

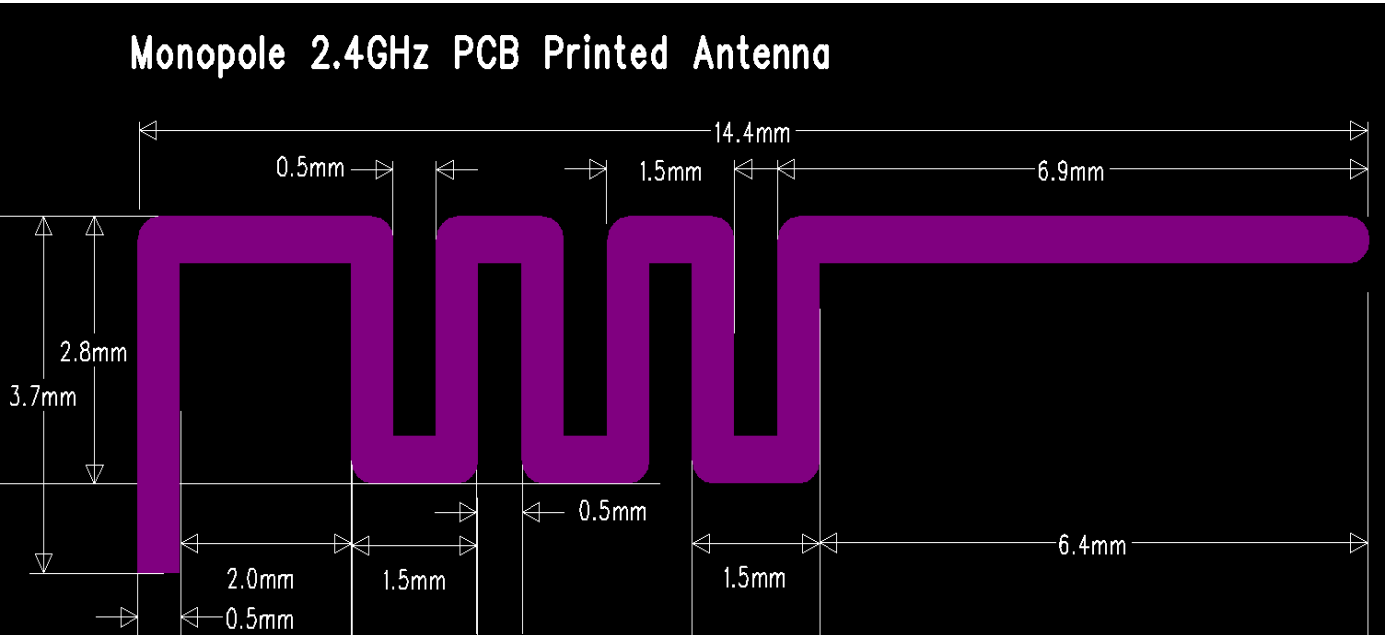
Antenna Specification

Specifications

Summary

ITEM	SPEC.	
Model Name	XAS1 2.4 GHz PCB	
Center Frequency	2402MHz	2.32 dBi
	2440MHz	2.51 dBi
	2480MHz	2.51 dBi
MAX. GAIN	2.51dBi	
Polarization	Horizontal	
Azimuth Beam Pattern	Omni-directional	
Impedance	50 Ω	

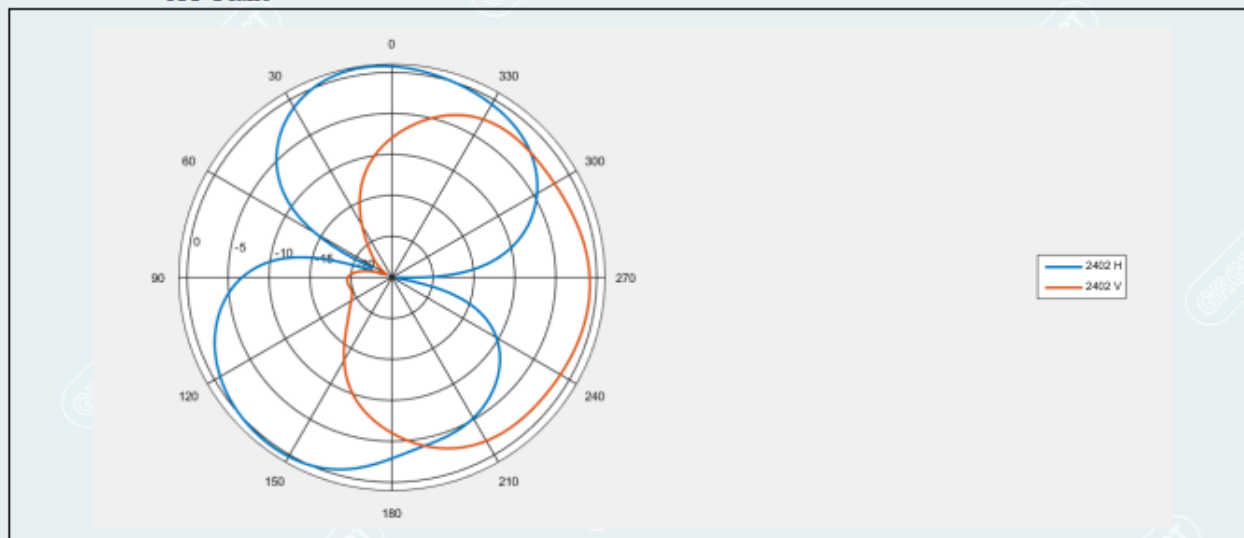
Antenna Photo & Length(mm)



1. Main Antenna

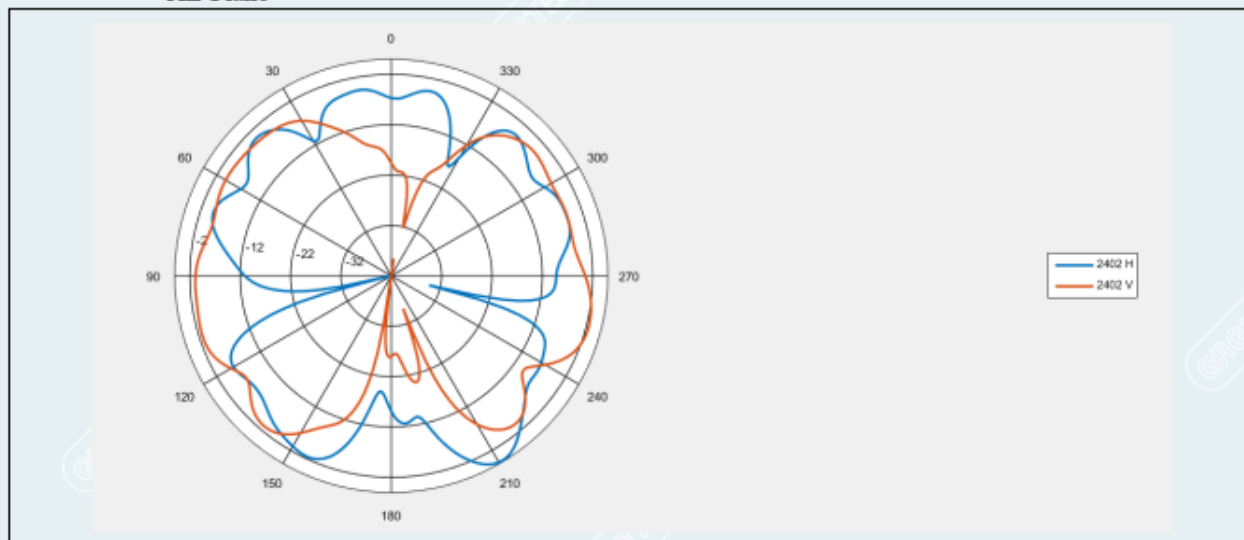
b) 2402MHz

XY-Plane



	Peak gain(dBi)	Avg gain(dBi)
H cut	-0.56	-5.18
V cut	2.42	-2.51
Total	2.32	-0.55

XZ-Plane



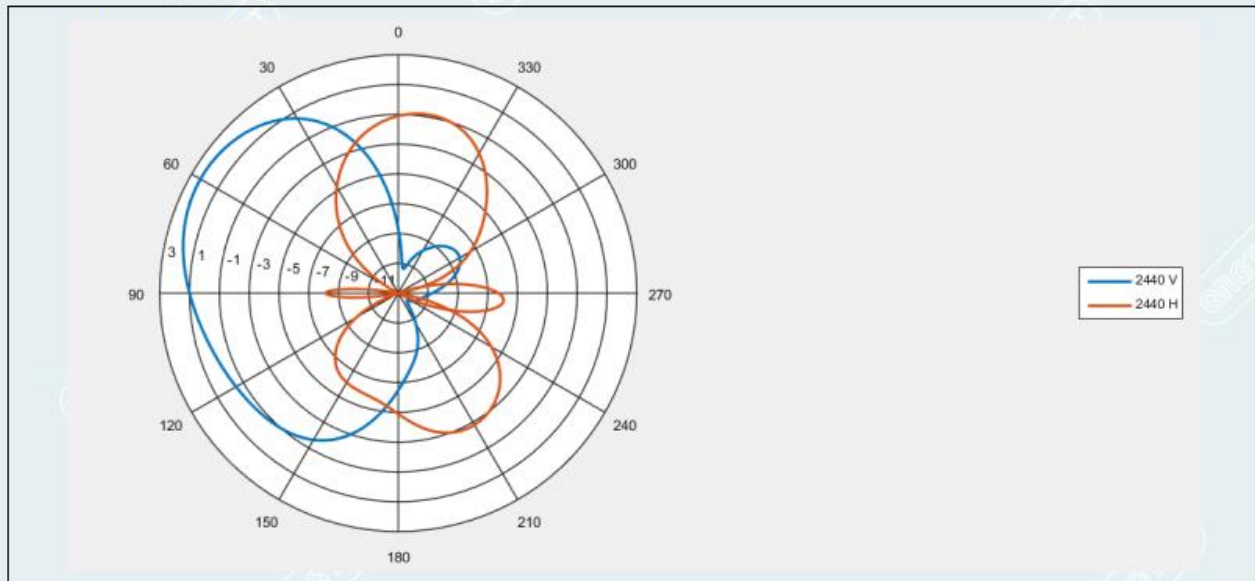
	Peak gain(dBi)	Avg gain(dBi)
H cut	-0.63	-5.04
V cut	2.51	-2.56
Total	2.32	-0.83

GRG METROLOGY & TEST GROUP CO., LTD.

Address: No.163,Pingyun Road, West of Huangpu Avenue, Guangzhou, Guangdong, China
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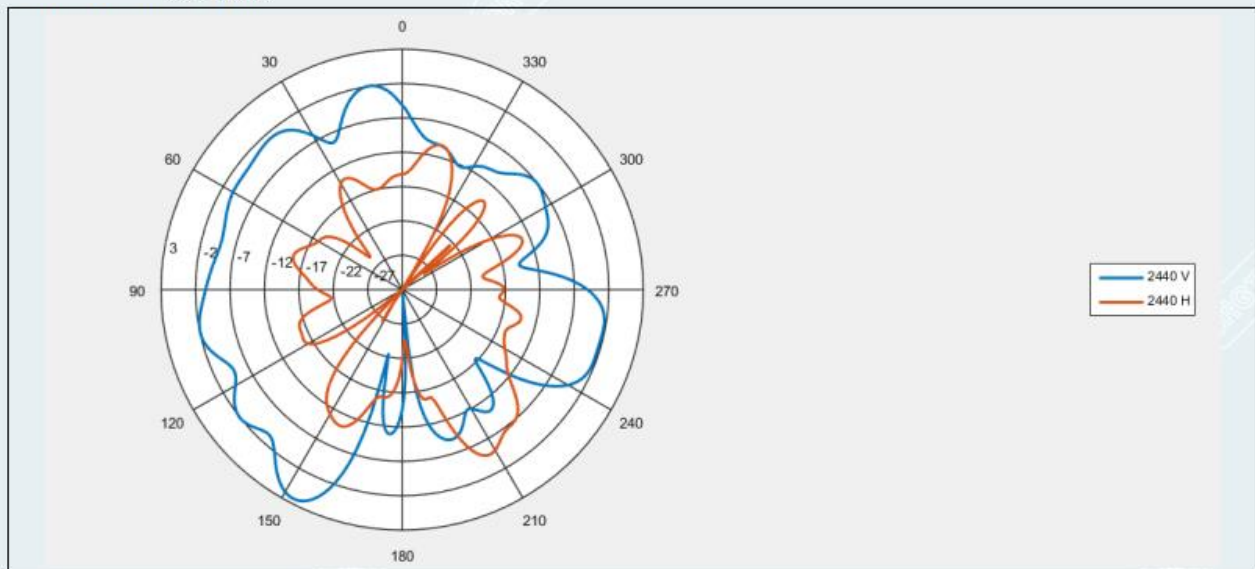
d) 2440MHz

XY-Plane



	Peak gain(dBi)	Avg gain(dBi)
H cut	-1.07	-5.34
V cut	2.33	-2.71
Total	2.51	-0.82

XZ-Plane



	Peak gain(dBi)	Avg gain(dBi)
H cut	-5.0	-16.46
V cut	2.30	-6.88
Total	2.51	-5.67

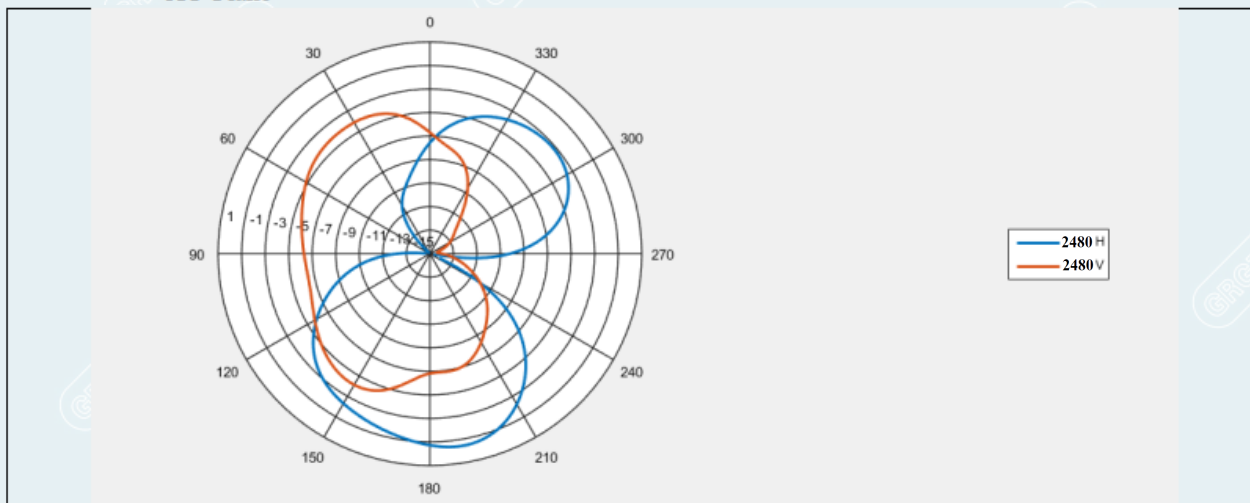
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3. Main Antenna Channel : 2480 MHz

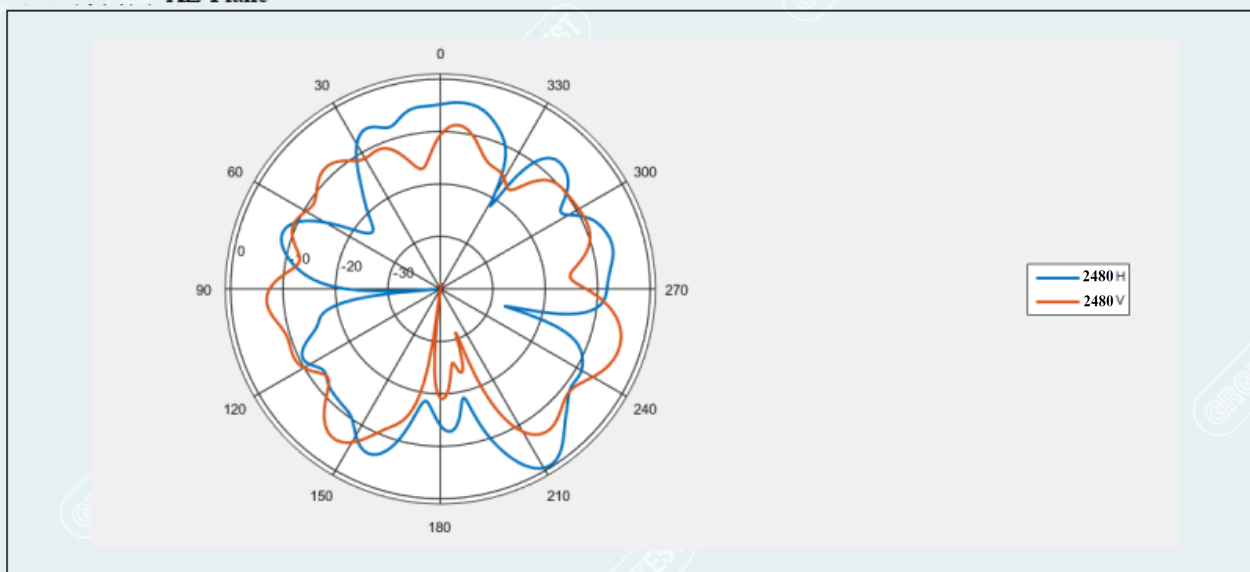
e) 2480MHz

XY-Plane



	Peak gain(dBi)	Avg gain(dBi)
H cut	-1.07	-5.34
V cut	2.33	-2.71
Total	2.51	-0.82

XZ-Plane



	Peak gain(dBi)	Avg gain(dBi)
H cut	-0.44	-5.24
V cut	-4.09	-11.51
Total	0.44	-6.96

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