

Type SAW0626-02

Frequency Range	698~803x1 880~960x1 3300~3800x2
Polarization	±45°
Half-Power Beam Width	65°
Electrical Downtilt	2° - 12°

Electrical Specifications

Frequency Range (MHz)	698~803	880~960	1710~2690 (x2)		
			1710~2170	2170~2490	2490~2690
Polarization	±45°		±45°		
Gain (dBi)	15	15.5	16.2	16.5	16.8
Horizontal Pattern					
Half-Power Beamwidth (deg)	68	64	62	60	60
Front-to-Back Ratio	≥23dB	≥25dB	≥25dB	≥25dB	≥25dB
Vertical Pattern					
Half-Power Beamwidth (deg)	11.5	9.5	6	5	5
Electrical Downtilt Range	See options below				
Upper Sidelobe Suppression (20° above horizon)	2° ... 8° ... 14°		2° ... 8° ... 12°		
	15 ... 14 ... 12		15 ... 15 ... 14		
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 commendation.

Mechanical Specifications

Connector	8 x 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)	812 N@ 160 km/h
Mounting Hardware	Φ50 ~ Φ115 mm
Antenna Weight	26 Kg
Packing Weight	36 Kg
Antenna Size (LxWxH)	1980 x 350 x 250 mm
Packing Size (LxWxH)	2245 x 470 x 420 mm

RET Specifications

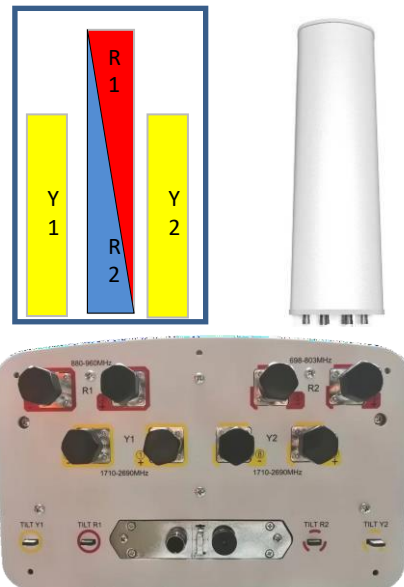
Input voltage range	10-30 V
Power Consumption	< 1 watt (standby)
Protocols Compliant	3GPP / AISG 2.0 / AISG 1.1

Electrical Angle Tilt Range

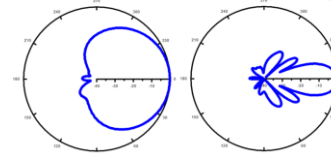
2C2C L: 2° ~ 12°; H: 2° ~ 12°

Electrical Tilt adjustment

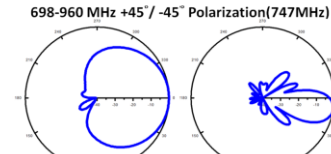
Pluggable RET (Independent Tilting)



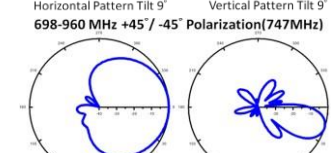
698-960 MHz +45° / -45° Polarization(747MHz)



Horizontal Pattern Tilt 2° Vertical Pattern Tilt 2°

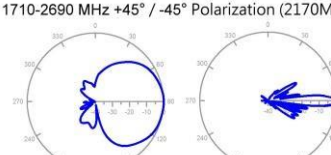


Horizontal Pattern Tilt 9° Vertical Pattern Tilt 9°



Horizontal Pattern Tilt 14° Vertical Pattern Tilt 14°

1710-2690 MHz +45° / -45° Polarization (2170MHz)



Horizontal Pattern Tilt 2° Vertical Pattern Tilt 2°