

Report for Broadcom



Tengxiang Technology.Inc

东莞市腾祥电子有限公司

Product Number: AN2400-49D01BX

Product Name: Antenna

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By Alfred Grau

Tested Products.

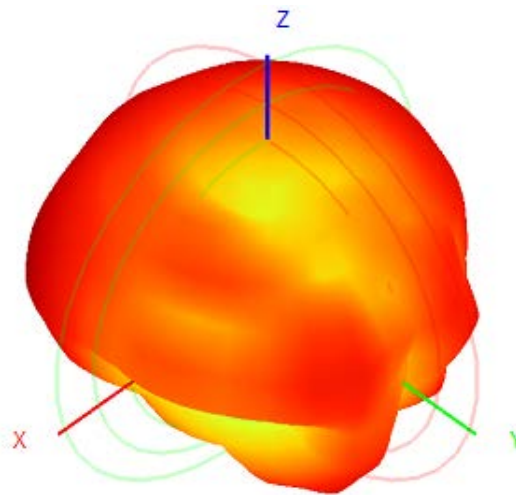
- Antenna 1: external antenna.
 - Frequency =2402MHz
 - Frequency =2404MHz
 - Frequency =2440MHz
 - Frequency =2441MHz
 - Frequency =2472MHz
 - Frequency =2480MHz

Coordinate System Reference: Antenna-RX

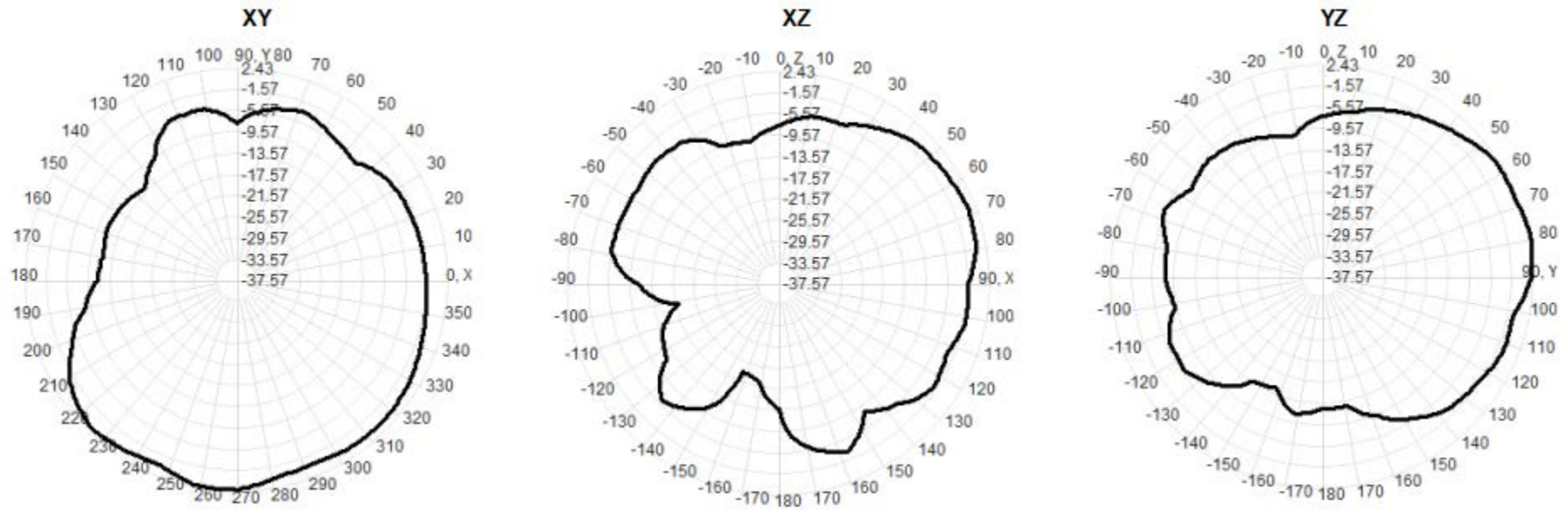


Radiation pattern: Antenna 3D Pattern at $f = 2402\text{MHz}$

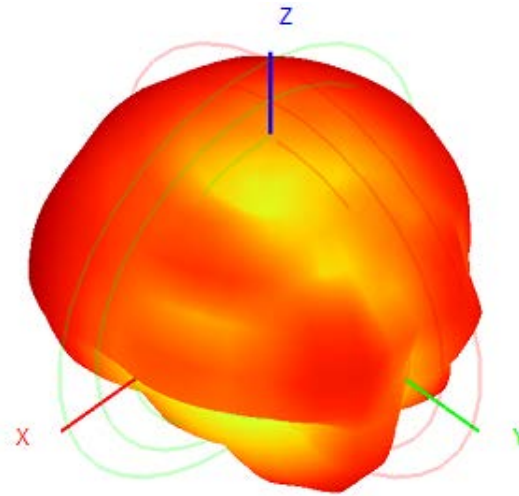
Coordinate System Reference: Antenna-RX



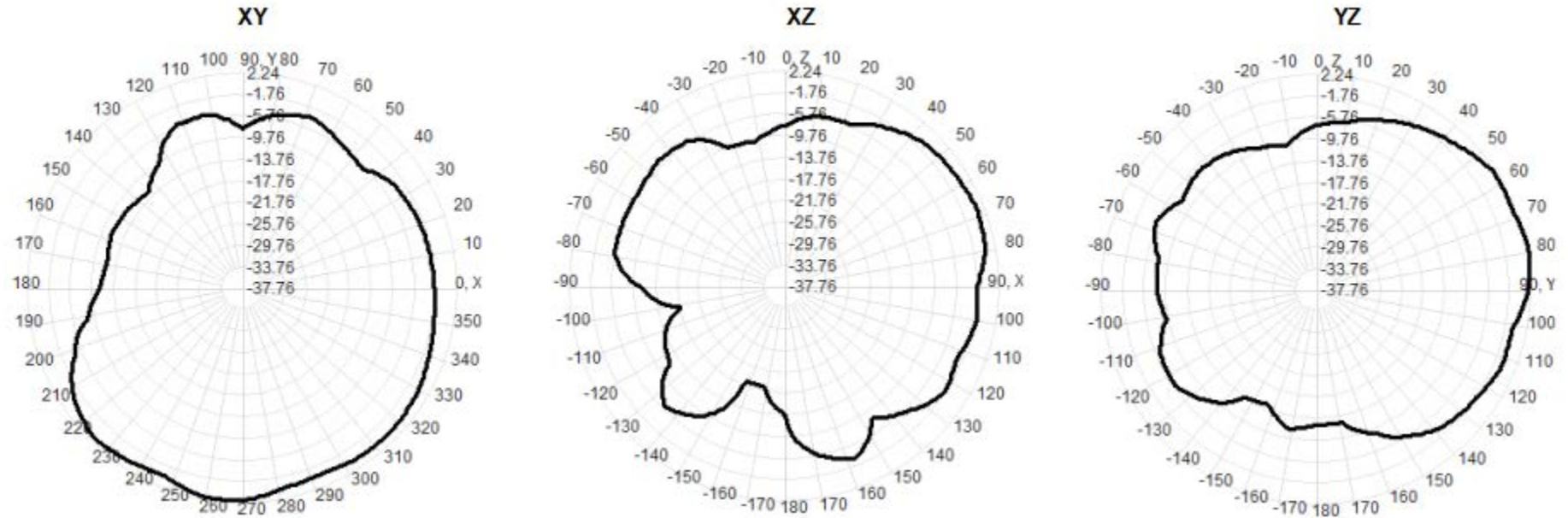
Radiation pattern: Antenna 2D Pattern at $f = 2402\text{MHz}$



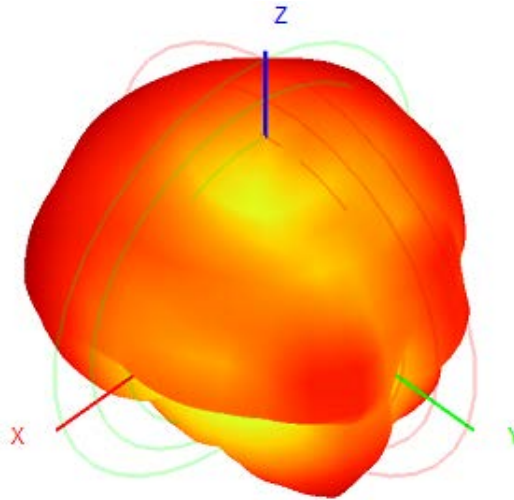
Radiation pattern: Antenna 3D Pattern at $f = 2404\text{MHz}$



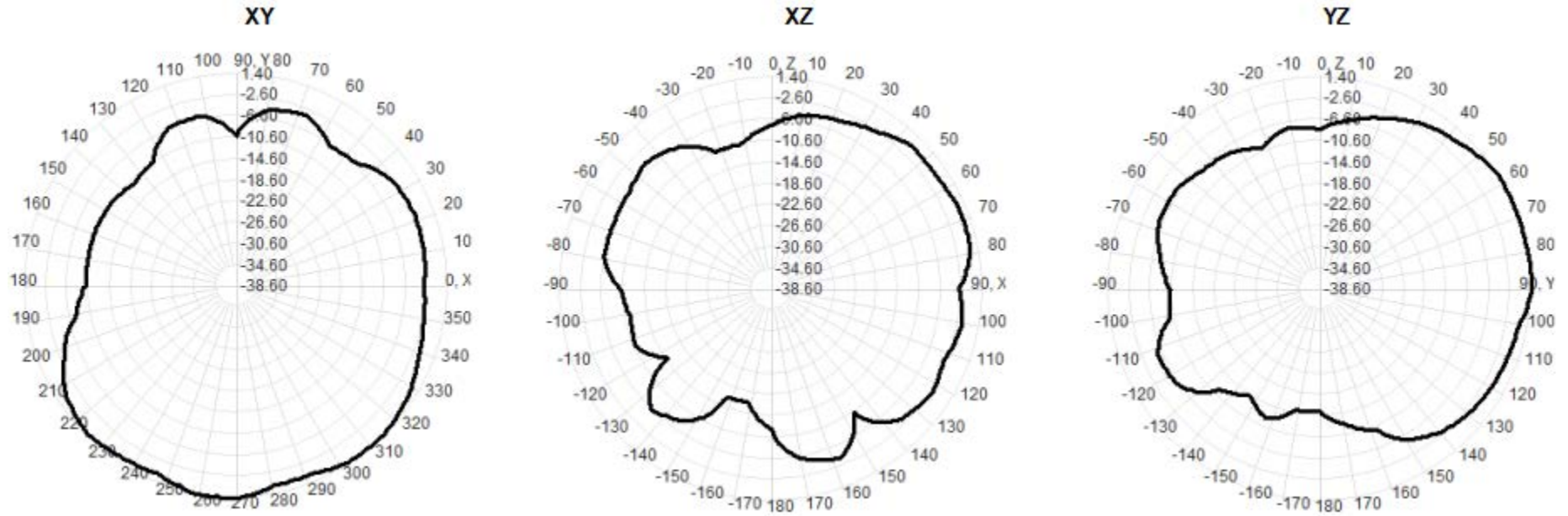
Radiation pattern: Antenna 2D Pattern at $f = 2404\text{MHz}$



Radiation pattern: Antenna 3D Pattern at $f = 2440\text{MHz}$

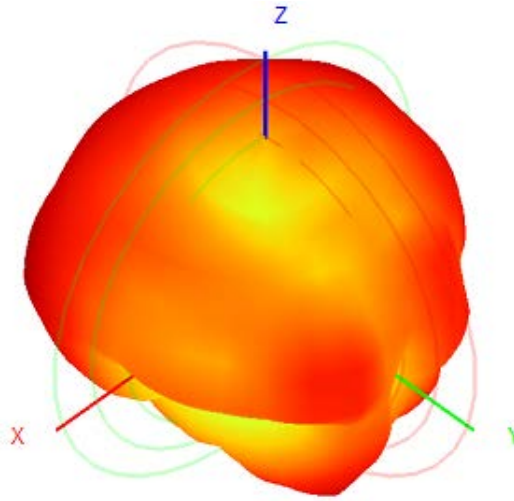


Radiation pattern: Antenna 2D Pattern at $f = 2440\text{MHz}$

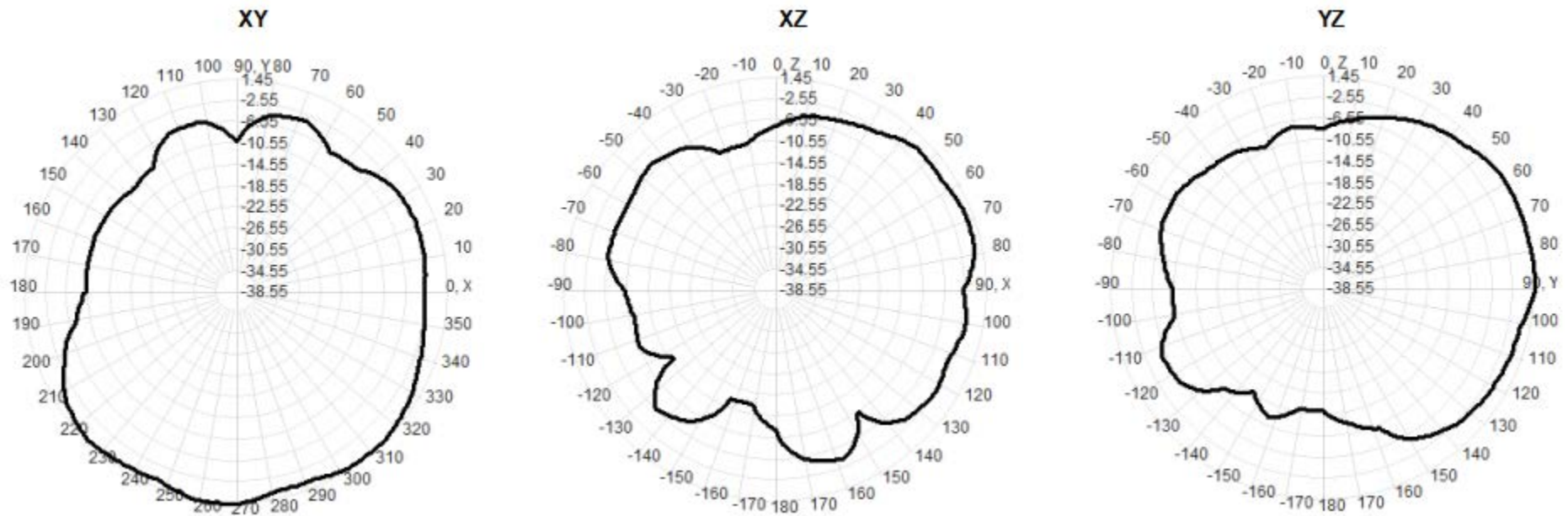


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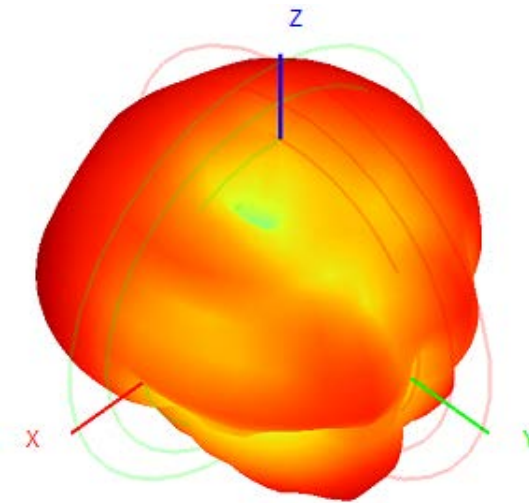
Radiation pattern: Antenna 3D Pattern at $f = 2441\text{MHz}$



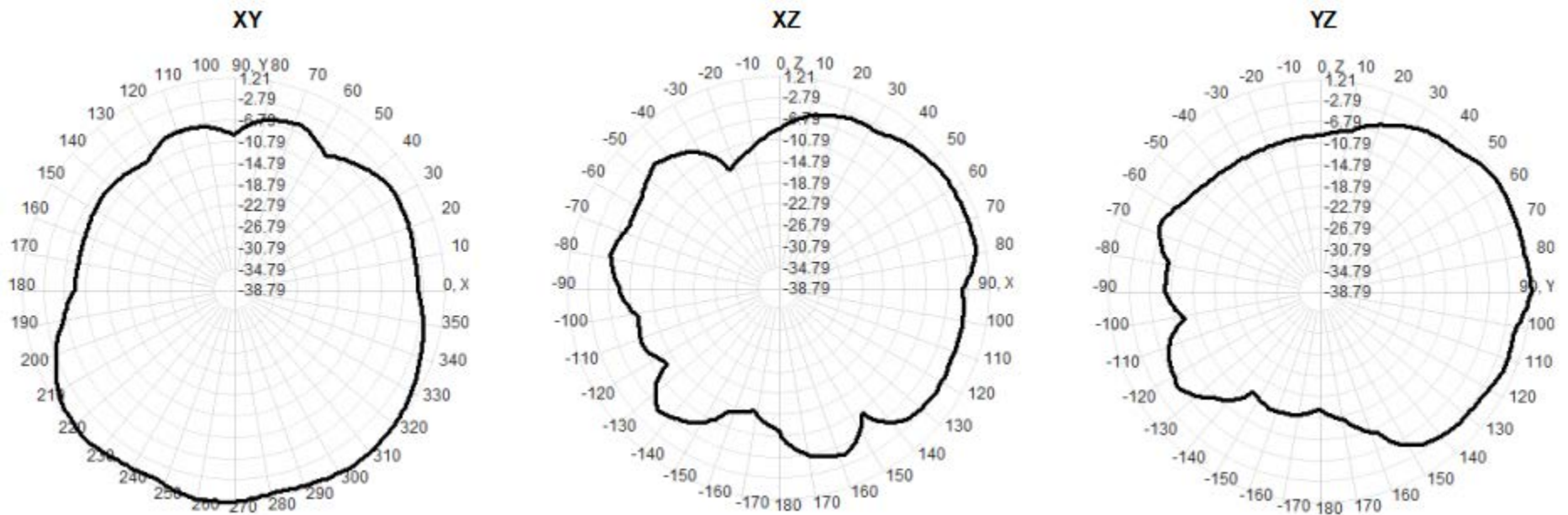
Radiation pattern: Antenna 2D Pattern at $f = 2441\text{MHz}$



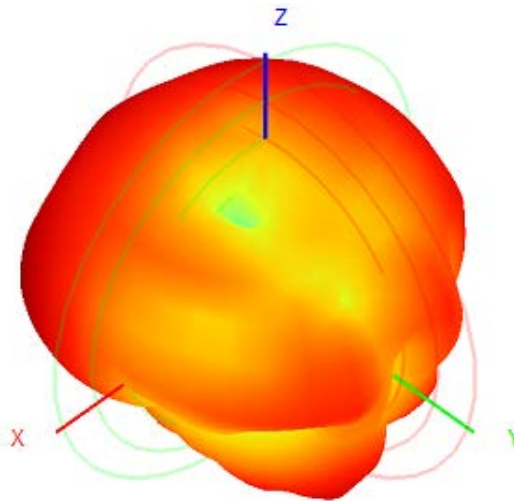
Radiation pattern: Antenna 3D Pattern at $f = 2472\text{MHz}$



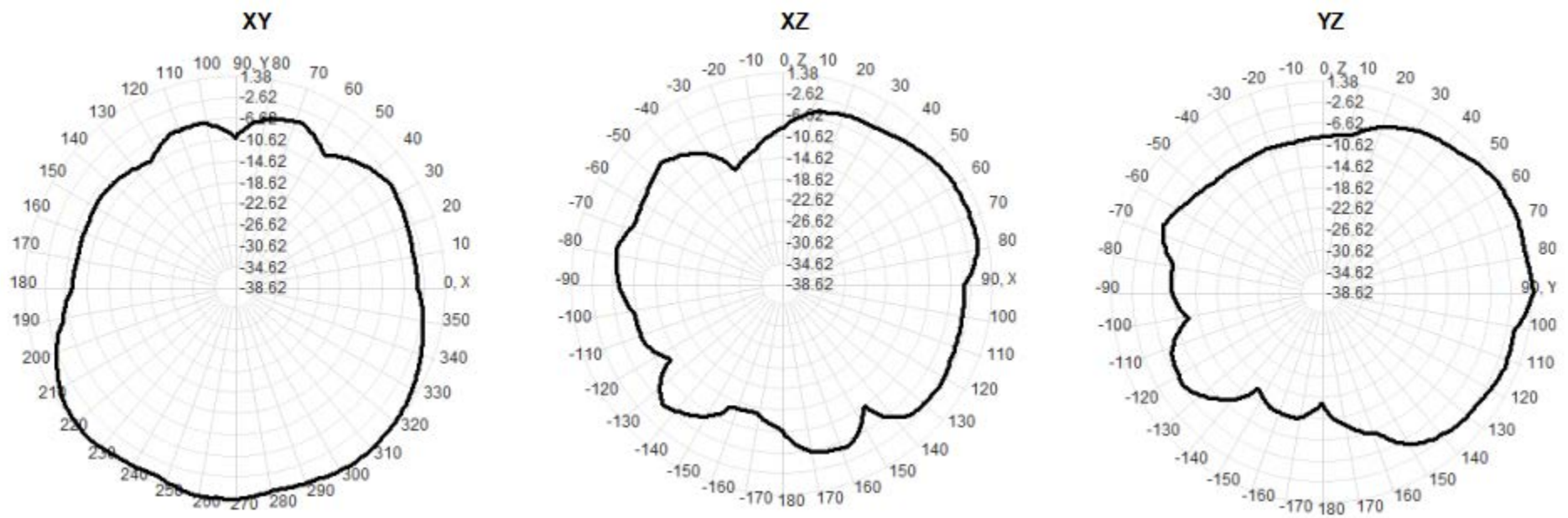
Radiation pattern: Antenna 2D Pattern at $f = 2472\text{MHz}$



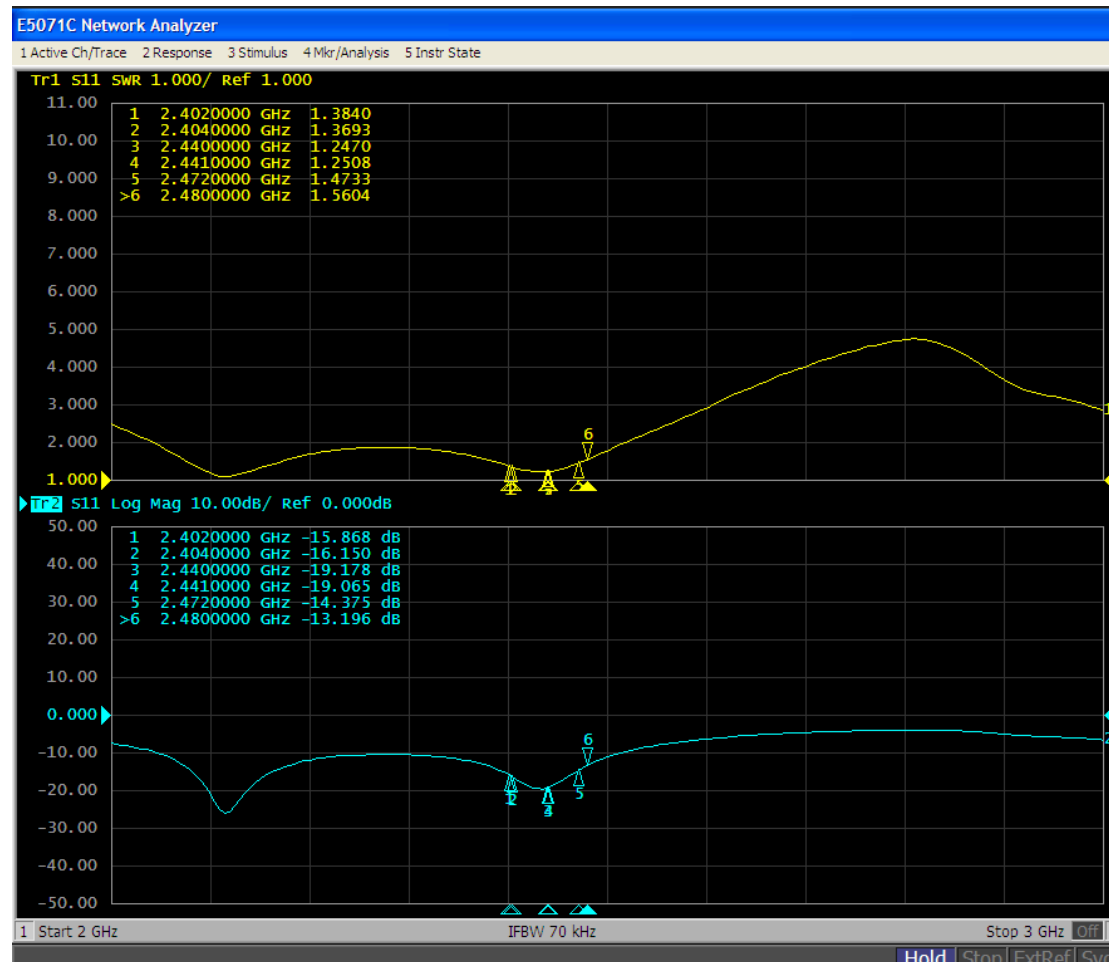
Radiation pattern: Antenna 3D Pattern at $f = 2480\text{MHz}$



Radiation pattern: Antenna 2D Pattern at $f = 2480\text{MHz}$



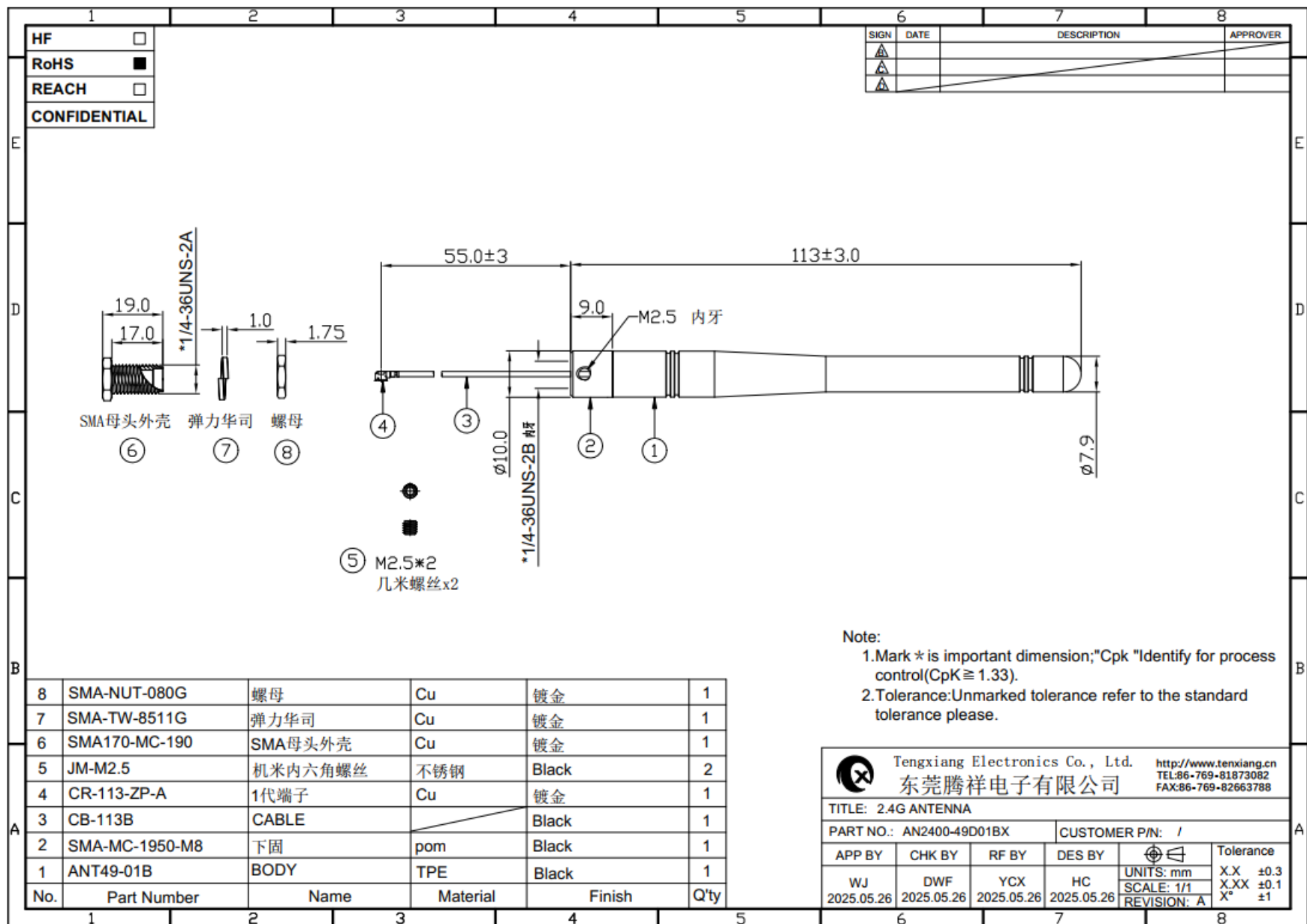
Return Loss: Antenna1



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Measurements summary

Frequency ID	1	2	3	4	5	6
Frequency (MHz)	2402.0	2404.0	2440.0	2441.0	2472.0	2480.0
Gain (dBi)	-0.43	-0.34	-0.23	-0.28	-0.34	-0.48
Efficiency (%)	50.09	50.65	51.48	51.82	51.35	50.97



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