# 15dBi 2.4GHz Omni Fiberglass Antenna



Cowin Antenna

| Electrical Specifications 电性指标 | |
|---|---|
| **Part Number** 料号 | **CWBLG24V15SGN-U** |
| **Frequency Range** 频率范围 | **2400-2500MHz** |
| **Bandwidth** 带宽 | **100** |
| **Peak Gain** 峰值增益 | **15dBi** |
| **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 | **≤1.5** |
| **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 | **Rotatable N Male** |
| **Connector Position** 接头位置 | **Bottom** |
| **Cable type** 线材类型 | **/** |
| **Antenna Size** 天线尺寸 | **1570*20MM** |
| **Antenna Weight** 天线重量 | **1.5KG** |
| **Radome Material** 外罩材料 | **Fiberglass** |
| **Radome Colour** 外罩颜色 | **Gray** |
| **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 | **35-50MM** |
| **Mounting Method** 安装方式 | **Pole Mount** |
| **Mounting Model** 安装件型号 | **2*HXJM004.02/03/Dacromet** |
| **Environmental Standards** 环保标准 | **ROHS/REACH** |

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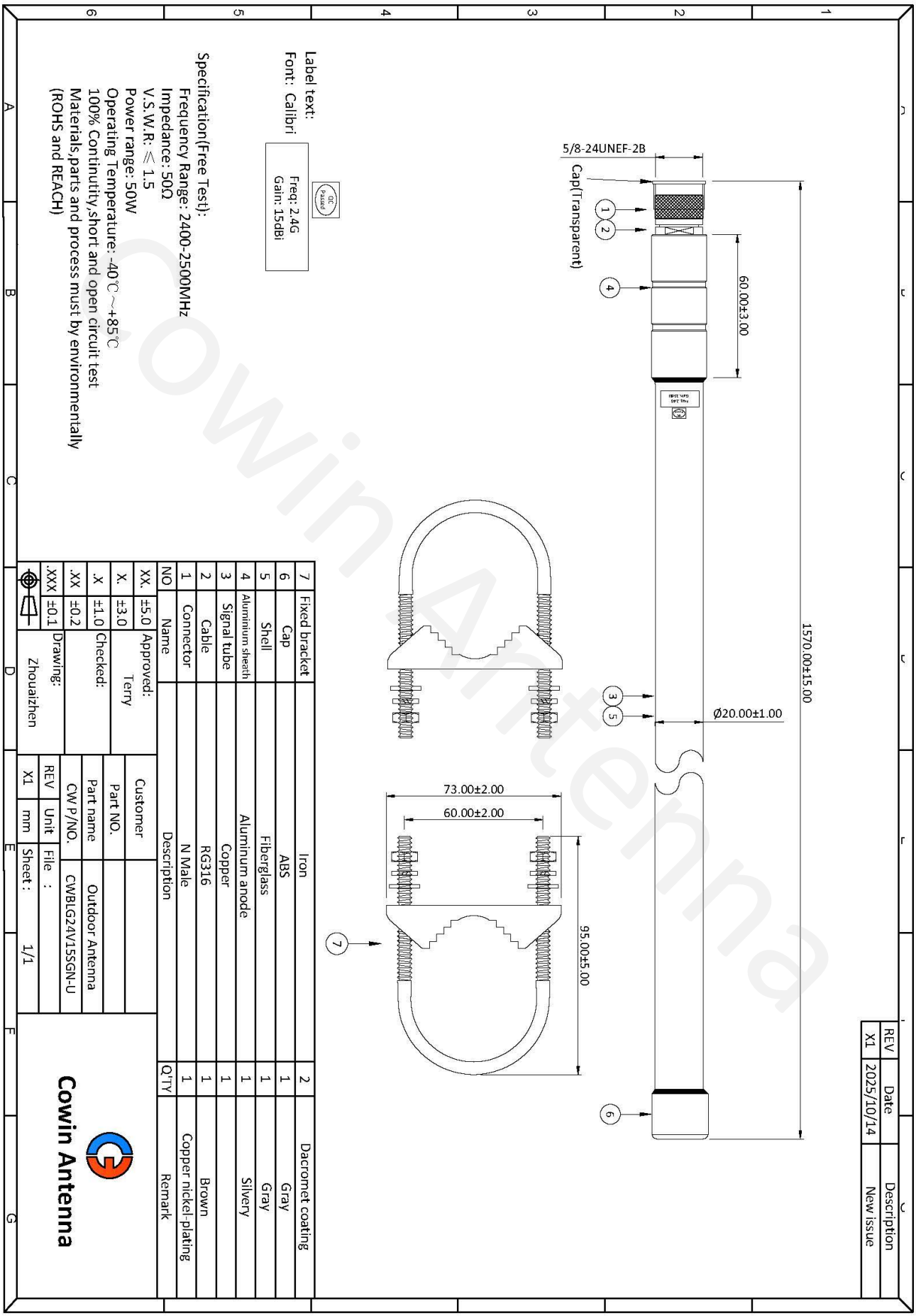


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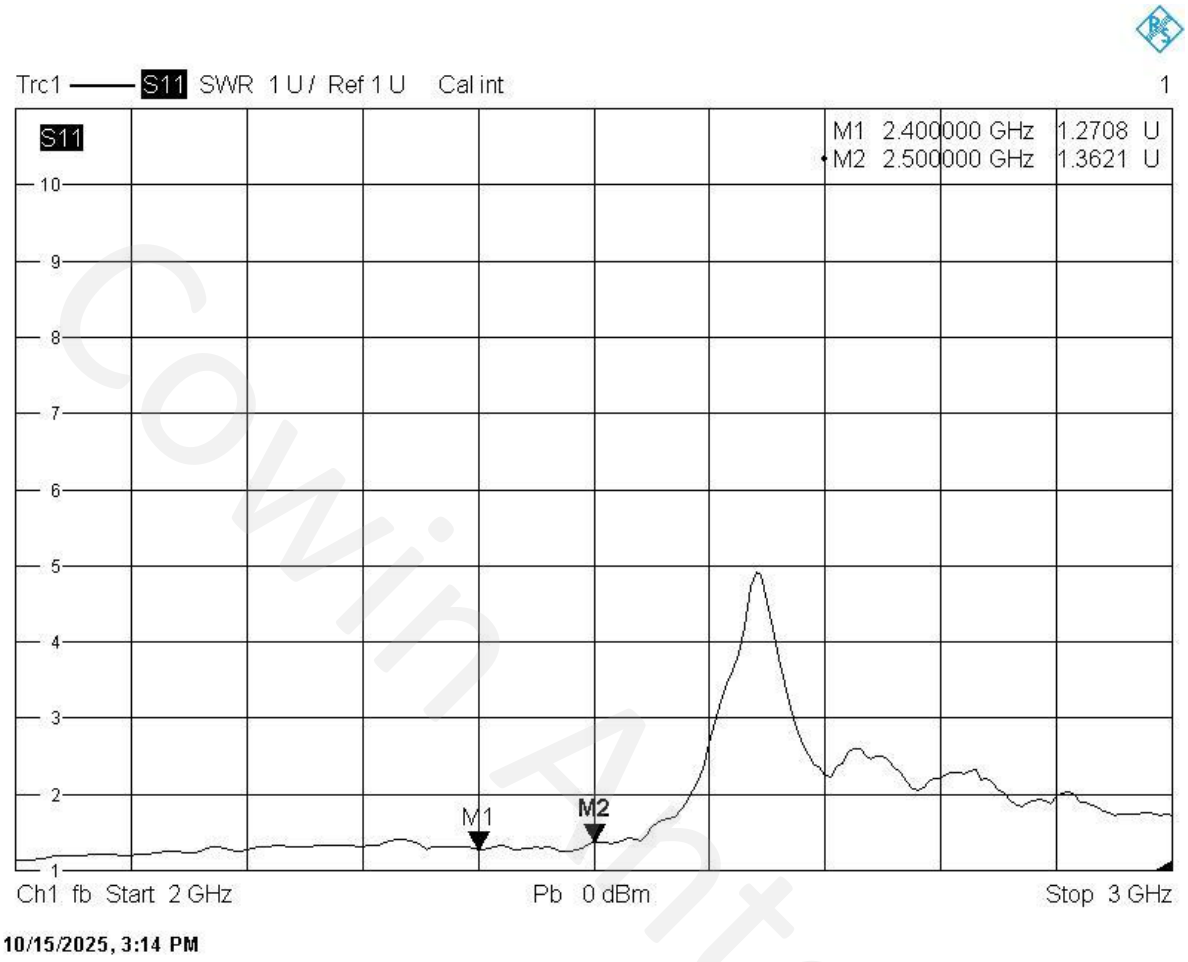
**V.S.W.R**

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**Efficiency**

| Frequency (MHz) | Efficiency (%) |
|---|---|
| 2400 | 63.22 |
| 2425 | 64.41 |
| 2450 | 65.63 |
| 2475 | 65.87 |
| 2500 | 65.25 |

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**Peak Gain**

| Frequency (MHz) | Max Gain (dBi) |
|---|---|
| 2400 | 14.86 |
| 2425 | 14.82 |
| 2450 | 14.76 |
| 2475 | 14.96 |
| 2500 | 14.11 |

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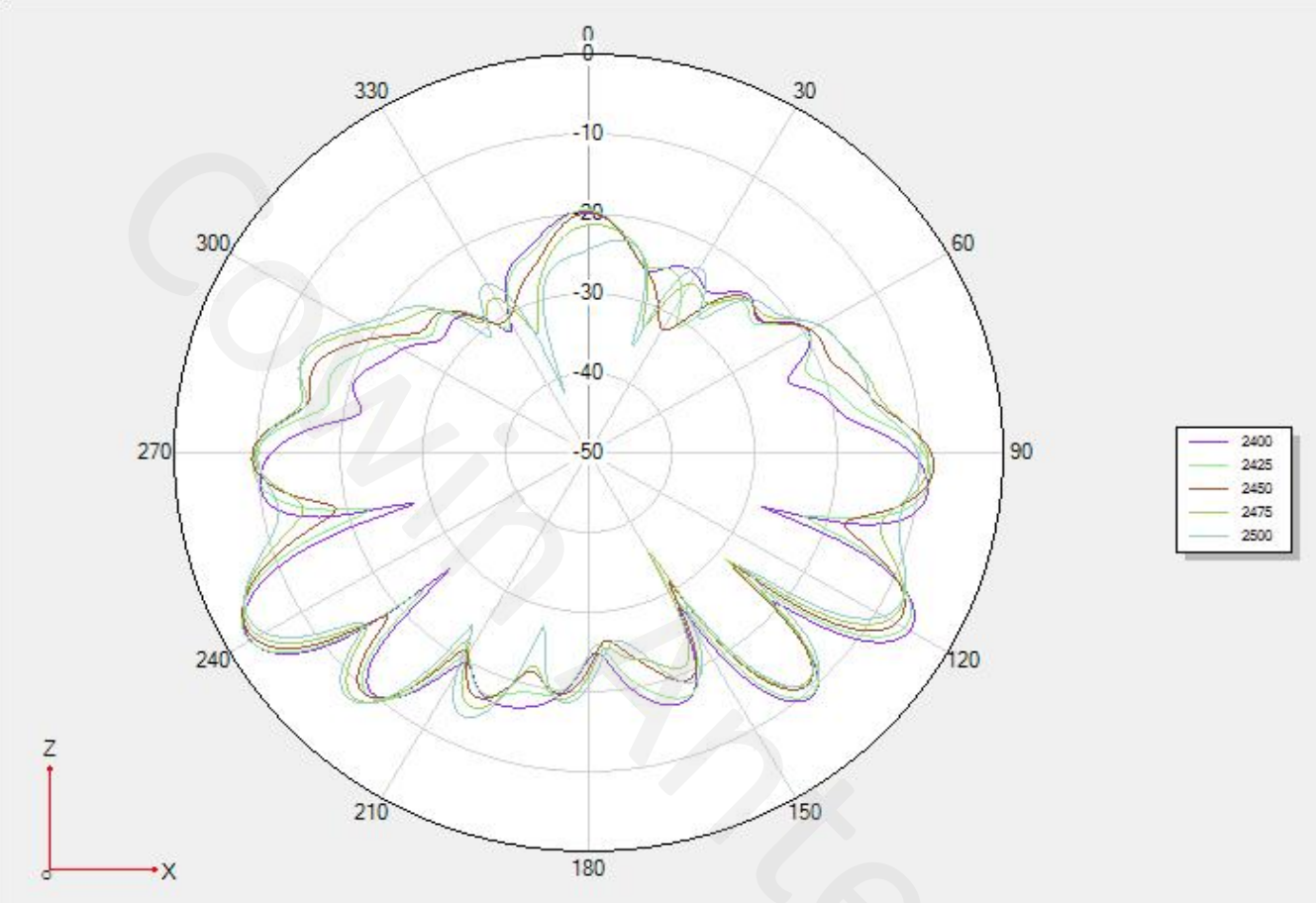
**2D Radiation Patterns**

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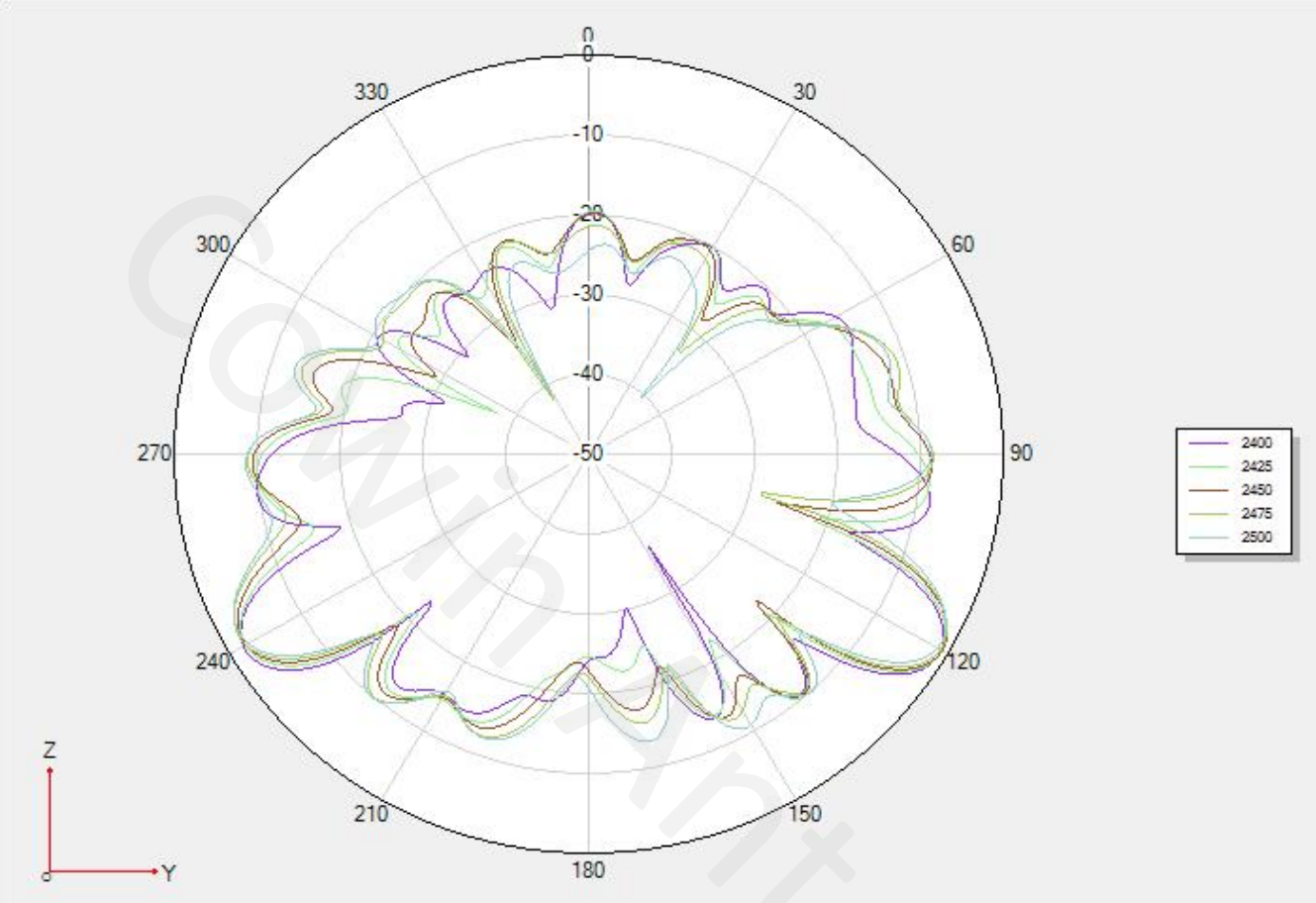


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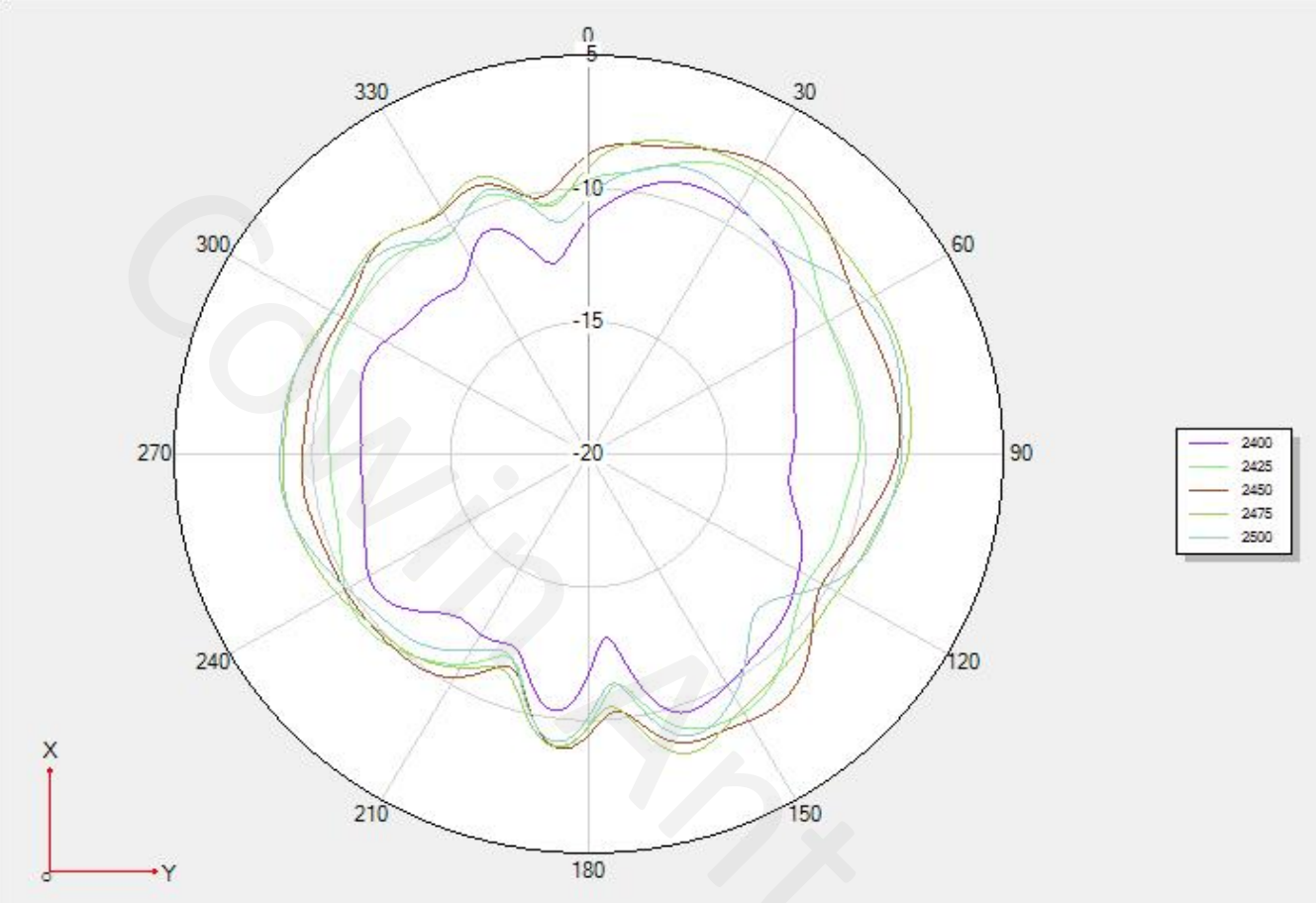


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