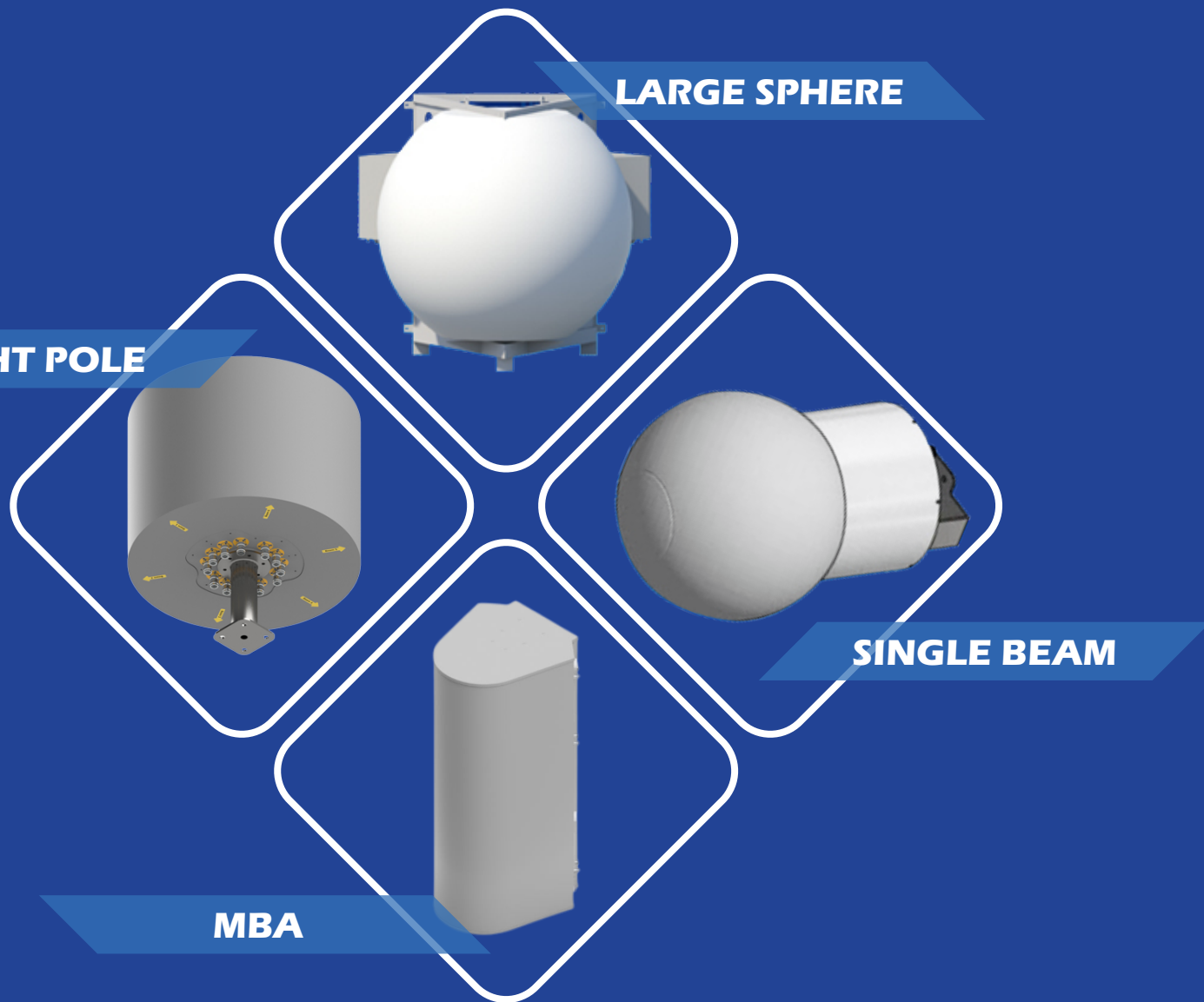


MATSING PRODUCTS MECHANICAL COMPARISON GUIDE 2023



Rev4_02062024

MBA MODELS: SINGLE BAND ANTENNAS

Model #	Frequency	Beams	Dimensions in cm & inches	Weight in kg & lbs	Application
MS-12C90	3700 - 4200 MHz	12	105.4 x 113.7 x 109.9 cm 41.5 x 44.8 x 43.3 inch	61.65 kg 135.5 lbs	Venues, Macro
MS-12C45	3700 - 4200 MHz	12	61.7 x 78.9 x 69.3 cm 24.3 x 31.1 x 27.3 inch	22.28 kg 49.1 lbs	Venues, Macro
MS-6C45	3700 - 4200 MHz	6	61.7 x 72.8 x 67.8 cm 24.3 x 28.7 x 26.7 inch	35 kg 77 lbs	Venues, Macro
MS-MBA-3-C4A3	3700 - 4200 MHz	3	118.8 x 29.4 x 37 cm 46.8 x 11.6 x 14.6 inch	19.46 kg 42.9 lbs	Macro
MS-MBA-3-F4A3	3300 - 4200 MHz	3	118.8 x 29.4 x 37 cm 46.8 x 11.6 x 14.6 inch	15 kg 33 lbs	Macro
MS-MBA-3-F4	3300 - 4200 MHz	3	61 x 41 x 38 cm 24 x 16 x 15 inch	9 kg 20 lbs	Macro
MS-MBA-3-F2	3300 - 4200 MHz	3	36.8 x 36 x 46.7 cm 14.5 x 14.2 x 18.4 inch	6 kg 13 lbs	Macro
MS-MBA-3-H4	1695 – 2690 MHz	3	89.9 x 61.7 x 68.3 cm 35.4 x 24.3 x 26.9 inch	32.04 kg 70.6 lbs	Macro
MS-MBA-8	1710 -2690 MHz	3	163.8 x 61.7 x 68.3 cm 64.5 x 24.3 x 26.9 inch	48.4 kg 106.7 lbs	Macro
MS-MBA-2	1695 – 2690 MHz	3	52.5 x 60.7 x 67.8 cm 20.7 x 23.9 x 26.7 inch	21.28 kg 46.9 lbs	Macro
MS-MBA-2-L4	698 – 960 MHz	2	112.2 x 61.7 x 72.1 cm 44.2 x 24.3 x 28.4 inch	37.8 kg 83.3 lbs	Macro
MS-MBA-3-L4A2	698 – 960 MHz	3	241.8 x 93.4 x 108.4 cm 95.2 x 36.8 x 42.7 inch	95 kg 209.4 lbs	Macro
MS-MBA-2-L2	698 – 960 MHz	2	63.7 x 61.2 x 71.8 cm 25.1 x 24.1 x 28.3 inch	25.86 kg 57 lbs	Macro
MS-MBA-4.4-SH2-SH2	2.3 – 2.4 GHz 3.4 – 3.6 GHz	8	90 x 62 x 60 cm 35 x 24 x 24 inch	32 kg 71 lbs	Macro, FWA
MS-MBA-4.4-SH2-SH2-45	2.3 – 2.4 GHz 3.4 – 3.6 GHz	8	110 x 62 x 72 cm 43.4 x 24.3 x 28.4 inch	38 kg 84 lbs	Macro, FWA
MS-MBA-2-T2	617 – 896 MHz	2	64 x 61 x 64 cm 25 x 24 x 25 inch	26 kg 57 lbs	Macro
MS-MBA-2 [MS-MBA-3-H2]	1695 – 2690 MHz	3	52.5 x 60.7 x 67.8 cm 20.7 x 23.9 x 26.7 inch	21.2 kg 46.9 lbs	Macro
MS-MBA-2-L4A2	698 – 960 MHz	2	177.8 x 61.7 x 72 cm 70 x 24.3 x 28.4 inch	59 kg 130lbs	Macro
MS-MBA-3-H4-12	1695 – 2690 MHz	3	130 x 55 x 50 cm 51 x 21.6 x 19.7 inch	35 kg 77 lbs	Macro
MS-MBA-3-H8 (MS-MBA-8)	1710 – 2690 MHz	3	163 .8 x 61.7 x 68.3 cm 64.5 x 24.3 x 26.9 inch	48.4 kg 106.7 lbs	Macro

MBA MODELS: SINGLE BAND ANTENNAS

Model #	Frequency	Beams	Dimensions in cm & inches	Weight in kg & lbs	Application
MS-MBA-3-H8A2	1695 – 2690 MHz	3	241.8 x 61.7 x 68.3 cm 95.2 x 24.3 x 26.9 inch	82 kg 181 lbs	Macro
MS-MBA-4-B4	3500–3700 MHz	4	50 x 36 x 36 cm 20 x 14 x14 inch	14 kg 31 lbs	Macro
MS-MBA-4-F2	3300–4200 MHz	4	50 x 36 x 36 cm 20 x 14 x14 inch	14 kg 31 lbs	Macro
MS-MBA-4-H2	1695 – 2690 MHz	4	60 x 61 x 66 cm 23.5 x 24 x 26 inch	26 kg 57 lbs	Macro
MS-MBA-4-H4	1695 – 2690 MHz	4	110 x 61 x 66 cm 43 x 24 x 26 inch	35 kg 77 lbs	Macro
MS-MBA-6-F4	3300–4200 MHz	6	130 x 91 x 91cm 51x 36 x 36 inch	60 kg 132lbs	Macro
MS-MBA-6-H4	1695 – 2690 MHz	6	130 x 91 x 91cm 51x 36 x 36 inch	60 kg 132lbs	Macro
MS-MBA-7-C2	3700–4200 MHz	7	63 x 62 x 72 cm 24.8 x 24.3 x 28.5 inch	32 kg 71 lbs	Macro

MBA MODELS: DUAL BAND ANTENNAS

MS-MBA-3.2-H2-L2	1695-2690 MHz 698-960 MHz	3/2	94 x 61 x 66 cm 37 x 24 x 26 inch	35 kg 77 lbs	Macro
MS-MBA-3.2-H8-L4	1695-2690 MHz 698-960 MHz	3/2	243.8 x 61.2 x 71.8 cm 96 x 24.1 x 28.3 inch	79.16 kg 174.5 lbs	Macro
MS-MBA-4.2-H2-L2	1695-2690 MHz 698-960 MHz	4/2	109.7 x 61.7 x 72.3 cm 43.2 x 24.3 x 28.5 inch	35.2 kg 77.7 lbs	Macro
MS-MBA-6.3-H4-L2	1695-2690 MHz 698-960 MHz	6/3	244 x 91 x 91 cm 96 x 36 x 36 inch	100 kg 220 lbs	Macro
MS-MBA-6.3-H4-L4	1695-2690 MHz 698-960 MHz	6/3	244 x 91 x91cm 96 x 36 x 36 inch	130 kg 287 lbs	Macro
MS-MBA-6.3-H4-T2	1695-2690 MHz 617-896 MHz	6/3	244 x 91 x91cm 96 x 36 x 36 inch	100 kg 220 lbs	Macro
MS-MBA-6.3-H4-T4	1695-2690 MHz 617-896 MHz	6/3	244 x 91 x91 cm 96 x 36 x 36 inch	130 kg 287 lbs	Macro
MS-MBA-6.6-F4-H4	3300 – 4200 MHz 1695 – 2690 MHz	6/6	190 x 93.4 x 108.4 cm 74.8 x 36.8 x 42.7 inch	75 kg 165 lbs	Macro
MS-MBA-3.3-C4A3-H4A2-I	3700 – 4200 MHz 1695 – 2690 MHz	3/3	210.8 x 61.7 x 68.3 cm 83 x 24.3 x 26.9 inch	68 kg 150 lbs	Macro
MS-MBA-3.3-F4A3-H4A2	3300 – 4200 MHz 1695 – 2690 MHz	3/3	207 x 61 x 60 cm 81.5 x 24 x 23.5 inch	60 kg 132 lbs	Macro
MS-MBA-4.2-H4-9-L4-16	1695 – 2690 MHz 698 – 960 MHz	4/2	232 x 61.7 x 72.3 cm 91x 24.3 x 28.5 inch	80 kg 176lbs	Macro

MBA MODELS: DUAL BAND ANTENNAS

Model #	Frequency	Beams	Dimensions in cm & inches	Weight in kg & lbs	Application
MS-MBA-4.4-SH2-SH2-45M	2300 – 2400 MHz 3400 – 3600 MHz	8	110.2 x 61.7 x 72 cm 43.4 x 24.3 x 28.4 inch	38 kg 84 lbs	Macro
MS-MBA-6.6-F2-F2-45M	3400 – 4000 MHz	12	110 x 62 x 72 cm 43.4 x 24.3 x 28.4 inch	32 kg 71 lbs	Macro
MS-MBA-4.2-H2-L2	1695-2690 MHz 698-960 MHz	4/2	109.7 x 61.7 x 72.3 cm 43.2 x 24.3 x 28.5 inch	35.2 kg 77.7 lbs	Macro
MS-MBA-3.2-H4-L4	1695-2690 MHz 698-960 MHz	3/2	182.6 x 61.2 x 71.8 cm 71.9 x 24.1 x 28.3 inch	59.62 kg 131.4 lbs	Macro
MS-MBA-3.2-H2-T2	1695-2690 MHz 617- 896 MHz	3/2	94 x 61 x 66 cm 37 x 24 x 26 inch	35 kg 77 lbs	Macro
MS-MBA-4.2-H2-T2	1695-2690 MHz 617- 896 MHz	4/2	109 x 61.7 x 72 cm 43 x 24.3 x 28.4 inch	37 .9 Kg 83.5 lbs	Macro
MS-MBA-3.2-H4-T4	1695-2690 MHz 617- 896 MHz	3/2	184 x 61 x 66 cm 72 x 24 x 26 inch	60 kg 132 lbs	Macro
MS-MBA-3.2-H8-T4	1695-2690 MHz 617- 896 MHz	3/2	243.8 x 61.2 x 71.8 cm 96 x 24.1 x 28.3 inch	79.16 kg 174.5 lbs	Macro
MS-MBA-3.3-LAA2-F4	3300-4200 MHz 5000-6000 MHz	3/3	121.1 x 42.6 x 44.4 cm 47.7 x 16.8 x 17.5 inch	10 kg 22 lbs	Macro

MBA MODELS: TRI BAND ANTENNAS

Model #	Frequency	Beams	Dimensions in cm & inches	Weight in kg & lbs	Application
MS-MBA-3.3.2-F2-H2-L2	3.3 – 4.2 GHz 1695 - 2690 MHz 698 - 960 MHz	3/3/2	139 x 61.7 x 72 cm 54.8 x 24.3 x 28.4 inch	45 kg 99 lbs	Macro
MS-MBA-4.4.2-C4-H4-L4	3.7 – 4.2 GHz 1695 - 2690 MHz 698 - 960 MHz	4/4/2	241.8 x 61.7 x 72 cm 95.2 x 24.3 x 28.4 inch	92 kg 202.8 lbs	Macro
MS-MBA-4.4.2-F4-H4-L4	3.3 – 4.2 GHz 1695 - 2690 MHz 698 - 960 MHz	4/4/2	241.8 x 61.7 x 72 cm 95.2 x 24.3 x 28.4 inch	92 kg 202.8 lbs	Macro
MS-MBA-6.6.3-F4-H4-L2	3.3 – 4.2 GHz 1695 - 2690 MHz 698 - 960 MHz	6/6/3	241.8 x 93.4 x 108.4 cm 95.2 x 36.8 x 42.7 inch	105 kg 231 lbs	Macro
MS-MBA-4.4.2-C2-H2-L2	3.7 – 4.2 GHz 1695 - 2690 MHz 698 - 960 MHz	4/4/2	140.9 x 61.7 x 72.1 cm 55.5 x 24.3 x 28.4 inch	47.7 kg 105.1 lbs	Macro
MS-MBA-3.3.2-C2-H2-L2-I	3.7 – 4.2 GHz 1695 - 2690 MHz 698 - 960 MHz	3/3/2	139.1 x 61.7 x 72.1 cm 54.8 x 24.3 x 28.4 inch	47 kg 103.6 lbs	Macro
MS-MBA-4.4.2-F4-H2-L2	3.3 – 4.2 GHz 1695 - 2690 MHz 698 - 960 MHz	4/4/2	163.5 x 61.7 x 72.1 cm 64.4 x 24.3 x 28.4 inch	51 kg 112.4 lbs	Macro
MS-MBA-4.4.2-F2-H2-L2	3.3 – 4.2 GHz 1695 - 2690 MHz 698 - 960 MHz	4/4/2	140.9 x 61.7 x 72.1 cm 55.5 x 24.3 x 28.4 inch	47.7 kg 105.1 lbs	Macro

LARGE SPHERE MODELS: SINGLE BAND ANTENNAS

MS-24C90	3700-4200 MHz	24	105.4 x 108.4 x 109.9 cm 41.5 x 42.7 x 43.3 inch	47.9 kg 105.6 lbs	Venues
MS-8F30	3300-4200 MHz	8	40.3 x 52 x 48.2 cm 16 x 20.5 x 19 inch	12.14 kg 26.7 lbs	Venues
MS-6F45	3300-4200 MHz	6	61.7 x 72.8 x 67.8 cm 24.3 x 28.7 x 26.7 inch	35 kg 77 lbs	Venues
MS-12F45	3300-4200 MHz	12	61.7 x 78.9 x 69.3 cm 24.3 x 31.1 x 27.3 inch	22.28 kg 49.1lbs	Venues
MS-18F45	3300-4200 MHz	18	61.7 x 78.7 x 69.3 cm 24.3 x 31 x 27.3 inch	22 kg 48.5 lbs	Venues
MS-16F60	3300-4200 MHz	16	72.3 x 88.6 x 79.7 cm 28.5 x 34.9 x 31.4 inch	28 kg 61.7 lbs	Venues
MS-12F90	3300-4200 MHz	12	105 x 114 x 110 cm 41.5 x 44.8 x 43.3 inch	61.65 kg 135.5 lbs	Venues

LARGE SPHERE MODELS: SINGLE BAND ANTENNAS

Model #	Frequency	Beams	Dimensions in cm & inches	Weight in kg & lbs	Application
MS-24F90	3300-4200 MHz	24	105.4 x 108.4 x 109.9 cm 41.5 x 42.7 x 43.3 inch	47.9 kg 105.6 lbs	Venues
MS-48F90	3300-4200 MHz	48	105.4 x 108.4 x 109.9 cm 41.5 x 42.7 x 43.3 inch	58.18 kg 128.2 lbs	Venues
MS-8F60	3300-4200 MHz	8	72.3 x 86.1 x 80 cm 28.5 x 33.9 x 31.5 inch	23 kg 50.7 lbs	Venues
MS-4F30	3300-4200 MHz	4	41.4 x 52 x 51.3 cm 16.3 x 20.5 x 20.2 inch	15 kg 33 lbs	Venues
MS-6H90	1695-2690 MHz	6	105.4 x 116.5 x 113.2 cm 41.5 x 45.9 x 44.6 inch	55.38 kg 122 lbs	Venues
MS-4H60	1695-2690 MHz	4	66 x 83 x 79.2 cm 26 x 32.7 x 31.2 inch	26.42 kg 58.2 lbs	Venues
MS-8H60	1695-2690 MHz	8	81.5 x 92.4 x 80 cm 32 x 36.4 x 31.5 inch	30.62 kg 67.5 lbs	Venues
MS-12H90	1695-2690 MHz	12	105.4 x 122.4 x 114.5 cm 41.5 x 48.2 x 45.1 inch	58.8 kg 129.8 lbs	Venues
MS-18H90	1695-2690 MHz	18	105.4 x 118.3 x 109.9 cm 41.5 x 46.6 x 43.3 inch	60.3 kg 132.9 lbs	Venues
MS-16H120	1695-2690 MHz	16	128 x 149 x 142.4 cm 50.4 x 58.7 x 56.1 inch	75 kg 165 lbs	Venues
MS-8H120	1695-2690 MHz	8	128 x 145.5 x 142.4 cm 50.4 x 57.3 x 56.1 inch	75 kg 165.3 lbs	Venues
MS-12H180	1695-2690 MHz	12	187.1 x 207 x 204.4 cm 73.7 x 81.5 x 80.5 inch	240 kg 529 lbs	Venues
MS-24H180	1695-2690 MHz	24	187.1 x 207 x 206.5 cm 73.7 x 81.5 x 81.3 inch	247.92 kg 546.5 lbs	Venues
MS-48H180	1695-2690 MHz	48	187.1 x 207 x 206.5 cm 73.7 x 81.5 x 81.3 inch	258.3 kg 569.4 lbs	Venues
MS-8L120	698-960 MHz	8	128 x 155.1 x 143 cm 50.4 x 61.1 x 56.3 inch	86.08 kg 189.7 lbs	Venues
MS-6L180	698-960 MHz	6	187.1 x 204.4 x 207 cm 73.7 x 80.5 x 81.5 inch	233.5 kg 514.7 lbs	Venues
MS-12L180	698-960 MHz	12	187.1 x 213.6 x 201.9 cm 73.7 x 84.1 x 79.5 inch	240 kg 529 lbs	Venues
MS-8T120	617-896 MHz	8	140 x 140 x 160 cm 55 x 55 x 62 inch	75 kg 165 lbs	Venues
MS-6T180	617-896 MHz	6	187.7 x 204.4 x 207 cm 73.9 x 80.5 x 81.5 inch	233.5 kg 514.7 lbs	Venues
MS-12T180	617-896 MHz	12	182 x 205 x 207 cm 71 x 80 x 81 inch	220 kg 485 lbs	Venues

LARGE SPHERE MODELS: SINGLE BAND ANTENNAS

Model #	Frequency	Beams	Dimensions in cm & inches	Weight in kg & lbs	Application
MS-9SH90-FWB	2300-2400 MHz 3400-3600 MHz	9	105.4 x 113.7 x 109.9 cm 41.5 x 44.8 x 43.3 inch	54 kg 119 lbs	Venues
MS-9H90-FWB-2.3	2300 - 2400 MHz	9	105 x 115 x 110 cm 41 x 45 x 43 inch	56 kg 123 lbs	Venues
MS-12.12C90	3700 – 4200 MHz	48	183 x 114 x 110 cm 72 x 44.9 x 43.3 inch	90 kg 198 lbs	Venues
MS-12.6DB180	1695-2690 MHz 698-960 MHz	12/6	187.1 x 207 x 204.4 cm 73.7 x 81.5 x 80.5 inch	247.6 kg 545.9 lbs	Venues
MS-24.24C180	3700 – 4200 MHz	24	200 x 205 x 207 cm 79 x 80 x 81 inch	350 kg 772 lbs	Venues
MS-24C180-I	3700 – 4200 MHz	24	119.8 x 202.6 x 207 cm 47.2 x 79.8 x 81.5 inch	235 kg 518 lbs	Venues
MS-24F180	3300 – 4200 MHz	24	122 x 205 x 207 cm 48 x 80 x 81 inch	180 kg 397 lbs	Venues
MS-4.2DB60	1695-2690 MHz 698-960 MHz	4/2	85.8 x 92.7 x 84.5 cm 33.8 x 36.5 x 33.3 inch	32.76kg 72.2 lbs	Venues
MS-48.48C90	3700 – 4200 MHz	48	190 x 108.4 x 110 cm 75 x 42.7 x 43.3 inch	110 kg 242 lbs	Venues
MS-48C90	3700 – 4200 MHz	48	105.4 x 108.4 x 110 cm 41.5 x 42.7 x 43.3 inch	60 kg 132.2lbs	Venues

LARGE SPHERE MODELS: DUAL BAND ANTENNAS

Model #	Frequency	Beams	Dimensions in cm & inches	Weight in kg & lbs	Application
MS-8.4DB120	1695-2690 MHz 698-960 MHz	8/4	128 x 145.6 x 143 cm 50.46 x 57.35 x 56.36 inch	91.06 kg 200.7 lbs	Venues
MS-20.10DBA180	1695-2690 MHz 698-960 MHz	20/10	219.7 x 391.6 x 220.9 cm 86.5 x 154.2 x 87 inch	522 kg 1150.8 lbs	Venues
MS-10.10.10DBA180	1695-2690 MHz 698-960 MHz	10/10	219.7 x 391.6 x 220.9cm 86.5 x 154.2 x 87 inch	476 kg 1049.4 lbs	Venues
MS-6.3DB90	1695-2690 MHz 698-960 MHz	6/3	105 x 117 x 113 cm 41.4 x 46 x 44.6 inch	57 kg 126 lbs	Venues
MS-4.2DB60-T	1695-2690 MHz 617-896 MHz	4/2	85.8 x 92.7 x 84.5 cm 33.8 x 36.5 x 33.3 inch	32.76 kg 72.2 lbs	Venues
MS-6.3DB90-T	1695-2690 MHz 617-896 MHz	6/3	105.4 x 116.5 x 113.2 cm 41.5 x 45.9 x 44.6 inch	59.3 kg 130.7 lbs	Venues
MS-10.10.10DBA180-T	1695-2690 MHz 617-896 MHz	10/10	219.7 x 391.6 x 220.9 cm 86.5 x 154.2 x 87 inch	476 kg 1049.4 lbs	Venues
MS-8.4DB120-T	1695-2690 MHz 617-896 MHz	8/4	128 x145.5 x 143 cm 50.4 x 57.3 x 56.3 inch	91.06 kg 200.7 lbs	Venues
MS-12.6DB180-T	1695-2690 MHz 617-896 MHz	12/6	187.1 x 207 x 204.4 cm 73.7 x 81.5 x 80.5 inch	247.6 kg 545.9 lbs	Venues
MS-20.10DBA180-T	1695-2690 MHz 617-896 MHz	20/10	219.7 x 391.6 x 220.9 cm 86.5 x 154.2 x 87 inch	522 kg 1150.8 lbs	Venues

SINGLE BEAM MODELS: SINGLE BAND ANTENNAS

Model #	Frequency	Beams	Dimensions in cm & inches	Weight in kg & lbs	Application
MS-SB17-C	3700-4200 MHz	1	27.4 x 27.4 x 45.9 cm 10.8 x 10.8 x 18.1 inch	3.5 kg 7.7 lbs	Venues
MS-SB23-F	3300-4200 MHz	1	15.7 x 15.7 x 33.7 cm 6.2 x 6.2 x 13.3 inch	1.5 kg 3.3 lbs	Venues
MS-SB17-F	3300-4200 MHz	1	27.4 x 27.4 x 45.9 cm 10.8 x 10.8 x 18.1 inch	3.5 kg 7.7 lbs	Venues
MS-SB23-H	1695-2690 MHz	1	36.8 x 36.8 x 54.8 cm 14.5 x 14.5 x 21.6 inch	4 kg 9 lbs	Venues
MS-SB17-H	1710-2690 MHz	1	44.9 x 44.9 x 62.9 cm 17.7 x 17.7 x 24.8 inch	9.94 kg 21.9 lbs	Venues
MS-SB34-L	698-960 MHz	1	45 x 45 x 65 cm 17.7 x 17.7 x 25.5 inch	6.6 kg 14.5 lbs	Venues
MS-SB34-T	617-896 MHz	1	45 x 45 x 66 cm 17 x 17 x 25 inch	6 kg 13 lbs	Venues
MS-SB23-LAA	5000-6000 MHz	1	12 x 12 x 28 cm 4.7 x 4.7 x 11 inch	0.88 kg 1.94 lbs	Venues
MS-SB23-C	3700-4200 MHz	1	16 x 16 x 35 cm 6.2 x 6.2 x 13.7 inch	1.5 kg 3.3 lbs	Venues
MS-SB34-F-H	3300-4200 MHz 1695-2690 MHz	1/1	40.3 x 21.3 x 41.6 cm 15.9 x 8.4 x 16.4 inch	6 kg 13.2 lbs	Venues

LIGHT POLE MODELS: SINGLE BAND ANTENNAS

MS-LP-6-H4-30i	1695-2690 MHz	6	88.6 x 52.5 x 52.5 cm 34.9 x 20.7 x 20.7 inch	20 kg 44 lbs	Dense urban
MS-LP-6-H4	1695-2690 MHz	6	88.6 x 52.5 x 52.5 cm 34.9 x 20.7 x 20.7 inch	11 kg 24 lbs	Dense urban
MS-LP-6-C2	3700 - 4200 MHz	6	60.7 x 40.6 x 40.6 cm 23.9 x 16 x 16 inch	7 kg 16 lbs	Dense urban
MS-LP-6-H2	1695-2690 MHz	6	58.9 x 52.5 x 52.5 cm 23.2 x 20.7 x 20.7 inch	8 kg 17.6 lbs	Dense urban