

Report for Broadcom



Tengxiang Technology.Inc

东莞市腾祥电子有限公司

Product Number: AN2400-FPC225114

Product Name: Antenna

NO.53 Shatou ShaChong Road, ChangAn Town, Guangdong province, China

中国广东省东莞市长安镇沙头区沙涌路 53 号

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<http://www.tenxiang.cn>

By Alfred Grau

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Tested Products.

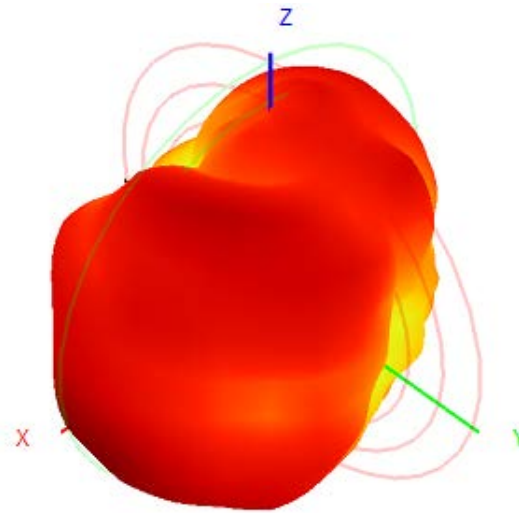
- Antenna 1: external antenna.
 - Frequency =2402MHz
 - Frequency =2404MHz
 - Frequency =2440MHz
 - Frequency =2441MHz
 - Frequency =2472MHz
 - Frequency =2480MHz

Coordinate System Reference: Antenna-RX

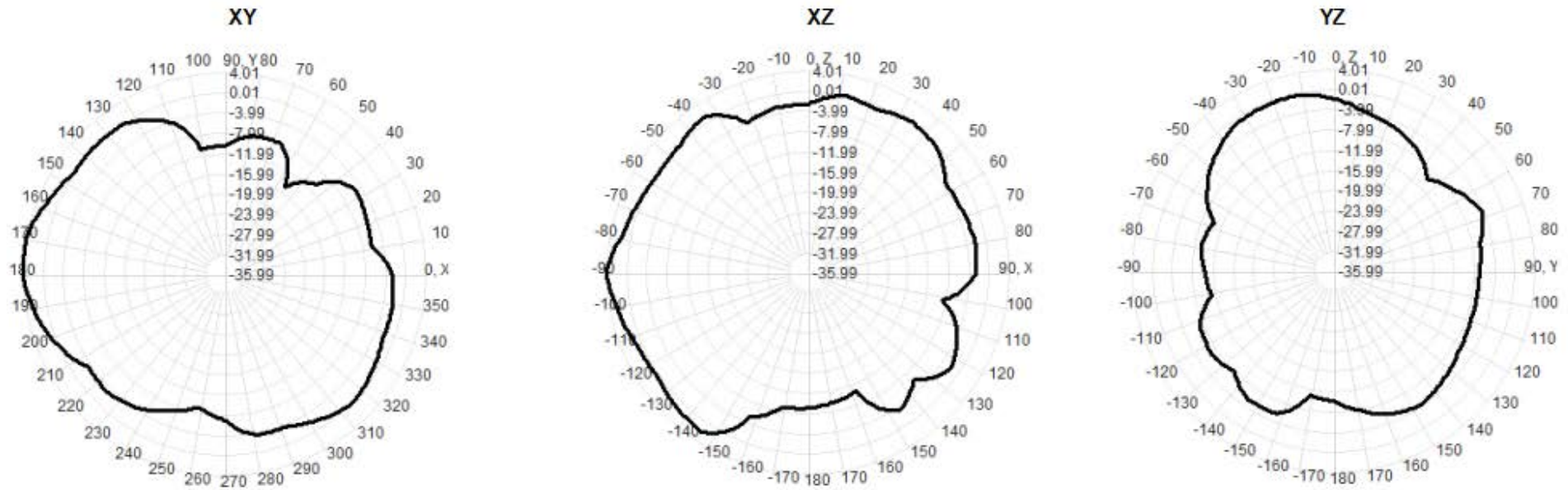


Radiation pattern: Antenna 3D Pattern at $f = 2402\text{MHz}$

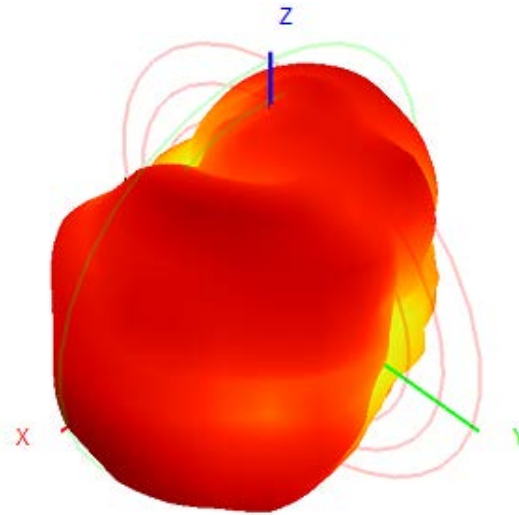
Coordinate System Reference: Antenna-RX



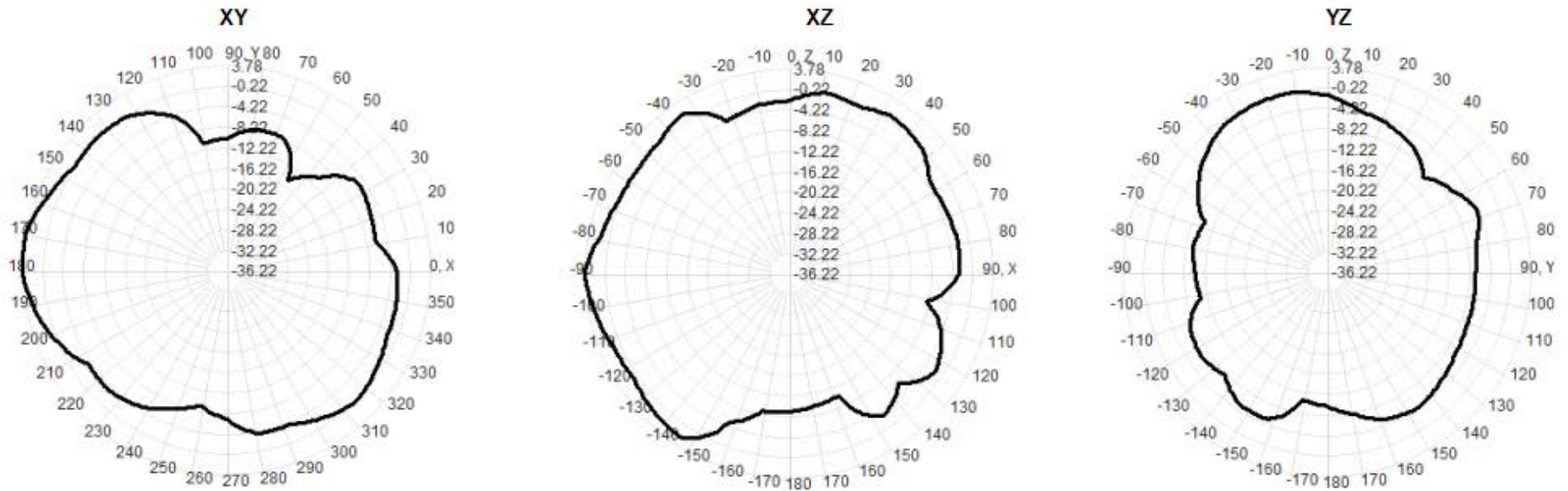
Radiation pattern: Antenna 2D Pattern at $f = 2402\text{MHz}$



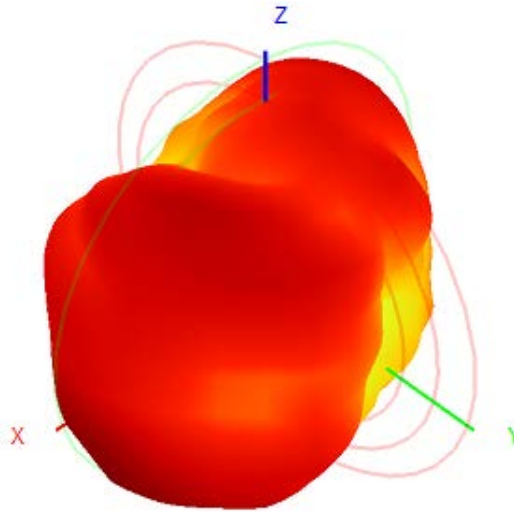
Radiation pattern: Antenna 3D Pattern at $f = 2404\text{MHz}$



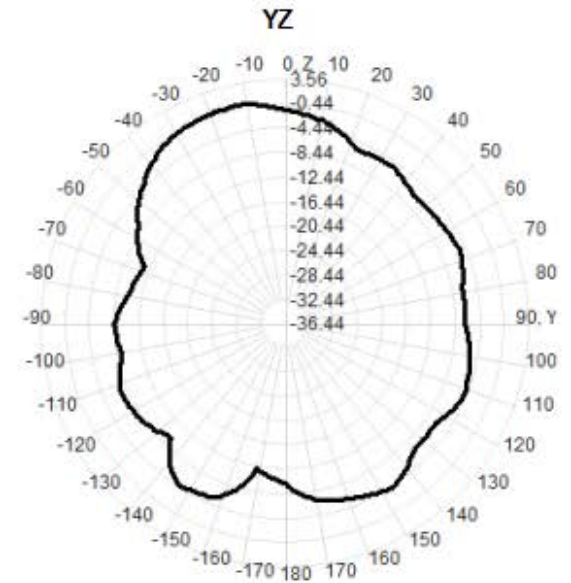
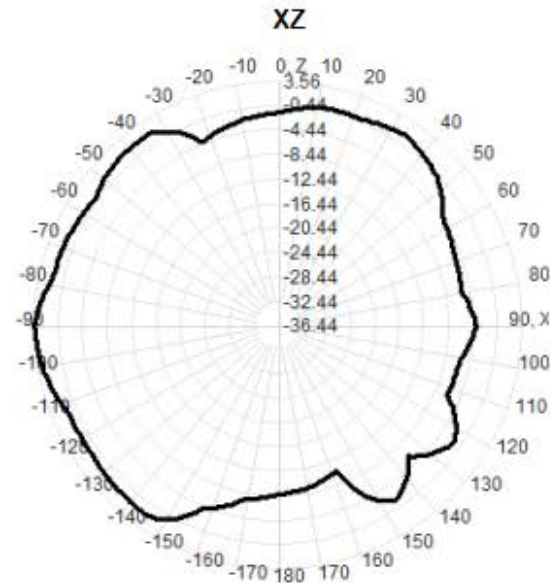
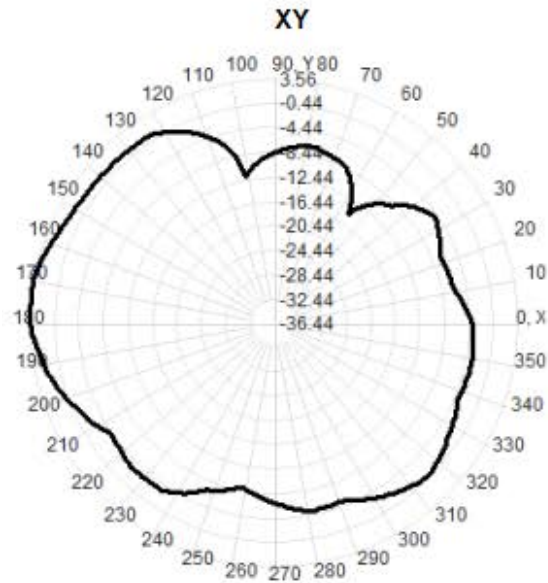
Radiation pattern: Antenna 2D Pattern at $f = 2404\text{MHz}$



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

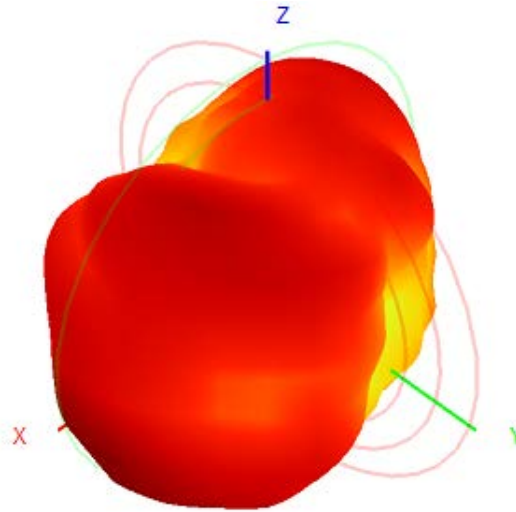


Radiation pattern: Antenna 2D Pattern at $f = 2440\text{MHz}$

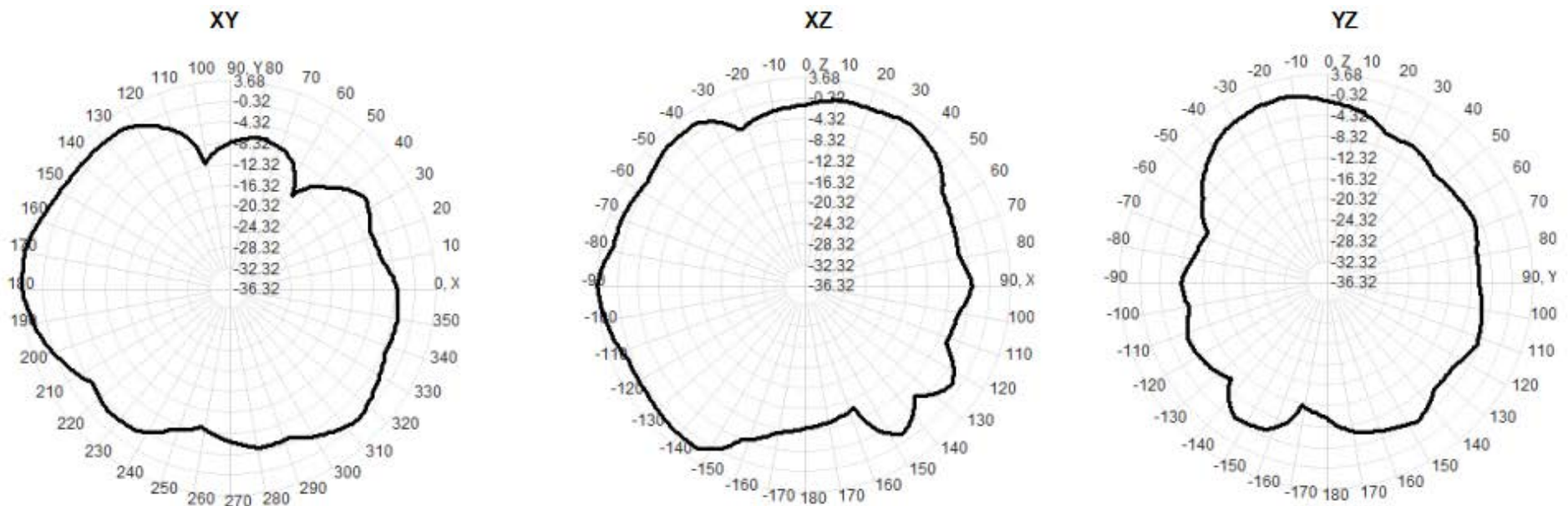


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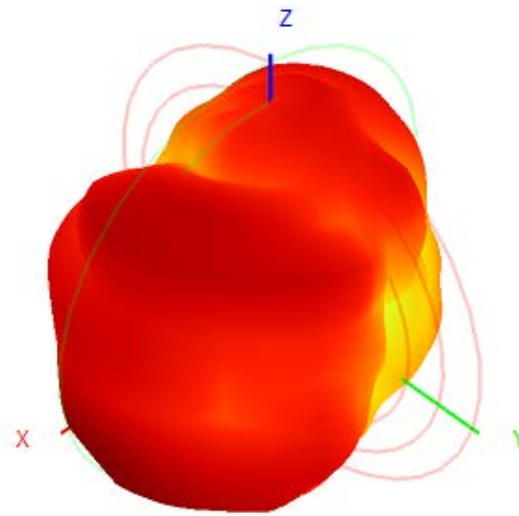
Radiation pattern: Antenna 3D Pattern at $f = 2441\text{MHz}$



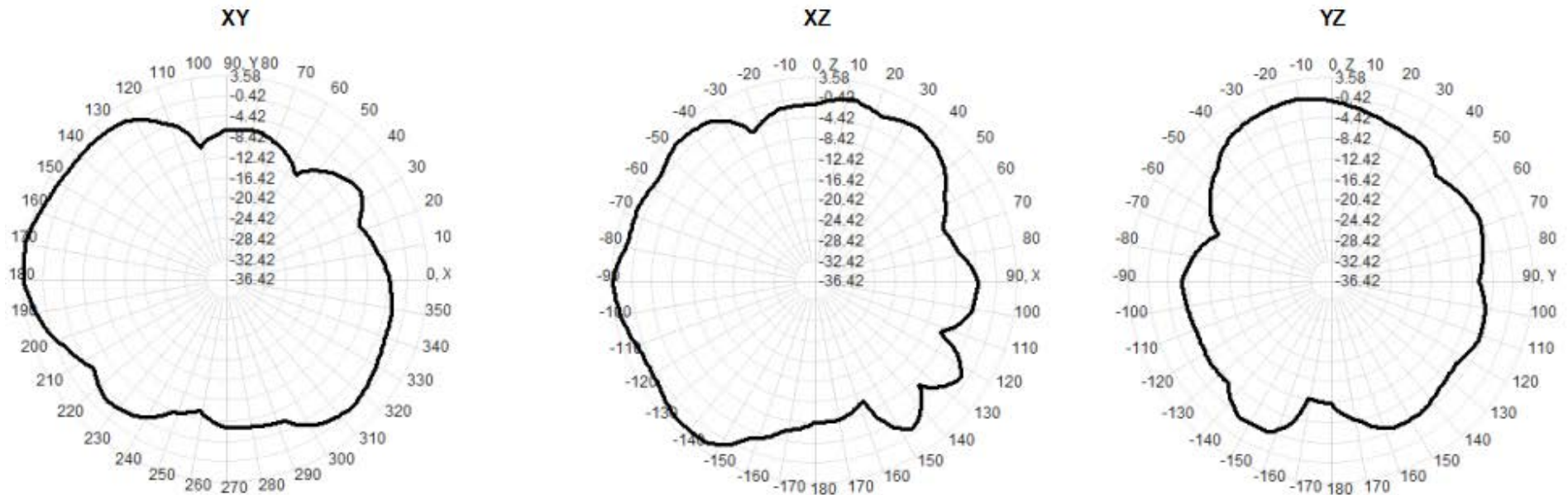
Radiation pattern: Antenna 2D Pattern at $f = 2441\text{MHz}$



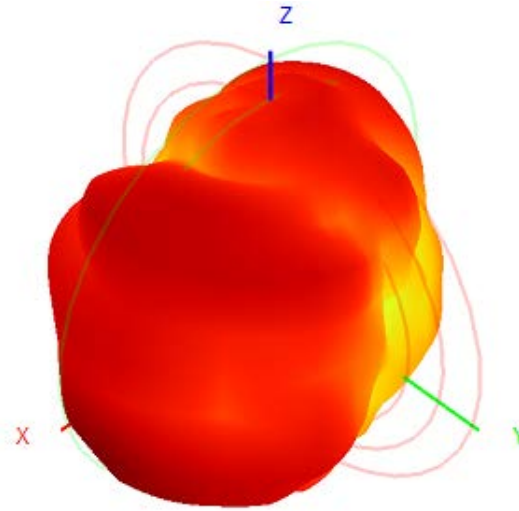
Radiation pattern: Antenna 3D Pattern at $f = 2472\text{MHz}$



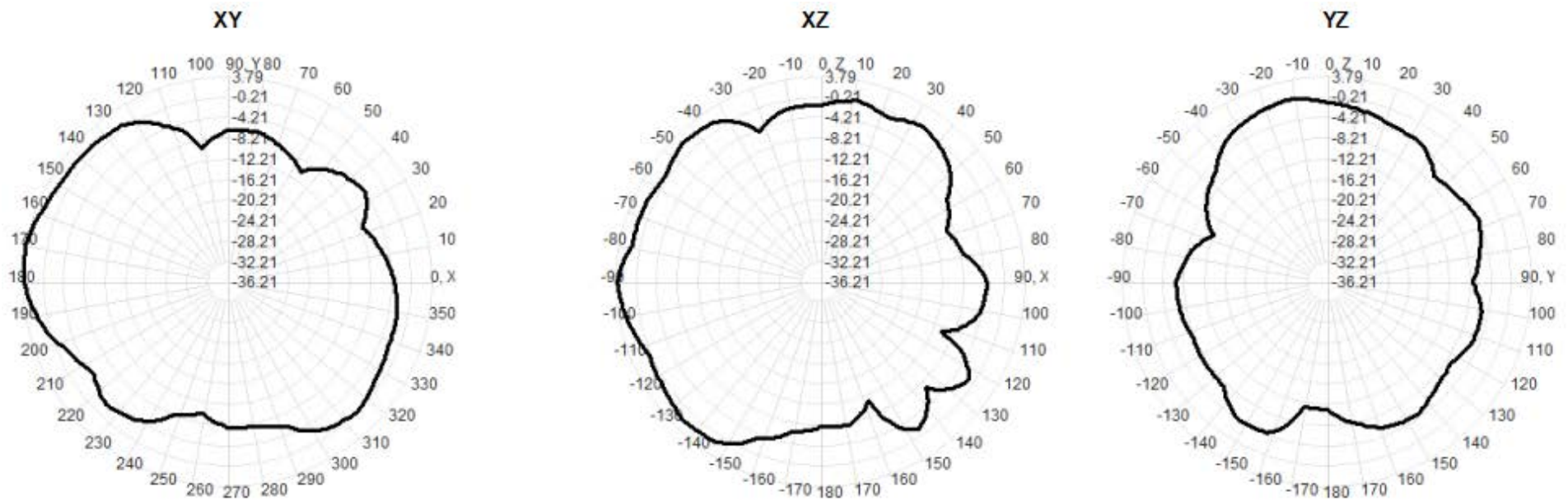
Radiation pattern: Antenna 2D Pattern at $f = 2472\text{MHz}$



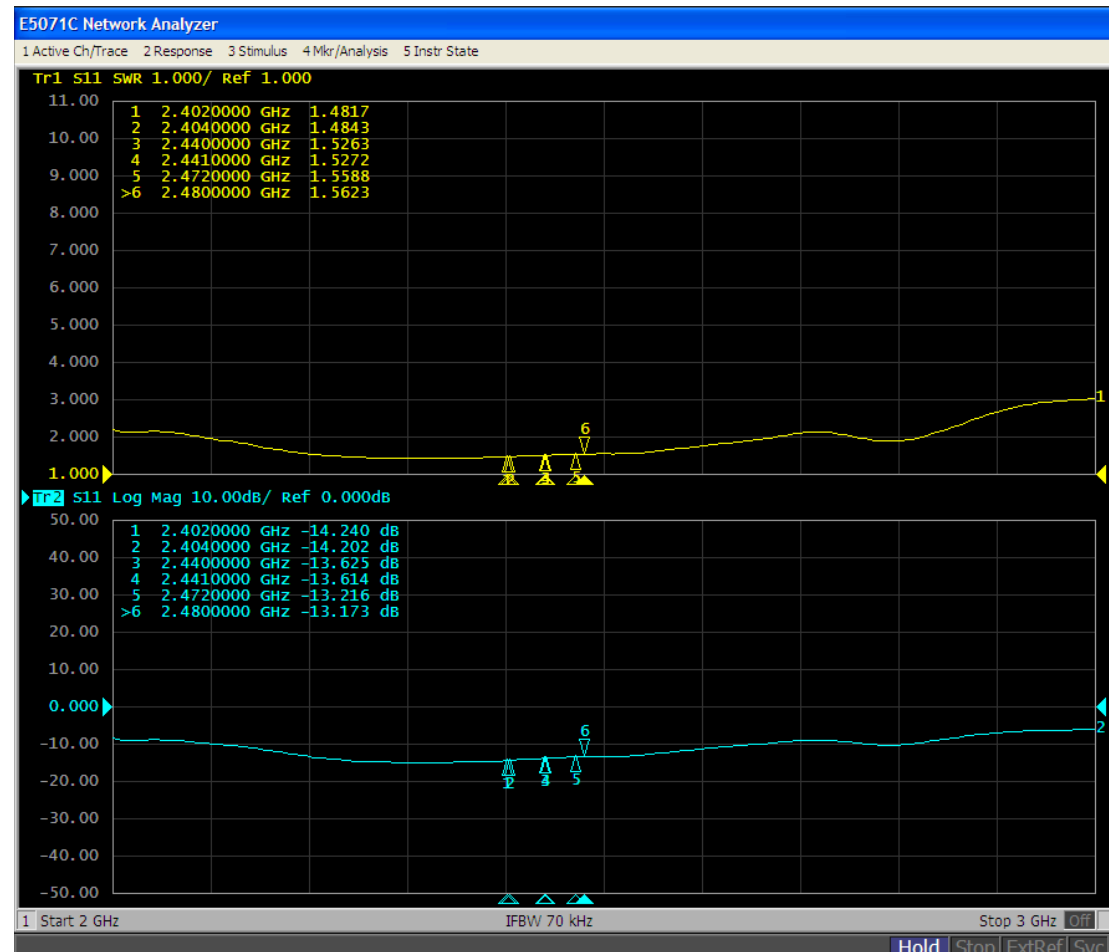
Radiation pattern: Antenna 3D Pattern at $f = 2480\text{MHz}$



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)	-0.31	-0.28	-0.14	-0.17	-0.28	-0.39
Efficiency (%)	54.12	55.00	55.63	54.93	54.13	53.16

1	2	3	4	5	6	7	8																								
HF ☐ RoHS ☒ REACH ☐ CONFIDENTIAL 焊接區 (OSP) 布線區					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">SIGN</th> <th style="width: 15%;">DATE</th> <th style="width: 40%;">DESCRIPTION</th> <th style="width: 30%;">APPROVER</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>			SIGN	DATE	DESCRIPTION	APPROVER																				
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0.133mm MIN(不包括离型纸厚度)																															
备注: - 材质: FPC T=0.133mm MIN (不包括离型纸厚度) - 颜色/表面处理: OSP; 正面过黑油;白色印字 - 尺寸: 带*为重点尺寸;带Cpk尺寸需做制程能力管控(≥ 1.33) - 公差: 未标注公差请参照标准公差.					Tengxiang Electronics Co., Ltd. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4">TITLE: FPC</td> </tr> <tr> <td colspan="2">PART NO.: AN2400-FPC225114</td> <td colspan="2">CUSTOMER P/N: /</td> </tr> <tr> <td>APP BY</td> <td>CHK BY</td> <td>RF BY</td> <td>DES BY</td> </tr> <tr> <td></td> <td></td> <td></td> <td>SYT 2025.04.19</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"> UNITS: mm SCALE: 1/1 REVISION: A </td> </tr> <tr> <td colspan="2"></td> <td colspan="2"> Tolerance X.X ±0.1 X.XX ±0.05 X* ±1 </td> </tr> </table>			TITLE: FPC				PART NO.: AN2400-FPC225114		CUSTOMER P/N: /		APP BY	CHK BY	RF BY	DES BY				SYT 2025.04.19			UNITS: mm SCALE: 1/1 REVISION: A				Tolerance X.X ±0.1 X.XX ±0.05 X* ±1	
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