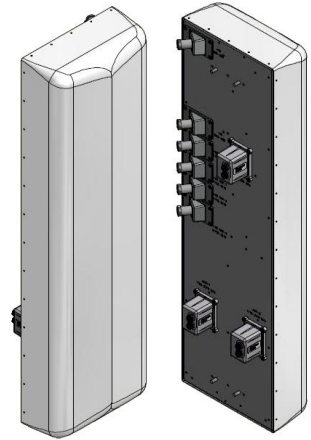


X7CQAP-465-V

1 Xpol Low Band (698-896 MHz) & 2 Xpol High Band (1695-2180 MHz, 50.5", 65° H-Beam

Variable E-Tilt, RET

- 6 Port Antenna:
 - 1 Low Band with separate tilt & 2 High Band Antennas, all with separate tilts in a single radome
- Suitable for LTE/CDMA/UMTS/GSM
- AISG 2.0 RET tilt control



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-824	824-896	1695-1880	1850-1990	1920-2180
Horizontal Beam Width, 3dB points	63°	60°	61°	62°	67°
Gain, dBi	13.6	14.2	15.8	15.9	16.2
Vertical Beam Width, 3dB points	17.4°	15.0°	7.4°	7.0°	6.9°
Upper Side Lobe Suppression, Typical, dB	<-18	<-18	<-18	<-18	<-18
Cross Polar Ratio (CPR) at Bore Sight, dB	>20	>20	>20	>20	>20
Cross Polar Ratio (CPR) at Sector +/- 60°, dB	>10	>5	>8	>10	>10
Front-to-Back at 180°, dB	> 28		> 28		
Polarization	+/- 45°		2x +/- 45°		
Electrical Down Tilt	0°-12° or 4°-16°		0°-6° or 4°-10°		
VSWR/Return Loss, dB, Maximum	1.5:1/-14.0		1.5:1/-14.0		
Isolation Between Ports, dB, Minimum	> 28		> 28		
Co – Polar Isolation Inter Antenna	N/A		> 28		
Intermodulation (2x20w), IM3, dBc, Maximum	-153		-153		
Impedance, ohms	50		50		
Maximum Power Per Connector, CW (w)	500		250		

MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	50.5/14.6/7.1 in. (1282/371/180mm)
Connector Quantity Type	(6 total: 2 low, 4 high band) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back
Antenna Weight	34.0 lbs (15.4 kg)
Bracket Weight	13.2 lb.
Standard Bracket Kit	919061 (Included)
Mechanical Downtilt Range	0°-12°
Radome Material	High Strength Luran, UV Stabilized, ASTM D1925
Wind Survival	150 mph (241 km/h)
Front Wind Load @100mph	127.2 lbf (566.0 N) @100mph
Equivalent Flat Plate @ 100mph	2.53 sq-ft (c=2) @ 100mph

RET INFORMATION

Model	CSS-RET-200
Mounting Location	Rear of Antenna
Weight	1.2 lb (0.54 kg)
Communication Standard	AISG 2.0
Control System	CSS-PCU-220



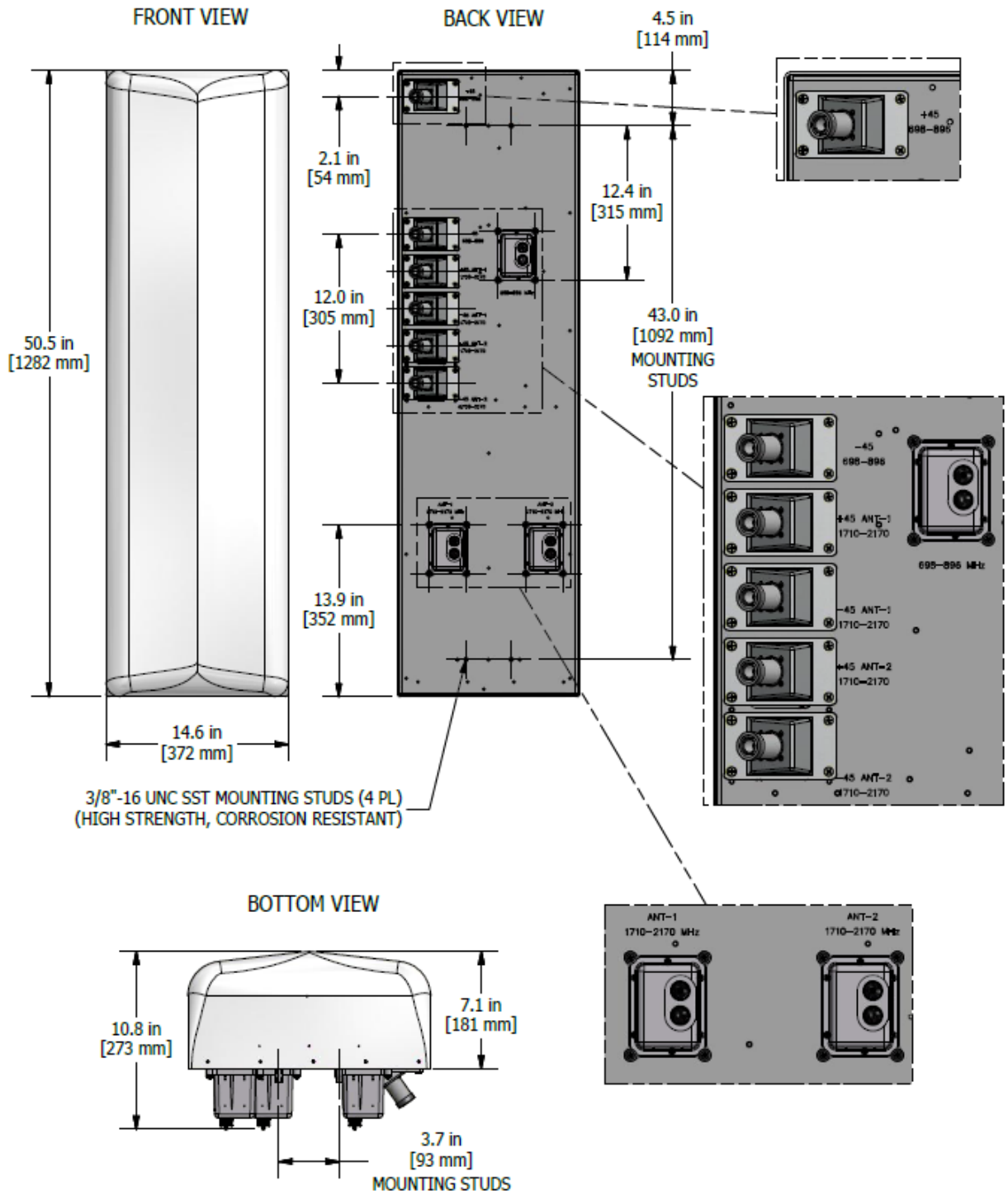
ORDER INFORMATION

MODEL	DESCRIPTION
X7CQAP-465-VR0	Remote motor adjust variable e-tilt (RET), EDT 0-12° low band and 0-6° high band
X7CQAP-465-VR4	Remote motor adjust variable e-tilt (RET), EDT 4-16° low band and 4-10° high band

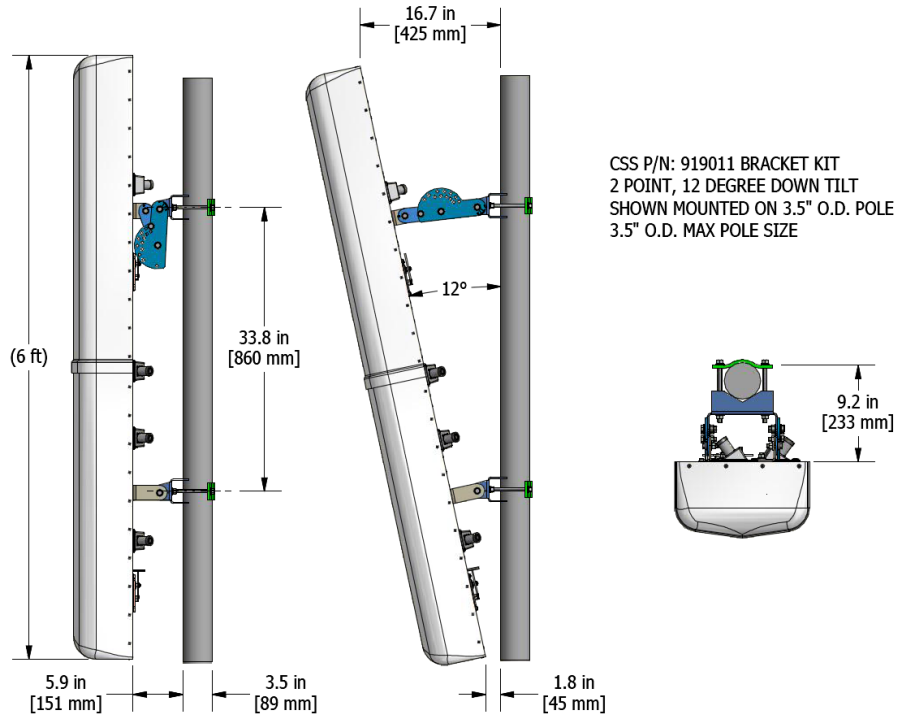
RET Ordering Information

MODEL	DESCRIPTION
992100-CA005-SC	AISG Jumper Cable, M/F, 0.5 meters

Mechanical Outline Drawing



Standard Bracket Kit



Optional Bracket Kit

