

Antenna

EX20210 Datasheet

Antenna Services

Version:1.0

Date: 2026-5-29

Status: Released



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Overall Performance

1)Test Environment

The Gain, Efficiency, Directivity and 2/3D Pattern

3D Anechoic Chamber

Testing range from 300MHz to 8.5GHz

Chamber Room Size: L*W*H=9*4.7*4.7 M

VSWR

Testing range from 300KHz~8.5GHz

Network Analyzer(Agilent-E5071C or R&S ZVL)

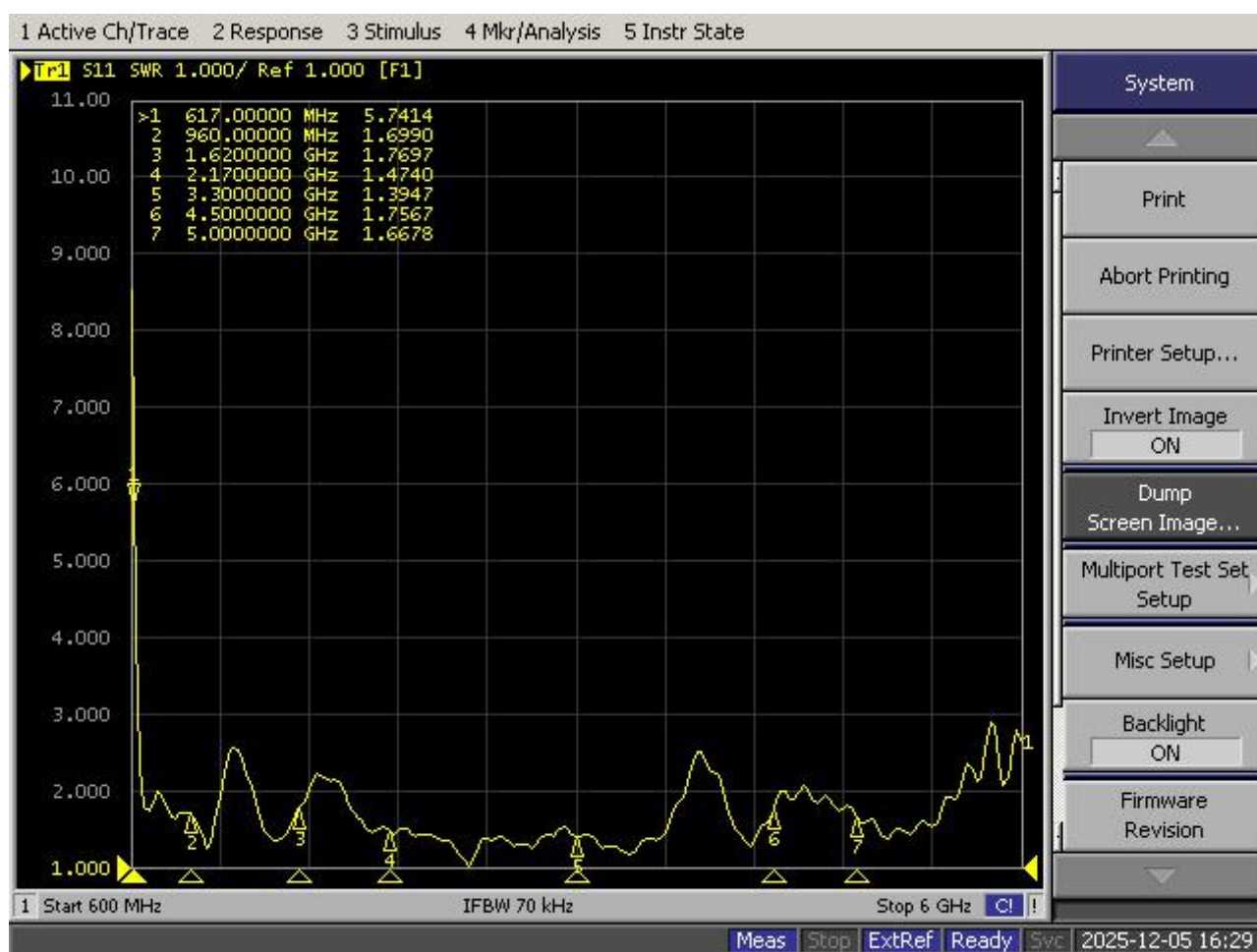


2) Product Specifications

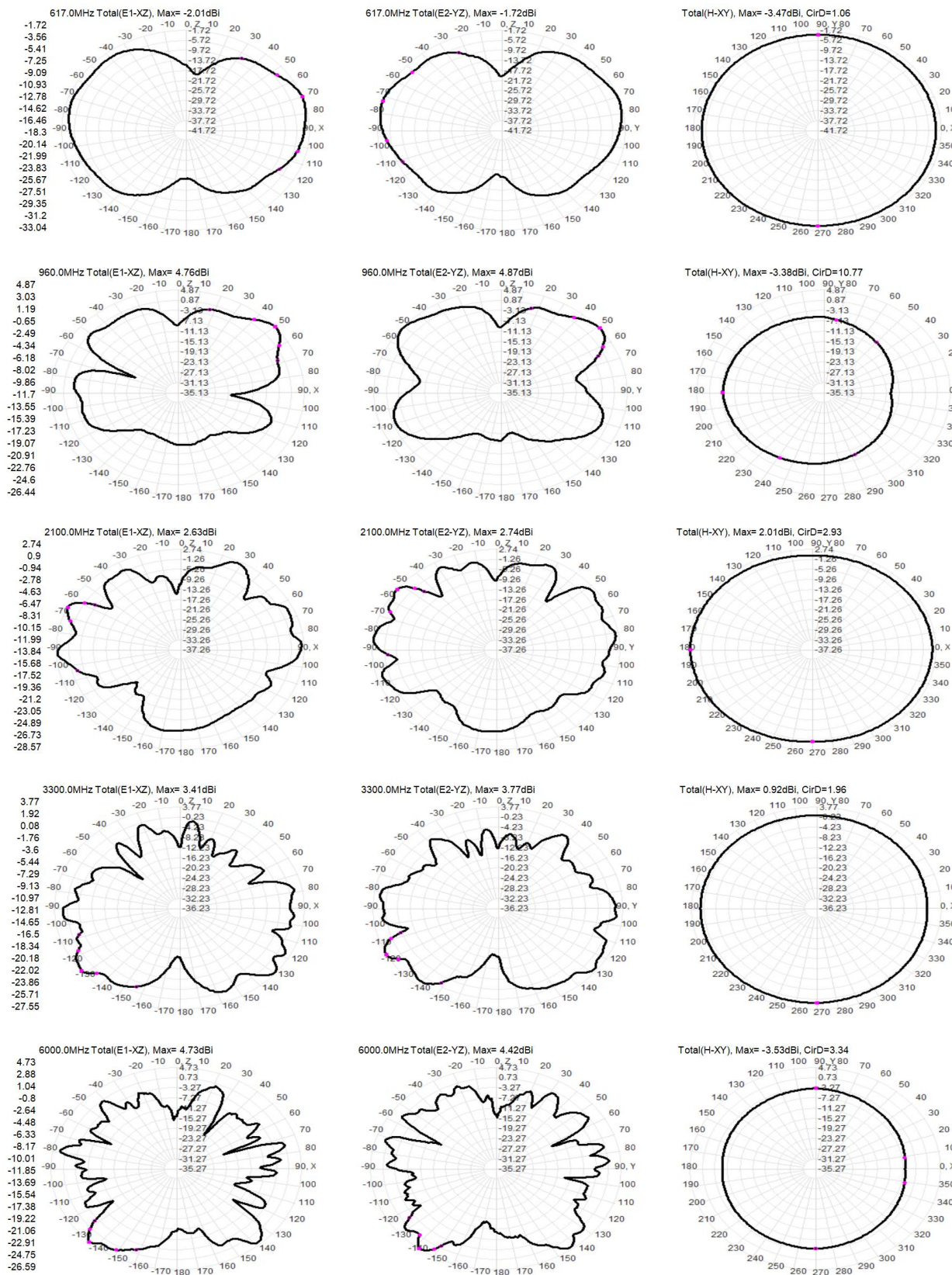
Electrical Specifications	
Model	EX20210
Frequency band	5GHz(617~6000MHz)
Gain	4dBi
Horizontal Beamwidth	360°
VSWR	≤1.92
Ovality	≤2dB
Impedance	50Ω
Polarization	Vertical
Max. Power	50W
Lightning Protection	Dc ground
Connector	SMA-male
Mechanical Specifications	
Dimension(mm)	φ13*195 mm
Weight(kg)	0.054Kg
Internal material	PCB
Radome Color	Black
Radome material	ABS
Operating temperature	-40~55℃

3) VSWR

Frequency(MHz)	617	960	1620	2170	3300	4500	5000
VSWR	5.7414	1.6990	1.7697	1.4740	1.3947	1.7567	1.6678

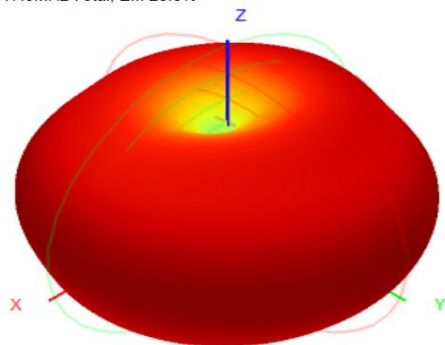


4) Antenna 2D Report

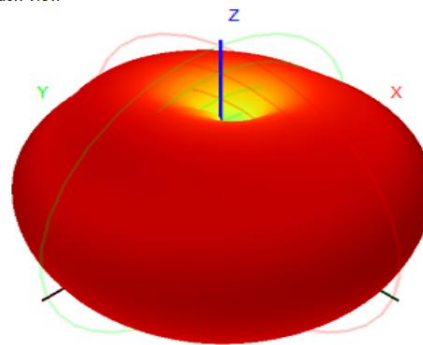


6) Antenna 3D Report

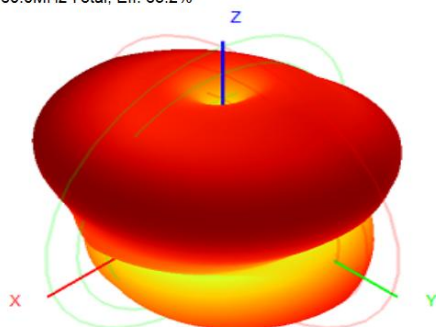
617.0MHz Total, Eff: 28.8%



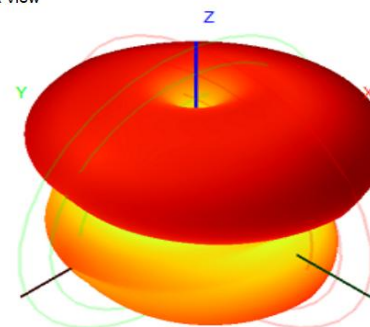
Back View



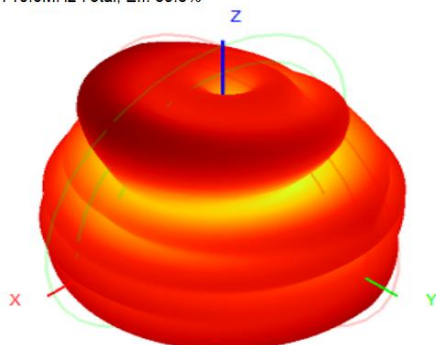
960.0MHz Total, Eff: 63.2%



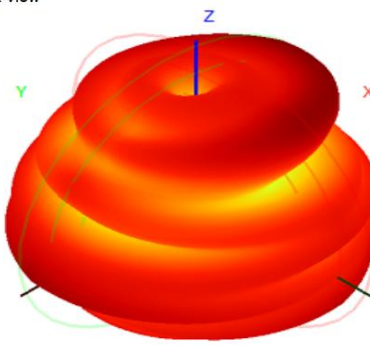
Back View



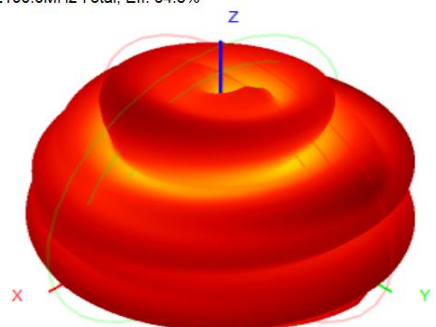
1710.0MHz Total, Eff: 59.5%



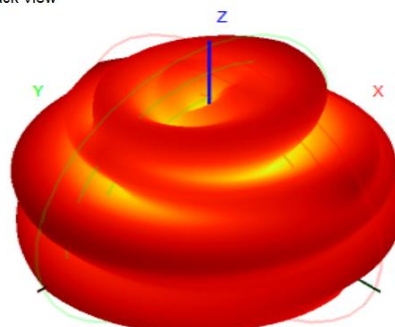
Back View



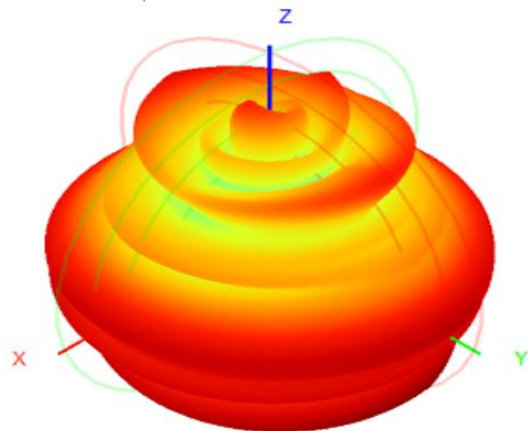
2100.0MHz Total, Eff: 64.8%



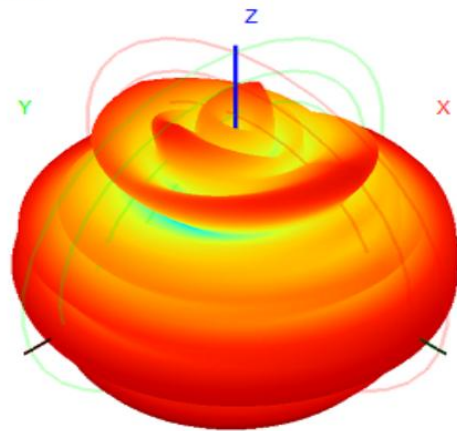
Back View



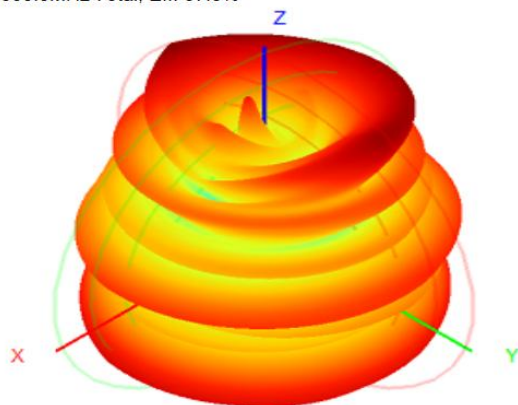
3300.0MHz Total, Eff: 70.5%



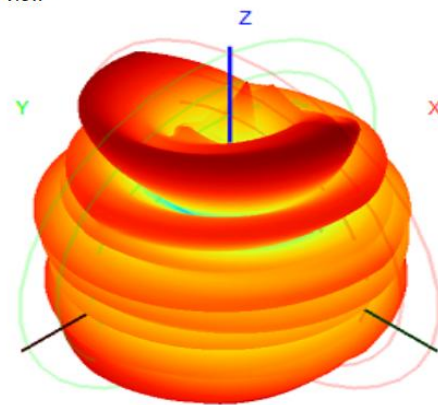
Back View



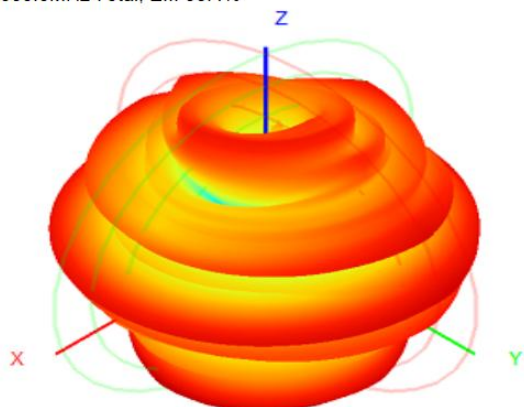
4500.0MHz Total, Eff: 57.3%



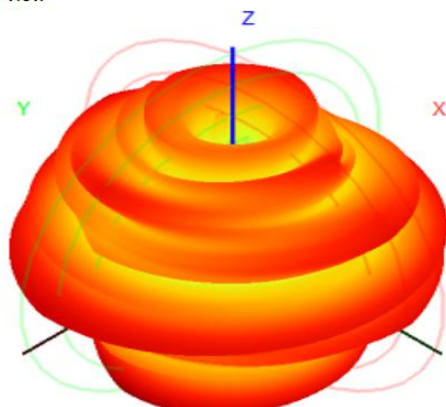
Back View



6000.0MHz Total, Eff: 56.4%



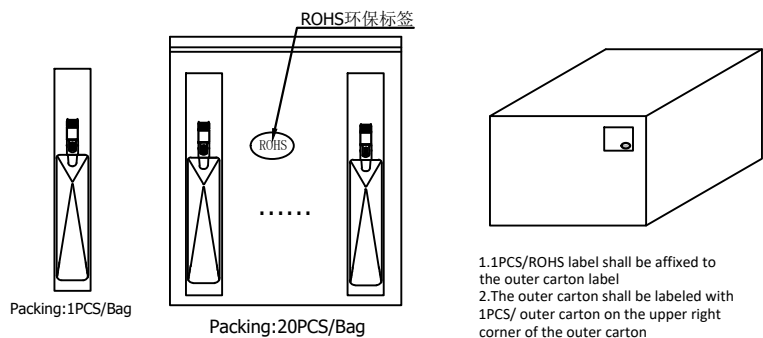
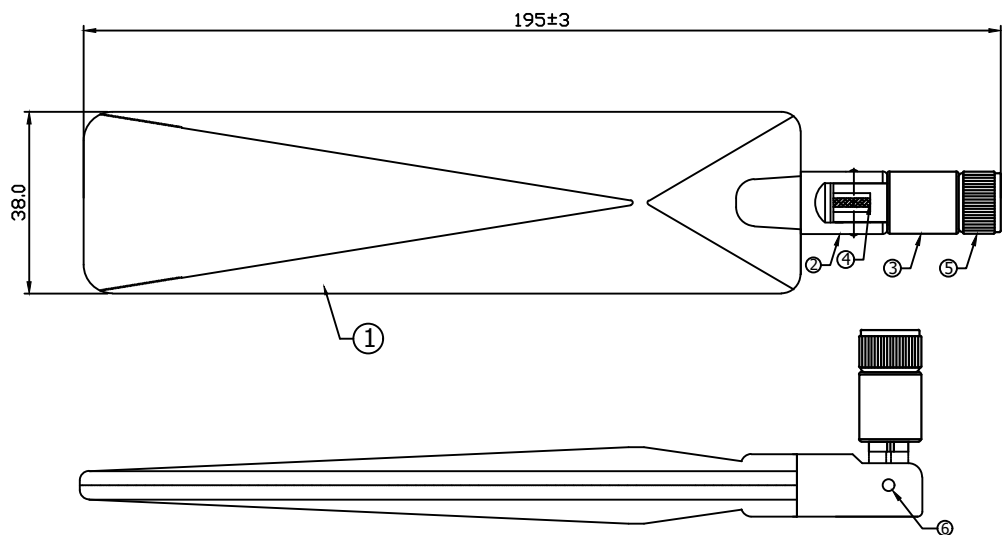
Back View



Drawing

ROHS

REV.	DESCRIPTION	DATE
X1	New	2026.5.29



1.1PCS/ROHS label shall be affixed to the outer carton label
2.The outer carton shall be labeled with 1PCS/ outer carton on the upper right corner of the outer carton

Specification:
Frequency Rang: 617~6000MHz
Return Loss:-10dB or less
Gain:4dBi
VSWR: 1.92

6	Rivet	PBT+PC,Color:Black	2	
5	Connector	SMA Straight Plug Standard for RG-178	1	
4	Cable	RG-178 Cable,Transparency Brown,50Ω	1	
3	Bottom Base	PBT+PC,Color:Black	1	
2	Upper Base	ABS,Color:Black	1	
1	Antenna Cap(L)	ABS,Color:Black	1	
NO.	DESCRIPTION		Q'TY	REMARK

TITLE:		5GHz Antenna		 KEESUN ShenZhen Keesun Technology Co.,Ltd							
P/N:		EX20210									
CUSTOMER:											
DRAW NO.:				 APPROVED							
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED											
一般公差 TOLERANCE		.XXX	±0.05	XX	±1.0	SHEET: 1/1		SCALE: 1:1		CHECKED	
		.XX	±0.1			UNIT: mm		REV.X1		DRAWED	Julia
		.X	±0.2								
		X	±0.5								