

Key parameters					
Operator	No	Name and type of radio equipment	Communication standard	Band	Quantity
#001	1	SpaceX Starlink satellite internet terminals	starlink		2
#002	2	SpaceX Starlink satellite internet terminals	starlink		3
#020	3	SpaceX Starlink satellite internet terminals	starlink		1
#006	4	SpaceX Starlink satellite internet terminals	starlink		15
#021	4	SpaceX Starlink satellite internet terminals	starlink		2
#021	5	SpaceX Starlink satellite internet terminals	starlink		2
#005	6	Point-to-Point Backhaul & Point-to-Multipoint Client Radio (access point)	PTP & PTMP	5 GHz	2
#005	7	Router BOARD Radio (access point)	PTP & PTMP	5 GHz	2
#008	8	Router BOARD Radio (access point) 27 dBm/16 dBi	PTP & PTMP	5 GHz	3
#010	9	Router BOARD Radio (access point) 23 dBm/25 dBi	PTP & PTMP	5 GHz	2
#013	10	Wi-Fi AP indoor	Wi-Fi	2,4 GHz/5 GHz	263
#013	11	Wi-Fi AP indoor	Wi-Fi	2,4 GHz/5 GHz	6
#017	12	Point-to-Point Backhaul & Point-to-	Wi-Fi	2,4 GHz	5
#017	13	Sector antenna	Wi-Fi	2,4 GHz	5
#017	14	Point-to-Point Backhaul & Point-to-	Wi-Fi	5 GHz	4
#017	15	Sector antenna	Wi-Fi	5 GHz	4
#017	16	Point-to-Point Backhaul & Point-to-Multipoint Client Radio (access	Wi-Fi	2,4 GHz	5
#017	17	Point-to-Point Backhaul & Point-to-Multipoint Client Radio (access	Wi-Fi	5 GHz	4
#018	18	Point-to-Point Backhaul & Point-to-Multipoint Client Radio (access	Wi-Fi	5 GHz	2
#018	19	Point-to-Point Backhaul & Point-to-Multipoint Client Radio (access	Wi-Fi	5 GHz	2

#018	20	Point-to-Point Backhaul & Point-to-Multipoint Client Radio (access	Wi-Fi	5 GHz	2
#006	21	Ericsson Board Baseband 6318	LTE		50
#006	22	Ericsson Utilization package for Baseband 5216	LTE		150
#006	23	Ericsson Rail bracket	LTE		50
#006	24	Ericsson Rail 180 mm	LTE		50
#006	25	Ericsson Pole bracket	LTE		50
#006	26	Ericsson Earthing cable, 16mm2, 2m black	LTE		100
#006	27	Ericsson Converter Power 6302 for 3 DC-conn.	LTE		100
#006	28	Ericsson Earthing cable, 16mm2, 2m black	LTE		100
#006	29	Ericsson Rail bracket	LTE		100
#006	30	Ericsson Rail 180 mm	LTE		100
#006	31	Ericsson Pole bracket	LTE		100
#006	32	Ericsson Transceiver Radio 2212 B8	LTE	900 MHz	150
#006	33	Ericsson Circular power cable connector	LTE		150
#006	34	Ericsson Pole bracket	LTE		150
#006	35	Ericsson Rail 180 mm	LTE		150
#006	36	Ericsson Rail bracket	LTE		150
#006	37	Ericsson OPTICAL TRANSCEIVER/TRX SM CPRI 614.4-	LTE		300
#006	38	Ericsson Earthing cable, 16mm2, 2m angled	LTE		150
#006	39	Ericsson Patchcord, 2F LC(FullAXS)-LC SM, 70m	LTE		150
#006	40	Ericsson Jumper cable 4.3-10(m) to 7-16(m), 5m	LTE		300
#006	41	Ericsson Jumper cable 4.3-10(m) to 4.3-10(m), 5m	LTE		300
#006	42	Ericsson HWAC for output power with step 20W	LTE		1050
#006	43	Ericsson HWAC for Cell Carrier with step 5MHz	LTE		150
#006	44	Ericsson Transceiver Radio 2219 B3 with 20W HWAC	LTE	1800 MHz	150
#006	45	Ericsson Circular power cable connector	LTE		150

#006	46	Ericsson Pole bracket	LTE		150
#006	47	Ericsson Rail 180 mm	LTE		150
#006	48	Ericsson Rail bracket	LTE		150
#006	49	Ericsson OPTICAL TRANSCEIVER/TRX SM CPRI 614.4- 24	LTE		300
#006	50	Ericsson HWAC for output power with step 20W	LTE		1050
#006	51	Ericsson Earthing cable, 16mm2, 2m angled	LTE		150
#006	52	Ericsson Patchcord, 2F LC(FullAXS)- LC SM, 70m	LTE		300
#006	53	Ericsson Jumper cable 4.3-10(m) to 7-16(m), 5m	LTE		300
#006	54	Ericsson Jumper cable 4.3-10(m) to 4.3-10(m), 5m	LTE		300
#006	55	Ericsson Power Cable, 2x6 mm2, 200 m	LTE		150
#006	56	Ericsson Cable AISG	LTE		300
#006	57	Ericsson Outdoor Tie Strap 50	radio relay		100
#006	58	Ericsson M-L 6366/4 Config 1	radio relay		50
#006	59	Ericsson M8, 16mm2, Black, 2m	radio relay		200
#006	60	Ericsson RL OCTIS LC SM, 50m	radio relay		100
#006	61	Ericsson OPTICAL TRANSCEIVER/TRX SM CPRI 614.4-	radio relay		100
#006	62	Ericsson Earthing Kit, Radio Cable 7.6mm	radio relay		50
#006	63	Ericsson RL OCTIS DC 1.5-4 mm2 fieldinst.	radio relay		50
#006	64	Ericsson TFL252503/2, 50M	radio relay		50
#006	65	Ericsson Advanced Ethernet - M-L 6366	radio relay		50
#006	66	Ericsson Base Package M-L 6366/1	radio relay		50
#006	67	Ericsson M-L 6366 Enable Eth port	radio relay		100
#006	68	Ericsson O&M Usability - M-L 6366	radio relay		50
#006	69	Ericsson Cap Booster - M-L 6366	radio relay		50
#006	70	Ericsson 1588 sync M-L 6366	radio relay		50

#006	71	Ericsson M-L 6366 Cap to 250 Mbps	radio relay		50
#006	72	Ericsson Freq opt - M-L 6366	radio relay		50
#006	73	Ericsson Energy Eff - M-L 6366	radio relay		50
#006	74	Ericsson M-L 6366 TX HP	radio relay		50
#006	75	Ericsson Protected RL - M-L 6366	radio relay		50
#006	76	Ericsson Radio cable, 500m	radio relay		15
#006	77	Ericsson STATION RADIO CABLE	radio relay		50
#006	78	Ericsson Kit Connector N-male	radio relay		50
#006	79	Ericsson MINI-LINK 6363 7/33L	radio relay	7 GHz	6
#006	80	Ericsson MINI-LINK 6363 7/33H	radio relay	7 GHz	6
#006	81	Ericsson MINI-LINK 6363 7/31L	radio relay	7 GHz	2
#006	82	Ericsson MINI-LINK 6363 7/31H	radio relay	7 GHz	2
#006	83	Ericsson MINI-LINK 6363 7/32L	radio relay	7 GHz	2
#006	84	Ericsson MINI-LINK 6363 7/32H	radio relay	7 GHz	2
#006	85	Ericsson MINI-LINK 6363 15/11L	radio relay	15 GHz	8
#006	86	Ericsson MINI-LINK 6363 15/11H	radio relay	15 GHz	8
#006	87	Ericsson MINI-LINK 6363 15/13L	radio relay	15 GHz	2
#006	88	Ericsson MINI-LINK 6363 15/13H	radio relay	15 GHz	2
#006	89	Ericsson MINI-LINK 6363 18/13L	radio relay	18 GHz	10
#006	90	Ericsson MINI-LINK 6363 18/13H	radio relay	18 GHz	10
#006	91	Ericsson MINI-LINK 6363 23/02L	radio relay	23 GHz	10
#006	92	Ericsson MINI-LINK 6363 23/02H	radio relay	23 GHz	10
#006	93	Ericsson MINI-LINK 6363 32/11L	radio relay	32 GHz	10
#006	94	Ericsson MINI-LINK 6363 32/11H	radio relay	32 GHz	10
#006	95	Ericsson ANT3 C 0.6 7/8 HPX	radio relay		16
#006	96	Ericsson ANT3 C 0.9 7/8 HPX	radio relay		4

#006	97	Ericsson ANT3 C 0.6 15 HPX	radio relay		16
#006	98	Ericsson ANT3 C 0.9 15 HPX	radio relay		4
#006	99	Ericsson ANT3 C 0.3 18 HPX	radio relay		4
#006	100	Ericsson ANT3 C 0.6 18 HPX	radio relay		16
#006	101	Ericsson ANT3 C 0.3 23 HPX	radio relay		16
#006	102	Ericsson ANT3 C 0.6 23 HPX	radio relay		4
#006	103	Ericsson ANTENNA ANT3 B 0.3 32 HPX	radio relay		20
#006	104	Ericsson MMU 1002	radio relay		50
#006	105	Ericsson Weather Prot3	radio relay		100
#006	172	Ericsson Radio 4418 B40 , - 48VDC,20W HWAC incl,	LTE	2300 MHz	30
#006	173	Ericsson Circular Power Connector 2-pos 2,5-16mm2 DC-C (2 wire)	LTE		30
#006	174	Ericsson GPS Mount, Steel	LTE		20
#006	175	Ericsson Signal Cable, RJ45-RJ45	LTE		40
#006	176	Ericsson Earthing cable, 16mm2, 2m black	LTE		40
#006	177	Ericsson Surge arrestor GPS	LTE		20
#006	178	Ericsson GPS RF jumper N(f)-SMA(m) 1,5m	LTE		20
#006	179	Ericsson Commscope, N (m), 1/2"	LTE		40
#006	180	Ericsson Robust GNSS active antenna	LTE		20
#006	181	Ericsson GPS RF jumper, N male - N male, 6 mm, 1 m	LTE		20
#006	182	Ericsson GRU 04 01; GNSS Receiver Unit	LTE		20
#006	183	Ericsson feeder 1/2", fire retardant, 500m drum	LTE		3
#006	184	Ericsson SFP+ SM 10,3Gb/s 1,4km 1310nm	LTE		60
#006	185	Ericsson 2F LC(FullAXS)-LC SM, 50 m	LTE		30
#006	186	Ericsson Rail bracket	LTE		30
#006	187	Ericsson 16mm2, GNYE, 5m, 1 lug with 2 M6 holes, angle 90	LTE		30

#006	188	Ericsson Rail 180mm	LTE		30
#006	189	Ericsson Pole bracket	LTE		30
#006	190	Ericsson 2x10mm2 DC Power Cable	LTE		3
#006	191	Ericsson Rosenberger 1/2" jumper	LTE		120
#006	204	Ericsson Fan Tray, Router 6471	LTE		15
#006	205	Ericsson Router 6471/2 DC System	LTE		15
#006	206	Ericsson 19" Hosting Shelf for 6471	LTE		15
#006	207	Ericsson SFP CPRI & 1000BASE-LX	LTE		30
#006	208	Ericsson USB A/RJ45 9 WIRE RS232	LTE		15
#006	209	Ericsson Grounding cable 1M	LTE		15
#006	210	Ericsson Power cable	LTE		30
#006	211	Ericsson R6K ToD Cable for GNSS	LTE		15
#006	212	Ericsson Blank Panel for hosting	LTE		15
#006	213	Ericsson GRU 04 01; GNSS Receiver	LTE		15
#006	214	Ericsson GPS RF jumper N(f)-	LTE		15
#006	215	Ericsson Earthing cable, 16mm2,	LTE		30
#006	216	Ericsson 1/4inch N-Connector (m)	LTE		30
#006	217	Ericsson Signal Cable (Use SP-RPM	LTE		15
#006	218	Ericsson 1/4inch Feeder cable,	LTE		2
#006	219	Ericsson Robust GNSS active	LTE		15
#006	220	Ericsson 1/4inch grounding kit, Alu	LTE		15
#019	392	Base Station Expansion Module	GSM/UMTS/LTE		36
#019	393	Base Station Expansion Module	GSM/UMTS/LTE		1
#019	394	Base Station Expansion Module	GSM/UMTS/LTE		60
#019	395	Base Station radio module	GSM/UMTS/LTE	900 MHz	24
#019	396	Base Station System Module	GSM/UMTS/LTE		110
#019	397	Base Station radio module	GSM/UMTS/LTE	2100 MHz	23
#019	398	Base Station radio module	GSM/UMTS/LTE	2100 MHz	10
#019	399	Base Station radio module	GSM/UMTS/LTE	2100 MHz	35
#019	400	Base Station radio module	GSM/UMTS/LTE	2600 MHz	30
#019	401	Base Station radio module	GSM/UMTS/LTE	2600 MHz	15
#019	402	Base Station radio module	GSM/UMTS/LTE	900 MHz	40
#019	403	Base Station radio module	GSM/UMTS/LTE	1800 MHz	50
#019	404	Base Station radio module	GSM/UMTS/LTE	1800 MHz	70
#019	405	Base Station radio module	GSM/UMTS/LTE	1800 MHz	50
#019	406	Base Station System Module	GSM/UMTS/LTE		70
#019	407	Base Station radio module	GSM/UMTS/LTE		1
#019	408	Base Station radio module	GSM/UMTS/LTE	1800	1
#019	409	Base Station radio module	GSM/UMTS/LTE	2600 MHz	14
#019	410	Base Station System Module	GSM/UMTS/LTE		30
#019	411	Base Station Expansion Module	GSM/UMTS/LTE		165
#019	412	Base Station Expansion Module	GSM/UMTS/LTE		12
#019	413	Base Station Expansion Module	GSM/UMTS/LTE		267
#019	414	Base Station radio module	GSM/UMTS/LTE	1800 MHz	4
#019	415	Base Station radio module	GSM/UMTS/LTE	1800 MHz	2
#019	416	Base Station Interface Board	GSM/UMTS/LTE		9

#019	417	Base Station System Module	GSM/UMTS/LTE		265
#019	418	Base Station radio module	GSM/UMTS/LTE	2100 MHz	2
#019	419	Base Station radio	GSM/UMTS/LTE	2100 MHz	96
#019	420	Base Station radio module	GSM/UMTS/LTE	2100 MHz	20
#019	421	Base Station radio module	GSM/UMTS/LTE	2100 MHz	25
#019	422	Base Station radio module	GSM/UMTS/LTE	2600 MHz	4
#019	423	Base Station radio module	GSM/UMTS/LTE	2600 MHz	40
#019	424	Base Station radio module	GSM/UMTS/LTE	2600 MHz	100
#019	425	Base Station radio module	GSM/UMTS/LTE	2100 MHz	7
#019	426	Base Station radio module	GSM/UMTS/LTE	900 MHz	110
#019	427	Base Station radio module	GSM/UMTS/LTE	1800 MHz	480
#019	428	Base Station radio module	GSM/UMTS/LTE	1800 MHz	2
#019	429	Base Station radio module	GSM/UMTS/LTE	2600 MHz	2
#019	430	Base Station Expansion Module	GSM/UMTS/LTE		12
#019	431	Base Station Expansion Module	GSM/UMTS/LTE		36
#019	432	Base Station radio module	GSM/UMTS/LTE	900 MHz	12
#019	433	Base Station System Module	GSM/UMTS/LTE		36
#019	434	Base Station radio module	GSM/UMTS/LTE	2100 MHz	6
#019	435	Base Station radio module	GSM/UMTS/LTE	2100 MHz	4
#019	436	Base Station radio module	GSM/UMTS/LTE	2100 MHz	10
#019	437	Base Station radio module	GSM/UMTS/LTE	2600 MHz	5
#019	438	Base Station radio module	GSM/UMTS/LTE	2600 MHz	3
#019	439	Base Station radio module	GSM/UMTS/LTE	900 MHz	30
#019	440	Base Station radio module	GSM/UMTS/LTE	1800 MHz	14
#019	441	Base Station radio module	GSM/UMTS/LTE	1800 MHz	20
#019	442	Base Station radio module (NSN_FXEF)	GSM/UMTS/LTE	1800 MHz	18
#019	445	Antenna Mobi MB3F/2600-65- 17/17.5DDE-DF-IN	GSM/UMTS/LTE		300
#019	446	Antenna Tongyu TDT-172718DEI- 65Fv03	GSM/UMTS/LTE		300
#019	447	Antenna Rosenberger GD-21	GSM/UMTS/LTE		100
#019	448	Antenna RFS APXVLL13S-C-A20	GSM/UMTS/LTE		200
#019	449	Antenna MOBI MB3BH/MF-65-	GSM/UMTS/LTE		200
#019	450	Antenna всенаправл индор MIMO2x2,4.3-10f	GSM/UMTS/LTE		100
#019	451	Antenna Rosenberger 2WC-21S	GSM/UMTS/LTE		50
#019	452	Antenna Rosenberger GWD-21	GSM/UMTS/LTE		50
#019	453	Antenna Comba ODI-065R17M18J- GQ	GSM/UMTS/LTE		50
#019	454	Antenna Rosenberger G33E-21	GSM/UMTS/LTE		50
#019	460	Complete MW system Ericsson	radio relay	18 GHz	30
#019	461	Complete MW system Ericsson Mini-Link (ODU ML6363 7HGz +	radio relay	7 GHz	10

#019	462	Complete MW system Ericsson Mini-Link (ODU ML6363 38HGz +	radio relay	38 GHz	20
#019	463	CABLE/RADIO CABLE, 10 MM REEL	radio relay	7-38 GHz	100
#019	464	Connector N-male 10mm cable	radio relay	7-38 GHz	600
#019	465	EARTHING SET/FOR CABLE D=10MM	radio relay	7-38 GHz	2000
#019	466	Outdoor Tie Strap 50	radio relay	7-38 GHz	1700
#019	467	Connector DC 2.5mm2 Female x2	radio relay	7-38 GHz	300
#019	468	Power cable 2x2.5mm	radio relay	7-38 GHz	2000
#024	469	Antennas with increased gain VEGA-Highest Gain for Targeted		805-960 MHz 1710-2170	4
MVO	469	Mobile container for Cellular base stations GSM900/1800,			60
#024	470	Antennas with high gain VEGA-Highest Gain for Targeted Coverage	mobile	805-960 MHz 1710-2170	4
#024	470	Reapeters Cel-Fi PRO Nextivity		Bands 1/3/7/8	200
#024	471	Reapeters, bands 1/3/7/8 (Cel-Fi PRO Nextivity or similar)	UMTS	bands 1/3/7/8	200
#024	472	3G coverage, Bands 1, 3, 8, (Transport: IPsec, Over public	UMTS/LTE	Bands 1, 3, 8	200
#024	473	Dual Beam Antennas 690-960 MHz	mobile	690-960 MHz (Dual-beam)	600
#025	473	Parabolic antenna with diameter of 2,4 meters and more, circular polarisation			1
#025	474	BUC/transceivers with a TX power of 100 watts or more			1
MVO	474	Reapeters, bands 1/3/7/8 (Cel-Fi PRO Nextivity or similar)	UMTS	bands 1/3/7/8	400
#025	475	DVD modulator, or satellite modem with RF interface compatible with BUC/transceiver			1
MVO	475	Pico base stations for building local 3G coverage, Bands 1, 3, 8,	UMTS/LTE	Bands 1, 3, 8	400
#006	476	VEGA-CC12-WB	2G/4G		10
#025	476	Antenna controller with setting up of Az, El and Pol parameters is a big			1
#006	477	VEGA-CP12-WB	2G/3G/4G		10
#006	477	VEGA-CC12-WB	2G/4G		10
#006	478	VEGA-CPM12-WB	2G/3G/4G		10
#006	479	VEGA-CPM12-WB	2G/3G/4G		10

#028	480	Radio relay station		70/80 GHz	1
#028	481	Radio relay station		70/80 GHz	3
#028	482	Broadband access	WiFi	5 GHz	3
#029	483	Broadband access	WiFi		60