

Directional Panel Antenna



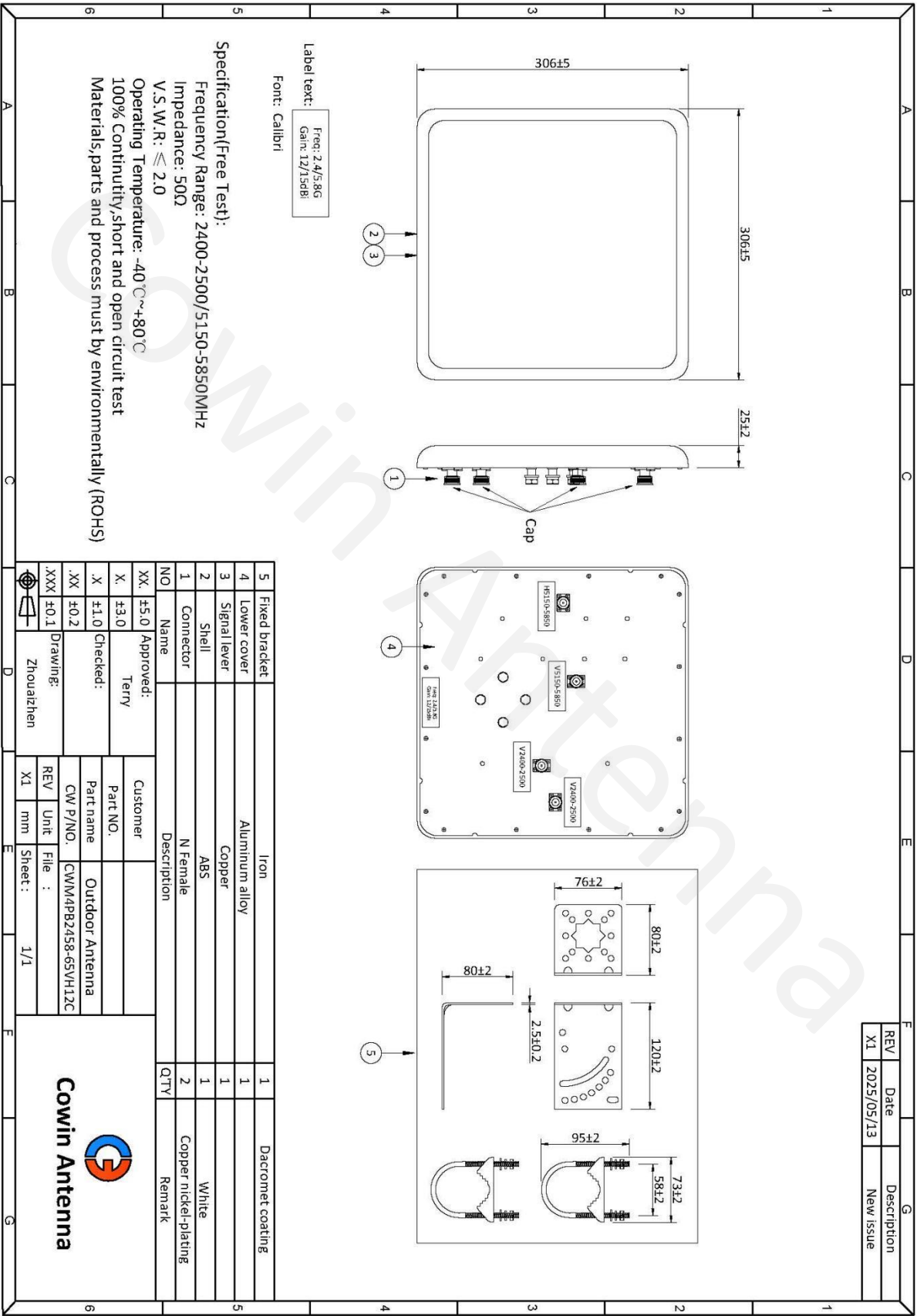
Electrical Specifications 电性指标

Part Number 料号	CWM4PB2458-65VH12C
Frequency Range 频率范围	2400-2500/5150-5850MHz
Bandwidth 带宽	100/700MHz
Peak Gain 峰值增益	12/15dBi
Radiation Direction 辐射方向	Directional
Polarization 极化方式	Vertical/Horizon
Electrical Downtilt 电下倾角	0°
Half Power Beamwidths 半功率波瓣宽度	H: 65°/H: 35° E: 32°/E: 15°
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	≤ 1.5/2.0
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	306*306*25MM
Antenna Weight 天线重量	1.4KG
Radome Material 外罩材料	ABS
Radome Colour 外罩颜色	White
Mechanically Adjustable Tilt Angle 机械可调倾角	0-60°
Temperature Range 温度	-40-80℃
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	CWJM004/Dacromet
Environmental Standards 环保标准	ROHS/REACH





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

Cowin Antenna

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

Cowin Antenna

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

Cowin Antenna

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

Cowin Antenna

Efficiency (H2400-2500)

Frequency (MHz)	Efficiency (%)
2400	60.55
2425	64.31
2450	69.91
2475	69.36
2500	66.73

Efficiency (H51500-5850)

Frequency (MHz)	Efficiency (%)
5150	67.24
5325	67.41
5500	68.99
5675	66.9
5850	65.97

Efficiency (V2400-2500)

Frequency (MHz)	Efficiency (%)
2400	67.46
2425	67.43
2450	67.59
2475	67.46
2500	68.43

Efficiency (V51500-5850)

Frequency (MHz)	Efficiency (%)
5150	68.28
5325	68.99
5500	69.08
5675	67.41
5850	66.48

Peak Gain (H2400-2500)

Frequency (MHz)	Max Gain (dBi)
2400	11.09
2425	11.38
2450	11.43
2475	11.49
2500	11.15

Peak Gain (H51500-5850)

Frequency (MHz)	Max Gain (dBi)
5150	14.35
5325	14.72
5500	14.67
5675	14.61
5850	14.39

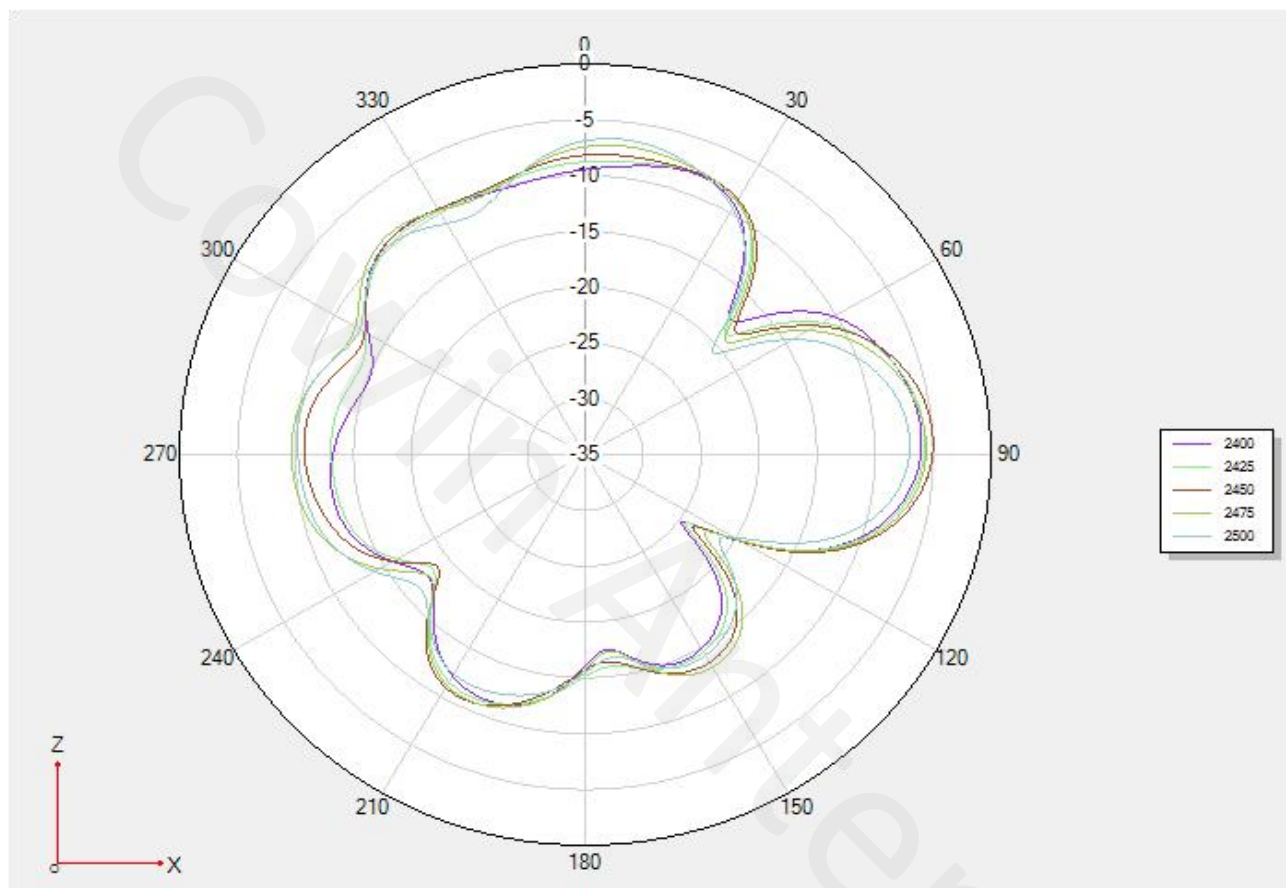
Peak Gain (V2400-2500)

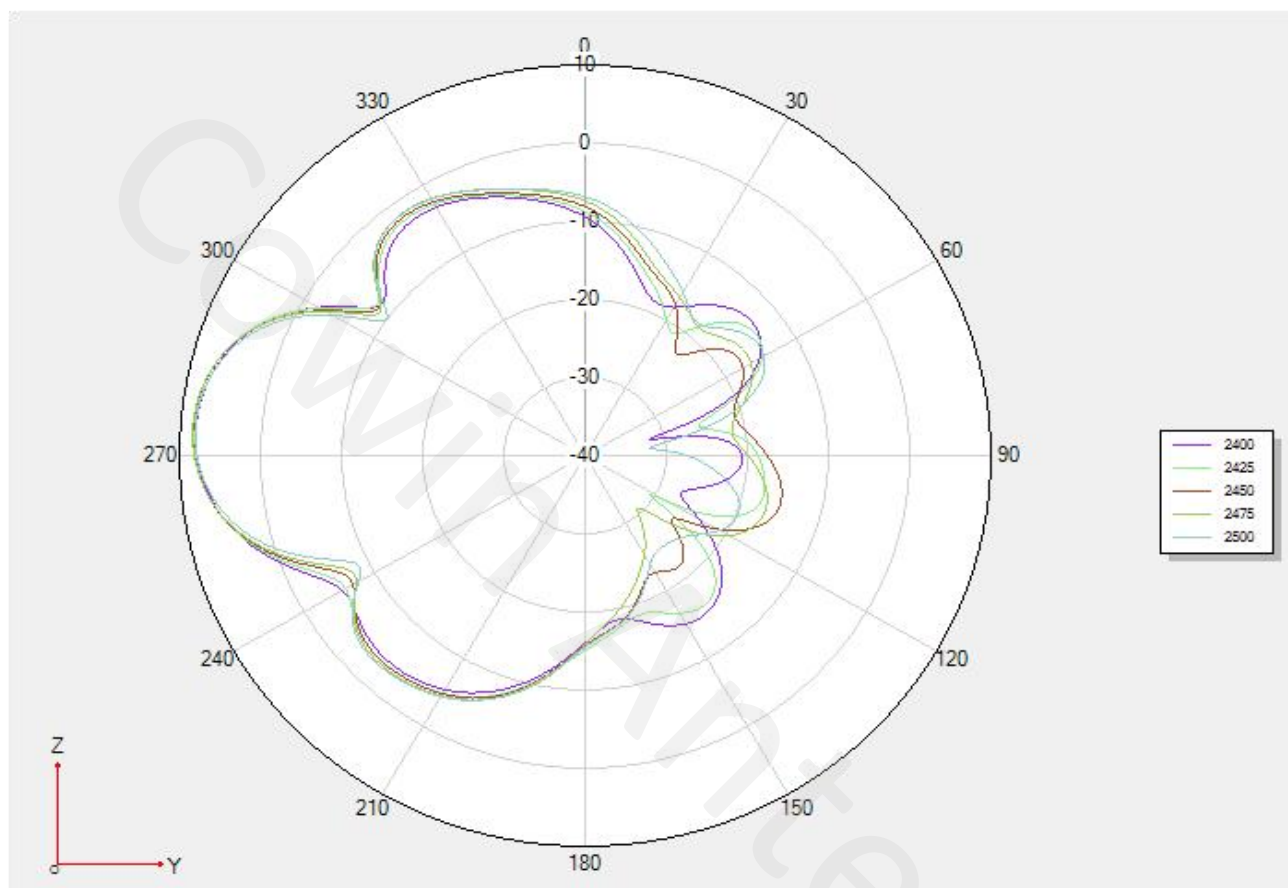
Frequency (MHz)	Max Gain (dBi)
2400	11.74
2425	11.96
2450	11.11
2475	11.33
2500	11.21

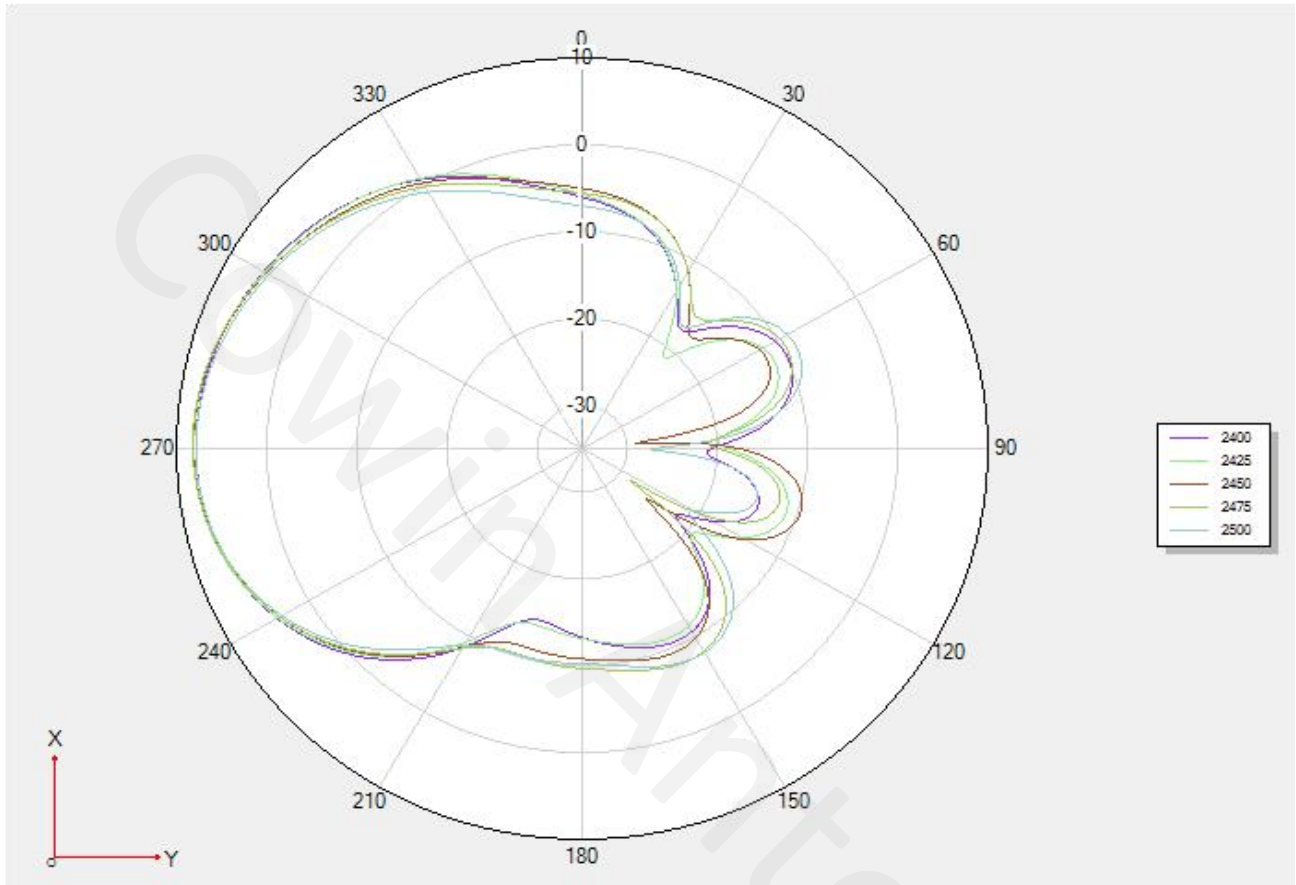
Peak Gain (V51500-5850)

Frequency (MHz)	Max Gain (dBi)
5150	14.39
5325	14.75
5500	14.56
5675	14.66
5850	14.47

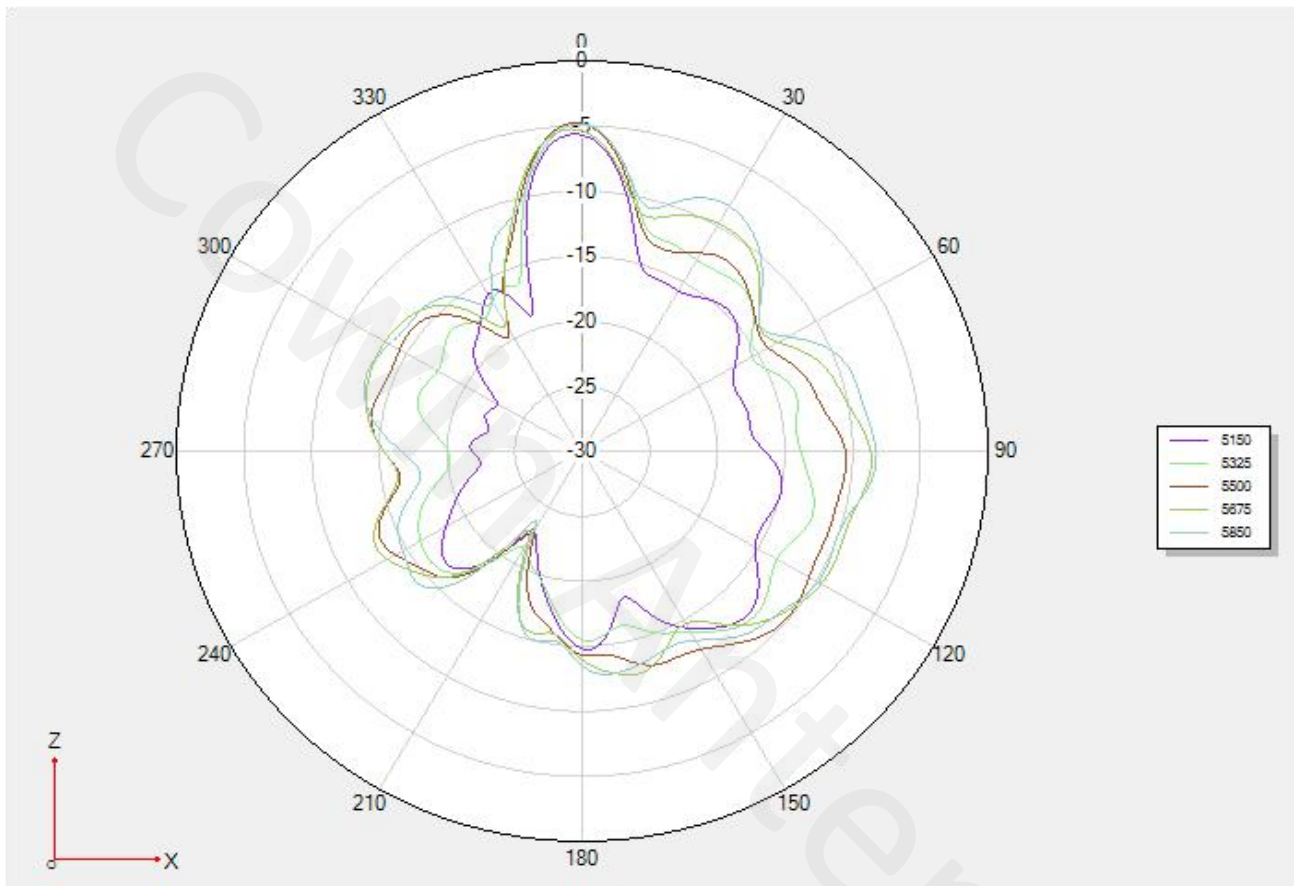
2D Radiation Patterns (H2400-2500)

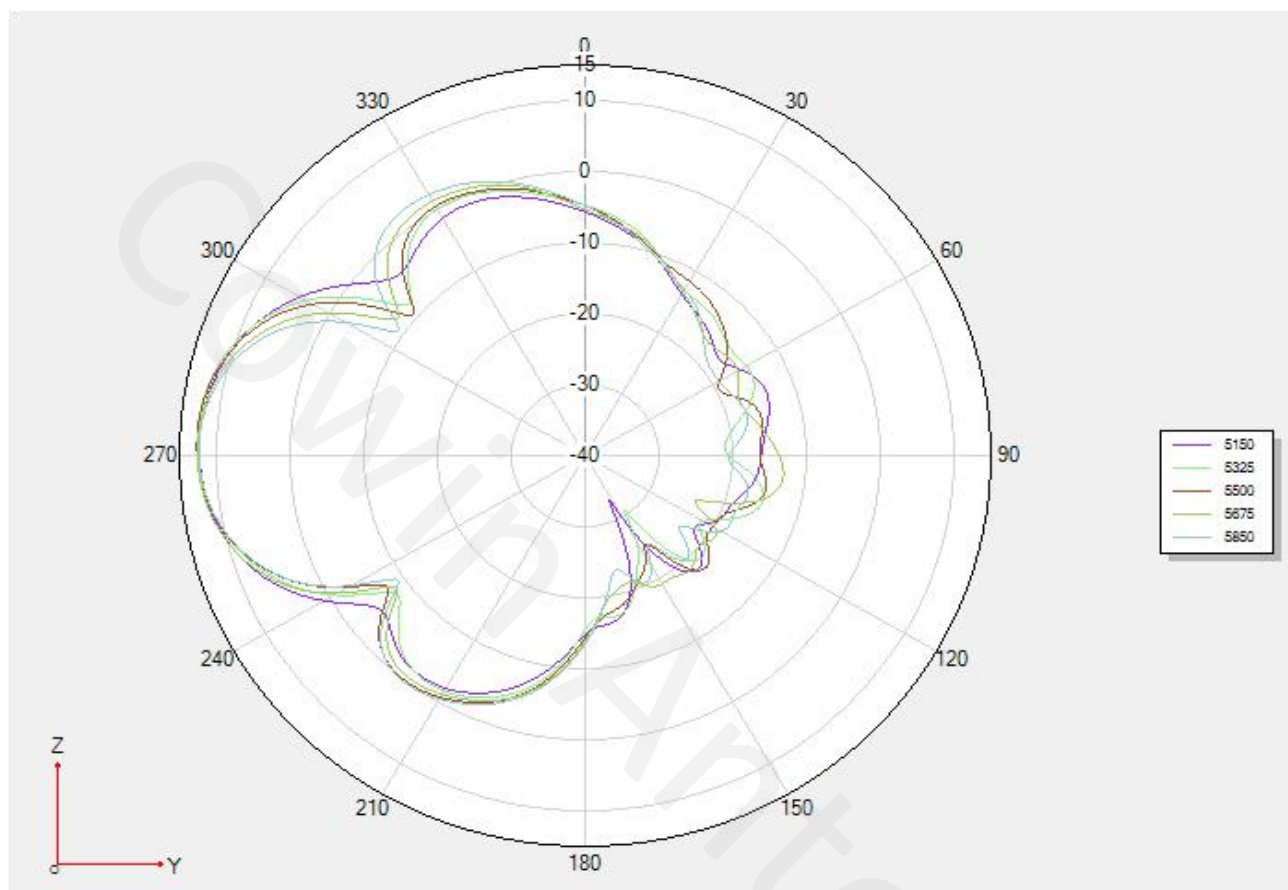


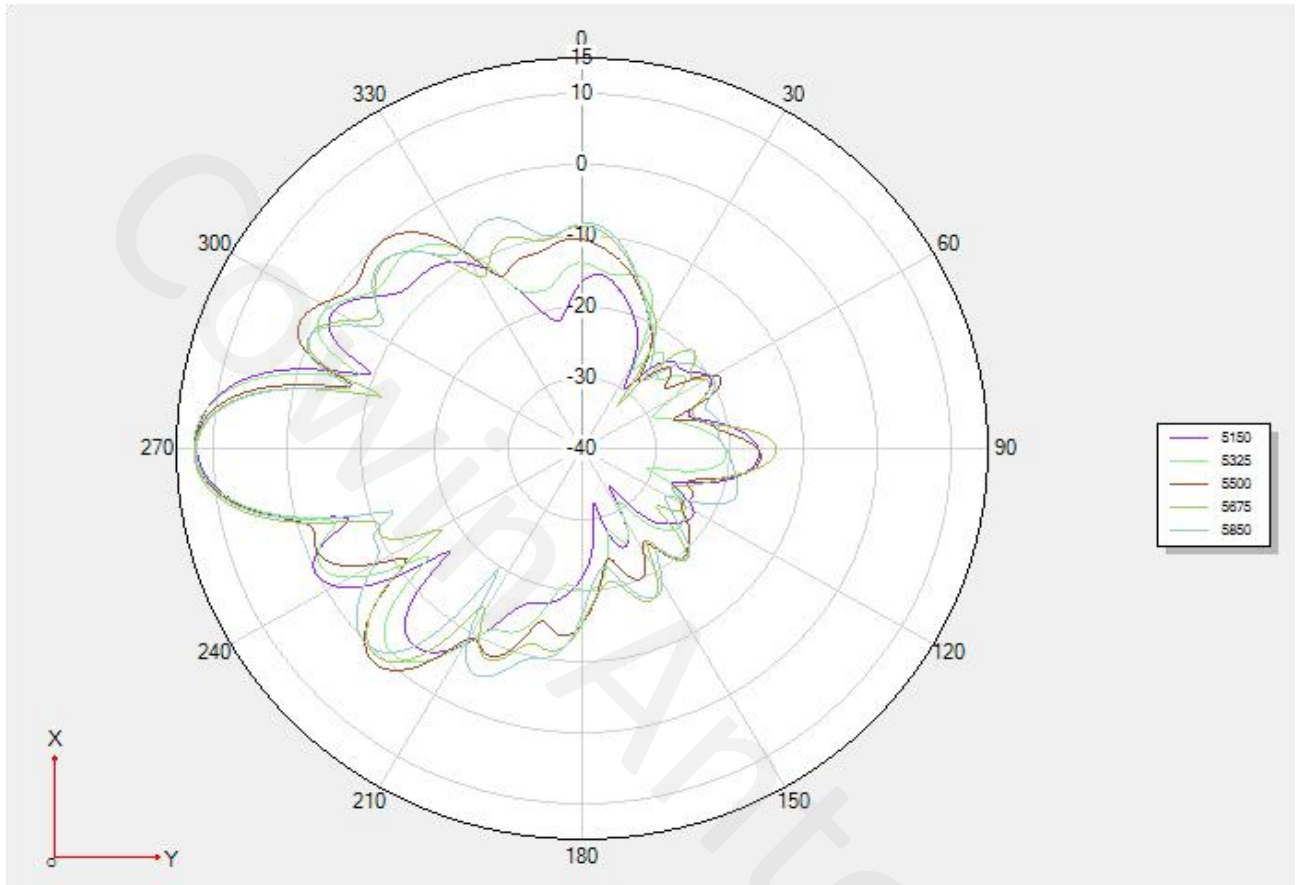




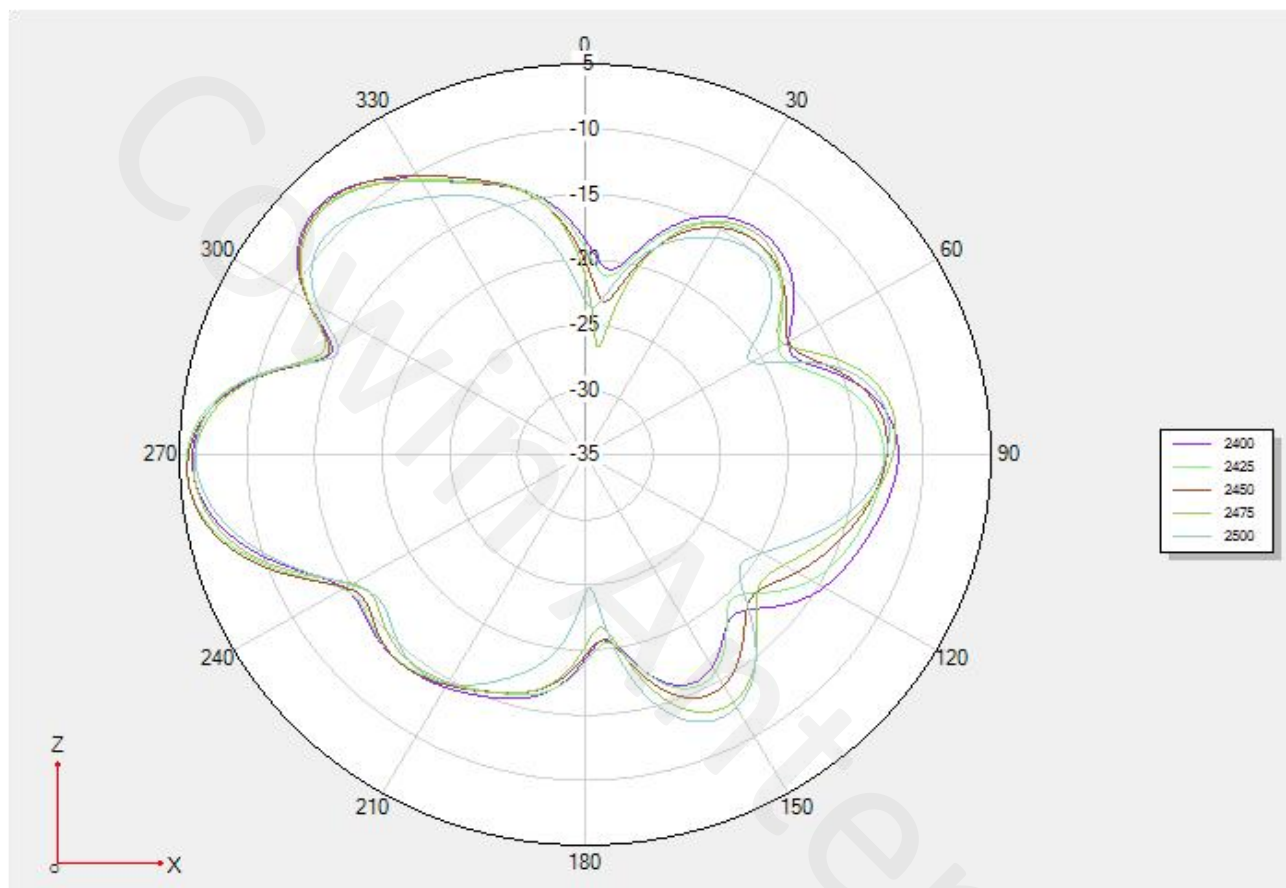
2D Radiation Patterns (H51500-5850)

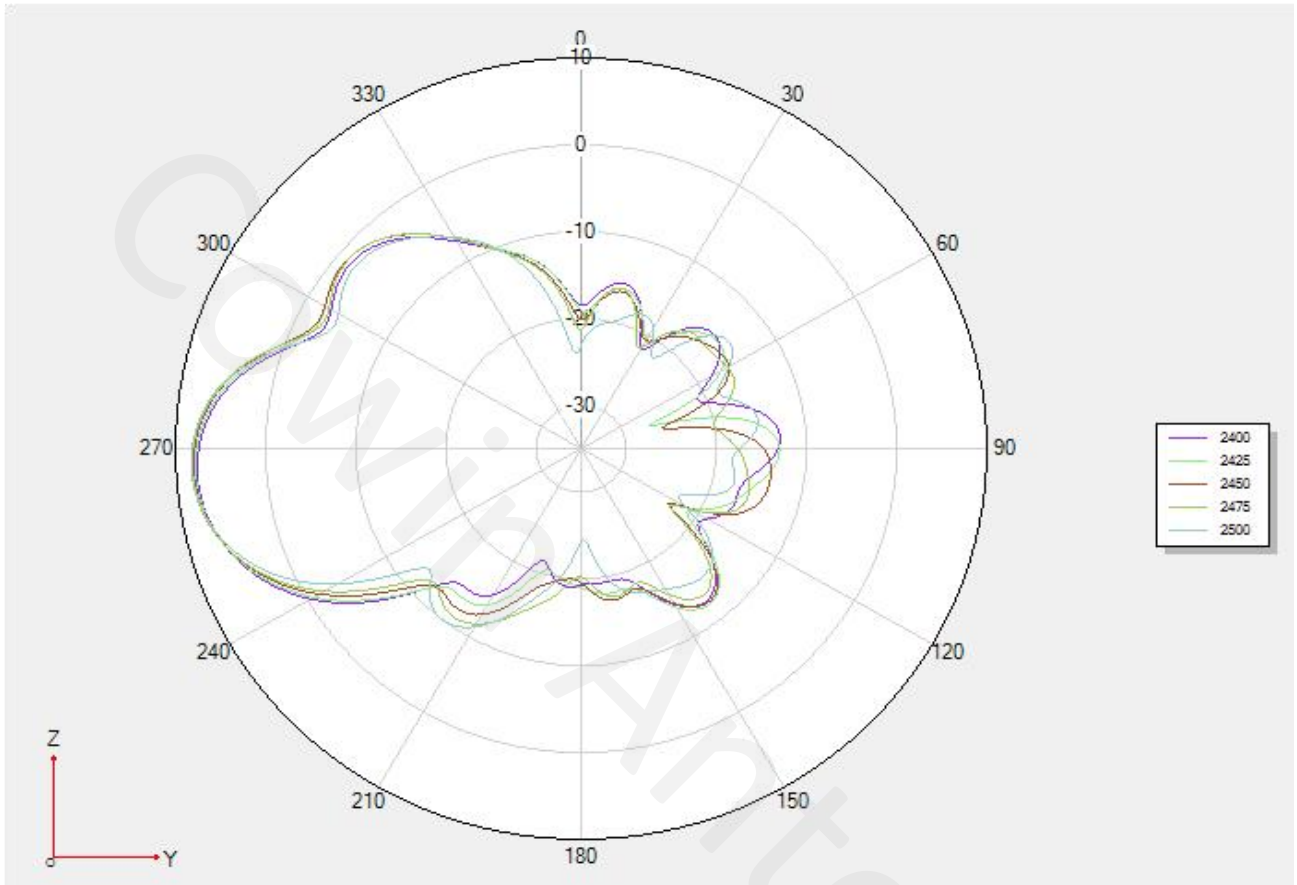


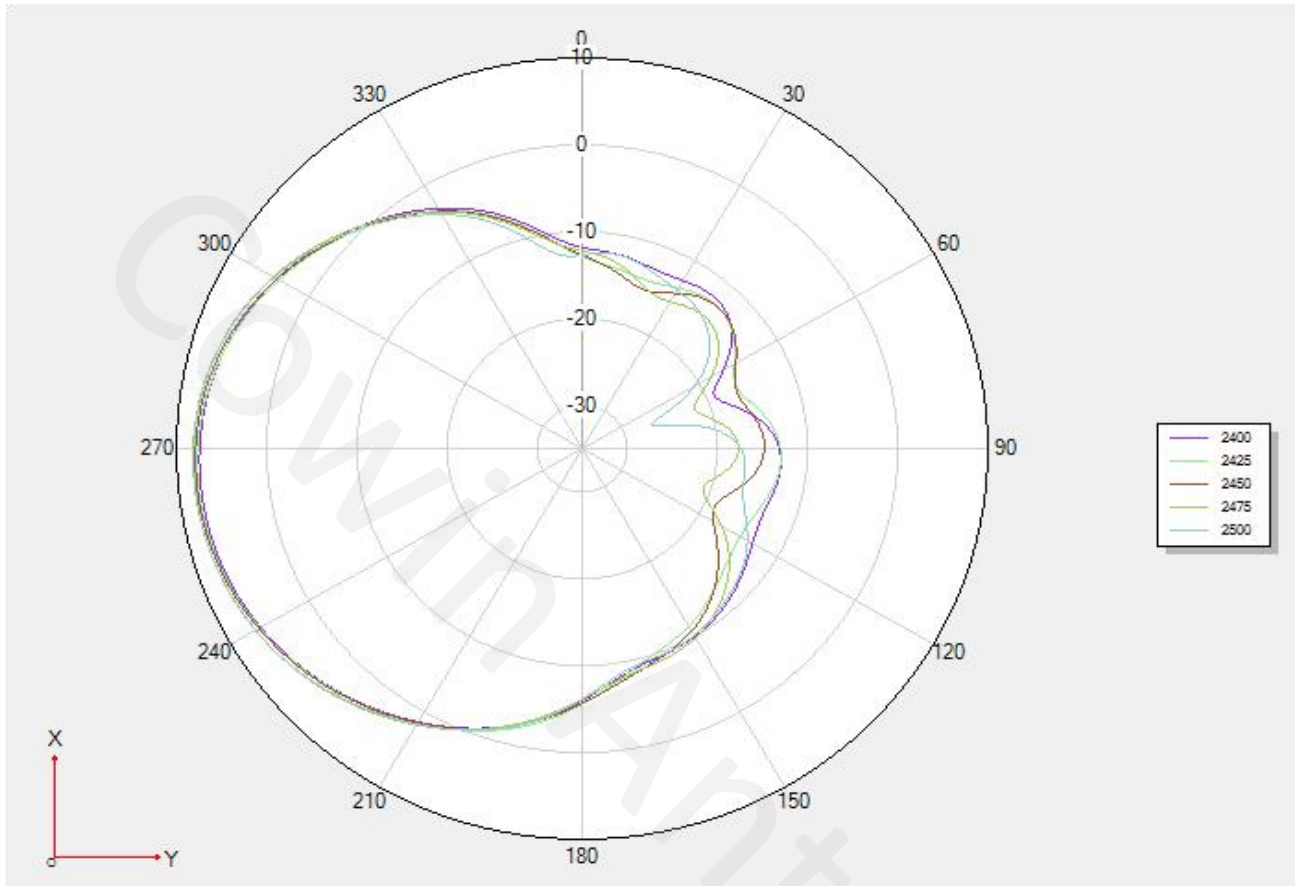




2D Radiation Patterns (V2400-2500)







2D Radiation Patterns (V51500-5850)

