










900  
MHz

3.5  
GHz

4.9  
GHz

# Subscriber & Base Station Antennas

ANTENNA ITEM#	15-401	15-402	15-404	15-508	15-301	15-601	15-602	15-603	15-605
Type:	Patch	Omni	Sector	Omni	Patch	Patch	Sector	Sector	Omni
Electrical	900 MHz			3.5 GHz		4.9 GHz			
Frequency Band:	902-928 MHz	900 - 928 MHz	900 - 928 MHz	3.4 - 3.7 GHz	3.3 - 3.8 GHz	4.9 - 5.35 GHz	4.9 - 5.35 GHz	4.9 - 5.1 GHz	4.9 - 5.1 GHz
Gain:	9 dBi	9.2 dBi	12.5 dBi 120deg	11 dBi	18.5 dBi	21 dBi	15 dBi 120deg	15.5 dBi 60deg	9 dBi
Maximum Input Power:	6W	100W	20W	150W	6W	6W	6W	6W	6W
Polarization:	Ver/Hori	Vertical	Horizontal	Vertical	Vert/Hori	Vert/Hori	Vertical	Horizontal	Vertical
AZ/EL Beamwidth:	65°/55°	10°	120°/14.5°	9°/9°	15°/18°	9°/9°	120°/6°	60°/10°	360°/9°
Front to Back Ratio:	19 dB (max)		16 dB (max)		20 dB (max)	30 dB (max)	35 dB (max)	35 dB (max)	
VSWR 50 Ohm:	1.5:1 (max)	1.5:1	1.5:1	<1.5	1.5:1 (typ)	1.7:1	1.7:1	1.7:1	1.7:1
Wind Load:	220 km/h	112 m/h	120 km/h	60 m/h	220 km/h	160 km/h	160 km/h	160 km/h	160 km/h
Mechanical									
Size:	12" x 12" x 0.98"	H: 96"	51" x 15" x 2"	H: 27.5"	12" x 12" x 0.98"	12" x 12" x 0.55"	13.7" x 5.9" x 1.1"	13.7" x 5.9" x 1.1"	19.68" x 2.1"
Weight:	4.2 lbs	8 lbs	31 lbs	1.54 lbs	4.2 lbs	4.2 lbs	3.3 lbs	3.3 lbs	0.6 lbs
Connector:	N-Type Female	N-Type Female	N-Type Female	N Type Female	N Type Female	N Type Female	N Type Female	N Type Female	N Type Female
Mounting Kit/Style:	Incl./Pole Mount	Incl./Pole Mount	Incl./Pole Mount	Incl./Pole Mount	Incl./Pole Mount	Incl./Pole Mount	Incl./Pole Mount	Incl./Pole Mount	Incl./Pole Mount
Operating Temperature:	-45°C to 70°C	-40° C to 60° C	-45° C to 70° C	-40°C to 60°C	-45°C to 70°C	-45°C to 70°C	-45°C to 70°C	-45°C to 70°C	-45°C to 70°C
Material:	ABS	Fiberglass Tube	ABS	Stabilized Fiberglass	ABS	ABS	ABS	ABS	Fiberglass
Additional Features:	Light weight	High Gain	Horizontal Polarity	Heavyduty Fiberglass	Light weight	Public Security Band	Public Security Band	Public Security Band	Public Security Band
									

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<b>ANTENNA ITEM#</b>	<b>15-611</b>								
<b>Type:</b>	<b>Patch</b>								
<b>Electrical</b>	<b>4.9 GHz</b>								
Frequency Band:	4.94 - 4.99 GHz								
Gain:	23 dBi								
Maximum Input Power:	30W								
Polarization:	Vert/Hori								
AZ/EL Beamwidth:	8.5°/10°								
Front to Back Ratio:									
VSWR 50 Ohm:	≤1.7:1								
Wind Load:	125 mph								
<b>Mechanical</b>									
Size:	15.4" x 15.4" x 1.7"								
Weight:	2.2 lbs								
Connector:	Integral N Jack								
Mounting Kit/Style:	Incl./Pole Mount								
Operating Temperature:	-45°C to 65°C								
Material:	UV Stabilized ABS								
Additional Features:	Public Security Band								



VERSION 0506