

3dBi 5G Omni PVC Antenna



Electrical Specifications 电性指标

Part Number 料号	CWPVC0960V3CWS-U
Frequency Range 频率范围	900-1700/5000-6000MHz
Bandwidth 带宽	800/1000MHz
Peak Gain 峰值增益	3±1dBi
Radiation Direction 辐射方向	Omnidirectional
Polarization 极化方式	Vertical
Electrical Downtilt 电下倾角	/
Half Power Beamwidths 半功率波瓣宽度	/
First Upper Sidelobe Suppression 第一上旁瓣抑制	/
Front-to-rear ratio 前后比	/
Impedance 输入阻抗	50Ω
VSWR 电压驻波比	≤2.0
Maximum Power 最大功率	50W
Lightning Protection 雷电保护	DC Grounding

Mechanical Specifications 机械性能

Connector Type 接头类型	2* SMA Male
Connector Position 接头位置	Bottom
Cable type 线材类型	2*LMR195 White/L=50CM
Antenna Size 天线尺寸	230*63MM
Antenna Weight 天线重量	0.2KG
Radome Material 外罩材料	PVC
Radome Colour 外罩颜色	White
Mechanically Adjustable Tilt Angle 机械可调倾角	/
Temperature Range 温度	-40-85℃
Extreme Wind Speed 极限风速	60m/s
Pole Diameter 抱杆直径	30-50MM
Mounting Method 安装方式	Pole Mount
Mounting Model 安装件型号	CWPVC0727V3C/Aluminum
Environmental Standards 环保标准	ROHS/REACH



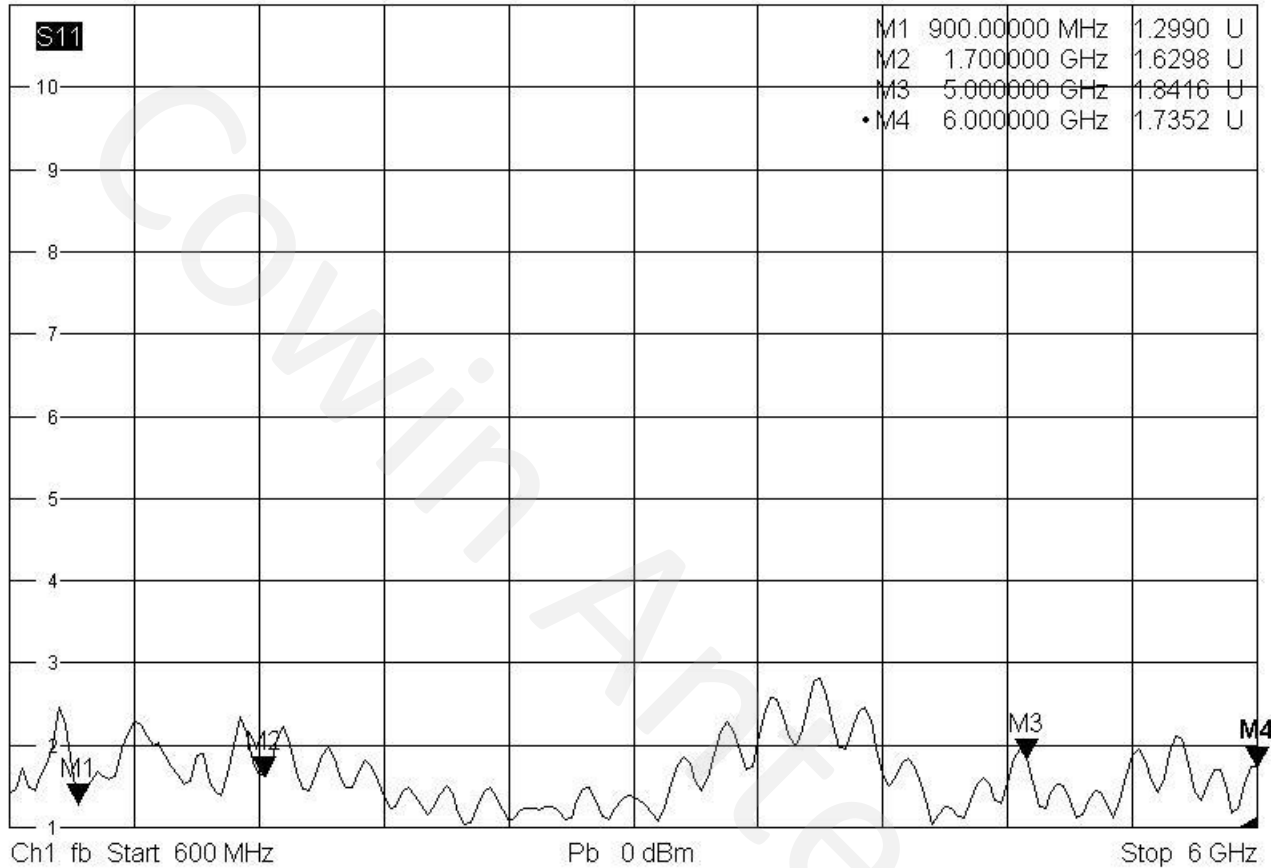
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V.S.W.R (Connector-1)



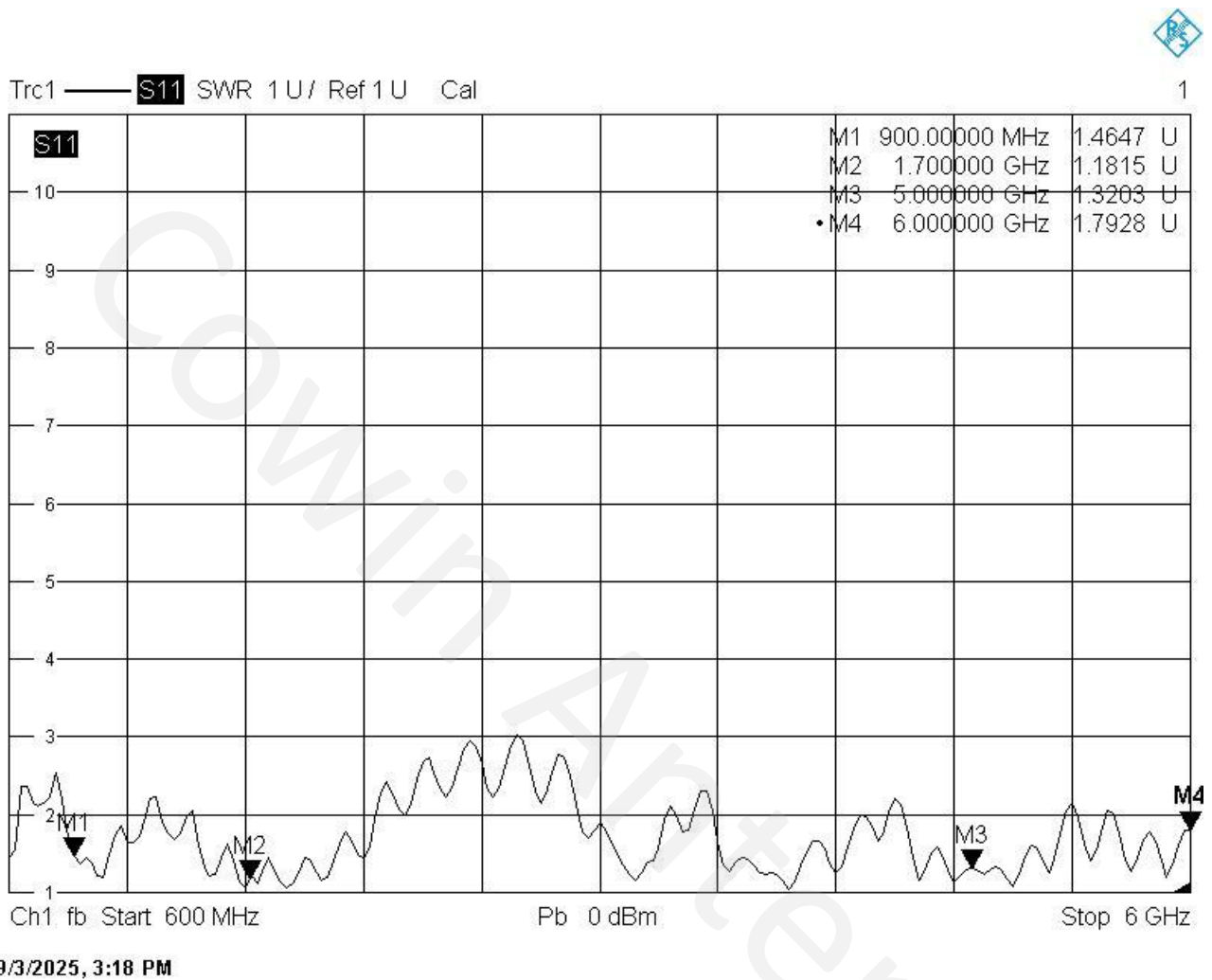
Trc1 — S11 SWR 1 U/ Ref 1 U Cal

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V.S.W.R (Connector-2)



Efficiency (Connector-1)

Frequency (MHz)	Efficiency (%)
900	64.35
1700	63.58
5000	60.31
5200	61.69
5400	63.71
5600	61.31
5800	61.31
6000	62.19

Efficiency (Connector-2)

Frequency (MHz)	Efficiency (%)
900	61.16
1700	60.03
5000	61.78
5200	64.45
5400	61.86
5600	61.21
5800	61.30
6000	61.69

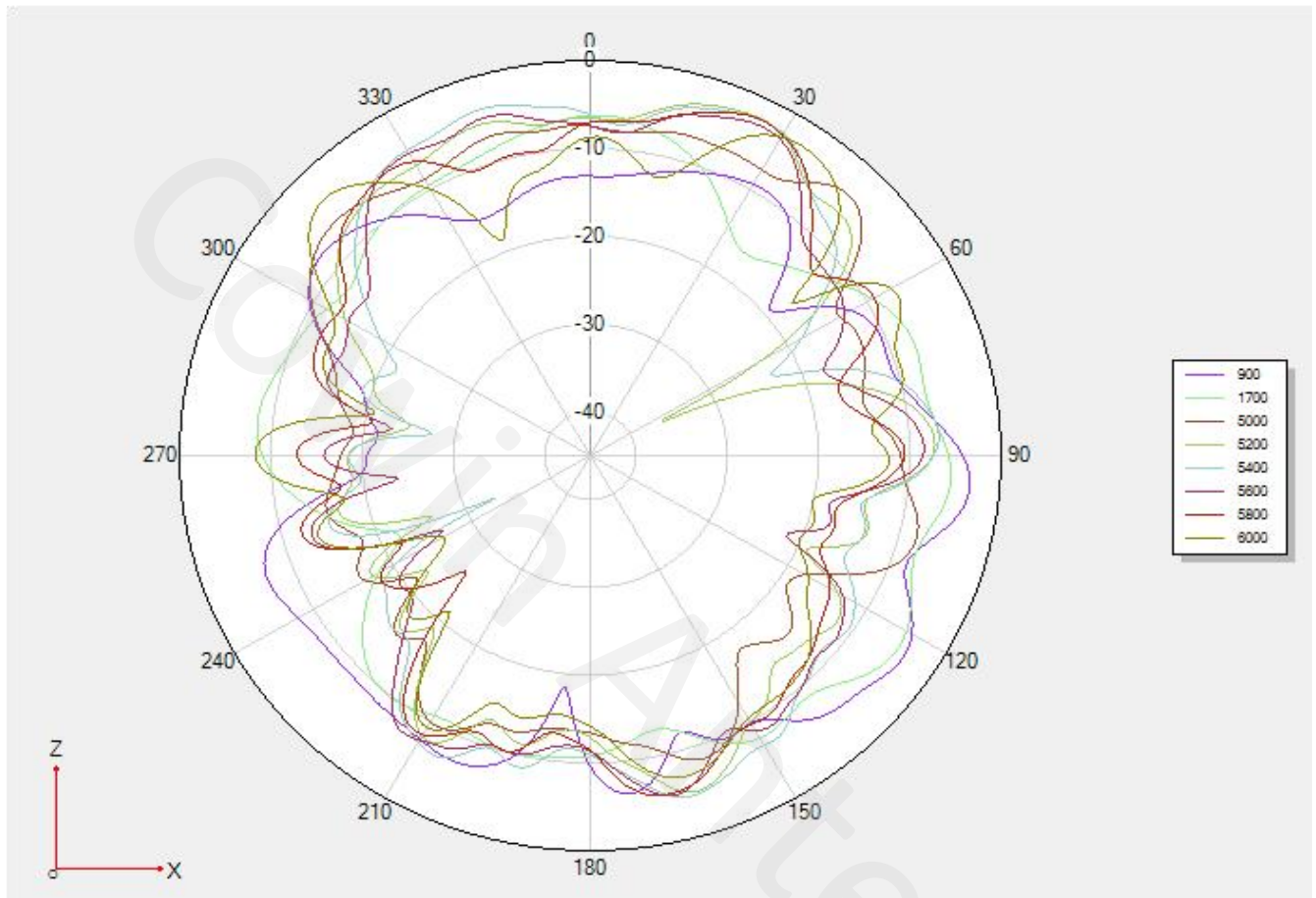
Peak Gain (Connector-1)

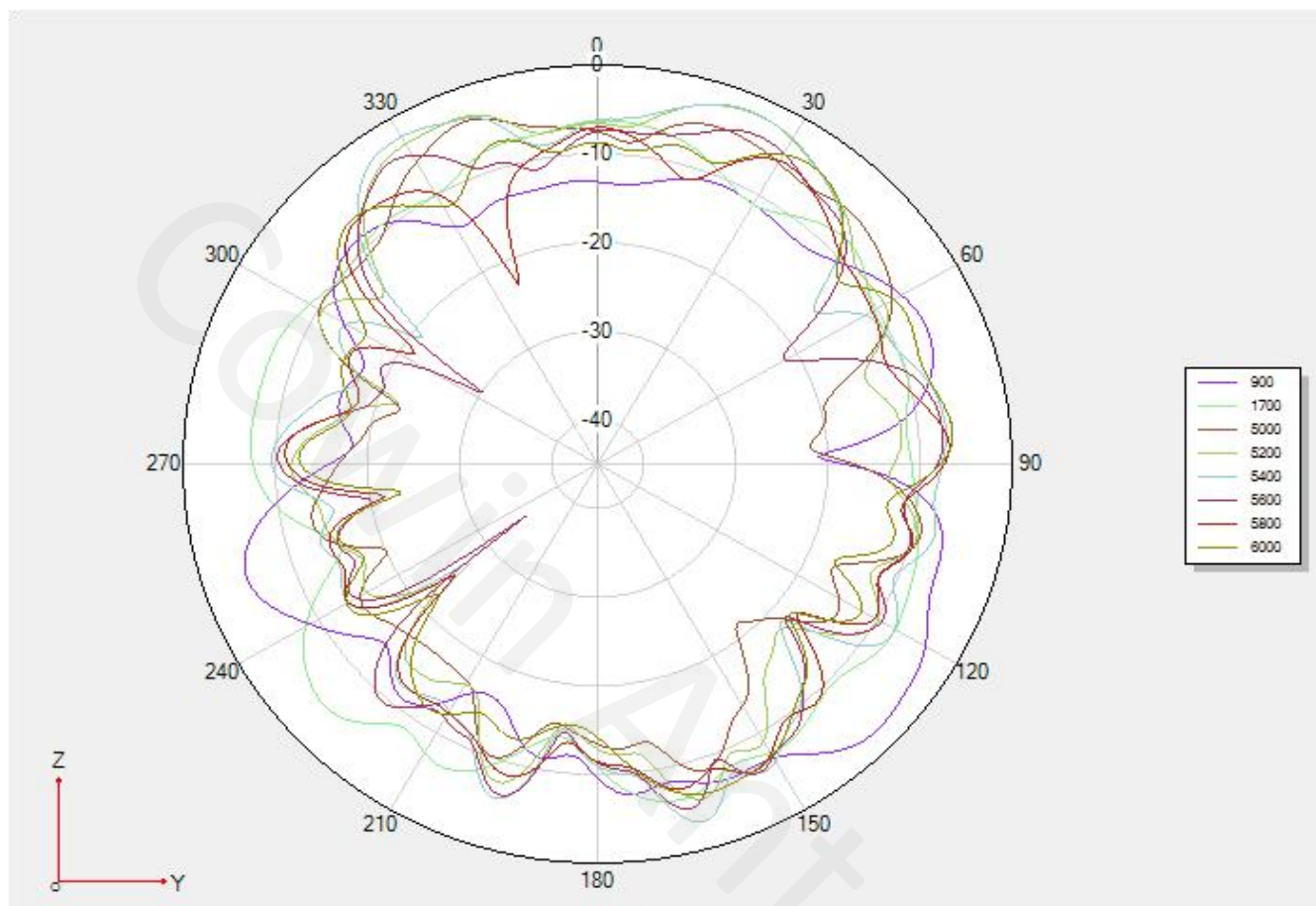
Frequency (MHz)	Max Gain (dBi)
900	2.43
1700	2.67
5000	2.87
5200	2.32
5400	2.63
5600	2.47
5800	2.47
6000	2.14

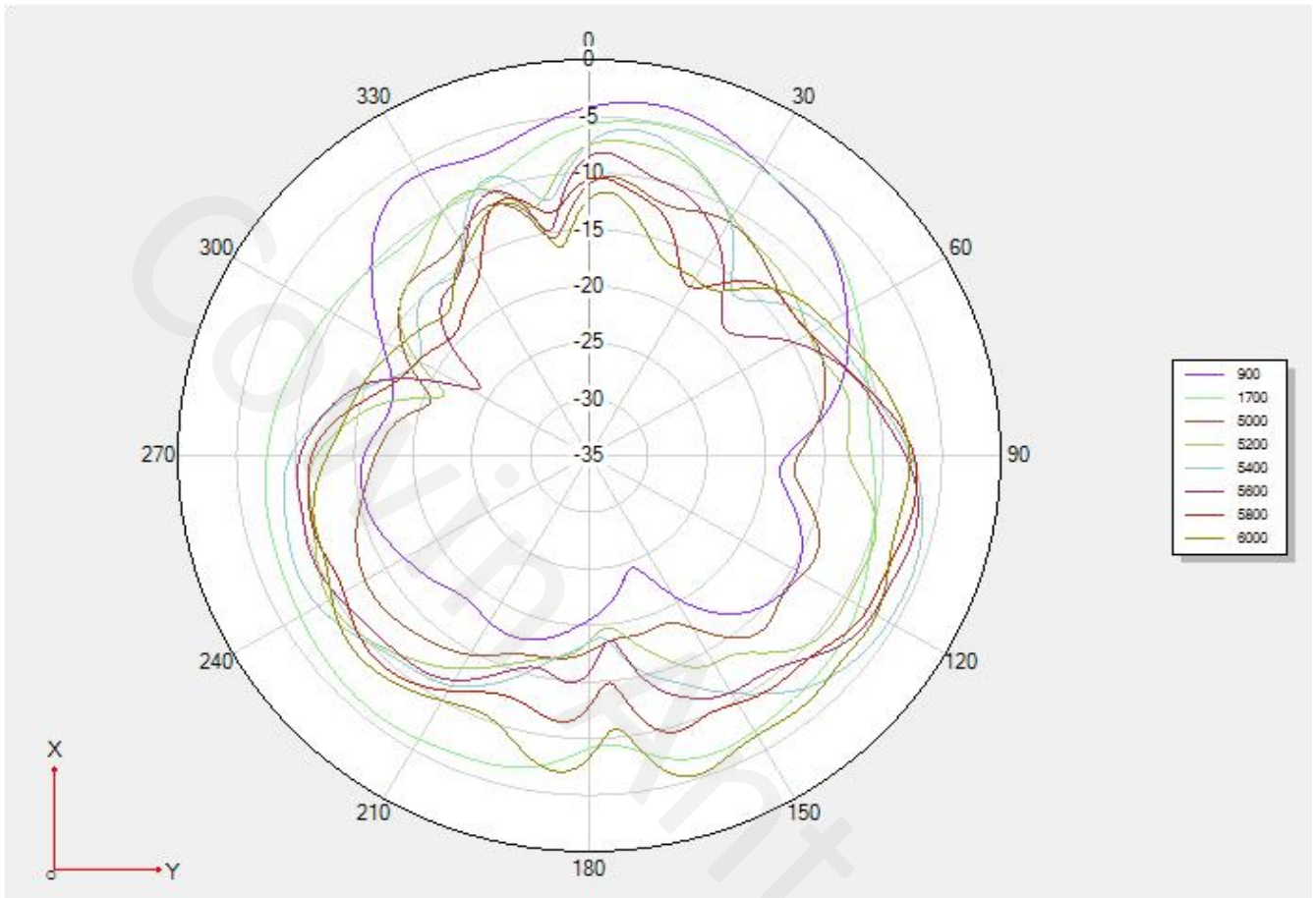
Peak Gain (Connector-2)

Frequency (MHz)	Max Gain (dBi)
900	2.12
1700	2.23
5000	2.49
5200	2.55
5400	2.14
5600	2.18
5800	2.44
6000	2.58

2D Radiation Patterns (Connector-1)







2D Radiation Patterns (Connector-2)

