

▼ Electrical

Ports	2 x Low Band Ports for 698-960 MHz		
Frequency Range	698-806 MHz	824-896 MHz	890-960 MHz
Gain	15.9 dBi	16.0 dBi	16.6 dBi
Gain (Average) ¹	15.4 dBi	15.7 dBi	15.8 dBi
Azimuth Beamwidth (1 SdB)	6.0°	6.0°	6.0°
Elevation Beamwidth (1 SdB)	9.0°	7.7°	7.7°
Electrical Down tilt	2° to 10°	2° to 10°	2° to 10°
Elevation SideLobes (at Upper)	< -20 dB	< -20 dB	< -20 dB
Front-to-Back Ratio @180°	> 30 dB	> 30 dB	> 30 dB
Front-to-Back Ratio over ±20°	> 30 dB	> 30 dB	> 30 dB
Cross-Polar Discrimination (at Peak)	> 22 dB	> 22 dB	> 22 dB
Cross-Polar Port-to-Port Isolation	> 25 dB	> 25 dB	> 25 dB
Voltage Standing Wave Ratio(VSWR)	< 1.5:1	< 1.5:1	< 1.5:1
Passive Intermodulation (Ixp20W)	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc
Input Power Continuous Wave (CW)	500 watts	500 watts	500 watts
Polarization	Dual Pol 45°	Dual Pol 45°	Dual Pol 45°
Input Impedance	50 ohms	50 ohms	50 ohms
Lightning Protection	DC Ground	DC Ground	DC Ground

¹Peak gain across sub-band.

²Electrical specifications follow document: Recommendation on Base Station Antenna Standards (BASTA) V9.6

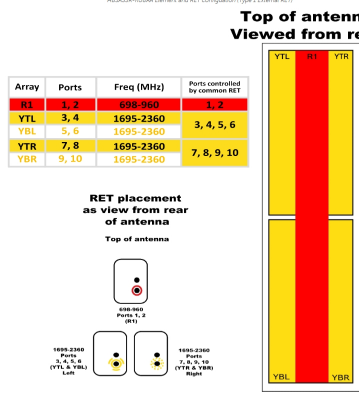
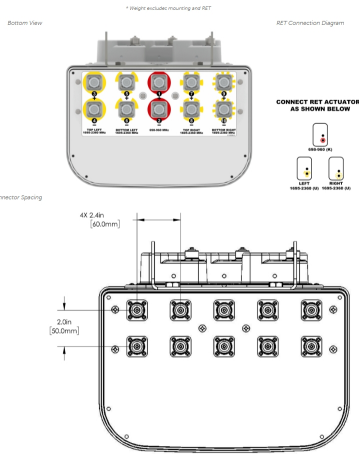
Ports	8 x High Band Ports for 2895-3260 MHz			
Frequency Range	1695-1803 MHz	1850-1900 MHz	1920-2100 MHz	2320-2380 MHz
Gain	17.5 dBi	17.8 dBi	18.3 dBi	18.8 dBi
Gain (Average) ¹	16.4 dBi	17.2 dBi	17.6 dBi	18.2 dBi
Azimuth Beamwidth (1 SdB)	3.7°	3.4°	3.2°	2.9°
Elevation Beamwidth (1 SdB)	9.0°	9.0°	8.8°	7.8°
Electrical Down tilt	0° to 10°	0° to 10°	0° to 10°	0° to 10°
Elevation SideLobes (at Upper)	< -17 dB	< -18 dB	< -18 dB	< -18 dB
Front-to-Back Ratio @180°	> 35 dB	> 35 dB	> 35 dB	> 35 dB
Front-to-Back Ratio over ±20°	> 30 dB	> 30 dB	> 30 dB	> 30 dB
Cross-Polar Discrimination (at Peak)	> 24 dB	> 24 dB	> 24 dB	> 24 dB
Cross-Polar Port-to-Port Isolation	> 25 dB	> 25 dB	> 25 dB	> 25 dB
Voltage Standing Wave Ratio(VSWR)	< 1.5:1	< 1.5:1	< 1.5:1	< 1.5:1
Passive Intermodulation (Ixp20W)	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc
Input Power Continuous Wave (CW)	300 watts	300 watts	300 watts	300 watts
Polarization	Dual Pol 45°	Dual Pol 45°	Dual Pol 45°	Dual Pol 45°
Input Impedance	50 ohms	50 ohms	50 ohms	50 ohms
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground

¹Peak gain across sub-band.

²Electrical specifications follow document: Recommendation on Base Station Antenna Standards (BASTA) V9.6

▼ Mechanical

Dimensions (LxWxD)	25.9x12.3x5.5 in (2487x1250x126 mm)
Survival Wind Speed	>150 mph (1-241 kph)
Front Wind Load	359 lbs (1620 N) @ 100 mph (161 kph)
Side Wind Load	224 lbs (1005 N) @ 100 mph (161 kph)
Equivalent Flat Plate Area	12.5 m ² (12 m ²)
Weight*	60.6 lbs (27.5 kg)
RET System Weight	5.8 lbs (2.6 kg)
Connector	10 x 4.3-10 female long neck
Mounting Pole	2 to 9 in (5 to 22 cm)



▼ Typical Antenna Patterns

For detailed information on additional antenna patterns, contact customer support at support@ccproducts.com

