



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

MOKO TECHNOLOGY LTD

TLM beacon Antenna Test Report

Tester : Yang Shihai
Approval : Liu Feng
Date : 2023 / 03 / 23



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1. Device Profile

2. BT Antenna Test

Antenna: integrated PCB antenna

Frequency: 2.4GHz



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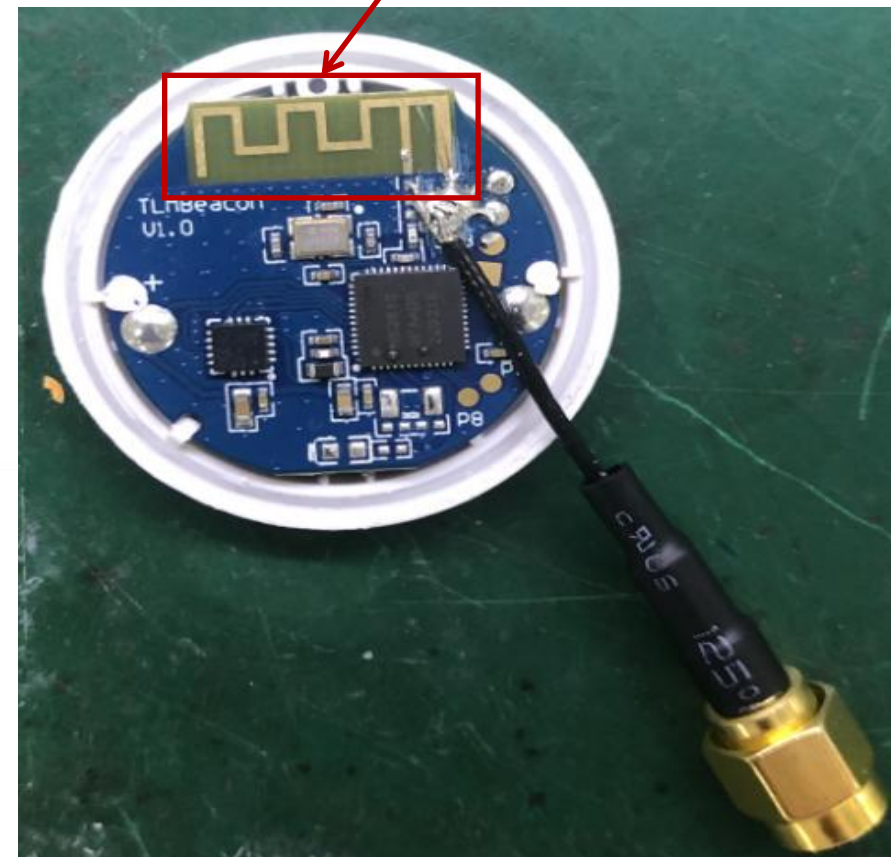
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1. Device Profile

Device



BT Antenna



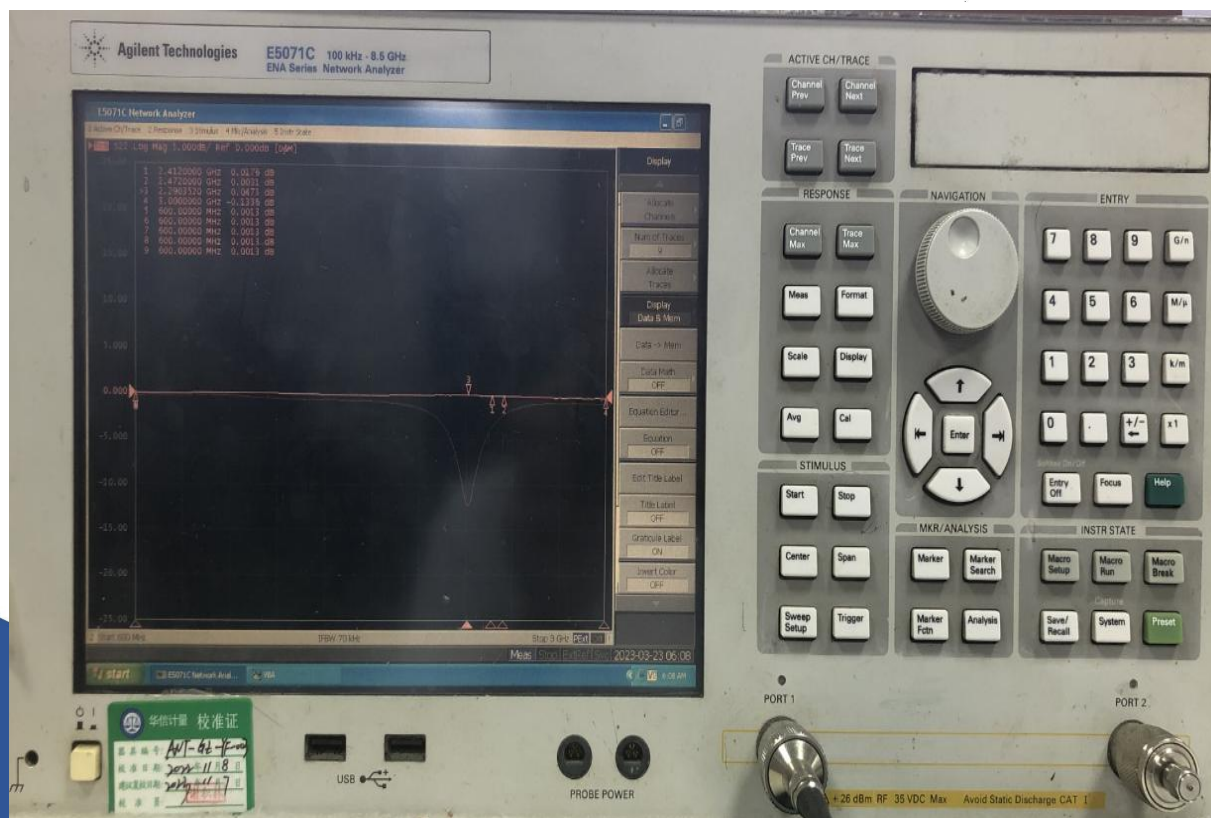


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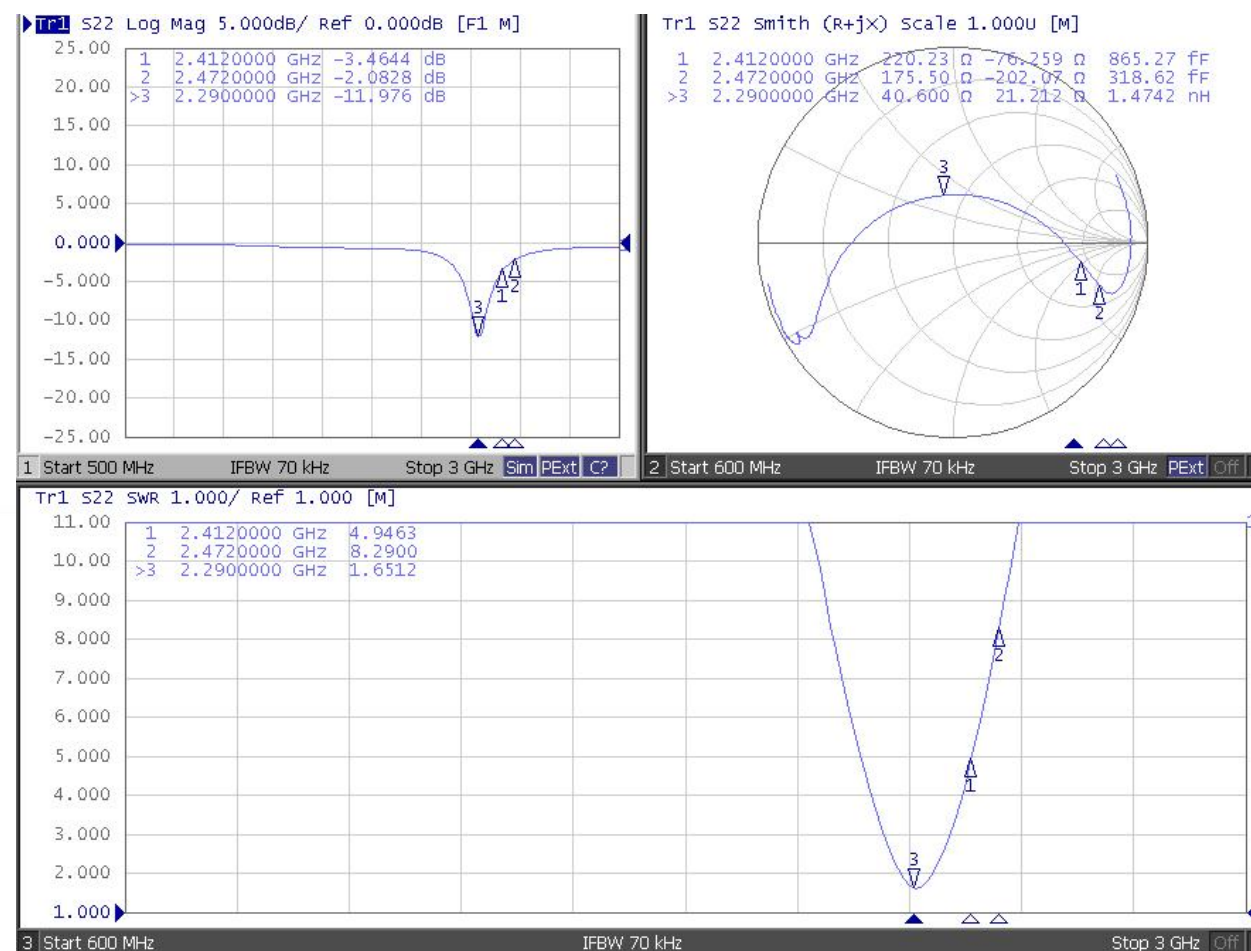
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2. BT Antenna Test

Agilent E5071C



S-Parameter Test - BT

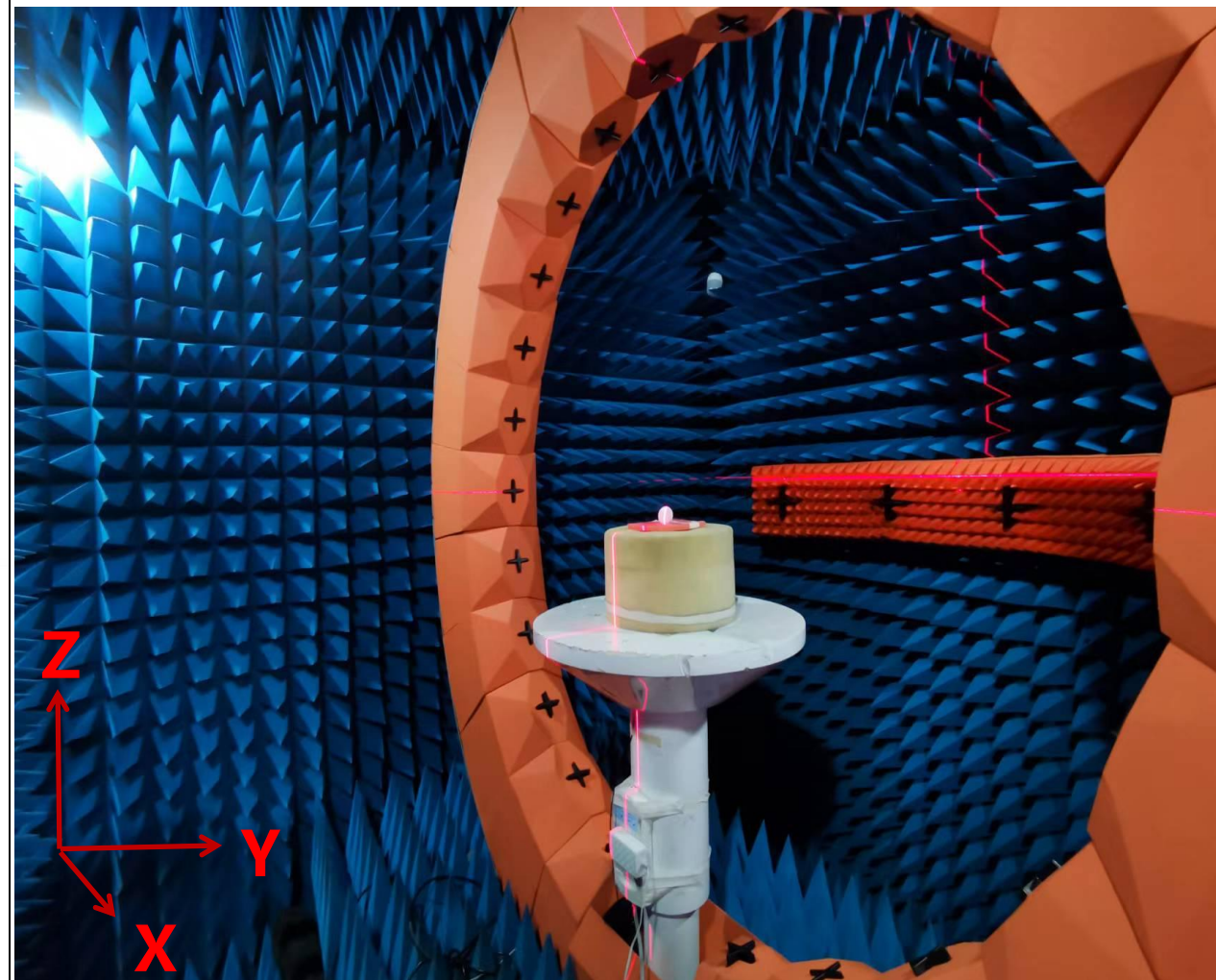
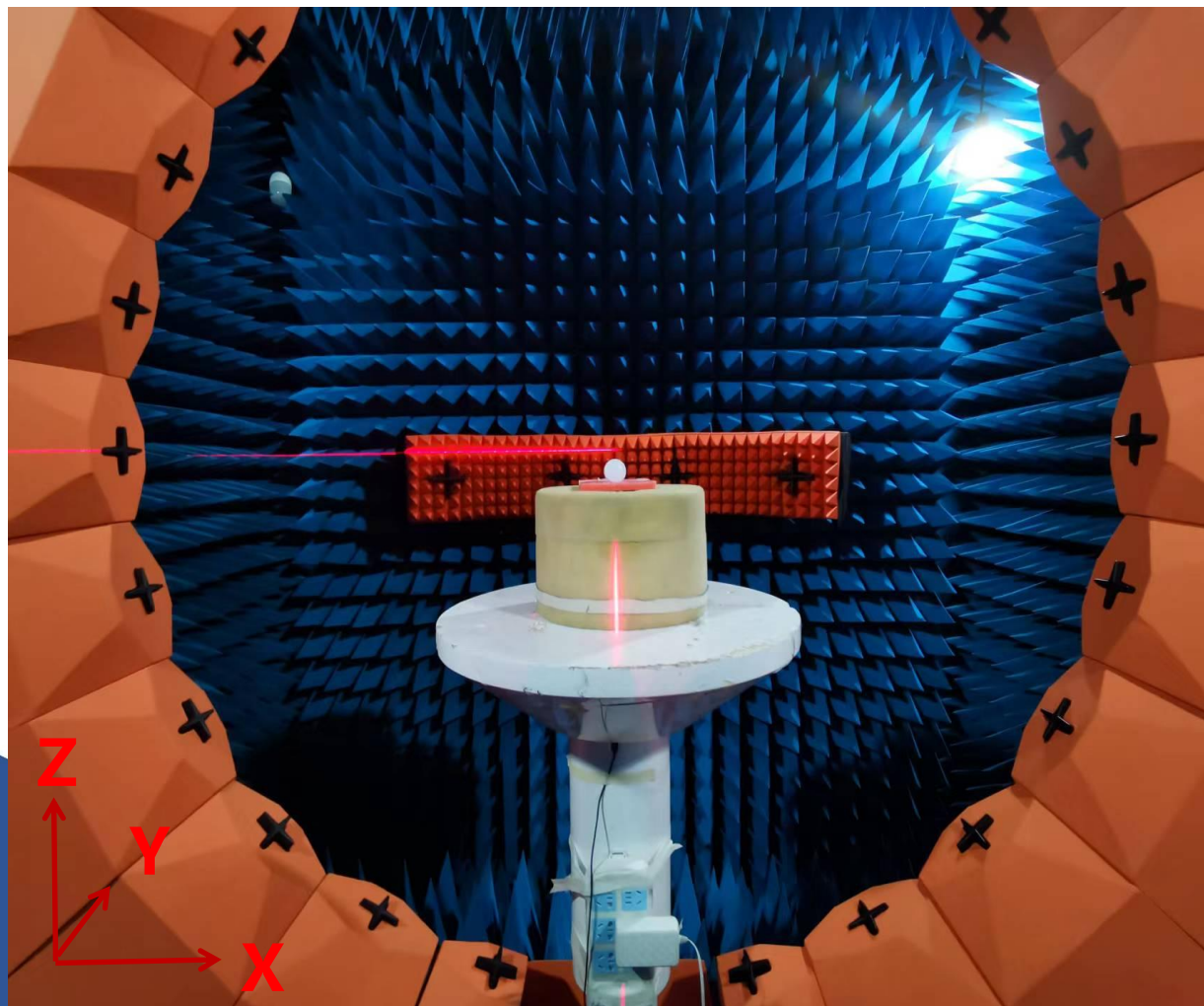




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Antenna Passive Test





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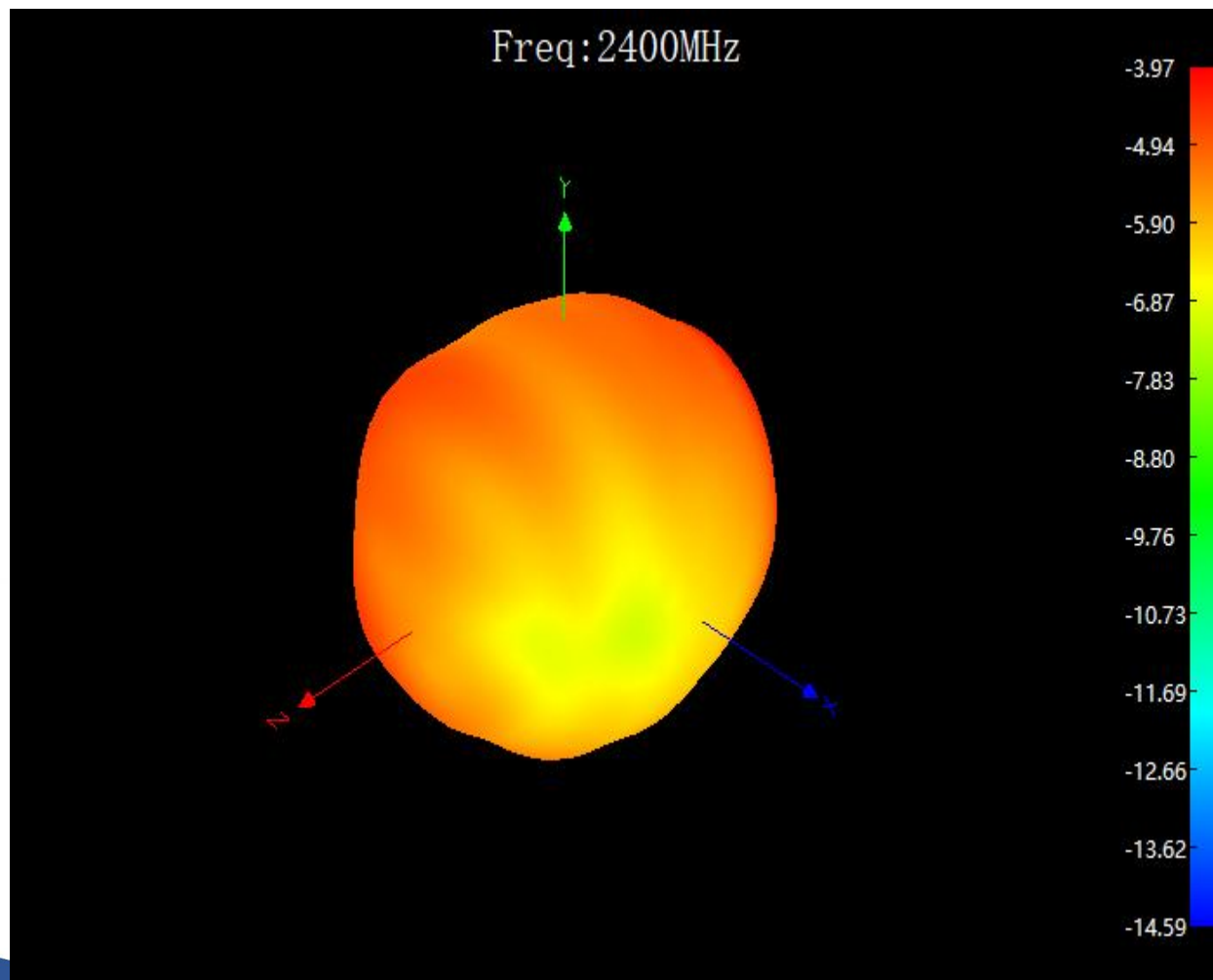
Passive Test For BT			
Frequency/Mhz	Efficiency/%	Efficiency/dB	MaxGain/dBi
2400	13.27	-8.77	-3.97
2410	12.76	-8.94	-4.51
2420	12.25	-9.12	-4.36
2430	12.53	-9.02	-4.59
2440	12.59	-9	-4.5
2450	10.74	-9.69	-5.3
2460	10	-10	-6
2470	9.73	-10.12	-5.52
2480	9.31	-10.31	-6.69
2490	7.24	-11.4	-6.79
2500	7.71	-11.13	-7.62



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3D-Etotal (2400Mhz)



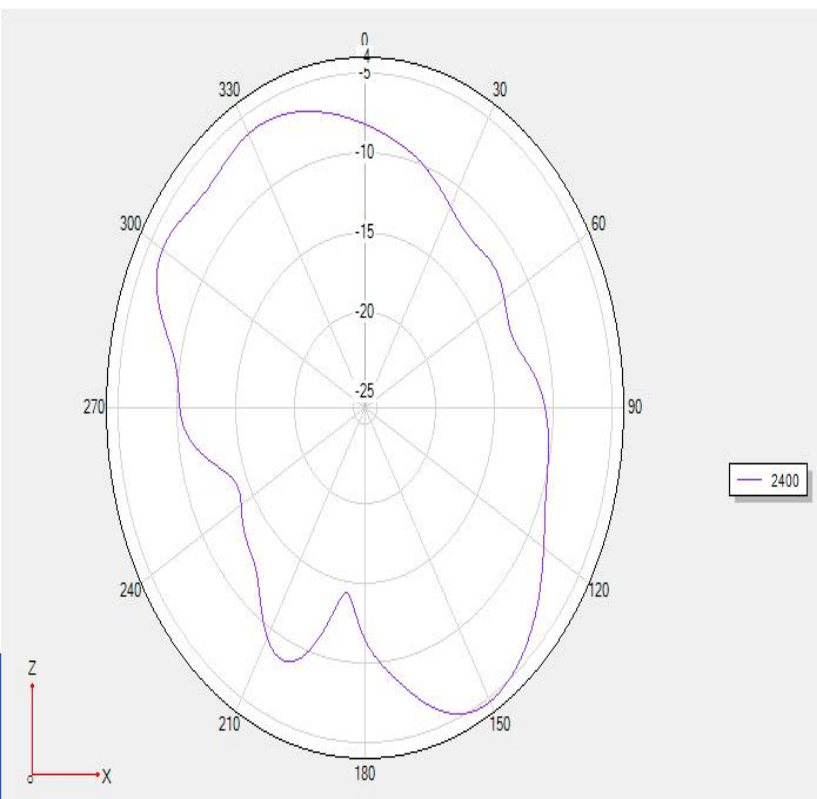


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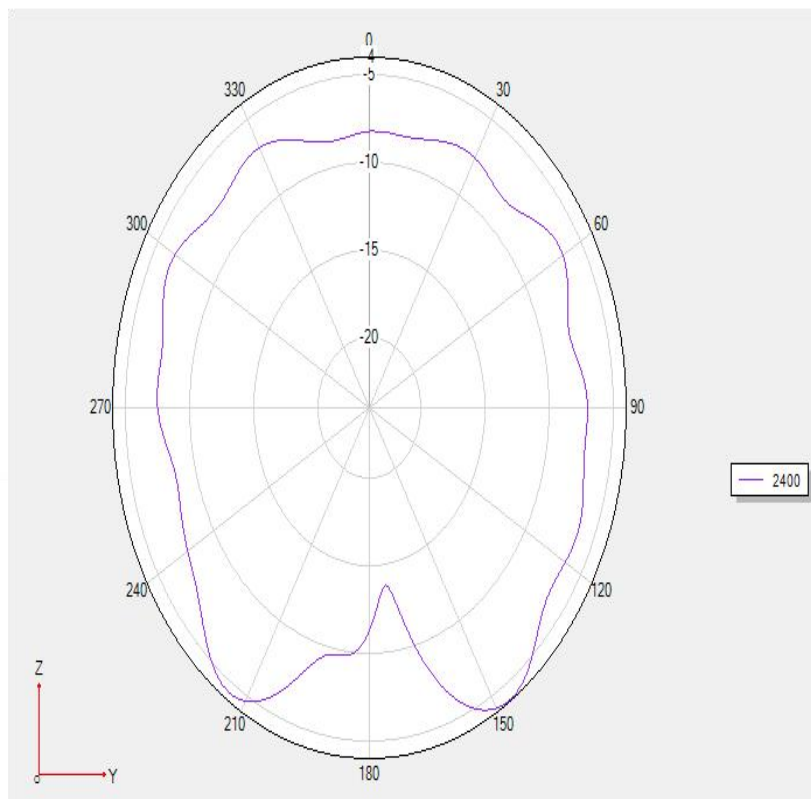
ANT Communication Technology (Shenzhen) Co., LTD.

2D-Etotal (2400Mhz)

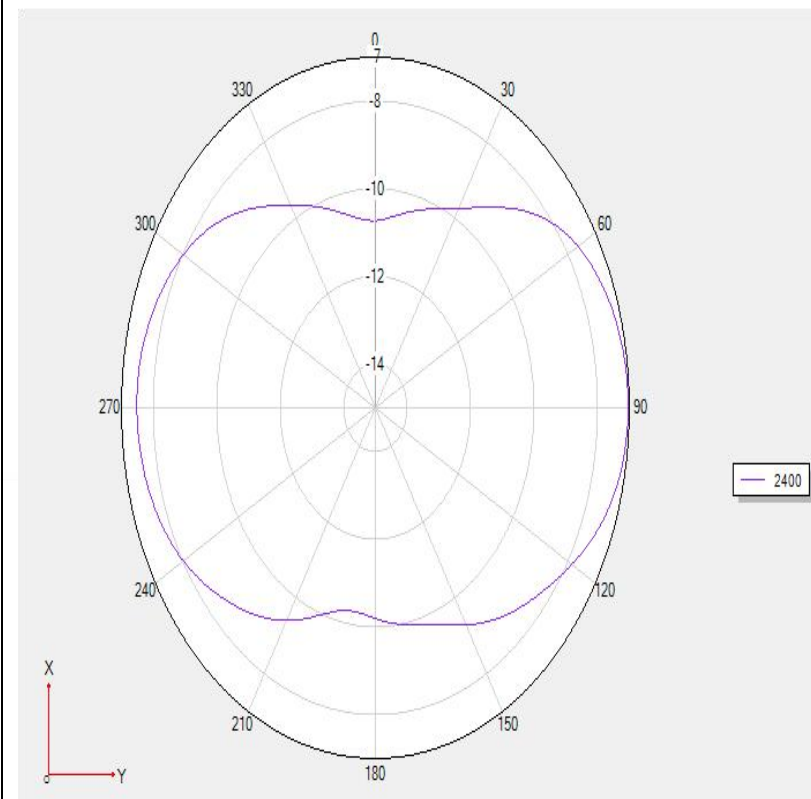
Phi 0 2D



Phi 90 2D



Theta 90 2D

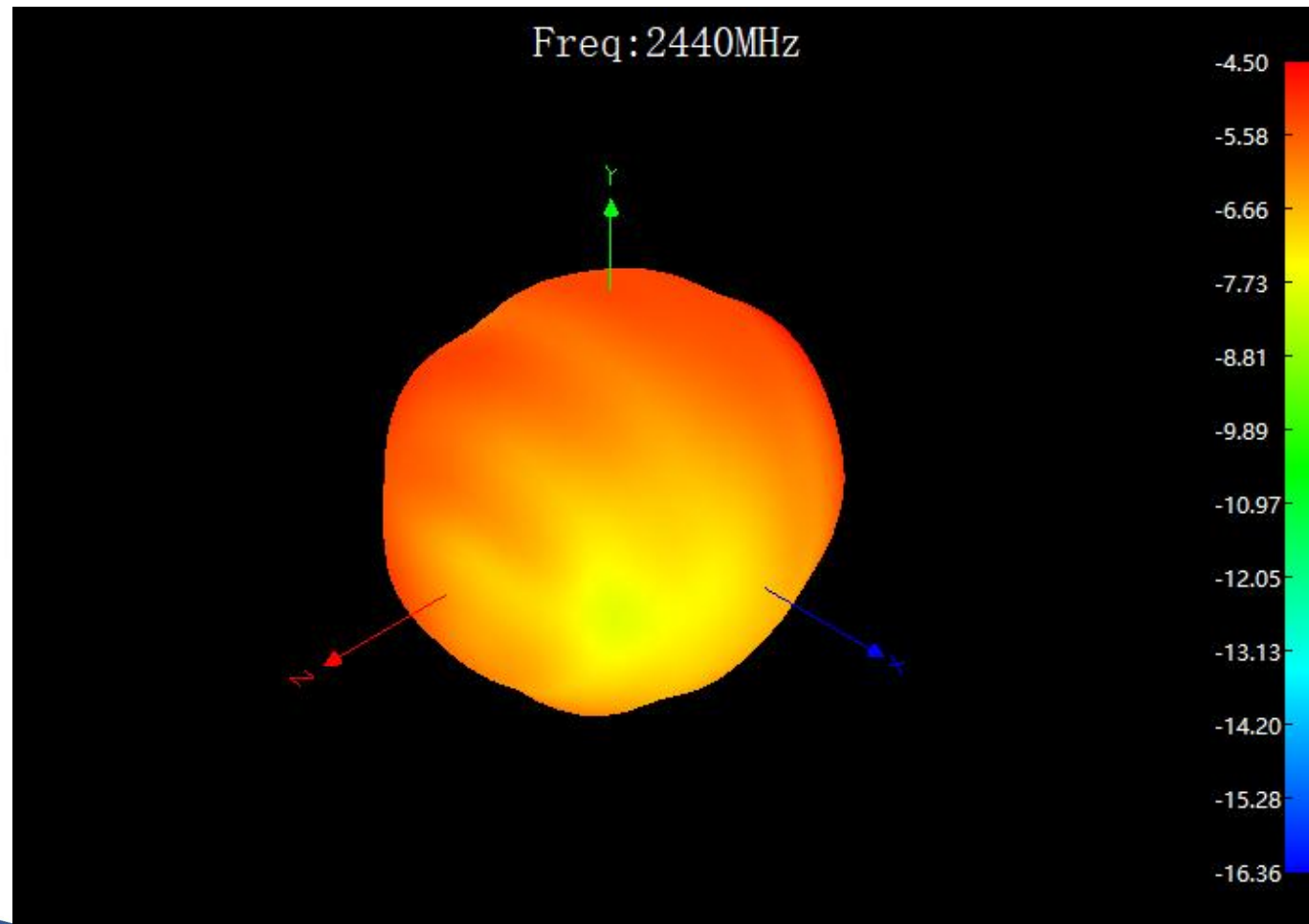




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3D-Etotal (2440Mhz)





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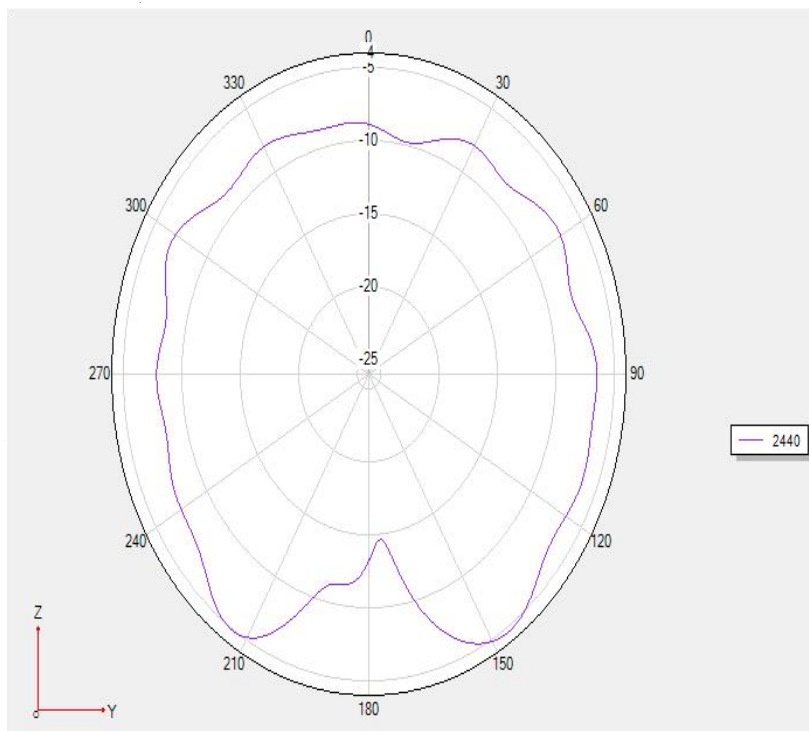
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2D-Etotal (2440Mhz)

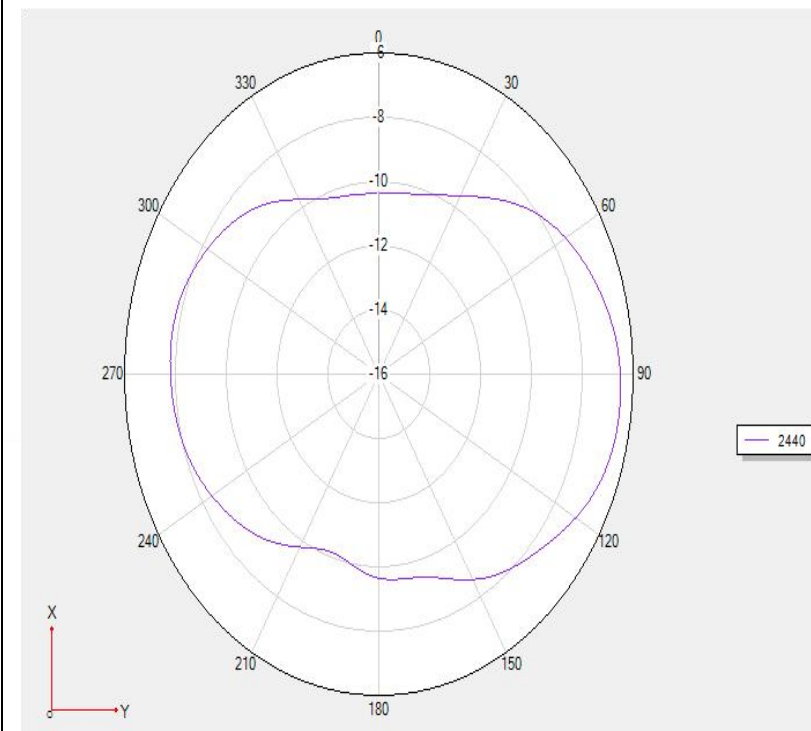
Phi 0 2D



Phi 90 2D



Theta 90 2D

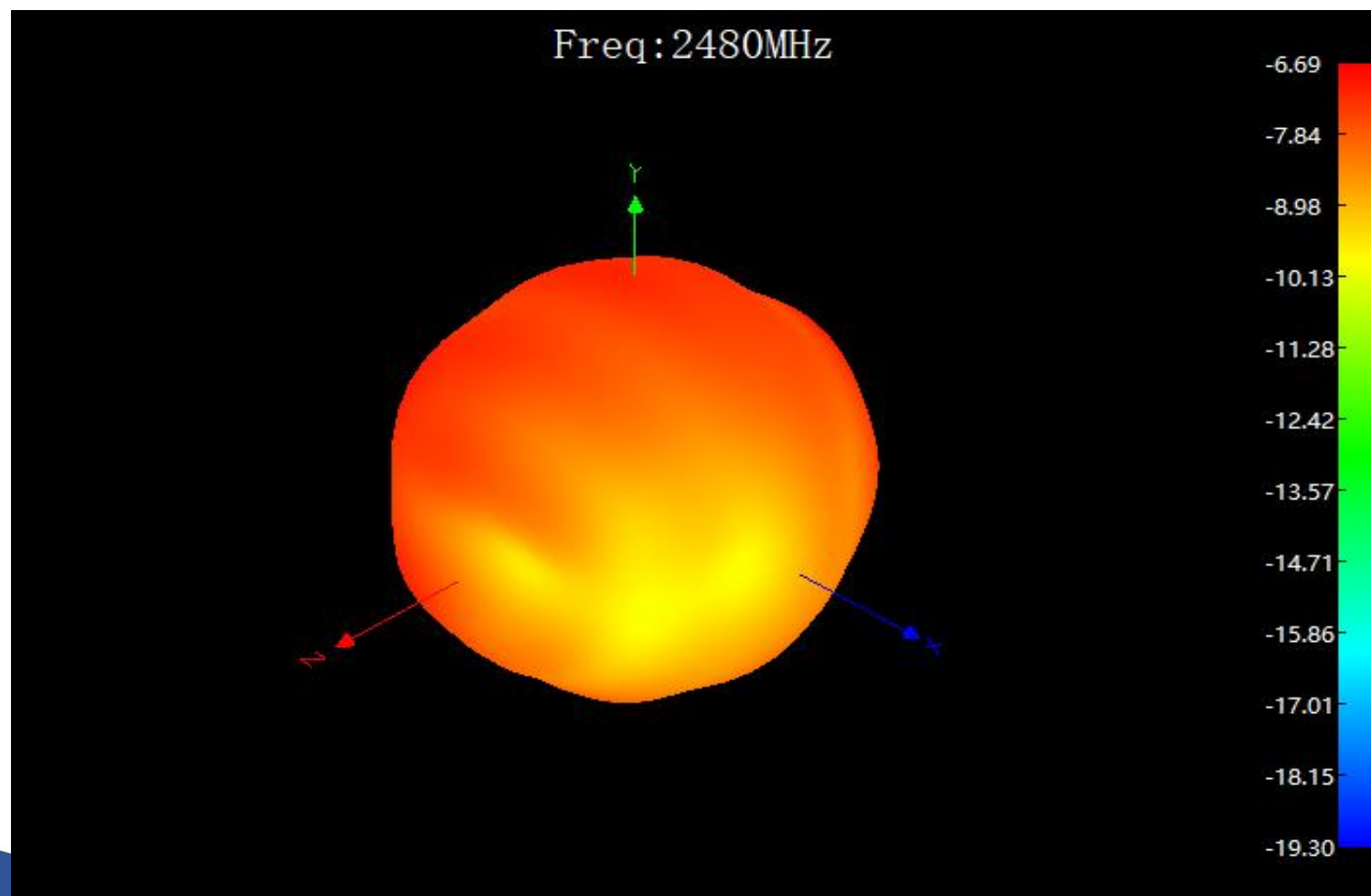




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3D-Etotal (2480Mhz)



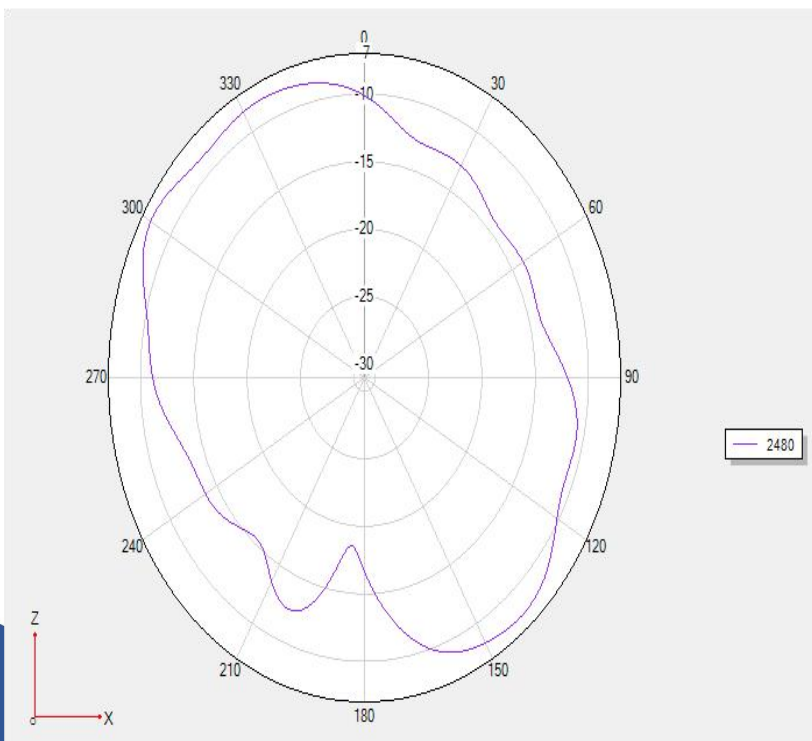


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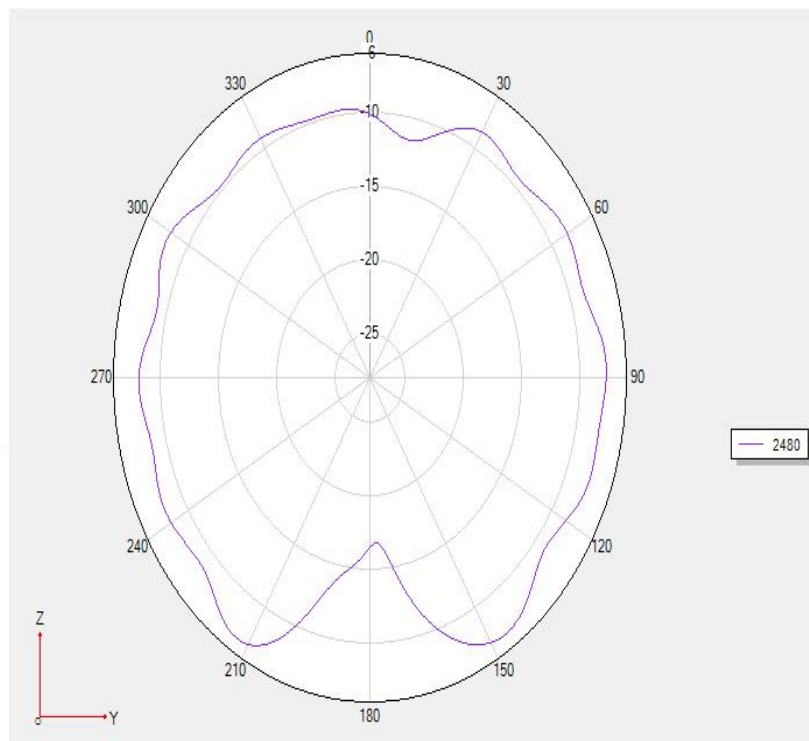
ANT Communication Technology (Shenzhen) Co., LTD.

2D-Etotal (2480Mhz)

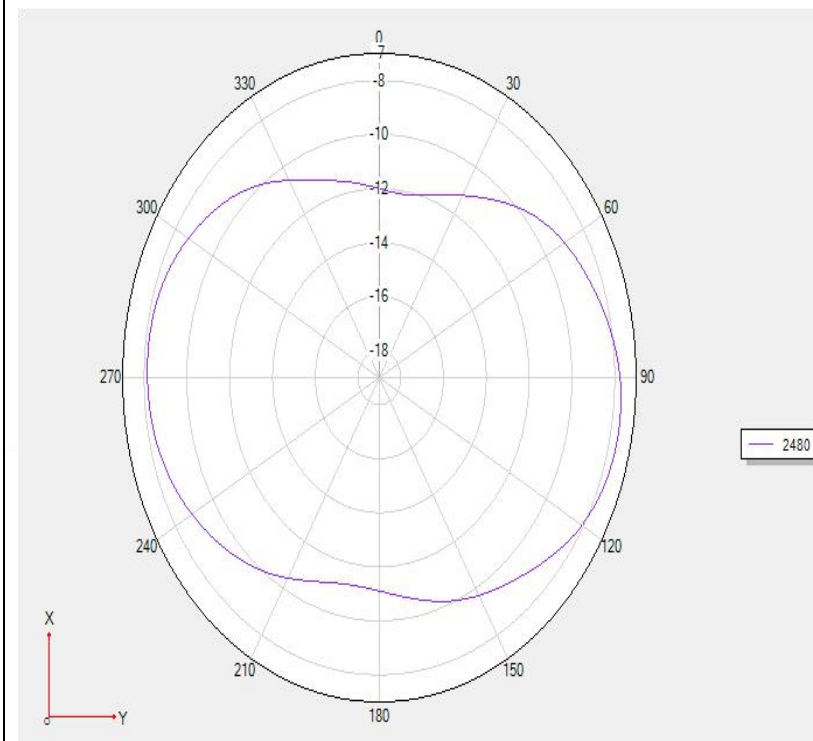
Phi 0 2D



Phi 90 2D



Theta 90 2D





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THANK YOU!