

Type 4G+5G Lens Antenna LA1738-01

Frequency Range	1710-2690x3 3300-3800x3
Polarization	±45°
Half-Power Beam Width	27-19°
Electrical Downtilt	2° - 12°

Electrical Specifications

Frequency Range (MHz)	1710~2690 (x3)				3300~3800 (x3)		
	1710 1920	1920 2200	2200 2490	2490 2690	3300 3400	3400 3600	3600 3800
Polarization	±45°				±45°		
Gain (dBi)	16.9	17.2	17.5	18	16	16.5	17
Horizontal Pattern							
Half-Power Beamwidth	27	23	22	21	27	24	19
Front-to-Back Ratio	25dB				25dB		
Vertical Pattern							
Half-Power Beamwidth	18	16	14	12	18	15	12
Electrical Downtilt Range	See options below						
1st Upper Sidelobe Suppression (+ 20 deg)	≤-15				≤-15		
VSWR	≤ 1.5				≤ 1.5		
Isolation Port to Port - Polarization	≥25dB				≥24dB		
Intermodulation (IMD3)	≤-150dBc (2x43dBm carrier)				NA		
Max. Power per Input	200 W						
Impedance	50 Ω						

Note: All the values are according to NGMN Alliance BTS Standards calculating commendation.

Mechanical Specifications

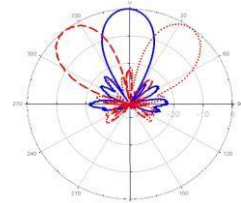
Connector	12 x 4.3-10 DIN(F)
Connector Position	Bottom
Radome Material	Fiberglass
Radome Color	Gray
Operating Temperature	-40 °C ~ 65 °C
Humidity	95% RH@+30 °C
Rated Wind Speed	200 km/h, 125 mph
Rated Wind Loading (Rear)	TBD
Mounting Hardware	Φ50 ~ Φ115 mm
Antenna Weight	42 Kg
Packing Weight	56 Kg
Antenna Size (LxWxH)	1136 x 470 x 431 mm
Packing Size (LxWxH)	1346 x 590 x 593 mm

RET Specifications

Input voltage range	10-30 V
Power Consumption	< 1 watt (standby)
Protocols Compliant	3GPP / AISG 2.0 / AISG 1.1
Electrical Angle Tilt Range	Electrical Tilt adjustment
2C2C	H :2° ~ 12°; HH :2° ~ 12°
	Pluggable MRET (1 AISG M/F interface per antenna)

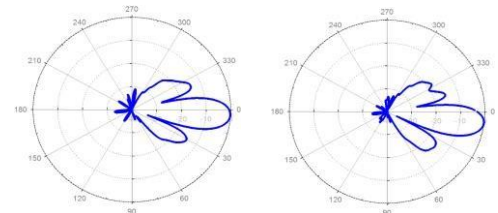


3300-3800 MHz +45°/ -45°Polarization(3600MHz)



Horizontal Pattern

3300-3800 MHz +45°/ -45° Polarization(3600MHz)



Vertical Pattern Tilt 2°

