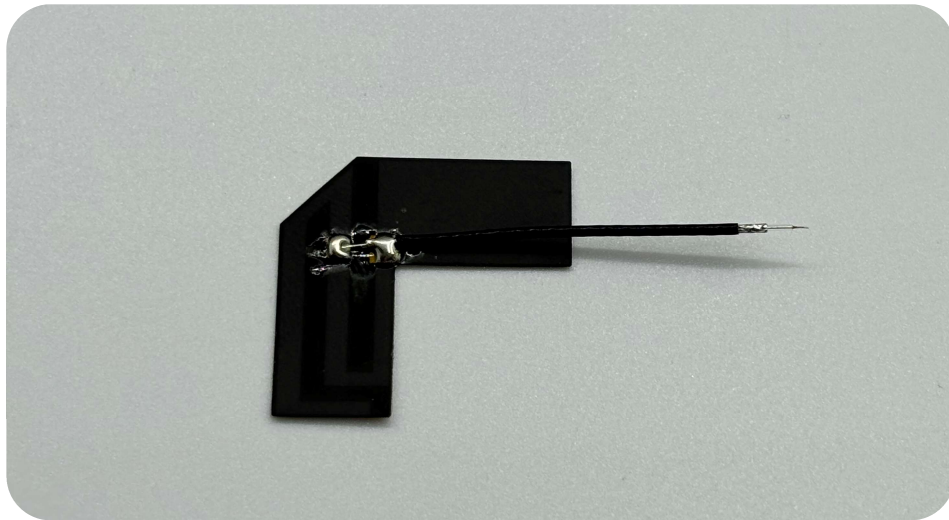


SPECIFICATION



1 、主要部件组成 Part specification

产品名称：蓝牙天线		型号 Part no：HC-ANT-AR24503533
1	连接器 Connector Type	-
2	连接器镀层 Connector Coating	浸锡
3	线材 Cable Type	RG0.81
4	背胶 Gum	3M-300SLE
6	特殊工艺 Technology	-
7	辐射阵子 Radiating Element	FPC

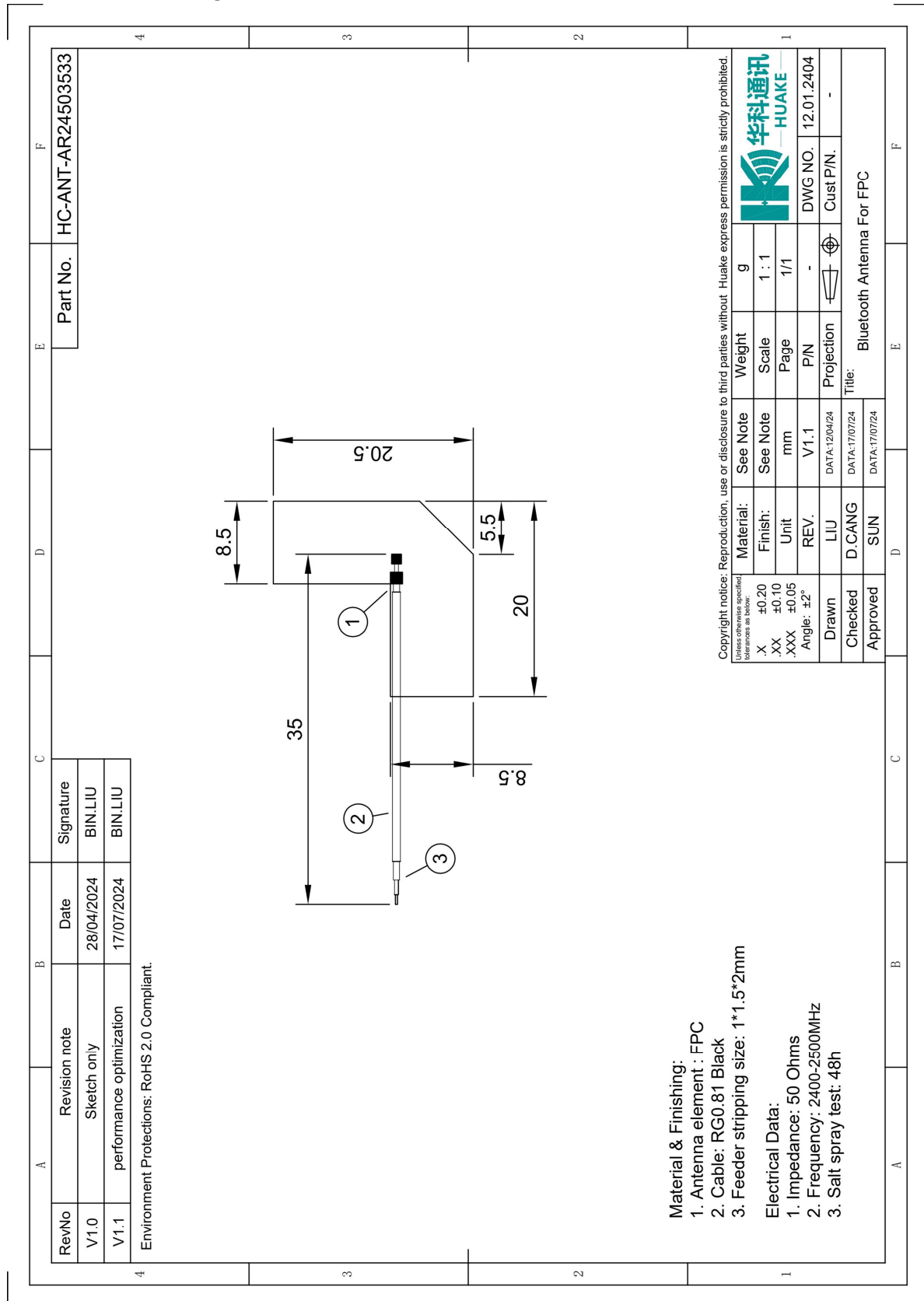
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2、特性参数 Pharacteristic parameter

频率范围 Frenquency Rang	2400-2500MHz
输入阻抗 Impedance	50Ω
辐射方向 Radiation	全向
极化方式 Polarization	Line
镀层 Coating	镀黑
天线高度 Height	20.5*20mm
馈线长度 Cable Length	35mm
工作温度 working Temperature	-45- + 85℃
存储温度 Storage Temperature	-45- + 85℃
适用频段 Applicable Band	WiFi、BT
湿度 Humidity	< 95%
安装方式 Installation mode	粘贴、焊接

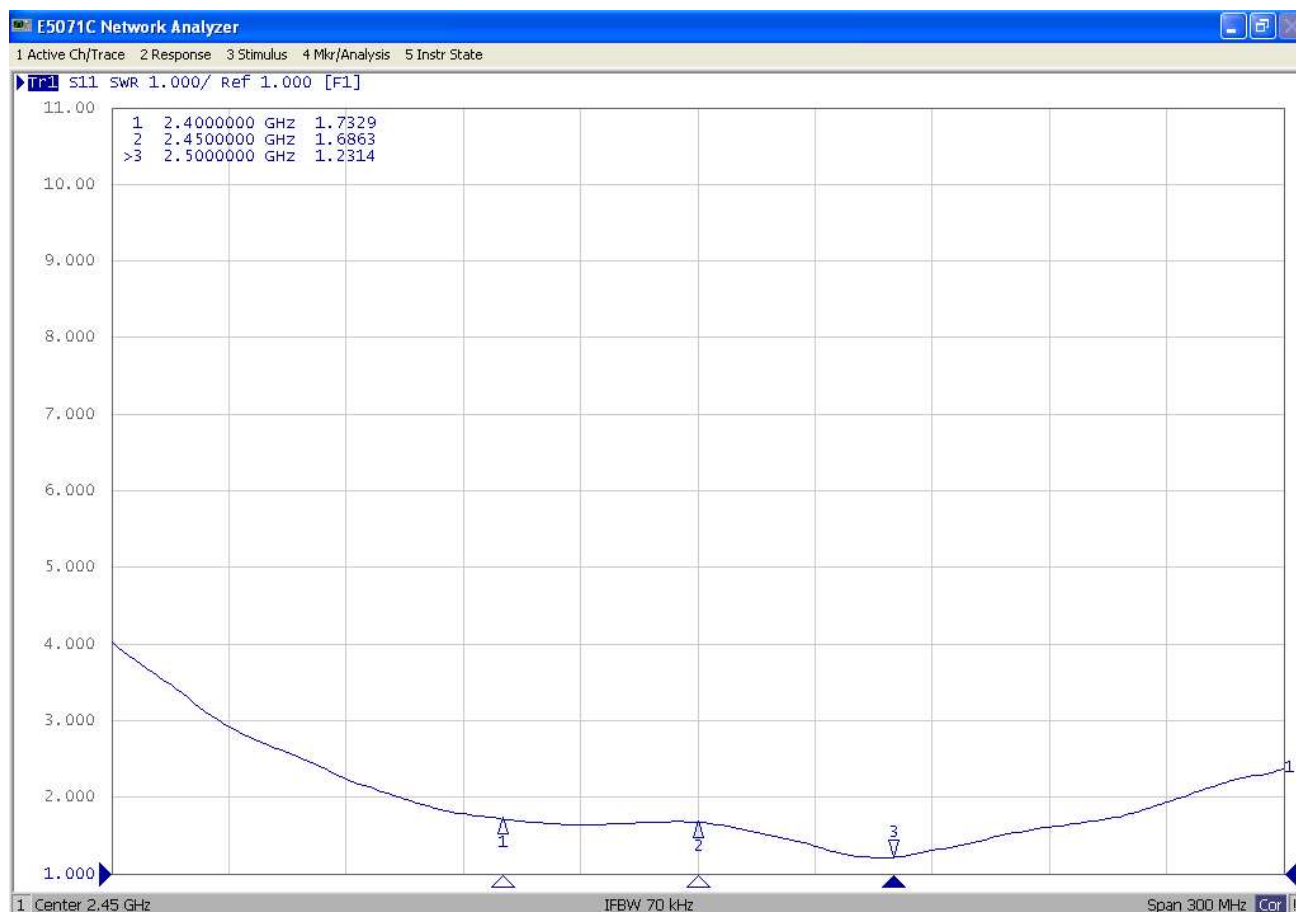
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3、尺寸规格 Drawing



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4、电性能测试 VSWR experiment



频点 (MHz)	驻波比值	驻波比误差范围			
		参考值	判定	参考值	判定
2400MHz	1.73	≤2.0	合格	> 2.0	不合格
2450 MHz	1.68	≤2.0	合格	> 2.0	不合格
2500 MHz	1.23	≤2.0	合格	> 2.0	不合格
测试仪器：网络分析仪 5071C		测试环境： -		匹配终端： -	

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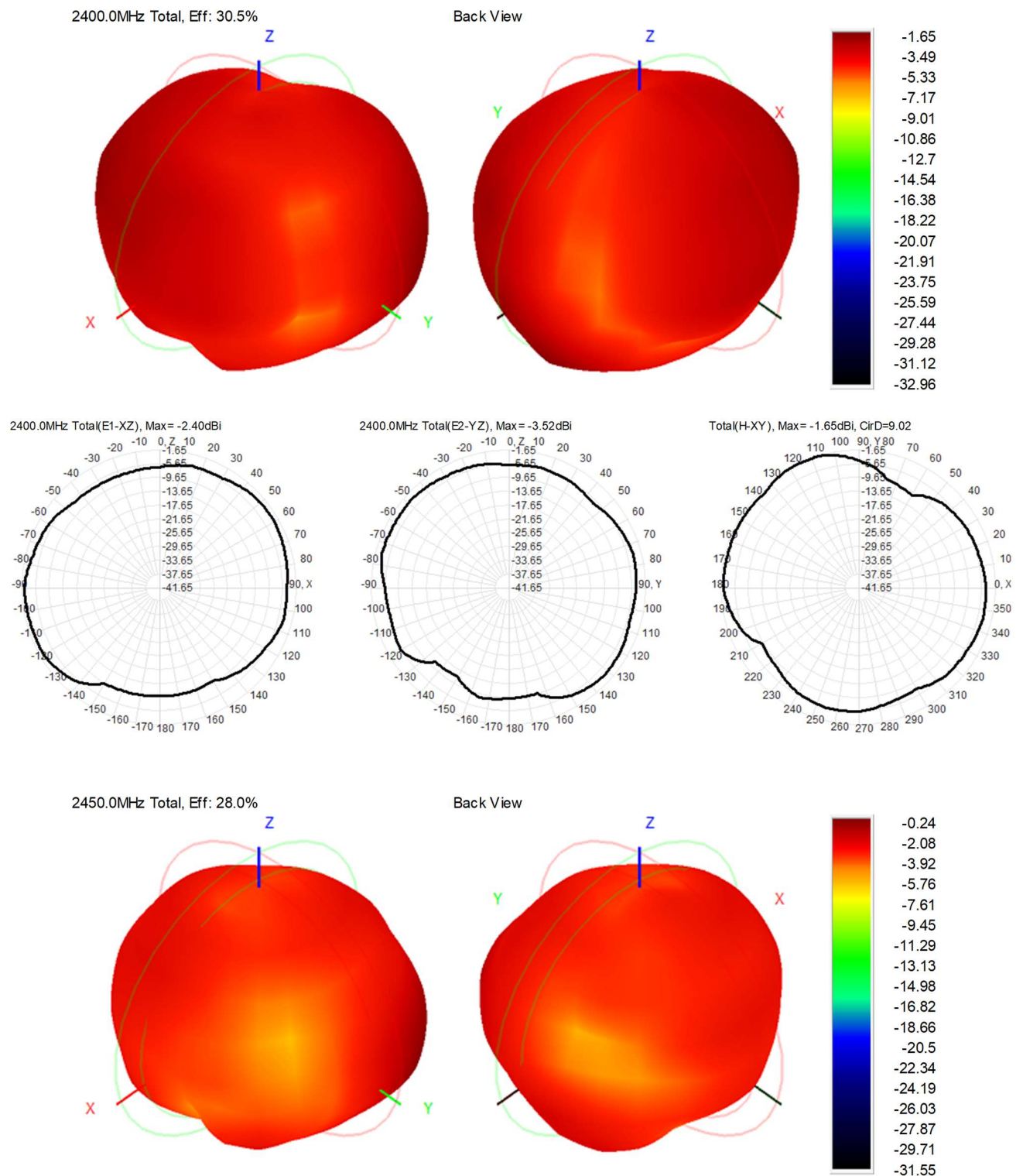
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5、增益与效率 Gain、Efficiency t

Item	Frequency(MHz)	Gain(dBi)	Efficiency(%)
1	2400	-1.65	30.52
2	2410	-1.56	29.85
3	2420	-1.05	29.89
4	2430	-0.63	29.41
5	2440	-0.42	28.43
6	2450	-0.24	28.01
7	2460	-0.49	26.55
8	2470	-0.89	25.39
9	2480	-1.56	24.09
10	2490	-2.12	23.09
11	2500	-2.40	22.04

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5. 2D&3D Radiation Pattern

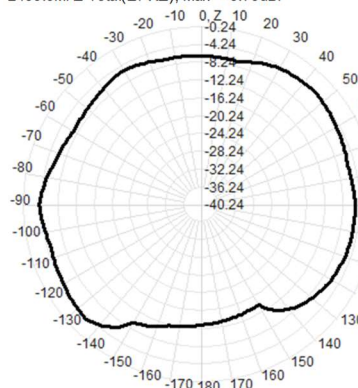


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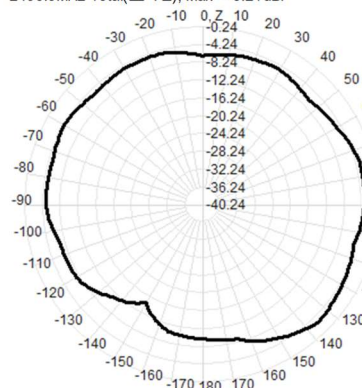
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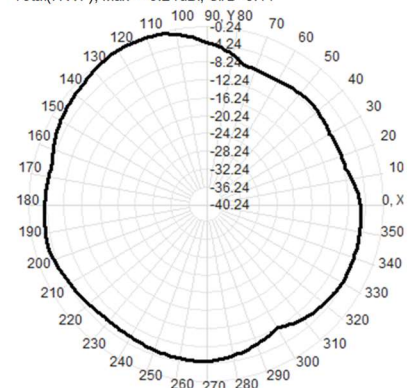
2450.0MHz Total(E1-XZ), Max= -3.75dBi



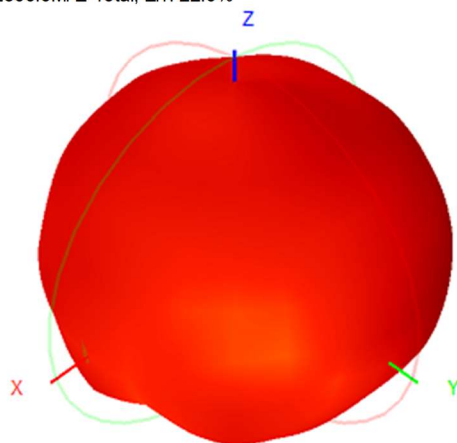
2450.0MHz Total(E2-YZ), Max= -3.21dBi



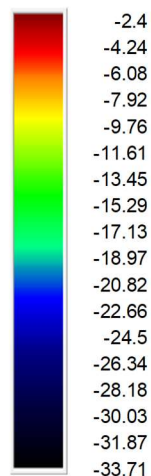
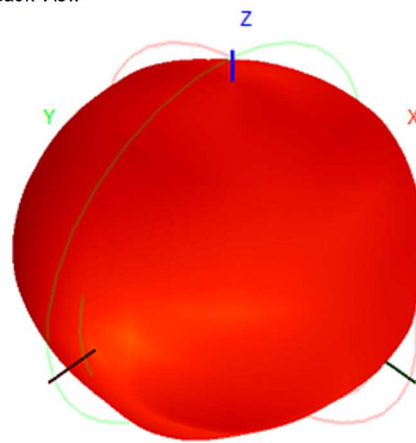
Total(H-XY), Max= -0.24dBi, CirD=8.11



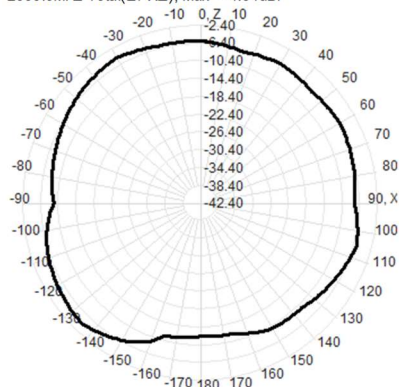
2500.0MHz Total, Eff: 22.0%



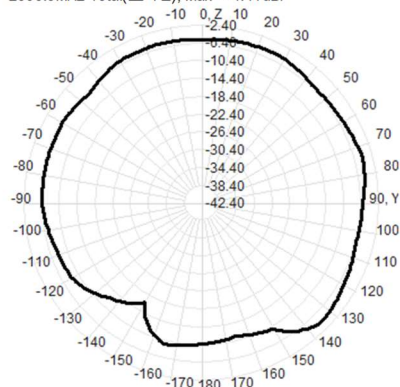
Back View



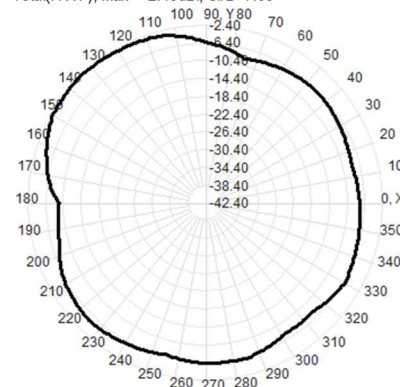
2500.0MHz Total(E1-XZ), Max= -4.54dBi



2500.0MHz Total(E2-YZ), Max= -4.41dBi



Total(H-XY), Max= -2.40dBi, CirD=7.05



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