

Shenzhen CST Testing Co., Ltd

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Antenna Test Report

Customer Name	Granwin IoT Technology (Guangzhou) Co., Ltd
Product Name	GY-BT2G
Customer P/N	GY-BT2G
Manufacturer	Granwin IoT Technology (Guangzhou) Co., Ltd

Frank Cheng

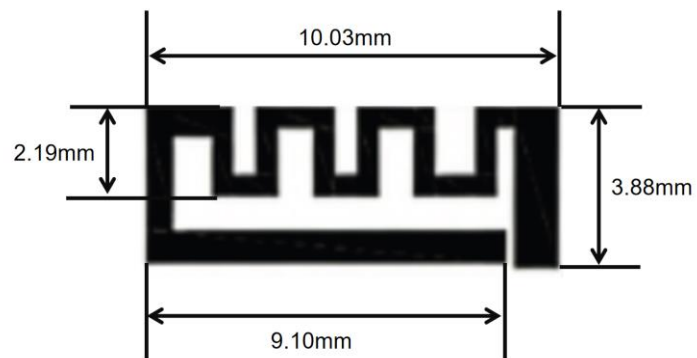
Laboratory Manager

1. Specifications

Main Technical Specifications

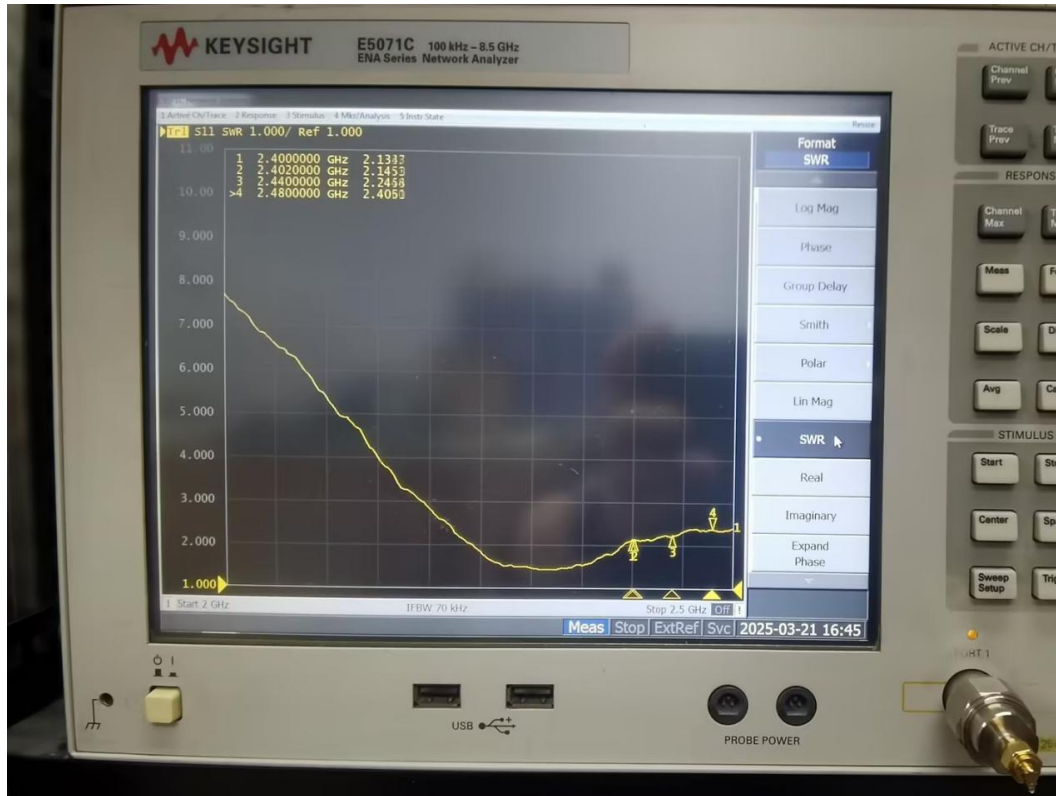
Parameter	Specification
Frequency Range	2.4 ~ 2.5 GHz
Impedance	50 Ω
Peak Gain	0 dBi
VSWR	≤ 2.40
Admitted Power	-
Polarization	Linear, Vertical
Radiation Pattern	Omni-directional
Connector Type	SMA

2. Product Photos



3. Test Report

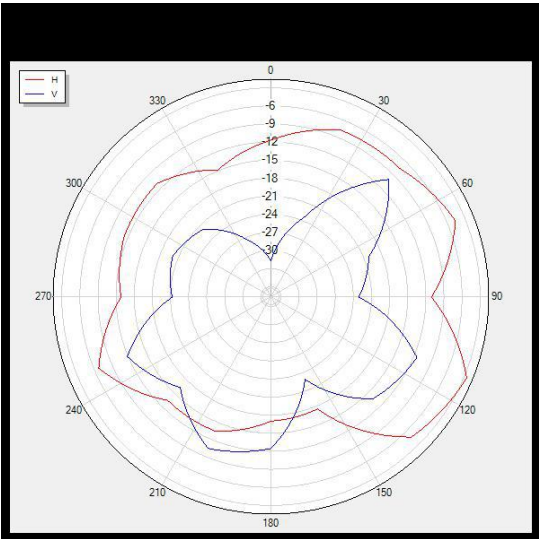
VSWR Measurement Results



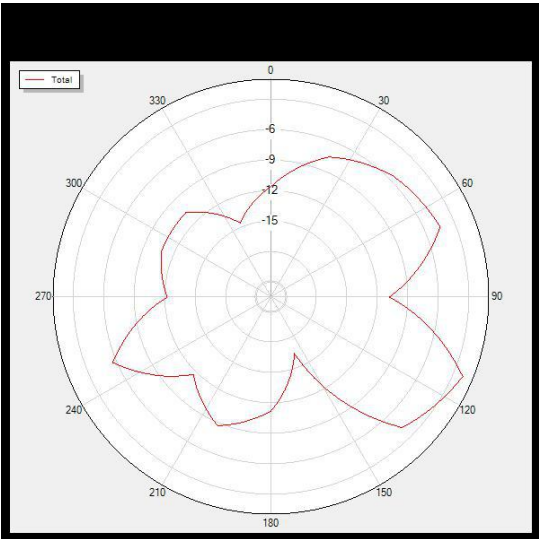
Detailed Measurement Data

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-7.32999	18.49273%	-1.20553
2410	-7.18542	19.11868%	-0.94505
2420	-7.12792	19.37348%	-0.73896
2430	-7.13559	19.33929%	-0.65863
2440	-6.91866	20.32985%	-0.34065
2450	-6.83394	20.73033%	-0.26785
2460	-6.73728	21.19688%	-0.19208
2470	-6.71746	21.29382%	-0.16145
2480	-6.65285	21.61299%	-0.17219
2490	-6.58922	21.93197%	-0.09976
2500	-6.48774	22.45049%	0.00327

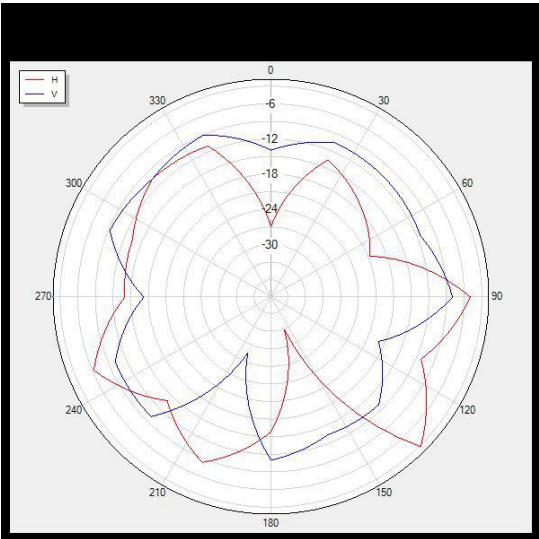
4. Radiation Patterns



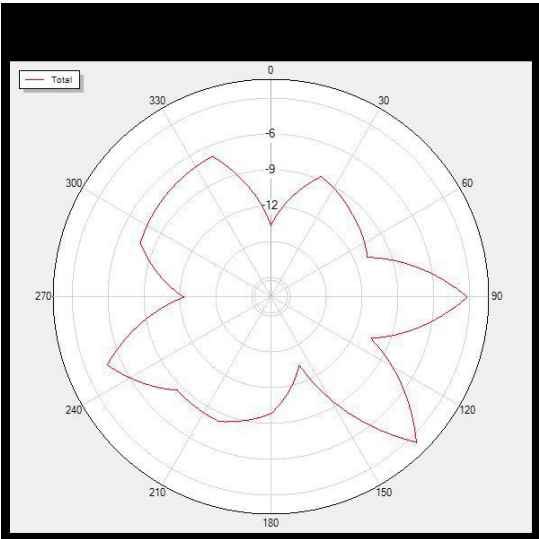
2400P0 Polar



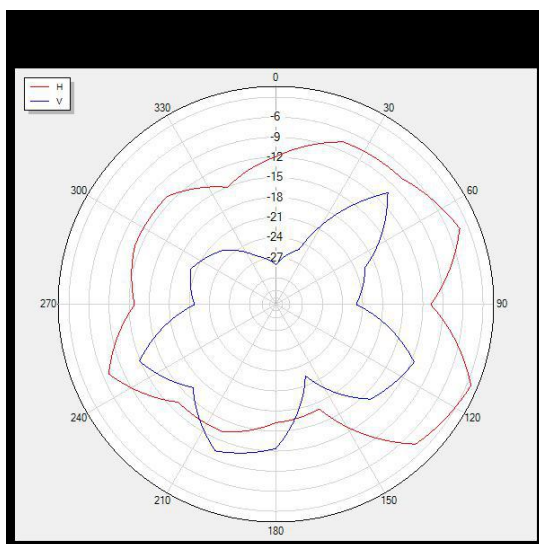
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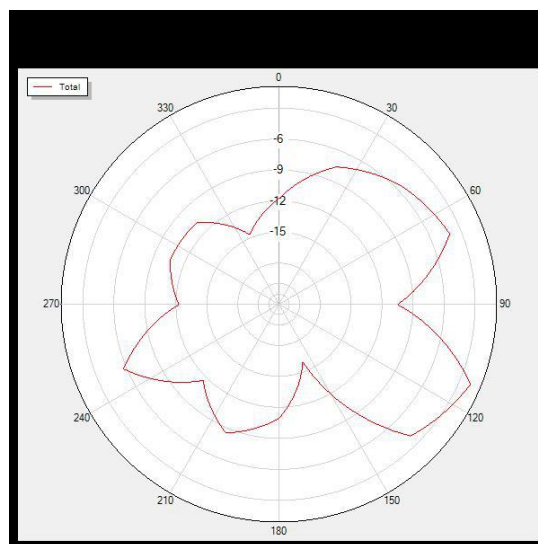
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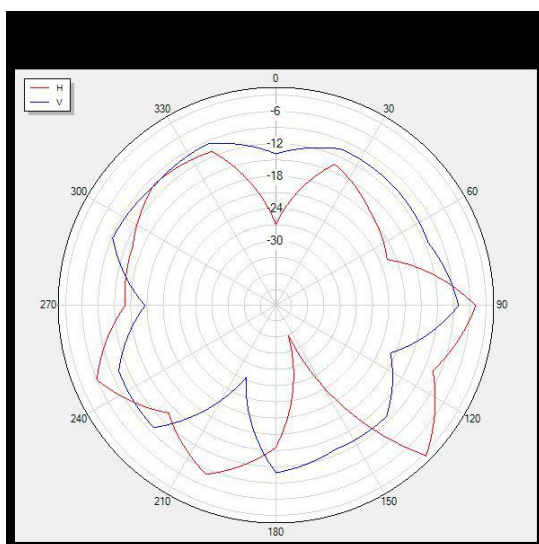
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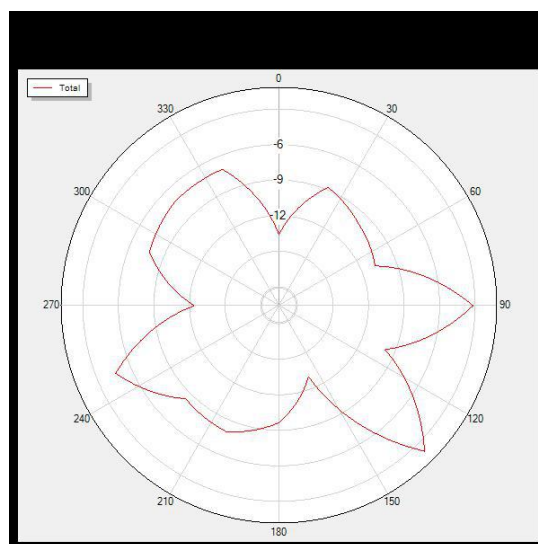
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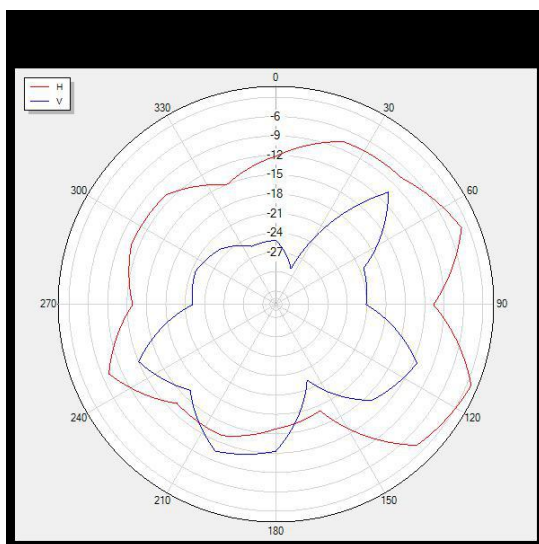
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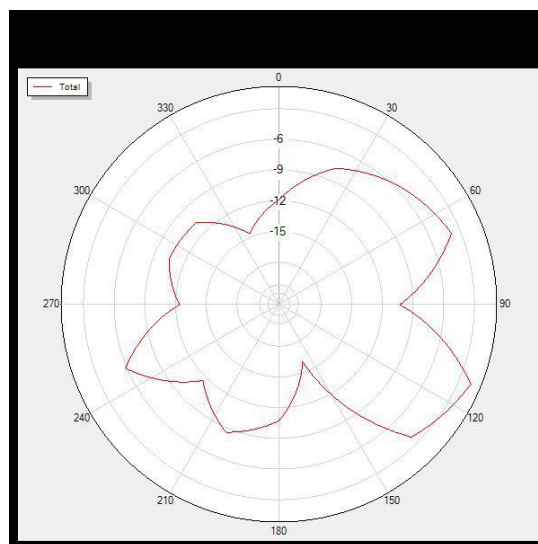
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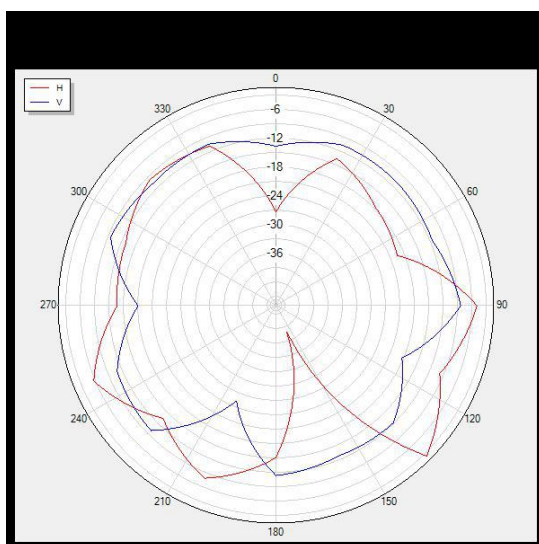
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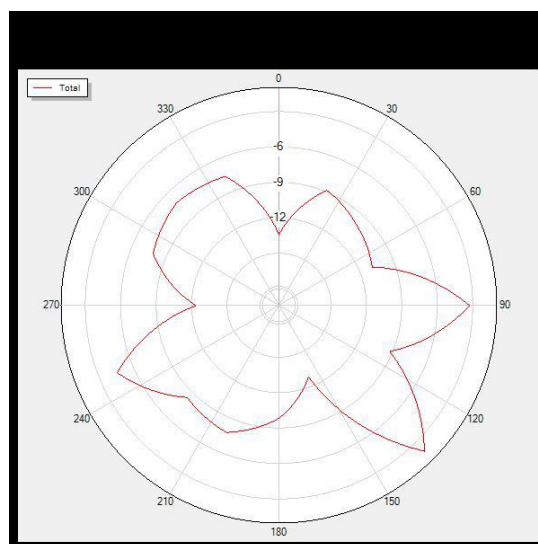
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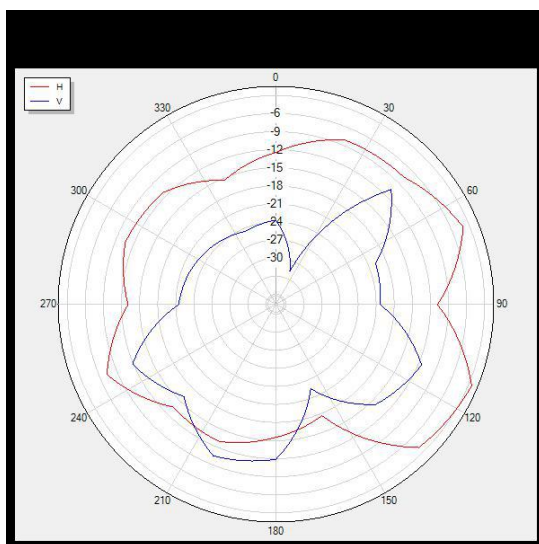
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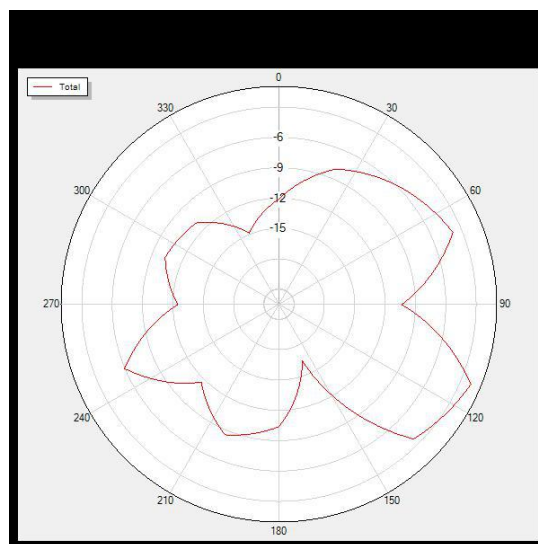
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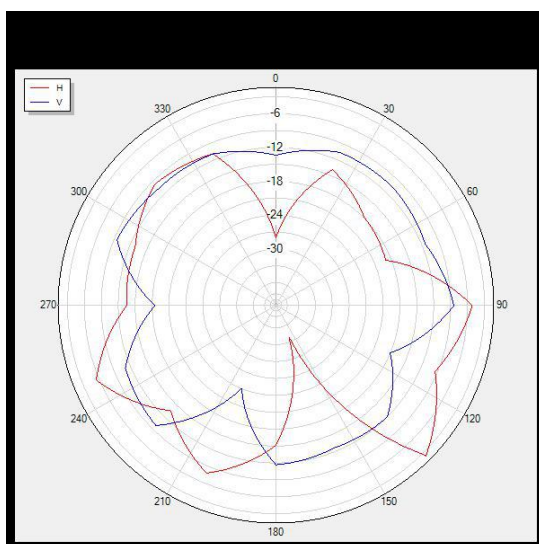
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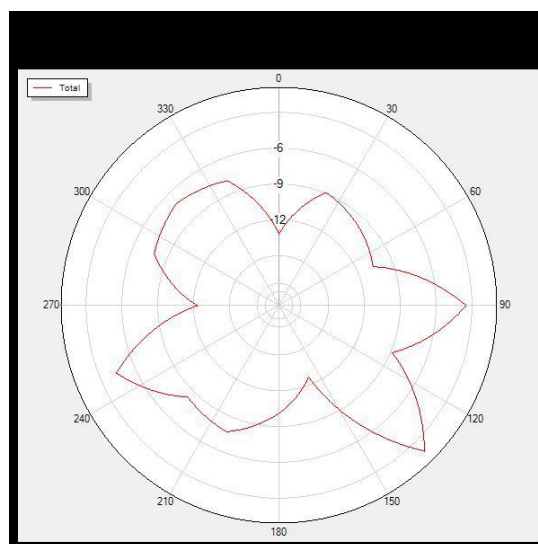
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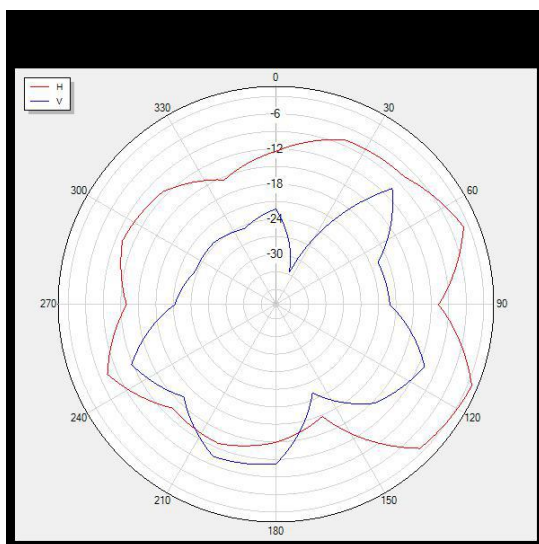
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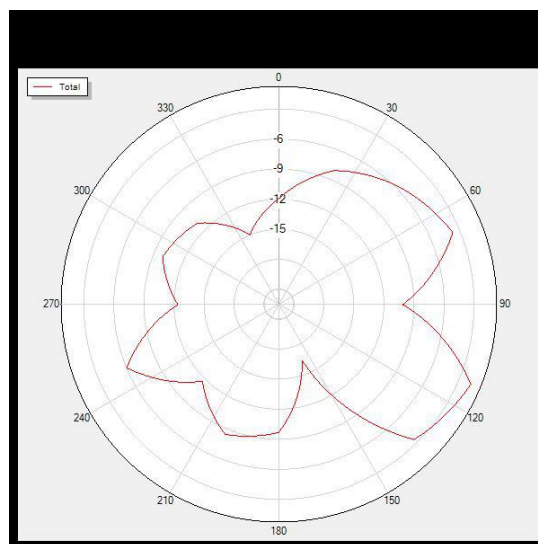
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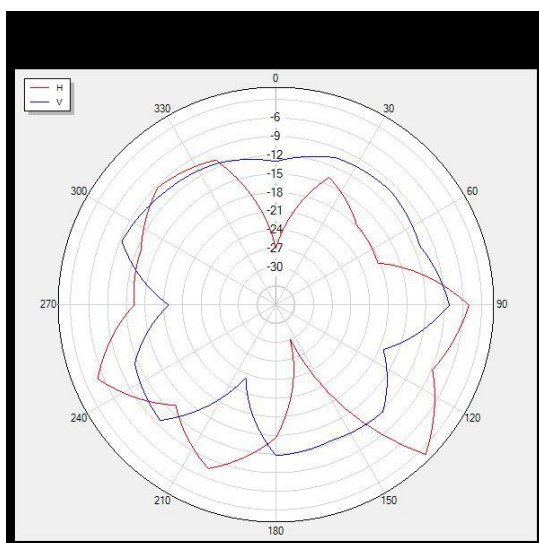
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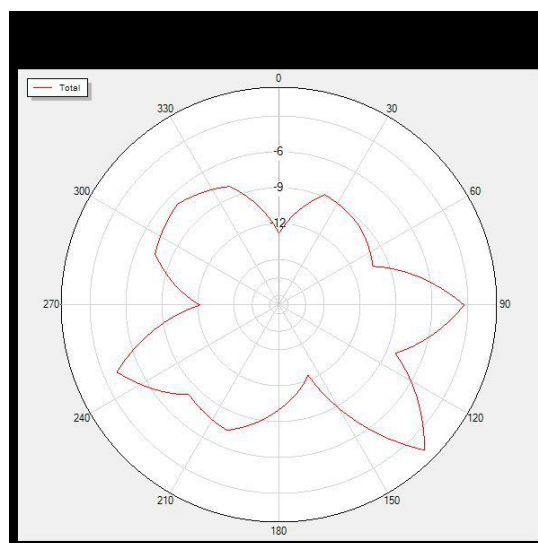
2440P0 Polar



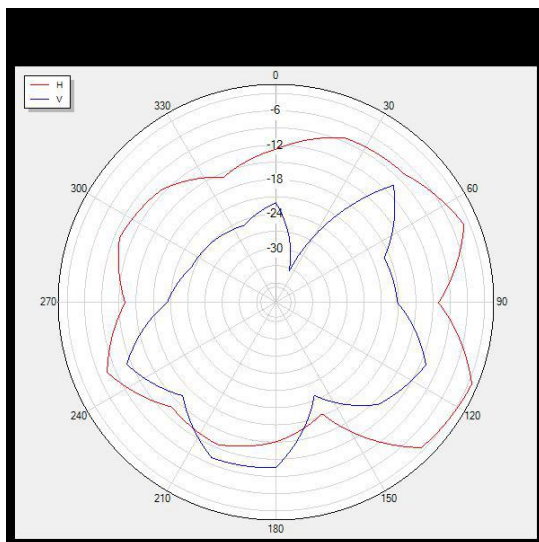
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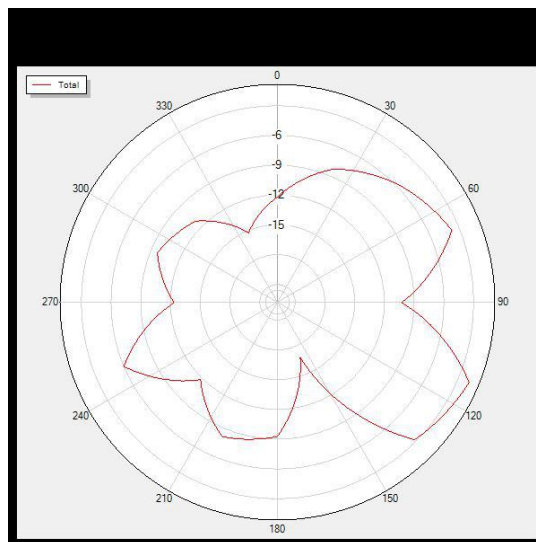
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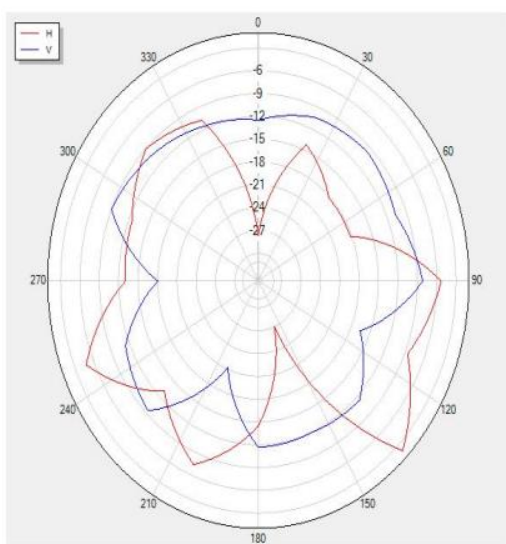
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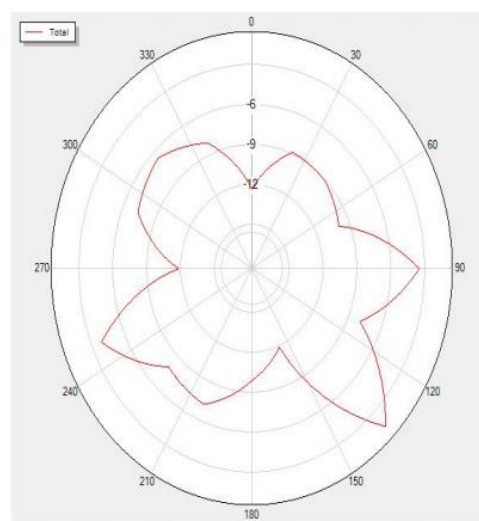
2450P0 Polar



2450P0 Total

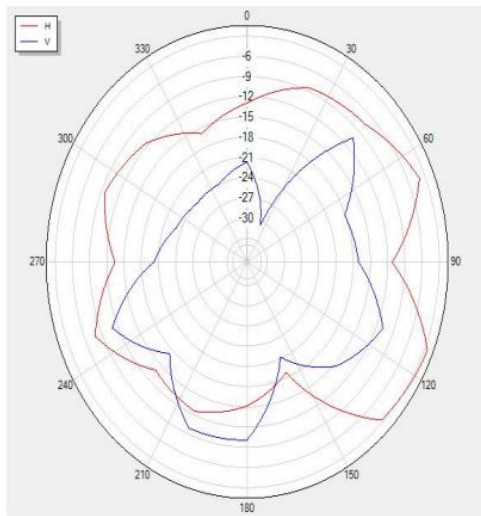


2450P90 Polar

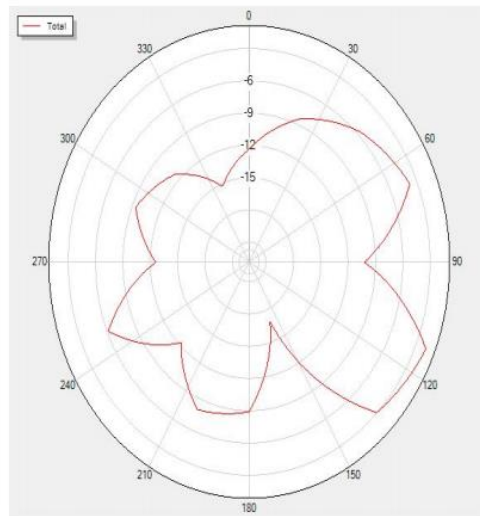


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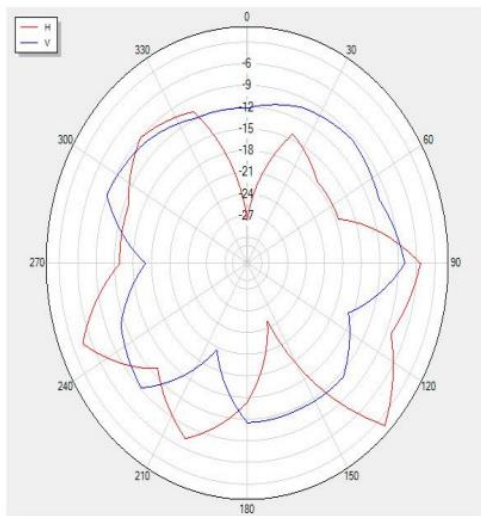
2460P0 Polar



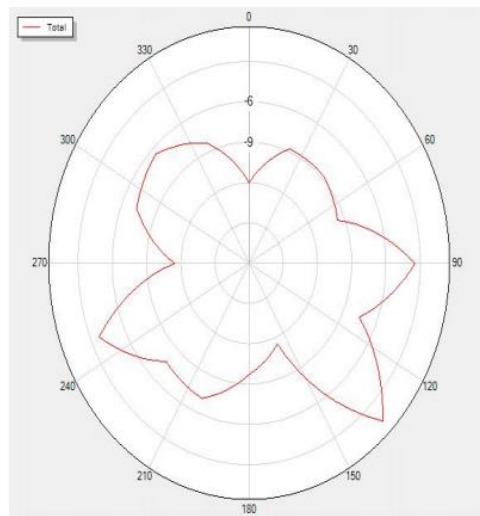
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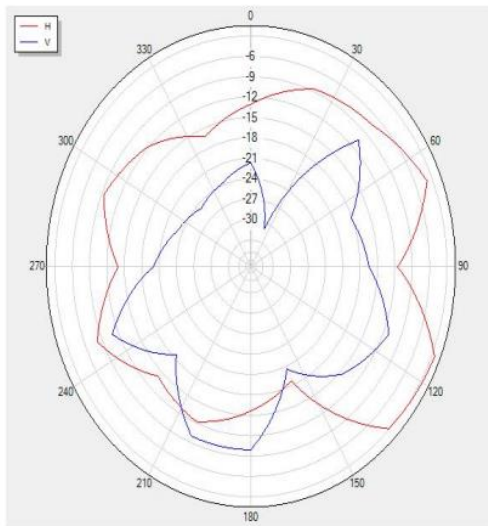
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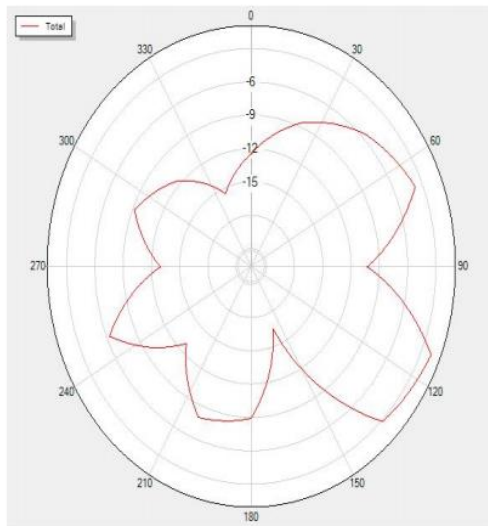
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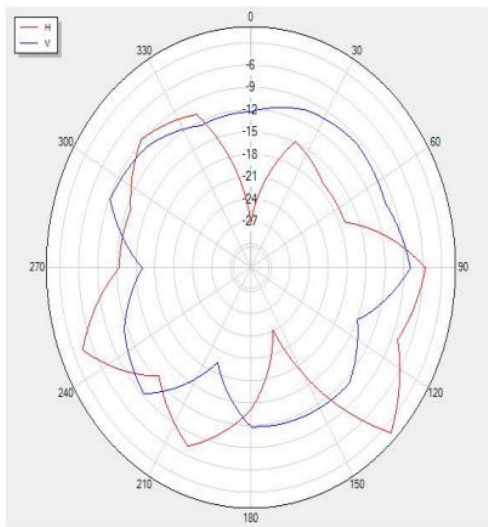
2470P0 Polar



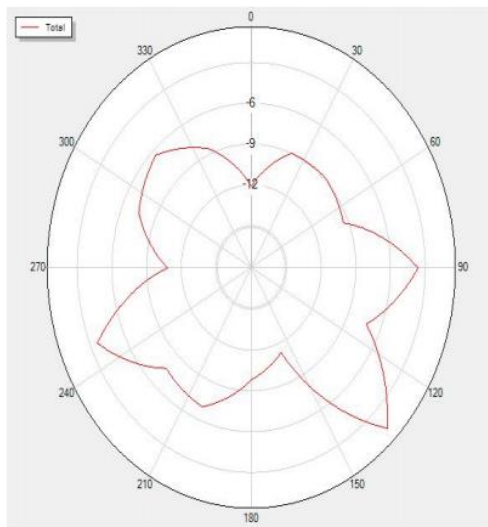
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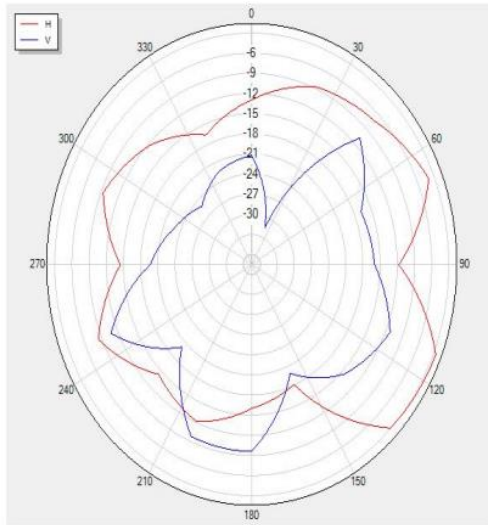
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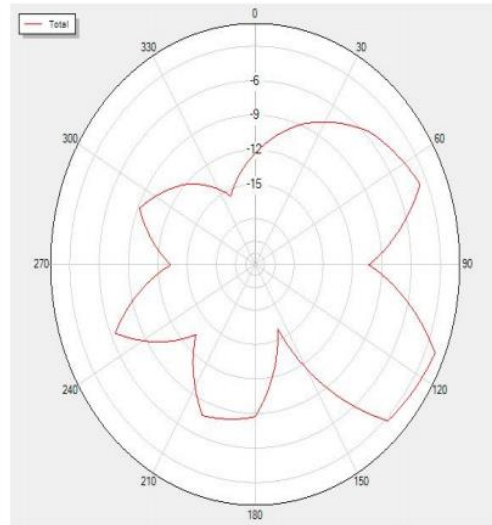
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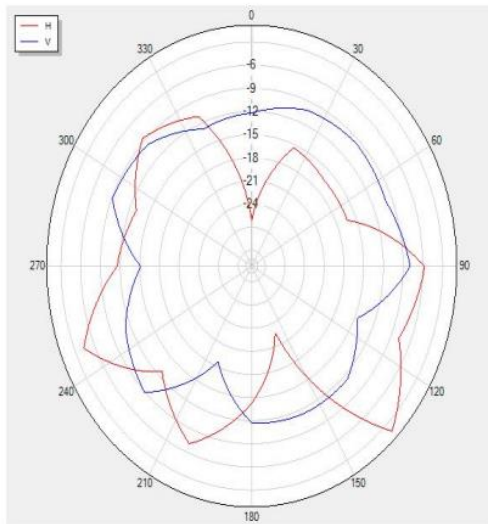
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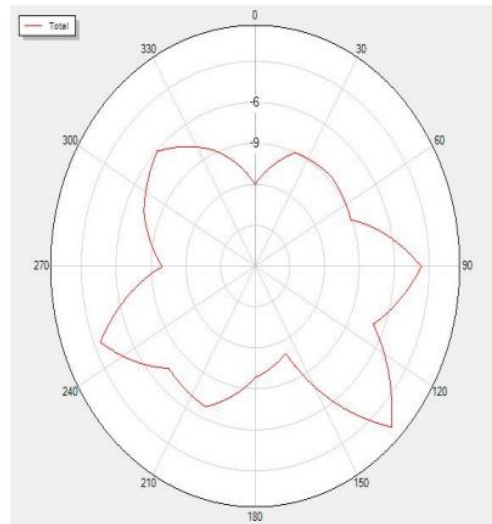
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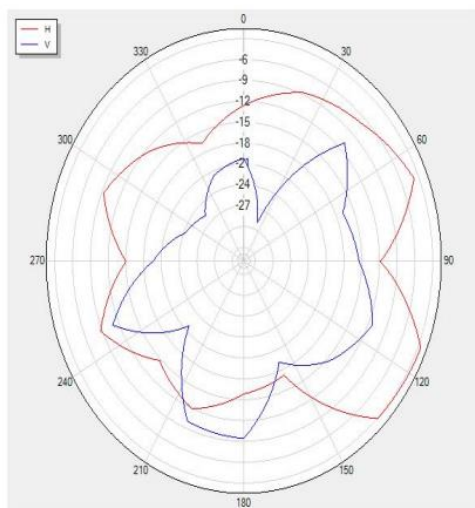
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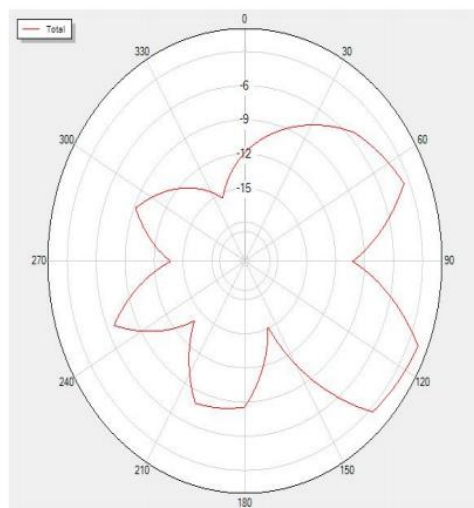
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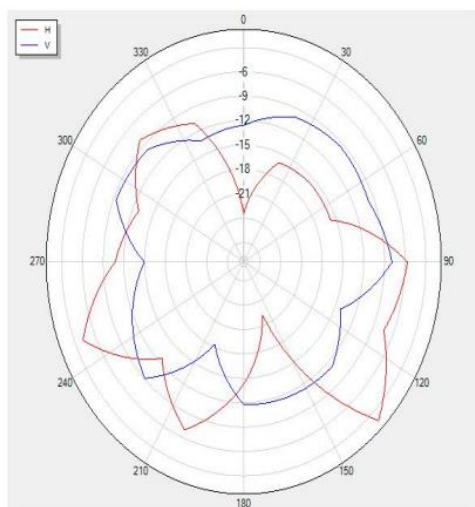
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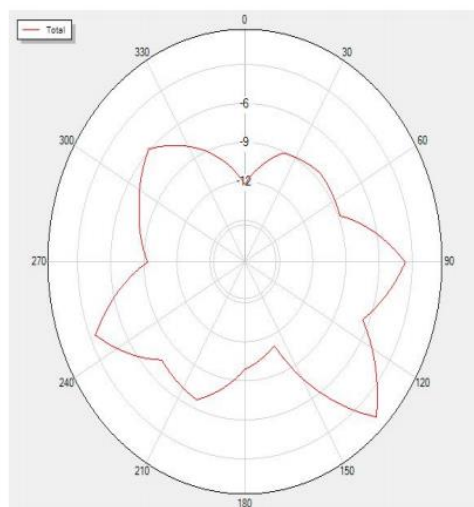
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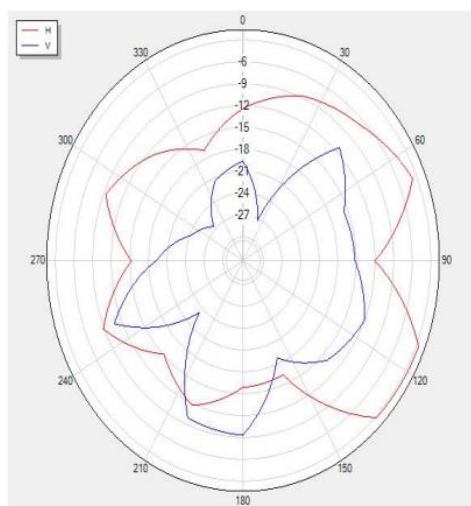
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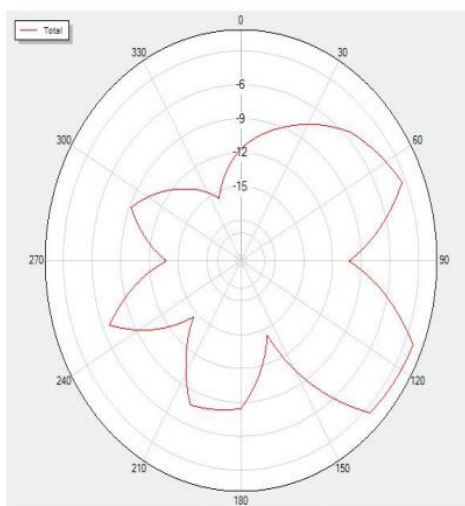
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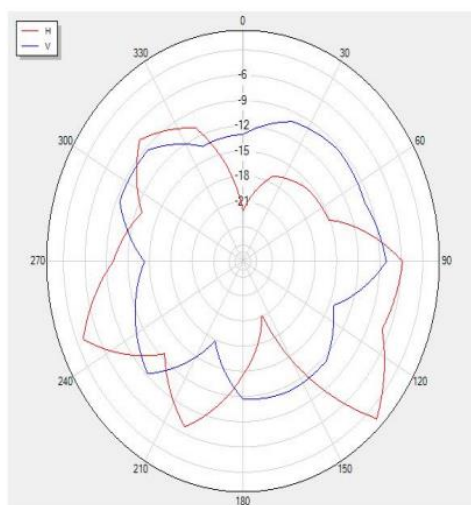
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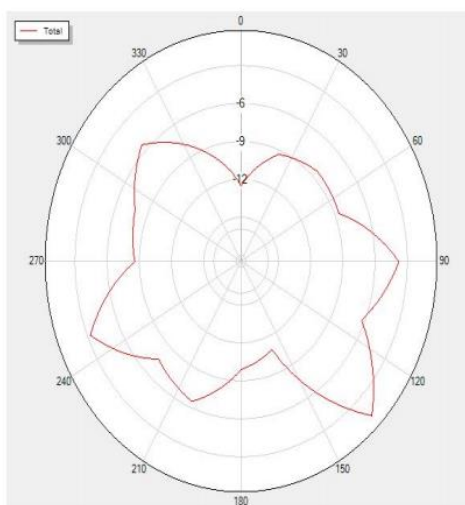
2500P0 Total



2500P90 Polar



2500P90 Total



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