

5dBi 2.4/5.8G Omni Antenna



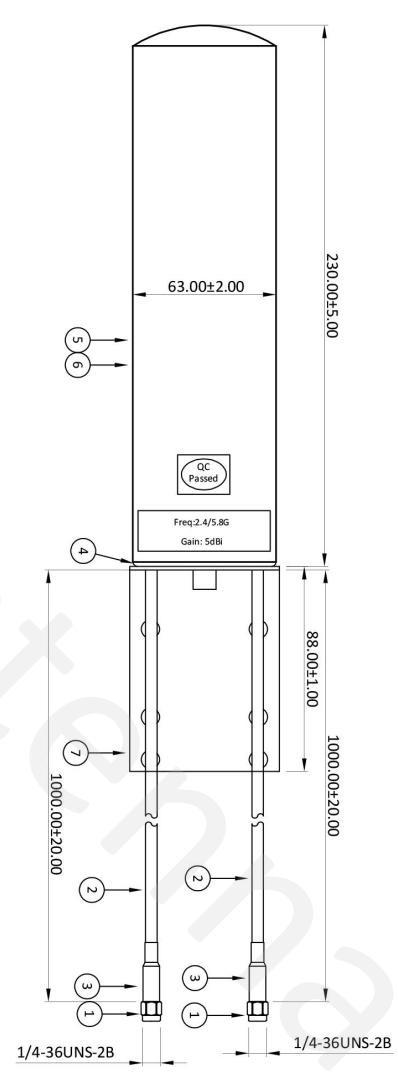
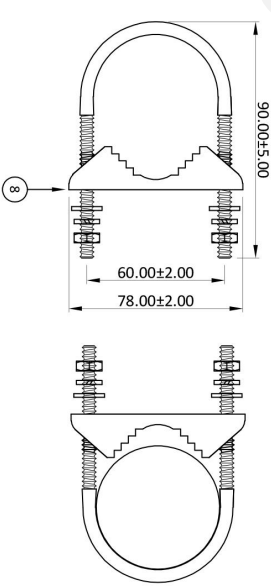
Electrical Specifications 电性指标

Part Number 料号	CWM2PVC2458V5C
Frequency Range 频率范围	2400-2500/5150-5850MHz
Bandwidth 带宽	100/700MHz
Peak Gain 峰值增益	5dBi
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	≤2.5
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*RG58 White/L=1M
Antenna Size 天线尺寸	230*63MM
Antenna Weight 天线重量	1.3KG
Radome Material 外罩材料	ABS
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	50-90MM
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



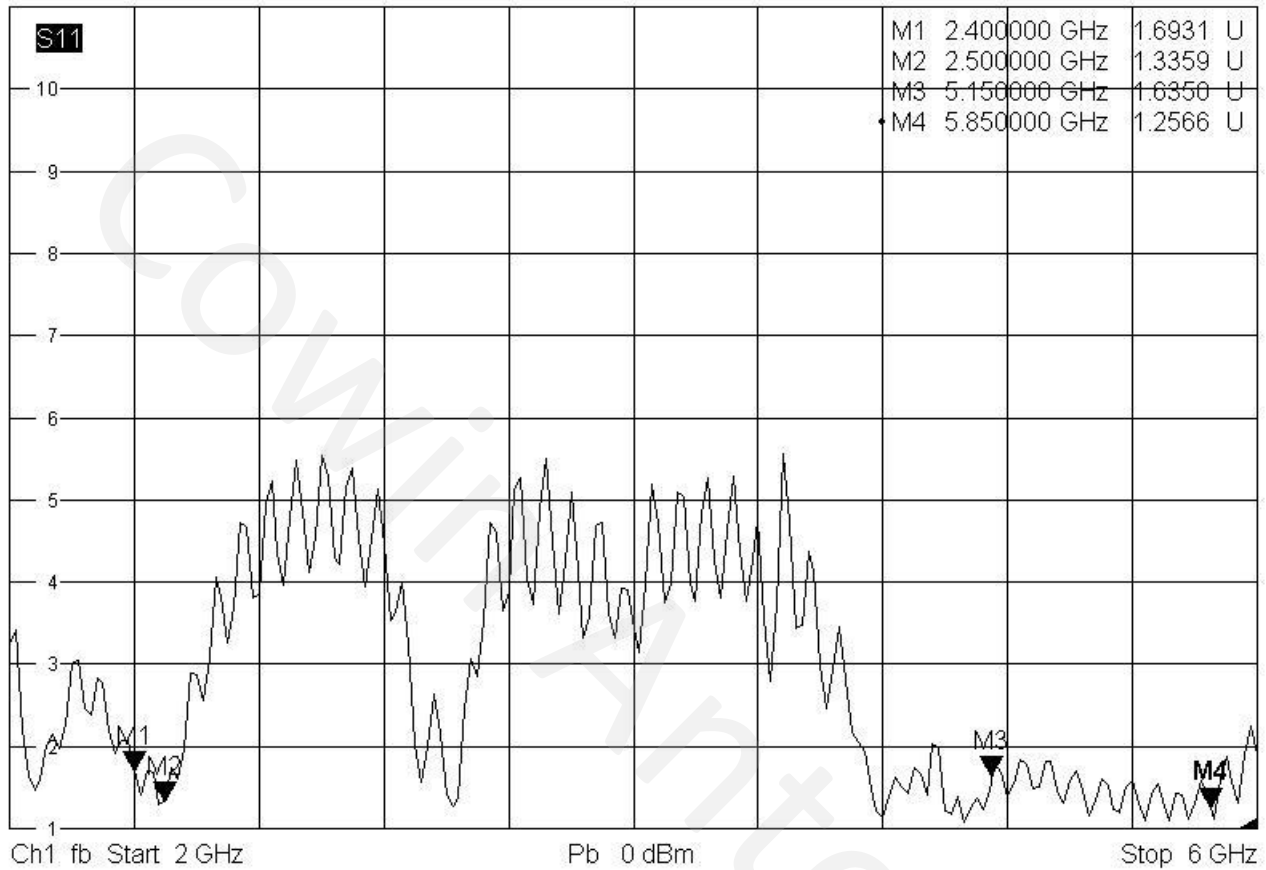
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Specification(Free Test): Frequency Range: 2400-2500/5150-5850MHz Impedance: 50Ω V.S.W.R: ≤ 2.5 Power range: 50W Operating Temperature: -40℃~+85℃ 100% Continuity,short and open circuit test Materials,parts and process must by environmentally (ROHS and REACH)																																																																																														
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V.S.W.R (Connector-1)



Trc1 — S11 SWR 1 U/ Ref 1 U Cal

1



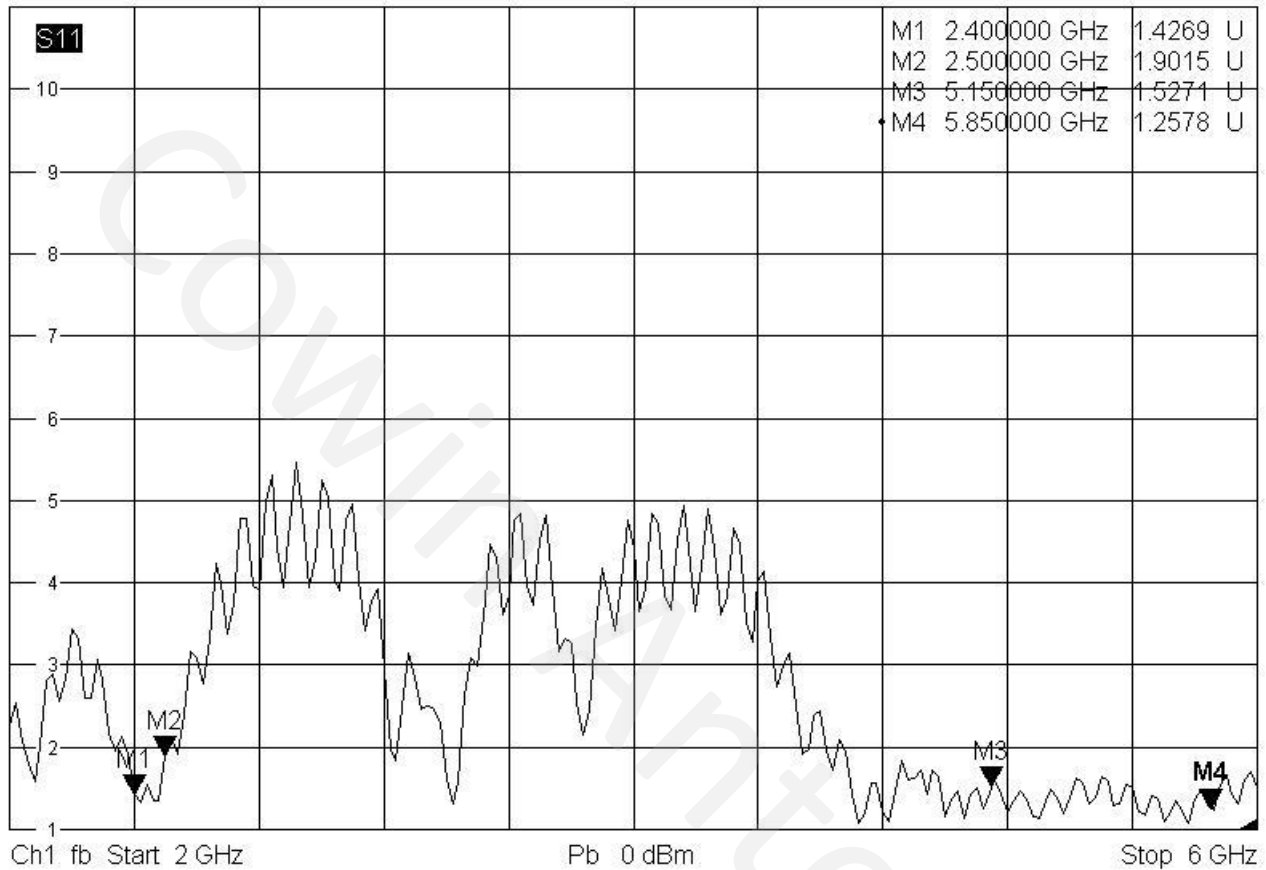
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V.S.W.R (Connector-2)



Trc1 — S11 SWR 1 U / Ref 1 U Cal

1



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Efficiency (Connector-1)

Frequency (MHz)	Efficiency (%)
2400	77.8
2450	68.55
2500	76.03
5150	69.72
5300	66.56
5500	66.98
5725	69.36
5850	65.97

Efficiency (Connector-2)

Frequency (MHz)	Efficiency (%)
2400	77.31
2450	68.55
2500	76.03
5150	69.73
5300	66.52
5500	66.68
5725	69.66
5850	65.37

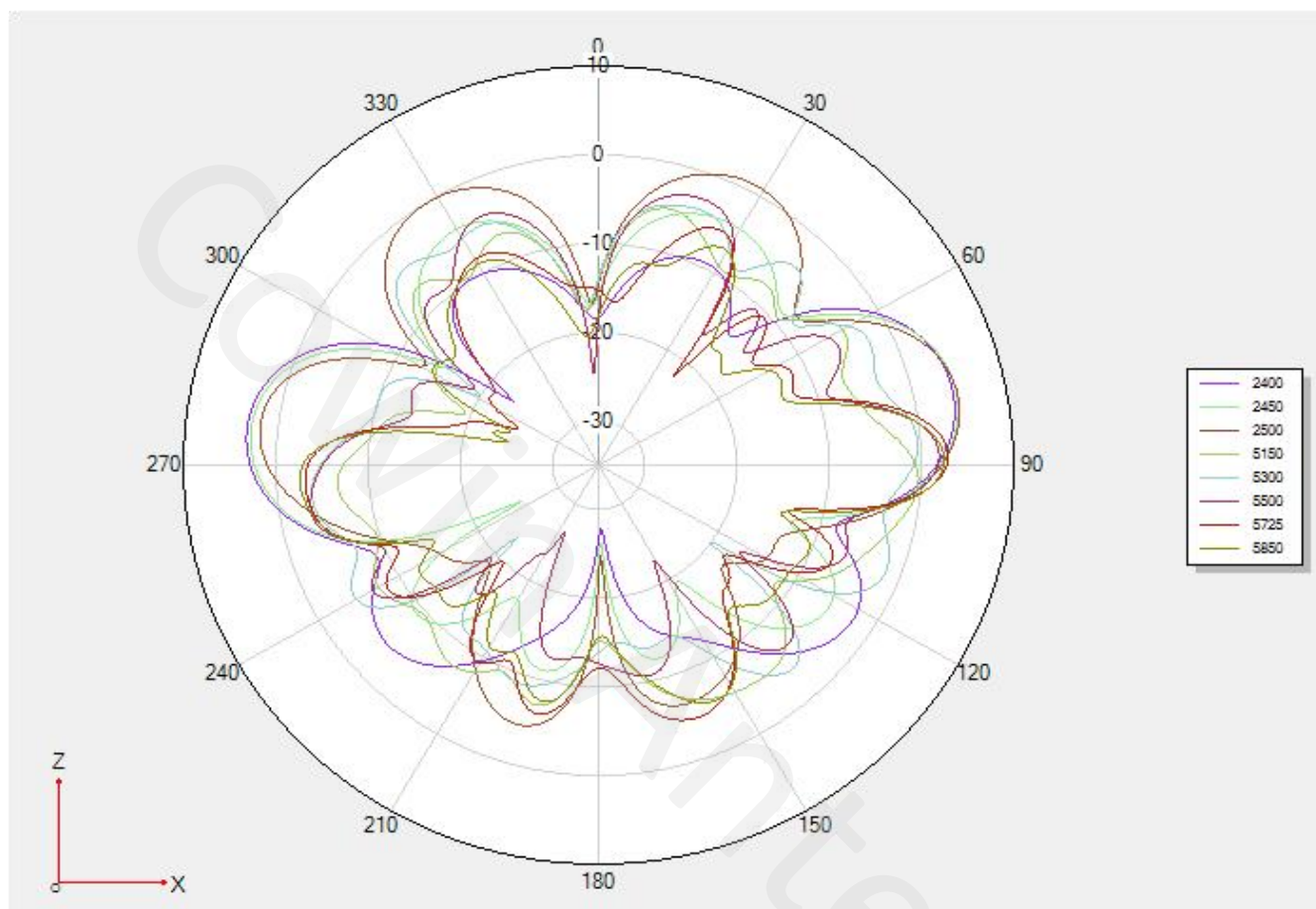
Peak Gain (Connector-1)

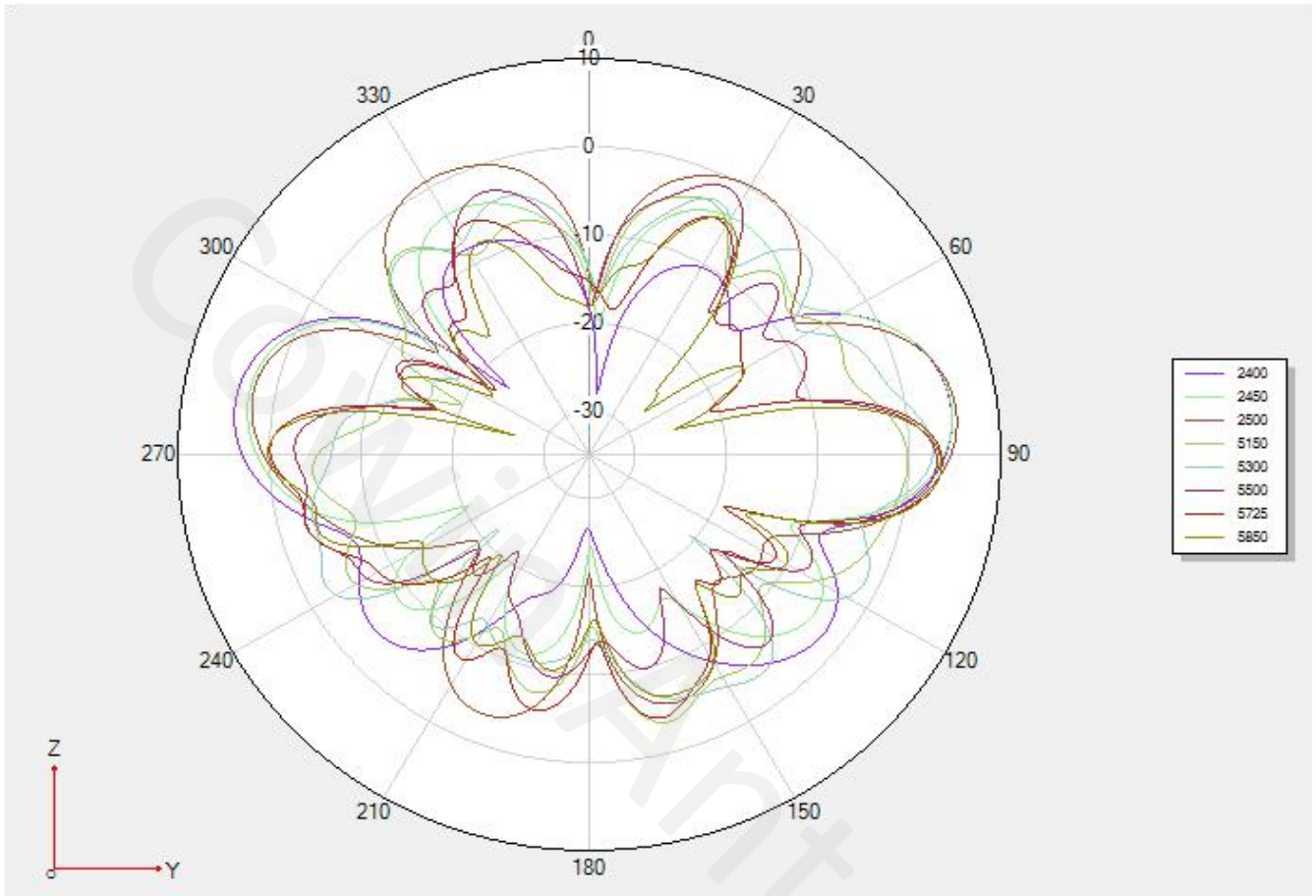
Frequency (MHz)	Max Gain (dBi)
2400	4.41
2450	4.27
2500	4.81
5150	4.72
5300	4.61
5500	4.07
5725	4.27
5850	4.79

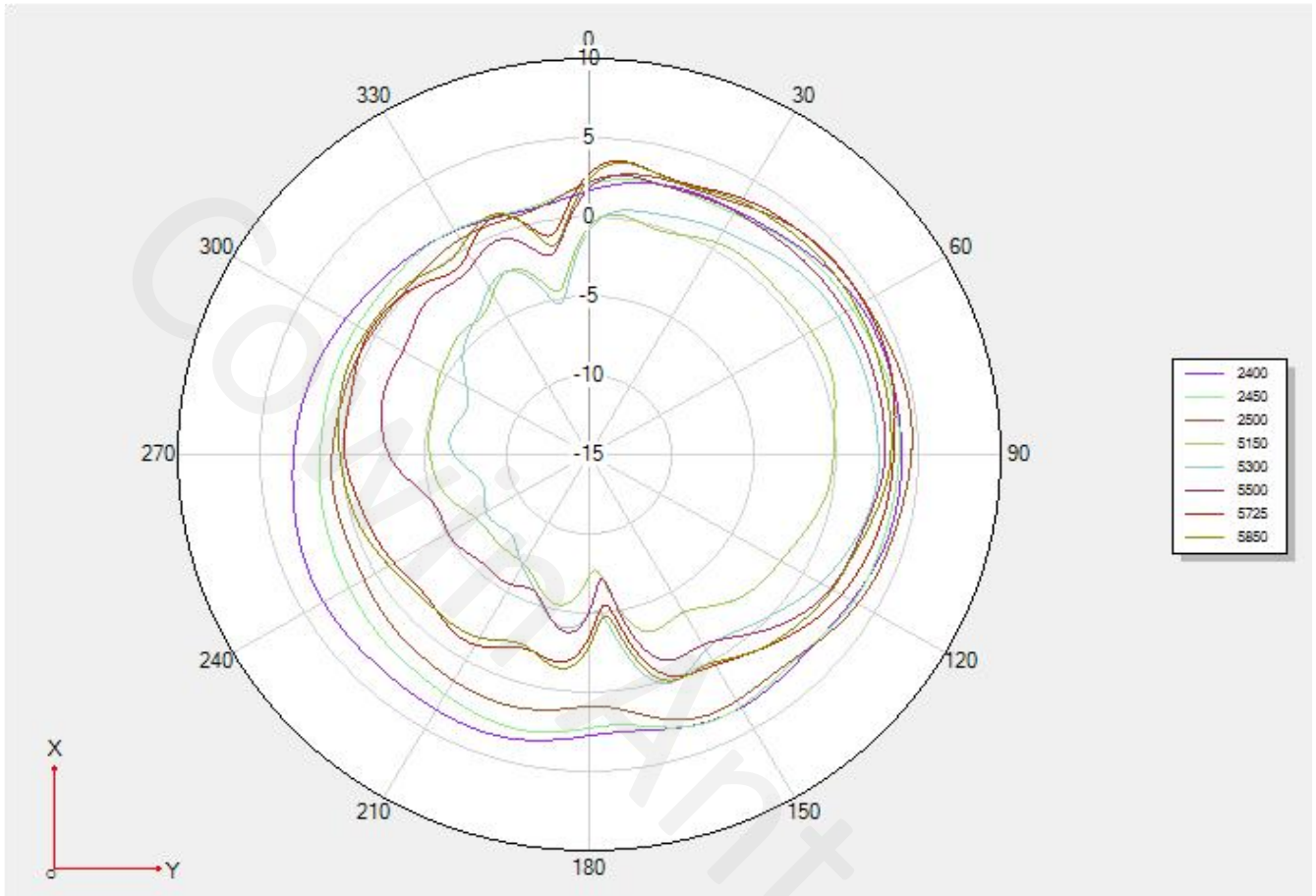
Peak Gain (Connector-2)

Frequency (MHz)	Max Gain (dBi)
2400	4.41
2450	4.27
2500	4.81
5150	4.72
5300	4.61
5500	4.07
5725	4.27
5850	4.79

2D Radiation Patterns (Connector-1)







2D Radiation Patterns (Connector-2)

