

ESBANT1Y33S

Features & Applications

- 2-Ports 1H Antenna, 1x1710-2690MHz
- 32°/32° 21/21dBi 1.399m
- E-Tilt: 2-12, Integrated RCU

Electrical Specifications						
Frequency Range(MHz)	1710-2690					
	1710-1880	1850-1990	1920-2170	2300-2400	2490-2690	
Polarization	±45°					
Electrical Downtilt(°)	2-12, Independently continuously adjustable					
Gain (dBi)	Mid tilt	19.5	20.1	20.6	20.8	20.7
	Over all tilts	19.4±0.5	20.0±0.5	20.5±0.5	20.7±0.5	20.6±0.6
First upper Side Lobe Suppression (dB)	>15	>15	>15	>15	>15	
Horizontal 3dB Beam Width (°)	35±3	33±3	31±3	27±3	25±3	
Vertical 3dB Beam Width(°)	7.3±0.7	7.0±0.7	6.6±0.6	5.7±0.5	5.4±0.5	
Front to Back Ratio 180°±30° (dB)	>25	>25	>25	>25	>25	
CPR at Boresight(dB)	>20	>20	>20	>20	>20	
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VSWR	≤1.5					
Cross-Polar Isolation (dB)	>28					
Intermodulation IM3 (dBc)	≤ -150(2 x 43 dBm carrier)					
Max. power per port(W)	200					
Impedance (Ω)	50					
Grounding	DC Ground					

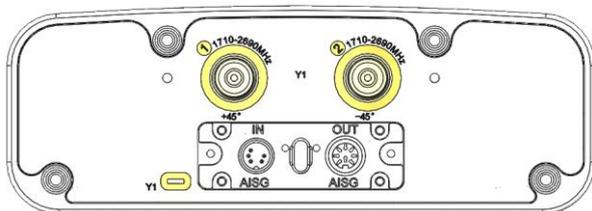
Values based on NGMN recommendations on Base Station Antenna Standards_v11.1 (BASTA_v11.1)

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Mechanical Specifications	
RET type	Integrated RET (AISG2.0/3GPP)
AISG Connectors (1 in and 1 out)	2x5 pin (in: Male; out: Female)
Connector	2 x 4.3-10 Female, Bottom
Antenna dimensions (H x W x D) (mm)	1399x259x89
Packing dimensions (H x W x D)(mm)	1619x334x164
Antenna weight (kg)	9.5/13.5 (clamps incl.)
Diameter of installation pole	50 ~125 mm
Radome material	Fiberglass
Radome color	Light grey
Operational temperature (°C)	-40 to +60
Wind load at 42m/s (N)	330/140/370(Frontal/Lateral/Rear side)
Max. operational wind speed (km/h)	200

Layout and Pattern

Connector Position :



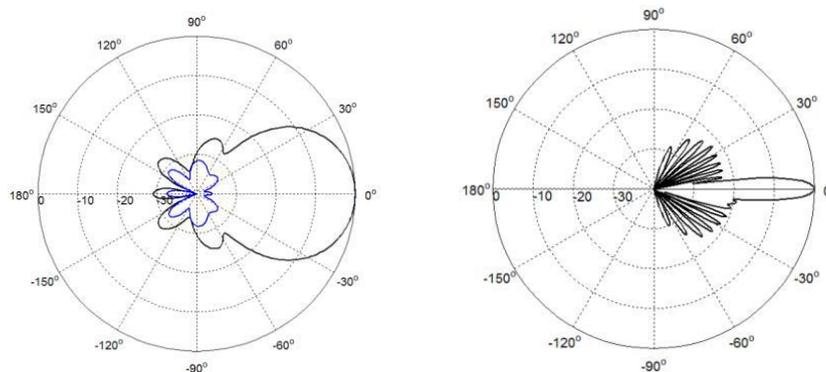
Configuration Types:



RET S/N :
HXSxx-Y1-xx..... ;

Y1 : 1710-2690MH.

Pattern sample for reference :



1710-2690MHz