

Type TDD Antenna SAW3338-01

Frequency Range	3300-3800x1
Polarization	±45°
Half-Power Beam Width	65° ± 10
Electrical Downtilt	2° - 12°

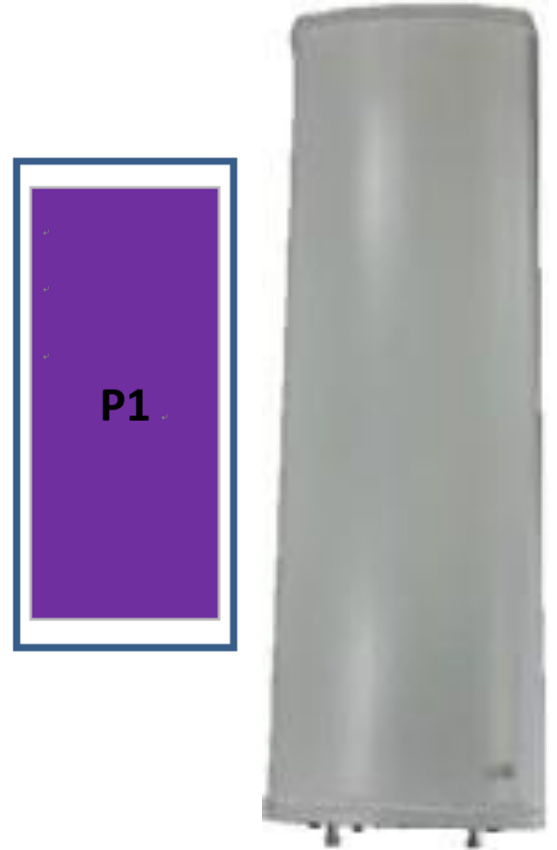
Electrical Specifications

Working Frequency		3300-3800MHz	
General			
Polarization (deg)		±45°	
Connector Type		4 Cores Cluster / 5 Cores Cluster male	
Electrical Tilt (deg)		2°~12°	
Input Impedance		50Ω	
VSWR		1.5	
ISO co-polor (dB)	2~6°	7~12°	
	≥20	≥25	
ISO cross-polor (dB)	2~6°	7~12°	
	≥25	≥27	
Maximum Power		≥200W	
Calibration Network			
Coupling between cal. Port to input port (dB)		-26±2	
Coupling amplitude accuracy (dB)		≤1	
Coupling phase accuracy (deg)		≤10°	
Radiation Pattern			
Frequency Range (MHz)		3300-3500MHz	3500-3800MHz
Unit Beam	Horizontal 3dB BW(deg)		80
	Gain (dBi)		14.5
	Vertical 3dB BW(deg)		6.5°
	Front to back ratio (dB)		≤ 22
	1st Upper sidelobe level (dB)		≤ -15
Service Beam	0° beam	Gain (dBi)	19.6
		Horizontal 3dB BW(deg)	23
		Front-to-back ratio (dB)	≤ 25
	±30° beam	Gain (dBi)	18.4
		Horizontal 3dB BW(deg)	28
		Horizontal sidelobe level(dB)	23
Broadcast beam	Horizontal 3dB BW(deg)		65°±10
	Gain (dBi)		15.4
	Vertical 3dB BW(deg)		6.5
	Front to back ratio (dB)		≤ 25
	1st Upper Sidelobe level(dB)		≤ -15

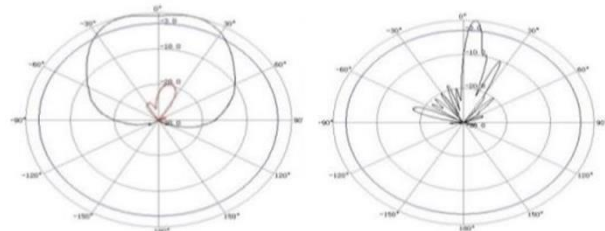
Note: All the values are according to NGMN Alliance BTS Standards calculating commendation.

Mechanical Specifications

Antenna Size (L*W*D)	850 x 288 x 118mm
Antenna Weight (Kg)	9.2
Packing Weight (Kg)	18.7
Diameter of Pole	Φ50 ~Φ114 mm
Working Temperature	-40~+60°C
Maximum Wind Velocity	200Km/h
Radome Material	ASA
Radome Color	Light Grey
Protocols Compliant	3GPP / AISG 2.0 / AISG 1.1



3300-3800MHz +45°/-45°



Horizontal Pattern

Vertical Pattern