
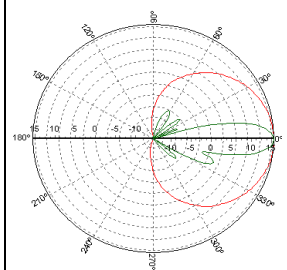


Product name		
7600.00	XM-1800-65-15i-0-D	
Electrical Specifications		
Frequency range (MHz)	1710-1880	
Polarization	Dual linear slanted, +/-45°	
Gain 900/1800 MHz, co-polar (dBi)	15 +/-0.5	
Nominal impedance (ohm)	50	
VSWR Tx and Rx FDD band	<1.3:1	
VSWR Tx and Rx TDD band	<1.3:1	
Isolation between inputs (dB)	>30	
Horizontal -3 dB beamwidth (°)	65+/-5	
Horizontal -10 dB beamwidth (°)	125+/-10	
Horizontal tracking (dB)	<2	
Cross-polar discrimination (dB)*	>20	
Vertical -3 dB beamwidth (°)	15	
Electrical downtilt (°)	0	
Vertical beam squint (°)	< 0.4	
Front-to-back ratio, total power (dB)	> 24	
Front-to-back ratio, co-polar (dB)	> 30	
Vertical 1st upper sidelobe suppression (dB)*	>20	
Vertical upper sidelobe suppression (dB)*	>18	
Null Fill (dB)*	>-20	
Power handling, peak per input (W)	500	
Power handling, average per input (W)	250	
IM, any order in UL band (2Tx@43dBm), (dBm)	<-110	
Mechanical Specifications		
Connector type	7/16	
Connector position	bottom	
Dimensions, HxWxD	697x167x58mm (2'3"x7"x2")	
Weight without bracket	2.2kg (5lbs)	
Wind load, frontal, 150 km/h, C=1, (N)	119	
Survival wind speed (m/s)	70	
Lightning protection	DC grounded	
Radome material	ASA	
Radome colour	Light gray, RAL7035/NCS2505-B	
Packing size	900x205x160mm (2'11"x 8"x 6")	
Shipping weight including tilt brackets	7.5kg (16.5lbs)	
Comments		
Gain is typical within frequency band.		
Beamwidths are defined using total power.		
Horizontal tracking is defined within +/-60° from boresight.		
Cross-polar discrimination is defined within -3 dB beamwidth.		
Front-to-back ratio is defined within 30° from the backwards direction in any plane.		
Sidelobe suppression and null fill is relative to peak of main beam.		
Radiation patterns are typical for the antenna.		
Packing size is for antenna only (brackets excluded).		