

Type Lens Antenna LA1726-01

Frequency Range	1710-2690x3
Polarization	±45°
Half-Power Beam Width	27-21.5°
Electrical Downtilt	2° - 12°

Electrical Specifications

Frequency Range (MHz)	1710~2690 (x3)			
	1710-1920	1920-2200	2200~2490	2490~2690
Polarization	±45°			
Gain (dBi)	16.9	17.2	17.5	18
Horizontal Pattern				
Half-Power Beamwidth	27	23	22	21.5
Front-to-Back Ratio	25dB	25dB	25dB	25dB
Vertical Pattern				
Half-Power Beamwidth	17.6	15.8	13.5	12
Electrical Downtilt Range	See options below			
1st Upper Sidelobe Suppression (+ 20 deg)	<-15dB	<-15dB	<-15dB	<-15dB
VSWR	≤ 1.5			
Isolation Port to Port - Polarization	≥ 25dB			
Angle Between Horizontal Beams	≥ 40°			
Intermodulation (IMD3)	≤ -150dBc (2x43dBm carrier)			
Max. Power per Input	200 W			
Impedance	50 Ω			
Lightning Protection	DC ground			

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

Mechanical Specifications

Connector	6 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)	437 N@ 150 km/h
Mounting Hardware	Φ50 ~ Φ115 mm
Antenna Weight	29 Kg
Packing Weight	36 Kg
Antenna Size (LxWxH)	705 x 470 x 430 mm
Packing Size (LxWxH)	845 x 590 x 646 mm

RET Specifications

Input voltage range	10-35 V
Power Consumption	< 1 watt (standby)
Protocols Compliant	3GPP / AISG 2.0 / AISG 1.1

Electrical Angle Tilt Range

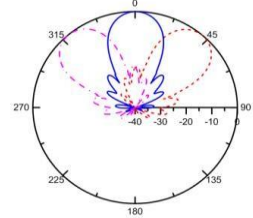
2C H : 2° ~ 12°

Electrical Tilt adjustment

Pluggable RET
(1 AISG M/F interface per antenna)

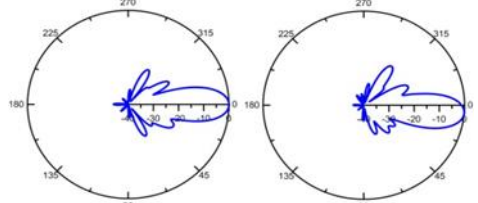


1710-2690 MHz +45° / -45° Polarization (2100MHz)



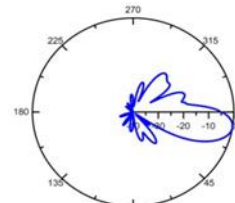
Horizontal Pattern

1710-2690 MHz +45° / -45° Polarization (2100MHz)



Vertical Pattern Tilt 0°

Vertical Pattern Tilt 5°



Vertical Pattern Tilt 10°