

SL-1L-2P609020-E10-V04

1*690-960MHz

33deg 18dBi X pol 2-port antenna

Integrated and replaceable RCU, each band individually adjustable

2x4.3-10(F) connectors @bottom

Antenna Specifications

Electrical Properties					
Frequency Range(MHz)		R1:690-960			
		690-803	790-862	820-894	880-960
Gain (dBi)	at middle tilt	17.2	17.5	17.8	18.2
	over all tilt	17.0±0.6	17.3±0.5	17.6±0.5	18.0±0.6
Polarization		+45°/-45°			
Horizontal -3dB Beamwidth(°)		38±4	36±3	33±3	30±4
Vertical -3dB Beamwidth(°)		9.5±0.9	8.6±0.8	8.2±0.7	7.5±0.7
Electrical Downtilt(°)		2-12, continuously adjustable			
First Upper Side Lobe Suppression (Typ.)(dB)		≥15.0	≥15.0	≥15.0	≥15.0
Cross Polar Ratio (0°)(dB)		≥15.0	≥15.0	≥15.0	≥15.0
Front to Back Ratio, ±30°(dB)		≥26.0	≥26.0	≥26.0	≥26.0
VSWR		<1.5			
Cross-polar Isolation (dB)		≥25			
PIM3 (2×43 dBm carrier)(dBc)		≤-153			
Impedance(Ω)		50			
Grounding		DC Ground			
Max. Average Input Power per Port(W)		350			

Values based on NGMN-N-P-BASTA V11.1

A member of



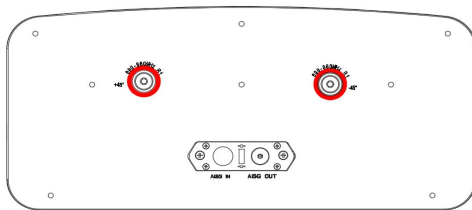
Certifications



Mechanical Properties	
Radome Material	Fiberglass
Radome Colour	Light Grey
Connector Type	4.3-10(F)×2
Antenna Dimension (H×W×D)(mm)	2700×499×205
Packing Size (H×W×D)(mm)	3015×554×240
Antenna Net Weight (approx.) (kg)	48.5
Installation Kit Weight(kg)	5.6 (2 units)
Mechanical Downtilt(°)	0-8
Mast Diameter Supported(mm)	50-114
Pole Length(mm)	>2500
Operating Temperature(℃)	-40-+65
Wind Load (at 150 km/h)	1900/781/1900 N (Frontal/Lateral/Rear side)
Maximum Wind Speed (km/h)	200

RET Properties	
Power Supply	10-30V dc
Power Consumption	≤2W (Idle), ≤10W (in Motion)
Hardware Interface	RS 485A/B(pin5, pin3); power supply(pin1, pin6); DC return(pin 7); according to AISG 2.0/3GPP
Logical Interface	HEX Coded Commands Based on HDLC Protocol
Protocol Supported	AISG 2.0/3GPP
Adjustment Time (Full Range)	<90s(typical, depending on model)
Adjustment Cycles	>20000
Torque Max.	≥160 mN.m
Lightning Protection Rate	IEC 61000-4-5 Current Pulse Profile, 8/20 μs Min. @8kA±5 Repetitions
Connectors	2 Circle Connector According to IEC 60130-9 and AISG. Daisy Chain In: Male, Daisy Chain Out: Female

Antenna Ports



Array Layout



Reference Radiation Patterns

690-960MHz(33 deg)

