COWIN

Product Datasheet

4*4 5dBi 5G Omnidirectional PVC Antenna



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Electrical Specifications 电性指标			
Part Number 料号	**CWM4PVC0835V5AWN-U**		
Frequency Range 频率范围	**800-960MHz**	**1710-2690MHz**	**3300-3500MHz**
Bandwidth 带宽	**160MHz**	**980MHz**	**200MHz**
Peak Gain 峰值增益	**2dBi**	**4dBi**	**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	**≤3.0**		
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	**800*75MM**
Antenna Weight 天线重量	**2.4KG**
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	**-40-80℃**
Extreme Wind Speed 极限风速	**60m/s**
Pole Diameter 抱杆直径	**40-90MM**
Mounting Method 安装方式	**Pole Mount**
Mounting Model 安装件型号	**CWBLG24VH10A/Aluminum profile sandblasting oxidation**
Environmental Standards 环保标准	**ROHS/REACH**

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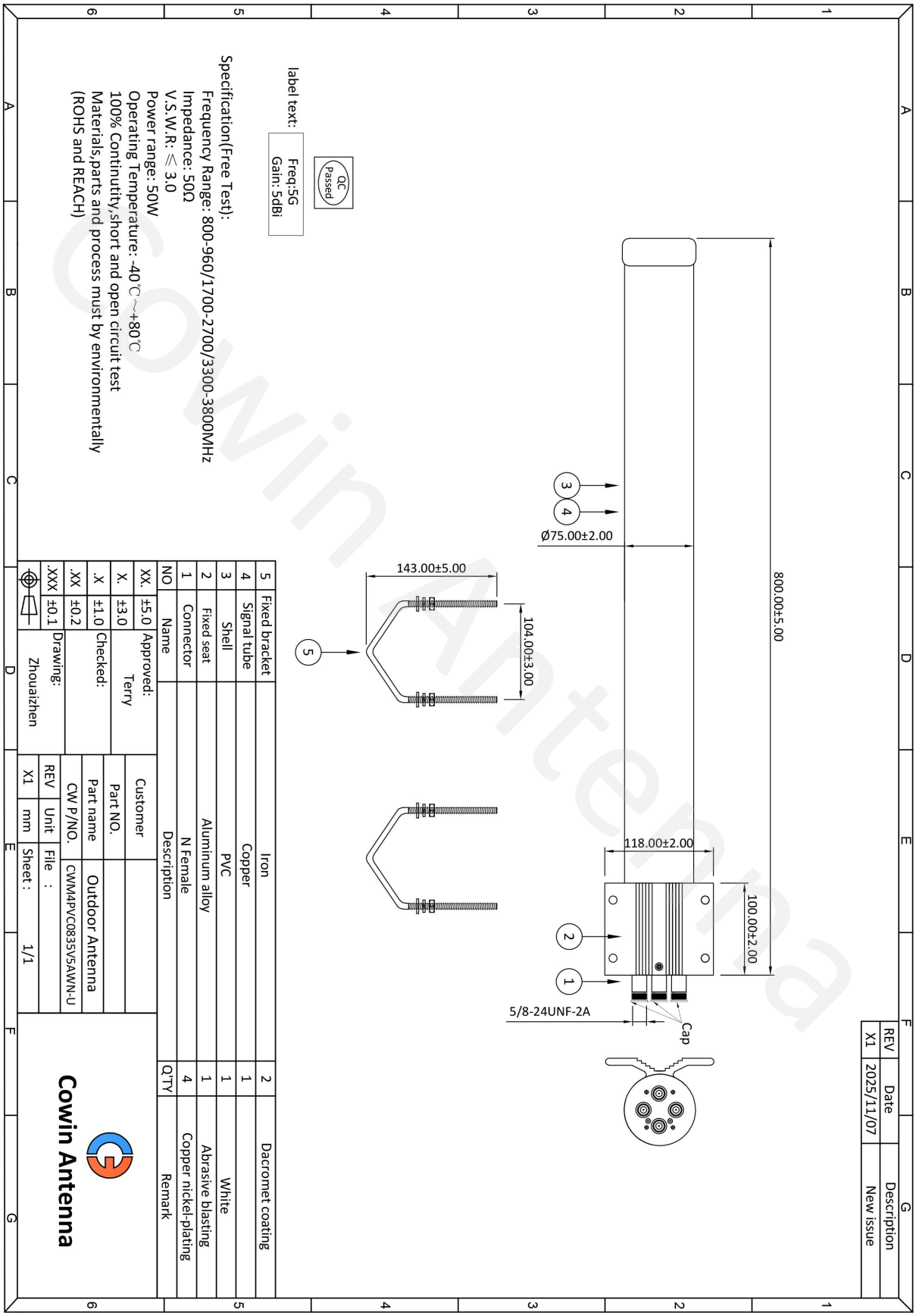

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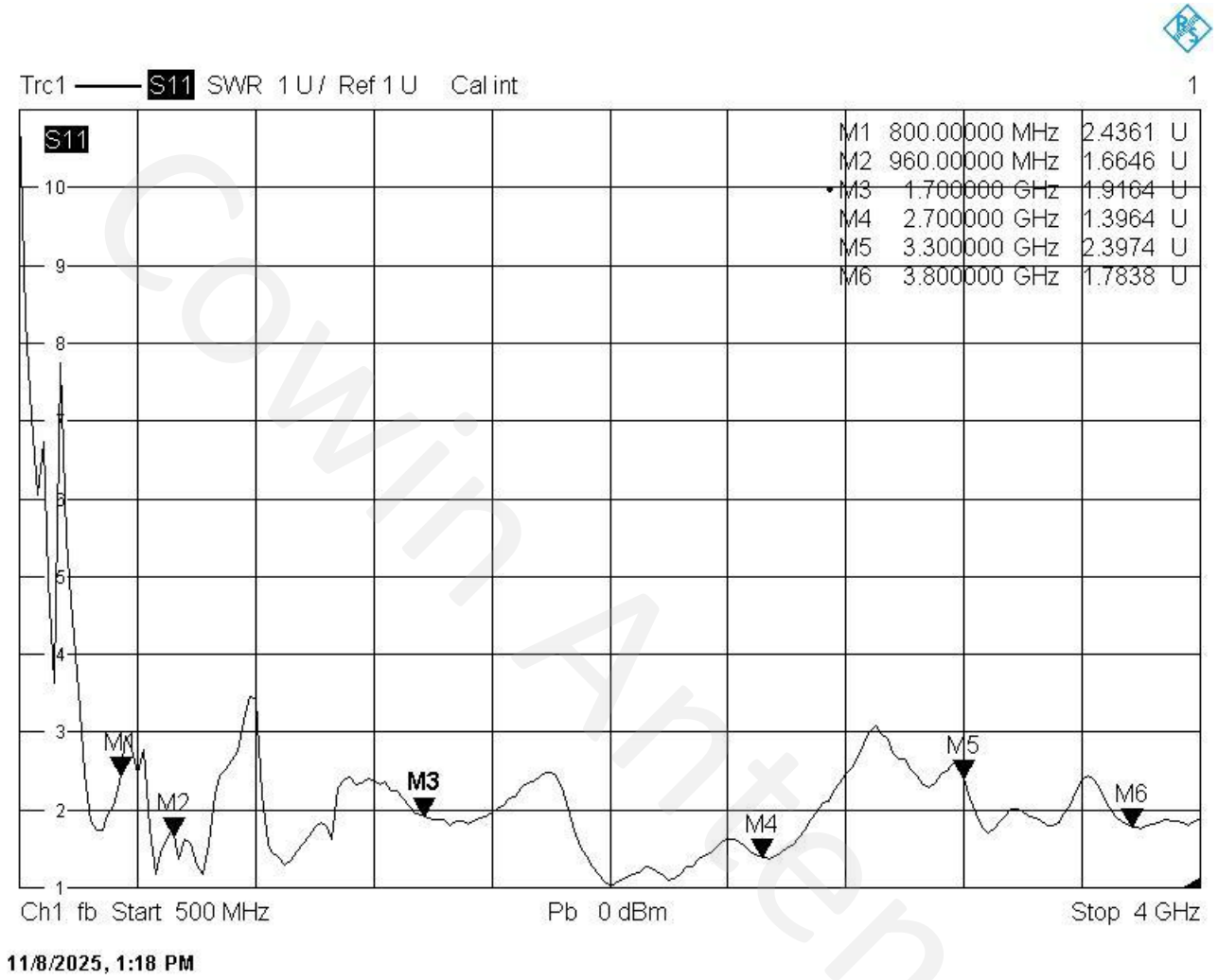
V.S.W.R (Connector 1)



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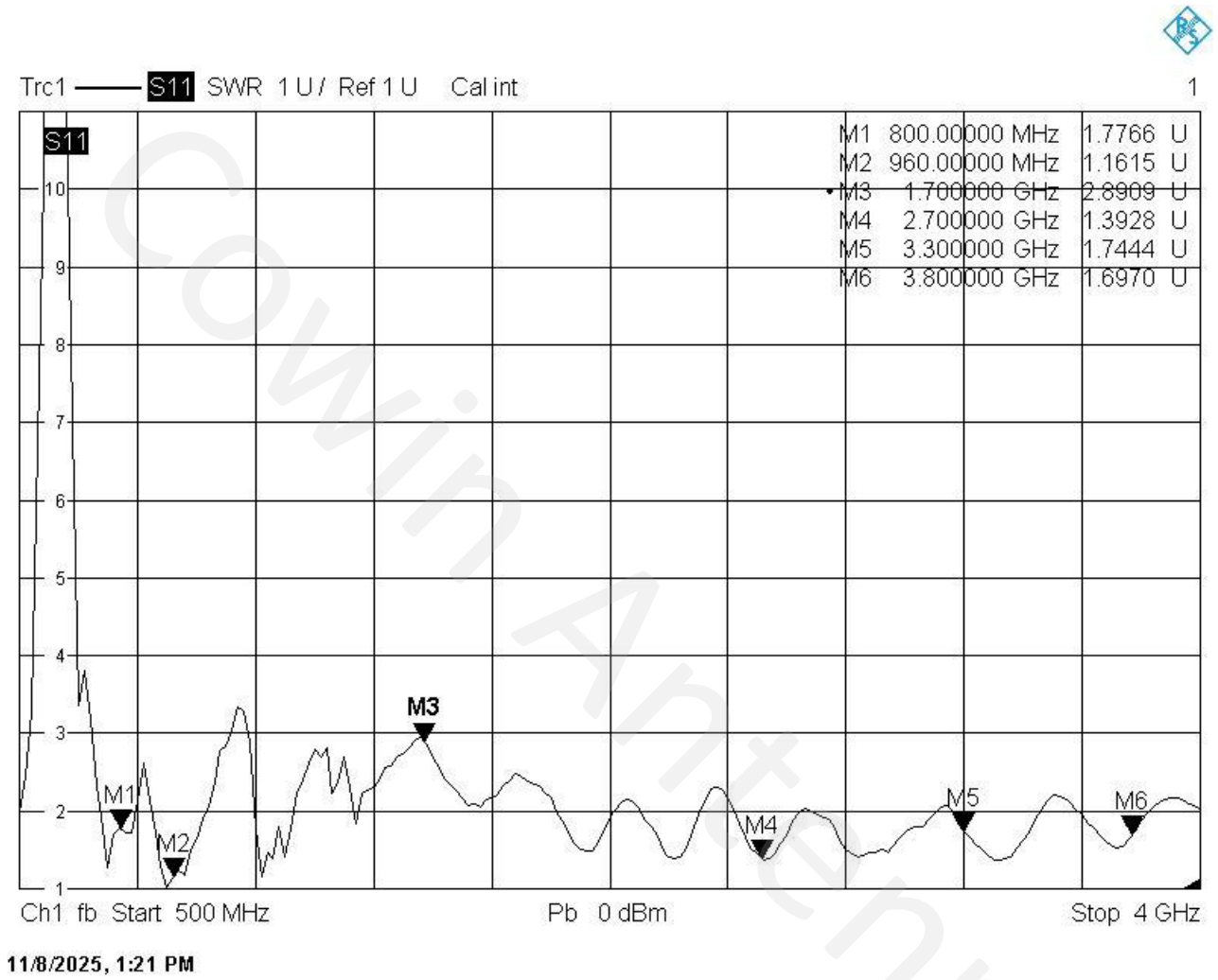

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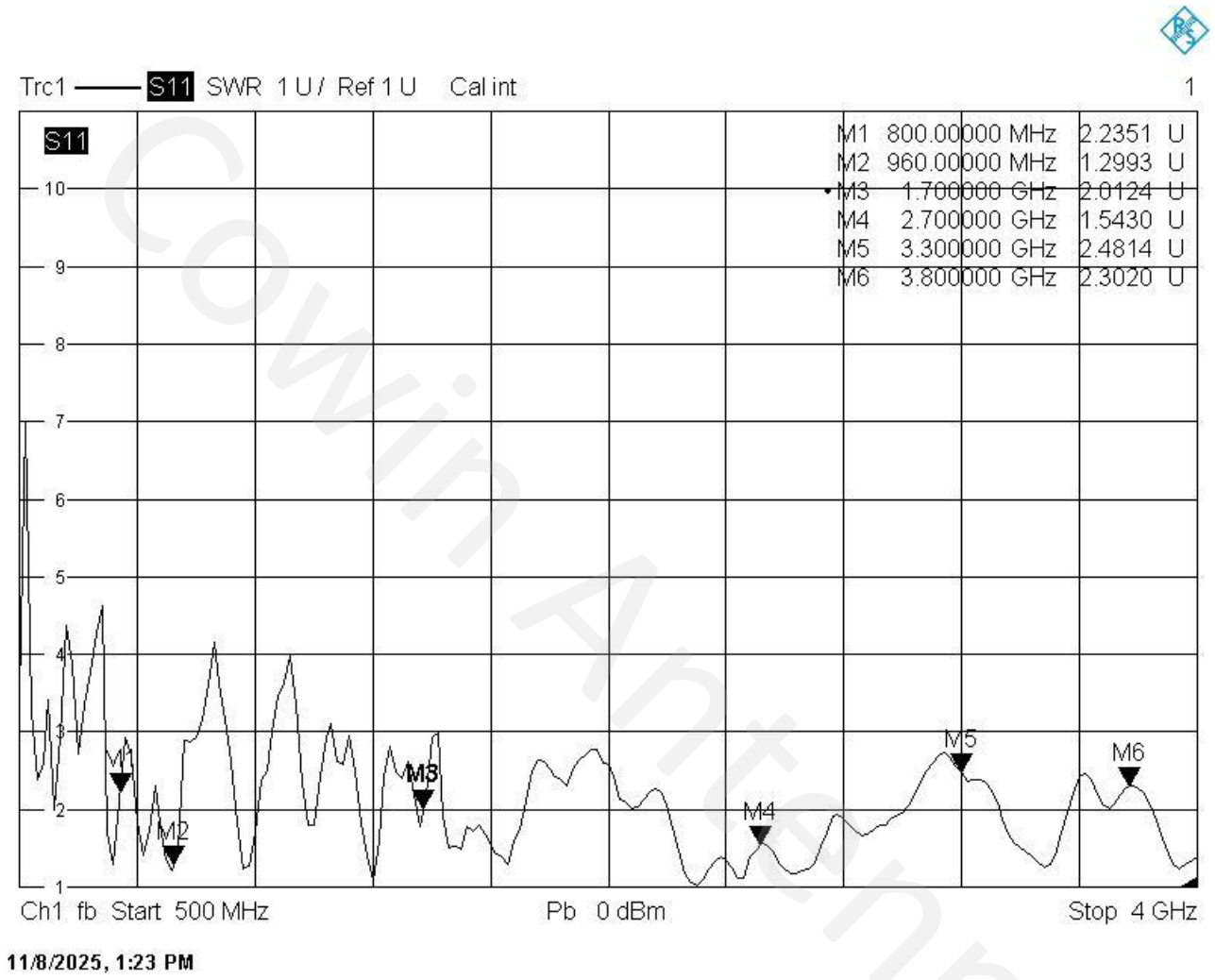
V.S.W.R (Connector 3)



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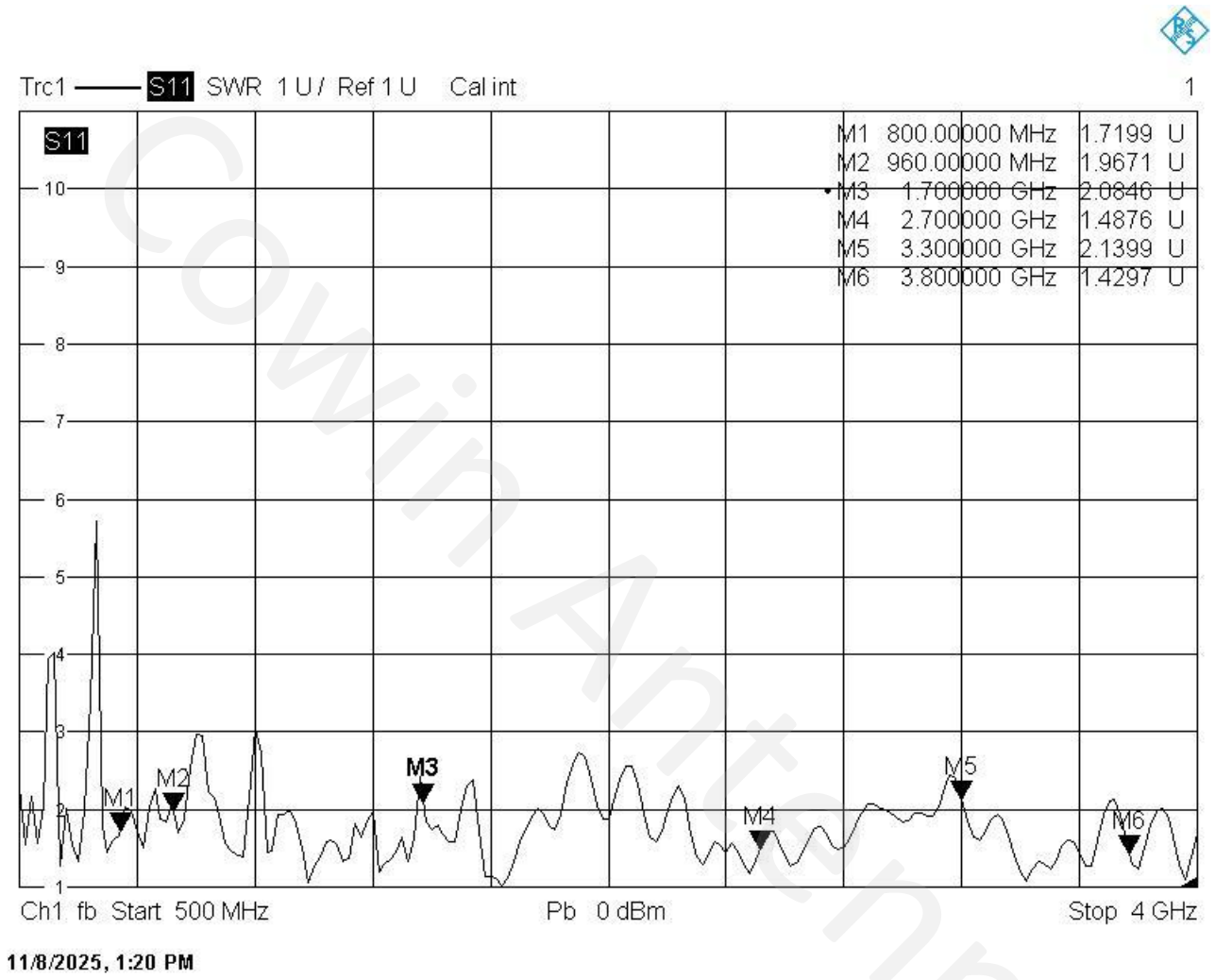
V.S.W.R (Connector 4)



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Efficiency (Connector 1)

Frequency (MHz)	Efficiency (%)
800	49.43
880	50.47
960	48.75
1710	57.02
2010	53.7
2310	59.29
2690	61.09
3300	57.15
3400	52.48
3500	45.19

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Efficiency (Connector 2)

Frequency (MHz)	Efficiency (%)
800	53.09
880	51.64
960	50
1710	56.36
2010	52.97
2310	58.34
2690	59.7
3300	54.7
3400	49.32
3500	42.27

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Efficiency (Connector 3)

Frequency (MHz)	Efficiency (%)
800	44.36
880	39.81
960	59.98
1710	53.83
2010	65.31
2310	71.94
2690	70.15
3300	51.4
3400	53.09
3500	48.08

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Efficiency (Connector 4)

Frequency (MHz)	Efficiency (%)
800	44.57
880	39.08
960	59.43
1710	53.58
2010	65.46
2310	72.11
2690	69.98
3300	51.4
3400	53.21
3500	48.19

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Peak Gain (Connector 1)

Frequency (MHz)	Max Gain (dBi)
800	2.84
880	2.12
960	2.49
1710	3.91
2010	3.35
2310	3.57
2690	3.71
3300	4.24
3400	4.65
3500	4.65

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Peak Gain (Connector 2)

Frequency (MHz)	Max Gain (dBi)
800	2.78
880	2.88
960	2.93
1710	3.82
2010	3.69
2310	3.64
2690	3.75
3300	4.22
3400	4.47
3500	4.88

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Peak Gain (Connector 3)

Frequency (MHz)	Max Gain (dBi)
800	2.36
880	2.02
960	3.58
1710	3.5
2010	3.99
2310	3.65
2690	3.26
3300	4.18
3400	4.87
3500	4.98

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Peak Gain (Connector 4)

Frequency (MHz)	Max Gain (dBi)
800	2.29
880	2.12
960	3.14
1710	3.61
2010	3.11
2310	3.67
2690	3.3
3300	4.05
3400	4.2
3500	4.21

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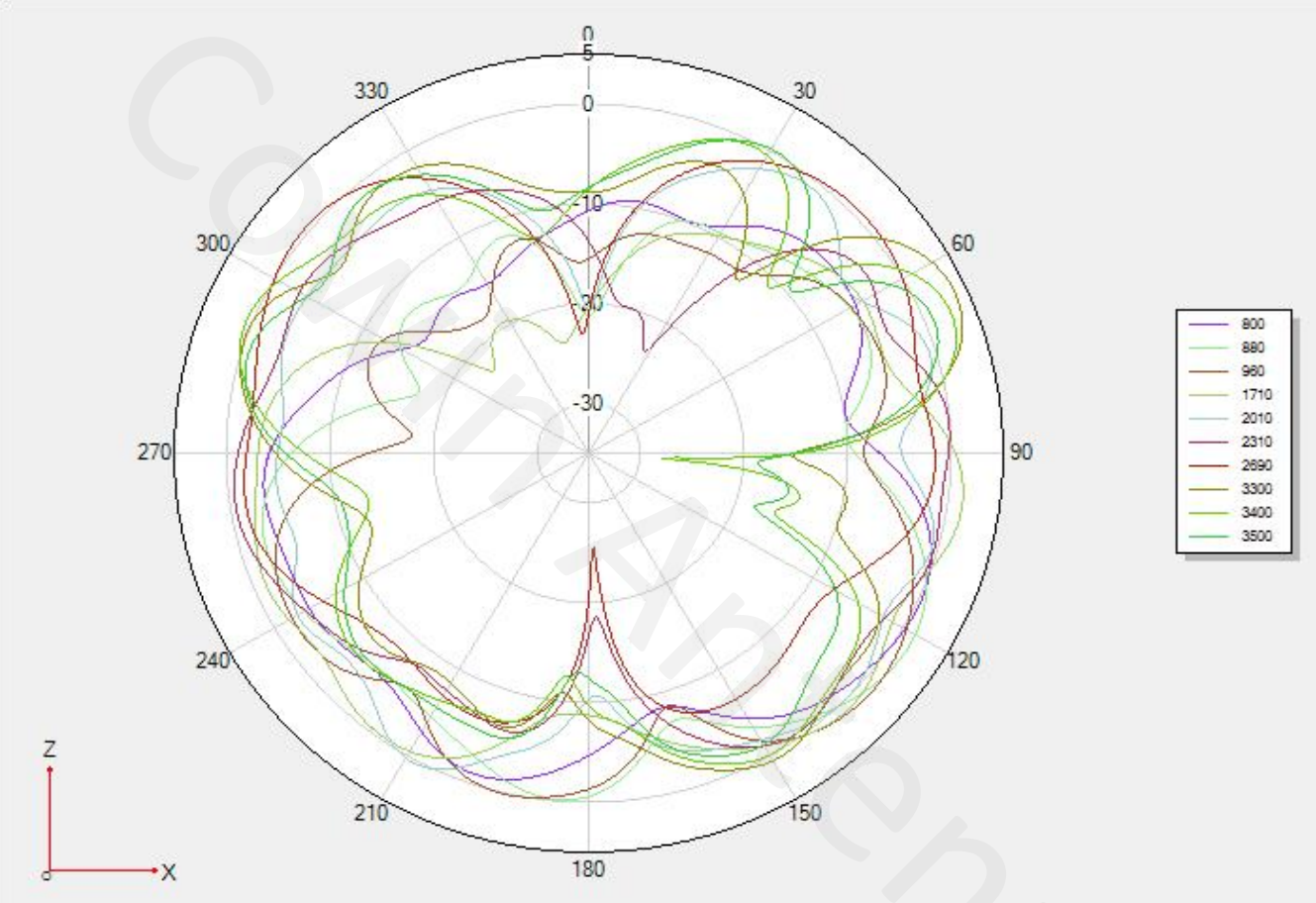
2D Radiation Patterns (Connector 1)



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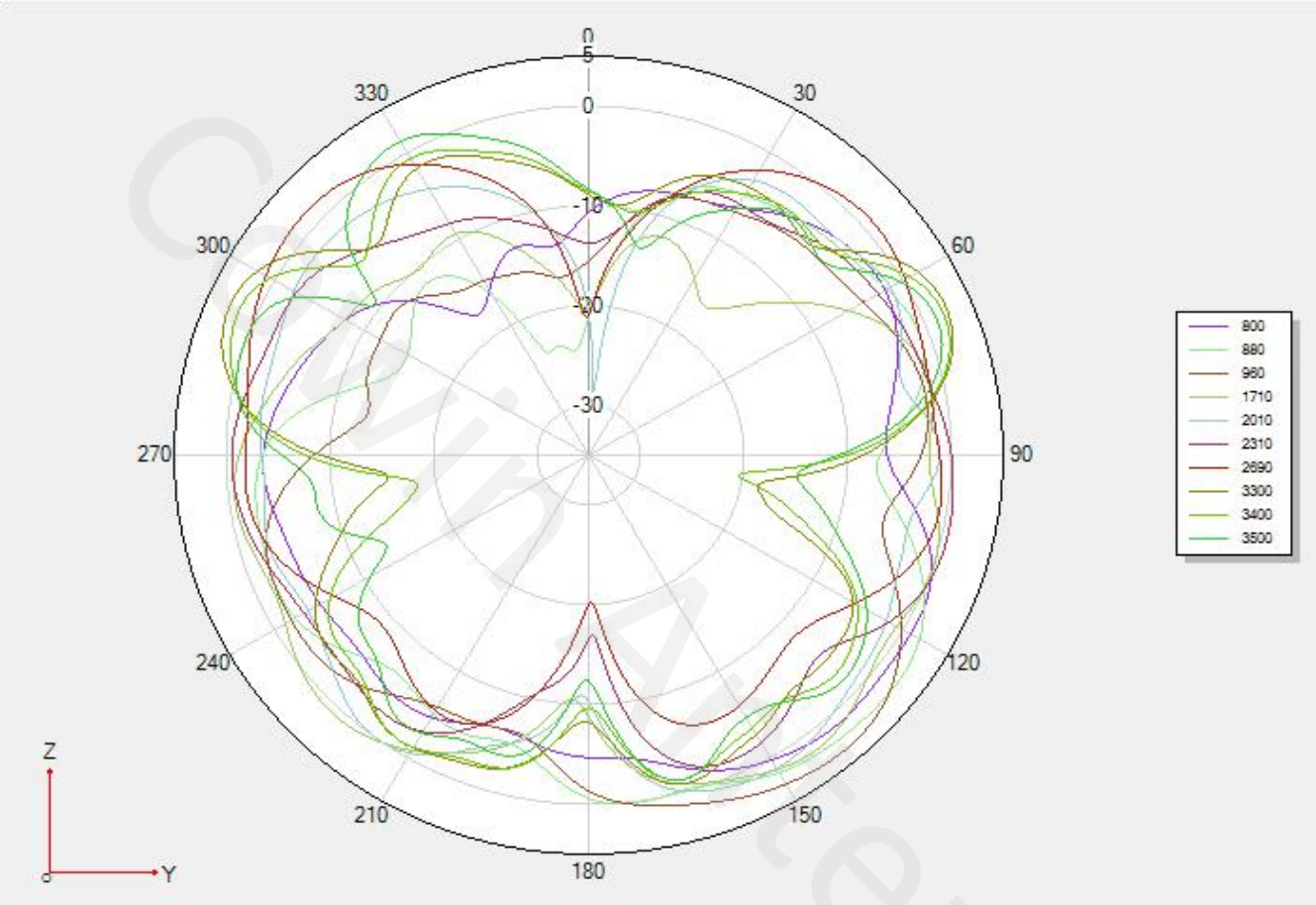

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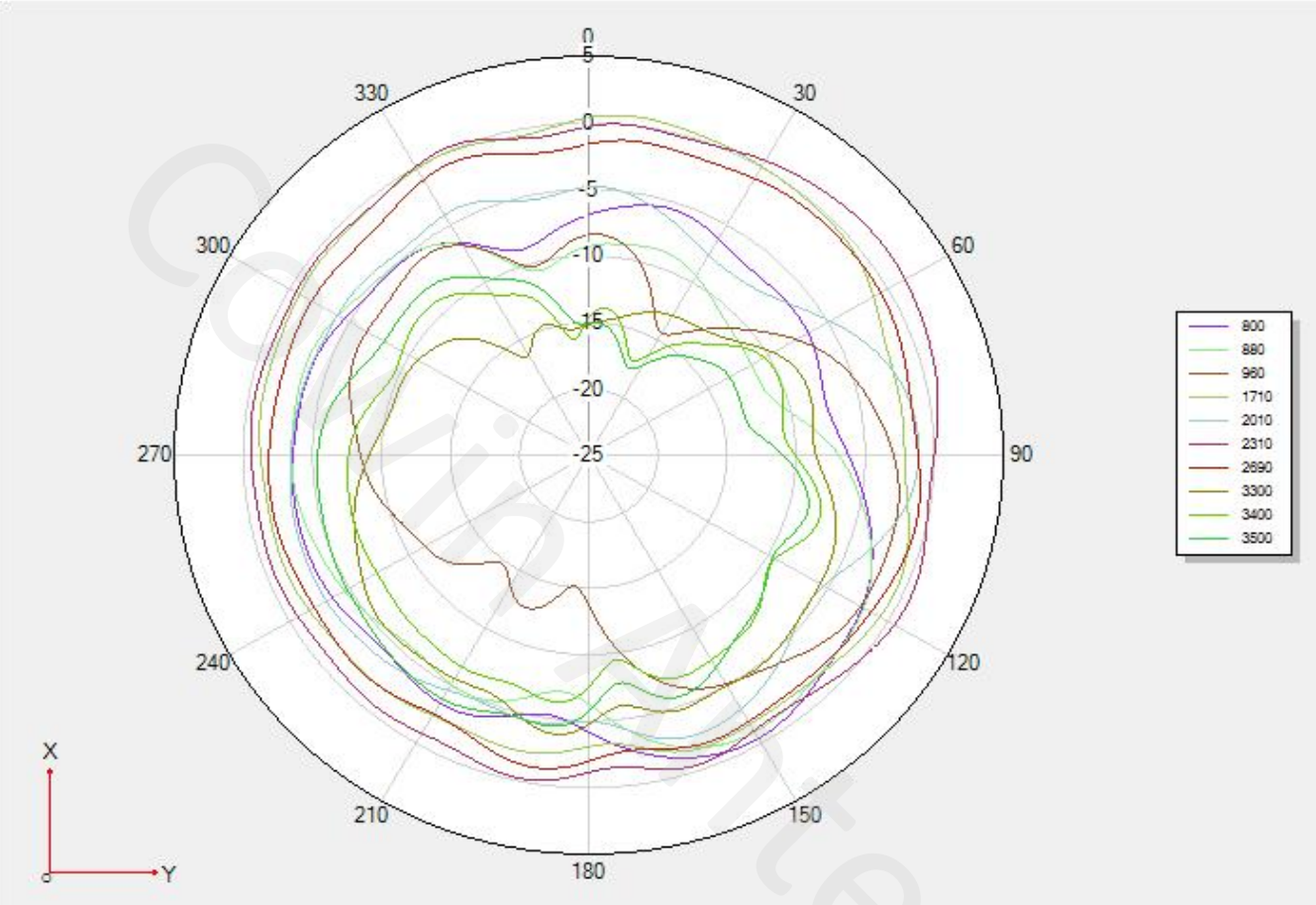

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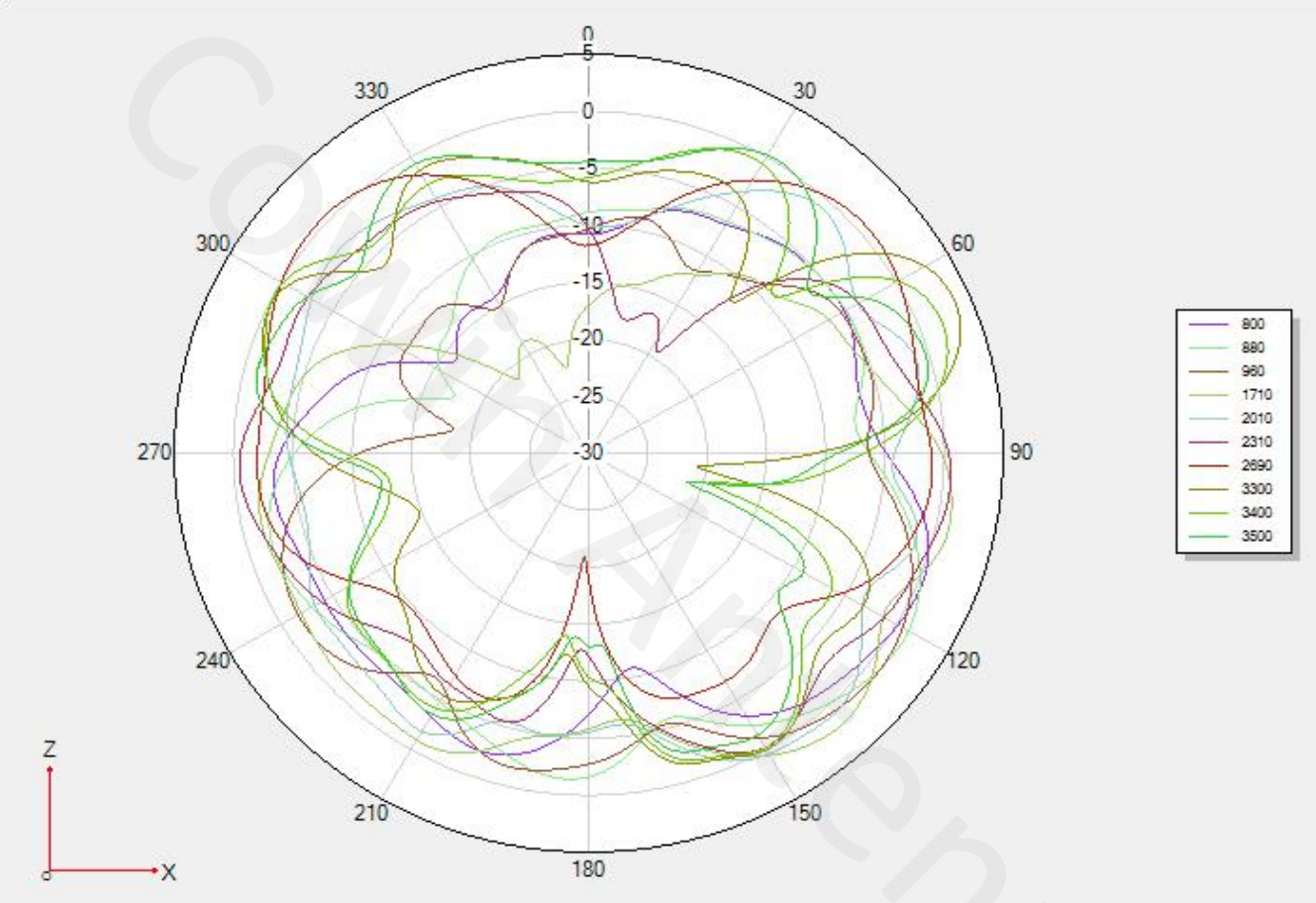
2D Radiation Patterns (Connector 2)



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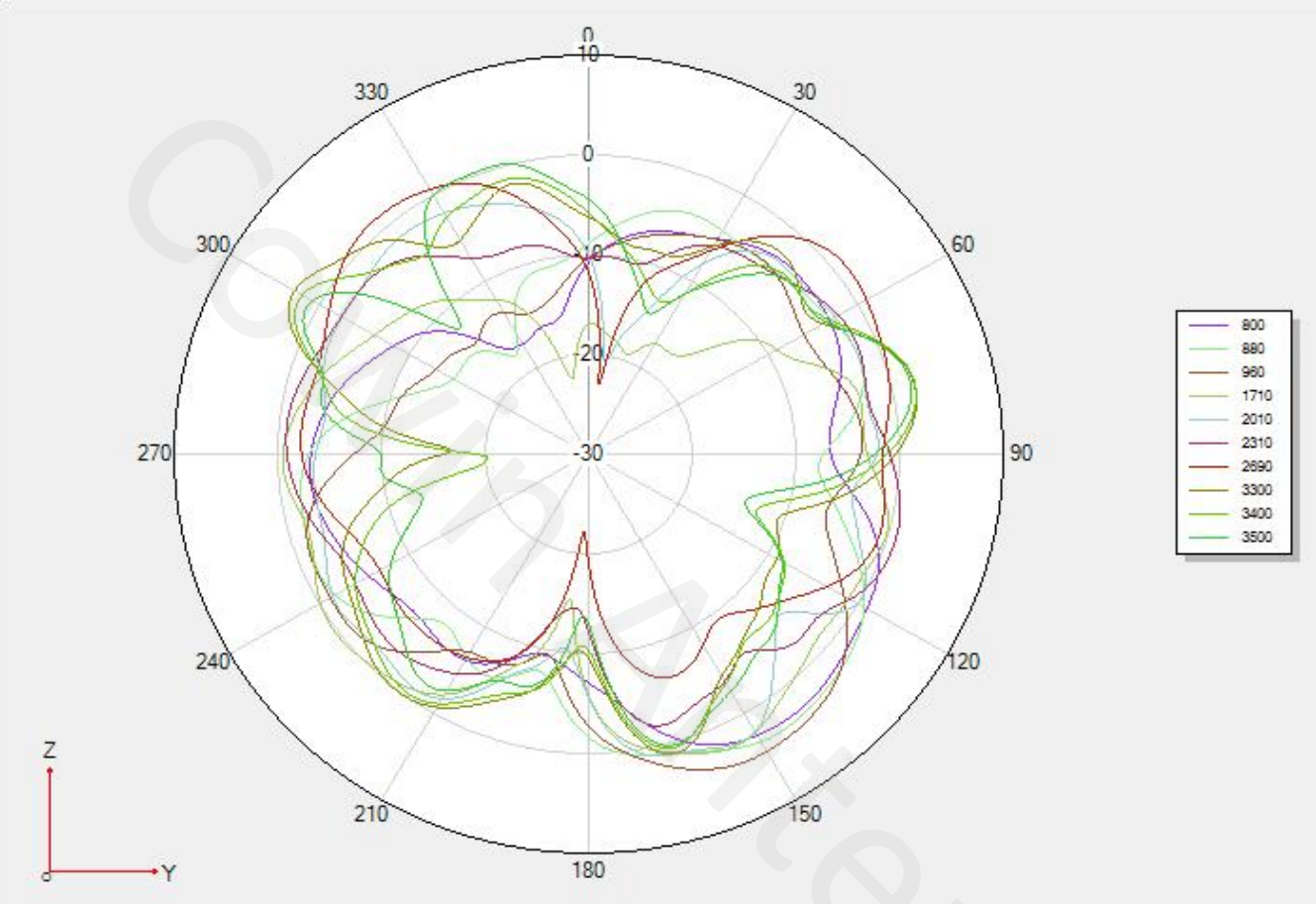

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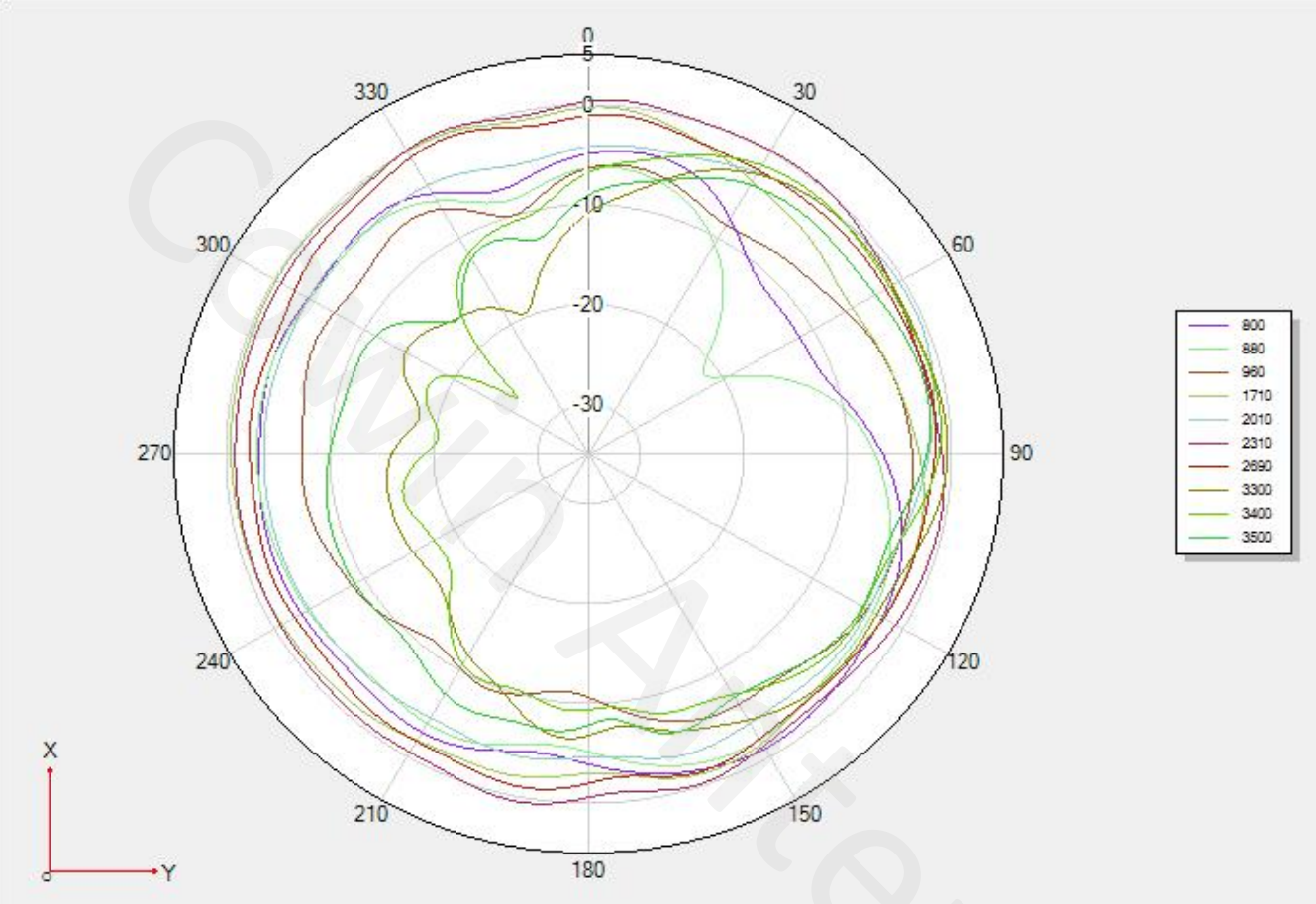

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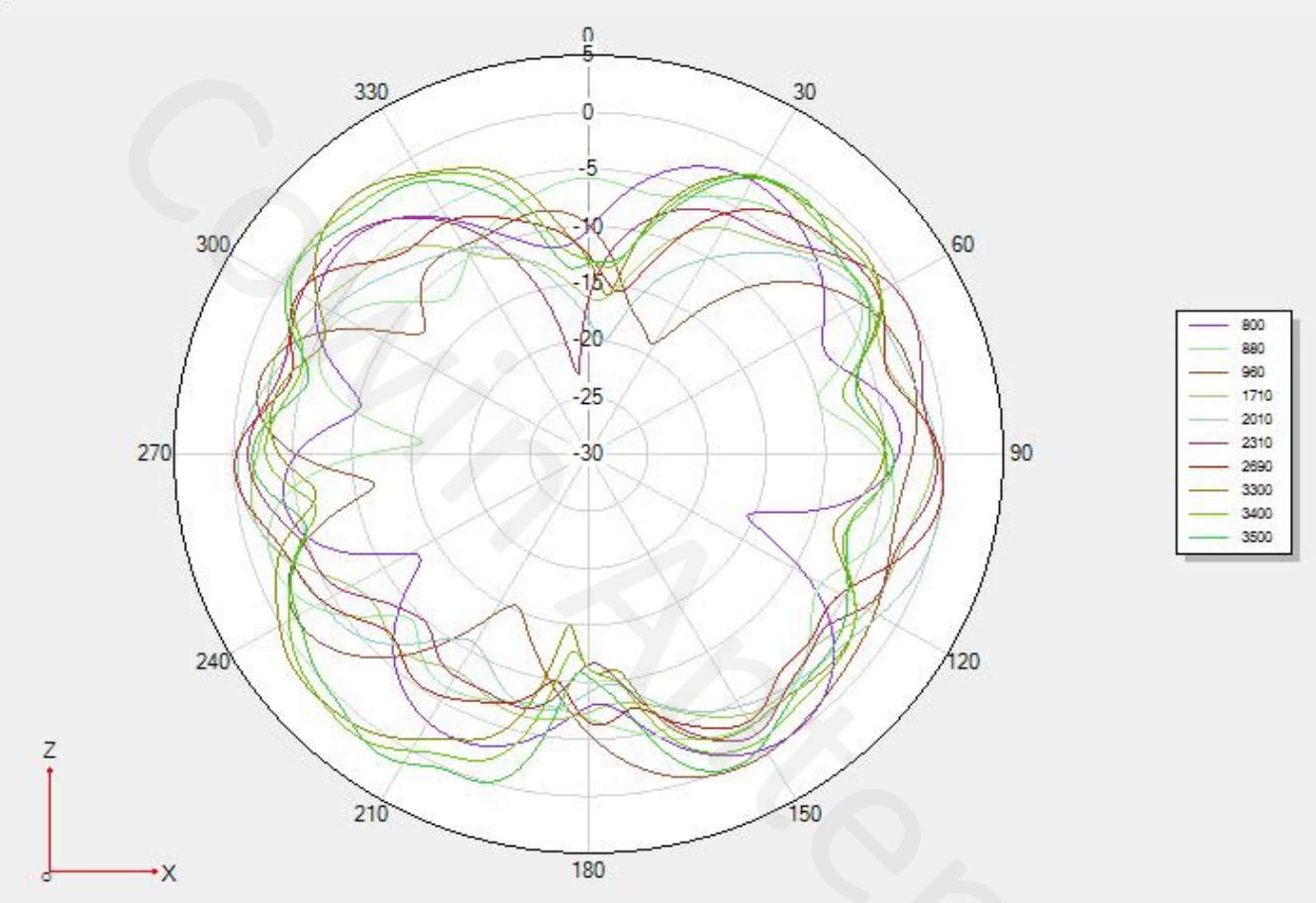
2D Radiation Patterns (Connector 3)



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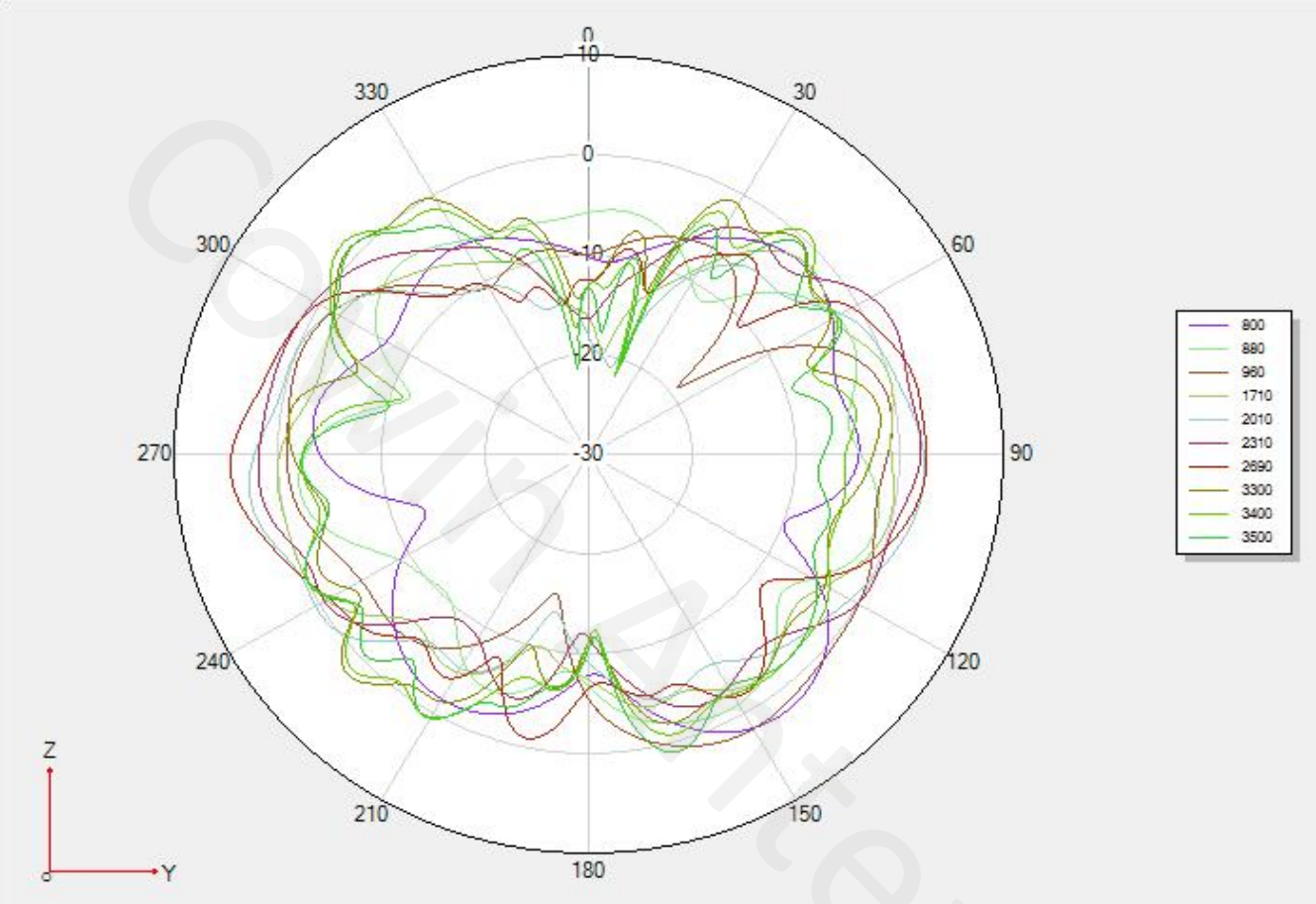

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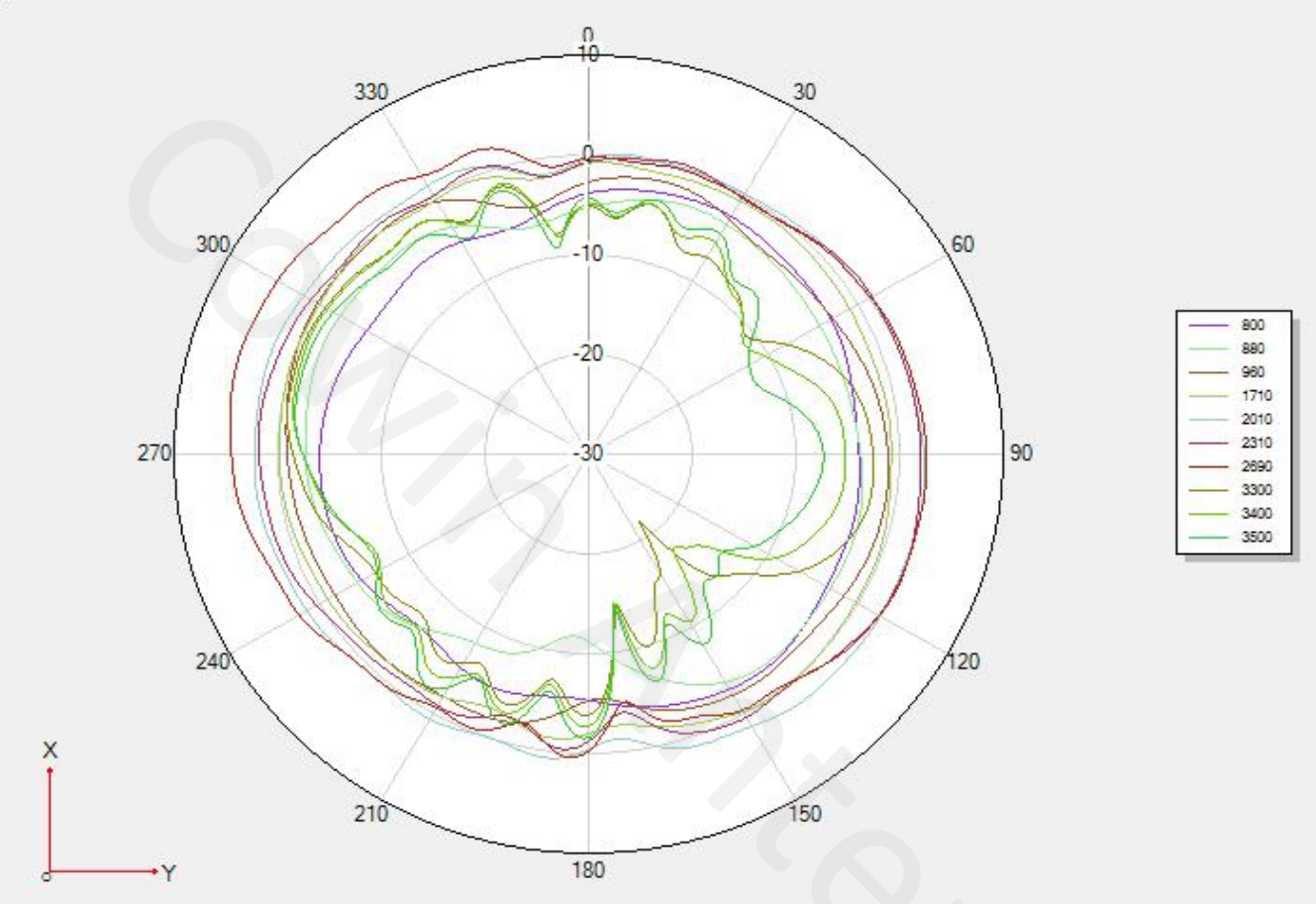

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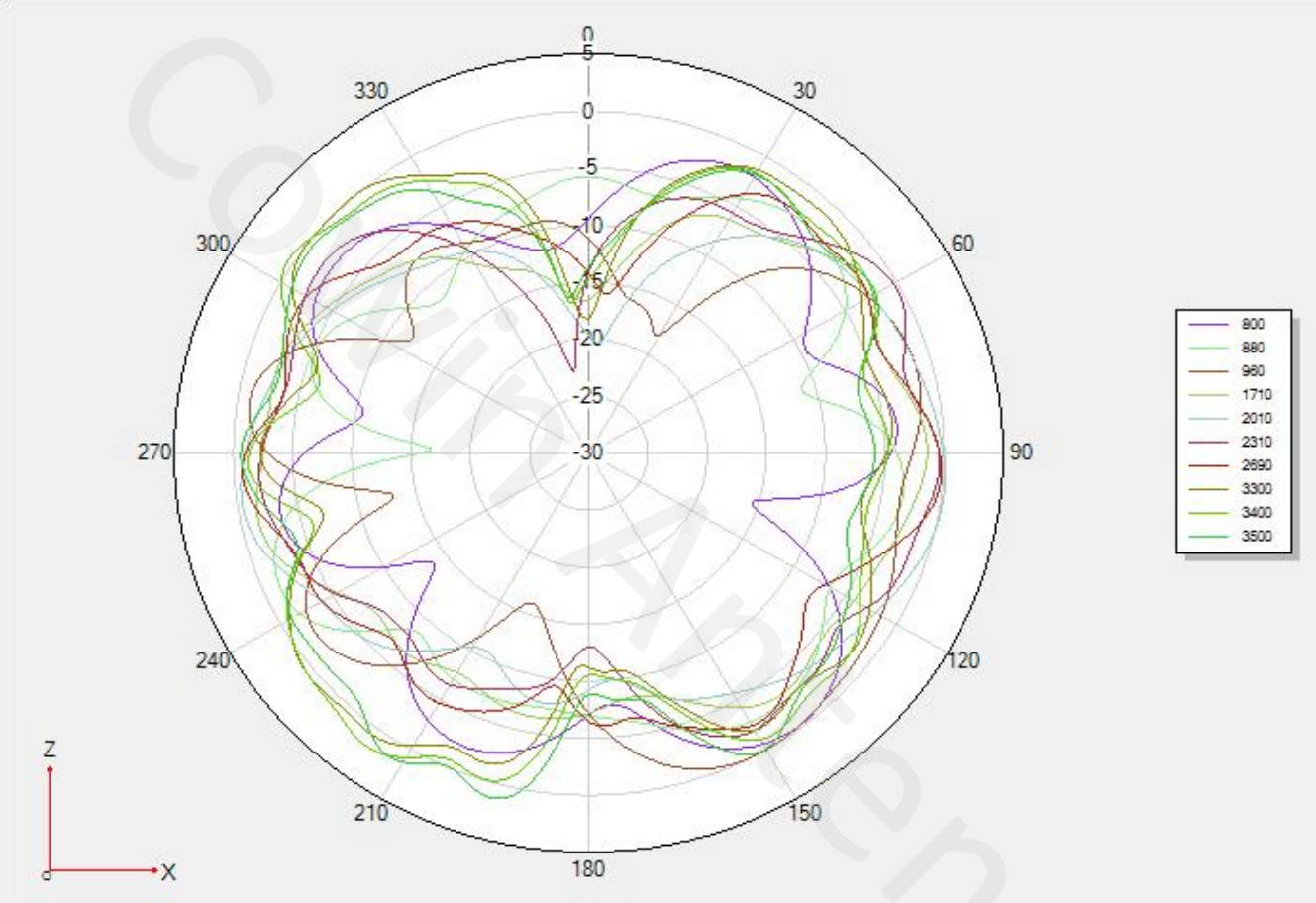
2D Radiation Patterns (Connector 4)



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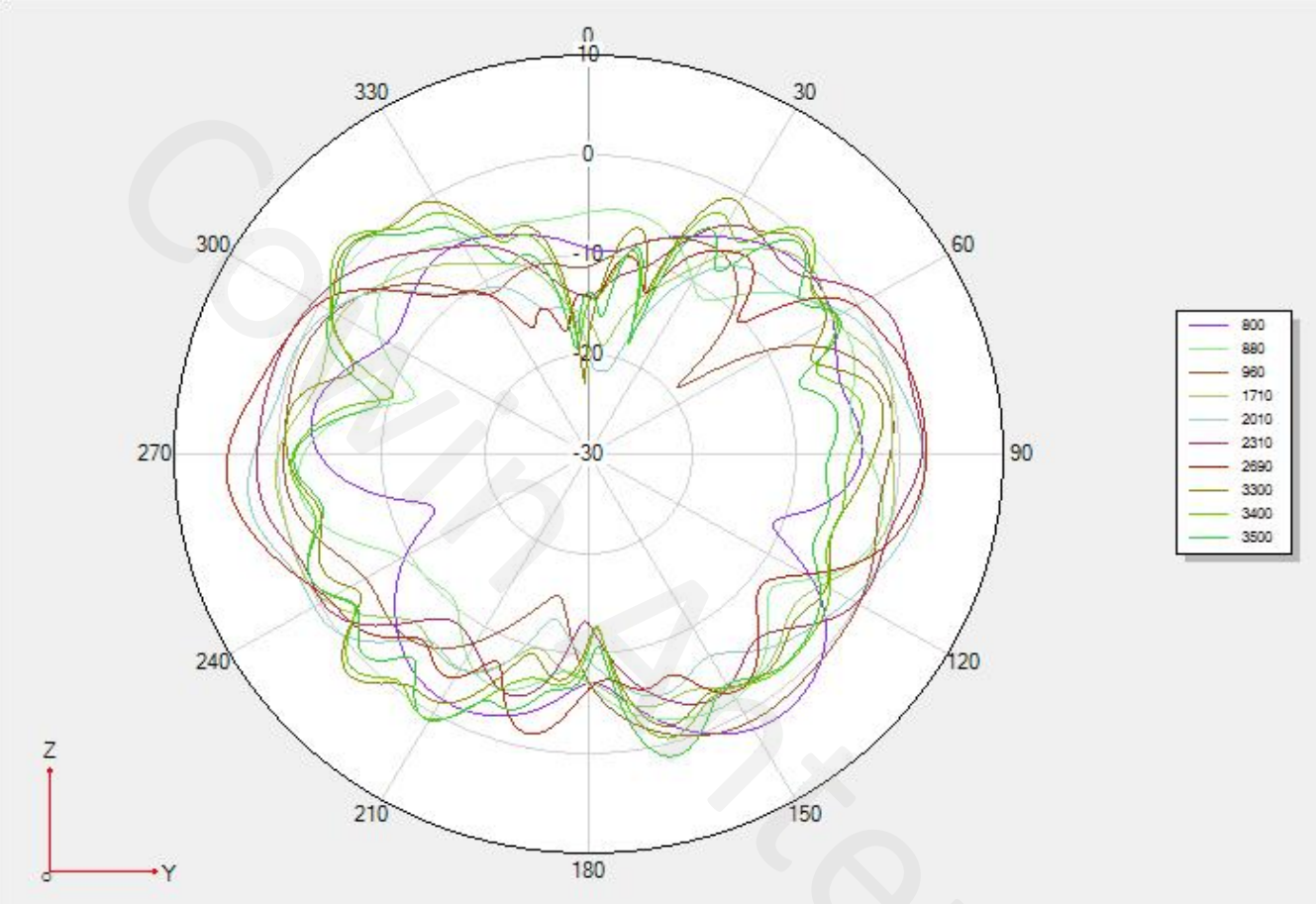

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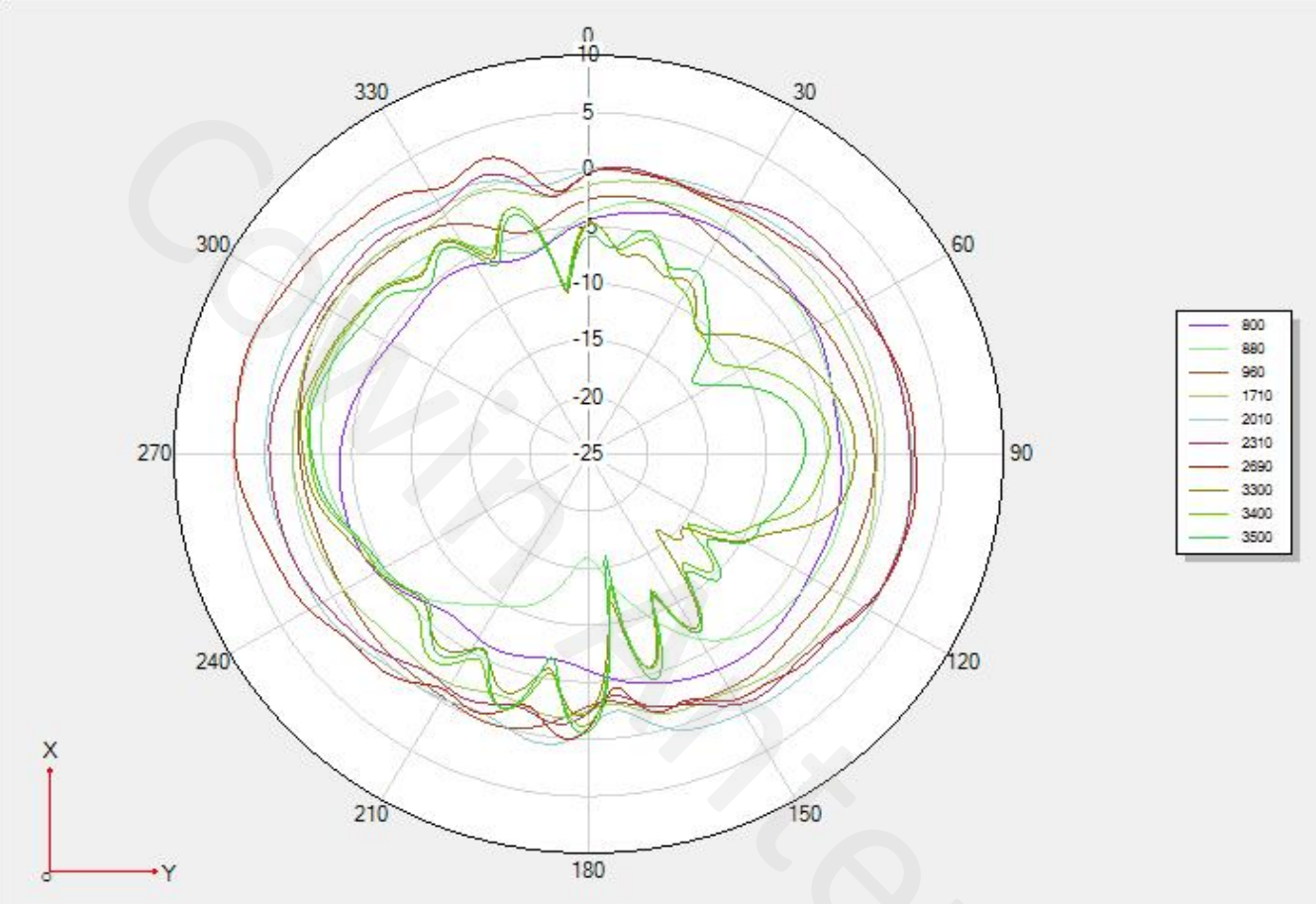

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