



Technical Description(Pre-released)

SL12611A

2*690-960/2*1695-2690MHz

10/10/11/11dBi 4-port antenna

4x4.3-10(F) connectors @bottom

Antenna Specifications

Electrical Properties				
Frequency Range(MHz)	R1:690-960			
	690-803	790-862	820-894	880-960
Gain (dBi)	10.0±0.5	10.3±0.5	10.5±0.5	11±0.5
Polarization	+45°/-45°			
Horizontal -3dB Beamwidth(°)	67±5	66±4	65±4	62±5
Vertical -3dB Beamwidth(°)	37.0±3.0	34.5±3.0	33.5±3.0	31.5±3.0
Electrical Downtilt(°)	0			
Cross Polar Ratio (0°)(dB)	≥15.0	≥15.0	≥15.0	≥15.0
Cross Polar Ratio (±60°)(dB)	≥8.0	≥7.0	≥7.0	≥6.0
Front to Back Ratio, ±30°(dB)	≥21.0	≥21.0	≥21.0	≥21.0
VSWR	<1.8			
Cross-polar Isolation (dB)	≥21			
PIM3 (2×43 dBm carrier)(dBc)	≤-150			
Impedance(Ω)	50			
Grounding	DC Ground			
Max. Average Input Power per Port(W)	240 (at 50℃ ambient temperature)			

Electrical Properties				
Frequency Range(MHz)	Y1: 1695-2690			
	1695-1920	1920-2200	2200-2490	2490-2690
Gain (dBi)	11.5±0.5	11.8±0.5	12.3±0.5	12.5±0.5
Polarization	+45°/-45°			
Horizontal -3dB Beamwidth(°)	67.0±5.0	66.0±4.0	61.0±4.0	60.0±5.0
Vertical -3dB Beamwidth(°)	22.0±2.2	19.0±1.9	18.0±1.8	15.0±1.5
Electrical Downtilt(°)	0			
Cross Polar Ratio (0°)(dB)	≥15.0	≥15.0	≥15.0	≥15.0
Cross Polar Ratio (±60°)(dB)	≥8.0	≥7.0	≥7.0	≥6.0
Front to Back Ratio, ±30°(dB)	≥21.0	≥21.0	≥21.0	≥21.0

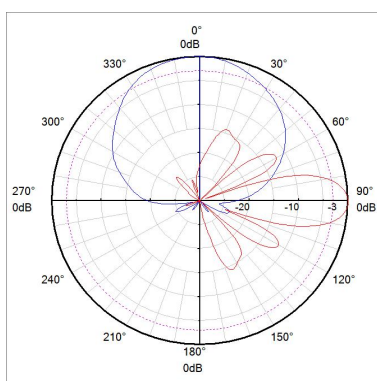
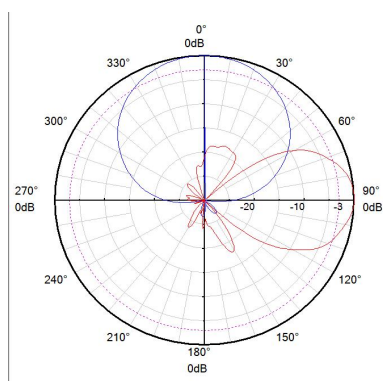


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Mechanical Properties

Dimensions (H x W x D) (mm)	600*350*200
Net weight(kg)	<7
Radome material	Fiberglass(gray)
Input Connector	4*4.3-10 Female Connectors
Operation temperature(℃)	-40~+60



690-960MHz-Horizontal&Vertical Pattern 1695-2690MHz-Horizontal&Vertical Pattern

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

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Certifications

