

Type SAW1726-02

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

Electrical Specifications

Frequency Range (MHz)	1710-2690 (x3)		
	1710-1920	1920-2200	2200-2690
Polarization	±45°		
Gain (dBi)	16.3	16.8	17

Horizontal Pattern

Half-Power Beam Width (deg)	67	64	61
Front-to-Back Ratio	≥ 25dB	≥ 25dB	≥ 25dB

Vertical Pattern

Half-Power Beamwidth (deg)	8	6.7	6
Electrical Downtilt Range	See options below		
1st Upper Sidelobe Suppression	≤-15dB	≤-15dB	≤-15dB
VSWR / Return Loss	≤ 1.5 / ≤ -14dB		
In-Band Isolation Port to Port	≥ 25dB		
Intermodulation (IMD3)	≤ -150dBc (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 × 7-16 DIN(F)
Connector Position	Bottom
Radome Material	ASA
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)	800N@160 km/h
Mounting Hardware	Φ50 ~ Φ115 mm
Antenna Weight	25.9Kg
Packing Weight	31.5Kg
Antenna Size (LxWxH)	1378 x 394 x 144 mm
Packing Size (LxWxH)	1546 x 521 x 349 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

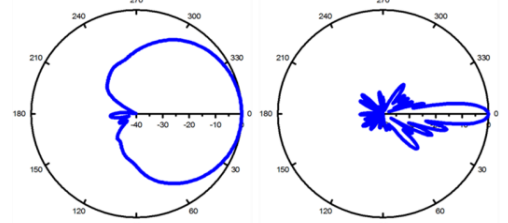
2C	2° ~ 12°
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Electrical Tilt adjustment

RET (1 AISG M/F interface per antenna) (daisy chain inside)

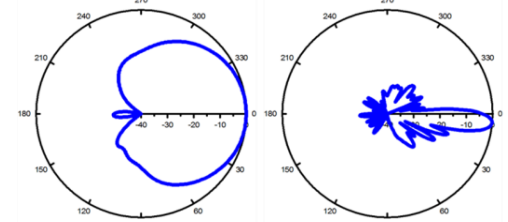


1710-2690 MHz +45° / -45° Polarization(1710MHz)



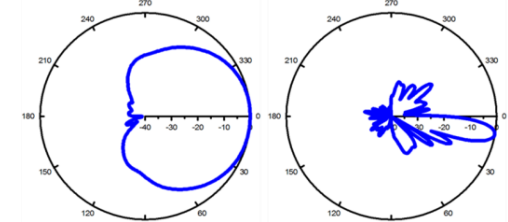
Horizontal Pattern Tilt 0° Vertical Pattern Tilt 0°

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



Horizontal Pattern Tilt 5° Vertical Pattern Tilt 5°

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



Horizontal Pattern Tilt 10° Vertical Pattern Tilt 10°