

- Ultra-wideband antenna, dual polarization, 2 connectors
- MET and RET versions, 3GPP/AISG2.0



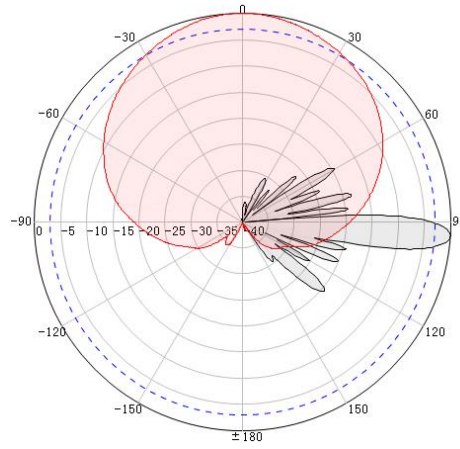
Electrical Specifications, BASTA

Frequency range (MHz)	1690-2690			
	1690-1990	1920-2200	2200-2490	2490-2690
Polarization	±45°			
Electrical downtilt (°)	0 – 10			
Gain by Tilt, Average, (dBi)	0° 17.5 ± 0.4	0° 17.8 ± 0.4	0° 18.0 ± 0.4	0° 18.3 ± 0.4
	5° 17.6 ± 0.4	5° 17.9 ± 0.4	5° 18.2 ± 0.4	5° 18.5 ± 0.4
	10° 17.5 ± 0.4	10° 17.7 ± 0.4	10° 18.0 ± 0.4	10° 18.2 ± 0.4
1 st USLS (Min.), (dB)	17	18	17	15
USLS, 20° above beampeak, (dB)	15	18	15	15
Horizontal 3dB beamwidth (°)	68 ± 2.0	68 ± 2.0	68 ± 3.0	67 ± 4.0
Vertical 3dB beamwidth (°)	7.4 ± 0.4	6.7 ± 0.5	5.9 ± 0.5	5.5 ± 0.4
Front to back Total (dB)	180°	>30		
	180° ± 30 °	>26		
Cross polar ratio (dB)	Boresight	>18		
	±60°	>11		
VSWR RL (dB)	<1.5 >14			
Isolation between ports (dB)	>28			
Max. power per input (W)	250 (at 50° C environmental temperature)			
Intermodulation IM3 (dBc)	≤ -153 (2×20 W carrier)			
Impedance(Ω)	50			
Lightning protection	DC Grounded			



Mechanical Specifications

Connector	2×7/16 DIN Female	
Connector position	Bottom	
Dimensions H×W×D (in) (mm)	55.2×6.5×3.5 1403×165×90	
Weight (lb) (kg)	13.0 5.9	
Mechanical downtilt (°)	0-17	
Mast diameter supported (in) (mm)	2.0-4.5 50-115	
Radome material / color	PVC / Light grey	
Operational temperature (°C)	-55~+65	
Wind load (lbf) (N)	Front	74.2 330 (at 150 km/h)
	Side	40.5 180 (at 150 km/h)
	Rear	86.5 385 (at 150 km/h)
Max. operational wind speed (mph) (km/h)	93 150	
Survival wind speed (mph) (km/h)	124 200	



1690 -2690 MHz