



深圳中科为检测有限公司

Shenzhen CST Testing Co., Ltd.

键盘天线测试报告

Keyboard Antenna Test Report

客 户 名 称：深圳市大开实业发展有限公司

CUSTOMER NAME: Shenzhen Da Kai Industries Limited

产 品 名 称: 3 模, 电脑键盘

PRODUCT NAME: 3M PC Keyboard

客 户 料 号: RFJZ K115-LOGO

CUSTOMER P/N: RFJZ K115-LOGO

制造商: 深圳市大开实业发展有限公司

Manufacturer: Shenzhen Da Kai Industries Limited



Frank Cheng
Laboratory Manager



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1 . Product Specification

主要技术指标		Main technical specifications	
频率范围 (MHz)	2.4~2.5GHz	Frequency Range (MHz)	2.4~2.5GHz
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	5.36144dBi	Peak Gain(dBi)	5.36144dBi
输出电压 驻波比	≤ 2.40	VSWR	≤ 2.40
最大功率	-	Admitted Power	-
极化方式	垂直极化	Polarization	Linear, Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	-	Connector Type	-



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2 .Test Equipment & Conditions

- | | |
|-------------------------------------|---------------------|
| 1. Network Analyzers | Agilent 8753D/5071C |
| 2. 2.HSPA and LTE protocol test set | R&S CMW500 -PT |
| 3. Communications Test Set | Agilent 8960 |
| 4. 3D Chamber Test System | |

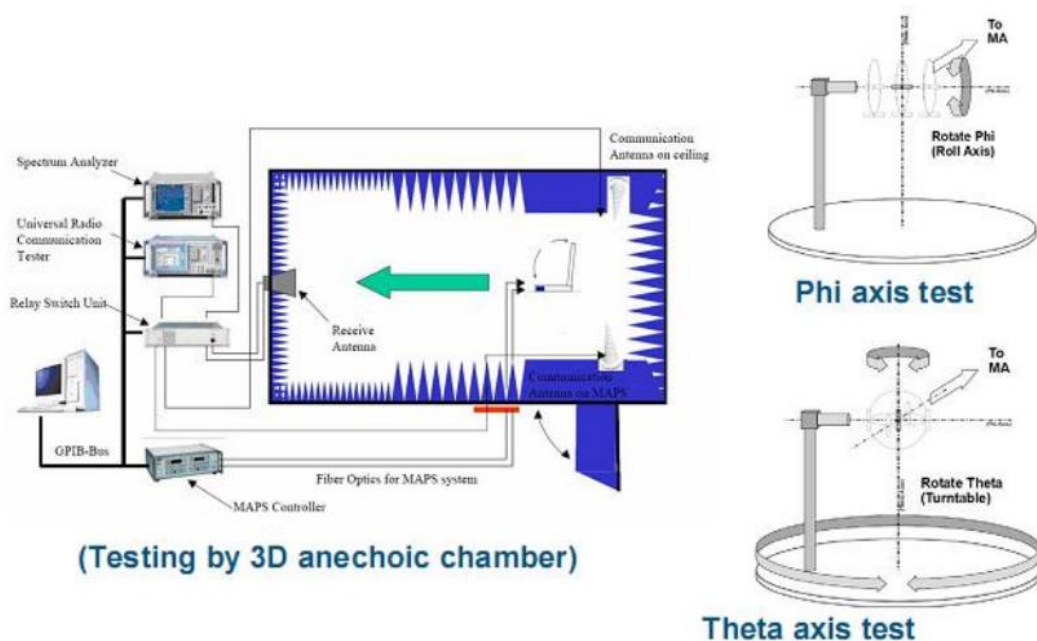
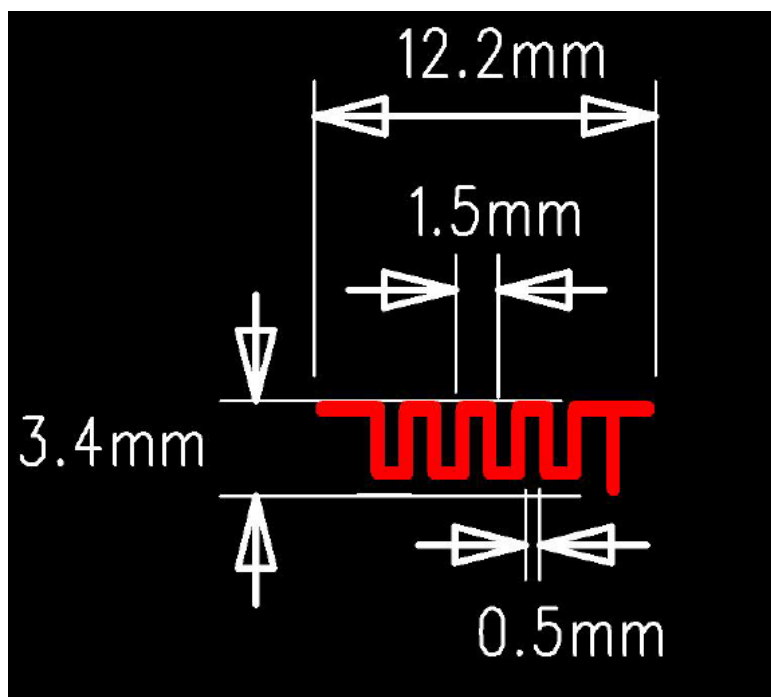
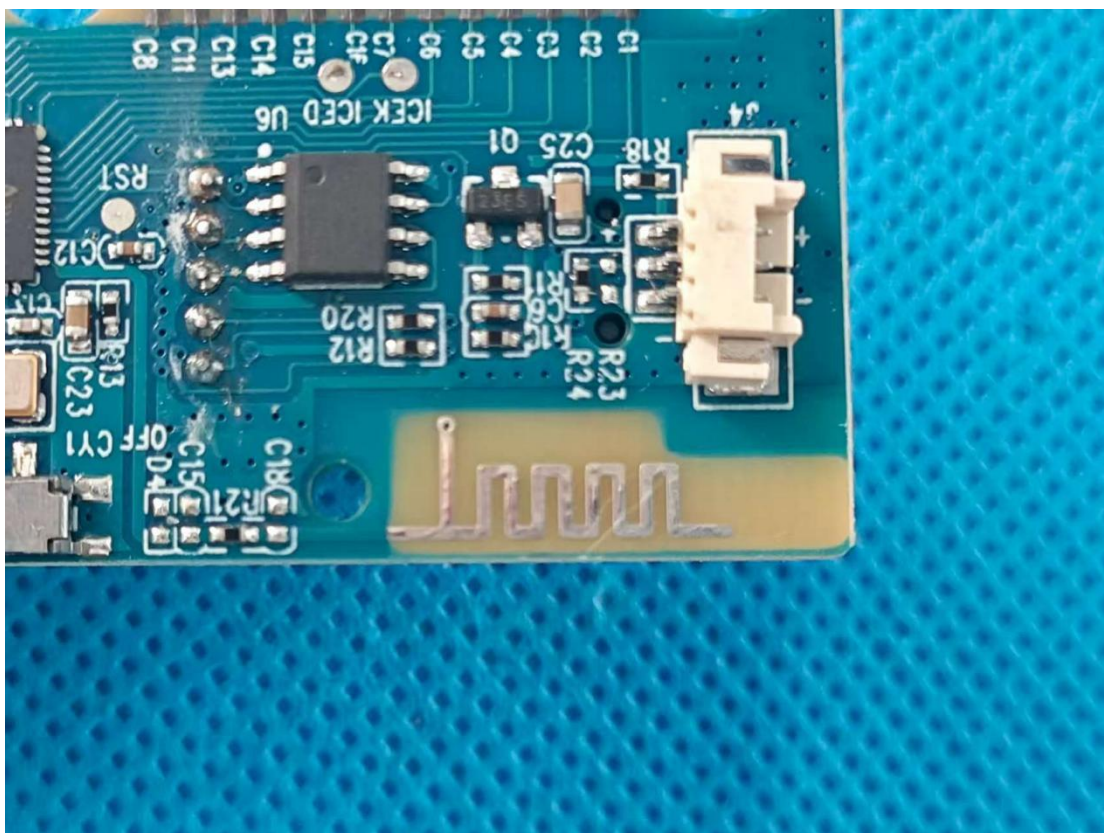


Chart 1 Test topology



3 . Assemble type



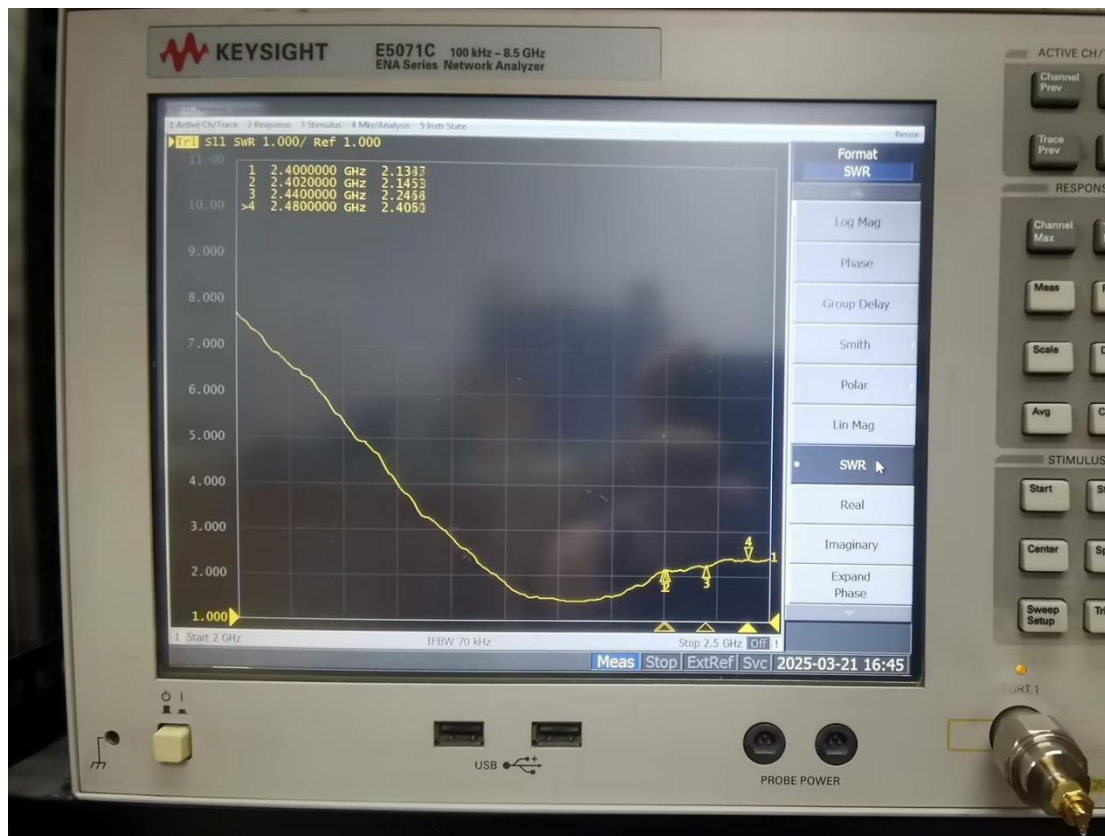


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4. Test Report

4.1 Voltage Standing Wave Ratio(VSWR)



4.2 Efficient and gain.

Frequency	Effic	Percen	Gain	Phi Max	The Max
2400	-1.33975	73.45563%	3.7471	337.5	90
2420	-1.03532	79.65942%	4.6542	337.5	91
2440	-0.54516	88.20323%	5.35114	337.5	93
2460	-0.23564	87.87645%	5.35876	337.5	92
2480	-0.5989	87.11841%	5.36144	337.5	95
2500	-0.1026	85.26485%	5.34854	337.5	94



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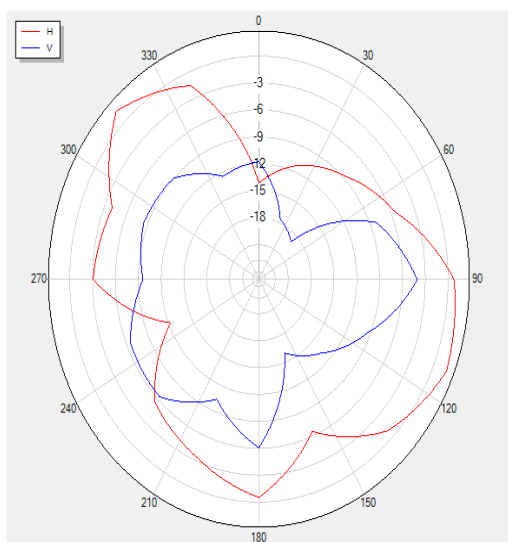


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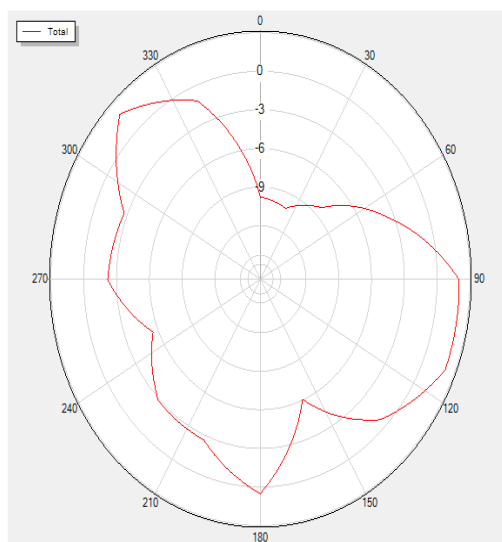
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4.3 Radiation pattern.

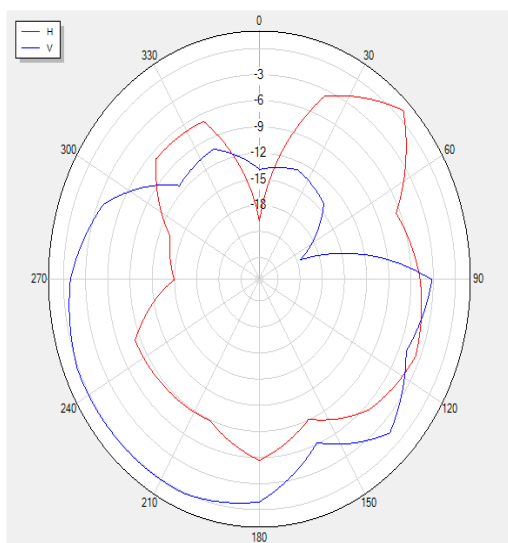
2404P0 Polar



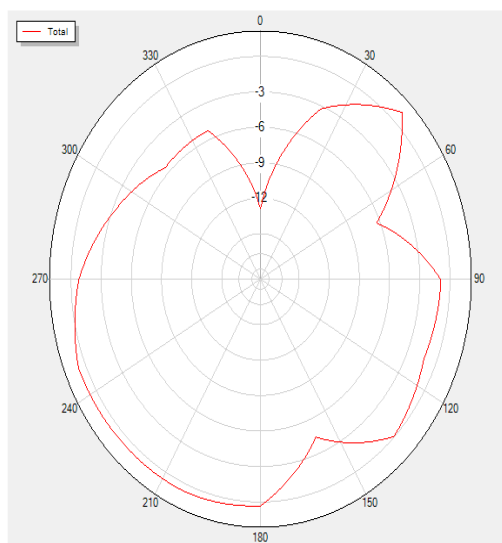
2404P0 Total



2404P90 Polar



2404P90 Total

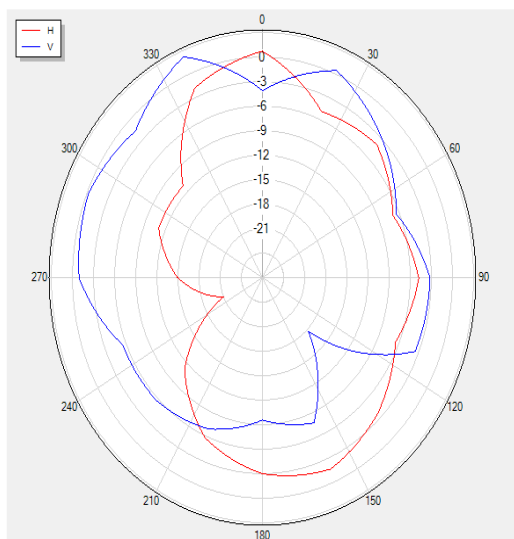




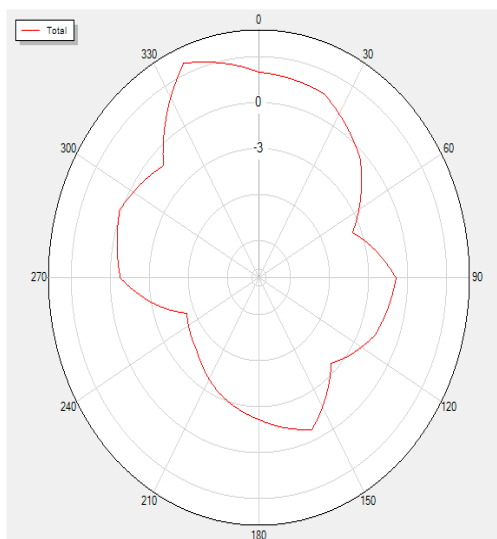
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2404T90 Polar



2404T90 Total

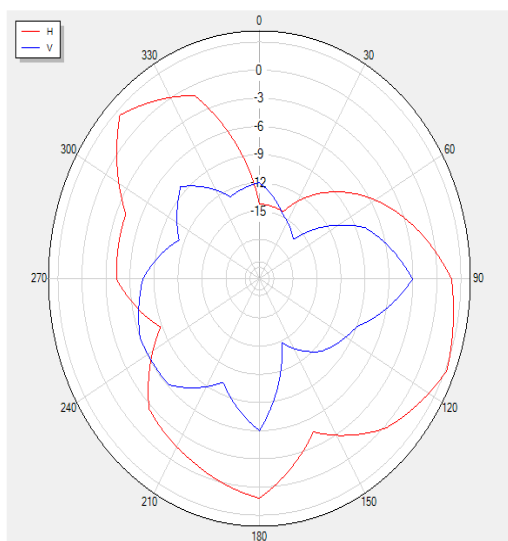




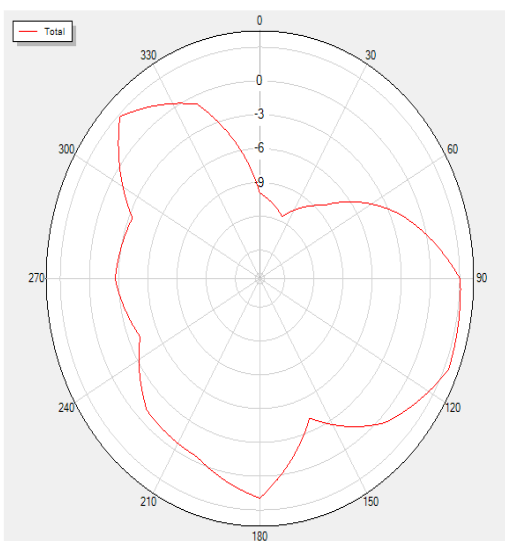
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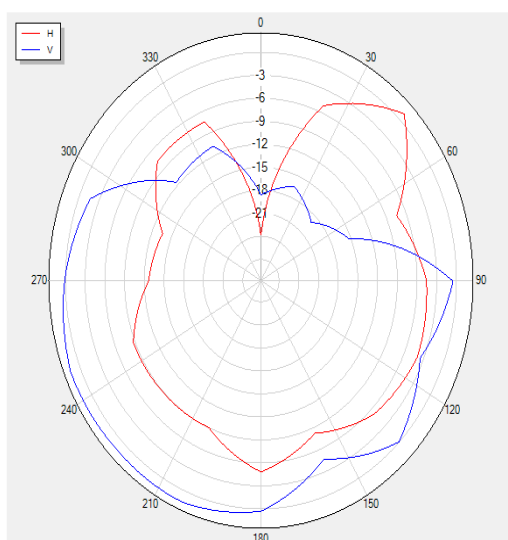
2438P0 Polar



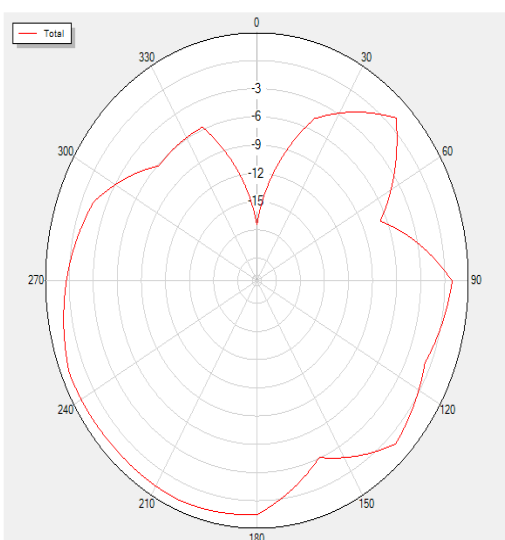
2438P0 Total



2438P90 Polar



2438P90 Total

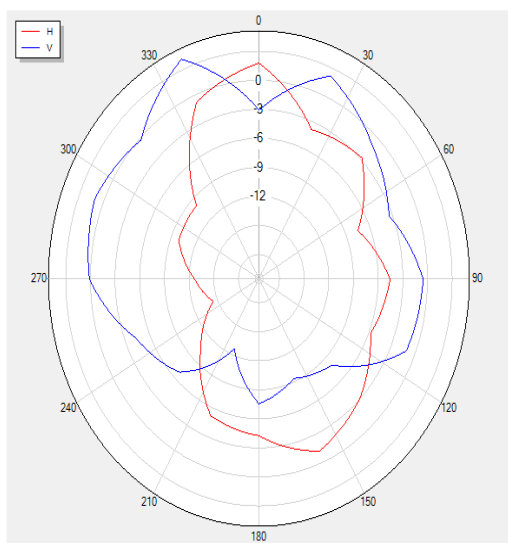




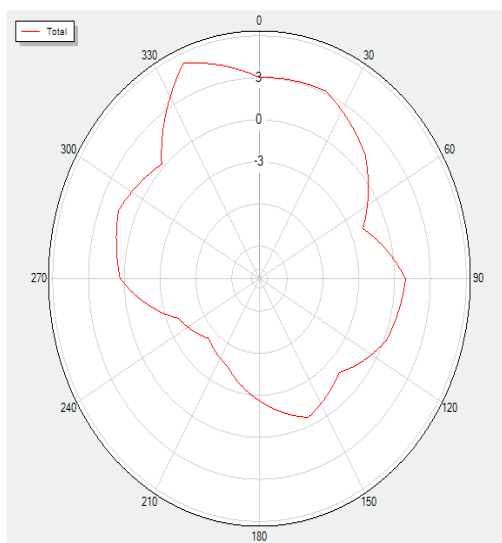
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2438T90 Polar



2438T90 Total

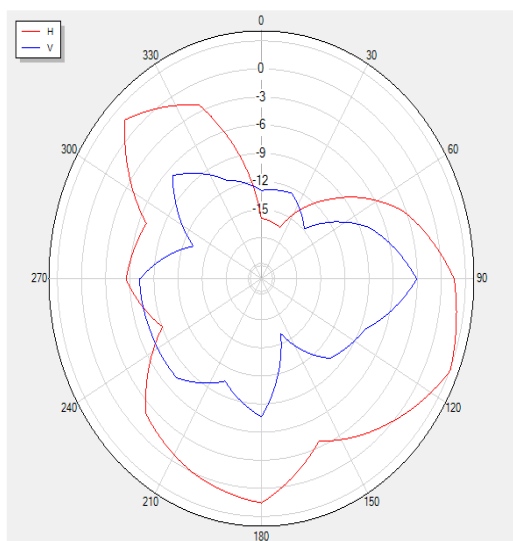




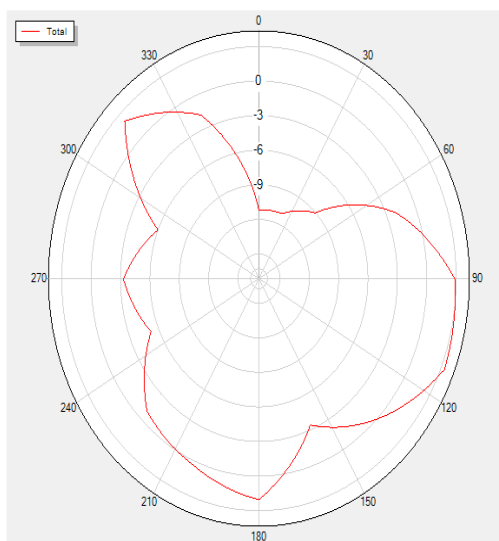
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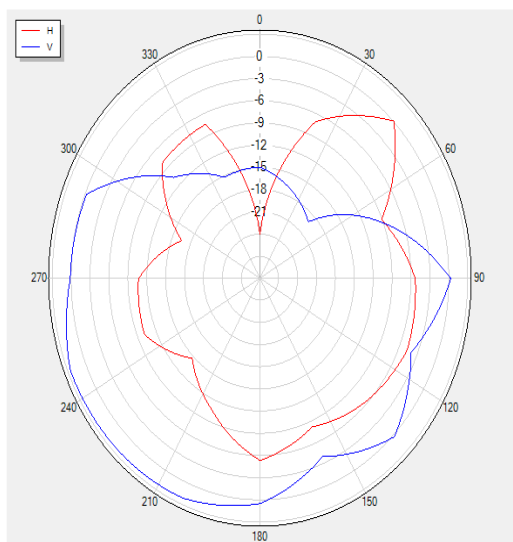
2472P0 Polar



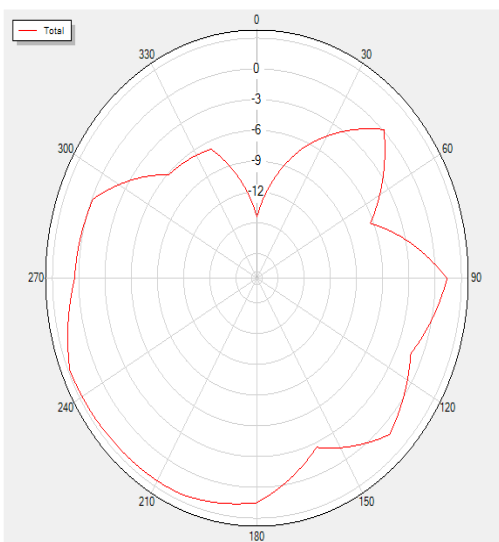
2472P0 Total



2472P90 Polar



2472P90 Total

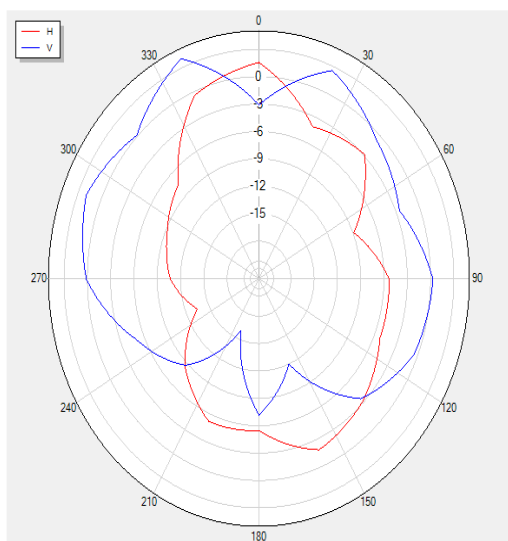




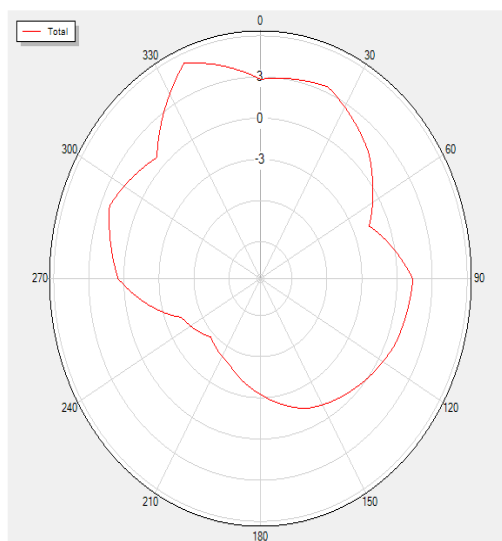
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2472T90 Polar



2472T90 Total



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