

Section A of Exhibit 5.3.2

List of Infrastructure Items (UPI Towers Assets)

Primary identification key of the site	Latitude	Longitude	State	Municipality	Address	Type of Infrastructure Item (Tower/Roof Top)	Type of vertical structure	Height (m)	Installed wind exposure area (m2)
521570	-1.44234880	-48.45022040	PA	BELEM	TRAVESSA MAURITI, 4121	Tower	Self-supporting	60	Not informed
530684	-22.93127778	-43.37391667	RJ	RIO DE JANEIRO	Estrada do Guerenguê, 96	Tower	Pole	30	12.64
531174	-23.46780556	-46.70027778	SP	SAO PAULO	ESTRADA DO SABÃO, Nº 456 - FREGUESIA DO Ó	Tower	Self-supporting	40	3.54
531686	-23.87822000	-46.41487000	SP	CUBATAO	RUA JOSE GONÇALVES TORRES S.N - CUBATÃO/SP	Tower	Self-supporting	50	2.19
531712	-22.93633900	-43.18478200	RJ	RIO DE JANEIRO	Rua Álvaro Chaves, 41 – Laranjeiras	Roof Top	Mast	5	2.603
532119	-23.50250000	-46.66111111	SP	SAO PAULO	RUA PROFª VILMA VIEIRA, 21 - CASA VERDE	Tower	Self-supporting	40	2.7
532142	-23.60200000	-46.66100000	SP	SAO PAULO	Av. Moema, 81 - Planalto Paulista, São Paulo - SP	Roof Top	Mast	(2.2+2.2+2.2)	2.451
532672	-23.57110000	-46.47742000	SP	SAO PAULO	RUA MANOEL DA MATA SÁ 170	Tower	Self-supporting	60	2.702
532686	-23.48425000	-46.70388889	SP	SAO PAULO	RUA ISANGA, Nº 521 - FREGUESIA DO Ó	Tower	Self-supporting	40	3.67
532739	-23.67365556	-46.66201667	SP	SAO PAULO	Rua Pedro Rodrigues Beja, 111 – Vila Marari	Tower	Self-supporting	60.5	2.74
532850	-23.56755556	-46.54750000	SP	SAO PAULO	RUA ANTONIO REIS N 11B – CHÁCARA BELENZINHO	Tower	Self-supporting	40	4.914
532893	-23.48416667	-46.71277778	SP	SAO PAULO	Rua Dr João Toniolo 535 – Jardim São José	Tower	Self-supporting	40	3.647
533034	-23.68030000	-46.64960000	SP	SAO PAULO	RUA FERRUCIO SANDOLI 232 – SÃO PAULO	Tower	Self-supporting	40	3.64
533379	-23.62372800	-46.69873900	SP	SAO PAULO	Av. Roque Petroni Júnior, 1089 - Chácara Santo Antônio (Zona Sul), São Paulo - SP	Roof Top	Mast	10	2.068

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533392	-23.48441667	-46.47972222	SP	SAO PAULO	RUA FIORAVANTE LOPES GARCIA 850	Tower	Self-supporting	40	20.01
533543	-23.49410000	-46.58740000	SP	SAO PAULO	Rua Oscar de Medeiros, 164, Vila Medeiros	Tower	Self-supporting	40	12
533567	-23.75540000	-46.70100000	SP	SAO PAULO	Rua DR. Antônio Simões de Carvalho,105 - Jd. São Bernardo -São Paulo - SP	Tower	Self-supporting	40	9.58
576635	-6.47112559	-35.94374849	RN	JAPI	Rua Bela Vista, s/n - Japi	Tower	Self-supporting	30	15
579525	-3.73181500	-38.49388000	CE	FORTALEZA	Rua Vicente Leite, 630 - Meireles.	Roof Top	Mast	(3+3+1.5)	10.156
579606	-3.73948300	-38.48196000	CE	FORTALEZA	Edifício San Lucas - Rua Prof. Silo Ribeiro, 420 Papicu	Roof Top	Mast	2.2	2.20608
579717	-3.73214930	-38.51815840	CE	FORTALEZA	RUA PINTO MADEIRA,757	Roof Top	Mast	4	Not informed
579720	-3.72080600	-38.53126300	CE	FORTALEZA	Rua Senador Jaguaribe 501 – Moura Brasil	Roof Top	Mast	(4+2+3)	(3.3 + 3.3 + 3.3)
579784	-3.74214600	-38.51196700	CE	FORTALEZA	AVENIDA ANTONIO SALES, 1317,	Roof Top	Mast	4	Not informed
581502	-4.31039000	-39.00230000	CE	MULUNGU	Rodovia CE-065 (trecho Mulungú-Aratuba), s/n - Morro da CETEL	Tower	Self-supporting	40	14.71
646902	-19.33668000	-43.61795000	MG	SANTANA DO RIACHO	Rua do Engenho, s/n°	Tower	Self-supporting	36	16.67
647729	-19.88454000	-47.82707000	MG	UBERABA	Rod. BR-050, Km 195	Tower	Self-supporting	70	6.73
647841	-18.11226000	-44.25524000	MG	AUGUSTO DE LIMA	R. Geraldo Lopes Alvim, 314	Tower	Self-supporting	40	3.76
648707	-25.12752780	-50.15405560	PR	PONTA GROSSA	RUA THAUMATURGO DE AZEVEDO - 82.	Roof Top	Mast	6	2.47
648791	-26.47732600	-52.00303000	PR	PALMAS	RUA SEBASTIÃO CORREA MOURA, S/N	Tower	Self-supporting	40	11.98
649623	-25.42191670	-49.25950000	PR	CURITIBA	RUA UBALDINO DO AMARAL, 37, ESTÁDIO COUTO PEREIRA	Roof Top	Mast	(4.2+4.2+4.2)	5.93
652212	-25.39805560	-49.24441670	PR	CURITIBA	AVENIDA PARANÁ 1758	Roof Top	Mast	(3+3+3)	2.04
652264	-12.88552500	-38.68091700	BA	ITAPARICA	AV JUTAHY MAGALHAES, 600	Tower	Self-supporting	35	4.88

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654565	-12.97091600	-38.48948900	BA	SALVADOR	RUA BERNARDO SPECTOR, 94	Tower	Self-supporting	30	2.9
655624	-21.23776000	-43.79795000	MG	BARBACENA	Morro monte Mário - s/n°	Tower	Self-supporting	61.5	142.57
656072	-25.42630560	-49.27563890	PR	CURITIBA	RUA TREZE DE MAIO, 981	Roof Top	Mast	6	2.19
657145	-23.39575000	-51.91925000	PR	MARINGA	AV. DONA SOPHIA RASGULAEFF,466	Roof Top	Mast	6	3.21
658575	-14.76341700	-39.06363900	BA	ILHEUS	AVENIDA PROCLAMACAO, S/N	Tower	Self-supporting	40	8.52
658664	-25.43786110	-49.28202780	PR	CURITIBA	RUA COMENDADOR ARAUJO, 730, HOTEL IBIS	Roof Top	Mast	(4+4)	2.55
658896	-24.21138890	-50.92527780	PR	ORTIGUEIRA	RUA SÃO PAULO, 99	Tower	Self-supporting	46	13.87
659280	-24.03700000	-52.36900000	PR	CAMPO MOURAO	Rua Laurindo Borges, 1398 - Centro, Campo Mourão - PR	Roof Top	Mast	(4+4)	(0.810 + 0.426)
660130	-12.98838890	-38.48105560	BA	SALVADOR	AVENIDA DOM JOAO VI, 466	Tower	Self-supporting	23	8.61
660433	-25.53894000	-54.57558000	PR	FOZ DO IGUACU	Rua Rui Barbosa, 786	Roof Top	Mast	(4+4)	(0.73+ 1.47)
660434	-25.53797000	-54.58844000	PR	FOZ DO IGUACU	Rua Rui Barbosa, 475	Roof Top	Mast	(5+5)	(0.77 + 1.52)
660515	-25.38388890	-49.23202780	PR	CURITIBA	AVENIDA PARANA 3825	Roof Top	Mast	(6+4+4+4+4)	4.09
661251	-12.14975000	-44.99713889	BA	BARREIRAS	RUA ABILIO FARIAS, 455	Tower	Self-supporting	30	3.48
662356	-23.30991000	-51.16530000	PR	LONDRINA	Av. Higienópolis, 70 - Jardim Higienopolis	Roof Top	Mast	(6+6+6)	2.43 (0.810 + 0.810 + 0.810)
662571	-29.57009000	-53.43772000	RS	FAXINAL DO SOTURNO	RUA JULIO DE CASTILHOS, S/N	Tower	Self-supporting	36	18.93
662983	-25.43441940	-49.26106110	PR	CURITIBA	Rua Mariano Torres, 916	Roof Top	Mast	(4+4)	(0.8 + 1.47)
878570	-12.98062800	-38.51105900	BA	SALVADOR	RUA DA MOURARIA, 6	Roof Top	Mast	3.5	3.21
879478	-12.99955600	-38.51011100	BA	SALVADOR	RUA PROFESSOR ARISTIDES NOVIS, 12, FEDERAÇÃO	Roof Top	Mast	(7+7+7)	3.34
4624370	-26.17669440	-53.36136110	PR	SALGADO FILHO	Rua Ruy Barbosa, s/n°	Tower	Self-supporting	50	3.19
7140610	-9.62277500	-37.76774700	AL	PIRANHAS	AVENIDA SERGIPE, S/N	Tower	Self-supporting	60	2.4
7140676	-8.11908100	-34.89696900	PE	RECIFE	Boa Viagem Rua Padre Carapuceiro 240.Edf Waleska	Roof Top	Mast	(5+5+5)	Not informed

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7140711	-8.03494444	-43.89202500	PE	RECIFE	AV GOV. AGAMENON MAGALHÃES 2656-ESPINHEIRO	Roof Top	Mast	(4+4)	Not informed
7140780	-8.06522500	-34.87344400	PE	RECIFE	RUA CAIS DA ALFÂNDEGA, S/N – SHOPPING ALFÂNDEGA	Roof Top	Mast	3	Not informed
7141039	-20.53422000	-47.40859000	SP	FRANCA	Rua Voluntário Mario Mazine, 2043 – Higienópolis	Roof Top	Mast	(3.02+3.02+3.02)	(0.98 + 0.48 + 0.48)
7141041	-20.52900000	-47.39200000	SP	FRANCA	Av. Presidente Vargas 666 – Cidade Nova, Franca - SP	Roof Top	Mast	(5+5+5)	2.024 (1.504+0.260+0.260)
7141226	-23.63600000	-46.61400000	SP	SAO PAULO	Rua Girolamo Dai Libri, 433 - Vila Moraes	Roof Top	Mast	10	2.569
7141263	-23.53400000	-46.48400000	SP	SAO PAULO	Rua da Padroeira, 83 - Jardim Nordeste, São Paulo - SP	Roof Top	Mast	6	3.975
7141286	-23.54985500	-46.76041700	SP	OSASCO	Rua Rosa D'ângelo Pisapia, 156 – Vila Yara	Roof Top	Mast	6	2.849
7141345	-23.70103300	-46.55515100	SP	SAO BERNARDO DO CAMPO	Rua Ruy Barbosa, 260	Roof Top	Mast	(5+5+5)	(1.04 + 1.58 + 0.83)
7141350	-23.54937000	-46.58456000	SP	SAO PAULO	RUA JOAO BATISTA DE LACERDA, 261	Roof Top	Mast	(4+4+1)	Not informed
7141375	-23.71126000	-46.54868000	SP	SAO BERNARDO DO CAMPO	Rua Municipal, 193	Roof Top	Mast	(4+4+4)	(1.04 + 1.47 + 0.83)
7141378	-23.53100000	-46.66600000	SP	SAO PAULO	Av. Francisco Matarazzo, 229 - Água Branca, São Paulo - SP	Roof Top	Mast	(5+5+5)	2.17
7141379	-23.51700000	-46.67700000	SP	SAO PAULO	Rua Josef Kryss, 319 - Parque Industrial Tomas Edson	Roof Top	Mast	(6+6+6+3)	7.873 (0.655+0.909+4.524+1.786)
7141462	-23.72692700	-46.54471100	SP	SAO BERNARDO DO CAMPO	Rua Nelza Ascêncio, 128 – Ferrazópolis – São Bernado do Campo	Roof Top	Mast	(4+10)	(0.565 + 4.239)

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7141466	-23.61970500	-46.57440500	SP	SAO CAETANO DO SUL	Rua Archinto Ferrari, 118 – Santo Antônio – São Caetano do Sul	Roof Top	Mast	(4+4+3)	0.862
7141473	-23.56609000	-46.65031000	SP	SAO PAULO	AVENIDA PAULISTA, 810	Roof Top	Mast	(4+4+4)	Not informed
7141532	-23.63666000	-46.66083000	SP	SAO PAULO	Rua Ribeiroles, 274 – Vila Paulista	Roof Top	Mast	(4+4+4)	3.683
7141620	-22.43979100	-46.96702500	SP	MOGI MIRIM	Rua Coronel Venâncio Ferreira Alves Adorno, 89 – Saúde	Roof Top	Mast	(6+6+6+2)	7.158
7141726	-21.18731000	-47.80719000	SP	RIBEIRAO PRETO	Rua Bernardino de Campos, 1236	Roof Top	Mast	(3+5+5)	(0.47 + 3.06 + 1.91)
7141794	-22.75586000	-47.41877000	SP	SANTA BARBARA DOESTE	RUA TREZE DE MAIO, 749 - CENTRO	Roof Top	Mast	(4+4+4)	4.853 (0.939+0.826+1.392)
7141806	-23.19207000	-45.89044000	SP	SAO JOSE DOS CAMPOS	Rua Euclides Miragaia, 26 – Centro	Roof Top	Mast	1.5	1.49
7141834	-24.01300000	-46.41500000	SP	PRAIA GRANDE	AV. PRESIDENTE COSTA E SILVA, 13 – PRAIA GRANDE - SP	Roof Top	Mast	(6+6+6)	(2.375 + 1.024 + 1.731)
7141838	-23.17922800	-46.88916100	SP	SAO JOSE DOS CAMPOS	Avenida São José, 626 – Jardim Bela Vista	Roof Top	Mast	(4+4+4+4)	6.965
7141843	-23.95900000	-46.34600000	SP	SANTOS	Rua Saturnino de Brito, 256 – Marapé – Santos	Roof Top	Mast	(3+3+6)	3.579
7141905	-23.94900000	-46.33000000	SP	SANTOS	Av. Ana Costa, 121 - Vila Matias	Roof Top	Mast	(3+3+3+3)	3.272
7141911	-23.97600000	-46.31100000	SP	SANTOS	Rua Vergueiro Steidel, 304 - Aparecida	Roof Top	Mast	(3+3+3)	3.249
7141970	-22.84806000	-47.18647000	SP	SUMARE	Rua João Antônio Soares, 18 – Jd. Bom Retiro - Sumaré	Roof Top	Mast	8	3.78
7142017	-12.99488890	-38.47088890	BA	SALVADOR	RUA RUBENS GUELLI, 134	Roof Top	Mast	10	2.72
7142098	-12.93932000	-38.34137000	BA	SALVADOR	Alameda Praia de Guarapari, 349-A, Stella Maris	Tower	Self-supporting	30	11.76
7142202	-14.32689000	-39.46868000	BA	GONGOI	Rua da Igreja, S/N – Centro	Tower	Self-supporting	40	24
7142381	-11.48611110	-37.93138890	BA	RIO REAL	RUA CORONEL BENVENUTO, S/N	Tower	Self-supporting	70	14.16

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7142397	-23.58027800	-46.67972200	SP	SAO PAULO	Avenida Nove de Julho, 5624 – Jardim Paulista – São Paulo	Roof Top	Mast	10	2.694
7142403	-23.54583000	-46.56694000	SP	SAO PAULO	Rua Cantagalo, 738 – Vila Gomes Cardim - SP	Roof Top	Mast	(3+3+3)	2.909
7142448	-23.53269100	-46.67489000	SP	SAO PAULO	Rua Dr. Homem de Melo, 1186 - Perdizes	Roof Top	Mast	(3+3+3+4+4)	3.961
7142449	-23.53722000	-46.66833000	SP	SAO PAULO	Rua Dr. Homem de Melo, 352 – Perdizes – São Paulo	Roof Top	Mast	(4+4+4)	2.493
7142464	-23.63890000	-46.64620000	SP	SAO PAULO	Rua das Oiticias, 149 – Pq. Jabaquara - São Paulo - SP	Roof Top	Mast	(8+8)	2.409
7142465	-23.65294800	-46.65291300	SP	SAO PAULO	Rua Mianos, 104 – Vila Santa Catarina - SP	Roof Top	Mast	(3+3+3)	2.549
7142466	-23.63600000	-46.63800000	SP	SAO PAULO	Av. Leonardo da Vinci, 372 - Vila Guarani	Roof Top	Mast	(4+4+4)	4.847
7142473	-23.53666700	-46.64557900	SP	SAO PAULO	Alameda Barão de Limeira, 478 - Campos Elíseos, São Paulo - SP	Roof Top	Mast	(6+6+6+3)	4.483
7142476	-23.54105000	-46.63639800	SP	SAO PAULO	Avenida Cásper Libero, 58 – Centro Histórico de São Paulo	Roof Top	Mast	(4+4+4)	2.054
7142477	-23.55264000	-46.64505600	SP	SAO PAULO	Rua Conselheiro Ramalho, 104 – Bela Vista	Roof Top	Mast	(4+4+4+4)	2.637
7142514	-23.50200000	-46.45000000	SP	SAO PAULO	Rua Édipo Feliciano, 100 - Vila Jacuí, São Paulo – SP	Roof Top	Mast	(3+3+3+3)	27.396
7142554	-23.55867000	-46.63043000	SP	SAO PAULO	Rua do Glicério, 731 – Liberdade – São Paulo	Roof Top	Mast	(4+4+4)	2.52
7142555	-23.56344000	-46.63921500	SP	SAO PAULO	Rua Vergueiro, 168 – Liberdade – São Paulo	Roof Top	Mast	(4+4+4)	2.006
7142556	-23.57694000	-46.64028000	SP	SAO PAULO	Rua Vergueiro, 1661 – Vila Mariana	Roof Top	Mast	(3+3+3)	3.08 (1.29 + 0.65 +1.14)
7142570	-23.58472000	-46.61861000	SP	SAO PAULO	Rua Miriam, 310 – Jardim da Gloria	Roof Top	Mast	(4+4+4)	2.786 (0.778+1.230+0.778)

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7142574	-23.57880000	-46.64330000	SP	SAO PAULO	Rua Eça de Queiroz, 258 – Vila Mariana - SP	Roof Top	Mast	(3+3+3)	2.896
7142585	-23.53000000	-46.70444000	SP	SAO PAULO	Rua Tonelero, 239 – Vila Ipojuca – São Paulo - SP	Roof Top	Mast	(3+3+3+6+6+6)	2.55
7142587	-23.53000000	-46.69600000	SP	SAO PAULO	Rua Marcelina, 394 – Vila Romana - SP	Roof Top	Mast	(6+6+6)	2.213
7142593	-23.53400000	-46.65500000	SP	SAO PAULO	Rua Albuquerque Lins, 374 - Santa Cecilia, São Paulo - SP	Roof Top	Mast	(4+4+4+4)	4.503 (0.529+1.131+1.712+1.131)
7142598	-23.50528000	-46.73694000	SP	SAO PAULO	Av. General Charles de Gaulle, 208 – Pq. São Domingos	Roof Top	Mast	4	3.099 (1.94+0.936+1.069)
7142601	-23.59800000	-46.63400000	SP	SAO PAULO	R. Joel Jorge de Melo, 62 - Vila Mariana	Roof Top	Mast	(4+4+4)	3.589
7142631	-23.54796000	-46.63105500	SP	SAO PAULO	Rua 25 de março, 197 - Centro Historico de São Paulo	Roof Top	Mast	(6+6+3)	3.099
7142632	-23.55179000	-46.63543000	SP	SAO PAULO	Praça Doutor João Mendes, 62 – Liberdade	Roof Top	Mast	(6+6+6)	1.66 (0.48+0.59+0.59)
7142645	-23.57546500	-46.65639700	SP	SAO PAULO	RUA SALTO, 70 – MOEMA	Roof Top	Mast	(3+4+4+4)	2.89
7142647	-23.61100000	-46.66800000	SP	SAO PAULO	Av. dos Imarés, 88 - Indianópolis, São Paulo - SP	Roof Top	Mast	(10+10+6)	9.714
7142649	-23.60555000	-46.66805000	SP	SAO PAULO	Alameda Jauaperi, 1083 – Moema - SP	Roof Top	Mast	(3+3+3)	2.629
7142650	-23.59734000	-46.66923000	SP	SAO PAULO	Rua Professor Martins Santana, 100 – VI. Nova Conceição	Roof Top	Mast	(6+9)	2.125 (0.829 + 1.30)
7142669	-23.59690100	-46.67867400	SP	SAO PAULO	Rua Fiandeiras, 479 – Itaim Bibi	Roof Top	Mast	(6+6+6)	3.744
7142705	-23.61167400	-46.70492600	SP	SAO PAULO	Avenida Barão de Monte Mor, 75 – Vila Morumbi	Roof Top	Mast	(4+4+4+3)	3.081
7142710	-23.49560000	-46.62550000	SP	SAO PAULO	Rua Voluntários da Pátria, 2798 - Santana, São Paulo - SP	Roof Top	Mast	(3+3+3+6)	2.81
7142763	-23.63194000	-46.71083000	SP	SAO PAULO	Rua Professor Manoelito de Ornellas, 104 - Chácara Santo Antônio - SP	Roof Top	Mast	(4+4+4)	2.662

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7142781	-23.61500000	-46.63300000	SP	SAO PAULO	Rua Estero Belaco 160 - Vila da Saúde, São Paulo - SP	Roof Top	Mast	(4+4+4)	3.061
7142812	-23.61292200	-46.63840400	SP	SAO PAULO	Av. Jabaquara, 970 – Saúde – São Paulo	Roof Top	Mast	3	(2.72 + 1.66)
7144288	-16.02138889	-48.01944444	DF	BRASILIA	QUDRA 210, CONJ. 1, CASA 17 - SANTA MARIA	Roof Top	Mast	5	1.451
7144310	-23.47194000	-46.66667000	SP	SAO PAULO	Av. Parada Pinto, 207 – Vl. Nova Cachoeirinha – São Paulo	Roof Top	Mast	(4+4+4)	(2.12+0.69+0.67)
7144426	-23.54700000	-46.65800000	SP	SAO PAULO	Av. Angélica, 1683 - Santa Cecilia, São Paulo - SP	Roof Top	Mast	(6.75+5.4)	(1.423 + 0.655)
7144502	-23.60914000	-46.65231000	SP	SAO PAULO	Avenida Indianópolis, 1192 – (Clube Sírio Libanês) - Planalto Paulista, São Paulo	Roof Top	Mast	(3+3+3)	2.254
7144619	-2.84319167	-58.21368333	AM	SILVES	Rua Nova Três, 756	Tower	Self-supporting	56.27	9.58
7144692	-8.05613889	-34.87250000	PE	RECIFE	RUA BRUM 463/485 RECIFE ANTIGO	Roof Top	Mast	4	Not informed
7145243	-27.58991000	-48.51513000	SC	FLORIANOPOLIS	Av. Madre Benvenuta, 687	Roof Top	Mast	(2.5+2.5)	(0.86+0.9)
7145269	-27.59130000	-48.55270000	SC	FLORIANOPOLIS	R. Esteves Júnior, 366, Centro	Roof Top	Mast	(4+4+4)	(0.22 + 0.22 + 1.84)
7145281	-26.44631000	-53.59864000	SC	PRINCESA	Rua Santa Catarina, s/nº	Tower	Self-supporting	50	1.33
7145310	-26.94797000	-50.14000000	SC	RIO DO CAMPO	Rua Tiradentes, s/nº, Centro	Tower	Self-supporting	50	Not informed
7145411	-23.29978000	-51.22872500	PR	CAMBE	RUA JOSÉ CARLOS MUFFATO,S/N	Tower	Self-supporting	50	2.72
7145498	-27.59194400	-48.55444400	SC	FLORIANOPOLIS	Av. Rio Branco, 369	Roof Top	Mast	4	1.43
7145586	-26.91714500	-49.86102100	SC	WITMARSUM	Estrada Geral, s/nº	Tower	Pole	60	3.3
7145667	-27.61203411	-48.52412861	SC	FLORIANOPOLIS	R. do Calafate, 113 – BL2 - PANTANAL	Roof Top	Mast	5.2	1.45
7145669	-27.61175000	-48.59341670	SC	FLORIANOPOLIS	Rua Antenor Moraes, nº 42	Roof Top	Mast	(4+4+4)	(0.28+0.28+0.28)
7146168	-25.50586000	-54.39086000	PR	FOZ DO IGUAÇU	Rua Carlos Souttomayor, 393	Tower	Self-supporting	15	3.88
7146296	-25.45205560	-49.25350000	PR	CURITIBA	RUA JOQUEI CLUBE, 437	Roof Top	Mast	7.5	2.38
7146310	-25.40785700	-49.25541250	PR	CURITIBA	Rua Belém, 43	Roof Top	Mast	(3+3)	(0.67 + 1.57)
7146357	-25.42902780	-49.28147220	PR	CURITIBA	Rua Visc. do Rio Branco, 803	Roof Top	Mast	6	1.42

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7146423	-3.73354000	-38.49642000	CE	FORTALEZA	Avenida Washington Soares, nº 55	Roof Top	Mast	1.46	3.29
7146677	-8.10319400	-34.88736000	PE	RECIFE	RUA RAUL AZEDO, 53	Roof Top	Mast	(4+4+4)	Not informed
7147318	-10.09805000	-38.04745000	BA	PEDRO ALEXANDRE	Estrada Para Barreiras, S/N	Tower	Self-supporting	30	18.8
7147385	-12.73811000	-38.44071000	BA	CANDEIAS	Rua Alto da Boa Vista	Tower	Self-supporting	18.1	3
7148702	-22.12111000	-45.07030000	MG	SAO LOURENCO	Alameda das Orquídeas, 385	Tower	Pole	9.2	0.79
7148941	-18.87185000	-41.95713000	MG	GOVERNADOR VALADARES	Av. JK, 1157	Roof Top	Mast	(2.5+2+1.5+3+1.5+2.4)	(3.62 + 1.05 + 0.53 +1.81 +0.53 +1.81)
7148988	-29.97937600	-51.18998700	RS	PORTO ALEGRE	RUA PROF. JOÃO DE SOUSA RIBEIRO, 859	Roof Top	Mast	1.77	2.87
7149040	-12.43817000	-37.91875000	BA	MATA DE SAO JOAO	KM 76 - COMPLEXO COSTA DO SAUIPE	Roof Top	Mast	5	5.42
7150716	-23.02500000	-43.55600000	RJ	RIO DE JANEIRO	Estrada Roberto Burle Marx, 2667 - Barra Guaratiba	Roof Top	Mast	10	1.088
7150884	-22.70031200	-51.79243600	PR	SANTO INACIO	RUA APRÍGIO ALVES FILHO, 831	Tower	Self-supporting	41	1.26
7150924	-26.82441000	-53.27407000	SC	IRACEMINHA	Rua Volnei José, 427, Centro	Tower	Self-supporting	30	5.08
660232	-23.18322220	-50.65730560	PR	CORNELIO PROCOPIO	AV. NOSSA SENHORA DO ROCIO,966	Roof Top	Mast	(6+6+6)	1.77
648290	-21.76208000	-43.34952000	MG	JUIZ DE FORA	Av. Barão do Rio Branco - 2288	Roof Top	Mast	(5+1.60+3)	(2.6 + 0.67 + 0.74)
878929	-2.53055600	-44.29888900	MA	SAO LUIS	Rua Grande, nº490	Roof Top	Mast	(3+3+3)	(4.29 + 4.29 + 4.29)
578305	-3.73277780	-38.49861110	CE	FORTALEZA	AVENIDA LUIS, 300	Roof Top	Mast	4	Not informed
657208	-25.44355560	-49.27872220	PR	CURITIBA	AVENIDA SILVA JARDIM, 1856	Roof Top	Mast	(5.5+4.5)	1.49
646377	-22.40487000	-45.42258000	MG	ITAJUBA	Rd. Itajubá - Maria da Fé, Km 3	Roof Top	Mast	(4+1.80+1.53)	(2.09+0.95+0)
578327	-2.54055600	-44.28694400	MA	SAO LUIS	Av. Senador Vitorino Freire, nº 1958 – Bairro Areinha	Roof Top	Mast	(5+5+5+5+5+5)	4.9
510938	-9.67206100	-35.74583900	AL	MACEIO	AV ASSIS CHATEAUBRIAND, 2998	Roof Top	Mast	(3+3+3)	0.75
7142284	-16.45116670	-39.06702780	BA	PORTO SEGURO	RUA SÃO PEDRO, 180	Roof Top	Mast	16	3.21

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657751	-29.67330000	-51.19660000	RS	ESTANCIA VELHA	RUA PORTÃO, 4277, FAZENDA CABANHA DE NOSSA SENHORA DE FÁTIMA	Tower	Self-supporting	60	1.411
511084	-9.16216700	-37.35919200	AL	OURO BRANCO	RUA CORONEL LUCENA, S/N LUIZ G. DE CARVALHO	Tower	Self-supporting	40	5.15
878726	-19.92969000	-43.93725000	MG	BELO HORIZONTE	Av. João Pinheiro, 495	Roof Top	Mast	(5+2.50+2.50)	(0.71 + 0.52 +0.49)
658976	-29.54889000	-56.82975000	RS	URUGUAIANA	BR 472, KM 54605	Tower	Self-supporting	60	4.32
7146622	-3.72446200	-38.52874100	CE	FORTALEZA	Rua Senador Pompeu, 649	Roof Top	Mast	7.5	1.97
7145782	-25.43290700	-49.29979600	PR	CURITIBA	RUA PADRE ANCHIETA, 2128	Roof Top	Mast	(6+3+6+3)	4.53
7144305	-15.81900000	-47.87500000	DF	BRASILIA	SCES trecho 2 lote 32	Roof Top	Mast	(4+6+2.3)	4.291 (1.732+1.280+1.80)
7147166	-15.87916667	-48.10944444	DF	BRASILIA	QR 411CONJ. 4, CASA 14, SAMAMBÁIA	Roof Top	Guyed	17	1.45
7147245	-15.86166667	-48.08861111	DF	BRASILIA	QS604, CONJ. B (CANDIDADTO B)	Roof Top	Bracket	17	1.451
7146650	-30.10100000	-51.26780000	RS	PORTO ALEGRE	AV. GUAÍBA, 4127	Roof Top	Mast	6	2.887
532488	-23.44805556	-46.69666667	SP	SAO PAULO	RUA EDUARDO COSTA, Nº244 - VILA BRASILÂNDIA	Tower	Pole	40	12
532890	-23.42997000	-46.75923000	SP	SAO PAULO	RUA RIO JUNDIAI Nº 157 – PERUS.	Tower	Self-supporting	60	4.6
533333	-23.50641000	-46.67416000	SP	SAO PAULO	Av Prof Celestino Bourroul, 813 – Limão	Tower	Pole	40.6	2.86
7141354	-22.55527000	-46.66500000	SP	SAO PAULO	Rua Minas Gerais, 388 - Higienópolis	Roof Top	Mast	(3+3+3)	2.61
7141374	-23.66605900	-46.56917100	SP	SAO BERNARDO DO CAMPO	Rua Marechal Badoglio, 15 – Vila Mussoline	Roof Top	Mast	(4+4+4+4+4+4+4)	4.719
7142393	-23.51361000	-46.74555000	SP	SAO PAULO	Rua Conselheiro Amaral, 196 - Jaguará, São Paulo - SP	Roof Top	Mast	(3+3+3)	3.623
7142396	-23.58111000	-46.69250000	SP	SAO PAULO	Rua Hungria, 664 - Jardins, São Paulo - SP	Roof Top	Mast	(4+4+6)	3.364
7142401	-23.53055556	-46.55916667	SP	SAO PAULO	RUA GEN. GELÁS, 72 – TATUAPÉ, SÃO PAULO-SP – 03090-030	Roof Top	Mast	(4+4+4+4+4)	5.014

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7142498	-23.53779400	-46.63686800	SP	SÃO PAULO	Rua Washington Luis, 392 – Centro Histórico – São Paulo	Roof Top	Mast	(4+4+6)	2.277
7142597	-23.53388000	-46.64055000	SP	SÃO PAULO	Praça Júlio Prestes, 30 - Campos Eliseos, São Paulo - SP	Roof Top	Mast	(3+3+3)	3.474
7142672	-23.61400000	-46.66200000	SP	SÃO PAULO	Alameda dos Tupiniquins, 1235 - Planalto Paulista	Roof Top	Mast	(5+5+5)	1.896
7142778	-23.55416000	-46.69250000	SP	SÃO PAULO	Rua Fradique Coutinho, 1590 – Pinheiros – São Paulo - SP	Roof Top	Mast	(3+3+3)	2.5
7143807	-23.60160000	-46.66842000	SP	SÃO PAULO	Rua inhambu, 763	Roof Top	Mast	(3+3+3+3+3)	4.26
7144206	-23.57100000	-43.65300000	SP	SÃO PAULO	Av. Brigadeiro Luís Antônio, 2819 – Jardim Paulista	Roof Top	Mast	(6+3)	1.259
7144293	-23.57444000	-46.63273300	SP	SÃO PAULO	Rua Topázio, 420 – Vila Mariana	Roof Top	Mast	(4+4+4+3)	2.023
521163	-2.55638889	-47.44694444	PA	IPIXUNA DO PARA	Rua Sargento Simplicio, 371	Tower	Self-supporting	80.29	16.93
521528	-1.41111111	-48.44083333	PA	BELEM	Rua Santo Antônio	Tower	Pole	44.79	3.55
7144021	-1.40722222	-48.44527778	PA	BELEM	Av. Tavares Bastos, 632 - Marambaia	Tower	Pole	37.91	6.81
660251	-25.43248100	-49.36176100	PR	CURITIBA	Rod. Br 277 Cta - Orleans / Rod. do Café - Cidade Industrial De Curitiba	Roof Top	Mast	(3+3)	(1.64+1.91)
660280	-25.43077867	-49.25804193	PR	CURITIBA	Rua da Paz, 202	Roof Top	Mast	5	2.38
7146242	-25.43187490	-48.27251823	PR	CURITIBA	Alameda Dr. Muricy, 650	Roof Top	Mast	(3+3+3)	(0.69+0.82+0.69)
7146243	-25.49939318	-49.29525188	PR	CURITIBA	Rua Dr. Manoel Linhares de Lacerda, 84 - Capão Raso	Roof Top	Mast	(3+3+3)	(0.73+0.73+0.73)
533008	-22.54296000	-47.38998000	SP	LIMEIRA	Rua Dr. José Carvalho Ferreira, s/n	Tower	Self-supporting	40	2.09
533395	-23.54334722	-46.75434722	SP	SÃO PAULO	Rua Caetanópolis, 930 - Jaguaré	Roof Top	Mast	(3+3+3)	(0.84+0.67+0.67)
7141271	-23.55380000	-46.66050000	SP	SÃO PAULO	Rua da Consolação, 2143	Roof Top	Mast	(3+3+3)	(1.23+1.39+1.18)
7141274	-23.55300000	-46.65690000	SP	SÃO PAULO	Rua Bela Cintra, 450	Roof Top	Mast	(3+3+3)	(0.96+1.12+0.74)
7141357	-23.54330000	-46.65640000	SP	SÃO PAULO	Av. Angélica , N° 1189 – Consolação	Roof Top	Mast	(5+5+3)	(1.48+0.95+0.55)
7141520	-23.19080000	-46.88393000	SP	JUNDIAI	Rua do Rosário	Roof Top	Mast	(4+4+4+4+4+4+4)	(0.75+0.75+1.91+2.51+0.75+0.50+2.41)

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7141704	-21.20975800	-47.81779500	SP	RIBEIRAO PRETO	Rua Antônio Deloiagono, 285	Roof Top	Mast	(7+5.7)	(4.44+2.05)
7141816	-23.95420000	-46.33400000	SP	SANTOS	Rua Augusto Paulino, 57	Roof Top	Mast	(3+3+3+3)	(0.56+1.01+0.31+0.76)
533003	-23.55803000	-46.64891000	SP	SAO PAULO	RUA LOURENCO GRANATO, 214	Roof Top	Mast	(4+4+4+3)	Not informed
7141302	-23.56380000	-46.62271000	SP	SAO PAULO	AVENIDA LACERDA FRANCO, 130, CEP:1536-000	Roof Top	Mast	(4+4+4)	Not informed
7141323	-23.55969000	-46.57475000	SP	SAO PAULO	RUA TEOFILO DIAS, 332	Roof Top	Mast	(4+4+4)	Not informed
7141411	-23.54216667	-46.60605556	SP	SAO PAULO	RUA JOSE MONTEIRO, 323	Roof Top	Mast	(4+4)	Not informed
7142770	-23.53438000	-46.46393000	SP	SAO PAULO	AVENIDA CAMPANELLA, EDIFÍCIO: CAMPANELLA 1297 – ITAQUERA	Roof Top	Mast	4	Not informed
7148679	-22.30964000	-43.12962000	RJ	PETROPOLIS	Est. da União e Indústria, 22565	Tower	Pole	9.4	0.79
7141871	-23.96904000	-46.33260000	SP	SANTOS	Rua Ana Costa, 555	Roof Top	Mast	(3+3+3)	2.02
7141873	-23.95710000	-46.32503000	SP	SANTOS	Rua Barão de Paranapiacaba, 77	Roof Top	Mast	(6+6+6+6)	3.32
7141906	-23.96560000	-46.33925000	SP	SANTOS	Rua Euclides da Cunha, 151	Roof Top	Mast	(4+4+4)	2.24
7141908	-23.93542000	-46.33177000	SP	SANTOS	Praça dos Andradas, 91/93	Roof Top	Mast	(3+3)	3.16
7141936	-23.96493000	-46.31990000	SP	SANTOS	Rua Dr. Lobo Viana, 68	Roof Top	Mast	(3+3+3+3)	2.6
7141938	-23.96132000	-46.34091000	SP	SANTOS	Rua Visconde de Faria, 250	Roof Top	Mast	(3+3+3)	2.68
7142414	-23.56486500	-46.66196300	SP	SAO PAULO	Rua José Maria Lisboa, 1187	Roof Top	Mast	(6+6)	2.25
7142439	-23.56508800	-46.65509700	SP	SAO PAULO	Rua Pamplona, 825 - Jardim Paulista	Roof Top	Mast	(4+4)	1.36
7142443	-23.53528600	-46.68271800	SP	SAO PAULO	Rua Diana, 740 – Perdizes	Roof Top	Mast	(3+3+3)	1.93
7147858	-30.14923100	-51.14314000	RS	PORTO ALEGRE	ACESSO D SQ 3 1 UNIDADE VICINAL, 3146	Roof Top	Mast	4	Not informed
659831	-19.53450000	-40.62714000	ES	COLATINA	AVENIDA GETULIO VARGAS, 500	Roof Top	Mast	(6.7+6.7)	0.68
646650	-20.39247222	-43.49375000	MG	OURO PRETO	RUA DO CRUZEIRO, 248	Roof Top	Mast	10	3.492
647847	-21.75445300	-43.35104000	MG	JUIZ DE FORA	AVENIDA DO RIO BRANCO, 1441	Roof Top	Mast	(4+4)	2.24

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7142492	-23.64735700	-46.64167400	SP	SAO PAULO	Rua das Grumixamas, 110 – Jardim Oriental	Roof Top	Mast	(5+5+5)	(0.93 + 0.93 + 0.90)
7142533	-23.58632600	-46.79008180	SP	SAO PAULO	Rua Cândido Fontoura, 481	Roof Top	Mast	(4+4+4)	(0.25 + 0.41 + 0.25)
7142567	-23.53219400	-46.64689000	SP	SAO PAULO	Rua Guaianases, 1197	Roof Top	Mast	(3+3+3)	(1.23 + 1.23 + 0.82)
7142702	-23.58325400	-46.69946000	SP	SAO PAULO	Av. Lineu de Paula Machado, 1174 Jardim Everest	Roof Top	Mast	(6+6+6)	(1.64 + 1.39 + 0.68)
7142746	-23.57790500	-46.61212400	SP	SAO PAULO	Rua Vasconcelos Drumond, 196, Ipiranga	Roof Top	Mast	(4+4+4)	(0.96 + 0.75 + 0.75)
7142748	-23.58276200	-46.60704800	SP	SAO PAULO	Rua Costa Aguiar, 994 - Ipiranga	Roof Top	Mast	8	2.7
7142785	-23.62198056	-46.64914722	SP	SAO PAULO	Av. Indianópolis, 2185	Roof Top	Mast	(6+6+6)	(0.83 + 0.83 + 1.33)
7144449	-21.21879000	-50.43917000	SP	ARACATUBA	Rua Wenceslau Braz 120 - Ed Copacabana – Vila Santa Maria	Roof Top	Mast	(3.20+4.23+3.20)	(1.06 + 1.06 + 0.85)
7144581	-23.96765000	-46.33975000	SP	SANTOS	Avenida Presidente Wilson, 66 – José Menino	Roof Top	Mast	(4+4+4)	(0.76 + 0.76 + 1.32)
7144583	-23.54832858	-46.31464501	SP	SUZANO	Rua Benjamin Constant, 1653	Roof Top	Mast	(4+4+4+6+6)	(2.76 + 1.91 + 2.64 + 0.91 + 2.01)
7144620	-23.60986500	-46.66051300	SP	SAO PAULO	Alameda dos Anapurus, 1297 - Moema	Roof Top	Mast	(4+4+4)	(0.57 + 0.69 + 1.02)
7144683	-23.56194444	-46.66641100	SP	SAO PAULO	Alameda Tietê, 301 – Jardim Paulista	Roof Top	Mast	(4+4+4)	(0.67 + 0.67 + 0.84)
581225	-6.59702800	-42.28416700	PI	TANQUE DO PIAUI	AV. Principal, s/n	Tower	Self-supporting	40	2.36
652968	-14.30805600	-39.32688900	BA	UBAITABA	RUA DO CACAU S/N	Tower	Self-supporting	50	Not informed
7142133	-13.52977778	-39.97066667	BA	JAGUAQUARA	RUA 15 DE NOVEMBRO, S/N	Tower	Self-supporting	50	Not informed

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7142180	-14.94391667	-41.71886111	BA	PIRIPA	PRAÇA JOAQUIM JOSE RIBEIRO, S/N	Tower	Self-supporting	100	Not informed
7142282	-16.43944444	-39.06722222	BA	PORTO SEGURO	Rua Projetada, Sn (Cidade Historica)	Tower	Self-supporting	30	Not informed
7142302	-10.94308300	-40.40797200	BA	SAUDE	NOT FOUND	Tower	Self-supporting	40	2.08
7147029	-29.35931000	-50.82506000	RS	CANELA	RUA JOSÉ PEDRO PIVA, 220, CENTRO	Roof Top	Mast	(6+6+4)	2.09
878865	-2.51222220	-44.30361100	MA	SAO LUIS	AVENIDA CASTELO BRANCO, 500	Roof Top	Mast	(1+2+3)	Not informed
7143828	-1.20317000	-48.28411000	PA	BELEM	RODOVIA ARTHUR BERNARDES, 9001 – KM 10	Tower	Self-supporting	40	Not informed
7144019	-1.27958500	-48.29108000	PA	BELEM	AVENIDA FERNANDO GUILHON, 1320	Tower	Self-supporting	40	Not informed
7144034	-1.25440000	-48.28391000	PA	BELEM	TRAV. LOMAS VALENTINAS, 40	Tower	Self-supporting	40	Not informed
7144036	-1.44138890	-48.46430560	PA	BELEM	TRAVESSA CHACO, 2029	Tower	Self-supporting	40	Not informed
7147345	-1.22682100	-48.29312000	PA	SANTA BARBARA DO PARA	RODOVIA AUGUSTO MEIRA FILHO, S/N - CENTRO	Tower	Self-supporting	60	Not informed
578993	-7.09780000	-34.84646900	PB	CABEDELO	AVENIDA FLAVIO RIBEIRO COUTINHO, N°143, MANAIRA	Roof Top	Mast	4	Not informed
579409	-7.12399700	-34.82500000	PB	JOAO PESSOA	RUA JOSE RAMALHO LEITE, 1233	Roof Top	Mast	5	Not informed
579912	-7.10013000	-34.83983000	PB	JOAO PESSOA	AVENIDA SAPE, 1800	Roof Top	Mast	12	Not informed
7143884	-7.12023100	-34.87445000	PB	JOAO PESSOA	AVENIDA BARROSO, 433	Roof Top	Mast	4	Not informed
579505	-8.10813600	-34.89177500	PE	RECIFE	RUA JOSE ADERVAL CHAVES, 264	Roof Top	Mast	(4+4+4)	Not informed
7140674	-8.12444440	-34.89722200	PE	RECIFE	Boa Viagem Avenida Boa Viagem, 4000 Edf Vânia.	Roof Top	Mast	(6+6+6)	Not informed
7140678	-8.12794700	-34.90696900	PE	RECIFE	RUA ANISIO RODRIGUES COELHO, 423	Roof Top	Mast	(4+4+4)	Not informed
7140684	-8.06088600	-34.88308100	PE	RECIFE	RUA SETE DE SETEMBRO, 238	Roof Top	Mast	(2+2+2)	Not informed
7140715	-8.05138300	-34.90230600	PE	RECIFE	AV GOV. AGAMENON MAGALHÃES 2656-ESPINHEIRO	Roof Top	Mast	(2+2+3+2.5)	Not informed

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7140822	-8.06590000	-34.88180000	PE	RECIFE	RUA MARQUES DE HERVAL,150 – SANTO ANTONIO – RECIFE – PE	Roof Top	Mast	(5+5+5)	Not informed
7146731	-6.79301400	-42.24330000	PI	Cajazeiras	Rua Projetada S/N	Tower	Self-supporting	85	8.74
7146757	-7.01265200	-41.38302000	PI	Sussuapara	Rua Joaquim Pereira Leal 1048 / Centro	Tower	Self-supporting	40	2.25
532756	-22.87481500	-43.46638900	RJ	RIO DE JANEIRO	RUA CORONEL TAMARINO,1986	Tower	Pole	42	5.17
530725	-22.90638889	-43.31388889	RJ	RIO DE JANEIRO	Travessa Soares Pereira, 22	Tower	Self-supporting	30	5.34
530865	-22.92347630	-43.36818380	RJ	RIO DE JANEIRO	Rua Marquês De Jacarepaguá, Lote 4	Tower	Pole	30	3.54
7147333	-26.54227500	-49.18227800	SC	JARAGUA DO SUL	Rua Gerhardt, s/n – Rio da Luz	Tower	Self-supporting	30	2.6
532784	-23.44926000	-46.72859000	SP	SAO PAULO	Rua Sebastiao Laranjeiras 252	Tower	Self-supporting	50	2.32
7142557	-23.54242000	-46.39481000	SP	SAO PAULO	RUA GIBOUCUS 62	Tower	Self-supporting	50	Not informed
7141273	-23.54972000	-46.65992000	SP	SAO PAULO	Avenida Angélica, 2000 – Consolação – São Paulo	Roof Top	Mast	(4+4+4+3)	2.8
7142780	-23.56677700	-46.68176900	SP	SAO PAULO	Rua Joaquim Antunes, 149 - Pinheiros – São Paulo	Roof Top	Mast	(4+4)	Not informed
7142569	-23.58381000	-46.64182000	SP	SAO PAULO	Rua Conselheiro Rodrigues Alves, 391 – Vila Mariana	Roof Top	Mast	(4+3+3)	Not informed
7142581	-23.49081000	-46.68186000	SP	SAO PAULO	Rua Antônio Ribeiro de Moraes, 264 - Vila Carbone, São Paulo - SP	Roof Top	Mast	(4+4+4)	(0.778 + 1.155 + 0.778)
881812	-12.54906000	-37.98879000	BA	MATA DE SAO JOAO	Rodovia BA099	Roof Top	Mast	(5+5+5)	(0.79+0.47+0.79)
7142377	-15.35298000	-38.98698000	BA	Ilha de Comandatuba	Rua de Comandatuba, s/n	Roof Top	Mast	(3.5+3.5+3.5+3.5)	3.39
7143934	-1.38777000	-48.38159000	PA	ANANINDEUA	Rua Coletora Leste, s/n	Tower	Self-supporting	50	6.23
7144002	-1.39937000	-48.47451000	PA	BELEM	RUA CUMBICA, N°03 (ESQ. AV. JULIO CEZAR)	Tower	Self-supporting	30	6
7147656	-2.97805600	-47.36361100	PA	PARAGOMINAS	Avenida Júlia Kubitschek, s/n Quadra 19 Lote 06	Tower	Self-supporting	60	2.67
580927	-8.39700300	-35.06330600	PE	IPOJUCA	Rua Frei Vicente Salvador, 203	Tower	Self-supporting	30	9.47

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581009	-8.07512162	-37.26667433	PE	SERTANIA	Rua 13 de maio, S/N	Tower	Self-supporting	50	28.74
7140626	-7.14449400	-34.81300000	PB	JOAO PESSOA	Rua Mirtes Bichara Sobreira, 66	Roof Top	Mast	4	1.31
7140737	-8.17641700	-34.91716700	PE	JABOATAO DOS GUARARAPES	Avenida Bernardo Vieira de Melo, 2600	Roof Top	Mast	(8+8+8+8+8)	(1.07+1.07+1.07+1.13+1.13+1.13)
7140799	-8.03319400	-34.92080600	PE	RECIFE	Estrada das Ubaías 634	Roof Top	Mast	(11+11+11)	(0.88+0.88+0.88)
7147089	-8.04175000	-34.89280000	PE	RECIFE	RUA QUARENTA E OITO Nº434 - EDF. NICOLAU II	Roof Top	Mast	7	2.9
7147090	-8.06836110	-34.89272200	PE	RECIFE	RUA CAP. JOSÉ DA LUZ,25	Roof Top	Mast	5	1.45
879926	-7.97616900	-34.83458100	PE	OLINDA	Avenida José Augusto Moreira 2258 - Edf Cidade de Olinda	Roof Top	Mast	(2+2+2)	(0.88+1.2+1.2)
576778	-5.79000300	-35.20213900	RN	NATAL	AVENIDA PRUDENTE DE MORAES, 757	Roof Top	Bracket	17	Not informed
7140797	-8.03602800	-34.91377800	PE	RECIFE	Avenida 17 de Agosto 500	Roof Top	Mast	(12+12+12)	(0.9+0.9+0.9)
7141356	-23.54650000	-46.64810000	SP	SAO PAULO	Rua Amaral Gurgel, 518 – Consolação	Roof Top	Mast	(5+5+5)	(0.76+0.97+0.76)
7142470	-23.54646667	-46.63949444	SP	SAO PAULO	Rua Coronel Xavier de Toledo, 70 - República	Roof Top	Mast	(6+6+6)	(1.25+0.62+0.62)
7142471	-23.53869722	-46.63580833	SP	SAO PAULO	Av. Prestes Maia, 702	Roof Top	Mast	(4+4+4+4)	(0.88+0.16+0.68+0.88)
7142696	-23.58232100	-46.67580700	SP	SAO PAULO	Rua Jesuíno Arruda, 327 - Itaim Bibi	Roof Top	Mast	(3+4+4)	2.83
7142750	-23.59570000	-46.60534000	SP	SAO PAULO	Rua Costa Aguiar, 2446 - Ipiranga	Roof Top	Mast	(4+4+4)	(0.70+0.49+0.95)
7144623	-23.53753700	-46.67603500	SP	SAO PAULO	Rua Campevas, nº 313/325 - Perdizes	Roof Top	Mast	(5+5+5)	(1.51+0.72+0.93)
7141055	-23.99758000	-46.26031000	SP	GUARUJA	Rua Mário Ribeiro, 886	Roof Top	Mast	(3+3+3)	(0.98 + 0.76+0.76)
7141064	-24.00209167	-46.26845833	SP	GUARUJA	Rua José Avelino de Oliveira, 260	Roof Top	Mast	(4+4+4)	(1.18+1.02+1.02)
7141658	-21.17180000	-47.79546000	SP	RIBEIRAO PRETO	Rua Dom Luiz do Amaral Mousinho, 529 – Campos Elisios	Roof Top	Mast	(6+6+6)	(1.78+0.69+2.37)
7141856	-24.03057000	-46.47799000	SP	PRAIA GRANDE	Rua Afonso Chaves, 43	Roof Top	Mast	(3+3+3+3)	Not informed
7142458	-23.55875278	-46.65911111	SP	SAO PAULO	Av. Paulista, 2006 – Bela Vista	Roof Top	Mast	(3+3)	(0.68+1.52)

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7142463	-23.56957000	-46.67254000	SP	SAO PAULO	Avenida Brasil, S/N - Jardim América (Praça Nossa Senhora do Brasil)	Roof Top	Mast	(3+3+3)	2.43
7142769	-23.59460000	-46.58720000	SP	SAO PAULO	Rua Vemag 1, Vila Independência	Roof Top	Mast	(3+3+3)	(0.94 + 0.63+0.91)
7144475	-23.56922000	-46.65798000	SP	SAO PAULO	Rua Batatais, 558	Roof Top	Mast	(4+4+4)	(0.68 + 0.89 + 1.23)
7141723	-22.72492000	-47.64866000	SP	PIRACICABA	Rua Praça da Catedral Dom Ernesto de Paula, 170 - Centro	Roof Top	Mast	(3+3+3+3)	(0.21+1.99+0.43+ 1.30)
533391	-23.62315000	-46.75023000	SP	SAO PAULO	Rua Caverá, 55 – Jardim Umarizal	Tower	Pole	40	4.96
532140	-23.43940000	-46.79010000	SP	SAO PAULO	AV. Felippo Sturba, S/N - Anhaguera	Tower	Self-supporting	50	10.95
7140974	-22.90313000	-47.05807000	SP	CAMPINAS	Rua General Osório, 1233 – Centro	Roof Top	Mast	(3+3+5+5+5)	3.3
7141035	-22.90455000	-47.05212000	SP	CAMPINAS	Rua Júlio de Mesquita, 36	Roof Top	Mast	(3.3+3.3+3.3)	(2.85+1.66+0.53)
7141038	-22.94000000	-47.06226000	SP	CAMPINAS	Rua Vargem Grande do Sul, 506 - Esquina com Avenida Baden Powell	Roof Top	Mast	(8+8+8)	(1.27+0.86+0.86)
7141421	-23.00600000	-46.84016000	SP	ITATIBA	Rua Quintino Bocaiúva, 343	Roof Top	Mast	(6+6+4+3)	Not informed
7141986	-23.50116389	-47.45195278	SP	SOROCABA	Rua Capitão Nascimento Filho, 171	Roof Top	Mast	(4+4+4+4)	(0.76+0.90+0.76+ 0.76)
7142644	-23.54983267	-46.60342180	SP	SAO PAULO	Rua João Caetano, 379	Tower	Pole	30	11.32
644859	-26.98771144	-48.63645491	SC	BALNEARIO CAMBORIU	Av. Alvin Bauer, 379	Roof Top	Mast	(1.5+1.5+1.5)	(0.47+0.47+0.47)
660242	-25.59061389	-49.27764722	PR	CURITIBA	Rua Prof. Lycio G. de C.Vellozo, 191	Roof Top	Mast	(2+2+2)	(0.75+0.75+0.75)
651280	-25.43030560	-49.27025000	PR	CURITIBA	Rua XV de Novembro, 360	Roof Top	Mast	4	2.26
879549	-29.16858000	-51.18822000	RS	CAXIAS DO SUL	Rua Sinimbu, 2682	Roof Top	Mast	(3.70+3.70)	(1.48 + 0.74)
650165	-23.31271389	-51.17590000	PR	LONDRINA	Rua Sem. Souza Naves, 45	Roof Top	Mast	4	1.82
649224	-25.42638890	-49.25611110	PR	CURITIBA	Rua Sete de Abril, 571	Roof Top	Mast	5	2.38
658738	-25.41972220	-49.26638890	PR	CURITIBA	Av. João Gualberto, 623	Roof Top	Mast	(3+3+3+3)	3.07
659790	-25.44751944	-49.29173333	PR	CURITIBA	Largo Alfredo Parodi, 1441	Roof Top	Mast	(2+2+2)	2.6

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660390	-25.43406700	-49.28234100	PR	CURITIBA	Alameda Dr. Carlos de Carvalho, 771 - Centro	Roof Top	Mast	3	2.32
7144833	-29.16837700	-51.20340600	RS	CAXIAS DO SUL	Av. Júlio de Castilhos, 4054	Roof Top	Mast	6	1.67
7147523	-25.07564622	-50.17636300	PR	PONTA GROSSA	Rua Varnhagem, 366	Roof Top	Mast	(6+6+6)	2.25
879216	-25.42916670	-49.26333320	PR	CURITIBA	Rua Marechal Deodoro, 950	Roof Top	Mast	(3+3)	5
879542	-29.15456400	-51.17162200	RS	CAXIAS DO SUL	Rua Gen. Arcy da Rocha Nobrega, 504- Jardim América	Roof Top	Mast	6	1.67
532116	-23.50513000	-46.50943000	SP	SAO PAULO	R. Maria Angélica Franci, - Vila Franci	Tower	Self-supporting	40.35	9.58
533252	-23.49238000	-46.39260000	SP	SAO PAULO	R. Manuel Martins de Melo, S/N- Vila Itaim	Tower	Self-supporting	50	2.29
533269	-23.50641000	-46.38500000	SP	SAO PAULO	Avenida Tomé Dias Laço, S/N – Itaim Paulista	Tower	Self-supporting	60	5.85
650163	-23.31101024	-51.17869713	PR	LONDRINA	R. Astorga, 80- Hedy	Roof Top	Mast	(3+3)	2.14
660363	-23.37350000	-50.84300000	PR	ASSAI	Rua Manoel Ribas, 950	Tower	Self-supporting	30	8.59
531042	-23.48289000	-46.41926000	SP	SAO PAULO	Rua Tetiximira, 146 – Jardim Helena	Tower	Self-supporting	46	1.93
533328	-23.47245000	-46.39440000	SP	GUARULHOS	Rua Candelária, S/N - Jardim Jacy	Tower	Self-supporting	40	3.69
7144621	-23.60001000	-46.71906000	SP	SAO PAULO	Rua Jules Rimet, estádio Cícero P. de Toledo, portão 04, Morumbi	Roof Top	Mast	32	Not informed
880077	-30.11805400	-51.25376100	RS	PORTO ALEGRE	Av. Wenceslau Escobar, 3407	Roof Top	Mast	6	Not informed
7146853	-30.06538900	-51.18622200	RS	PORTO ALEGRE	Rua Coronel Aparício Borges, S/N - Glória	Roof Top	Mast	(6+6)	5
532881	-22.96206000	-43.17478400	RJ	RIO DE JANEIRO	Av. Princesa Isabel, nº 320	Roof Top	Mast	(5+2+3)	(2.70 + 0.04 + 0.58)
532560	-22.89946500	-43.20030500	RJ	RIO DE JANEIRO	Rua Cardoso Marinho, 18	Roof Top	Mast	6	3.13
531670	-22.84111900	-43.31200000	RJ	RIO DE JANEIRO	Rua Engº Lafaiete Stockler 961, Vila da Penha	Roof Top	Mast	(6+6)	5.13+3.17
656155	-18.41894400	-49.21622200	GO	ITUMBIARA	Setor Central - Praça da República. CEP. 75503-900	Tower	Self-supporting	9	0.91

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648465	-19.85048000	-43.96363000	MG	BELO HORIZONTE	Avenida Antônio Carlos, 8100 - Pampulha Mall	Roof Top	Mast	6	1.847664
648473	-19.96818100	-43.93449000	MG	BELO HORIZONTE	Rua Afonso Costa Reis, 65	Roof Top	Mast	(6+4)	2.69
647482	-19.92392400	-43.93850100	MG	BELO HORIZONTE	Rua Espirito Santo - 1059	Roof Top	Mast	6	3.18 + 1.66
648284	-19.91892000	-43.93906000	MG	BELO HORIZONTE	RUA CARIJOS, 424 - SALA 08 (PRAÇA SETE DE SETEMBRO)	Roof Top	Mast	(2.5+2.5+2.5+2.5+2.5+2.5)	(1.67 + 2.58)
7148868	-20.14190000	-44.88930000	MG	DIVINOPOLIS	Rua Rio de Janeiro, 434	Roof Top	Mast	(6+6)	2.915514
7150749	-22.89890600	-43.18077800	RJ	RIO DE JANEIRO	RUA BENEDITINOS, 23	Roof Top	Mast	6	0.91
531226	-22.75758370	-43.44653630	RJ	NOVA IGUACU	AVENIDA NILO PEÇANHA,450	Roof Top	Mast	4	2.51
531259	-22.93076600	-43.20861900	RJ	RIO DE JANEIRO	AVENIDA PAULO DE FRONTIN, 739	Roof Top	Mast	6	3.13
531612	-22.99749700	-43.35857400	RJ	RIO DE JANEIRO	AVENIDA DAS AMERICAS, 4666, CEP:22631903	Roof Top	Mast	9	3.73
532663	-22.96880200	-43.23463300	RJ	RIO DE JANEIRO	Rua Pacheco Leão, 1235 - Fundos - Jardim Botânico, Rio de Janeiro - RJ, 22460-905	Roof Top	Mast	10	2.23
7147639	-16.65988890	-49.25958330	GO	GOIANIA	ARAGUAIA SHOPPING - RUA 44	Roof Top	Mast	13.5	3.14
532340	-22.98764300	-43.35821300	RJ	RIO DE JANEIRO	RUA BAHUINEAS DA PENISULA, 200	Roof Top	Mast	(7+7)	(1.03 + 1.86)
533025	-22.81630800	-41.98051600	RJ	CABO FRIO	ESTRADA DE CABO FRIO E BUZIOS, S/N	Tower	Self-supporting	60	5.32
7146525	-23.00122600	-43.38578000	RJ	RIO DE JANEIRO	AVENIDA DAS AMERICAS, 7777	Roof Top	Self-supporting	21	0.78
7149019	-22.95057900	-44.07335900	RJ	MANGARATIBA	RODOVIA RIO SANTOS, 0	Roof Top	Mast	12	1.01
7144398	-16.94419400	-47.31530600	GO	CRISTALINA	Rodovia Br 040, Brasília-Belo Horizonte, Km: 35 - N S/N	Tower	Self-supporting	60	1.61
530898	-22.59518900	-43.18761700	RJ	MAGE	RUA RAFAEL COZOLINO, QUADRA L, LOTE 3.	Tower	Self-supporting	40	3.93
531614	-22.99681000	-43.34620000	RJ	RIO DE JANEIRO	Av. Das Américas, 3434 - Bloco 5. Condomínio Mário Henrique Simonsen	Roof Top	Mast	5	2.45
531770	-22.90602000	-43.17701400	RJ	RIO DE JANEIRO	Rua Sao Jose, 90	Roof Top	Mast	(6+6+6)	1.63

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662599	-16.69855300	-49.25913600	GO	GOIANIA	AV. 136. QUADRA 239. LOTE 9/10.	Roof Top	Mast	10	4.786494
663318	-16.73669400	-49.26022200	GO	APARECIDA DE GOIANIA	RUA CAPIBARIBE Q 22, 0	Roof Top	Pole	6	4.83
7144949	-16.67569990	-49.26606990	GO	GOIANIA	RUA 04 ESQ. C RUA 02-A, QD.5A, LT.01, Nº1.502. SETOR CENTRAL	Roof Top	Mast	4	1.57
531356	-22.86132000	-43.28048600	RJ	RIO DE JANEIRO	PROXIMO AO MERCADINHO FRANKFULL	Roof Top	Mast	2	Not informed
7143247	-22.99889700	-43.34343000	RJ	RIO DE JANEIRO	Av. das Américas, 3120	Roof Top	Mast	6	0.65
7143674	-22.82524800	-43.32531700	RJ	RIO DE JANEIRO	Rua Hannibal Porto, 450	Roof Top	Mast	6	11.721
879574	-22.90871800	-43.18491400	RJ	RIO DE JANEIRO	AVENIDA GOMES FREIRE, 196	Roof Top	Mast	6	Not informed
530789	-22.78474400	-43.30740300	RJ	DUQUE DE CAXIAS	RUA PORTO ALEGRE, 515	Roof Top	Mast	(5+5)	(1.56+2.80)
531862	-22.98728100	-43.36680200	RJ	RIO DE JANEIRO	Rua L, 4 - Barra da Tijuca, Rio de Janeiro - RJ (ATRAS DA CHURRASCARIA RIO BRASA)	Tower	Pole	30	Not informed
532459	-22.89380000	-42.46850000	RJ	SAQUAREMA	Rua Segisfredo Bravo, 9	Tower	Pole	40	3.07
532704	-22.91491100	-42.93260000	RJ	ITABORAI	RUA GILMAR DOS SANTOS DUARTE , S/N - QU14 LT12	Tower	Pole	30	7
647499	-19.94494000	-43.94331000	MG	BELO HORIZONTE	Rua Carangola, 670 com Rua Cristina	Roof Top	Mast	20	Not informed
647790	-19.97147800	-43.96822800	MG	BELO HORIZONTE	Rua Stella Hanriot, 515 (Edifício Key Biscayne)	Roof Top	Mast	4.5	0.765348
648287	-19.90223300	-43.90667700	MG	BELO HORIZONTE	RUA BEGONIA, 72	Tower	Pole	30	3.7657008
7142957	-19.92711000	-43.92620000	MG	BELO HORIZONTE	Av. Brasil , 709	Roof Top	Mast	6	2.8880208
521576	-5.20520000	-49.61300000	PA	Marabá	FOLHA 32, QD. 13, LOTE 8, S/N – NOVA MARABÁ	Tower	Self-supporting	60	Not informed
7150248	-1.20098000	-48.24044000	PA	Ananindeua	PASSAGEM LOBÃO DA SILVEIRA, 43 – JD. SAMAMBAIA – ICUÍ-GUAJARÁ	Tower	Self-supporting	60	14.09315

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7141440	-23.54322000	-46.61921000	SP	SAO PAULO	RUA DO GASOMETRO, 741, CEP: 3004 - 000	Roof Top	Mast	(4+4+4)	Not informed
7141443	-23.57189000	-46.70561000	SP	SAO PAULO	RUA ARMANDO FAIRBANKS, 310	Roof Top	Mast	(4+4+4)	Not informed
521825	-5.34899000	-49.13479000	PA	Marabá	RUA CINCO DE ABRIL, 3410	Tower	Self-supporting	40	8.5158
662011	-20.33424900	-40.29406000	ES	VILA VELHA	RUA ALISON SIMOES, 306	Tower	Self-supporting	3	Not informed
648835	-21.76003000	-43.34818000	MG	JUIZ DE FORA	RUA MARECHAL DEODORO, 444	Roof Top	Mast	(3+4)	Not informed
647608	-19.74954000	-47.93671000	MG	UBERABA	Praça Rui Barbosa, 300 , (ELVIRA SHOPPING)	Roof Top	Mast	(6+6+6)	(1.45 + 2.023 + 1.183)
651384	-17.01712000	-46.09017000	MG	BRASILANDIA DE MINAS	FAZENDA GLEBA DA BARRA, S/N	Tower	Self-supporting	35	Not informed
647757	-21.76653700	-43.34774400	MG	JUIZ DE FORA	AVENIDA BARÃO DO RIO BRANCO	Roof Top	Mast	(2+6)	4.164
578449	-7.19943100	-34.90540000	PB	JOAO PESSOA	RODOVIA BR 101 – KM 3,5 – ROD. GOV. MARIO COVAS – DIST. INDUSTRIAL	Tower	Self-supporting	70	Not informed
659049	-17.18722200	-41.69638900	MG	CARAI	RUA JOSE VICENTE COIMBRA, 260	Tower	Pole	42	Not informed
656975	-16.05683300	-47.98308300	GO	VALPARAISO DE GOIAS	QUADRA 5, 0, CEP:72871005	Roof Top	Mast	6	3.17
658852	-19.07736000	-46.20436000	MG	RIO PARANAIBA	RODOVIA BR 354, 0	Tower	Self-supporting	50	2.59
7149948	-22.98202800	-43.22408300	RJ	RIO DE JANEIRO	Rua Dias Ferreira, Nº 658	Roof Top	Mast	3	3.13
658278	-15.76248000	-47.93435000	DF	BRASILIA	Saan Quadra 3 Lote 870 - N S/N	Roof Top	Guyed	10	Not informed
7146590	-15.79053300	-47.87570600	DF	BRASILIA	SET SAUN QD 3 BL A , 0 SET AUTARQUIAS NORTE. PLANO PILOTO	Roof Top	Mast	4	3.81
647506	-19.88944440	-43.96805560	MG	Belo Horizonte	Rodovia Br-356 , 3049 - Bh Shopping	Roof Top	Mast	3	3.57
661823	-19.89663000	-43.93488000	MG	Belo Horizonte	Rua Jacuí, 1882	Roof Top	Mast	6	3.57

Primary identification key of the site	Latitude	Longitude	State	Municipality	Address	Type of Infrastructure Item (Tower/Roof Top)	Type of vertical structure	Height (m)	Installed wind exposure area (m2)
530741	-22.75329000	-43.40338600	RJ	Belford Roxo	AVENIDA RETIRO DA IMPRENSA, 595	Roof Top	Mast	(6+6+6+6+6+6+6+6+6+6+6+6)	8.58
659486	-20.21091667	-43.72011111	MG	Tabirito	ESTRADA PRINCIPAL, S/N	Tower	Self-supporting	40	0.85
532987	-22.94684000	-43.05836000	RJ	Niterói	Rua Átila Nunes, Nº 14	Tower	Self-supporting	30	6.38
7145458	-27.55949400	-48.61947500	SC	SAO JOSE	RUA AMBRÓSIO DA SILVA, 223	Tower	Self-supporting	18	6.11
7142436	-23.58110000	-46.67040000	SP	SAO PAULO	Avenida São Gabriel, 236 – Jardim Paulista	Roof Top	Mast	(3+3+3+3+4)	2.44
7142460	-23.57346000	-46.66066120	SP	SAO PAULO	Alameda Campinas, 1600	Roof Top	Mast	(3+3+3+3+6)	2.25
7142591	-23.53759167	-46.65806111	SP	SAO PAULO	Rua Albuquerque Lins, 92	Roof Top	Mast	(4+4+4)	2.62 (0.98 + 0.82 + 0.82)
7142694	-25.06333333	-46.68726400	SP	SAO PAULO	Rua Jacurici, 184 – Itaim Bibi	Roof Top	Mast	(4+4+4)	2.52 (0.84 + 0.84 + 0.84)
7141657	-21.18270000	-47.81190000	SP	Ribeirão Preto	Rua Ana Costa, 555	Roof Top	Mast	(5+5+5+5+5)	10.39
7141835	-24.01348000	-46.42288000	SP	Praia Grande	Rua São Salvador, 50 - Guilhermina	Roof Top	Mast	(4+4+4)	2.02
7141875	-23.96798000	-46.35262000	SP	Santos	Av. Presidente Wilson, 90 - José Menino	Roof Top	Mast	(4+4+4+4+4+4+4+4+2)	2.24
7141907	-23.93713000	-46.32359000	SP	Santos	Praça Dom Idílio José Soares, 42 - Centro	Roof Top	Mast	(3+3+3+2.3+2.3)	3.03
7142762	-23.63233700	-46.70393800	SP	SAO PAULO	Rua Rodrigues Pais, 193	Roof Top	Mast	(5+5+5+5)	2.87 (0.42 + 0.68 + 1.09 + 0.68)
7142808	-23.55236111	-46.68951944	SP	Sumarezinho	Rua Diana, 740	Roof Top	Mast	(4+4+4)	2.67 (1.03 + 0.82 + 0.82)
7141034	-22.90766000	-47.06089000	SP	Campinas	Rua José de Alencar, 675 - Centro	Roof Top	Mast	(3+3+3+5+5)	3.08
7142493	-23.65476000	-46.63874000	SP	Vila do Encontro	Rua Porcelana, 193 – Vila do Encontro – São Paulo	Roof Top	Mast	(4+4+4)	3.113 (0.782 + 0.782 + 1.549)
649446	-25.67638889	-49.54305556	PR	CONTENDA	EST. COL. JD. ANA M. CORDEIRO, S/N - ND	Tower	Self-supporting	76	18.49

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7147710	-8.05444000	-34.90888000	PE	Recife	Rua Real da Torre, 292 - Madalena, Recife - PE	Roof Top	Mast	(5+5+5)	3.359
7142670	-23.58840000	-46.68810000	SP	SAO PAULO	AVENIDA HORÁCIO LAFER, 702	Roof Top	Mast	(3+3+2)	3.891 (0.231 + 1.220 + 2.440)
7142586	-23.52361000	-46.70666000	SP	SAO PAULO	Rua Albion, 229 - Lapa, São Paulo - SP	Roof Top	Mast	(3+3+3+3)	3.082 (1.037 + 0.133 + 0.777 + 1.155)
7147069	-15.72100000	-47.88600000	DF	BRASILIA	CA-4 Lote A, Shopping Iguatemi	Roof Top	Mast	1.5	2.493
7141472	-23.56081000	-46.65187000	SP	SAO PAULO	ALAMEDA RIO CLARO, BELA VISTA - 157 SÃO -SP	Roof Top	Mast	(4+4+4)	Not informed
532891	-23.40168000	-46.74115000	SP	SAO PAULO	R. Antônio José Anacleto, S/N, Vila Fanton	Tower	Pole	40	8.53
533337	-23.60379300	-46.66473900	SP	SAO PAULO	Av. Jacutinga, 632 - Indianópolis	Roof Top	Mast	(5.40+5.40+5.40)	2.91
881185	-2.52832222	-44.31669722	MA	SAO LUIS	Rua do Egito, 283 - Centro	Roof Top	Mast	5	19.13
7140750	-8.05806000	-34.90475000	PE	RECIFE	Rua Demócrito de Souza Filho 71 - EDF SOLAR DO SICUPEMA	Roof Top	Mast	(3+3+3)	2.66
7143839	-1.34999000	-48.45756000	PA	BELEM	ESTRADA DO TAPANÃ, S/N, KM 1 LT225 – TAPANÃ	Tower	Self-supporting	40	2.1522
7141446	-23.57168000	-46.71277000	SP	SAO PAULO	AVENIDA CAXINGUI, 175	Roof Top	Mast	(4+4+4)	Not informed
7141854	-24.01983000	-46.44942000	SP	SAO PAULO	RUA BALNEARIO CAMBURIU, 100	Roof Top	Mast	(6+3+3)	Not informed
7142462	-23.56107000	-46.66273000	SP	SÃO PAULO	AL ITU,1067 VILA CARAGUATA CONDOMÍNIO EDIFÍCIO JOSÉ HACHEM	Roof Top	Mast	(4+4+4+3)	(0.897705+0.633 408+0.633408+0. 226195)
7142720	-23.60386000	-46.69205000	SP	SAO PAULO	Av. Engenheiro Carlos Berrini, 801	Roof Top	Mast	(4+4+4)	Not informed
7144064	-3.74661900	-38.46969300	CE	FORTALEZA	RUA VILEBALDO AGUIAR, ED. JARANA 2200	Roof Top	Mast	(4+5+5)	(0.73104+0.7310 4+0.73104)
7143964	-1.34001000	-48.35395000	PA	BELEM	RUA DISTRITO INDUSTRIAL DE ANANINDEUA, S/N	Tower	Self-supporting	60	6.909138

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7140821	-8.06436000	-34.87672200	PE	RECIFE	RUA IMP D PEDRO II , 325	Roof Top	Mast	5	Not informed
7140823	-8.06311000	-34.87927800	PE	RECIFE	Avenida Guararapes 154	Roof Top	Mast	4	Not informed
7149558	-8.51003700	-41.01036100	PE	AFRANIO	RUA JOSE VICENTE DE ARAUJO, 0	Tower	Self-supporting	40	0.8201
7142435	-23.56307000	-46.65350000	SP	SÃO PAULO	AVENIDA PAULISTA, EDIFÍCIO ASAHI,1274	Roof Top	Mast	(6+6+6)	(0.28329+0.28329+0.28329)
580400	-7.36263889	-41.36263889	PI	GEMINIANO	AV BRASIL, Nº 230	Tower	Self-supporting	50	Not informed
520993	-1.45478000	-48.49011000	PA	BELEM	AV. DR MORAES 121 NAZARÉ	Roof Top	Mast	(4+4+3)	(0.7286+0.7286+0.7286)
7140675	-8.14327200	-34.90816000	PE	RECIFE	Rua Major Armando de Souza Melo, 430 - Edf Jacunã	Roof Top	Mast	(7+7+7)	Not informed
576455	-5.97861111	-35.11871667	RN	PARNAMIRIM	RUA CENTRAL, 0, COHABINAL	Tower	Self-supporting	48	1.560931
579709	-7.23285000	-36.31536000	PB	SÃO JOÃO DO CARIRI	RUA JOSÉ LEAL, 61 - CENTRO – SÃO JOÃO DO CARIRI	Tower	Self-supporting	40	1.724
532477	-23.49427000	-46.63414000	SP	SÃO PAULO	RUA, FRANCISCO RAMOS N; 28 SANTANA	Tower	Self-supporting	40	3.872497
579500	-3.71269000	-38.47431000	CE	FORTALEZA	Av. Vicente de Castro, 6043	Roof Top	Mast	(3+5)	(1.149 + 1.293)
7142627	-23.53945500	-46.62776800	SP	SAO PAULO	AV DO ESTADO, Nº 2854, CENTRO	Roof Top	Mast	(4+4+4)	Not informed
530792	-22.92470000	-43.36120000	RJ	TANQUE	AVENIDA GEREMARIO DANTAS, 402	Roof Top	Mast	21	1.89
533079	-22.85537000	-43.38575000	RJ	RIO DE JANEIRO	RUA MANACA, 0	Tower	Pole	40	7.9
661510	-14.23836000	-41.73063000	BA	BRUMADO	Rod. BR 30	Tower	Self-supporting	50	9.94
7141236	-23.52770000	-46.78000000	SP	OSASCO	Rua Dr. Mariano Jatahy Marcondes Ferraz, 215 - Centro	Roof Top	Pole	10	4.02
7141686	-21.18116000	-47.80506000	SP	RIBEIRÃO PRETO	Rua Sete de Setembro,590	Roof Top	Mast	(1.3+1.3)	Not informed
531146	-22.95710000	-42.78240000	RJ	RIO DE JANEIRO	RUA 42 QUADRA 58 LOTE 28 PRAIA DAS LAGOAS	Tower	Self-supporting	12.5	9.69
881873	-25.43555000	-49.25166000	PR	CURITIBA	Av. Afonso Camargo, 849 – Cristo Rei – Curitiba - PR	Roof Top	Mast	(3+3+3)	1.494

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656355	-29.49250000	-51.53250000	RS	LINHA COMPRIDA	LINHA COMPRIDA – CENTRO – SALVADOR DO SUL	Tower	Self-supporting	40	1.25
7141331	-23.61030000	-46.68840000	SP	GUARAIUVA	R. GUARAIUVA, 599	Roof Top	Mast	(4+4+4)	Not informed
7147893	-8.02555000	-34.91222000	PE	CASA AMARELA	Rua Oscar Pinto, 293 - Casa Amarela, Recife - PE	Roof Top	Mast	(3+3)	3.931
7142657	-23.58077000	-46.53823000	SP	SAPOPEMBA	Avenida Sapopemba, 5435 – Sapopemba – São Paulo	Roof Top	Mast	(8+8)	(2.49 + 0.68)
7142711	-23.49944000	-46.64833000	SP	PARQUE PERUCHE	Rua Valdemar Martins, 116	Roof Top	Mast	(4+4+4)	4.589
576000	-5.79050000	-35.19144444	RN	NATAL	Rua Florestal 27	Tower	Pole	30	5.44
7144038	-1.44583000	-48.49462000	PA	BÉLEM	Av. General Magalhães, S/N, Reduto	Tower	Self-supporting	6	Not informed
522045	-3.18472000	-51.99138900	AP	SANTANA	AV. FRANCISCO DE MELO PARENTE, 147, REMEDIOS II	Tower	Self-supporting	40	1.012
7142501	-23.55342000	-46.64087000	SP	SÃO PAULO	RUA AMARO, 418,	Roof Top	Mast	(4+4+4+3+3)	(0.288+0.288+0+0.113+0)
3121443	-2.50096130	-44.27695633	MA	SAO LUIS	AV. EUCLÍDES FIGUEIREDO, S/N	Tower	Pole	11	1.02
7141477	-23.55916000	-46.65517000	SP	SÃO PAULO	RUA PEIXOTO GOMIDE, 581	Roof Top	Mast	(3+3+3+3)	(0.949404+0.949404+0.949404+0.949404)
7141534	-23.62477000	-46.66218000	SP	SAO PAULO	Rua Baronesa da Bela Vista, 801 (Hotel Ibis) - Vila Congonhas	Roof Top	Mast	(3+3+3)	Not informed
7142472	-23.54351000	-46.64570000	SP	SÃO PAULO	RUA BENTO FREITAS 186	Roof Top	Mast	(5+5+6)	(0.231+0.52311+0.344)
7146796	-23.57214000	-46.63902000	SP	SÃO PAULO	RUA APENINOS, 539 – ACLIMAÇÃO	Roof Top	Mast	(5+5+5)	(0.158448+0.158448+0.158448)
520570	-3.08066670	-60.05136110	AM	MANAUS	Av. J, s/n - Rua Sete de Abril (Pró-menor Dom Bosco)	Tower	Self-supporting	50	11.13282094
530842	-22.81713500	-43.03230400	RJ	SAO GONCALO	AVENIDA SÃO MIGUEL, 44	Roof Top	Mast	(1.80+7.00)	(0.697 + 0.796)

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531201	-22.86503820	-43.35493250	RJ	RIO DE JANEIRO	Rua Henrique Ferreira, 101 – Bento Ribeiro	Roof Top	Mast	(7.5+7.5+3+3+3+2+1.20)	6.927 (2.938 + 0.452 + 1.332 + 0.452 + 0.616 + 0.616 + 0.452 + 0.069)
531298	-22.81027800	-43.24777800	RJ	RIO DE JANEIRO	AVENIDA VINTE DE JANEIRO, S/Nº - ILHA DO GOVERNADOR – RIO DE JANEIRO	Tower	Self-supporting	30	4.2
531351	-22.83608100	-43.33012300	RJ	RIO DE JANEIRO	Rua Guaiamu - Colégio, Rio de Janeiro - RJ	Roof Top	Mast	(4+6+6+2+2+2+2+2+2+2)	6.542
531606	-22.69062400	-43.87467400	RJ	PIRAI	ROD. PRESIDENTE DUTRA, S/Nº - KM 232 - SENTIDO RJ	Tower	Self-supporting	28.5	8.4
531829	-22.11527500	-43.21056111	RJ	TRES RIOS	RUA BARÃO DO RIO BRANCO, 284	Roof Top	Bracket	16.2	18.41
531846	-22.80040000	-43.20150000	RJ	RIO DE JANEIRO	AV. MAESTRO PAULO E SILVA	Roof Top	Mast	(9+5+6)	Not informed
531869	-23.00736800	-44.03241800	RJ	MANGARATIBA	ILHA GUAÍBA - MANGARATIBA	Tower	Self-supporting	35	Not informed
532389	-23.47093600	-46.52531300	SP	GUARULHOS	Rua Caraguatatuba, 57	Roof Top	Mast	(3+3+3+3)	2.493
532629	-23.62900000	-46.61810000	SP	SAO PAULO	RUA KITIZU UTIYAMA, 314, CURSINO	Tower	Self-supporting	40	3.62
532783	-23.54191000	-46.74262000	SP	SAO PAULO	Rua Marselha, 94, Jaguaré	Tower	Self-supporting	40	3.62
533109	-22.88662000	-43.39210300	RJ	RIO DE JANEIRO	Rua Alberico Diniz, 1632 - Vila Militar Jardim Sulacap – Rio de Janeiro	Tower	Self-supporting	30	4.44
533454	-23.51975000	-46.41814000	SP	SÃO PAULO	AV. FLAMINGO, 1361 – VILA NOVA CURUÇÁ	Tower	Self-supporting	40	1.434285
575598	-5.61983330	-35.65747200	RN	POÇO BRANCO	AVENIDA MANOEL RODRIGUES, 555	Tower	Pole	25	3.03575204
576910	-6.77055560	-36.73333330	RN	SANTA DO SERIDO	AV. ZEZÉ APRÍGIO, 27	Tower	Self-supporting	40	0.58344
576941	-6.27025000	-35.32803000	RN	JUNDIA	GRUPO JUNDIA, 0	Tower	Self-supporting	40	2.295
577340	-8.02088600	-34.95330300	PE	RECIFE	Rua Manoel de Medeiros	Tower	Self-supporting	30	0.78
577579	-4.04124400	-44.47009200	MA	SAO MATEUS DO MARANHAO	RUA BENU LAGO	Tower	Self-supporting	42	5.6

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578144	-6.95160800	-35.54775000	PB	ALAGOINHA	RUA BELARMINO COSTA,S/N	Tower	Self-supporting	50	Not informed
647604	-20.38588889	-43.41969444	MG	MARIANA	RUA JOSE MESQUITA, 167	Tower	Pole	30	Not informed
650254	-23.42333333	-51.94472222	PR	MARINGA	Rua Néo Alves Martins, 3176 – Zona 3	Roof Top	Mast	4	0.815
650327	-23.43388890	-51.94833330	PR	MARINGA	Rua Humaitá, 714 – Kennedy - Maringá	Roof Top	Mast	5	2.156
655219	-20.36550000	-42.71660000	MG	URUCANIA	RODOVIA MG 265, KM 120	Tower	Self-supporting	20	1.21
657504	-27.59111000	-48.60972000	SC	SAO JOSE	RUA JOAO SATURNINO OURIQUES, 619	Roof Top	Mast	4	Not informed
658581	-24.65008611	-48.98342500	PR	ADRIANOPOLIS	RUA ALCIDES BATISTA DIAS, 265	Tower	Guyed	40	1.49
660106	-23.93416670	-52.49611110	PR	ARARUNA	RUA ROCHA POMBO, 605 – JUVÊVE – CURITIBA	Tower	Self-supporting	100	Not informed
660435	-25.54400000	-54.57000000	PR	FOZ DO IGUAÇU	AVENIDA FELIPE WANDSCHEER, 1276	Roof Top	Mast	4	1.495
7140689	-8.06075000	-34.88444200	PE	RECIFE	AVENIDA CONDE DA BOA VISTA, 331 - CENTRO	Tower	Self-supporting	44	2.74
7140813	-5.80135900	-35.21072200	RN	NATAL	Rua Noel Rosa 856. - Barro Vermelho	Roof Top	Mast	2.7	3.475
7140855	-5.80905200	-35.20150000	RN	NATAL	Rua N. Sra. de Lourdes 1376 - Ed. Manhatam	Tower	Self-supporting	32	2.08
7140970	-22.89805000	-47.05180000	SP	CAMPINAS	RUA BARRETO LEME, 2101	Roof Top	Mast	(3+3)	(1.724+3.22)
7140991	-22.91116000	-47.06472000	SP	CAMPINAS	Rua Doutor Sales de Oliveira, 463 - Vila Industrial - Campinas - SP	Roof Top	Mast	(6+6+6+6)	2.839
7140994	-22.90805000	-47.05666000	SP	CAMPINAS	Rua Doutor Quirino, 757 - Centro, Campinas - SP	Roof Top	Mast	(3+3+3+3)	2.605
7141173	-23.64676400	-46.77288900	SP	SAO PAULO	Rua Odemis, 520	Roof Top	Mast	(6+6+6+3)	3.331
7141351	-23.53233000	-46.66310000	SP	SÃO PAULO	Largo Péricles, 0, Barra Funda	Roof Top	Mast	3+3+3	(1.193090371+0.739902+0.739902)
7141372	-23.69277778	-46.55111111	SP	SAO BERNARDO DO CAMPO	PÇA SAMUEL SABATINI, 200 – CENTRO – SÃO BERNARDO CAMPO	Roof Top	Bracket	15.2	2.39

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7141376	-23.70989110	-46.55659130	SP	SAO BERNARDO DO CAMPO	Rua Braga, 266 - Vila Lusitania, São Bernardo do Campo - SP	Roof Top	Mast	(3+3+3+3+3)	2.493
7141402	-23.72290000	-46.56934000	SP	SAO BERNARDO DO CAMPO	AVENIDA JOÃO FIRMINO, 1229 – ASSUNÇÃO – SÃO BERNARDO DO CAMPO - SP	Roof Top	Mast	3	Not informed
7141465	-23.61970000	-46.56360000	SP	SAO CAETANO DO SUL	Rua Rafael Correia Sampaio, 977 – Santa Paula – S.C.S	Roof Top	Mast	5	Not informed
7141471	-23.56664000	-46.64474000	SP	SAO PAULO	Rua Treze de Maio, 1566 – Bela Vista – São Paulo	Roof Top	Mast	5	Not informed
7141817	-23.98316000	-46.29774000	SP	SANTOS	Rua Maria Máximo, 672 – Santos– São Paulo	Roof Top	Mast	(3+3+3)	2.493
7141845	-23.96050200	-46.33230800	SP	SANTOS	Av. Dona Ana Costa, 376 - Gonzaga – Santos	Roof Top	Mast	(4+4)	Not informed
7141878	-23.94431000	-46.32687000	SP	SANTOS	RUA JULIO DE MESQUITA, 158 – VILA MATIAS- SANTOS– SP	Roof Top	Mast	(6+6+6+4+4)	Not informed
7141939	-23.96070000	-46.31687000	SP	SANTOS	PRAÇA PALMARES, 8	Roof Top	Mast	(3+3+3+4)	Not informed
7142402	-23.55196000	-46.56205000	SP	SAO PAULO	Rua Apucarana, 1563 -Tatuapé - São Paulo	Roof Top	Mast	(6+4+4)	Not informed
7142415	-23.57276200	-46.65729500	SP	SAO PAULO	Alameda Joaquim Eugênio de Melo, 1452 – Jd. Paulista – São Paulo	Roof Top	Mast	(3+3+3+3)	3.13
7142438	-23.56256000	-46.65928000	SP	SAO PAULO	Alameda Jaú, 1167 – Jardim Paulista - SP	Roof Top	Mast	(6+5+5)	Not informed
7142442	-23.57720000	-46.67050000	SP	SAO PAULO	Rua Maestro Elias Lobo, 1040 – Jardim Paulista – São Paulo	Roof Top	Mast	(4+4)	Not informed
7142445	-23.53454800	-46.66823000	SP	SAO PAULO	Rua Monte Alegre, 470 – Perdizes – São Paulo	Roof Top	Mast	(4+4+4+4)	2.83
7142475	-23.54046000	-46.64457000	SP	SAO PAULO	Lago do Arouche, 96 – República - SP	Roof Top	Mast	(4+4+4)	Not informed
7142596	-23.53930000	-46.66050000	SP	SAO PAULO	Rua Dr Gabriel Dos Santos, 759 – Santa Cecilia	Roof Top	Mast	(3+3+3+3)	2.454
7142602	-23.56950000	-46.65140000	SP	SAO PAULO	RUA MANUEL DA NÓBREGA, 181	Roof Top	Mast	(6+6+6)	Not informed
7142651	-23.59882000	-46.66286000	SP	SAO PAULO	Rua Gaivota, 22 – Moema	Roof Top	Mast	(4+4+4)	Not informed

Primary identification key of the site	Latitude	Longitude	State	Municipality	Address	Type of Infrastructure Item (Tower/Roof Top)	Type of vertical structure	Height (m)	Installed wind exposure area (m2)
7142675	-23.60222000	-46.66611000	SP	SAO PAULO	Rua Gaivota, 665 – Indianópolis – São Paulo	Roof Top	Mast	(4+4+4)	2.164
7142690	-23.61722000	-46.69805000	SP	SAO PAULO	Av.Jurubatuba, 246 – Morumbi	Roof Top	Mast	(3+6+4)	2.509
7142816	-23.54451000	-46.55553000	SP	SÃO PAULO	RUA EMILIO MALLET, 1893, VILA GOMES CARDIM	Roof Top	Mast	(4+4+4)	(0.5856+0.5856+1.037989342)
7143549	-6.33819400	-39.40525000	CE	BARBALHA	DISTRITO SITIO FARIAS, 0	Tower	Self-supporting	33	Not informed
7143836	-23.94957000	-46.32523000	SP	SANTOS	Avenida Washington Luiz, 61 – Vila Matias– Santos – SP	Roof Top	Mast	(4+4+5+5+5)	Not informed
7144557	-23.63300000	-46.55300000	SP	SAO CAETANO DO SUL	Rua Alameda São Caetano, 1738 – Santa Maria – S.C.S	Roof Top	Mast	(3+3+3)	3.307
7144635	-23.53880000	-46.64020000	SP	SAO PAULO	Rua Vitória, 395	Roof Top	Mast	(6+6+6)	1.058
7145465	-27.59267000	-48.54990000	SC	FLORIANOPOLIS	RUA LACERDA COUTINHO,179	Roof Top	Mast	5	Not informed
7146262	-25.40000000	-49.26250000	PR	CURITIBA	RUA ALBERTO FOLLONI, 1673, JUEVÊ, CURITIBA	Roof Top	Mast	(6+1.5)	2.39
7146263	-25.41861000	-49.24111000	PR	CURITIBA	Av. Nossa Senhora da Luz, 1800 – Jardim Social – Curitiba - PR	Roof Top	Mast	(1.4+2+2+2)	2.262
7146268	-25.47400000	-49.27660000	PR	CURITIBA	Avenida da República, 6464 – Guaíra – Curitiba - PR	Roof Top	Mast	6	1.868
7146339	-23.31935500	-51.14780500	PR	LONDRINA	AVENIDA SANTOS DUMONT, 500-BOA VISTA	Roof Top	Mast	(4+4)	2.383
7146549	-9.96713890	-67.84933330	AC	RIO BRANCO	Rua Fátima Maia, 200 – Jardim de Alah – Rio Branco	Roof Top	Mast	(3+1.30)	1.548
7146946	-23.55080000	-46.84460000	SP	CARAPICUIBA	R. PICO DA BANDEIRA, 26	Roof Top	Mast	10	3.353
7146956	-32.04089000	-52.09253000	RS	RIO GRANDE	RUA REVOCATA DE MELLO, 51	Roof Top	Mast	6	Not informed
7147000	-29.18667000	-51.17056000	RS	CAXIAS DO SUL	Rua Remio Antônio Tomazzoni, 138 – Planalto – Caxias do Sul	Roof Top	Mast	6	2.02
7147390	-4.24583300	-55.98555600	PA	ITAITUBA	Rua Santo Antonio - nº 1489	Tower	Self-supporting	40	Not informed
7147585	-26.99960500	-48.62505600	SC	BALNEARIO CAMBORIU	AV. BRASIL, 3080	Roof Top	Mast	(3+3)	Not informed

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7147669	-15.80417800	-47.86355000	DF	BRASILIA	SET SAFS QD 4 LT 1 ZONA CIVICO ADMINIST	Roof Top	Mast	4	1.4
7148511	-8.03288889	-34.87069444	PE	RECIFE	AVENIDA PROFESSOR ANDRADE BEZERRA, S/N - CENTRO	Tower	Pole	40	0.78
520852	-1.54015000	-48.72761000	PA	BARCARENA	RODOVIA PA, KM21 - DISTRITO MURUCUPI (FABRICA ALUNORTE)	Tower	Self-supporting	90	Not informed
520994	-6.04694440	-50.14750000	PA	PARAUAPEBAS	MINA DE FERROSOS CARAJÁS N4 (PCE)	Tower	Self-supporting	70	Not informed
531439	-23.45884000	-46.58716000	SP	SAO PAULO	R. José Camargo Aranha, Jd. Guapira	Tower	Self-supporting	40	2.83
531707	-22.46900000	-44.44900000	RJ	RESENDE	Rua Doutor Cunha Ferreira, 70	Roof Top	Mast	(6+6+6+3+3+3+3+3+4+4+4+4+4)	10.97
532138	-22.90774000	-43.11003800	RJ	NITEROI	Rua Cel. Moreira Cesar, 264, Icarai	Roof Top	Mast	(6+6)	2.35
532508	-23.59361944	-46.76051111	SP	SAO PAULO	RUA JOAO GUILHERME, 239	Tower	Self-supporting	40	10.97
532529	-23.63707000	-46.74231000	SP	São Paulo	Rua Chico Gomes, S/Nº	Tower	Pole	40	5.83
532828	-22.24666667	-43.70416667	RJ	VALENCA	AV. NILO PEÇANHA, 504 - ESPLANADA DO CRUZEIRO - VALENÇA	Roof Top	Mast	21	6.96
533036	-23.49714000	-46.66948000	SP	SAO PAULO	R. Dirce Rodrigues 33	Tower	Self-supporting	41	4.48
533073	-22.41682600	-42.98367600	RJ	TERESOPOLIS	Rua Guandu 680, Pimenteiros	Roof Top	Mast	10	2.11
580049	-8.12083300	-35.02166600	PE	JABOATAO DOS GUARARAPES	TRAVESSA ALTO DO DENDE, S/N	Tower	Self-supporting	40	Not informed
581645	-3.55013889	-40.65647222	CE	COREAU	Rua Tabelaio Angelin, S/N - Centro	Tower	Self-supporting	30	9.71
582110	-2.90416667	-41.55722222	PI	LUIS CORREIA	Loteamento Barra Mares, Quadra 3, Lote 3	Tower	Self-supporting	25	1.04
645400	-18.56716000	-46.51605000	MG	PATOS DE MINAS	RUA BERILO, 162	Tower	Self-supporting	70	11.12
655005	-19.96729000	-44.19717000	MG	BETIM	RUA ROMUALDA AUGUSTA DE MELO, 337	Roof Top	Mast	(4+4+4+4+4+4+4+4+4)	Not informed

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659027	-18.89173000	-48.26330000	MG	UBERLANDIA	RUA SALVADOR, 471	Tower	Self-supporting	40	Not informed
659032	-19.93547000	-43.16867000	MG	RIO PIRACICABA	ESTAÇÃO TELEMAR, MORRO DAS ANTENAS	Tower	Self-supporting	30	Not informed
660655	-23.42243000	-51.93565000	PR	MARINGA	Rua Neo Alves Martins, 2250	Roof Top	Mast	(1.5+1.5+4)	2.2
661495	-19.82928056	-40.36700000	ES	IBIRACU	AVENIDA JOAO ALVES MOTTA JUNIOR, S/N	Tower	Self-supporting	60	Not informed
662347	-30.03375000	-51.18645833	RS	PORTO ALEGRE	RUA ENGENHEIRO AFONSO CAVALCANTI, 100	Roof Top	Bracket	21.5	Not informed
662913	-29.96411000	-51.16869000	RS	SAO GABRIEL	RUA FERNANDO FERRARI, S/N	Roof Top	Mast	3	3.43
7140706	-8.08500000	-34.96859700	PE	RECIFE	Rua Alto de Bela Vista, 0	Roof Top	Mast	11	3.24
7141030	-22.89194000	-47.06333000	SP	CAMPINAS	Av. Barão de Itapura, 1518 - Jardim Guanabara, Campinas - SP	Roof Top	Mast	(3+3+3+3)	Not informed
7141059	-23.98155300	-46.23545700	SP	GUARUJA	Rua José da Silva Figueiredo, 525 Enseada - Guarujá	Roof Top	Mast	(3+3+3+3+3)	4.816
7141091	-24.18441000	-46.78722000	SP	ITANHAEM	Rua João Mariano, 193 – Centro - Itanhaém	Roof Top	Mast	(6+6)	4.553
7141381	-23.46861000	-46.69727000	SP	SAO PAULO	ESTRADA DO SABÃO, 40	Roof Top	Mast	(6+6+3)	4.179
7141655	-21.17644440	-47.81066670	SP	RIBEIRAO PRETO	RUA AMÉRICO BRASILIENSE, 413	Roof Top	Mast	4	6.447
7141844	-23.97138900	-46.32722200	SP	SANTOS	Rua Vicente Carvalho,31 - Boqueirão	Roof Top	Mast	5	Not informed
7141859	-24.01515000	-46.43055000	SP	PRAIA GRANDE	Rua Nicaragua, 49 – Praia Grande – São Paulo	Roof Top	Mast	(6+6+6)	3.463
7141909	-23.96655000	-46.32860000	SP	SANTOS	Av. Washington Luiz, nº 505	Roof Top	Mast	(5+5)	(0.77+0.91)
7142566	-23.52091300	-46.65423600	SP	SAO PAULO	Rua Cruzeiro, 732, Barra Funda	Roof Top	Mast	(4+4+4)	1.22
7142652	-23.59277000	-46.65000000	SP	SAO PAULO	R. Dra. Neyde Aparecida Solito, 460 - Vila Clementino – Moema - SP	Roof Top	Mast	(5+5+5)	3.221
7143020	-19.63226000	-43.96276000	MG	CONFINS	RODOVIA MG-010,KM 08 - AEROPORTO INTERNACIONAL	Roof Top	Mast	(5.5+5.5+5.5+5.5)	Not informed

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7143384	-19.51876389	-50.33352778	MG	UNIAO DE MINAS	RUA DOZE, Nº 684	Tower	Self-supporting	80	Not informed
7143675	-22.89602900	-43.12295000	RJ	NITEROI	Rua Quinze de Novembro, nº49 - Icaraí	Roof Top	Mast	(6+6)	(+1.5+2.45)
7143835	-23.52305556	-47.10361111	SP	CAMPINAS	RUA BARÃO DE JAGUARA, 707 - CONCEIÇÃO	Roof Top	Bracket	6	11.85
7143856	-8.03075000	-34.90425000	PE	RECIFE	R. Jundiá, 242 - Edf Sisal	Roof Top	Pole	58	Not informed
7143927	-22.00886000	-47.90058000	SP	SAO CARLOS	Rua Dona Maria Jacinta, 241, São Carlos - SP	Roof Top	Mast	(4+4+4)	3.689
7144494	-23.47626000	-46.55392000	SP	GUARULHOS	Av. São Paulo, 352 - Cidade Brasil - Guarulhos - SP	Roof Top	Mast	(6+6+6)	2.927
7144604	-23.56721386	-46.42094483	SP	SAO PAULO	Rua Jaguapeba, 100	Roof Top	Mast	(4+6)	2.406
7144622	-23.47668000	-46.71418000	SP	SAO PAULO	Rua Cel. Gonçalves da Siqueira 145, Pirituba	Tower	Self-supporting	40.7	3.12
7144688	-23.55000000	-46.64684000	SP	SAO PAULO	Rua Augusta, 66	Roof Top	Mast	(3+3+3)	2.09
7145118	-16.40711111	-48.94197222	GO	ANAPOLIS	VIELA VP-3D – DISTRITO AGRO-INDUSTRIAL DE ANÁPOLIS (DAIA) – ANÁPOLIS	Tower	Self-supporting	80	18.79
7145590	-27.12850000	-52.24360000	SC	ARABUTA	LINHA JURITI AREA INDUSTRIAL S/N	Tower	Self-supporting	60	3.03
7146416	-15.79500000	-47.93222200	DF	BRASILIA	Sudoeste Octogonal QRSW 1 Bloco A5	Roof Top	Bracket	15	3.36
7146751	-6.81486100	-41.34552200	PI	SAO JOAO DA CANABRAVA	Av. Nossa Sra. de Fátima, 0	Tower	Self-supporting	84	6.71
7147044	-10.56830556	-63.62225000	RO	CAMPO NOVO DE RONDONIA	AV. RIO BRANCO, S/N	Tower	Self-supporting	48	Not informed
7147226	-4.58955100	-42.86070200	PI	UNIAO	Rua Davi Caldas, S/Nº - Centro	Tower	Self-supporting	86	22.22
7147473	-23.30617000	-45.97344000	SP	JACAREI	R. Cap. João Jose de Macedo, 340	Roof Top	Mast	(4+4+4)	2.82
7147709	-8.10944400	-34.90583300	PE	RECIFE	RUA SGT SILVINO MACEDO, 155	Roof Top	Mast	5	Not informed
7147773	-8.04986100	-34.87565800	PE	RECIFE	Rua Vinte e Quatro de Agosto, 109	Roof Top	Mast	18	1.424106

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7147859	-30.15253700	-51.13853800	RS	PORTO ALEGRE	ALAMEDA J - UNIDADE VICINAL, 183	Roof Top	Mast	9	Not informed
7147956	-18.45983333	-40.66695833	ES	VITORIA	RUA DESEMBARGADOR HOMERO MAFRA 60 – ENSEADA DO SUÁ	Tower	Self-supporting	12	Not informed
7150004	-22.30693000	-43.55497400	RJ	VASSOURAS	ESTRADA BARÃO DE IPIABAS, S/Nº – VASSOURAS	Tower	Self-supporting	10	0.9
10706093	-7.14333300	-40.93888900	PI	VILA NOVA DO PIAUI	Av Central, s/n	Tower	Self-supporting	46	6.07
521096	-6.06924722	-50.06643611	PA	SANTANA	RUA FRANCISCO RAMOS,28 - SANTANA	Tower	Self-supporting	Not informed	0.0985
531060	-23.53652000	-46.69156000	SP	SAO PAULO	Rua Coari, 208	Tower	Self-supporting	40	2.27
531197	-22.94306000	-43.15667000	RJ	RIO DE JANEIRO	Av. João Luiz Alves, s/n (Fortaleza de São João) - Urca, Rio de Janeiro	Roof Top	Mast	3	13.2
531604	-22.94530900	-43.36297100	RJ	RIO DE JANEIRO	Estr. Mal. Miguel Salazar Mendes de Moraes, 1409	Roof Top	Mast	5	2.007
532022	-22.87908800	-43.44568400	RJ	RIO DE JANEIRO	Rua Cajaiba, 245, Padre Miguel	Roof Top	Mast	(6+4+5)	(3.77+0.60+0.67)
532520	-22.89206100	-43.12031100	RJ	NITEROI	Rua São Pedro, nº 128, Centro	Roof Top	Bracket	(4+4+4+4)	Not informed
532582	-23.58681000	-46.54851000	SP	SAO PAULO	Rua Joaquim Ribeiro da Costa, 386	Tower	Self-supporting	40	1.6
645511	-10.19755600	-48.34916700	TO	PALMAS	AVENIDA LO-5, LT 01 – PLANO DIRETOR SUL	Roof Top	Mast	9	Not informed
647320	-18.59074722	-46.50220556	MG	PATOS DE MINAS	RUA SALVINA MARIA DO CARMO, S/N	Tower	Pole	40	7.76
648887	-23.30165700	-51.17837300	PR	LONDRINA	Rua Tiradentes, 501	Roof Top	Bracket	15.33	5.72
649536	-23.32234444	-51.16662500	PR	LONDRINA	Rua Gumercindo Saraíva, 62	Roof Top	Mast	4	2.07
650088	-15.59244400	-56.09150000	MT	CUIABA	AV HIST RUBENS DE MENDONCA - BAU	Roof Top	Guyed	10	2.08
650620	-31.75432100	-52.31574000	RS	PELOTAS	Av. Domingos de Almeida, 1902- Areal	Tower	Self-supporting	40	4.53
651160	-15.81159300	-47.90338700	DF	BRASILIA	SQS 307 BLOCO J - Nº S/N	Roof Top	Mast	5	4.02

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654494	-20.83596100	-41.18034000	ES	CACHOEIRO DE ITAPEMIRIM	RUA JOSE FARIAS DE JESUS, 8	Roof Top	Mast	6	2.66
661041	-20.29791000	-40.30039000	ES	VITORIA	AV. NOSSA SENHORA DA PENHA,1495	Roof Top	Mast	6	Not informed
661291	-20.28680556	-40.28510556	ES	VITORIA	RUA MARIA ELEONORA PEREIRA, 510.	Roof Top	Mast	6	Not informed
661926	-21.13589000	-44.25834000	MG	SAO JOAO DEL REI	RUA GABRIEL PASSOS, 321	Roof Top	Mast	5	Not informed
880080	-30.08097000	-51.22861000	RS	PORTO ALEGRE	AVENIDA CRUZEIRO DO SUL, 2323	Roof Top	Mast	7	Not informed
881342	-15.62366700	-56.08722200	MT	CUIABA	AV. BEIRA RIO, 3100 JARDIM EUROPA	Roof Top	Mast	5	Not informed
4658540	-22.80670556	-43.23270833	RJ	RIO DE JANEIRO	Estrada das Canárias, S/N	Tower	Self-supporting	20	2.116
7140682	-8.12013900	-34.90161100	PE	RECIFE	Rua Fernando Simoes Barbosa 316	Roof Top	Mast	3	Not informed
7140740	-8.19597200	-34.91958100	PE	JABOATAO DOS GUARARAPES	Avenida Bernardo Vieira de Melo, 4804	Roof Top	Pole	6	1.73
7140761	-8.17083300	-34.91497200	PE	JABOATAO DOS GUARARAPES	Avenida Beira Mar, 520	Roof Top	Pole	5	2.7
7141352	-23.52815000	-46.68023000	SP	São Paulo	Rua Turiassú, 1863, Perdizes	Roof Top	Mast	(3+3+3+3)	(0.79+0.18+0.79+1.29)
7141897	-23.20211110	-45.89555560	SP	SAO JOSE DOS CAMPOS	Rua Cel João Cursino, 240/242 - Ed. Toulon	Roof Top	Mast	6	Not informed
7141910	-23.97089000	-46.30352000	SP	SANTOS	RUA LACERDA FRANCO, Condomínio Ed. Icaraima - Bairro Aparecida 137, CEP:11025180	Roof Top	Mast	(4+4+4)	(0.5203104+0.5203104+0.633407736)
7142425	-23.47001000	-46.58804000	SP	SAO PAULO	R. Roque de Paula Monteiro, 317 – Tucuruvi – São Paulo	Roof Top	Mast	(6+6+6)	4.026
7142646	-23.59191000	-46.67088000	SP	SAO PAULO	RUA DOMINGOS FERNANDES, 588 – MOEMA – SÃO PAULO	Roof Top	Mast	(2.5+2)	2.493
7142776	-23.52055000	-46.62333000	SP	SAO PAULO	Av. Cruzeiro do Sul, 1100 - Canindé	Roof Top	Mast	(4+4+4+4+4)	3.986

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7143713	-22.83050700	-43.24687800	RJ	RIO DE JANEIRO	Av. Vinte de Janeiro, S/Nº	Tower	Pole	30	5.07
7144142	-3.72978000	-38.52563000	CE	FORTALEZA	Rua Sena Madureira, 1070	Roof Top	Mast	(2+2+2)	(9.578+4.594+7.733)
7144176	-16.19469390	-47.45419400	DF	BRASÍLIA	Rodovia Brasília - Unai, BR251, Km 14 - nº S/N	Tower	Self-supporting	60	2.04
7144252	-15.81109000	-47.95927500	DF	BRASILIA	(FIL-DF) SIA SAPS AE D	Roof Top	Mast	5	1.99
7144403	-15.83558300	-47.86744700	DF	BRASILIA	SHIS QI 11, BLOCO O. LAGO SUL	Roof Top	Bracket	9	1.41
7144531	-1.93694440	-59.42105560	AM	PRESIDENTE FIGUEIREDO	Rua Tefé, 23 - Atroari	Tower	Self-supporting	75.6	14.58
7144965	-16.67138000	-49.26694000	GO	GOIANIA	Rua 17A Esquina Com 13A , 899 – ST. Aeroporto - GO	Roof Top	Mast	(4+2)	3.391
7145167	-16.68250000	-49.30130000	GO	GOIANIA	RUA BENEDITO ZUPELLI, 254-320	Roof Top	Mast	8	4.448
7146982	-30.34070000	-54.08090000	RS	SAO GABRIEL	BR 290. SANTA MARGARIDA DO SUL. ESTRADA DA SERRINHA S/N	Tower	Self-supporting	40	5.21
7147096	-29.97833000	-51.16789000	RS	PORTO ALEGRE	Av. Fernando Ferrari, 1001	Roof Top	Pole	(4+4+4)	Not informed
7147472	-23.30361000	-46.95638000	SP	JACAREI	Rua Gilberto Moreira, 296 - Vila Formosa, Jacareí - SP	Roof Top	Mast	(3+3+3)	2.493
7147530	-15.79676000	-47.86715500	DF	BRASILIA	ESPLANADA DOS MINISTÉRIOS, BLOCO R, SALA 57 - MINISTÉRIO DAS COMUNICAÇÕES	Roof Top	Mast	5	3.3
7149041	-30.04697780	-51.21070830	RS	PORTO ALEGRE	AVENIDA JOÃO PESSOA, 2050 - SANTANA	Roof Top	Mast	6	3.26
7141538	-23.62529000	-46.68406000	SP	São Paulo	Rua Barão do Triunfo, 276	Roof Top	Mast	(4+3+3+3)	(1.01+1.19+1.01+1.97)
647675	-21.41105000	-45.83501000	MG	FAMA	RUA SANTA EDWIGES, S/N	Tower	Self-supporting	40	Not informed
656692	-21.53665000	-43.20046000	MG	GOIANA	RUA JOAO DE SOUZA RIBEIRO, 0	Tower	Self-supporting	32	Not informed
655699	-18.86708000	-48.26668000	MG	UBERLANDIA	RUA VIRGILIO CARRIJO, 450	Tower	Self-supporting	70	Not informed

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647269	-16.88939000	-40.92709000	MG	FRONTEIRA DOS VALES	RUA BAHIA, 198	Tower	Self-supporting	40	Not informed
885951	-18.57800000	-47.87600000	MG	CASCALHO RICO	RUA IOLANDA M. CARDOSO, 225	Tower	Self-supporting	60	1.1
647631	-19.92138000	-47.92416000	MG	UBERABA	AVENIDA FILOMENA CARTAFINA, KM 17	Tower	Self-supporting	90	33.07
7149334	-30.08400000	-51.24590000	RS	PORTO ALEGRE	AVENIDA DIARIO DE NOTICIAS, 300	Roof Top	Mast	4	Not informed
7146773	-30.08636500	-51.17737100	RS	PORTO ALEGRE	Estr. Embratel, 114	Tower	Self-supporting	50	2.81
658632	-18.84330000	-46.79333000	MG	GUIMARANIA	RUA TUPINAMBAS, 5151	Tower	Self-supporting	32	Not informed
7146505	-30.10923000	-51.26387000	RS	PORTO ALEGRE	RUA INTERNA DO CLUBE DOS JANGADEIROS	Tower	Self-supporting	24	Not informed
658009	-19.07260000	-41.86490000	MG	CAPITAO ANDRADE	AVENIDA LEVINDO DIAS, S/N	Tower	Self-supporting	30	Not informed
646844	-16.87250000	-41.25810000	MG	MONTE FORMOSO	MORRO DO CEMITERIO	Tower	Self-supporting	60	Not informed
7142823	-20.31090000	-43.71095000	MG	OURO PRETO	AVENIDA VER. JOAQUIM DIAS TOLÊDO, S/N	Tower	Pole	42	Not informed
7146539	-30.18900000	-51.16200000	RS	PORTO ALEGRE	ESTRADA CHAPEU DO SOL, 681	Roof Top	Mast	6	Not informed
658989	-16.61570000	-42.18361000	MG	CORONEL MURTA	RUA NOSSA SENHORA APARECIDA, S/Nº	Tower	Pole	40	Not informed
648291	-21.79720000	-43.38340000	MG	JUIZ DE FORA	RUA LEONILDO GONÇALVES REGADO, 125	Tower	Pole	12	Not informed
7147825	-29.98690000	-51.18090000	RS	PORTO ALEGRE	AVENIDA DOS ESTADOS, 1353	Roof Top	Mast	6	Not informed
7147062	-28.83390000	-49.84564000	SC	TIMBE DO SUL	RUA CARLOS SAVI, S/N	Tower	Self-supporting	40	Not informed
7144840	-8.76386000	-63.88491000	RO	PORTO VELHO	AV. GOV. JORGE TEIXEIRA, 629	Tower	Self-supporting	30	Not informed
656314	-19.88675000	-46.02063000	MG	TAPIRAI	PRAÇA JOSÉ PAIVA CARDOSO S/Nº	Tower	Pole	30	Not informed
646345	-20.00580000	-43.96870000	MG	NOVA LIMA	RODOVIA JUSCELINO KUBITSCHEK / BR -040, KM 545, S/N	Roof Top	Mast	6	Not informed
647651	-19.65090000	-42.86840000	MG	ANTONIO DIAS	RUA BELO HORIZONTE, S/N	Tower	Self-supporting	43	Not informed

Primary identification key of the site	Latitude	Longitude	State	Municipality	Address	Type of Infrastructure Item (Tower/Roof Top)	Type of vertical structure	Height (m)	Installed wind exposure area (m2)
649809	-16.54986000	-42.50945500	MG	JOSENÓPOLIS	MORRO DAS ANTENAS, S/N°	Tower	Self-supporting	60	Not informed
7143335	-19.94466000	-43.92221000	MG	BELO HORIZONTE	RUA AFONSO PENA, 4001	Roof Top	Mast	(3+3+3+3+3+3+3)	Not informed
878575	-22.24831700	-44.93431300	MG	POUSO ALTO	RUA JOÃO LINO DA SILVA, S/N	Tower	Self-supporting	40	Not informed
25607755	-3.04030000	-59.95640000	AM	MANAUS	AV. CEL. SÁVIO BELOTA, 57	Tower	Pole	40	Not informed
579422	-7.20470000	-39.31910000	CE	JUAZEIRO DO NORTE	AV. PADRE CICERO, 641, EDIFÍCIO OI	Tower	Self-supporting	40	Not informed
7143202	-19.84670000	-40.07300000	ES	ARACRUZ	RODOVIA ES-010, S/N	Tower	Self-supporting	51	Not informed
646972	-19.62155000	-42.22775000	MG	ENTRE FOLHAS	ALTO DO MORRO DA ESTAÇÃO TELEMAR	Tower	Self-supporting	30	Not informed
648120	-19.17572000	-41.86441000	MG	ITANHOMI	AV. SÃO CRISTOVÃO, S/N	Tower	Self-supporting	40	Not informed
654923	-19.34060000	-42.16300000	MG	SÃO JOÃO DO ORIENTE	RUA ESPERANÇA, S/N	Tower	Self-supporting	32	Not informed
661189	-17.25500000	-40.57100000	MG	UMBURATIBA	RUA PEDRO GANGA, N° 47	Tower	Self-supporting	40	Not informed
7145534	-27.43006000	-48.47656000	SC	FLORIANOPOLIS	ROD. TERTULIANO BRITO XAVIER, 2352	Roof Top	Mast	4	Not informed
7143168	-21.04210000	-40.83100000	ES	MARATAIZES	RUA MARIA HORTIZ, S/N	Tower	Self-supporting	35	-
7148981	-26.93240000	-48.95350000	SC	GASPAR	RUA DORALÍCIO GARCIA, 330	Roof Top	Mast	(10+10+10+10+7+7)	-
655458	-18.65810000	-41.39740000	MG	MENDES PIMENTEL	RUA DA TORRE, S/N	Tower	Pole	30	-
657856	-17.80440000	-41.78830000	MG	POTE	AV. DOUTOR GETÚLIO VARGAS,321	Tower	Pole	40	-
25610947	-3.12865000	-59.96300000	AM	MANAUS	R MIN JOÃO GONÇALVES DE SOUZA, S/N	Tower	Pole	(60+40)	-
7145368	-27.07420000	-52.62663000	SC	CHAPECÓ	AVENIDA FERNANDO MACHADO, 3639	Roof Top	Mast	(3+3)	-

Primary identification key of the site	Secondary identification	Latitude	Longitude	State	Municipality	Address	Name	Site description	Site type	Technology	System (Passive/Active)	System (SISO/MIMO)	Client carriers (including SPE Movable)
40700	RJCTO3024	-22,90970000	-43,17804500	RJ	RIO DE JANEIRO	Rua Senador Dantas, 105 - BB SEDAN 23 andares	BB SEDAN	Corporate Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	2
13778	MGBPR4203	-19,92150000	-43,95085200	MG	BELO HORIZONTE	Avenida Augusto de Lima, 1549 - Forum Lafayette	Forum Lafayette	Public Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
17779	RJSMI2621	-22,79690000	-43,35110000	RJ	SAO JOAO DE MERITI	Rodovia Presidente Dutra, 4200 - Shopping Grande Rio	Shopping Grande Rio	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	2
22803	SPWST2671	-23,62320000	-46,69843000	SP	SAO PAULO	AV ROQUE PETRONI JUNIOR, 1089 / TE	Shopping Center Morumbi	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
6176	SPWCB3642	-23,62750000	-46,65890000	SP	SAO PAULO	Av. Washington Luis, s/n - Aeroporto Internacional de Congonhas	Aeroporto Congonhas	Airport	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
44270	CEFLA0142	-3,77920000	-38,54085000	CE	FORTALEZA	Av. Senador Carlos Jereissati, 3000	Aeroporto Fortaleza	Airport	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	2
5760	SPGRS2853	-23,48880000	-46,54870000	SP	GUARULHOS	Rod. Presidente Dutra, Km 230 - Internacional Shopping Guarulhos	Internacional Shopping Guarulhos	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5766	SPGRS4359	-23,42640000	-46,48262000	SP	GUARULHOS	Rod. Hélio Schmidt, s/n - Aeroporto Internacional de São Paulo (Cumbica)	Aeroporto Guarulhos	Airport	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5767	SPGRS4360	-23,42620000	-46,48017000	SP	GUARULHOS	Rod. Hélio Schmidt, s/n - Aeroporto Internacional de São Paulo (Cumbica)	Aeroporto Guarulhos	Airport	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
9266	BASCT0204	-12,91450000	-38,33491600	BA	SALVADOR	PRACA GAGO COUTINHO, 282,	Aeroporto Salvador	Airport	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
17062	RJCTO3007	-22,91100000	-43,16650000	RJ	RIO DE JANEIRO	Praça Senador Salgado Filho, S/N - Aeroporto Santos Dumont	Aeroporto Santos Dumont	Airport	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	Passive	SISO	2
24395	DFIND0132	-15,83610000	-48,05711100	DF	BRASILIA	CSB 2, Lotes 1/4, Alameda Shopping	Alameda Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1

5686	SPBRE4271	-23,49650000	-46,84910000	SP	BARUERI	Al. Rio Negro, 1033 - Alphaville Shopping	Alphaville Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5089	SPMIA2859	-22,18620000	-49,96714000	SP	MARILIA	R. dos Tucunarés, 500 - Aquarius Shopping	Aquarius Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
4635	SPARC2841	-21,22200000	-50,43551000	SP	ARACATUBA	Av. Joaquim Pompeu de Toledo, 601 - Araçatuba Shopping	Araçatuba Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
25798	RSIND0525	-30,03210000	-51,23039000	RS	PORTO ALEGRE	PRACA DA MATRIZ SN	Assembleia Legislativa do Estado do Rio Grande do Sul	Public Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
17918	RJBTJ3031	-22,99740000	-43,35841000	RJ	RIO DE JANEIRO	Avenida das Américas, 4666	Barra Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
4709	SPBRU2845	-22,34230000	-49,04950000	SP	BAURU	R. Henrique Savi, 15-55 - Bauru Shopping	Bauru Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
25793	RSIND0519	-30,05010000	-51,22902780	RS	PORTO ALEGRE	AVENIDA PRAIA DE BELAS, 1181	Belas Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
13727	MGBEL4193	-19,97400000	-43,94454800	MG	BELO HORIZONTE	Rodovia BR-356, 3049 - BH Shopping	BH Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
13836	MGCEM4198	-19,94300000	-44,03991200	MG	CONTAGEM	Avenida João César de Oliveira, 1275 - Big Shopping (32260-250)	Big Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	2
6650	SPWST4067	-23,65430000	-46,70053000	SP	SAO PAULO	R. Borba Gato, 59 - Boa Vista Shopping	Boa Vista Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
16827	RJBOT2604	-22,94730000	-43,18330000	RJ	RIO DE JANEIRO	Praia de Botafogo, 400 - Botafogo Praia Shopping	Botafogo Praia Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	2
45016	DFIND0726	-15,73340000	-47,89914000	DF	BRASILIA	SETOR TERMINAL NORTE, CONJUNTO J, BOULEVARD SHOPPING	BOULEVARD SHOPPING	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
6119	SPWBF2628	-23,52660000	-46,68090000	SP	SAO PAULO	Rua Turiassú, 2100	Bourbon Shopping Pompéia	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

24393	DFIND0130	-15,78730000	-47,88880600	DF	BRASILIA	QD SCN Q 5 BL A, 0 - ASA NORTE	Brasília Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
5556	SPSVE2890	-23,96750000	-46,38360000	SP	SAO VICENTE	R. Frei Gaspar, 365 - Brisamar Shopping	Brisamar Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
4951	SPGTA2632	-22,81250000	-45,19760000	SP	GUARATIN GUETA	Av. Juscelino Kubtscheck de Oliveira, 351 - Buriti Shopping Guará	Buriti Shopping Guará	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
27674	GOIND0199	-16,74120000	-49,27594400	GO	GOIANIA	Av. Rio Verde, Qd. 102-104	Buriti Shopping Guará	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
24396	DFIND0133	-15,80200000	-47,86500000	DF	BRASILIA	Câmara dos Deputados - Praça dos Três Poderes	Câmara dos Deputados - Praça dos Três Poderes	Public Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
24085	CEFLA0400	-3,76784000	-38,49533600	CE	FORTALEZA	AV DR TOMPSON BULCÃO 830	Camara dos Vereadores	Public Building	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1
17064	RJCTO3019	-22,91040000	-43,17550000	RJ	RIO DE JANEIRO	Praça Floreano, s/n - Camara Municipal	Camara Municipal	Public Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
4761	SPCAS2846	-22,93230000	-47,07810000	SP	CAMPINAS	R. Jacy Teixeira Camargo, 940 - Campinas Center	Campinas Center	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	2
4844	SPCGT2849	-23,62430000	-45,41059000	SP	CARAGUAT ATUBA	Av. Arthur Costa Filho, 937 - Caraguá Praia Shopping	Caraguá Praia Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
27204	PRIND0394	-23,34360000	-51,18611111	PR	LONDRINA	RODOVIA CELSO GARCIA CID, S/N	Catuaí Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
50578	RJDQX3059	-22,78740000	-43,28660200	RJ	DUQUE DE CAXIAS	Rodovia Washington Luis, 2895 - Caxias Shopping	Caxias Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
53200	RJTNQ3055	-22,92490000	-43,36147300	RJ	RIO DE JANEIRO	Avenida Geremário Dantas, 402 - Center Shopping	Center Shopping	Shopping Mall	Type 3 - Shopping malls and others	3G/4G1800	PASSIVE	SISO	1
5350	SPSJC5473	-23,19940000	-45,88091667	SP	SAO JOSE DOS CAMPOS	Av. Deputado Benedito Matarazzo, 9403 - Center Vale Shopping	Center Vale Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
6759	SPWVP4227	-23,59350000	-46,58554000	SP	SAO PAULO	Av. Dr. Francisco Mesquita, 1000 - Central Plaza Shopping	Central Plaza Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

18948	CEFLA0424	-3,80637000	-38,53233333	CE	FORTALEZA	AV DR SILAS MUNGUBA, 5700	Centro Administrativo do Banco do Nordeste	Corporate Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
44517	RJBOT3027	-22,95040000	-43,18064400	RJ	RIO DE JANEIRO	Praia de Botafogo, 501 - Centro Empresarial Mourisco	Centro Empresarial Mourisco	Business Center	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
16874	RJBTJ3047	-22,98310000	-43,36490000	RJ	RIO DE JANEIRO	Av Ayrton Senna, 3000 - Via Parque - Citibank Hall	Citibank Hall	Concert Venue	Type 3 - Shopping malls and others	2G/3G/4G1800	Passive	SISO	2
73192	SPBRE0581	-23,50590000	-46,83716000	SP	BARUERI	Av Marcos P de Ulhoa Rodrigues, 939 - AZUL	Condomínio Castelo Office Park	Corporate Building	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6350	SPWJE2880	-23,54760000	-46,75700000	SP	SAO PAULO	Av. Leão Machado, 100 - Continental Shopping	Continental Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
24224	RJCTO3045	-22,90810000	-43,16976100	RJ	RIO DE JANEIRO	Av. Marechal Câmara, 314 - Defensoria Pública (DPGE)	Defensoria Pública (DPGE)	Public Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
14425	MGLUR4196	-19,92780000	-43,94688900	MG	BELO HORIZONTE	Avenida Olegário Maciel, 1600 - Diamond Mall Shopping	Diamond Mall Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	2
17123	RJDQX4007	-22,78610000	-43,31112000	RJ	DUQUE DE CAXIAS	AV GOV LEONEL DE MOURA BRIZOLA 1777	ELA Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
5090	SPMIA2860	-22,22390000	-49,93360000	SP	MARILIA	Av. Esmeraldas, 701 - Esmeralda Plaza Shopping	Esmeralda Plaza Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5390	SPSOC2891	-23,53360000	-47,46280000	SP	SOROCABA	Av. Izoraida Marques Peres, 401 - Esplanada Shopping	Esplanada Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6723	SPWVG2881	-23,51100000	-46,61230000	SP	SAO PAULO	R: José Bernardo Pinto, 333 - Expo Center Norte	Expo Center Norte	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
75354	SPWST0333	-23,62710000	-46,70197300	SP	SAO PAULO	R. Arquiteto Olavo Redig de Campos, 105 - EZ Towers – Torre A	EZ Towers – Torre A	Corporate Building	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
52895	DFBSA0747	-15,78750000	-47,90920700	DF	BRASILIA	PRAÇA MUNICIPAL, LOTE 01 FÓRUM MILTON SEBASTIÃO BARBOSA BLOCO A (TJDFT)	FÓRUM MILTON SEBASTIÃO BARBOSA BLOCO A (TJDFT)	Public Building	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

4894	SPFAC2636	-20,54800000	-47,41690000	SP	FRANCA	Av. Rio Negro, 1100 - Franca Shopping	Franca Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G	PASSIVE	SISO	1
4780	SPCAS4833	-22,86340000	-47,02280000	SP	CAMPINAS	Rodovia Dom Pedro I, Km 131,5 - Galeria Shopping	Galeria Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
4881	SPCTD2850	-21,12660000	-48,97750000	SP	CATANDUV A	Av. José Nelson Machado, 280 - Garden Catanduva Shopping	Garden Catanduva Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
25215	MTCBA0068	-15,58820000	-56,11236100	MT	CUIABA	AV. LAVA PÉS	Goiabeiras Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	2
6026	SPSNE2870	-23,64970000	-46,53150000	SP	SANTO ANDRE	Av. Industrial, 600 - Grand Plaza Shopping (Antigo ABC Plaza Shopping)	Grand Plaza Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
16815	RJBNF3050	-22,88650000	-43,28513900	RJ	RIO DE JANEIRO	Avenida Dom Hélder Câmara, 5474	Norte Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	2
14431	MGLUX6493	-19,95070000	-43,95887000	MG	BELO HORIZONTE	Rua Gentios, 1350 - Hospital Luxemburgo/Mário Penna	Hospital Luxemburgo	Hospital	Type 2 - Hospital	2G/4G1800	PASSIVE	SISO	1
44972	CEFLA0246	-3,72384000	-38,48531700	CE	FORTALEZA	Avenida Beira-Mar, No 3980	Hotel Gran Marquise	Hotel	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
23412	CEFLA0296	-3,75023000	-38,44808900	CE	FORTALEZA	Av Dioguinho, 4189	Hotel Vila Gale	Hotel	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
17469	RJNIU2623	-22,75360000	-43,45420500	RJ	NOVA IGUACU	Av Governador Roberto da Silveira, 540 - Iguaçu Top Shopping	Iguaçu Top Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
5312	SPSCL2874	-22,01770000	-47,91460000	SP	SAO CARLOS	Passeio dos Flamboyants, 200 - Iguatemi São Carlos	Iguatemi São Carlos	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
17559	RJPTG2607	-22,80180000	-43,20167900	RJ	RIO DE JANEIRO	Avenida Maestro Paulo Silva, 400	Ilha Plaza	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
5016	SPJCI2856	-23,30420000	-45,96330000	SP	JACAREI	R. Barão de Jacareí, 364 - Jacareí Shopping	Jacareí Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
5009	SPJAU2857	-22,29750000	-48,54580000	SP	JAU	Av. Dr. Quinzinho, 511 - Jaú Shopping	Jaú Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

17296	RJJCP3042	-22,97540000	-43,39050700	RJ	RIO DE JANEIRO	Avenida Embaixador Abelardo Bueno, 3401	Jeunesse Arena	Stadium	Type 1 - Stadium	2G/3G/4G2600/4G1800	Passive	SISO	2
5191	SPPGE5270	-23,99600000	-46,40744659	SP	PRAIA GRANDE	AV AYRTON SENNA DA SILVA, 1500	Litoral Plaza Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
4048	PBMAN4590	-7,09805000	-34,84499700	PB	JOAO PESSOA	Avenida Gov Flavio Ribeiro Coutinho 805/TO	Manaira Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
24125	SPWST3333	-23,62140000	-46,69962000	SP	SAO PAULO	Av. Dr. Chucris Zaidan, 902 (Market Place Offices - Torres de escritório)	Market Place Offices - Torres de escritório	Corporate Building	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6649	SPWST4066	-23,62140000	-46,69962000	SP	SAO PAULO	Av. Dr. Chucris Zaidan, 902	Market Place Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
5890	SPMAU2861	-23,66440000	-46,46070000	SP	MAUA	Av. Governador Mario Covas Junior, 01 - Mauá Plaza Shopping	Mauá Plaza Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5854	SPJAI2858	-23,16800000	-46,89205556	SP	JUNDIAI	Av. Antônio Frederico Ozanan, 6000 - Maxi Shopping Jundiaí	Maxi Shopping Jundiaí	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
19690	AMMNS3304	-3,10138000	-60,02472200	AM	MANAUS	Avenida Djalma Batista, 1661 - Millennium Shopping	Millennium Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	2
15097	MGUNI4194	-19,87460000	-43,92567200	MG	BELO HORIZONTE	Avenida Cristiano Machado, 4000 - Minas Shopping	Minas Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
24402	DFIND0139	-15,80150000	-47,86780600	DF	BRASILIA	Itamaraty - Esplanada dos Ministérios, Bloco H, Ministério das Relações Exteriores	Ministério das Relações Exteriores	Public Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
5498	SPSTS2871	-23,96680000	-46,33490000	SP	SANTOS	Av. Euclides da Cunha, 21 - Miramar Shopping	Miramar Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5900	SPMCZ2862	-23,51570000	-46,17960000	SP	MOGI DAS CRUZES	Av. Ver. Narciso Yague Guimarães, 1001 - Mogi Shopping	Mogi Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6648	SPWST4065	-23,62320000	-46,69843000	SP	SAO PAULO	AV ROQUE PETRONI JUNIOR, 1089	Morumbi Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
4474	RNCAN6201	-5,84138000	-35,21055500	RN	NATAL	Avenida Senador Salgado Filho 2234	Natal Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

18944	CEFLA0297	-3,73527000	-38,56638889	CE	FORTALEZA	Av. Bezerra de Menezes, no. 2450 (North Shopping)	North Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
5269	SPRPO2866	-21,20720000	-47,76361111	SP	RIBEIRAO PRETO	Av. Presidente Kennedy, 1500 - Novo Shopping	Novo Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
38876	SPOCO0087	-23,52930000	-46,77787000	SP	OSASCO	Rua Tenente Avelar Pires de Azevedo, 81 - Osasco Plaza Shopping	Osasco Plaza Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
4403	PERCE3244	-8,06522000	-34,87344400	PE	RECIFE	Rua Cais da Alfândega S/N	Paço Alfândega Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
72069	PESTA3052	-8,06006000	-34,87816000	PE	RECIFE	Praça da Republica, S/N	Palácio das Princesas	Public Building	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
25229	MTCBA0111	-15,57580000	-56,07147200	MT	CUIABA	AV. RUBENS DE MENDONÇA	Pantanal Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
50780	RJCGR3022	-22,92710000	-43,57512700	RJ	RIO DE JANEIRO	Estrada do Monteiro, 1200 - Park Shopping Campo Grande	Park Shopping Campo Grande	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	2
4779	SPCAS4832	-22,84680000	-47,06130000	SP	CAMPINAS	Av. Guilherme Campos, 500 - Parque Dom Pedro Shopping	Parque Dom Pedro Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
23280	SPCAS2673	-22,84680000	-47,06130000	SP	CAMPINAS	Av. Guilherme Campos, 500 - Parque Dom Pedro Shopping	Parque Dom Pedro Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
23674	PAICO2253	-1,37000000	-48,44638889	PA	BELEM	Rodovia Augusto Montenegro, 4300 (Parque Shopping Belém)	Parque Shopping Belém	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
5218	SPPPE2851	-22,12100000	-51,38540000	SP	PRESIDENT E PRUDENTE	Rua Siqueira Campos, 1545 - Parque Shopping Prudente	Parque Shopping Prudente	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
72279	ALMCO2399	-9,55989400	-35,74447500	AL	MACEIO	AV MENINO MARCELO, 3800 TABULEIRO MARTINS	Patio Maceio Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
9083	BAIGW0208	-12,99570000	-38,46727700	BA	SALVADOR	AVENIDA ANTONIO CARLOS MAGALHAES, 1034, PITUBA PARQUE CENTER	PITUBA PARQUE CENTER	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1

40725	RJGAV0727	-22,97830000	-43,23029300	RJ	RIO DE JANEIRO	Rua Vice-Governador Rúbens Berardo, 100	Planetário	Corporate Building	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
5446	SPSRR2840	-20,82790000	-49,38630000	SP	SAO JOSE DO RIO PRETO	Av. José Munia, 4775 - Plaza Avenida Shopping	Plaza Avenida Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5838	SPITU2855	-23,26420000	-47,28040000	SP	ITU	Av. Dr. Ermelindo Maffei, 1199 - Plaza Shopping Itu	Plaza Shopping Itu	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
27206	PRIND0396	-25,42470000	-49,24750000	PR	CURITIBA	RUA CAMOES, 601	Polloshop - Alto da XV	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5447	SPSRR2875	-20,81170000	-49,38147222	SP	SAO JOSE DO RIO PRETO	R. Bernardino de Campos, 2940 - Praça Shopping	Praça Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
5499	SPSTS2872	-23,97770000	-46,30950000	SP	SANTOS	R. Alexandre Martins, 80 - Praiamar Shopping	Praiamar Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
17436	RJNCT2643	-22,89510000	-43,11883300	RJ	NITEROI	Rua da Conceição, 188	Prédio Comercial	Corporate Building	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
24400	DFIND0137	-15,80850000	-47,85938900	DF	BRASILIA	SET SAFS QUADRA 4 LOTE 3, 0 - ZONA CÍVICO ADMINIST	Procuradori a Geral da República	Public Building	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	2
5219	SPPPE2865	-22,11610000	-51,40760000	SP	PRESIDENTE PRUDENTE	Av. Manoel Goulart, 2400 - Prudenshopping	Prudenshopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6784	SPWVS2253	-23,58820000	-46,75102000	SP	SAO PAULO	Rod. Raposo Tavares, Km 14,5 - Raposo Shopping (Antigo Shopping Off Price Raposo)	Raposo Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
17286	RJJB3041	-22,96060000	-43,20939000	RJ	RIO DE JANEIRO	Rua Jardim Botânico, 266 - Rede Globo	Rede Globo	Corporate Building	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1
5281	SPRPO5314	-21,21330000	-47,81638889	SP	RIBEIRAO PRETO	Av. Cel. Fernando Ferreira Leite, 1540 - Ribeirão Shopping	Ribeirão Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
17298	RJJCP3043	-22,97660000	-43,41090000	RJ	RIO DE JANEIRO	Avenida Salvador Allende, 6555	RIO CENTRO	Convention Center	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	Passive	SISO	1
73191	RJJCP3053	-22,97660000	-43,41090000	RJ	RIO DE JANEIRO	Avenida Salvador Allende, 6555 - RioCentro	RIO CENTRO	Convention Center	Type 3 - Shopping malls and others	3G/4G1800	Passive	SISO	1

50509	RJBOT3021	-22,95370000	-43,17854300	RJ	RIO DE JANEIRO	Rua Gerenal Severiano, 97 - Rio Plaza Shopping	Rio Plaza Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
5448	SPSRR2876	-20,83520000	-49,39870000	SP	SAO JOSE DO RIO PRETO	Av. Brigadeiro Faria Lima, 6363 - Riopreto Shopping Center	Riopreto Shopping Center	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
26585	SCFNS0458	-27,59050000	-48,51528000	SC	FLORIANOPOLIS	AVENIDA MADRE BENVENUTA	Shooping Iguatemi	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
14784	MGS AV4363	-19,93840000	-43,93714800	MG	BELO HORIZONTE	Rua Alagoas, 1314 - Shopping 5ª Avenida	Shopping 5ª Avenida	Shopping Mall	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1
6034	SPSNE4571	-23,66800000	-46,53336000	SP	SANTO ANDRE	Av. Pereira Barreto, 42 - Shopping ABC (Antigo Mappin ABC)	Shopping ABC	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
27591	PRCTA0869	-25,46350000	-49,29051111	PR	CURITIBA	SHOPPING ÁGUA VERDE - AVENIDA REPÚBLICA ARGENTINA, 1927	SHOPPING ÁGUA VERDE	Shopping Mall	Type 3 - Shopping malls and others	3G	PASSIVE	SISO	1
18946	CEFLA0299	-3,73333000	-38,49777778	CE	FORTALEZA	Av. Dom Luis, no. 500 (Shopping Aldeota)	Shopping Aldeota	Shopping Mall	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1
14539	MGNLA4722	-19,98620000	-43,94726000	MG	NOVA LIMA	Rua Senador Milton Campos, 115 - (Shopping Alta Vila)	Shopping Alta Vila	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6721	SPWVF4169	-23,56180000	-46,56054200	SP	SAO PAULO	Av. Regente Feijó, 1739	Shopping Anália Franco	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
16998	RJCPS3057	-21,76360000	-41,33308000	RJ	CAMPOS DOS GOYTACAZES	Av. 28 de Março, 574 - Shopping Avenida 28	Shopping Avenida 28	Shopping Mall	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1
9201	BAPOK0201	-13,00670000	-38,52452400	BA	SALVADOR	AVENIDA CENTENARIO, 2992	Shopping Barra	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
4159	PEBVT3241	-8,05990000	-34,88776400	PE	RECIFE	Rua do Giriquiti 48	Shopping Boa Vista	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
38449	SPGRS0084	-23,43410000	-46,40342000	SP	GUARULHOS	Avenida Juscelino Kubitschek de Oliveira, 5308- Shopping Bomsucesso	Shopping Bomsucesso	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

24800	GOGNA0304	-16,69500000	-49,26538900	GO	GOIANIA	Rua 9, 1855	Shopping Bougainville	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	3
45166	RJCPS3058	-21,75490000	-41,34913000	RJ	CAMPOS DOS GOYTACAZES	Rua Doutor Silvio Bastos Tavares, 330 - Shopping Boulevard Campos	Shopping Boulevard Campos	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
17668	RJSCR3028	-22,91930000	-43,25045000	RJ	RIO DE JANEIRO	Rua Barão de São Francisco, 236 - Shopping Boulevard RioShopping antigo Iguatemi	Shopping Boulevard Rio	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	3
51182	ESVVA3847	-20,39240000	-40,31804200	ES	VILA VELHA	Rodovia do Sol, Km 5000 (Shopping Boulevard Vila Velha)	Shopping Boulevard Vila Velha	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6783	SPWVS4237	-23,58440000	-46,72507000	SP	SAO PAULO	Av. Prof. Francisco Morato, 2718 - Shopping Butantã	Shopping Butantã	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
38438	SPWCL0085	-23,64950000	-46,75729000	SP	SAO PAULO	Estrada do Campo Limpo, 45 - Shopping Campo Limpo	Shopping Campo Limpo	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
44607	RSCAN0958	-29,91030000	-51,18295000	RS	CANOAS	AV GUILHERME SCHELL 6750/ TE	SHOPPING CANOAS	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
19772	PABLM2198	-1,40388000	-48,43055600	PA	BELEM	Rod. BR - 316, Km 1, s/n (Shopping Castanheira)	Shopping Castanheira	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
6230	SPWCO2634	-23,55840000	-46,65950000	SP	SAO PAULO	Av. Paulista, 2064 - Shopping Center 3	Shopping Center 3	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
44758	SPFND1291	-20,27140000	-50,23365000	SP	FERNANDO POLIS	Av. Litério Grecco, 600 - Shopping Center Fernandópolis	Shopping Center Fernandópolis	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6426	SPWLP2883	-23,52120000	-46,70080000	SP	SAO PAULO	R. Guaicurus, esquina com a Rua Catão - Shopping Center Lapa	Shopping Center Lapa	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6727	SPWVG4173	-23,51540000	-46,61786000	SP	SAO PAULO	TV CASALBUONO, 120	Shopping Center Norte	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6495	SPWPH3954	-23,52380000	-46,54694000	SP	SAO PAULO	R. Doutor João Ribeiro,304 - Shopping Center Penha	Shopping Center Penha	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

5254	SPRCO2868	-22,41200000	-47,55475833	SP	RIO CLARO	Av. Conde Francisco Matarazzo, 205 - Shopping Center Rio Claro	Shopping Center Rio Claro	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
13995	MGCTO4195	-19,92170000	-43,93989300	MG	BELO HORIZONTE	Rua Tupis, 337 - Shopping Cidade	Shopping Cidade	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
27208	PRIND0399	-25,47240000	-49,25280556	PR	CURITIBA	AVENIDA MARECHAL FLORIANO PEIXOTO, 4880	Shopping Cidade	Shopping Mall	Type 3 - Shopping malls and others	2G	PASSIVE	SISO	1
5359	SPSJC5482	-23,20570000	-45,90733333	SP	SAO JOSE DOS CAMPOS	Av. São João, 2200 - Shopping Colinas	Shopping Colinas	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
6497	SPWPI3937	-23,52020000	-46,62322000	SP	SAO PAULO	AV. CRUZEIRO DO SUL, 1100 - SHOPPING D	SHOPPING D	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6307	SPWIB3783	-23,60880000	-46,69695000	SP	SAO PAULO	Av. das Nações Unidas, 12555 - Shopping D&D	Shopping D&D	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
17180	RJGAV3036	-22,97510000	-43,22848700	RJ	RIO DE JANEIRO	Rua Marquês de São Vicente, 52 - Shopping da Gávea	Shopping da Gávea	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	2
53050	MASLS1686	-2,52753000	-44,25508800	MA	SAO LUIS	Av. Daniel de La Touche, 987	Shopping Da Ilha	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
13810	MGCAI4197	-19,88950000	-43,96797500	MG	BELO HORIZONTE	Avenida Presidente Carlos Luz, 3001 - Shopping Del Rey	Shopping Del Rey	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
6507	SPWPN3976	-23,57250000	-46,69588000	SP	SAO PAULO	Av. Rebouças, 3970	Shopping Eldorado	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
6159	SPWBV3590	-23,55390000	-46,65269000	SP	SAO PAULO	R. Frei Caneca, 569 - Shopping Frei Caneca	Shopping Frei Caneca	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
50637	SPCOA0258	-23,59220000	-46,83274000	SP	COTIA	Rodovia Raposo Tavares, km 23	Shopping Grand Vianna	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
4305	PEJBO3326	-8,16833000	-34,91888600	PE	JABOATAO DOS GUARARAPES	Avenida Barreto de Menezes 800	Shopping Guararapes	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
6459	SPWMM3912	-23,60990000	-46,66645000	SP	SAO PAULO	Av. Ibirapuera, 3103 - Shopping Ibirapuera	Shopping Ibirapuera	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1

22802	SPWMM2797	-23,60990000	-46,66645000	SP	SAO PAULO	Av. Ibirapuera, 3103 - Shopping Ibirapuera	Shopping Ibirapuera	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
18945	CEFLA0298	-3,75750000	-38,48805556	CE	FORTALEZA	Av. Washington Soares, no. 85 (Shopping Iguatemi)	Shopping Iguatemi	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	2
44442	SPWPN0266	-23,57810000	-46,68870000	SP	SAO PAULO	Rua Angelina Maffei Vita, s/nº - Shopping Iguatemi - Expansão Fase III	Shopping Iguatemi	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6508	SPWPN3977	-23,57690000	-46,68800000	SP	SAO PAULO	Av. Brig. Faria Lima, 2232	Shopping Iguatemi	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
25802	RSIND0529	-29,17660000	-51,21786000	RS	CAXIAS DO SUL	RST 453 2787 SN	SHOPPING IGUATEMI CAXIAS	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
8909	BABDA0202	-12,98130000	-38,46497222	BA	SALVADOR	AVENIDA TANCREDO NEVES, 42-152, SHOPPING IGUATEMI SALVADOR	SHOPPING IGUATEMI SALVADOR	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
6194	SPWCG3654	-23,67400000	-46,67680000	SP	SAO PAULO	AV. INTERLAGOS, 2255 - Shopping Interlagos	Shopping Interlagos	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
26628	SCIND0277	-27,58550000	-48,61470800	SC	SAO JOSE	RUA GERONCIO THIVES	Shopping Itaguaçu	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
9082	BAIGW0096	-12,99640000	-38,46382100	BA	SALVADOR	AVENIDA ANTONIO CARLOS MAGALHAES, 848, SHOPPING ITAIGARA	SHOPPING ITAIGARA	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
4652	SPARQ2842	-21,78270000	-48,20135556	SP	ARARAQUARA	Acesso Engenheiro Heitor de Souza Pinheiro, 2270 - Shopping Jaraguá	Shopping Jaraguá	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
6702	SPWVA4154	-23,63110000	-46,73585000	SP	SAO PAULO	Av. Giovanni Gronchi, 5819 - Shopping Jardim Sul	Shopping Jardim Sul	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
4923	SPGJA2852	-23,99770000	-46,25663889	SP	GUARUJA	Av. Marechal Deodoro da Fonseca, 885	Shopping La Plage	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
6724	SPWVG2884	-23,51460000	-46,61530000	SP	SAO PAULO	Av. Otto Baumgart, 500 - Shopping Lar Center	Shopping Lar Center	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

6088	SPWAC2885	-23,56590000	-46,50340000	SP	SAO PAULO	Av. Aricanduva, 5555 - Shopping Leste Aricanduva	Shopping Leste Aricanduva	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6548	SPWRE2886	-23,54660000	-46,63857000	SP	SAO PAULO	R. Coronel Xavier de Toledo, 23 - Shopping Light	Shopping Light	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
40763	SPWBS0086	-23,53640000	-46,61826000	SP	SAO PAULO	Rua Barão de Ladário, 566/670 - Shopping Mega Polo Moda	Shopping Mega Polo Moda	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
50635	ESSEA3846	-20,23970000	-40,27483900	ES	SERRA	Av. João Palácios, 300 (SHOPPING MESTRE ALVARO)	SHOPPING MESTRE ALVARO	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6676	SPWTA2887	-23,53900000	-46,57630000	SP	SAO PAULO	R. Gonçalves Crespo, 78 - Shopping Metrô Boulevard Tatuapé	Shopping Metrô Boulevard Tatuapé	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6334	SPWIT2888	-23,54070000	-46,47020000	SP	SAO PAULO	Av. José Pinheiro Borges, s/n - Shopping Metrô Itaquera	Shopping Metrô Itaquera	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6743	SPWVM4203	-23,59900000	-46,63708000	SP	SAO PAULO	Av. Domingos de Morais, 2564 - Shopping Metrô Santa Cruz	Shopping Metrô Santa Cruz	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6682	SPWTA4134	-23,54130000	-46,57633000	SP	SAO PAULO	R. Domingos Agostim, 91 - Shopping Metrô Tatuapé	Shopping Metrô Tatuapé	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
5963	SPSBO2624	-23,69310000	-46,55030000	SP	SAO BERNARDO DO CAMPO	Praça Samuel Sabatini, 200 - Shopping Metrôpole	Shopping Metrôpole	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
27593	PRIND0574	-25,43530000	-49,27459500	PR	CURITIBA	SHOPPING METROPOLITAN - PRAÇA RUI BARBOSA, S/N	SHOPPING METROPOLITAN	Shopping Mall	Type 3 - Shopping malls and others	3G	PASSIVE	SISO	1
4522	RNLSA6033	-5,81236000	-35,20513000	RN	NATAL	Avenida Bernardo Vieira 3775.Shopping Midway mall.	Shopping Midway Mall	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
17081	RJDCT3037	-22,87850000	-43,27290000	RJ	RIO DE JANEIRO	Avenida Pastor Martin Luther King Jr, 126	Shopping Nova America	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
5500	SPSTS2873	-23,96900000	-46,33270000	SP	SANTOS	Av. Ana Costa, 549 - Shopping Parque Balneário	Shopping Parque Balneário	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
19773	PABLM2199	-1,45900000	-48,49500000	PA	BELEM	Trav. Padre Eutíquio, no. 1078 (Shopping Pátio Belém)	Shopping Pátio Belém	Shopping Mall	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1

6240	SPWCO3720	-23,54210000	-46,65741000	SP	SAO PAULO	Av. Higienópolis, 618 - Shopping Pátio Higienópolis	Shopping Pátio Higienópolis	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
40604	SPSTS1165	-23,96500000	-46,33217000	SP	SANTOS	Av. Ana Costa, 465 - Shopping Pátio Iporanga	Shopping Pátio Iporanga	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6168	SPWBV3936	-23,57060000	-46,64344000	SP	SAO PAULO	R. Treze de Maio, 1947 - Shopping Pátio Paulista (Antigo Shopping Paulista)	Shopping Pátio Paulista	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
14782	MGS AV4204	-19,94030000	-43,93356000	MG	BELO HORIZONTE	Avenida do Contorno, 6061 - Shopping Pátio Savassi	Shopping Pátio Savassi	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
8877	BAASG0203	-12,98340000	-38,51294300	BA	SALVADOR	RUA CONS. JUNQUEIRA AYRES, 165/TO	Shopping Piedade	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
5140	SPPAA2864	-22,70420000	-47,65020000	SP	PIRACICABA	Av. Limeira, 722 - Shopping Piracicaba	Shopping Piracicaba	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
23302	SPLRA3541	-22,57100000	-47,40854000	SP	LIMEIRA	Rua Carlos Gomes, 1321 â€“ Centro - Shopping Plaza Limeira	Shopping Plaza Limeira	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
51022	RJMCE2672	-22,39240000	-41,80711700	RJ	MACAE	Avenida Aluizio da Silva Gomes, 800 - Shopping Plaza Macaé	Shopping Plaza Macaé	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6672	SPWSU4114	-23,61980000	-46,62783000	SP	SAO PAULO	Praça Leonor Kaupa, 100 - Shopping Plaza Sul	Shopping Plaza Sul	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
17347	RJMAD3044	-22,87250000	-43,33862000	RJ	RIO DE JANEIRO	Estrada da Portela, 99 - Shopping Polo1	Shopping Polo1	Shopping Mall	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1
25424	ROPVO3087	-8,74852000	-63,87610000	RO	PORTO VELHO	Av. Rio Madeira - Shopping Porto Velho	Shopping Porto Velho	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	3
30998	SPDDA0082	-23,69140000	-46,62315000	SP	DIADEMA	Rua Graciosa, s/n	Shopping Praça Da Moça	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
4151	PEBVG3243	-8,11721000	-34,90583100	PE	RECIFE	Rua Padre Carapeuero 777	Shopping Recife	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
19100	MASLS1547	-2,53375000	-44,22575600	MA	SAO LUIS	Av. São Luís Rei de França, no 08, bairro Turú. Shopping Rio Anil.	Shopping Rio Anil	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1

16828	RJBOT3052	-22,95710000	-43,17660000	RJ	RIO DE JANEIRO	Rua Lauro Muller, 116	Shopping Rio Sul	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
5270	SPRPO2867	-21,18160000	-47,80805556	SP	RIBEIRAO PRETO	R. São José, 933 - Shopping Santa Úrsula	Shopping Santa Úrsula	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
17755	RJSGO2908	-22,81440000	-43,07044300	RJ	SAO GONCALO	Rua Nova Jersey, s/n - Lote 1 - Shopping São Gonçalo	Shopping São Gonçalo	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
44486	MGSLA2096	-19,47500000	-44,27115000	MG	SETE LAGOAS	Rua Otávio Campelo Ribeiro, 2801 (Shopping Sete Lagoas)	Shopping Sete Lagoas	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	2
6196	SPWCG3656	-23,67730000	-46,69782000	SP	SAO PAULO	Av. das Nações Unidas, 22540 - Shopping SP Market	Shopping SP Market	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6078	SPTBS4662	-23,61270000	-46,77583000	SP	TABOAO DA SERRA	Rod. Régis Bittencourt, Km 271,5 - Shopping Taboão	Shopping Taboão	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
4409	PESAR3429	-8,03845000	-34,87177200	PE	RECIFE	Avenida Agamenon Magalhaes 153	Shopping Tacaruna	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
5675	SPBRE2844	-23,50430000	-46,83460000	SP	BARUERI	Av. Piracema, 669 - Shopping Tamboré	Shopping Tamboré	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
17643	RJRCP3029	-22,92170000	-43,23510200	RJ	RIO DE JANEIRO	Avenida Maracanã, 987 - Shopping Tijuca	Shopping Tijuca	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	2
27207	PRIND0398	-25,47860000	-49,29361111	PR	CURITIBA	RUA ITACOLOMI, 100	Shopping Total	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
50922	PAPUP2033	-6,09166000	-49,85555500	PA	PARAUAPE BAS	Rodovia PA 275, Km 55 - Shopping Unique	Shopping Unique	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
14210	MGIIIG4202	-19,49620000	-42,56532000	MG	IPATINGA	Rodovia BR-381 (Avenida Pedro Linhares Filho), Km 206 - Industrial - Shopping Vale do Aço	Shopping Vale do Aço	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
38688	SPVOS1097	-22,98160000	-47,01263000	SP	VALINHOS	Rua Paiquerê, 200 - Shopping Valinhos	Shopping Valinhos	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
16875	RJBTJ3048	-22,98200000	-43,36177800	RJ	RIO DE JANEIRO	Avenida Ayrton Senna, 3000 - Shopping Via Parque	Shopping Via Parque	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1

50781	RJBTJ3023	-22,99870000	-43,35119300	RJ	RIO DE JANEIRO	Avenida das Américas, 3900	Shopping Village Mall	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
6104	SPWAP3569	-23,55010000	-46,72125000	SP	SAO PAULO	Av. das Nações Unidas, 4777 - Shopping Villa-Lobos	Shopping Villa-Lobos	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
16692	ESVTA3811	-20,31230000	-40,28709300	ES	VITORIA	Avenida Nossa Senhora dos Navegantes, 1440 - Shopping Vitória	Shopping Vitória	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	2
6125	SPWBF3584	-23,52650000	-46,67356000	SP	SAO PAULO	Av. Antártica, 380 - Shopping West Plaza	Shopping West Plaza	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
44677	RJVRD2280	-22,51660000	-44,10704300	RJ	VOLTA REDONDA	Rua Brás Magaldi Fernandes, 300	Sider Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G	PASSIVE	SISO	1
5391	SPSOC2892	-23,49620000	-47,46760000	SP	SOROCABA	Av. Afonso Vergueiro, 1700/1766 - Sorocaba Shopping	Sorocaba Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
5923	SPOCO2640	-23,53580000	-46,77110000	SP	OSASCO	Av. dos Autonomistas, 1828 - Super Shopping Osasco	Super Shopping Osasco	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
27594	PRCTA0576	-25,45370000	-49,28855600	PR	CURITIBA	Supermercado Angeloni - Avenida República Argentina,	Supermerca do Angeloni	Supermarke t	Type 3 - Shopping malls and others	3G	PASSIVE	SISO	1
6066	SPSZN2893	-23,54330000	-46,31850000	SP	SUZANO	R. Sete de Setembro, 555 - Suzano Shopping	Suzano Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
24394	DFIND0131	-15,84100000	-48,04519400	DF	BRASILIA	Rua 210, QS 1, Lt. 40	Taguatinga Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
5585	SPTTE2894	-23,02480000	-45,58230000	SP	TAUBATE	Av. Charles Schneider, 1700 - Taubaté Shopping	Taubaté Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
50759	DFIND0744	-15,80530000	-47,86264000	DF	BRASILIA	SET SAFS QD 4 LT 1, 0 ZONA CÍVICO ADMINIST	TCU - Tribunal de Contas da União (Anexo III)	Public Building	Type 3 - Shopping malls and others	2G/3G/4G2600/4G1800	PASSIVE	SISO	1
5489	SPSTB2869	-22,74890000	-47,36770000	SP	SANTA BARBARA DOESTE	Av. Santa Bárbara, 777 - Tívoli Shopping	Tívoli Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
45106	RJBOT3026	-22,95690000	-43,17602800	RJ	RIO DE JANEIRO	Rua Lauro Muller, 116 - Torre do Rio Sul -	Torre do Rio Sul	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	2

						Complexo do RioSul (Shopping)							
6643	SPWST2854	-23,64830000	-46,71870000	SP	SAO PAULO	Avenida Dr. Mário Villas Boas Rodrigues, 387 - Transamérica Expo Center	Transamérica Expo Center	Convention Center	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
17063	RJCTO3033	-22,90450000	-43,17360000	RJ	RIO DE JANEIRO	Rua Dom Manoel, s/n - Tribunal de Justiça do Estado	Tribunal de Justiça do Estado	Public Building	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1
14819	MGSER4079	-19,94440000	-43,92228000	MG	BELO HORIZONTE	Avenida Afonso Pena, 4001	Tribunal de Justiça do Estado de Minas Gerais	Public Building	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
19113	MASLS0564	-2,52810000	-44,30570000	MA	SAO LUIS	Praça Pedro II s/n	Tribunal de Justiça do Maranhão	Public Building	Type 3 - Shopping malls and others	2G/4G1800	PASSIVE	SISO	1
6461	SPWMM3914	-23,58720000	-46,65850000	SP	SAO PAULO	Túnel Ayrton Senna / Av. Vinte e Três de Maio - Av. Antonio Joaquim de Moura Andrade	Túnel Ayrton Senna	Tunnel	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
6296	SPWIB3772	-23,59050000	-46,68970000	SP	SAO PAULO	Túnel Janio Quadros / Av. Presidente Juscelino Kubitscheck, s/n	Túnel Janio Quadros	Tunnel	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1
15035	MGULA4250	-18,91070000	-48,25880000	MG	UBERLANDIA	Avenida João Naves de Ávila, 1331 - Uberlândia Center Shopping	Uberlândia Center Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
24407	DFIND0144	-15,76080000	-47,87050000	DF	BRASILIA	CPU DARCY RIBEIRO, 0 - ASA NORTE	Universidade de Brasília	Public Building	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	3
5331	SPSJC2877	-23,21690000	-45,89305556	SP	SAO JOSE DOS CAMPOS	Av. Andrômeda, 227 - Vale Sul Shopping	Vale Sul Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G2600	PASSIVE	SISO	1
45169	RJIRJ3062	-22,82300000	-43,31977900	RJ	RIO DE JANEIRO	Rua Itapera, Trevo das Margaridas - Via Brasil Shopping	Via Brasil Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	2
73212	CEFLA0920	-3,79479000	-38,47961500	CE	FORTALEZA	Av. Washington Soares, 4335	Via Sul Shopping	Shopping Mall	Type 3 - Shopping malls and others	2G/3G/4G1800	PASSIVE	SISO	1
6309	SPWIB3785	-23,60860000	-46,69703000	SP	SAO PAULO	Av. das Nações Unidas, 12551 - World Trade Center São Paulo	World Trade Center São Paulo	Corporate Building	Type 3 - Shopping malls and others	2G/3G	PASSIVE	SISO	1

24401	DFIND0138	-15,80250000	-47,86238900	DF	BRASILIA	PÇA TRES PODERESLOTE ÚNICO, 0 - ZONA CÍVICO ADMINIST	ZONA CÍVICO ADMINIST	Public Building	Type 3 - Shopping malls and others	2G/3G/4G260 0	PASSIVE	SISO	2
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