

Type Tri-Sector TS1726-02

Frequency Range	1710-2690x3
Polarization	±45°
Half-Power Beam Width	65°
Electrical Downtilt	2° - 12°

Electrical Specifications

Frequency Range (MHz)	1710-2690 (x3)		
	1710-2200	2200-2490	2490-2690
Polarization	±45°		
Gain (dBi)	16	16.5	17
<b>Horizontal Pattern</b>			
Half-Power Beam Width	65°	63°	60°
Front-to-Back Ratio	≥25dB	≥ 25dB	≥ 25dB
<b>Vertical Pattern</b>			
Half-Power Beamwidth	7.5	6.5	5.5
Electrical Downtilt Range	See options below		
1st Upper Sidelobe Suppression	≤ -14dB	≤ -14dB	≤ -14dB
VSWR / Return Loss	≤ 1.5 / ≤ -14dB		
In-Band Isolation Port to Port	≥ 28dB		
Intermodulation (IMD3)	≤ -142 dBc (2x43dBm carrier)		
Max. Power Per Input	200 W (at 50 °C ambient temperature)		
Impedance	50 Ω		
Lightning Protection	DC ground		

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

Mechanical Specifications

Connector	6 × 4.3-10-Female
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)	550N@160 km/h
Mounting Hardware	Flange
Antenna Weight	16 kg
Packing Weight	19 kg
Antenna Size (LxWxH)	1590 x 205 x 205 mm
Packing Size (LxWxH)	1700 x 295 x 295 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

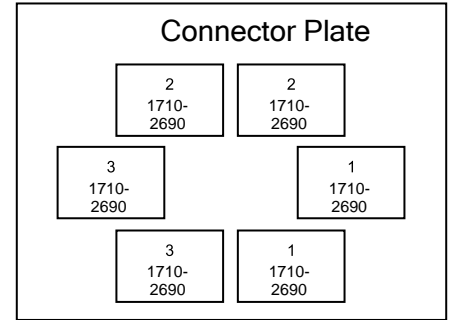
2C	2° ~ 12°
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Electrical Tilt adjustment

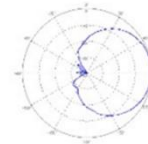
External RET
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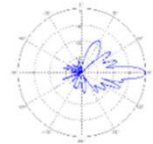
Connector Plate



1710-2690MHz +45°/-45° Polarization (1805MHz)

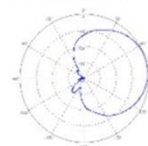


Horizontal Pattern Tilt 2°

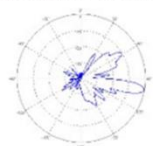


Vertical Pattern Tilt 2°

1710-2690MHz +45°/-45° Polarization (1805MHz)

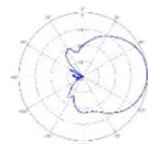


Horizontal Pattern Tilt 12°

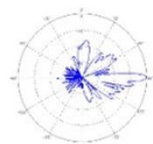


Vertical Pattern Tilt 12°

1710-2690MHz +45°/-45° Polarization (2600MHz)

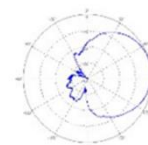


Horizontal Pattern Tilt 2°

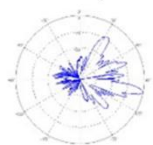


Vertical Pattern Tilt 2°

1710-2690MHz +45°/-45° Polarization (2600MHz)



Horizontal Pattern Tilt 12°



Vertical Pattern Tilt 12°