

5dBi 2.4/5.8G Omni Antenna



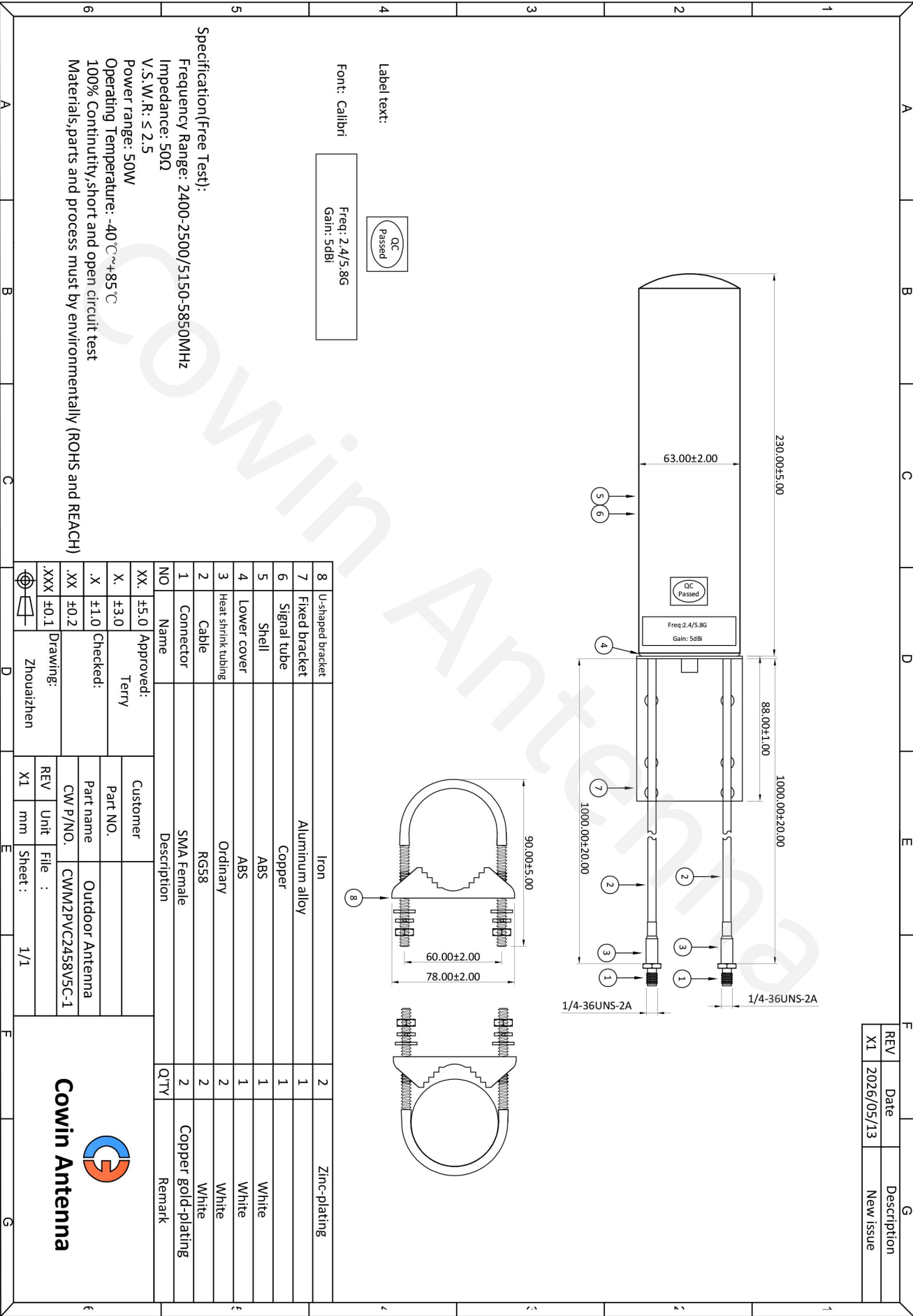
Electrical Specifications 电性指标

Part Number 料号	CWM2PVC2458V5C-1
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 Female
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



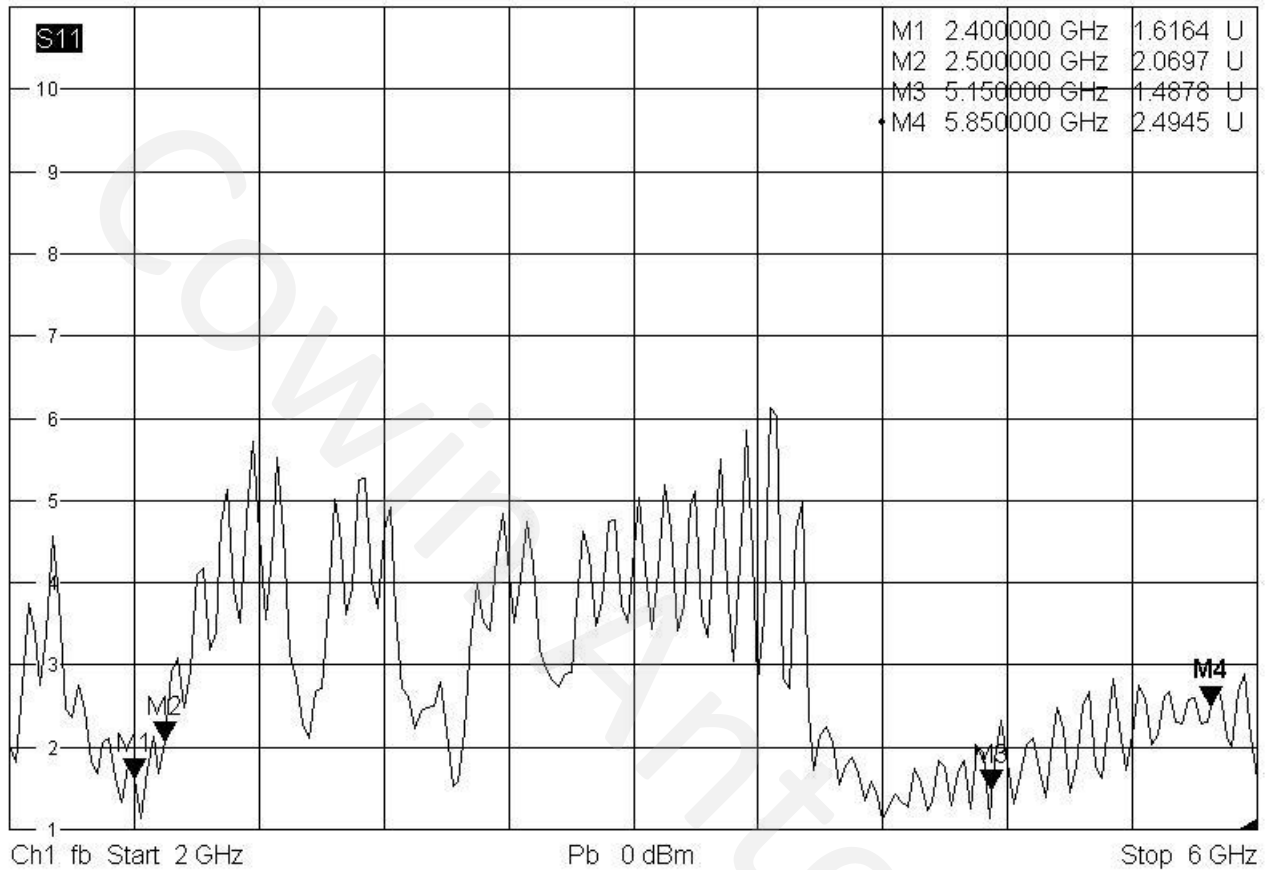


V.S.W.R (Connector-1)



Trc1 — S11 SWR 1 U / Ref 1 U Cal

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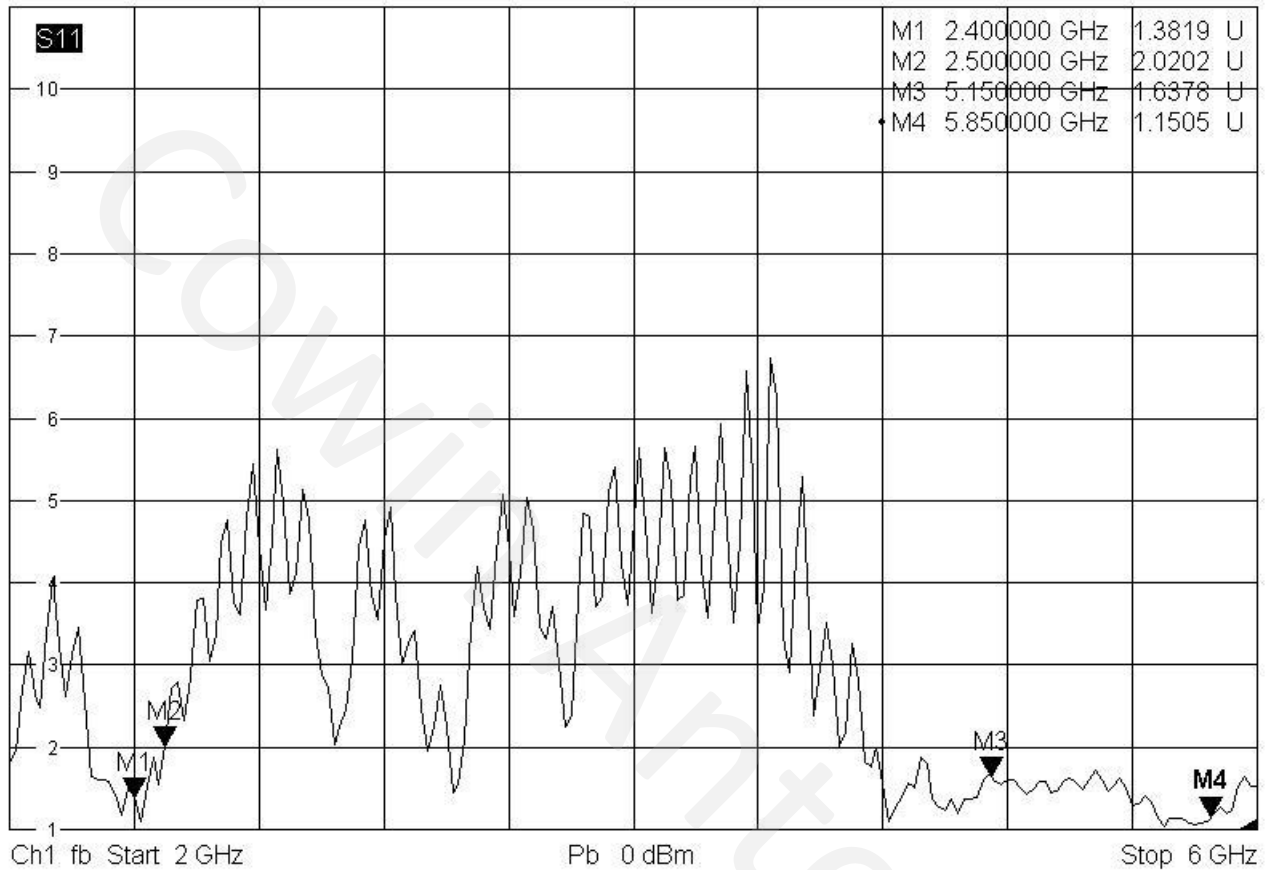
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V.S.W.R (Connector-2)



Trc1 — S11 SWR 1 U / Ref 1 U Cal

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Efficiency (Connector-1)

Frequency (MHz)	Efficiency (%)
2400	68.1
2450	79.79
2500	65.5
5150	69.98
5250	69.62
5350	65.51
5450	64.14
5550	66.3
5650	67.8
5750	69.62
5850	61.47

Efficiency (Connector-2)

Frequency (MHz)	Efficiency (%)
2400	68.1
2450	79.79
2500	65.5
5150	69.98
5250	69.62
5350	65.51
5450	64.14
5550	66.3
5650	67.8
5750	69.62
5850	61.47

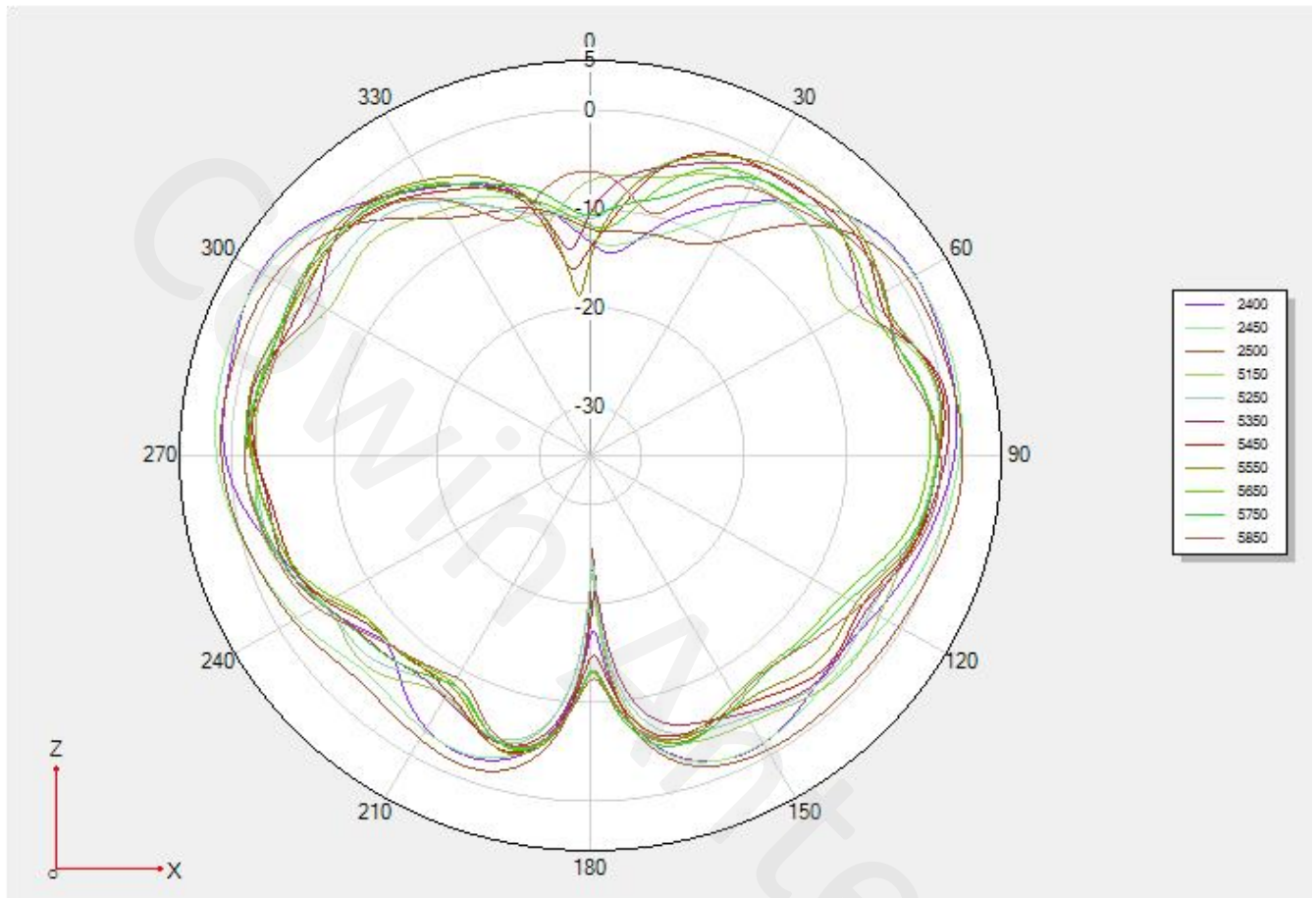
Peak Gain (Connector-1)

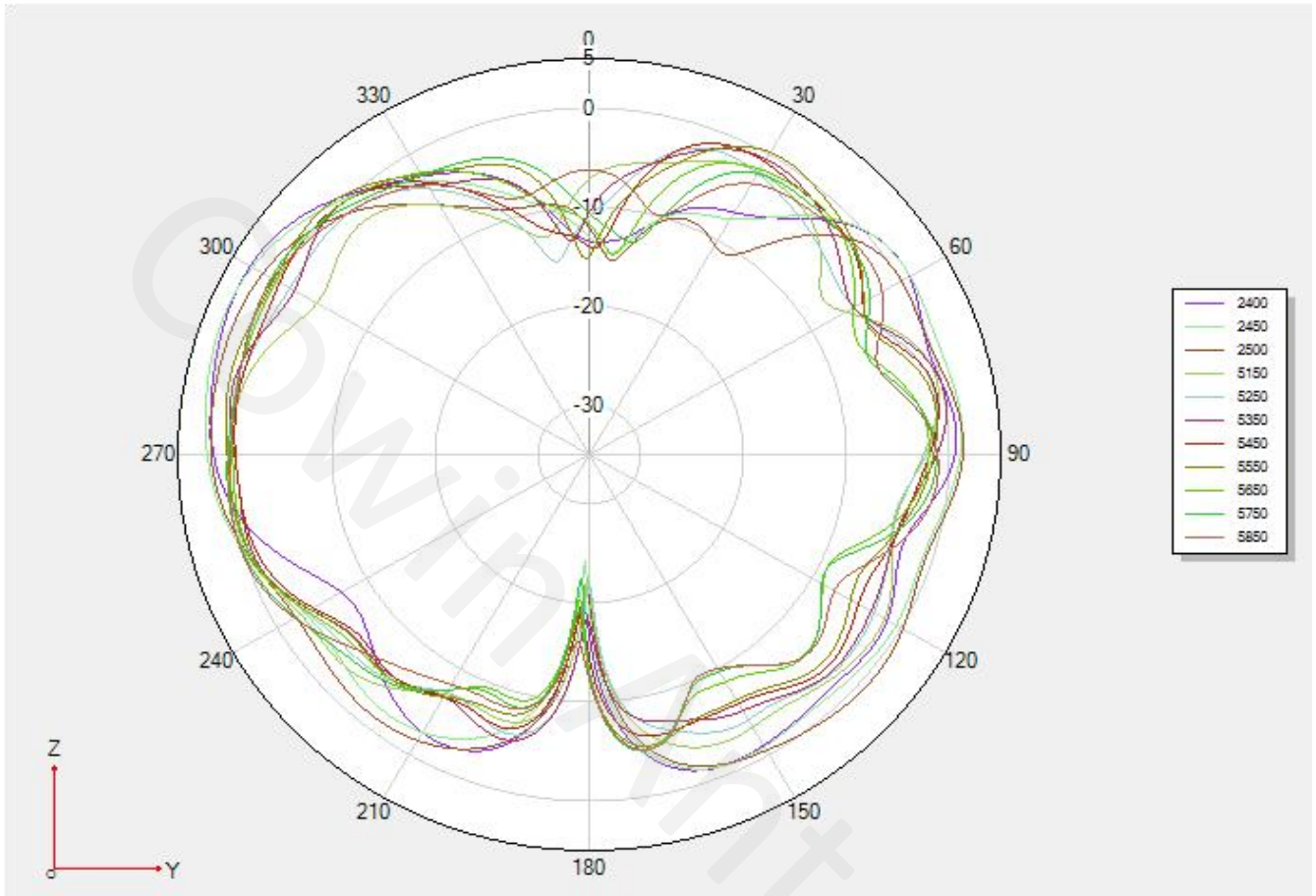
Frequency (MHz)	Max Gain (dBi)
2400	4.35
2450	4.37
2500	4.44
5150	4.44
5250	4.87
5350	4.45
5450	4.67
5550	4.59
5650	4.56
5750	4.43
5850	4.64

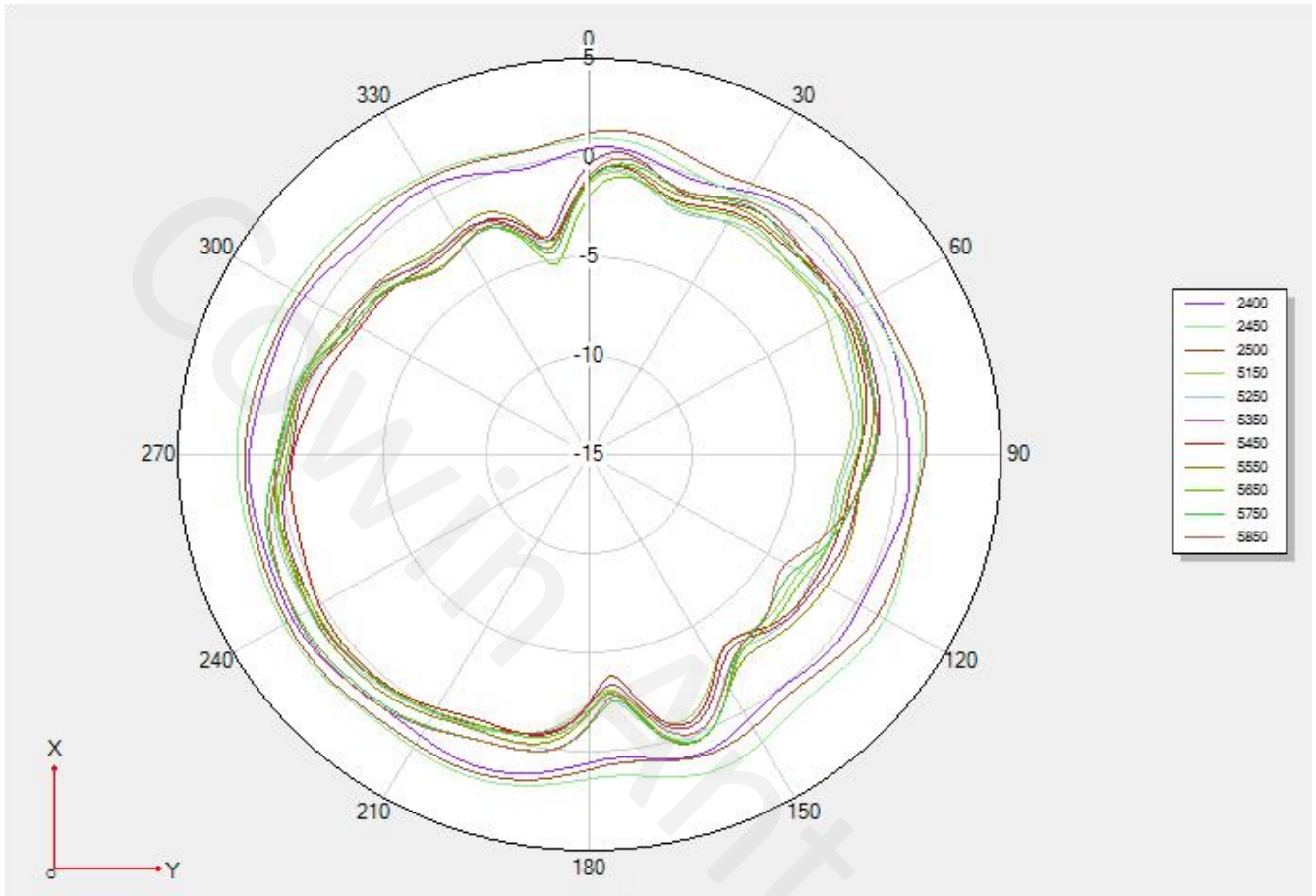
Peak Gain (Connector-2)

Frequency (MHz)	Max Gain (dBi)
2400	4.45
2450	4.34
2500	4.34
5150	4.45
5250	4.57
5350	4.41
5450	4.63
5550	4.54
5650	4.76
5750	4.49
5850	4.65

2D Radiation Patterns (Connector-1)







2D Radiation Patterns (Connector-2)

