

12/14dBi 2.4/5.8G Directional Antenna



Electrical Specifications 电性指标

Part Number 料号	CWM4PB2458-65D12D
Frequency Range 频率范围	2400-2500/5150-5850MHz
Bandwidth 带宽	100/700MHz
Peak Gain 峰值增益	12/14dBi
Radiation Direction 辐射方向	Directional
Polarization 极化方式	Vertical/Horizontal
Electrical Downtilt 电下倾角	0°
Half Power Beamwidths 半功率波瓣宽度	H: 65°/H: 35° E: 35°/E: 35°
First Upper Sidelobe Suppression 第一上旁瓣抑制	/
Front-to-rear ratio 前后比	≥25dB
Impedance 输入阻抗	50Ω
VSWR 电压驻波比	≤ 2.0/2.0
Maximum Power 最大功率	50W
Lightning Protection 雷电保护	DC Grounding

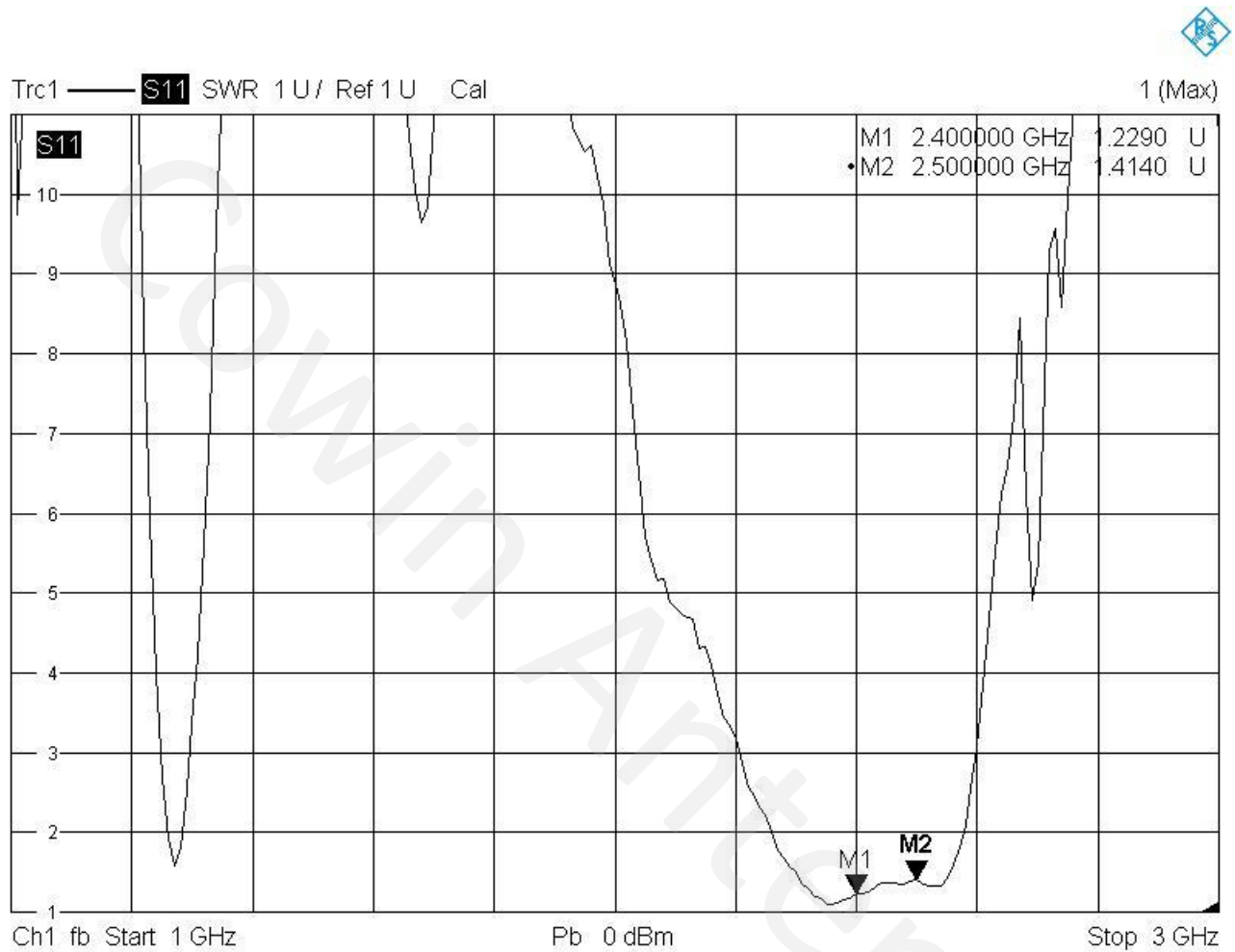
Mechanical Specifications 机械性能

Connector Type 接头类型	4*N Female
Connector Position 接头位置	Back
Cable type 线材类型	/
Antenna Size 天线尺寸	260*260*40MM
Antenna Weight 天线重量	0.7KG
Radome Material 外罩材料	ABS
Radome Colour 外罩颜色	White
Mechanically Adjustable Tilt Angle 机械可调倾角	0-30°
Temperature Range 温度	-40-60℃
Extreme Wind Speed 极限风速	60m/s
Pole Diameter 抱杆直径	35-50MM
Mounting Method 安装方式	Pole Mount
Mounting Model 安装件型号	MK004R/Dacromet
Environmental Standards 环保标准	ROHS/REACH



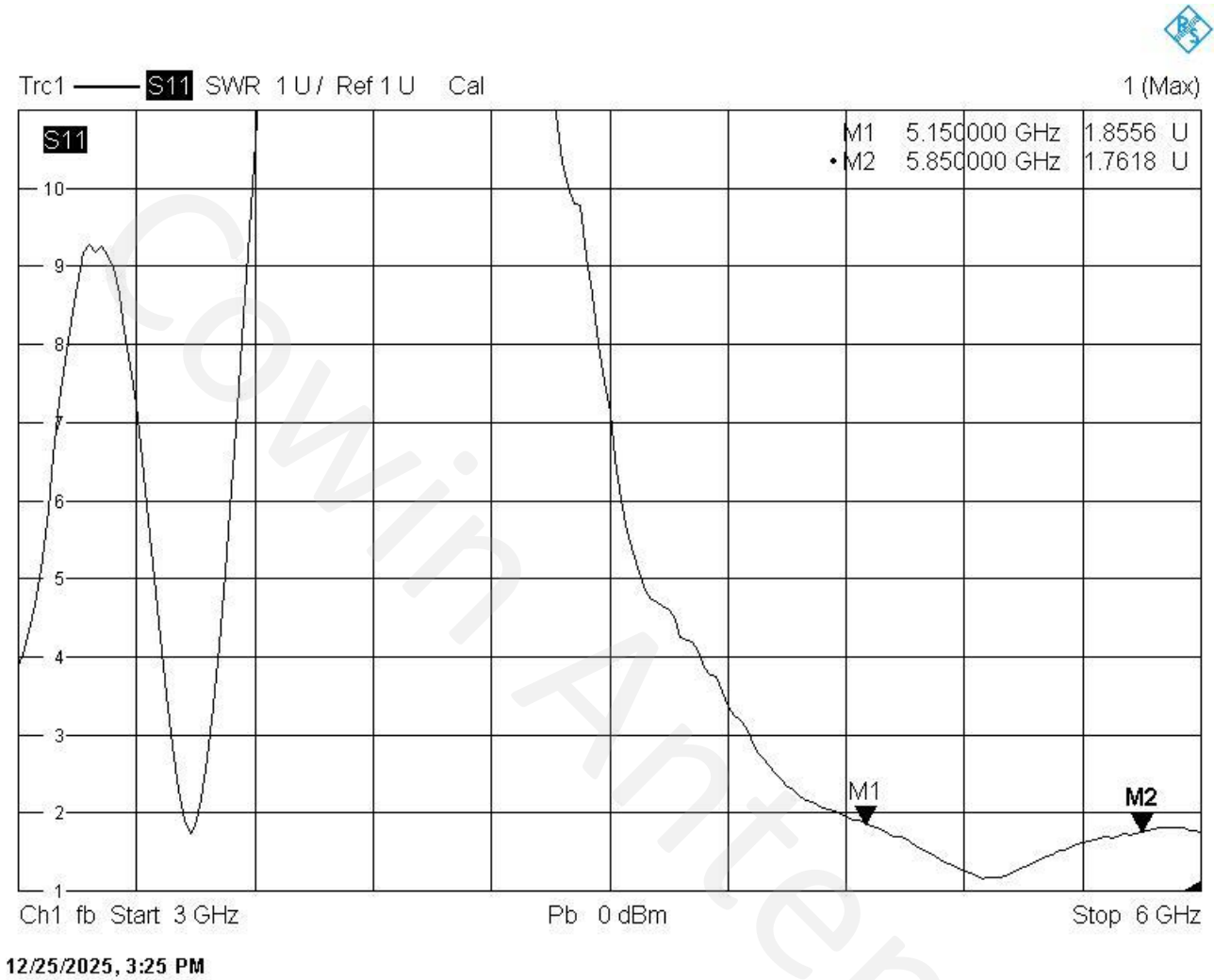
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V.S.W.R (H2400-2500)

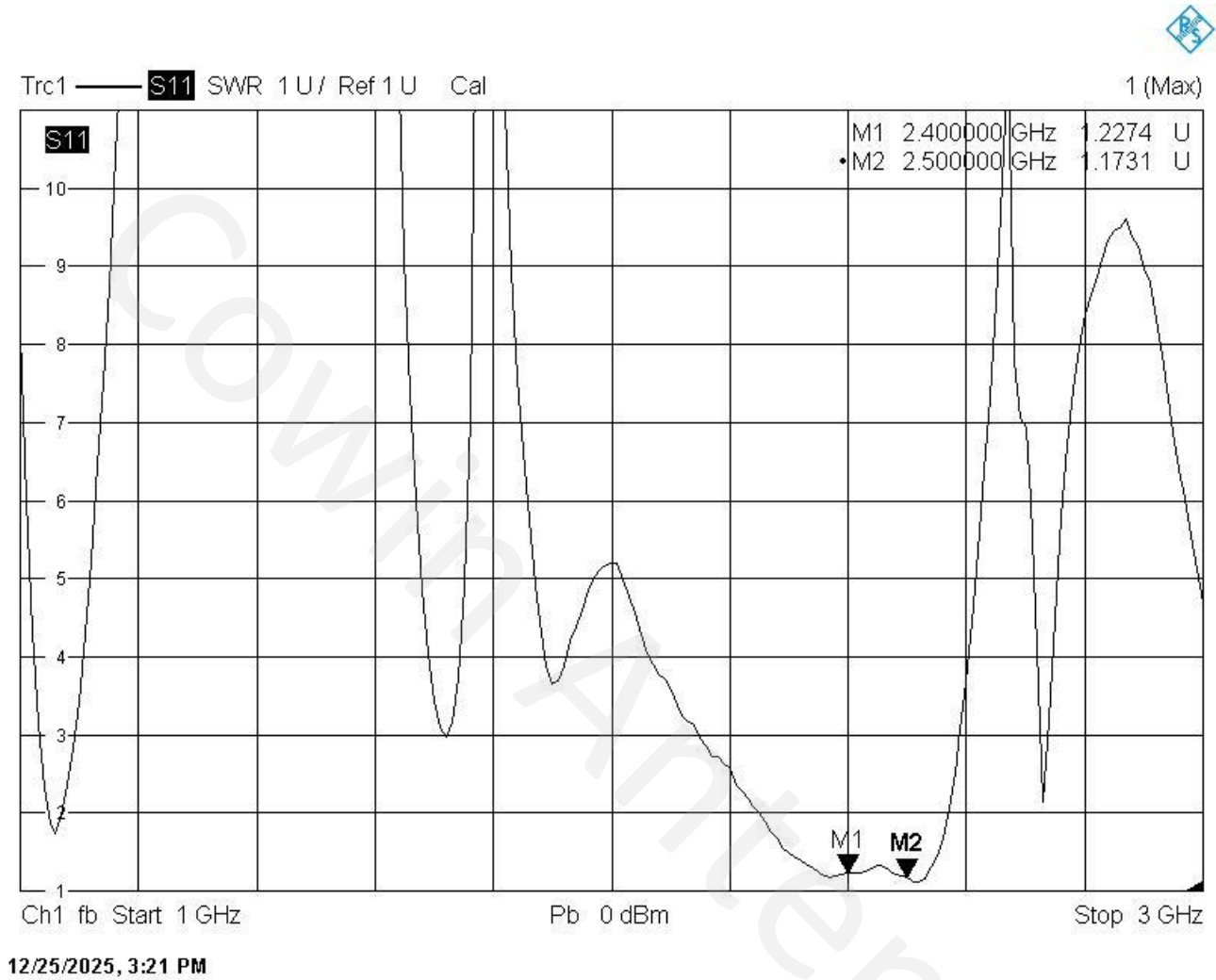


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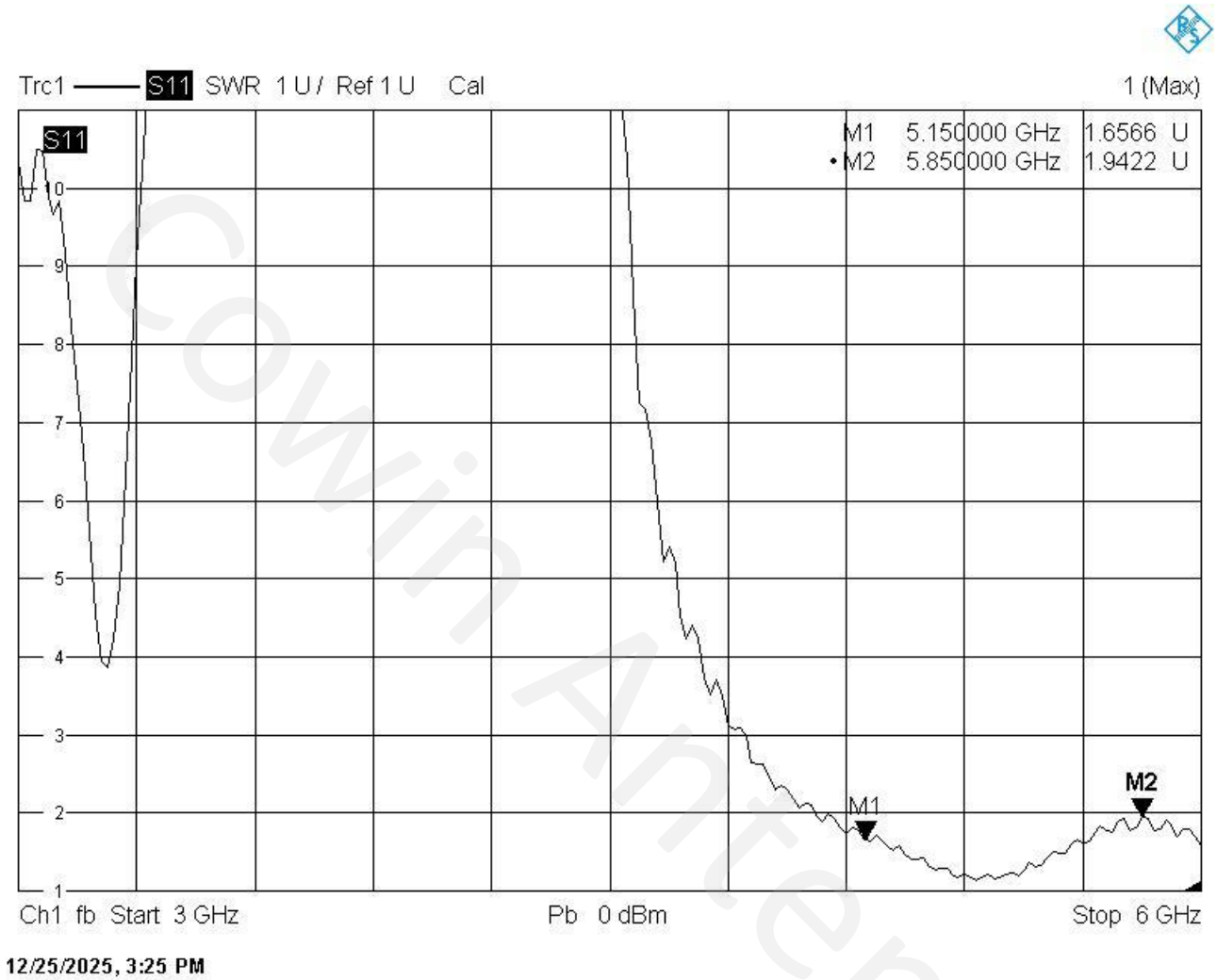
V.S.W.R (H51500-5850)



V.S.W.R (V2400-2500)



V.S.W.R (V51500-5850)



Efficiency (H2400-2500)

Frequency (MHz)	Efficiency (%)
2400	67.92
2425	66.53
2450	66.83
2475	65.61
2500	65.31

Efficiency (H51500-5850)

Frequency (MHz)	Efficiency (%)
5150	64.77
5325	61.02
5500	66.03
5675	64.16
5850	64.77

Efficiency (V2400-2500)

Frequency (MHz)	Efficiency (%)
2400	70.31
2425	69.18
2450	72.28
2475	73.28
2500	70.96

Efficiency (V51500-5850)

Frequency (MHz)	Efficiency (%)
5150	61.76
5325	66.45
5500	66.34
5675	63.75
5850	63.15

Peak Gain (H2400-2500)

Frequency (MHz)	Max Gain (dBi)
2400	11.53
2425	11.69
2450	11.63
2475	11.58
2500	11.59

Peak Gain (H51500-5850)

Frequency (MHz)	Max Gain (dBi)
5150	13.62
5325	13.56
5500	13.55
5675	13.61
5850	13.42

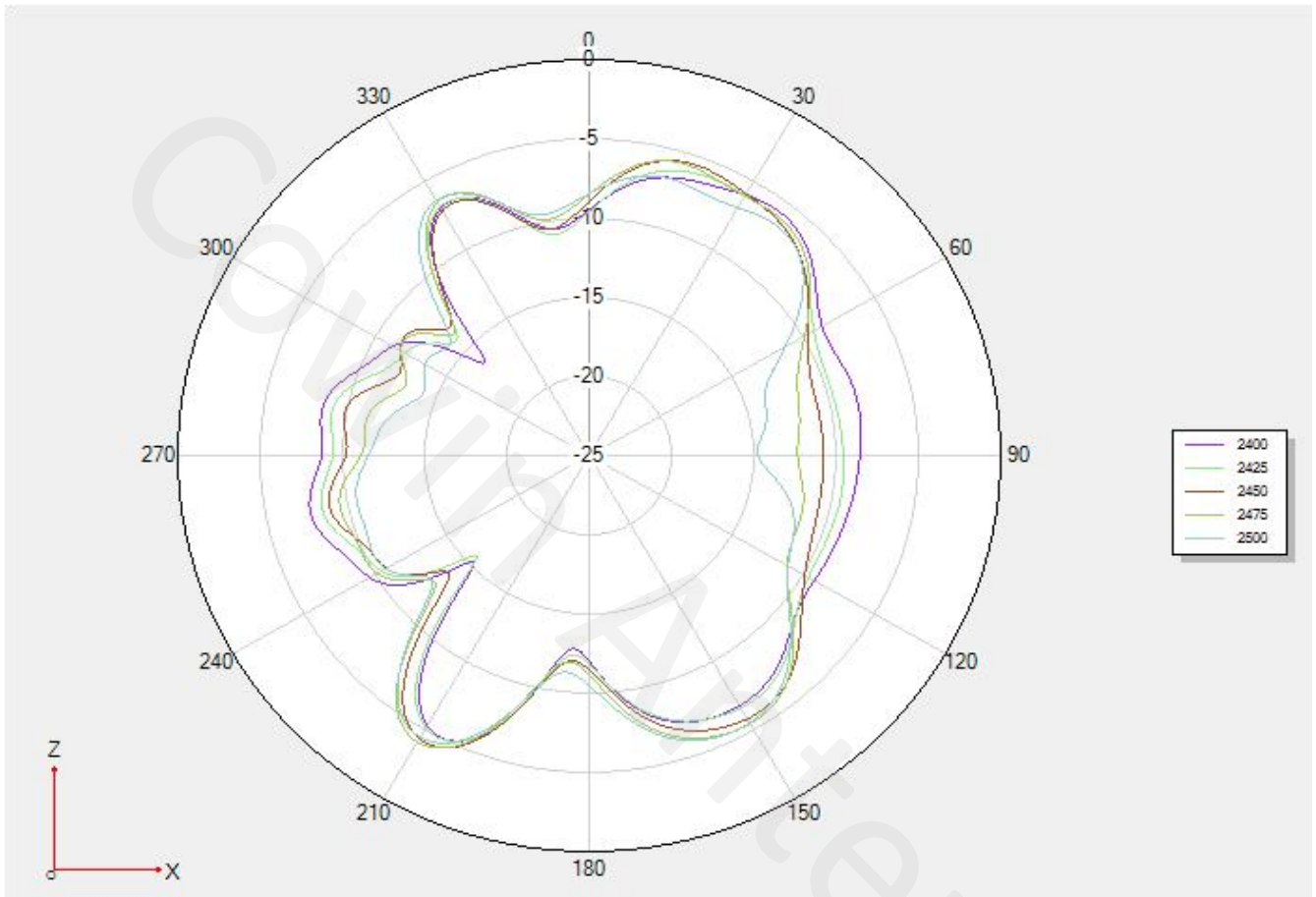
Peak Gain (V2400-2500)

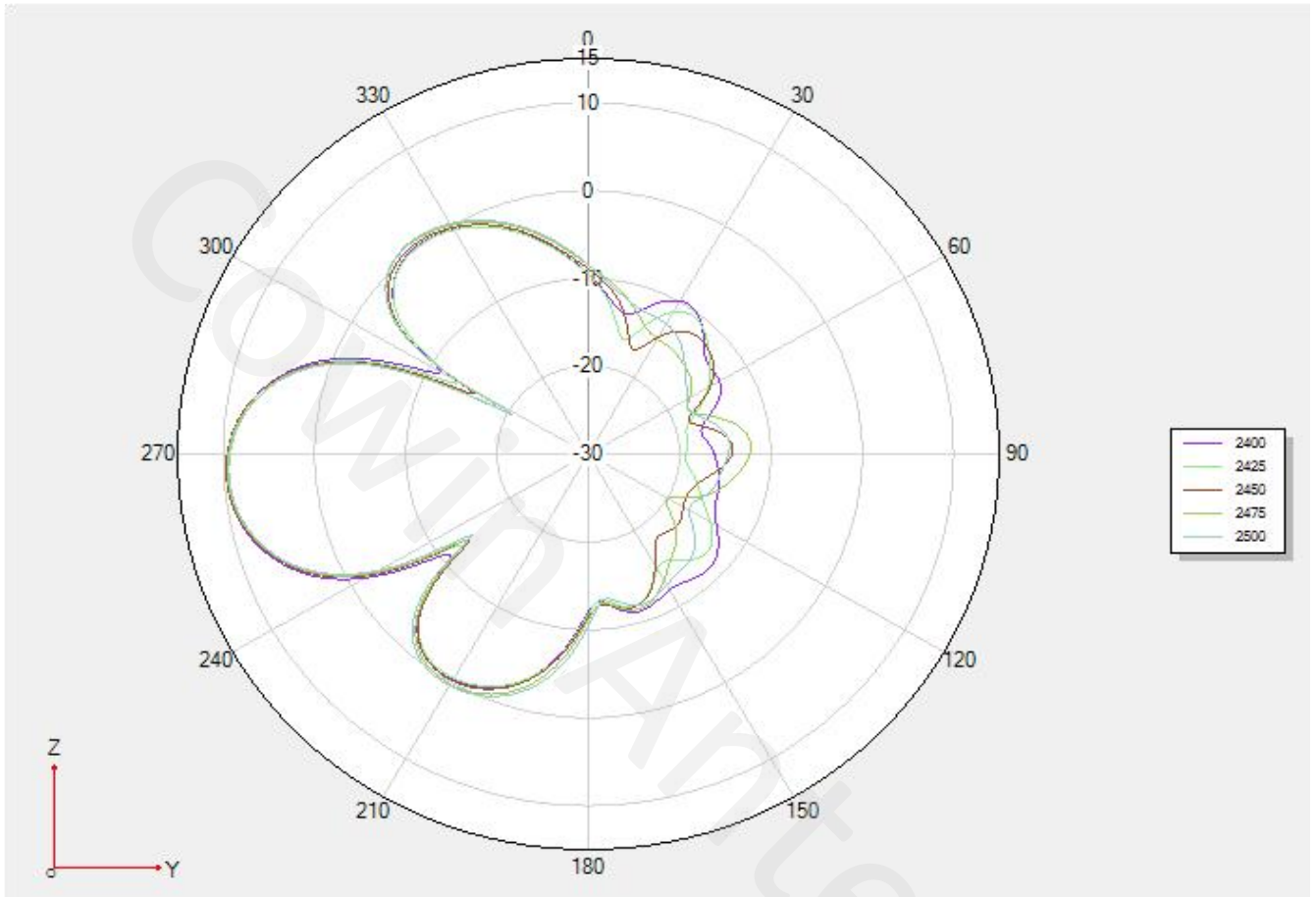
Frequency (MHz)	Max Gain (dBi)
2400	11.39
2425	11.41
2450	11.65
2475	11.64
2500	11.35

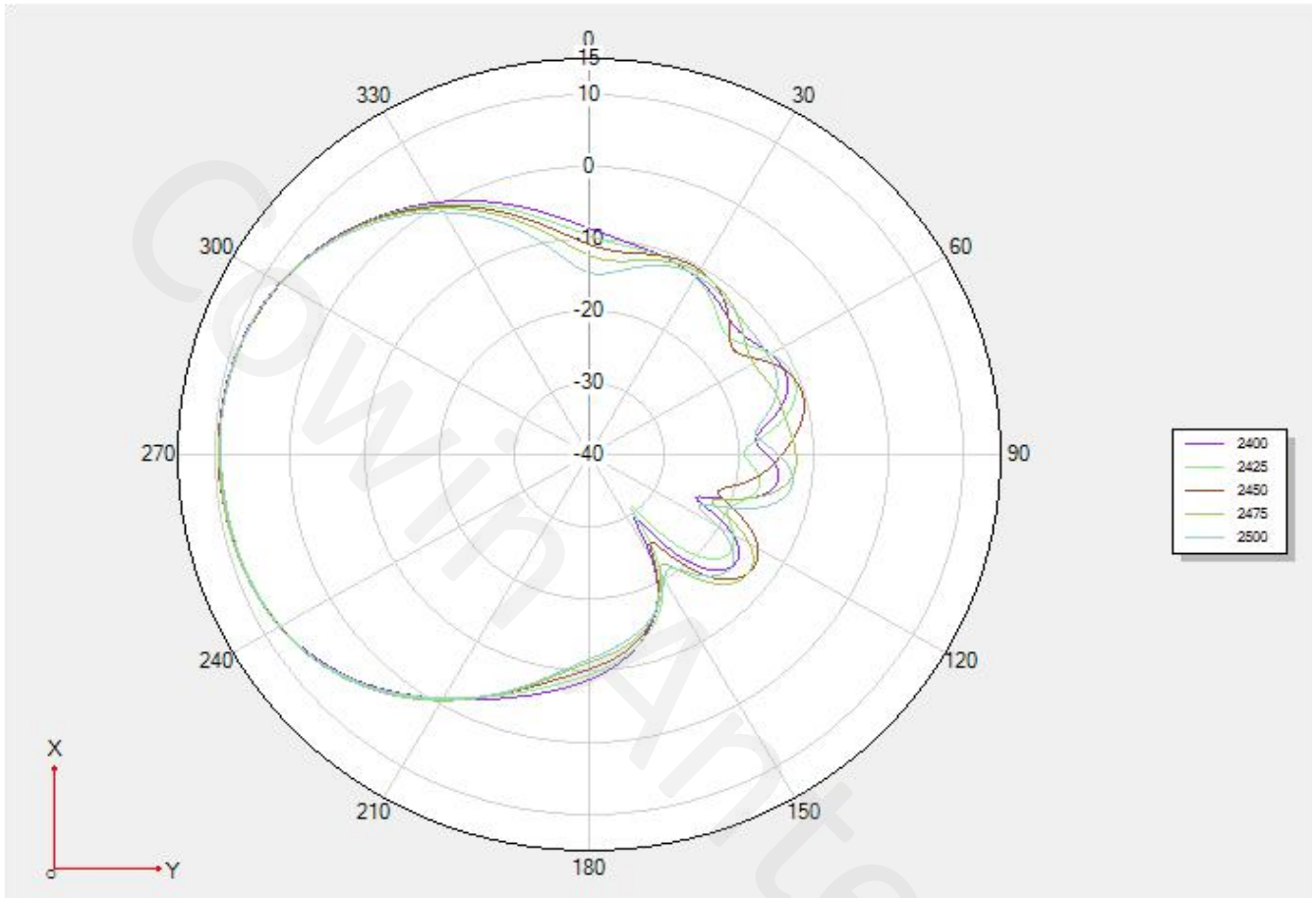
Peak Gain (V51500-5850)

Frequency (MHz)	Max Gain (dBi)
5150	13.38
5325	13.27
5500	13.41
5675	13.56
5850	13.65

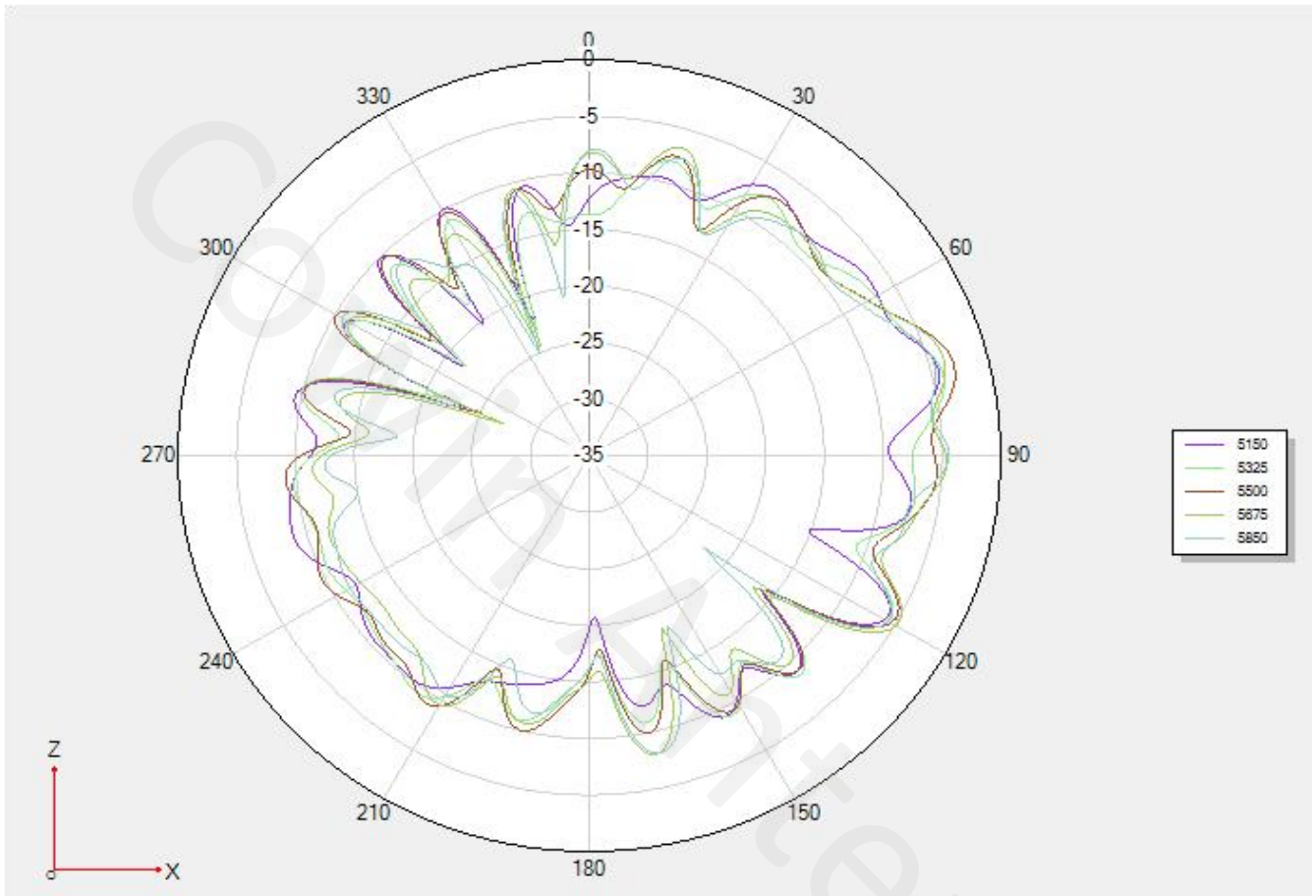
2D Radiation Patterns (H2400-2500)

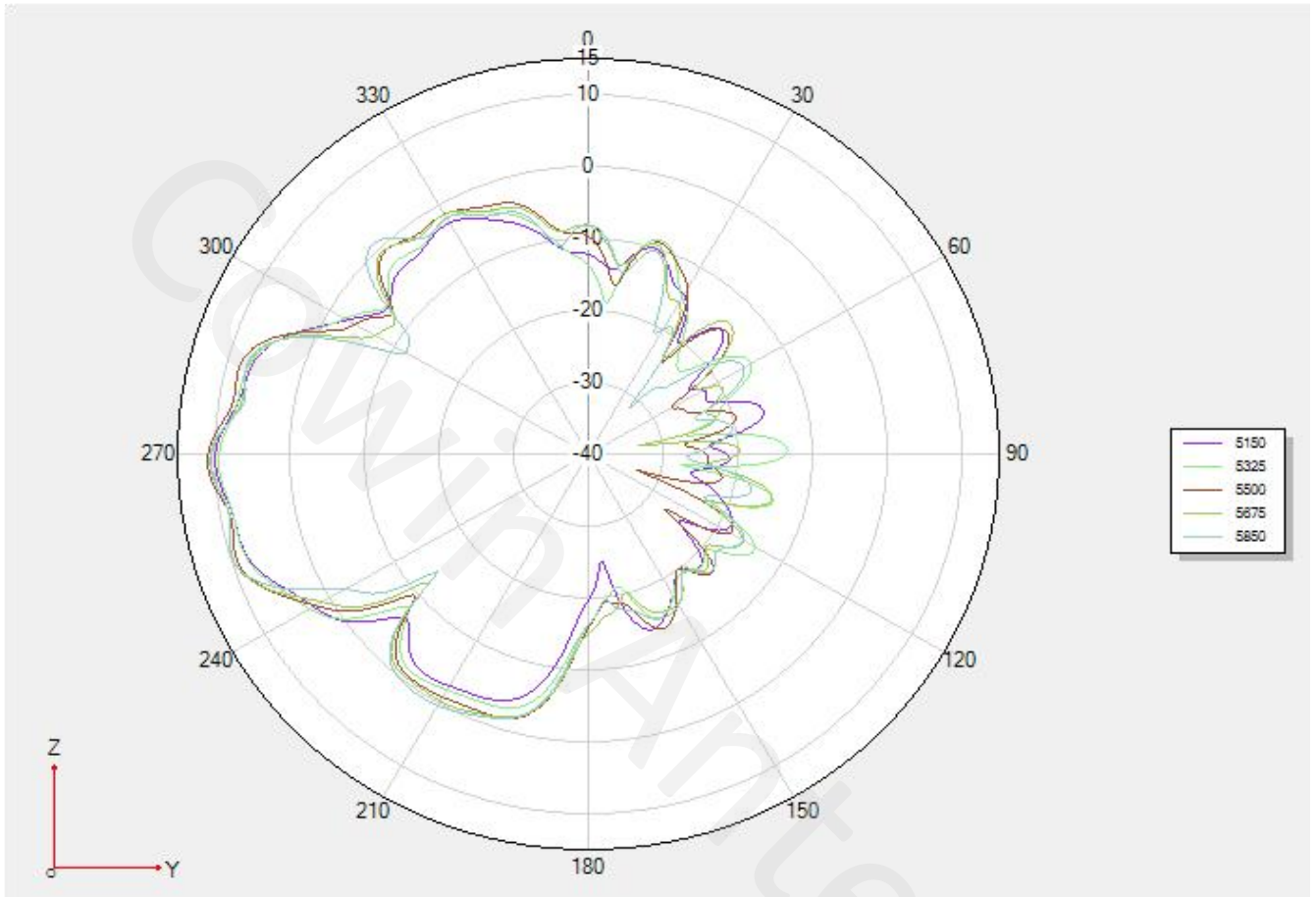


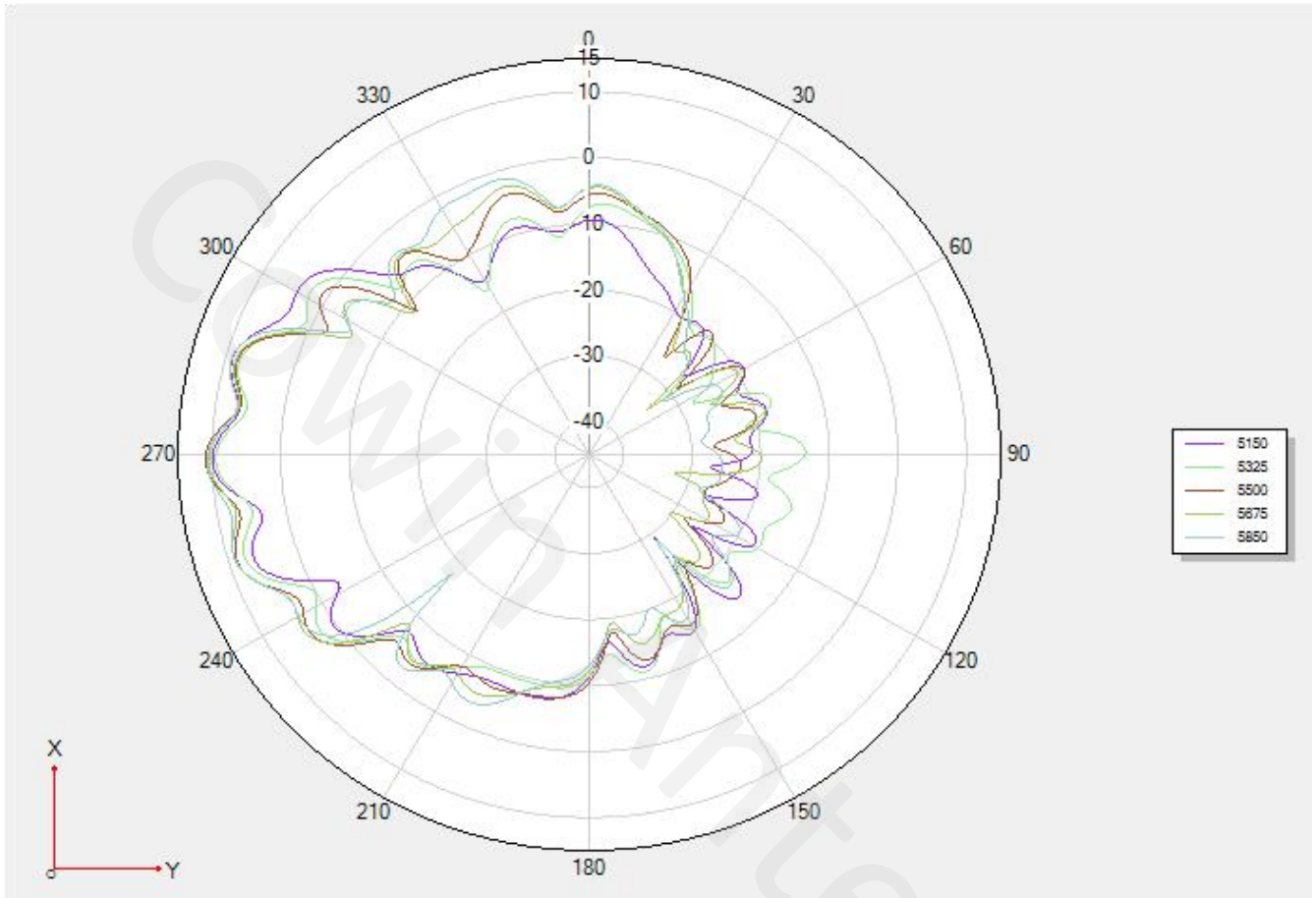




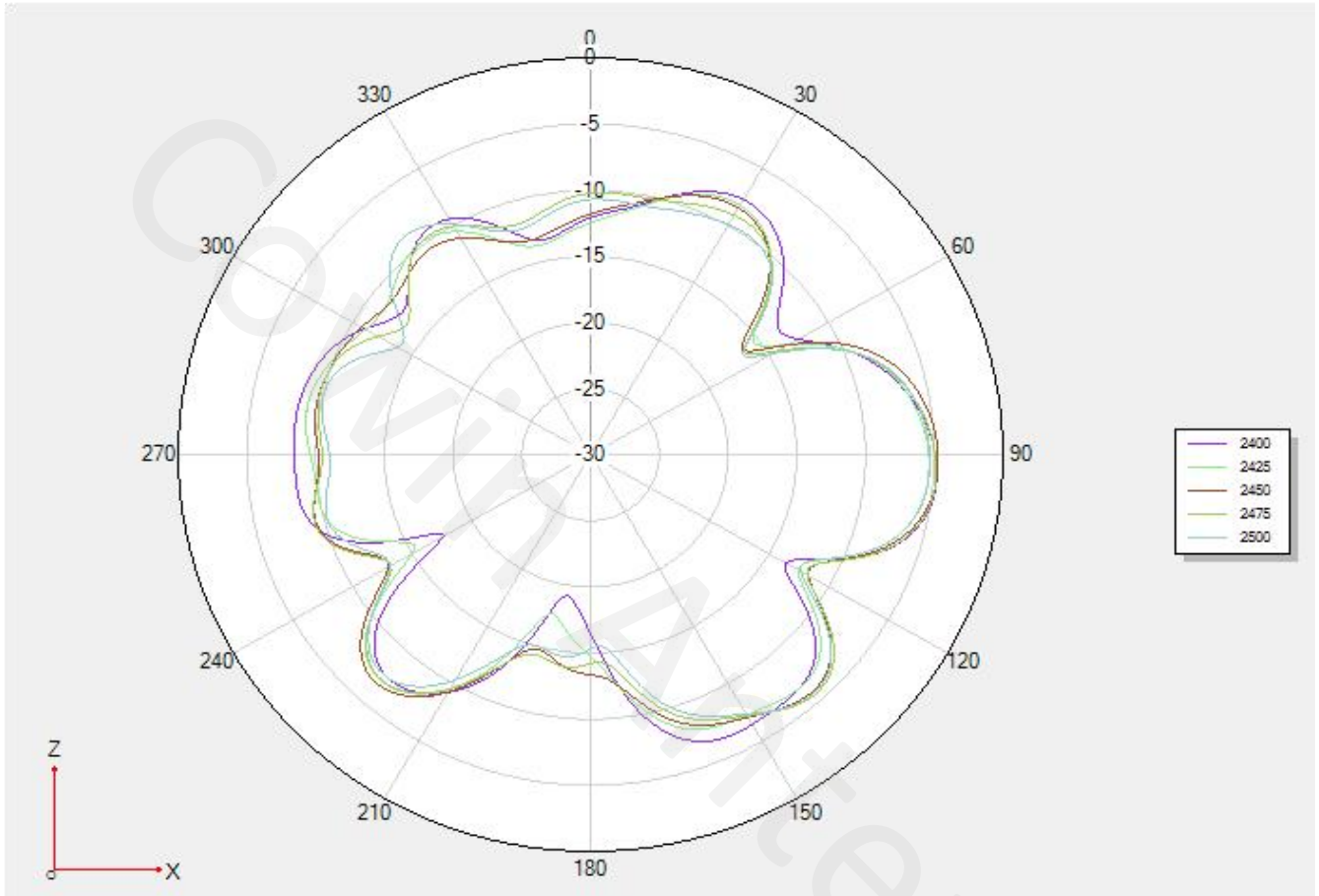
2D Radiation Patterns (H51500-5850)

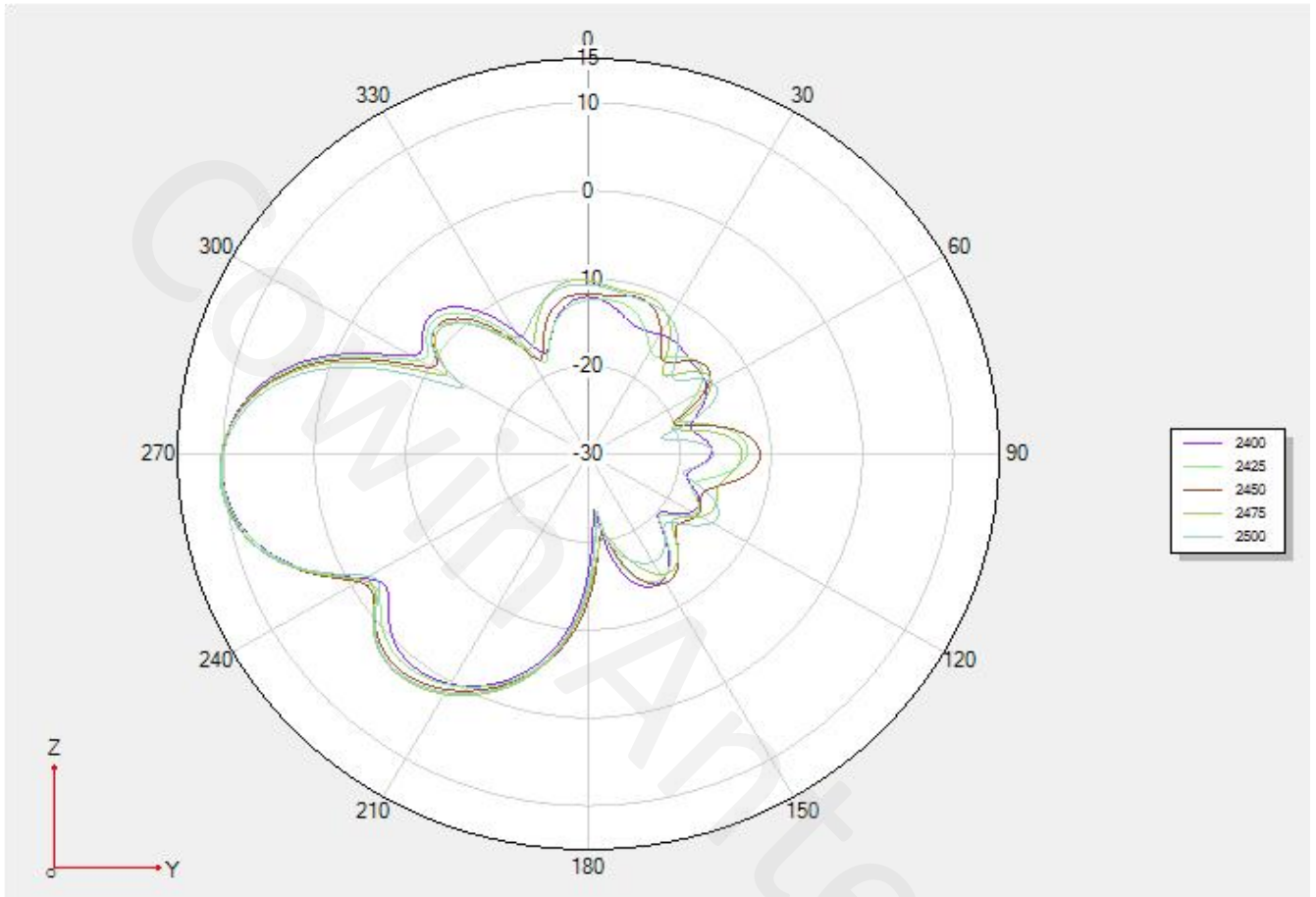


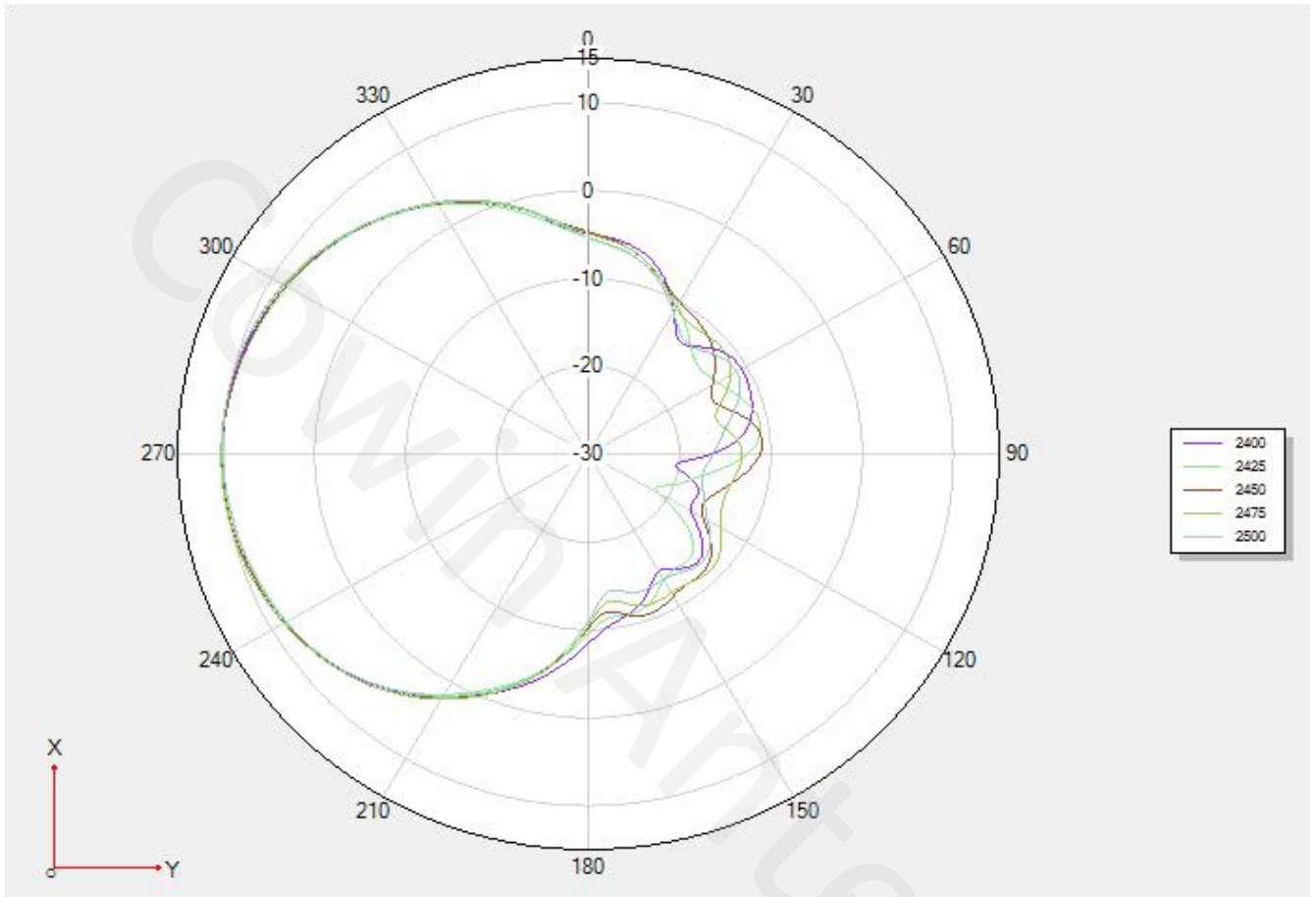




2D Radiation Patterns (V2400-2500)







2D Radiation Patterns (V51500-5850)

