



深圳市安特通讯科技有限公司

ANT Communication Technology (Shenzhen) Co., LTD.

Antenna Test Report

Tester : Li Yu

Approval : Liu Feng

**Company Address: 701, Building A, NO.10 Jiangfu Road, xinzhuang
Community, Matian street, Guangming District, Shenzhen**

Date : 2023 / 09 / 22



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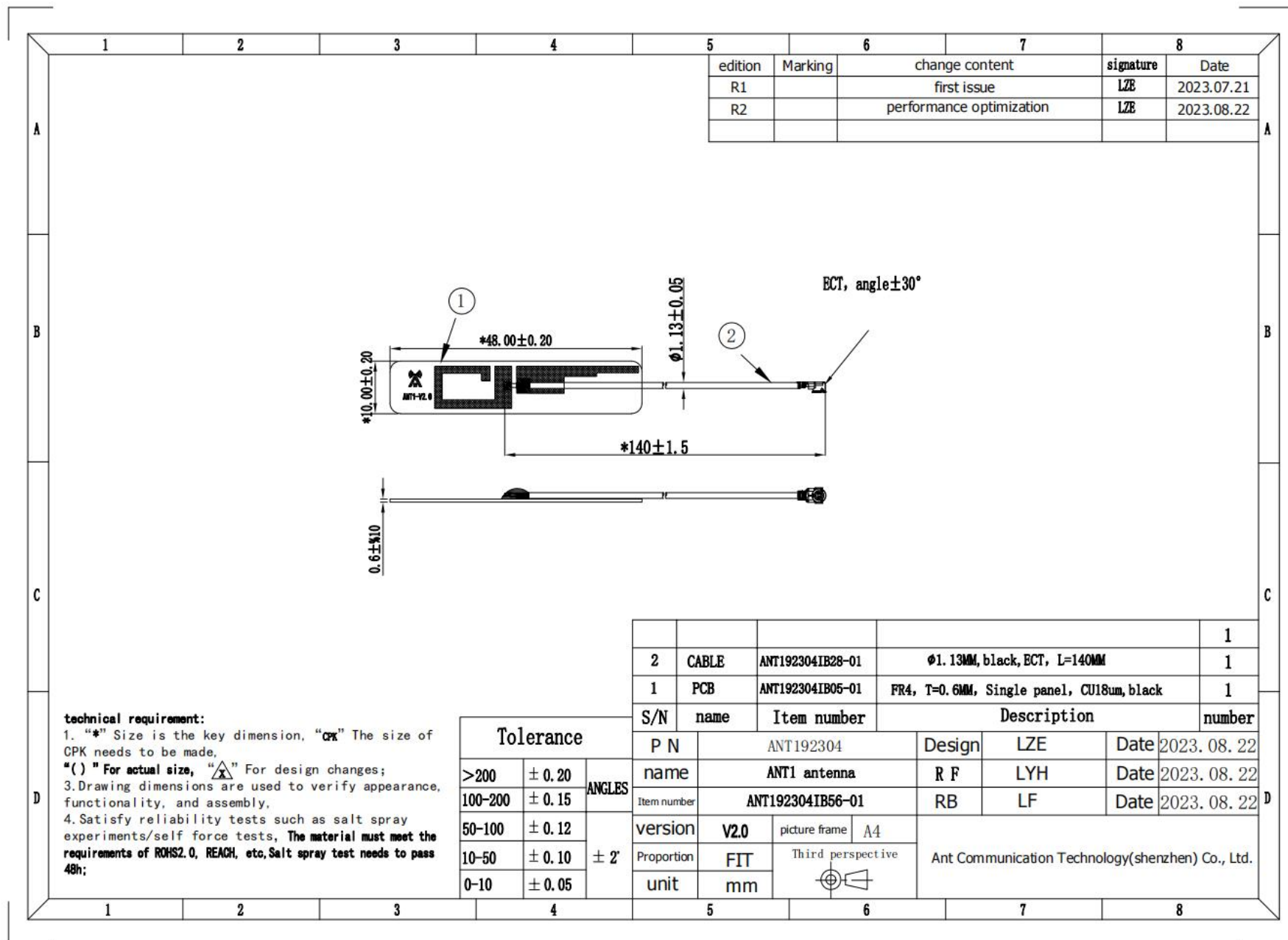
5.8GWIFI Test

Antenna: PCB antenna

Frequency: 6GHz

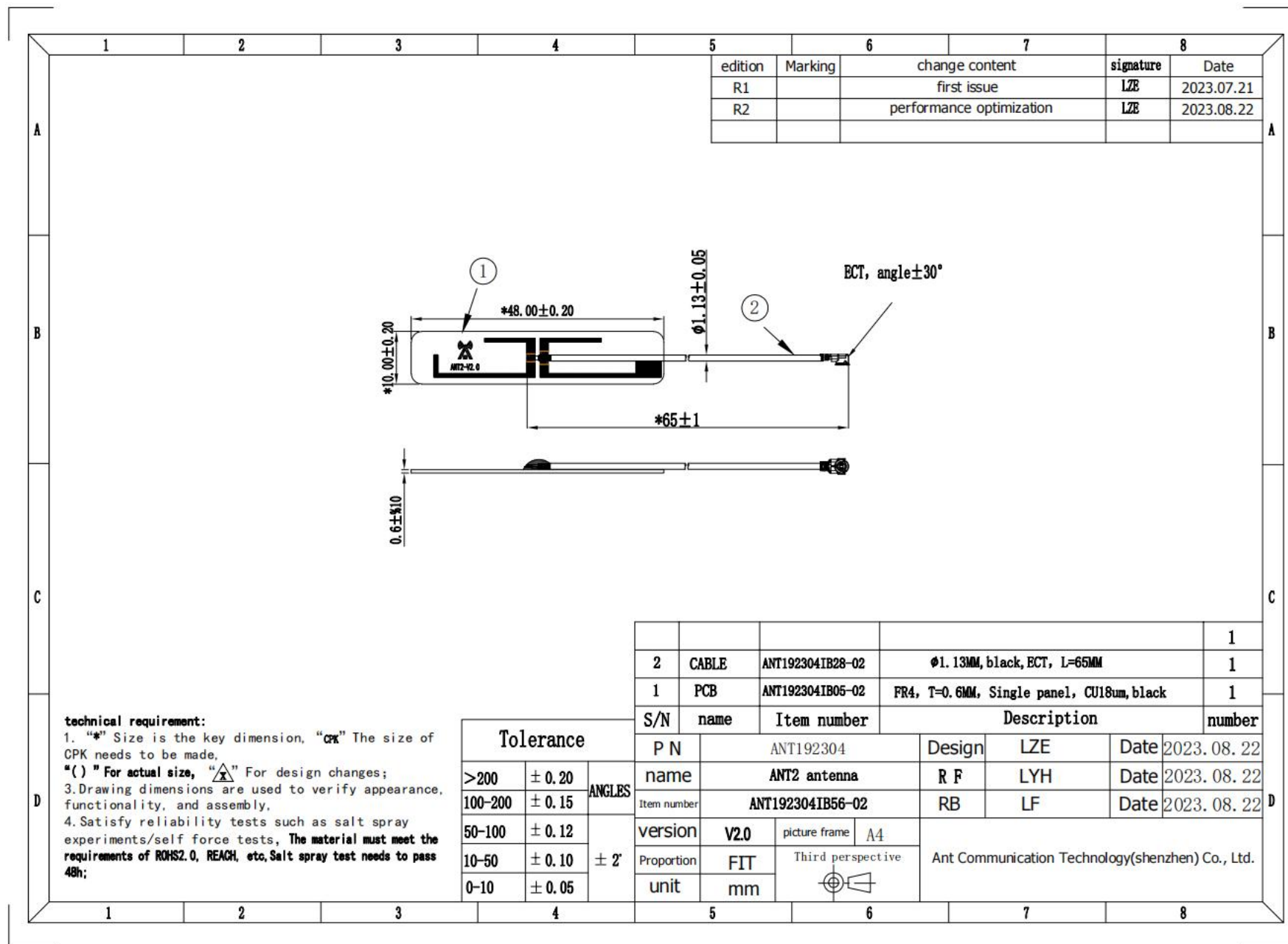


ANT1





ANT2





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OTA test data

Dual antenna data

5G WIFI A (6M)				5G WIFI N (6.5M)			
channel	36	64	165	channel	36	64	165
TRP (dBm)	17.2	17.2	17.1	TRP (dBm)	15.8	15.6	15.6
TIS (dBm)	-75	-75.3	-75.7	TIS (dBm)	-72.3	-72.2	-72



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Antenna gain

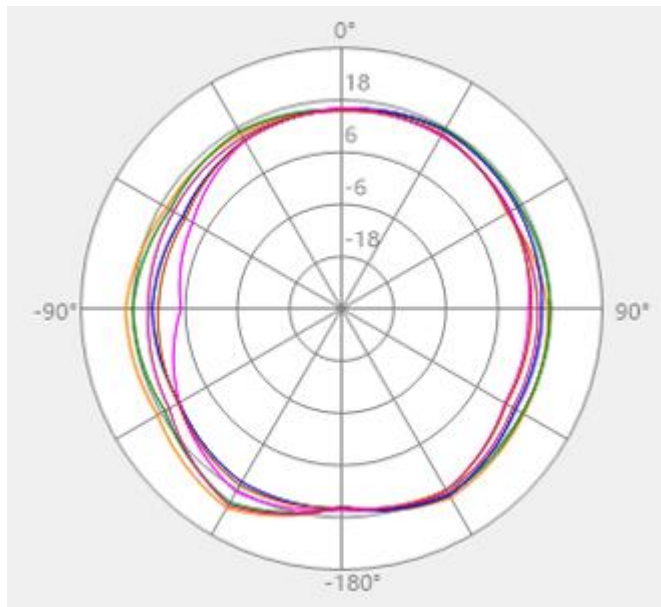
ANT1		ANT2	
Frequen cy/Mhz	MaxGain /dBi	Frequen cy/Mhz	MaxGain /dBi
5150	0.32	5150	1.66
5200	0.43	5200	1.46
5250	-0.59	5250	1.46
5300	0.24	5300	1.54
5350	-0.58	5350	0.54
5400	-0.23	5400	0.95
5450	-0.11	5450	1.32
5500	-0.75	5500	1.52
5550	-0.57	5550	1.84
5600	0.08	5600	1.56
5650	1.11	5650	2.87
5700	1.48	5700	2.89
5750	1.75	5750	2.01
5800	1.49	5800	2.75
5850	1.8	5850	2.8



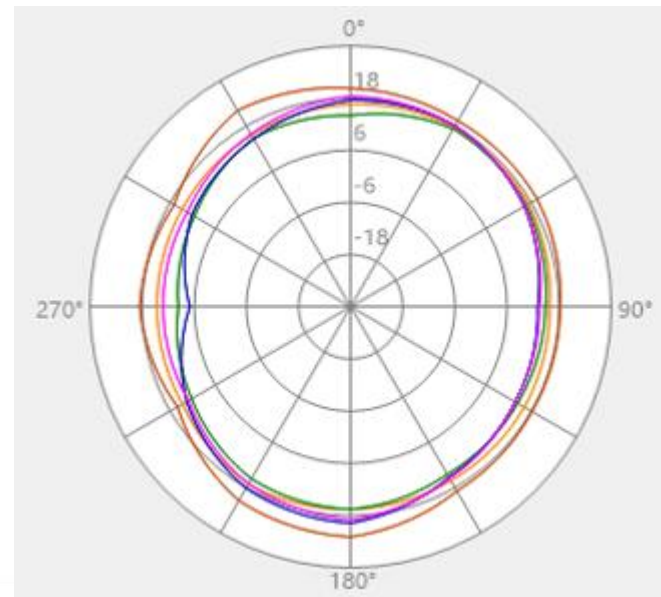
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Dual antenna



Phi



Theta

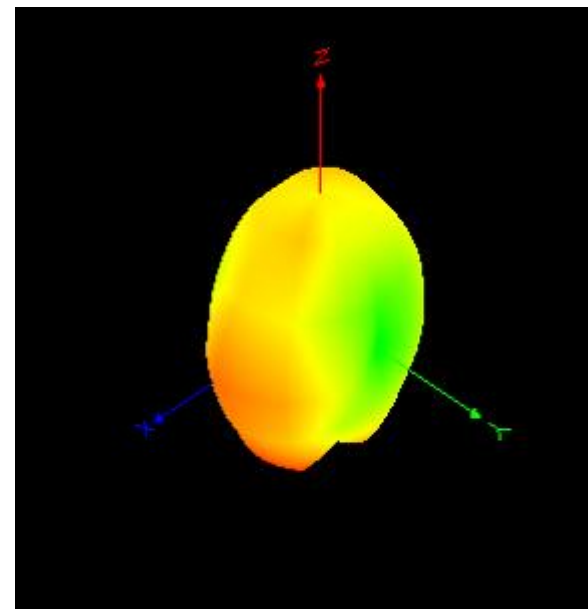
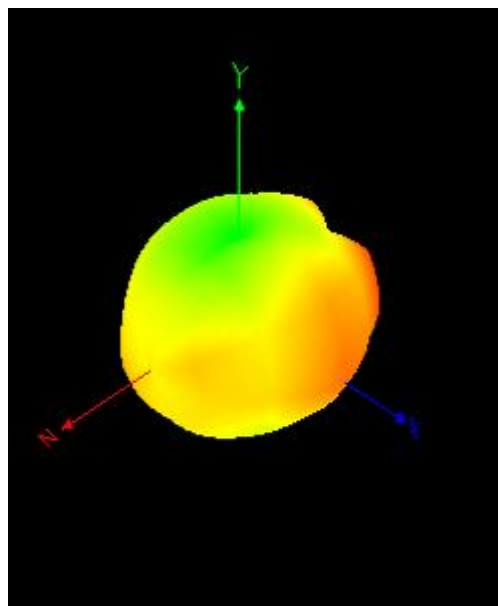
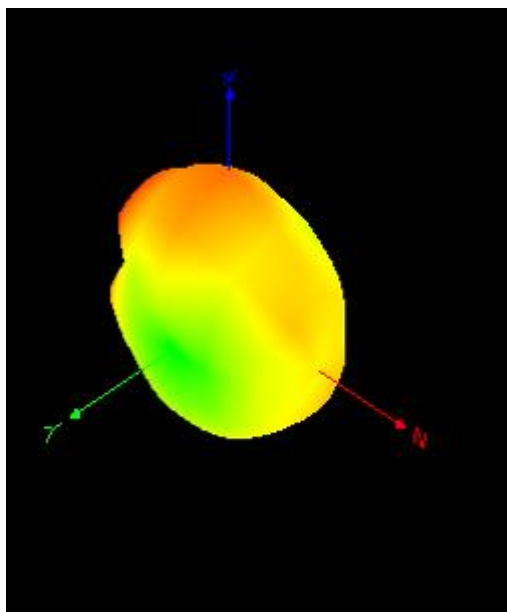
WIFI A 36 channel TRP 2D image



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Dual antenna



WIFI A 36 channel TRP 3D image



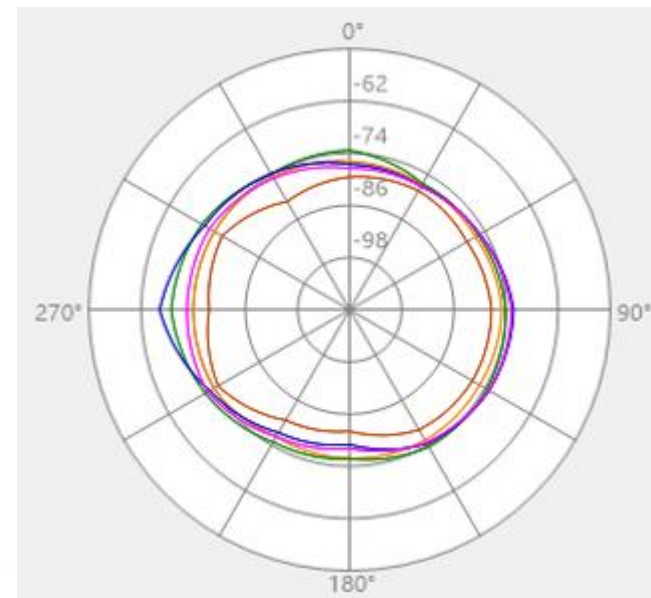
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Dual antenna



Phi



Theta

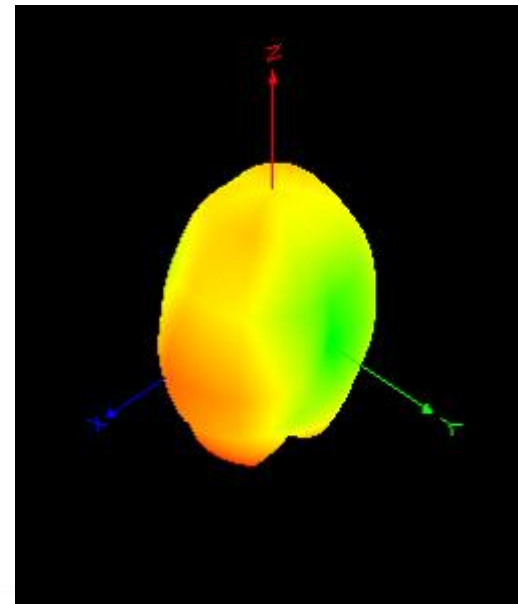
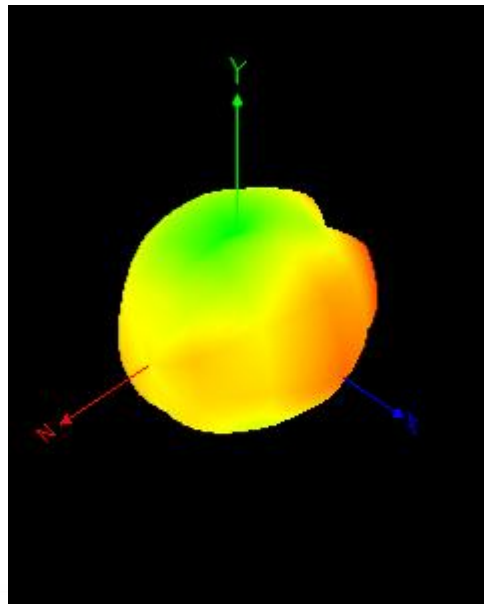
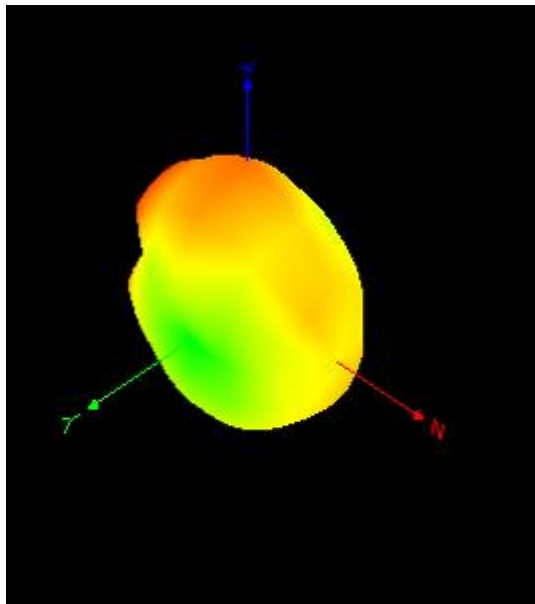
WIFI A 36 channel TIS 2D image



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Dual antenna



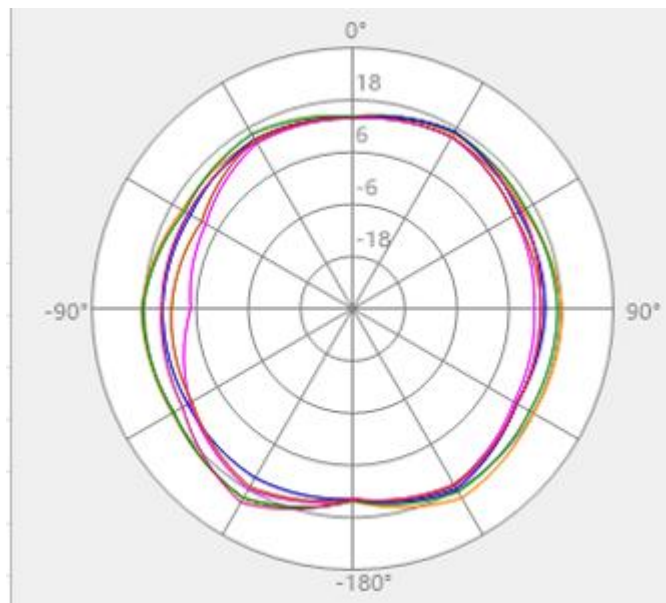
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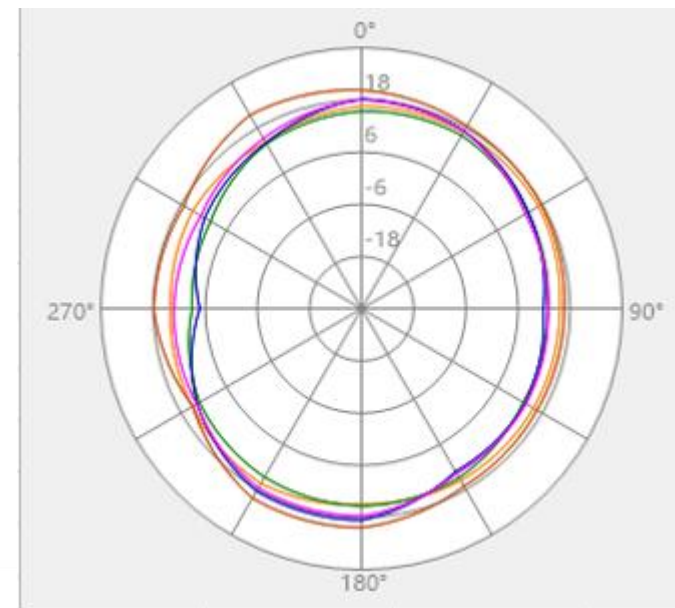
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Dual antenna



Phi



Theta

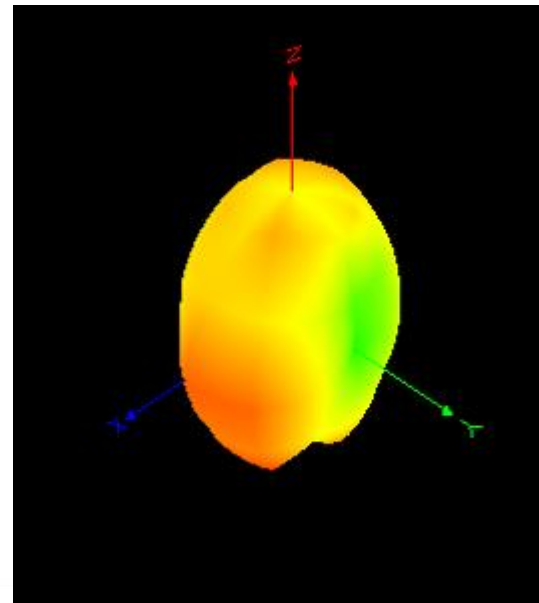
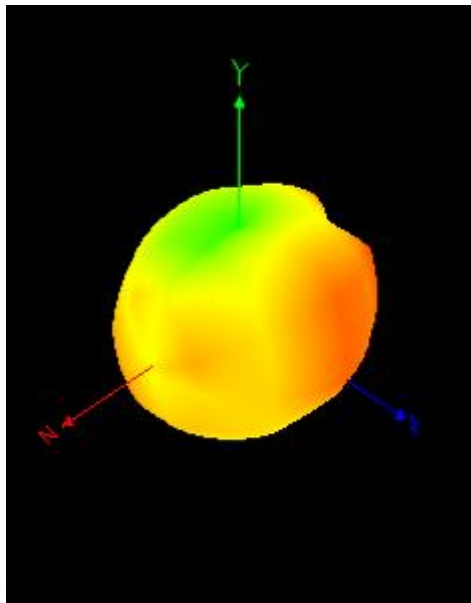
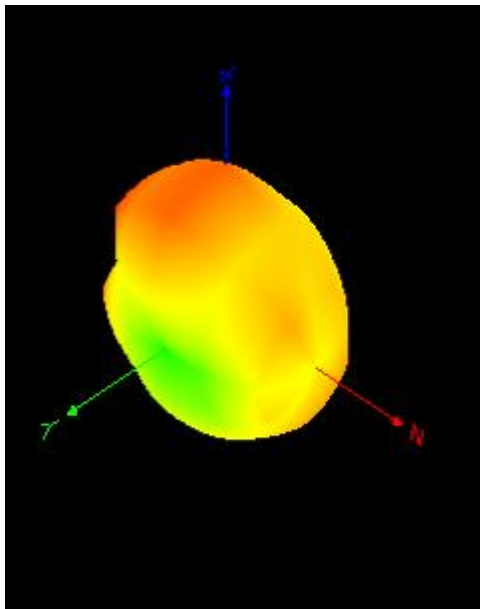
WIFI A 64 channel TRP 2D image



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Dual antenna



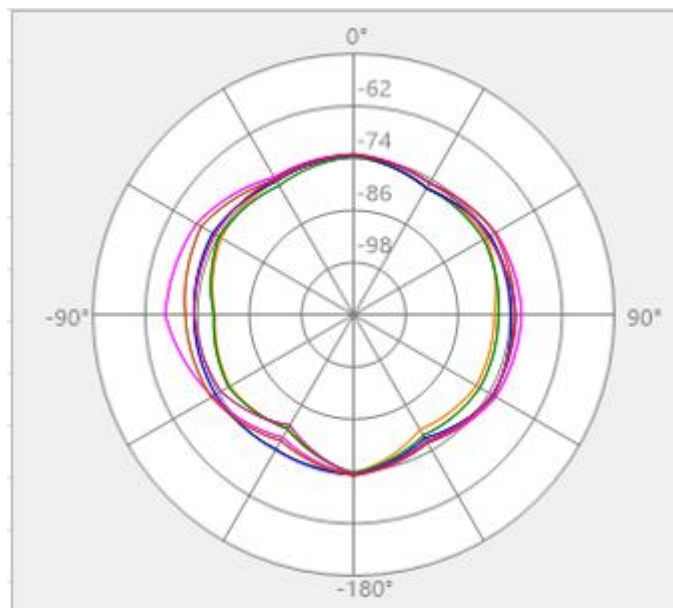
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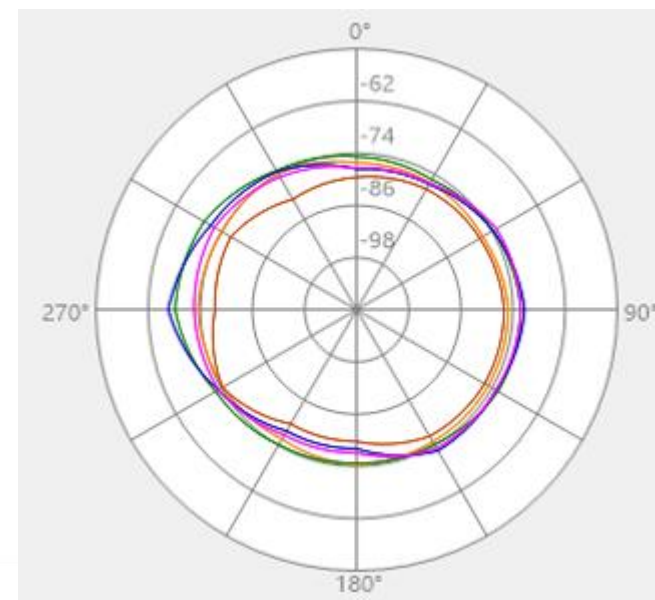
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Dual antenna



Phi



Theta

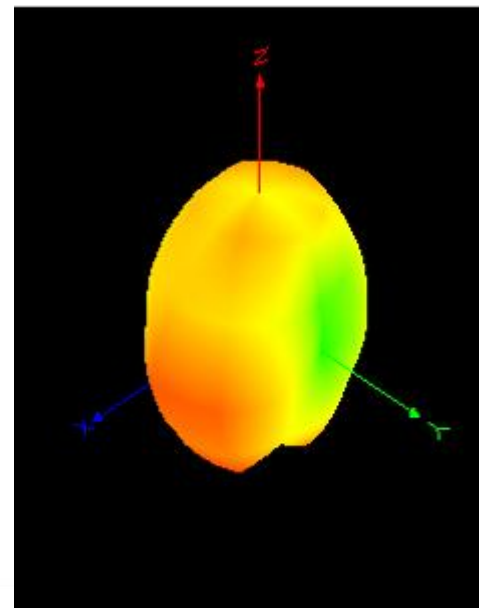
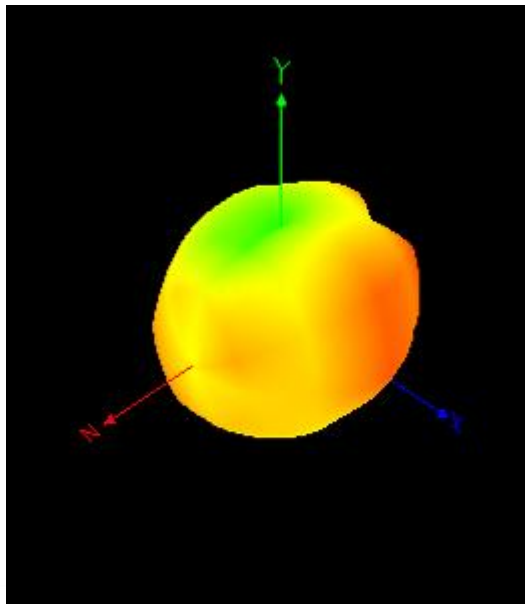
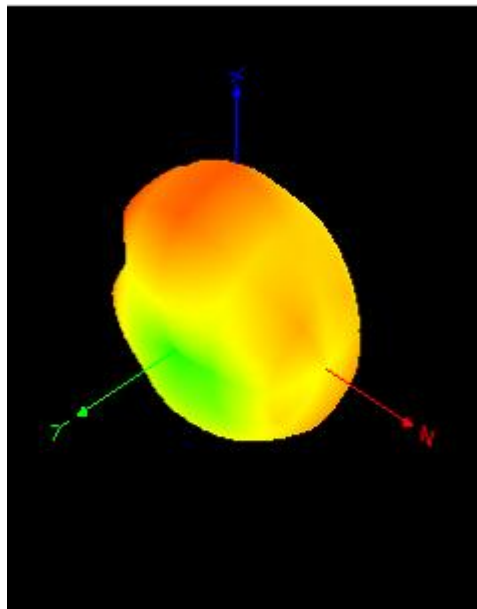
WIFI A 64 channel TIS 2D image



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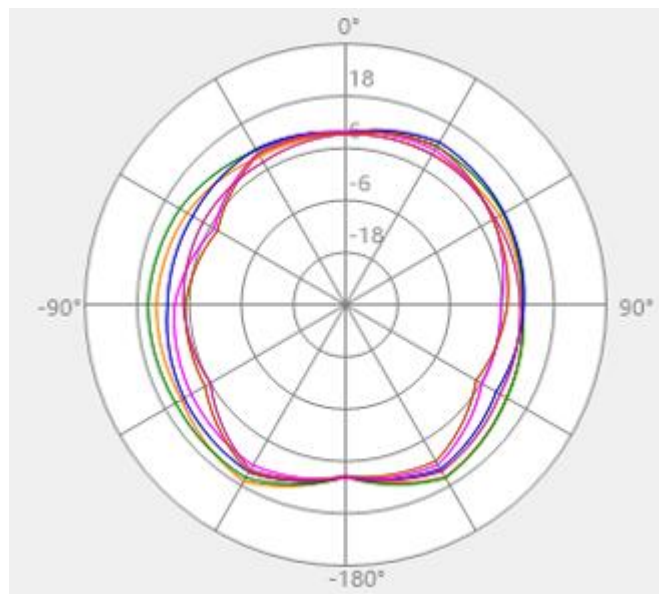
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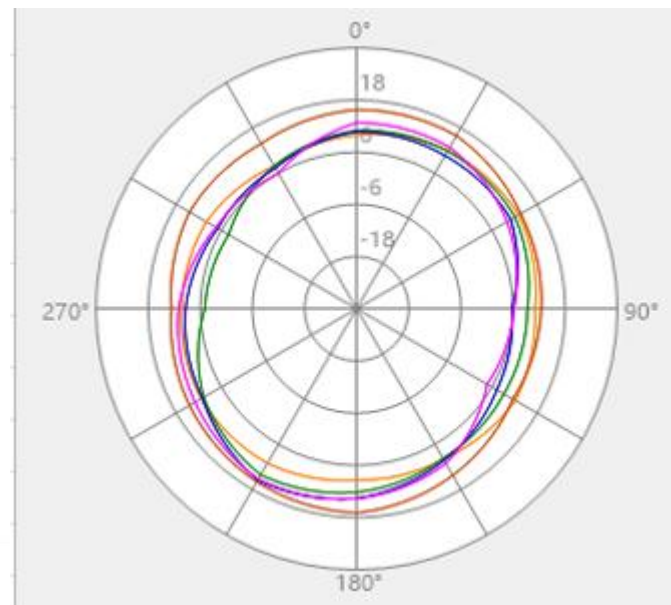
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Phi



Theta

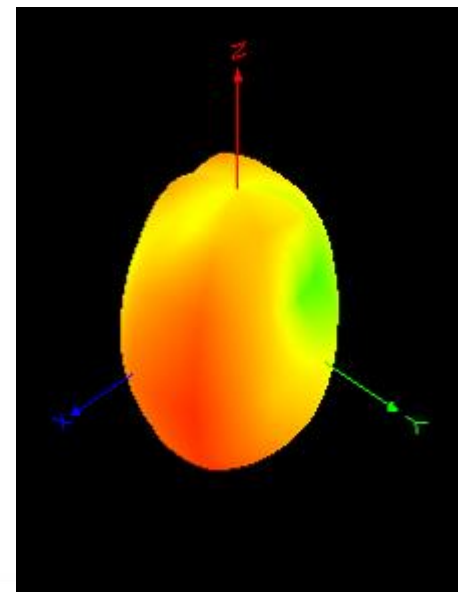
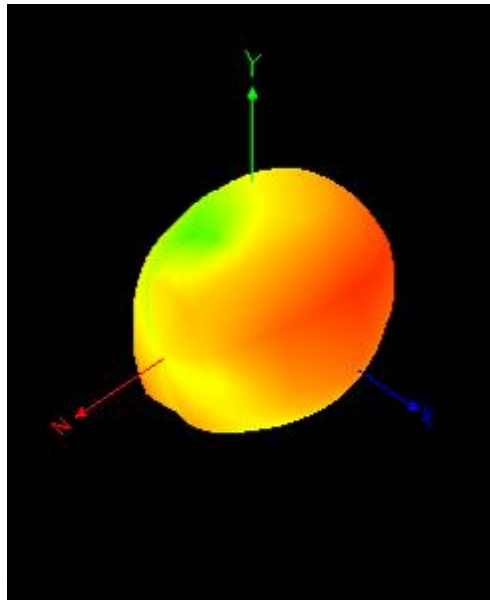
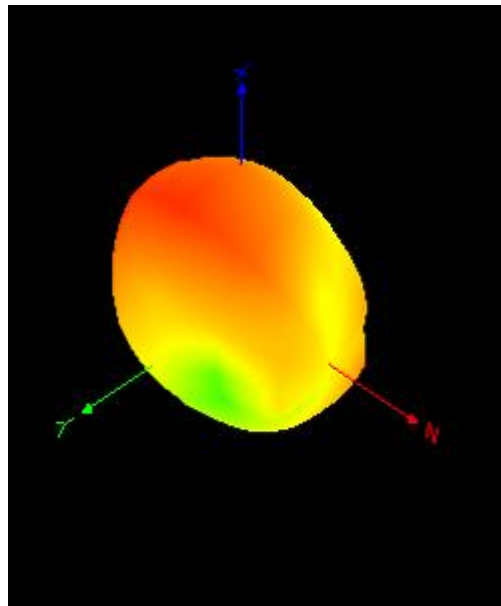
WIFI A 165 channel TRP 2D image



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Dual antenna



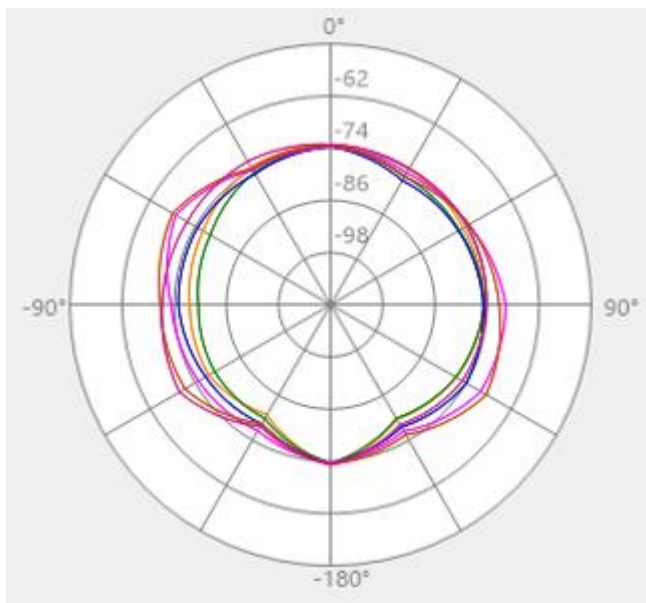
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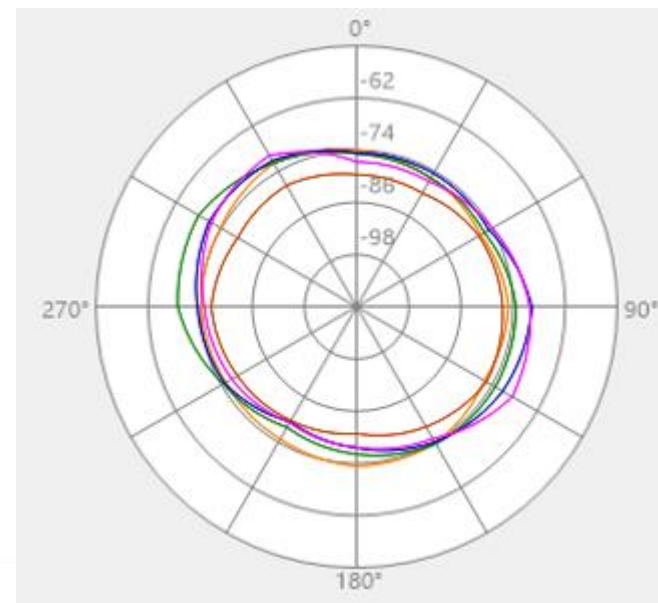
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Phi



Theta

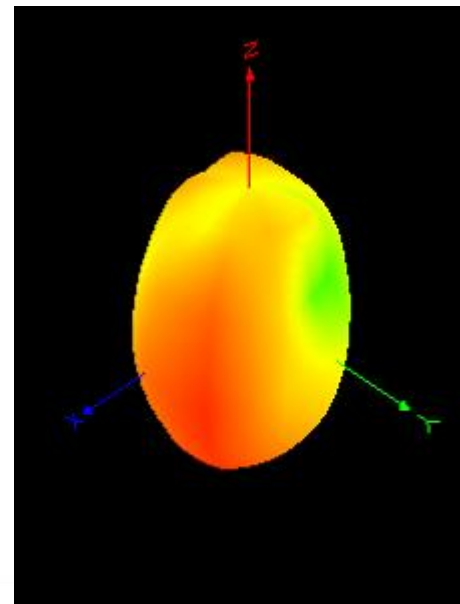
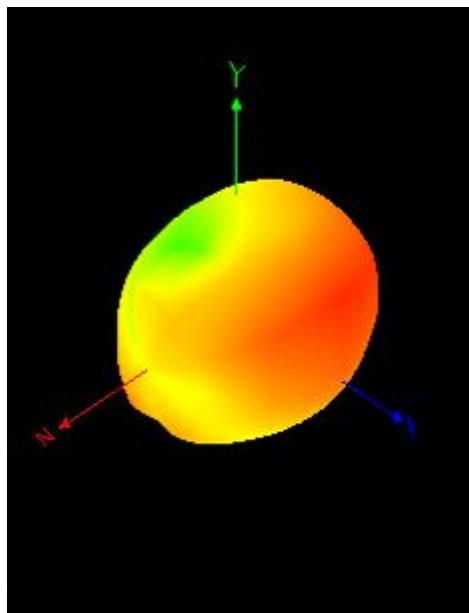
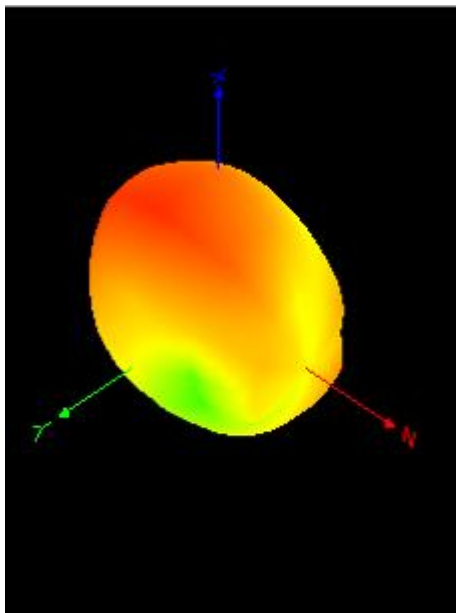
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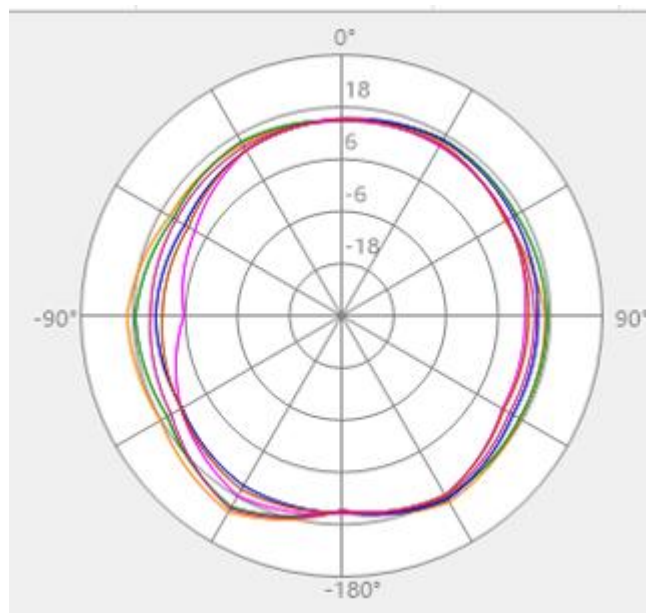
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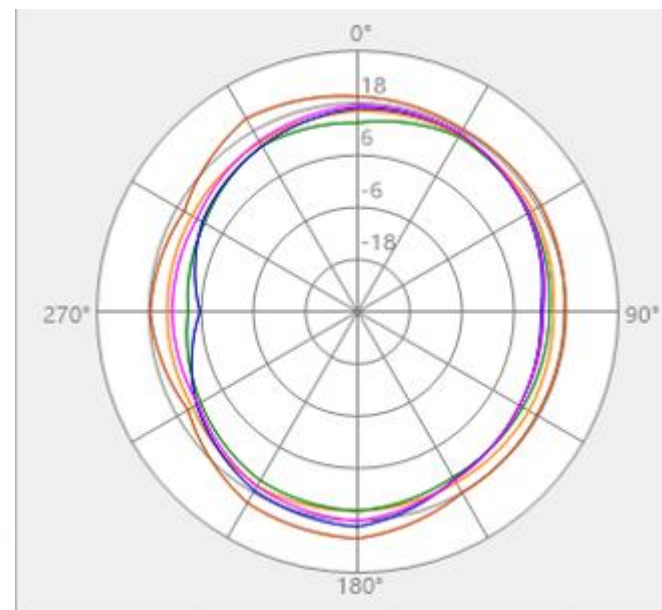
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Phi



Theta

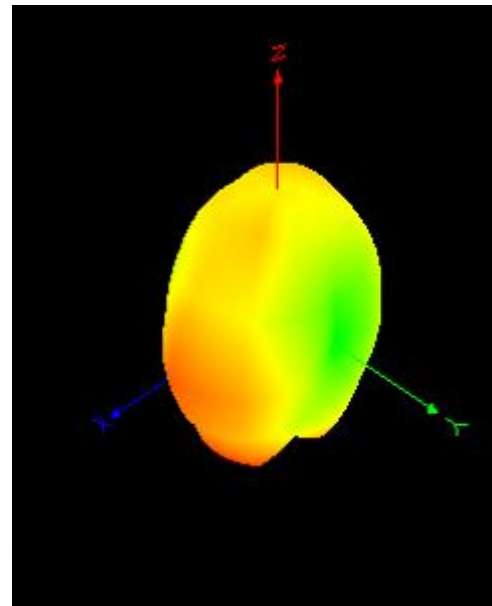
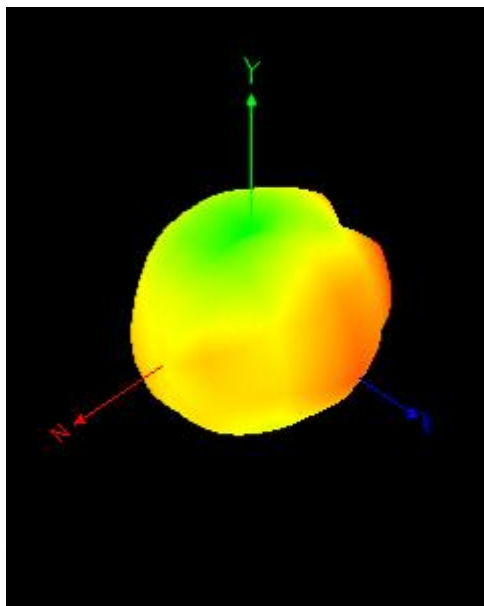
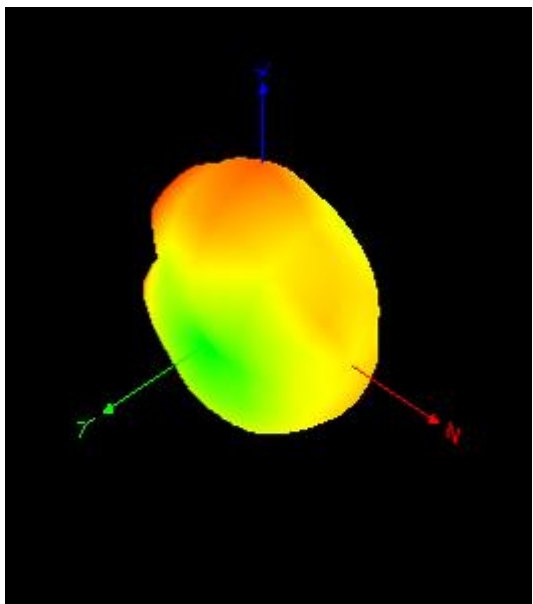
WIFI N 36 channel TRP 2D image



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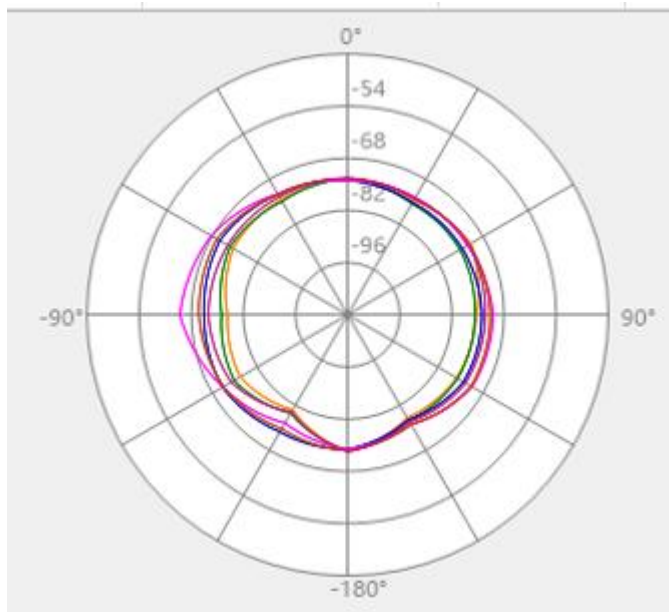
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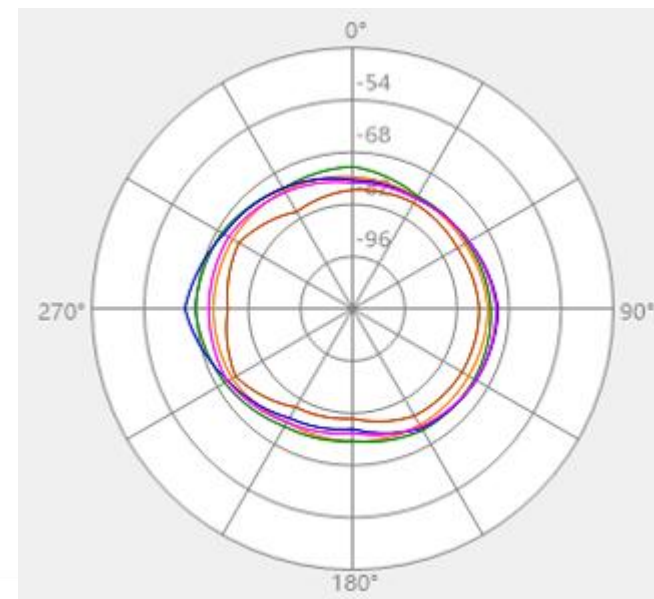
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Phi



Theta

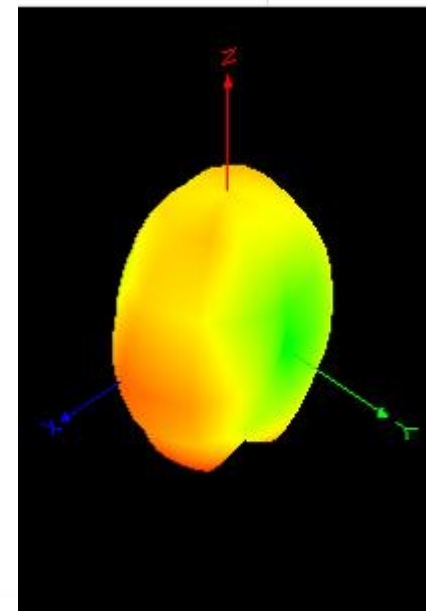
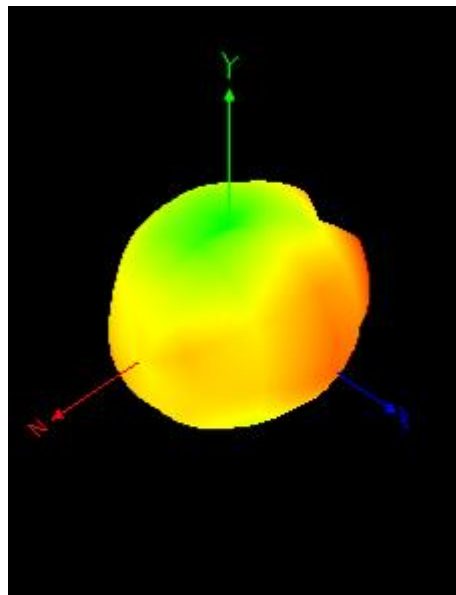
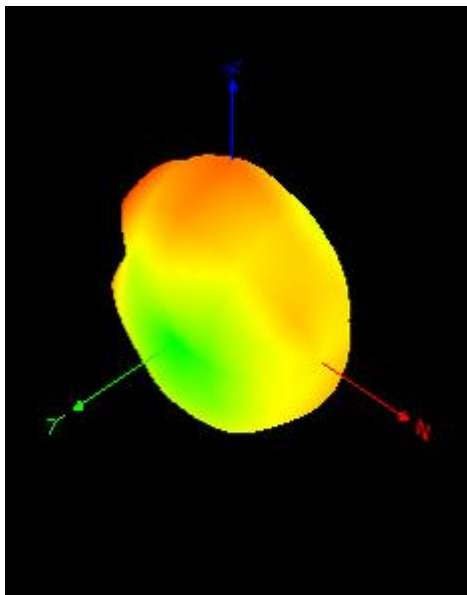
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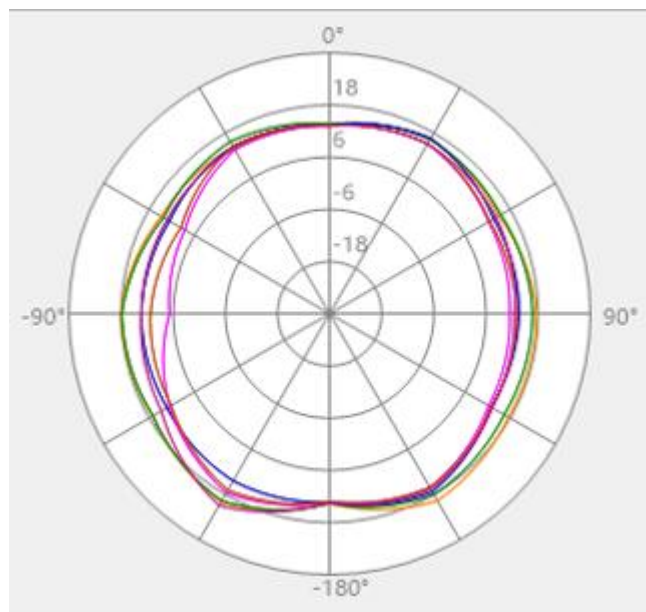
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Theta

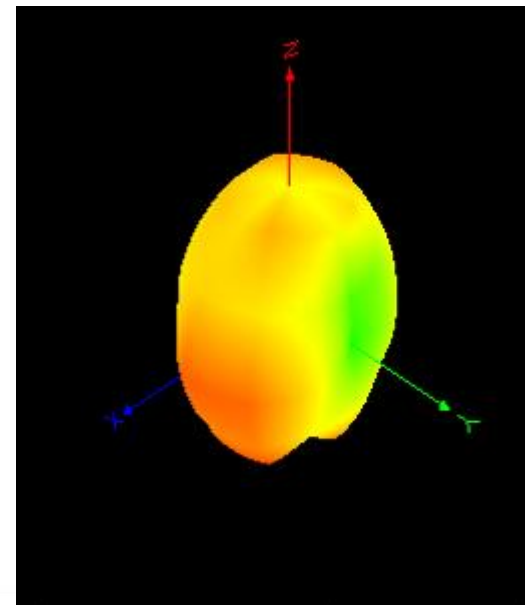
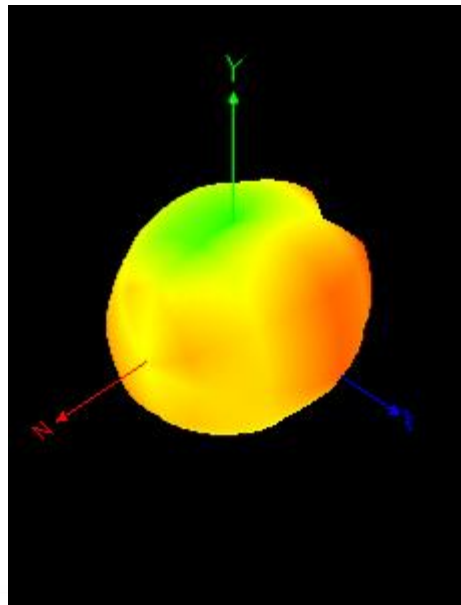
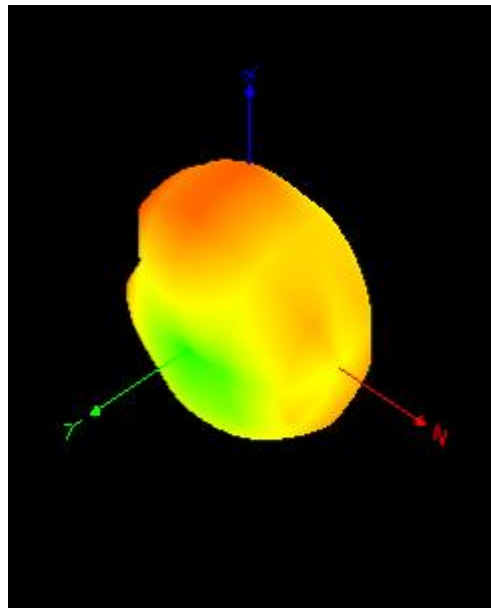
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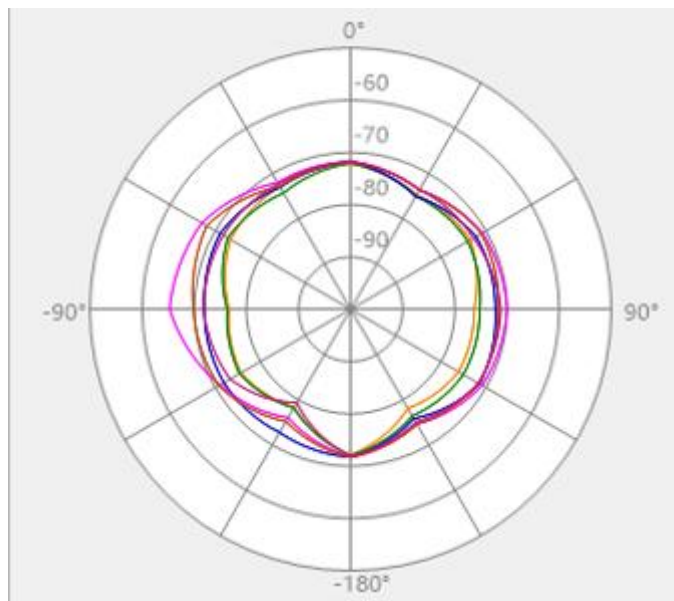
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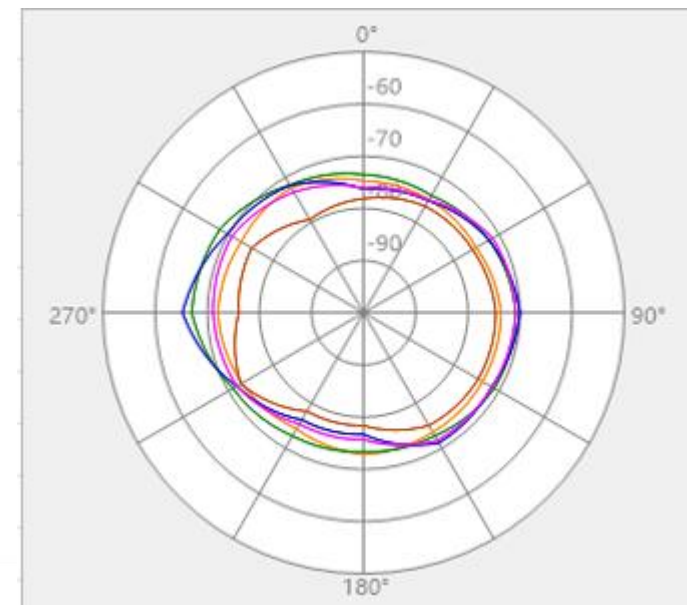
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Dual antenna



Phi



Theta

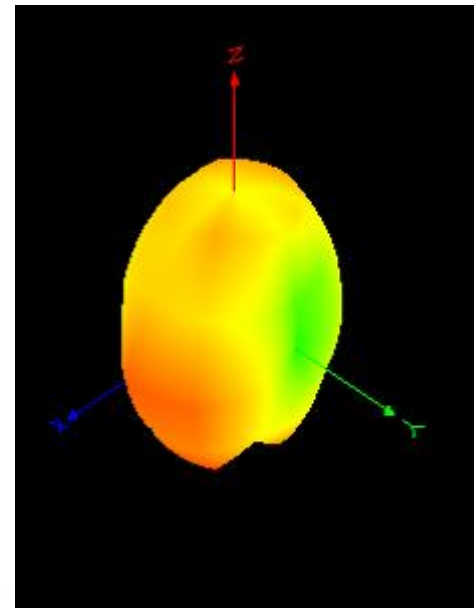
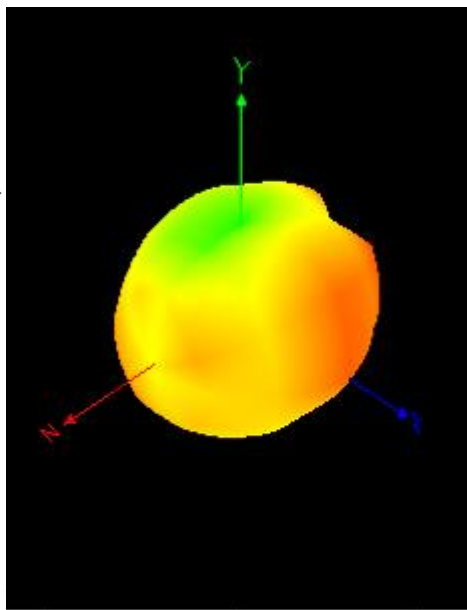
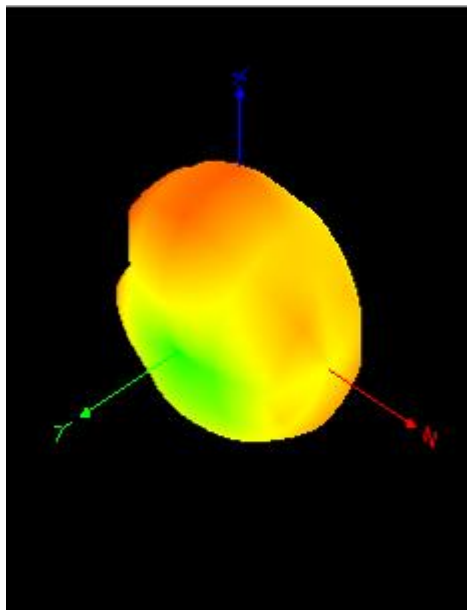
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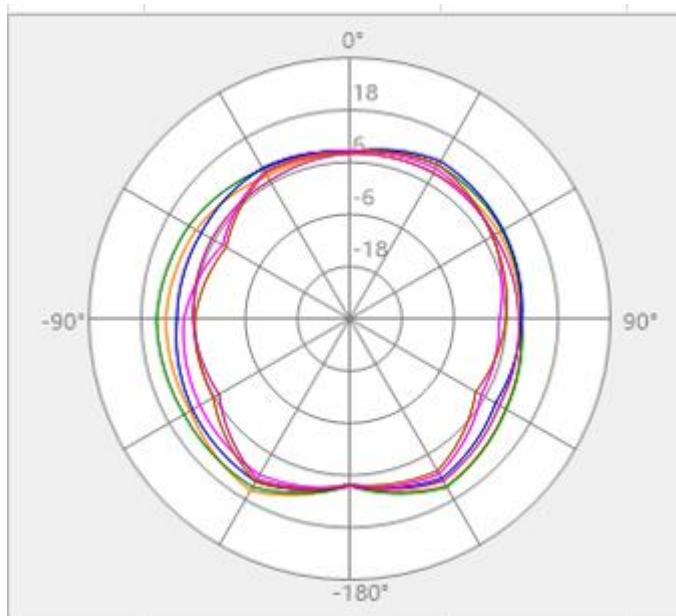
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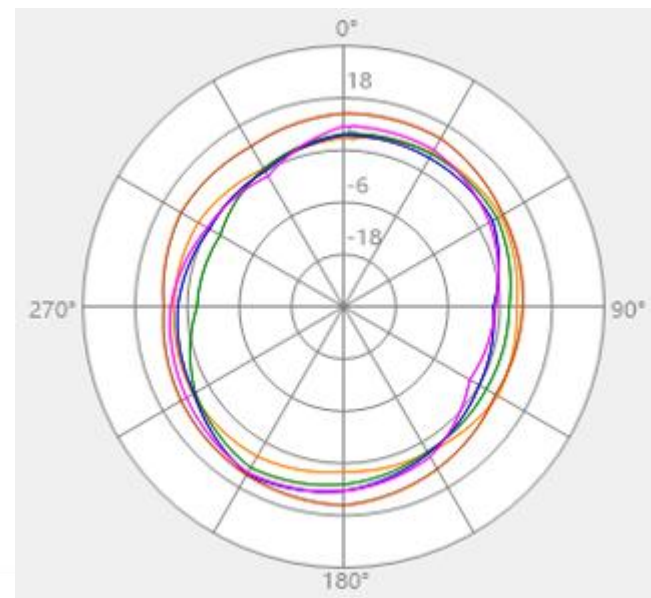
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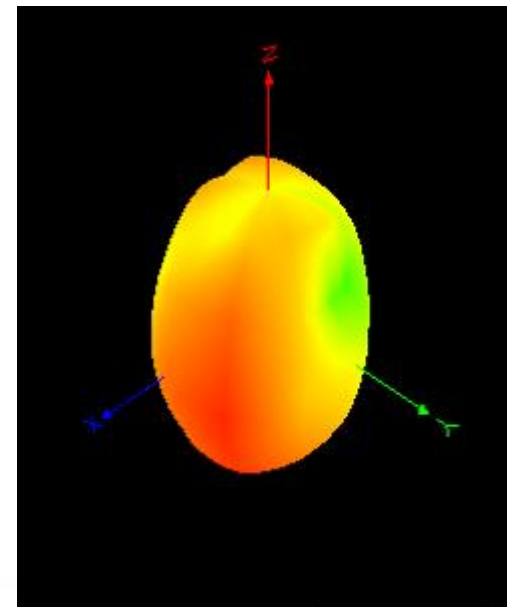
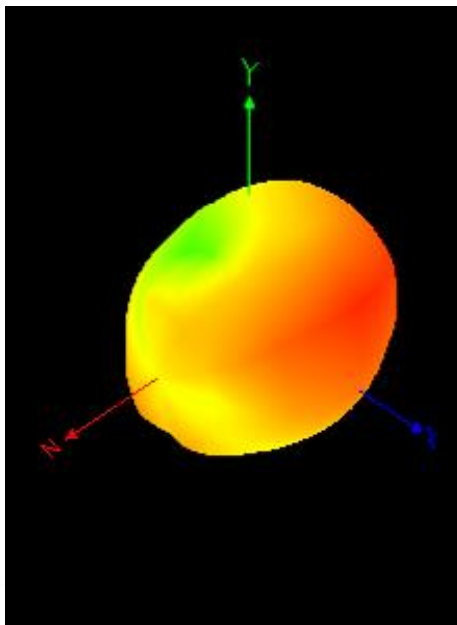
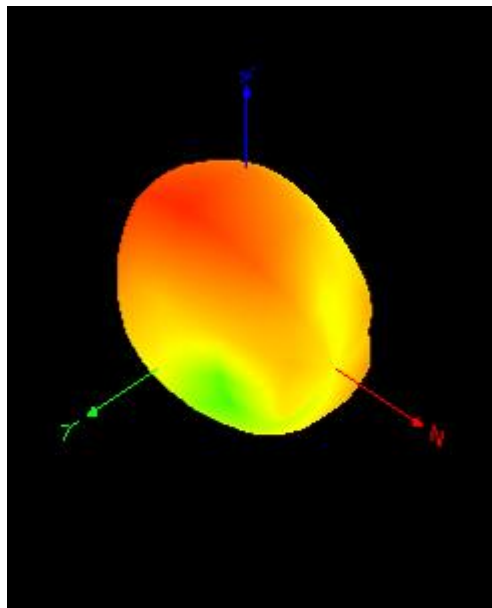
WIFI N 165 channel TRP 2D image



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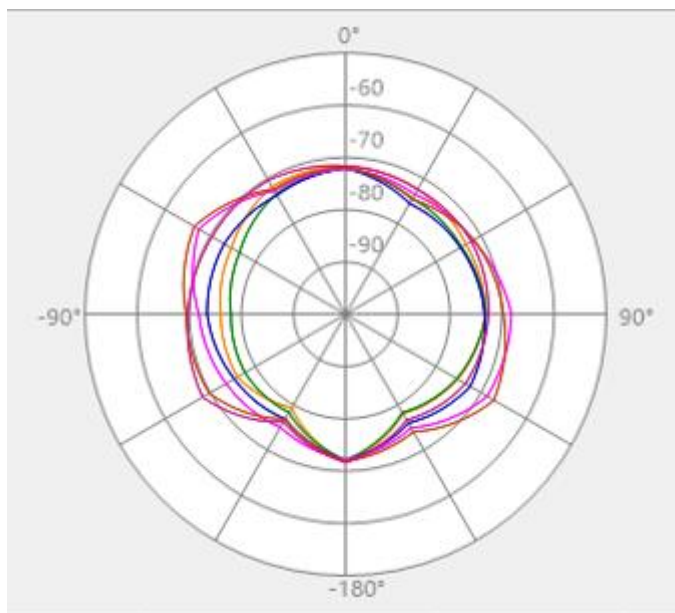
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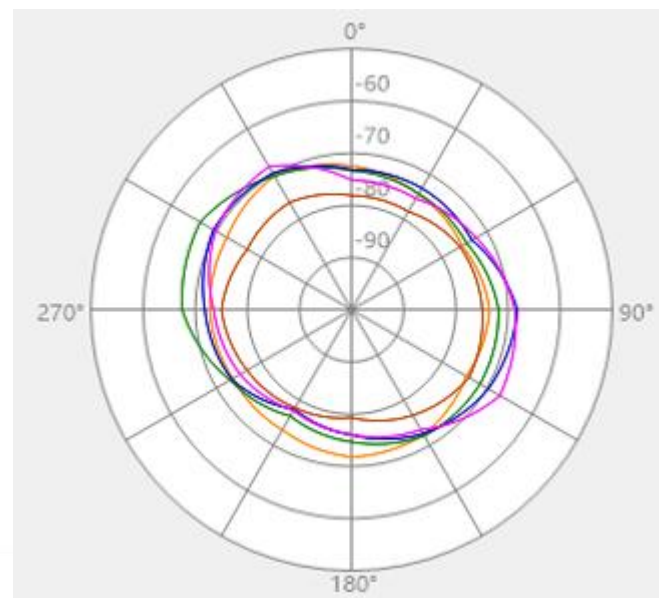
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Phi



Theta

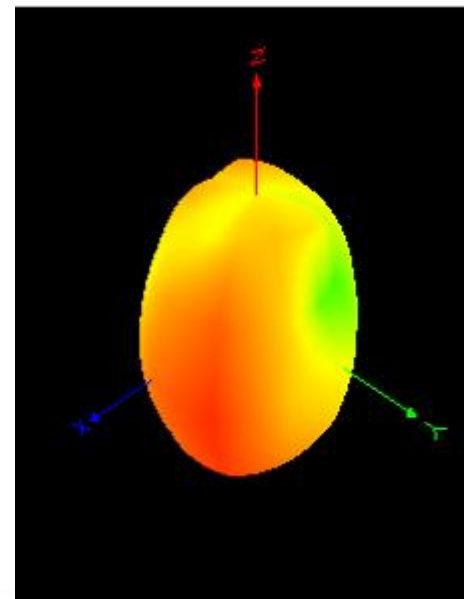
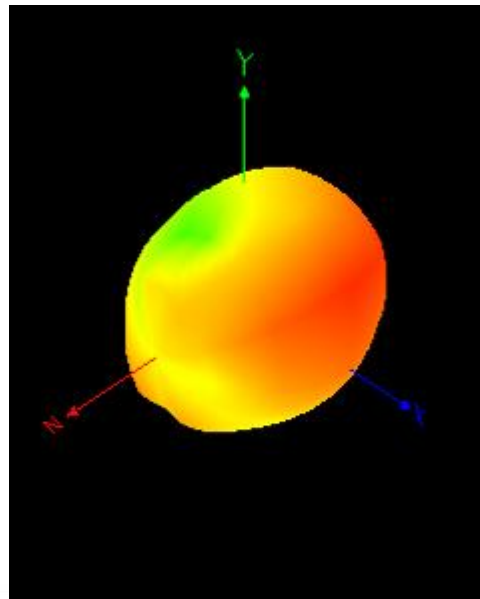
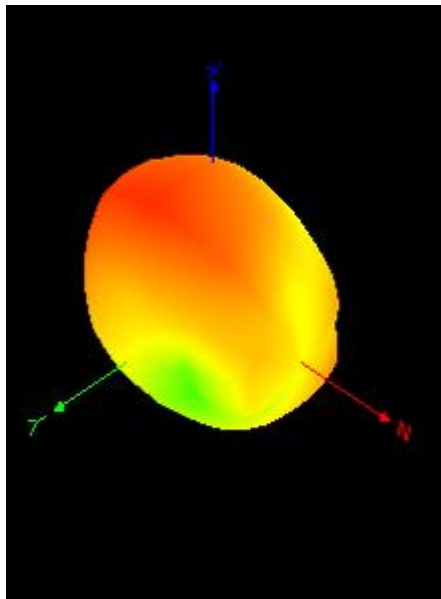
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THANK YOU!