

Onboard PCB antenna

Features

- ✧ Onboard PCB antenna with small, low-profile and light-weight type.
- ✧ Wide bandwidth

Applications

Bluetooth/Wireless LAN/Home RF
ISM band 2.4GHz applications

天线信息 (Antenna Information)

天线制造商: 东莞市嘉佰达电子科技有限公司

Antenna Manufacturer: Dongguan Jiabaida Electronic Technology Co., Ltd. 天线类型: 板载天线

Antenna Type: On-board antenna

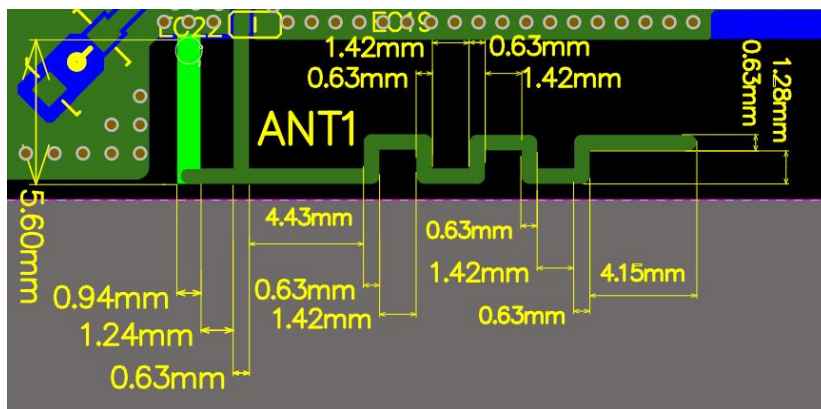
厂家地址: 广东省东莞市塘厦镇莲湖伟业路 10 号

Manufacturer Address: No.10, Lianhu Weiye Road, Tangxia Town, Dongguan City,

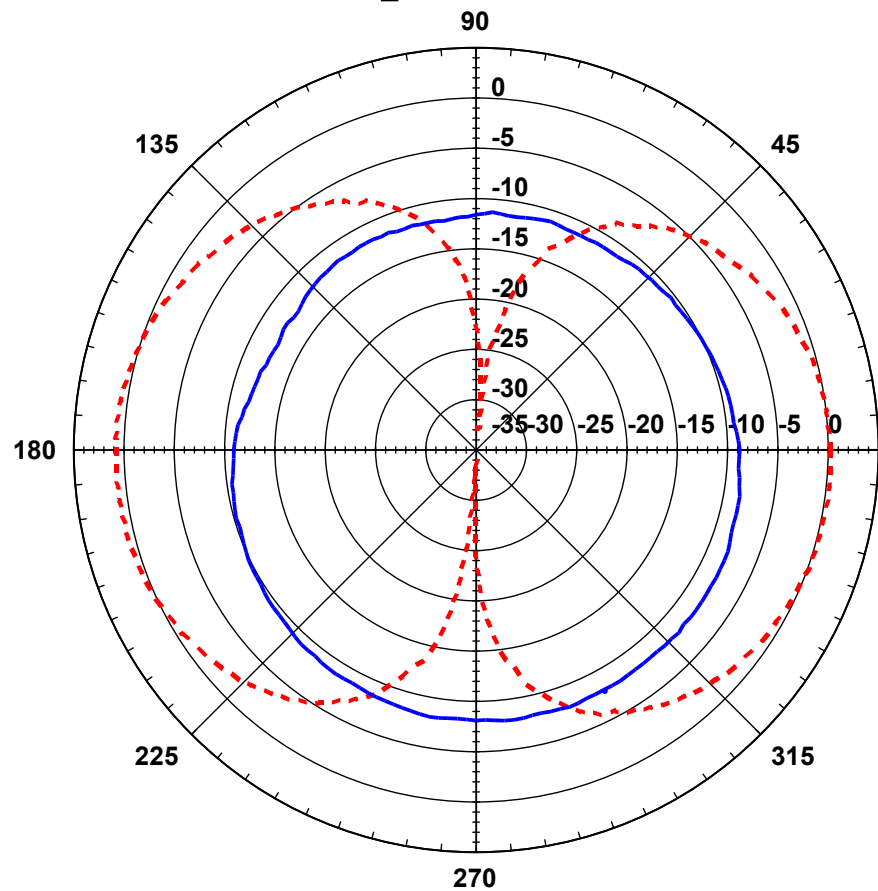
Guangdong Province, P.R.China

Part Number	Frequency Range (MHz)	Peak Gain (XZ-total)	Average Gain (XZ-total)	VSWR	Impedance
PCB ANT	2400~2500	0.5dBi typ.	0dBi typ.	3.0 max.	50 Ω

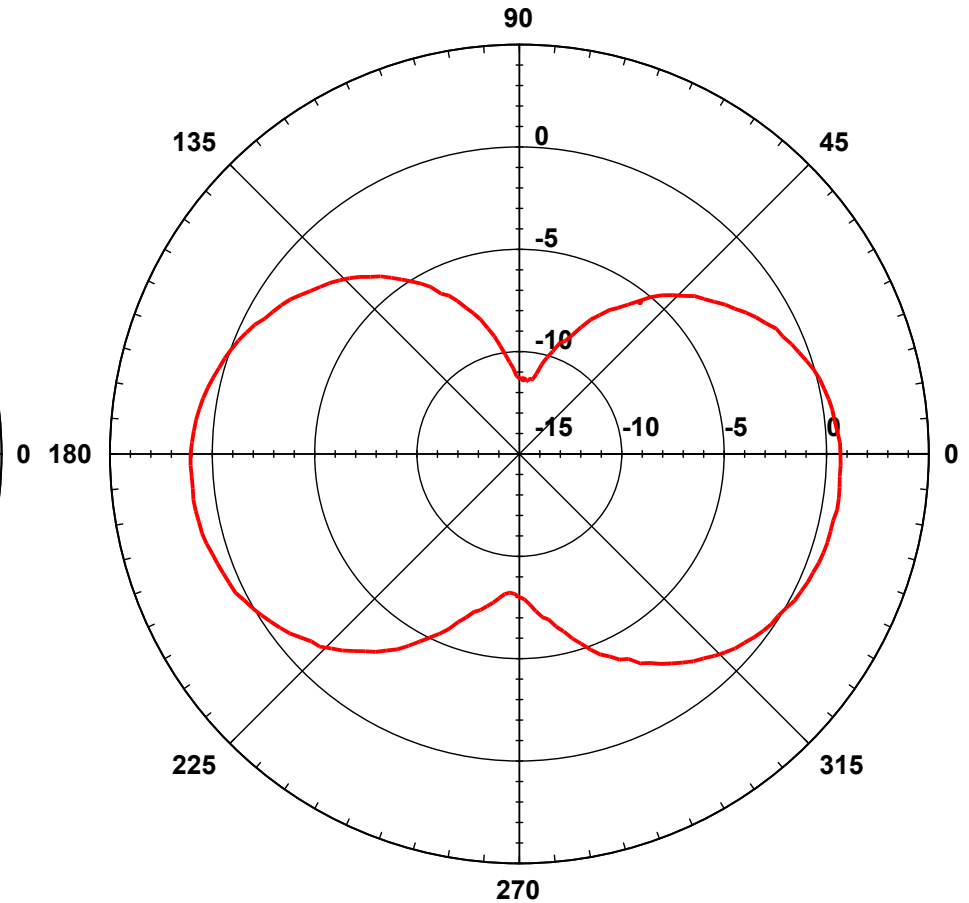
✧ Dimensions



Radiation pattern: Antenna 1. XZ Plane at $f = 2.402\text{GHz}$



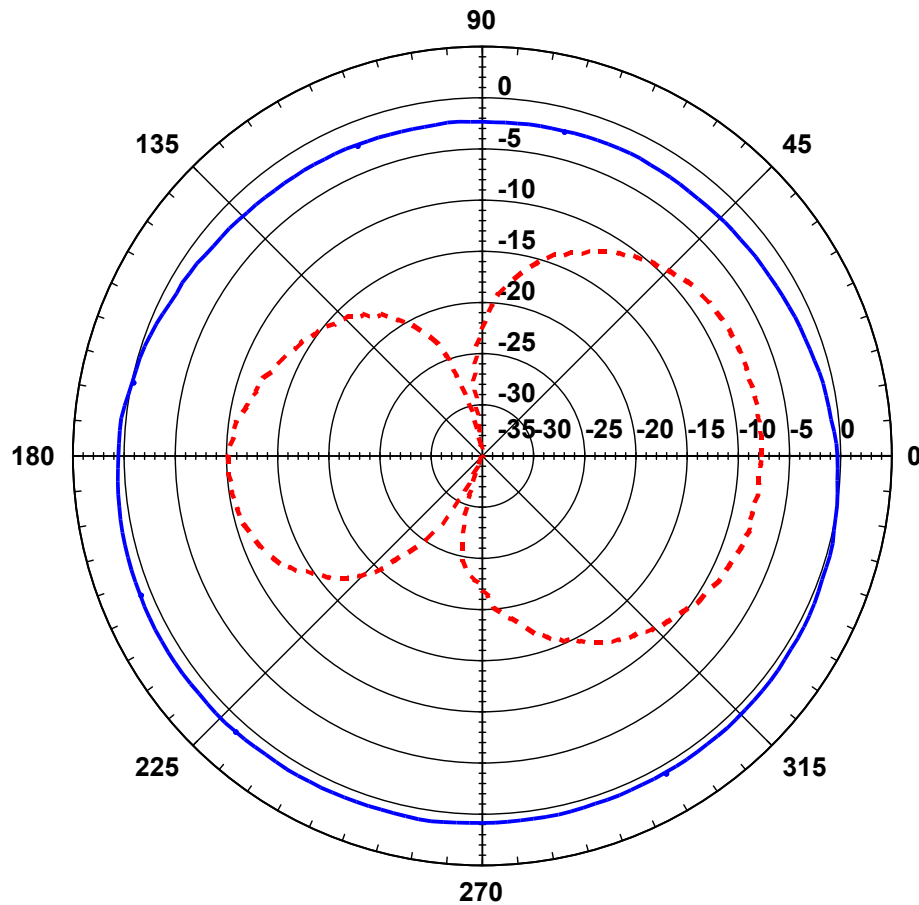
Co-cross polarization field (dBi)



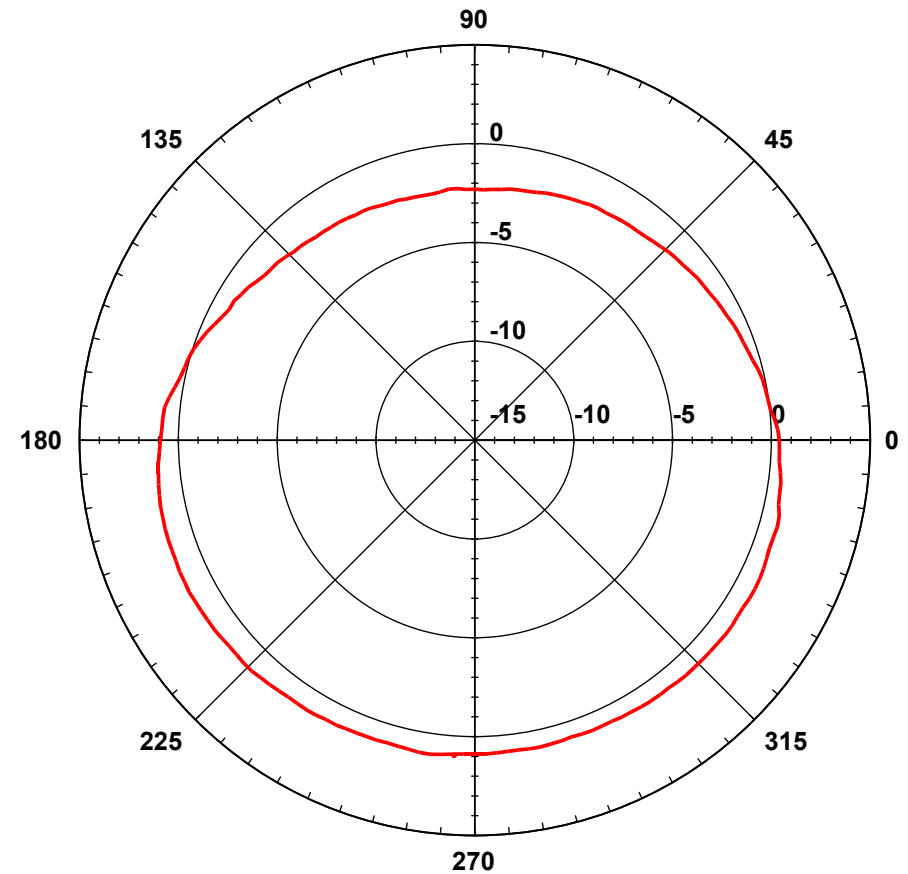
Total field (dBi)

Solid line: vertical polarization
Dash line: horizontal polarization

Radiation pattern: Antenna 1. YZ Plane at $f = 2.402\text{GHz}$



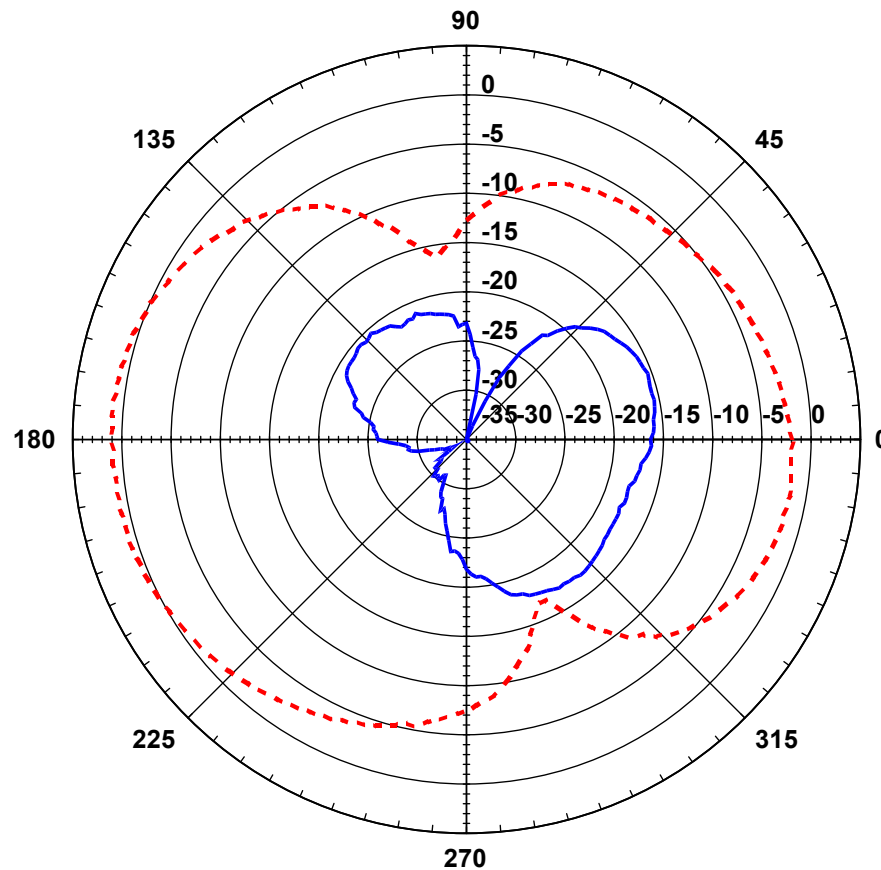
Co-cross polarization field (dBi)



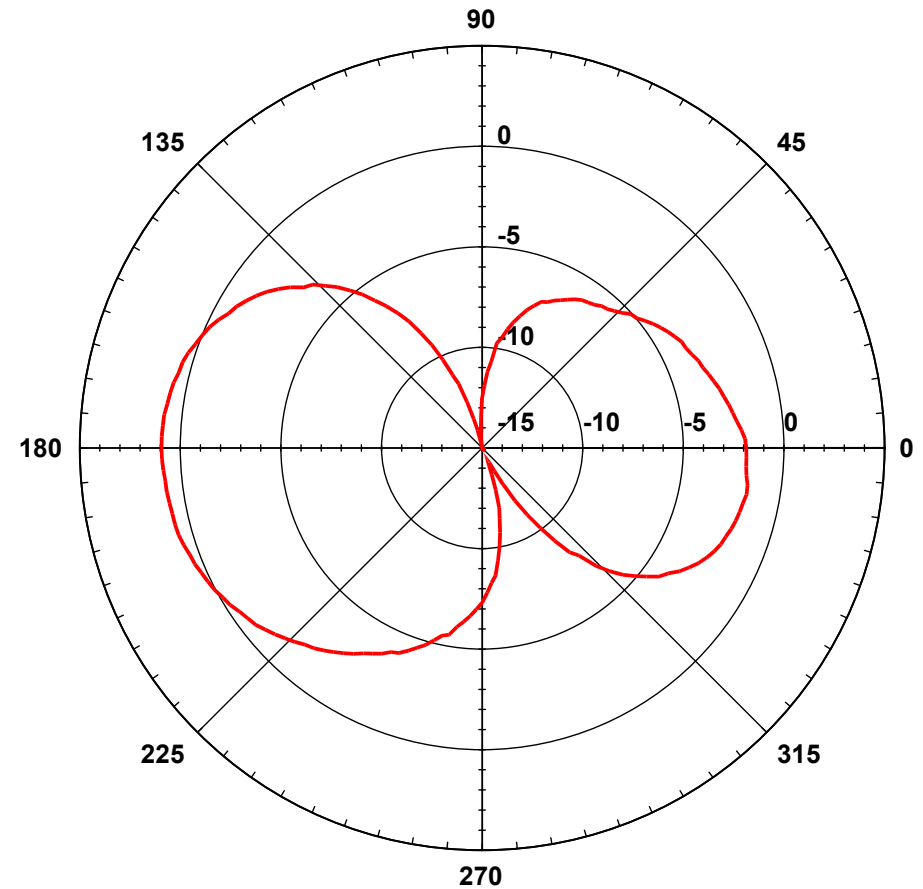
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Radiation pattern: Antenna 1. XY Plane at $f = 2.402\text{GHz}$



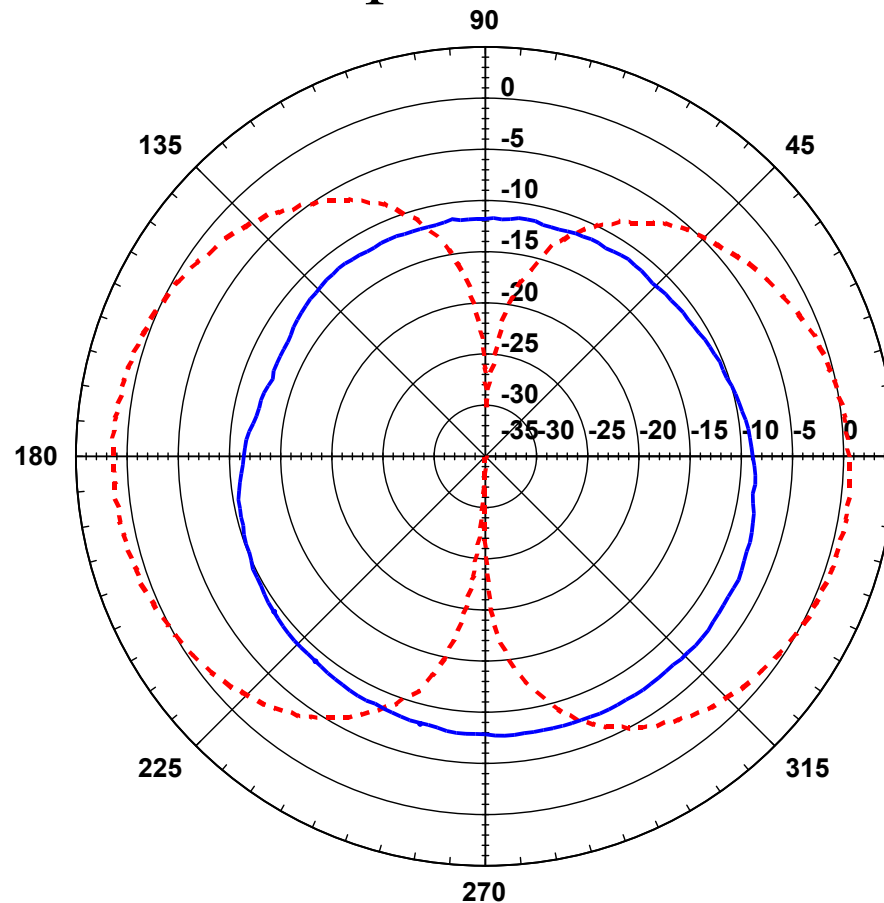
Co-cross polarization field (dBi)



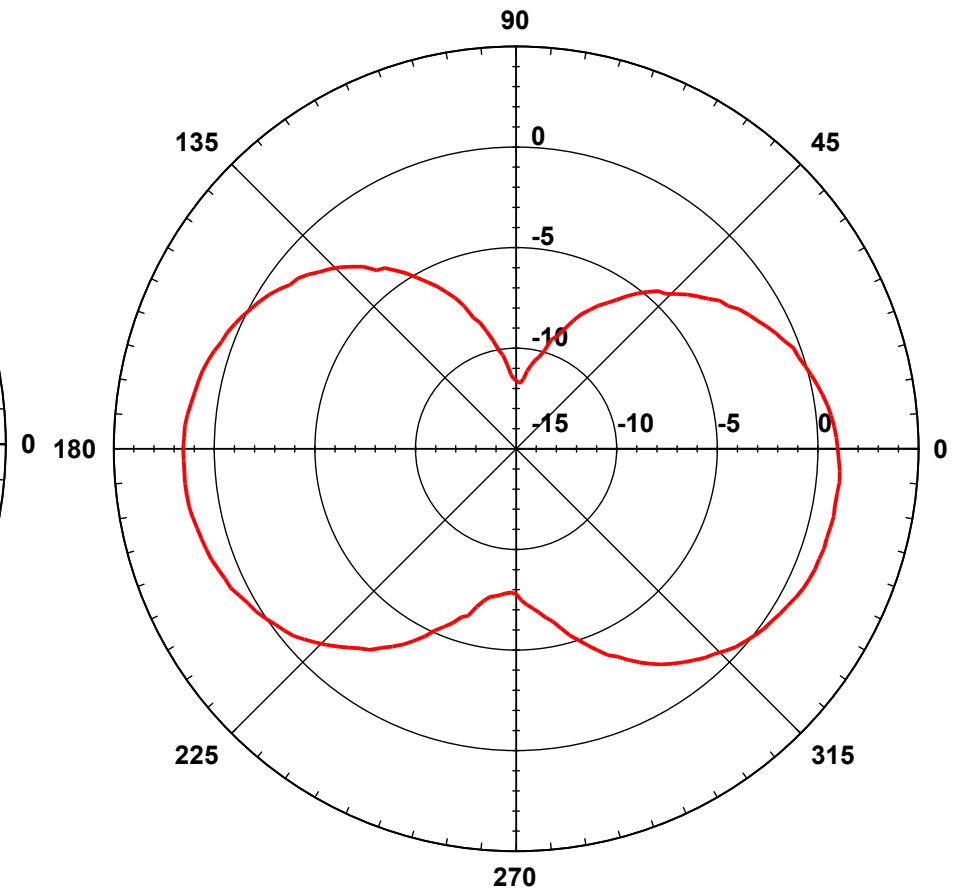
Total field (dBi)

Solid line: vertical polarization
Dash line: horizontal polarization

Radiation pattern: Antenna 1. XZ Plane at $f = 2.441\text{GHz}$



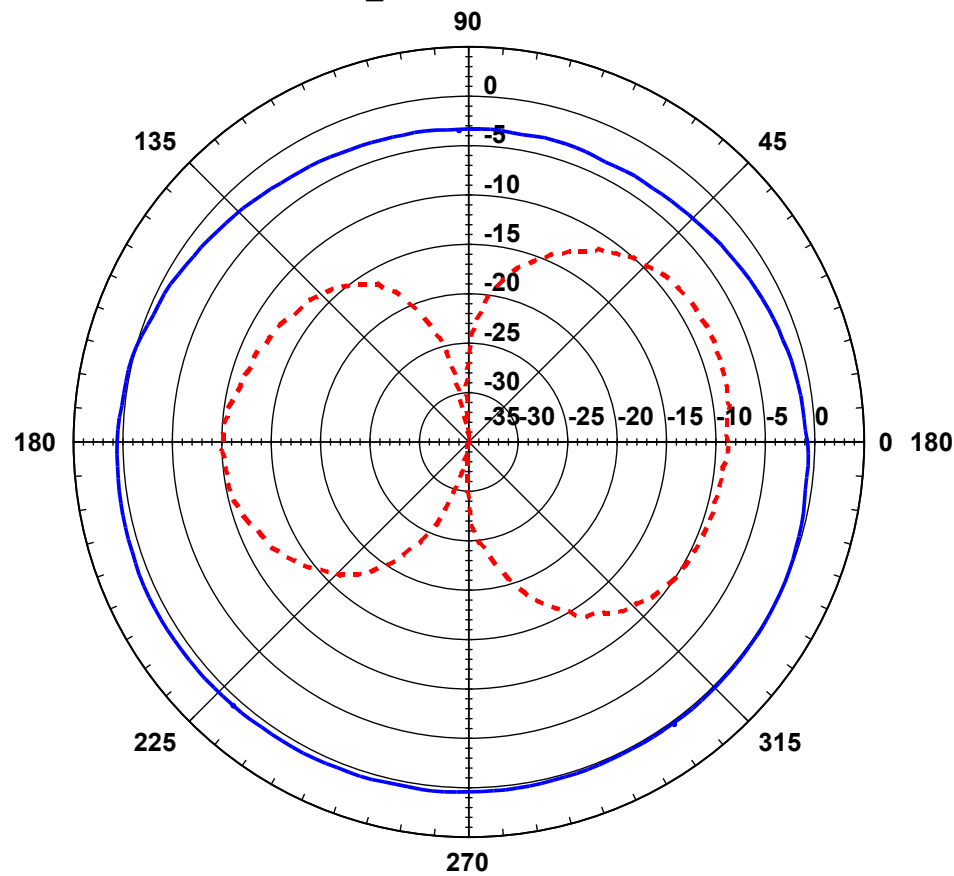
Co-cross polarization field (dBi)



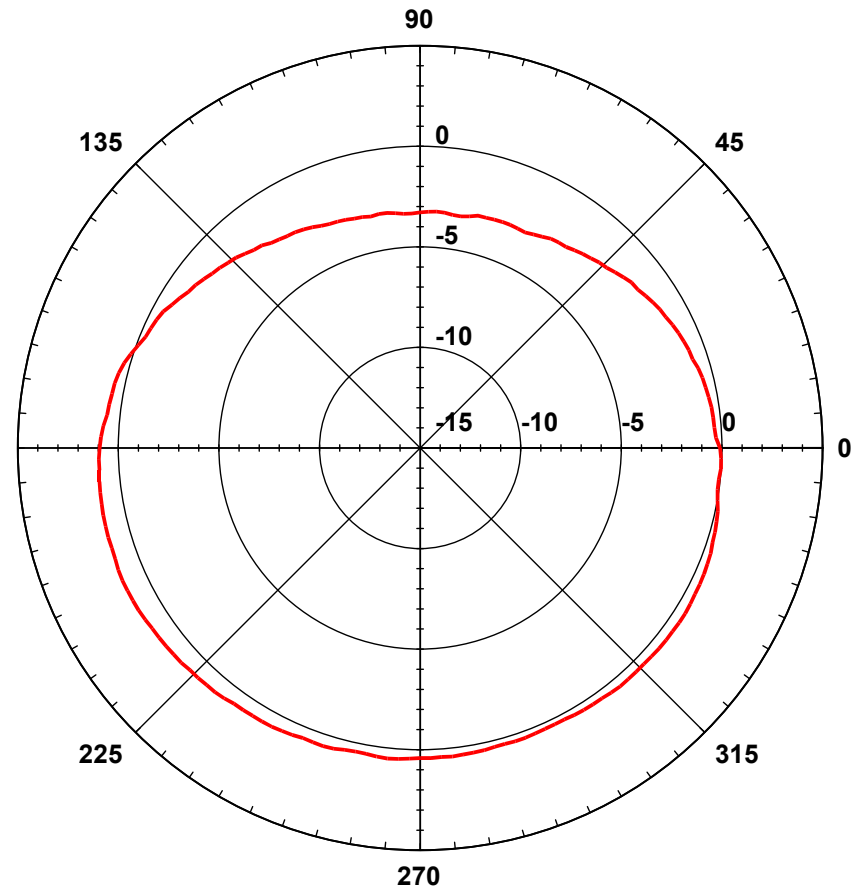
Total field (dBi)

Solid line: vertical polarization
Dash line: horizontal polarization

Radiation pattern: Antenna 1. YZ Plane at $f = 2.441\text{GHz}$



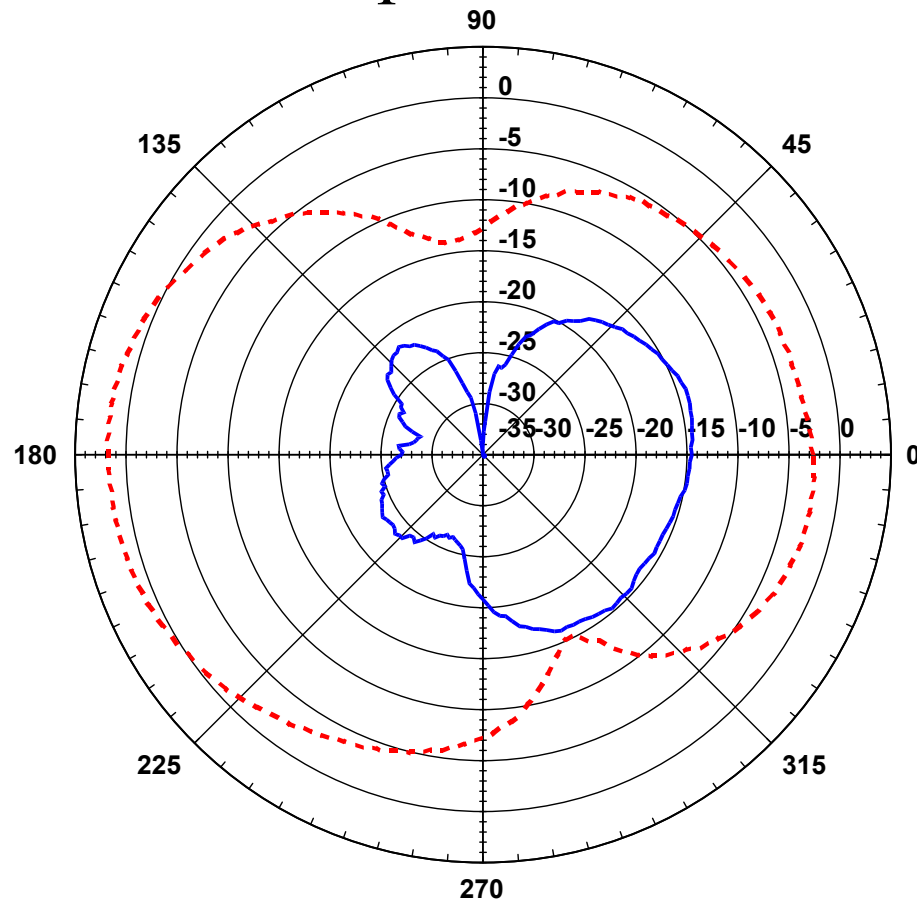
Co-cross polarization field (dBi)



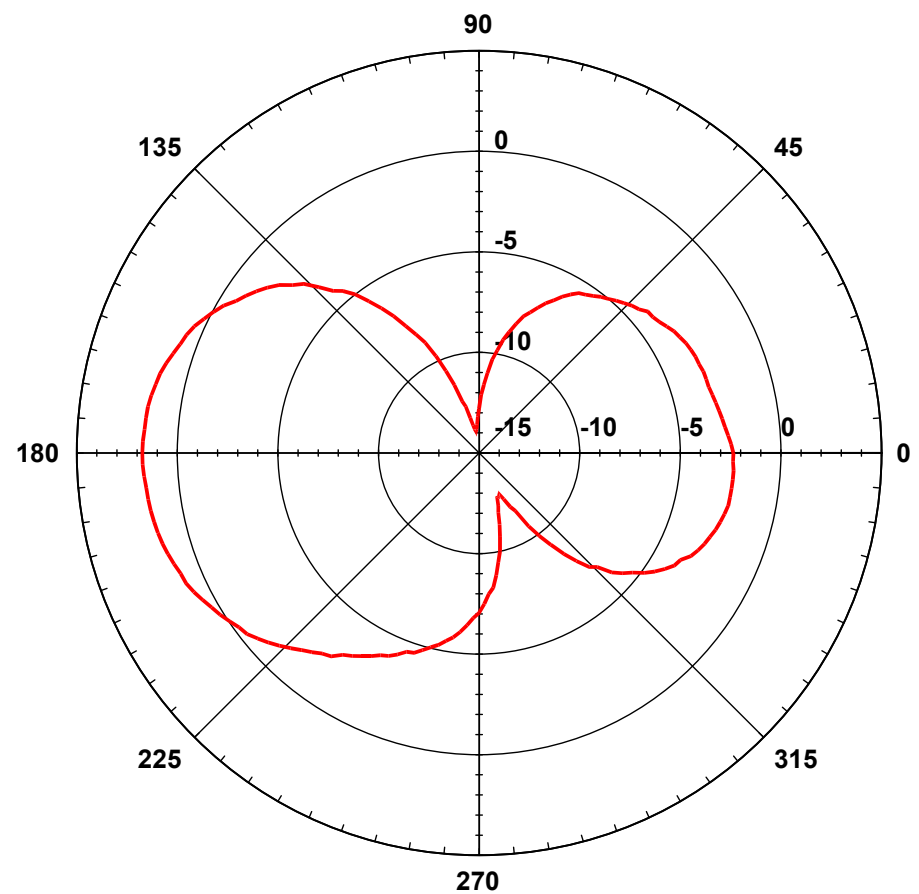
Total field (dBi)

Solid line: vertical polarization
Dash line: horizontal polarization

Radiation pattern: Antenna 1. XY Plane at $f = 2.441\text{GHz}$



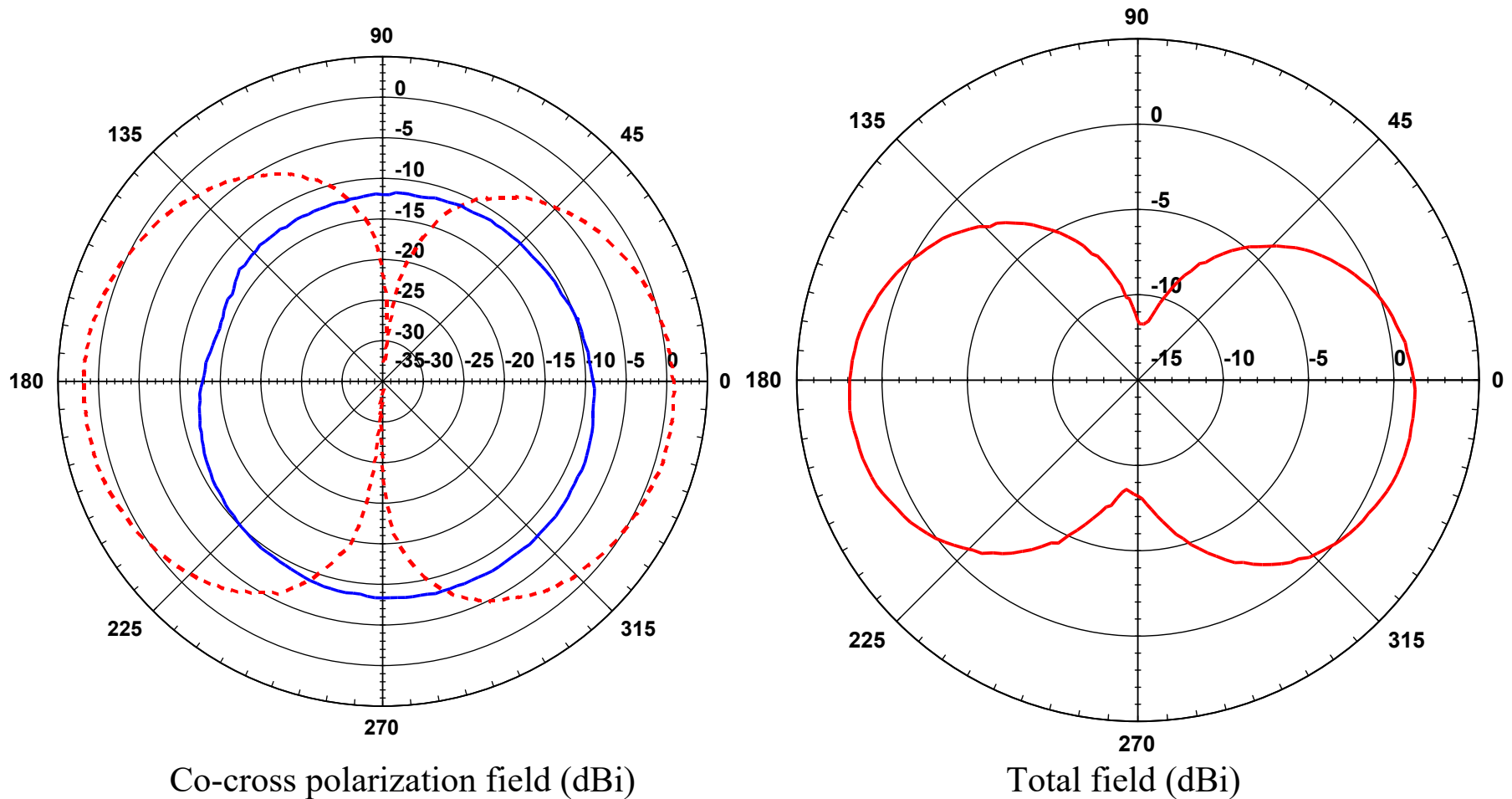
Co-cross polarization field (dBi)



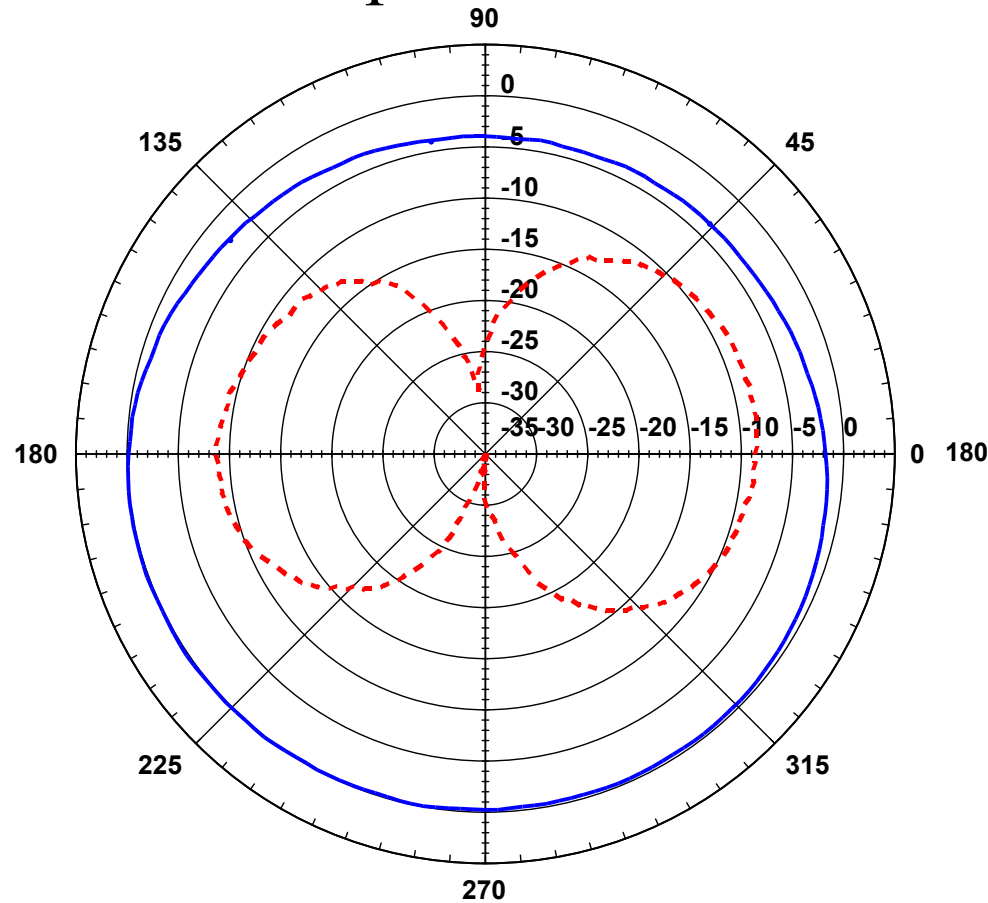
Total field (dBi)

Solid line: vertical polarization
Dash line: horizontal polarization

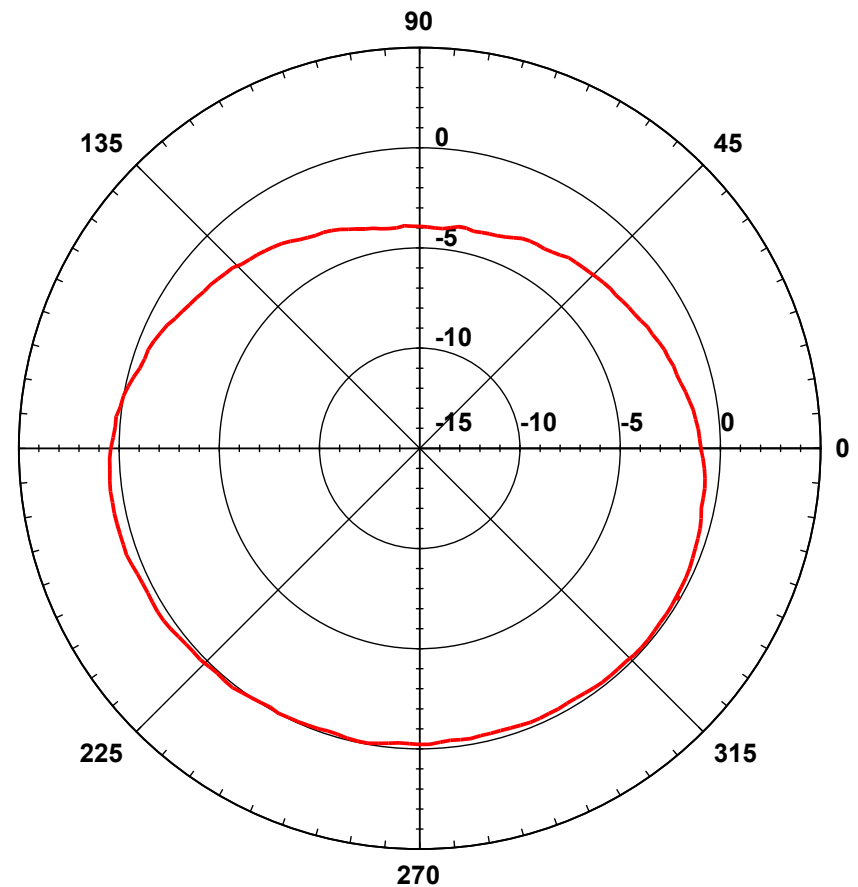
Radiation pattern: Antenna 1. XZ Plane at $f = 2.480\text{GHz}$



Radiation pattern: Antenna 1. YZ Plane at $f = 2.480\text{GHz}$



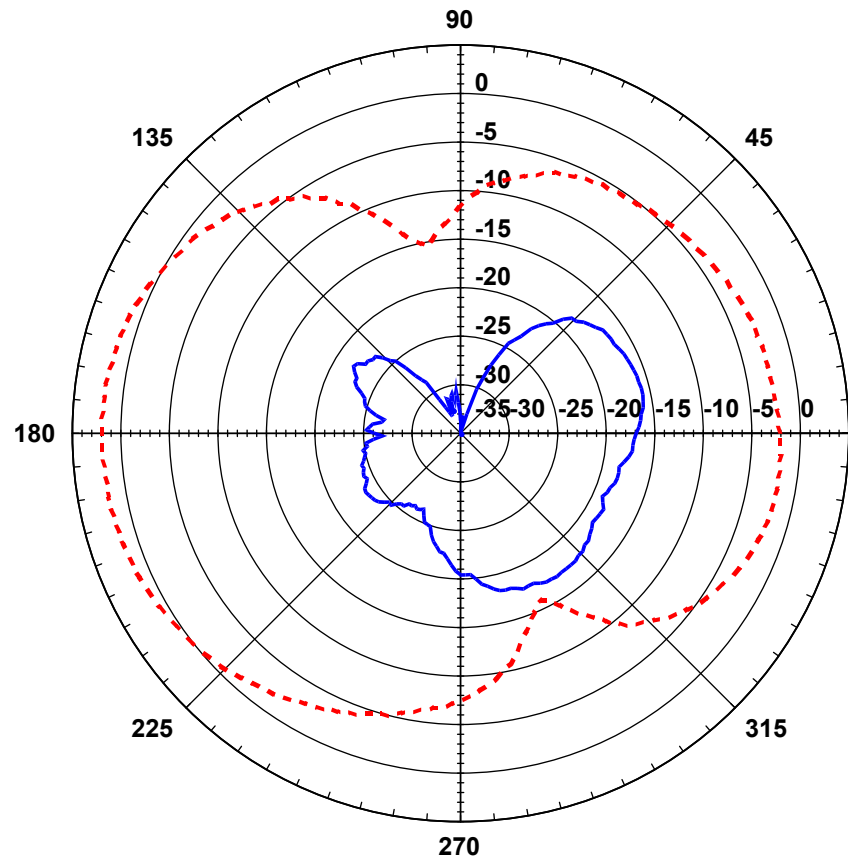
Co-cross polarization field (dBi)



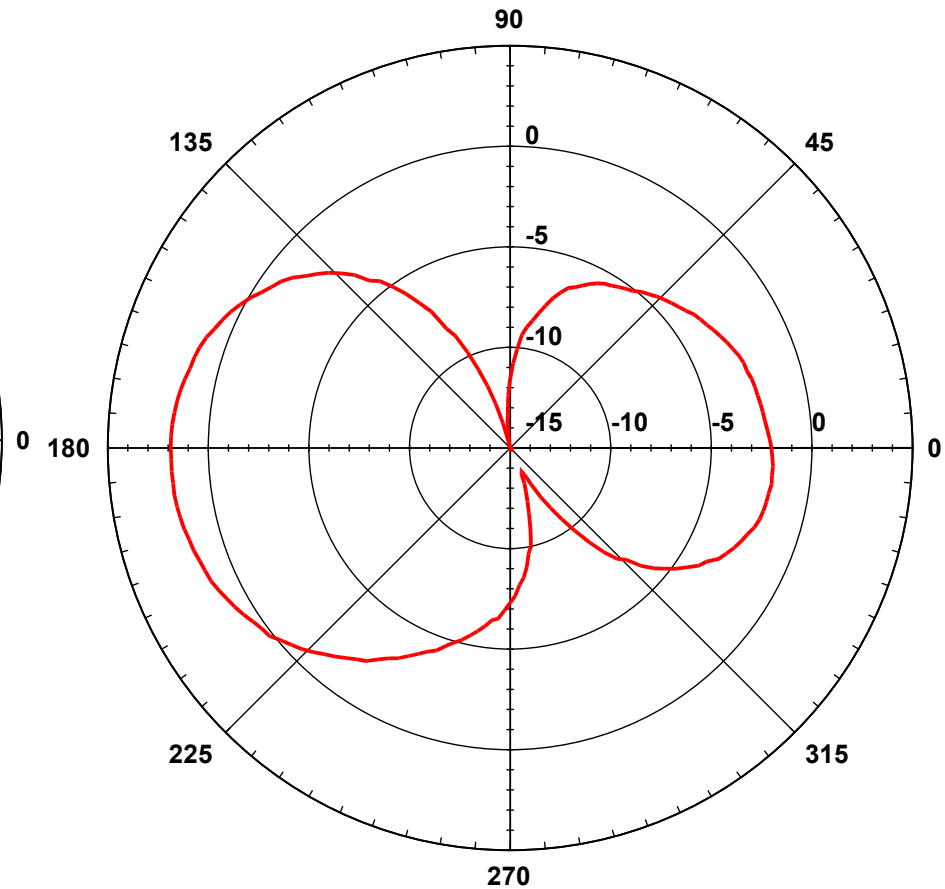
Total field (dBi)

Solid line: vertical polarization
Dash line: horizontal polarization

Radiation pattern: Antenna 1. XY Plane at $f = 2.480\text{GHz}$



Co-cross polarization field (dBi)

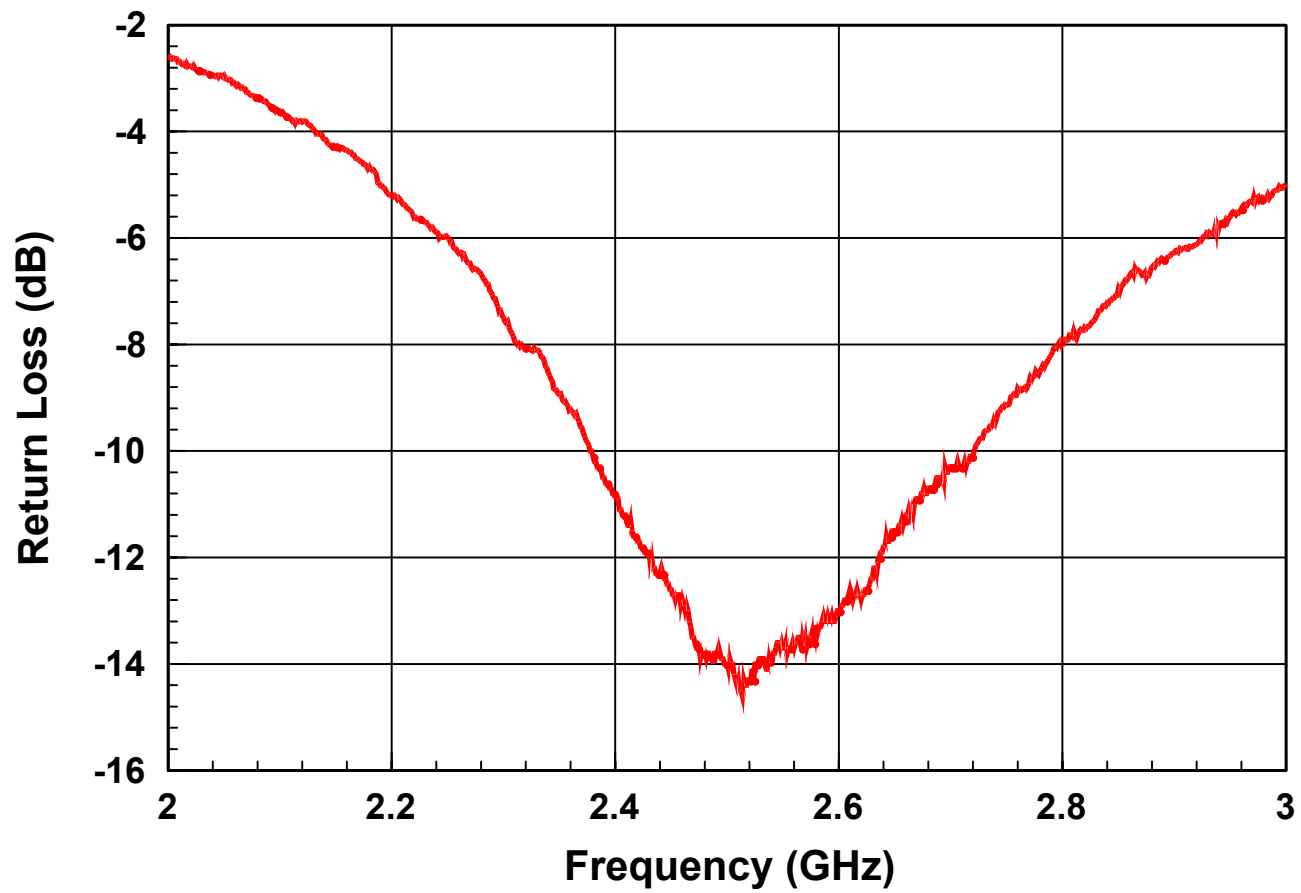


Total field (dBi)

Solid line: vertical polarization

Dash line: horizontal polarization

Return Loss: Antenna 1



BW(-10dB) 🕒 13.48%
