

00017X65V12D6

Triple High Broadband Cross Polarized Antenna with internal replaceable RET

3X Pol / 3 x 1710-2690 MHz / H65° / 18 dBi / 2°-12°

Multi-band Panel	Y1	Y2	Y3
Frequency Range	1710-2690	1710-2690	1710-2690
HPBW	65°	65°	65°

Model No.	00017X65V12D6
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Connectors Y1-Y3 ,Connector 1-6

	(MHz)	1710-1880	1850-1990	1710-2690 1920-2170	2300-2400	2500-2690
Frequency Range	(MHz)	1710-1880	1850-1990	1710-2690 1920-2170	2300-2400	2500-2690
Gain at mid Tilt	(dBi)	17.1	17.2	17.6	18.2	17.6

Horizontal Pattern:

Azimuth Beamwidth	(°)	66	64	63	61	65
Front-to-Back Ratio	(dB)	> 24	> 24	> 25	> 25	> 23
Cross Polar Discrimination at Boresight	(dB)	> 20	> 20	> 20	> 20	> 18
Cross Polar Discrimination over Sector	(dB)	> 12	> 10	> 10	> 8	> 8

Vertical Pattern:

Elevation Beamwidth	(°)	7.1	6.4	6.1	5.4	4.8
Electrical Downtilt continuously adjustable	(°)			2-12		
Tilt Accuracy	(°)	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
First Upper Side Lobe Suppression	(dB)	> 16	> 16	> 16	> 16	> 16

Cross Polar Isolation	(dB)			> 28		
Inter band isolation	(dB)			> 30		
VSWR				< 1.5		
Polarization				+45°, -45°		
Intermodulation IM3	(dBc)			< -150 (2x43 dBm carrier)		
Impedance	(Ω)			50		
Max. Effective Power per Port				250 W		

Values based on NGMN-P-BASTA requirements

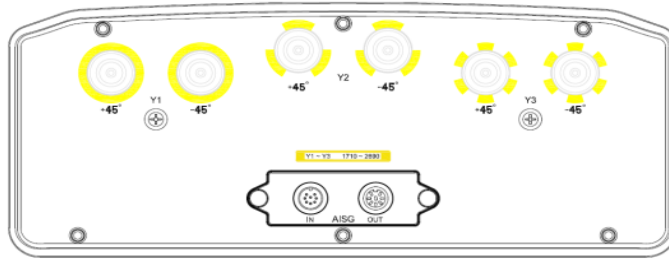
Mechanical Specifications

Connector Type & Quantity		6 x 7-16 DIN Female or 4.3-10 DIN Female
Connector Position		Bottom
Antenna Dimension (H x W x D)	(mm/in)	1420 x 390 x 120 55.9 x 15.3 x 4.7
Weight (Clamp excl.)	(kg/lb)	17 37.4
Wind Load (@100 mph)	(N)	Front 811 Side 252, Rear 811
Max. Wind Speed	(mph)	150
Operation temperature	(°)	- 40 ~ 70
Radome (Color)		ASA + PC (Gray)
Product Environmental compliance		ROHS compliant

Remote Electrical Tilt (RET)

Internal RET	ACS-RP100 (Internal Replaceable RET)
Protocol	3GPP/AISG 2.0

Bottom view



Y1	1710-2690 MHz
Y2	1710-2690 MHz
Y3	1710-2690 MHz

Mechanical Drawing & Configuration Table

