



ShenZhen Huaxinwei communication technology Co.,Ltd.

Antenna test report

Customer Name: XunRui

Project Name: S6319A

Designer: Li Jun xian

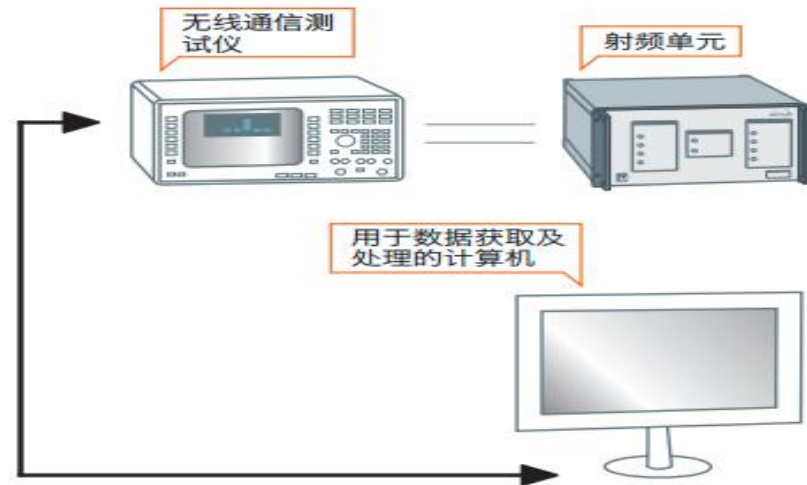
Date: 2023/10/10



The customer name		XunRui	Project Name	S6319A
NO.	project	Detailed above		
1	spectrum	GSM850/900/1800/1900+WCDMA-B18+LTE-B1/3/7/8/19/20/40+GPS/WIFI/BT		
2	Project type	The mobile phone		
3	Antenna space area			
4	Feed point type			
5	The sensitivity			
6	Type of antenna			
7	The length of the PCB board			
8	note	Debugging prototype		
RF		Li Jun xian	1820807601	

1、Test system and test equipment

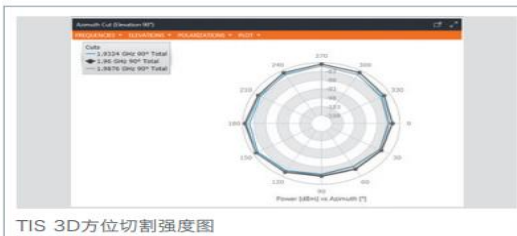
System Brand: MVG(SATIMO) measurement features: gain • pattern beamwidth cross polarization resolution sidelobe level 3D cavity reflectance at any polarization cavity reflectance (line or arc) antenna efficiency TRP, TIS, EIRP and EIS. Frequency band: StarLab 6 GHZ - 650 MHZ to 6 GHZ



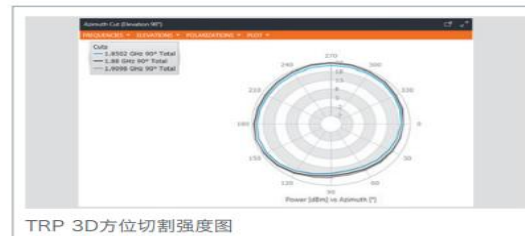
TIS预计测量时间 (一个信道每隔30° 取样)

灵敏度算法 \ 标准	GSM GPRS EDGE	CDMA 1 x RTT 1 x EvDO	WCDMA HSDPA LTE FDD/TDD	Wi-Fi 802.11 a/b/g/n	CTIA 批准方法
RSSI模式+线性化+TIS补偿	8 min		10 min		是
EIS模式+TIS补偿		5 min		5 min	是 ²
快速CDMA		8 min			No
EIRP模式+TIS补偿				10 min	No

1、根据RTC
2、根据协议

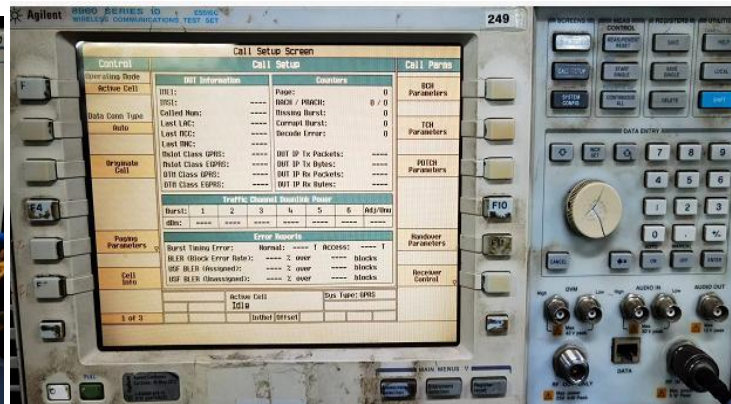


TIS 3D方位切割强度图



TRP 3D方位切割强度图

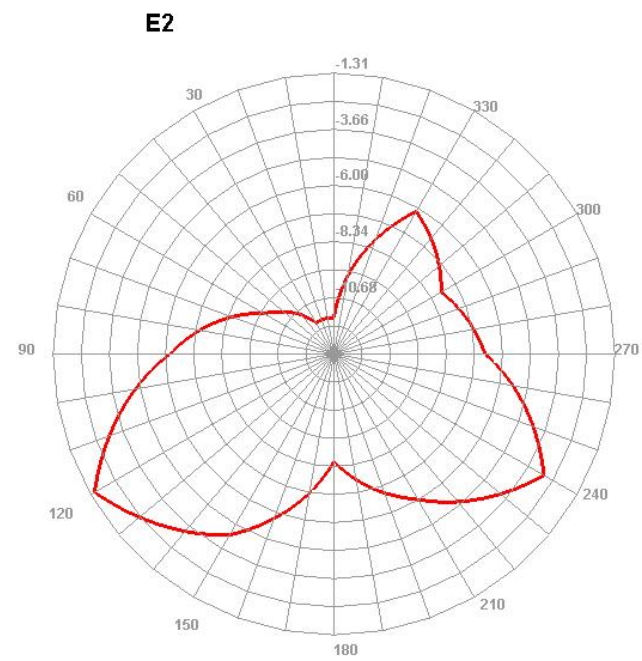
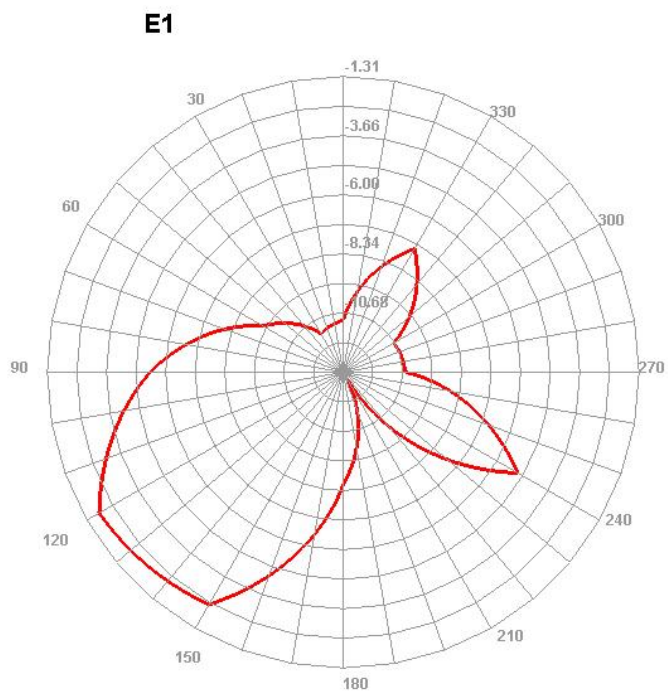
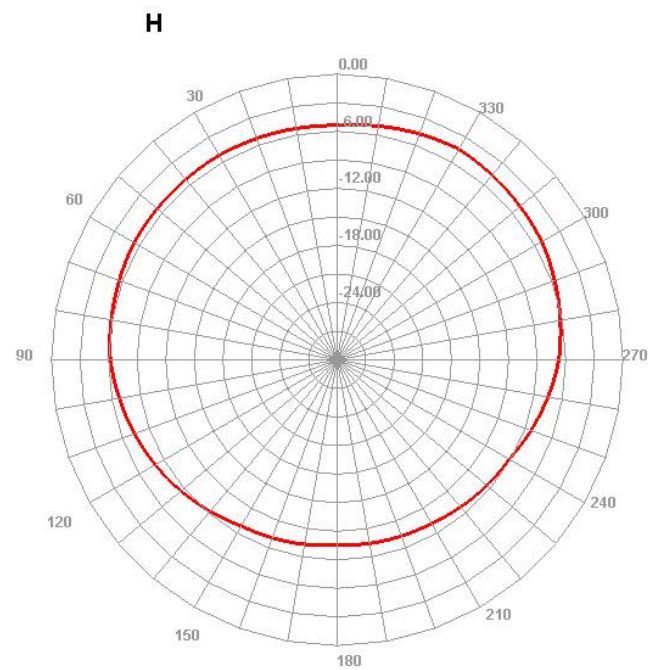
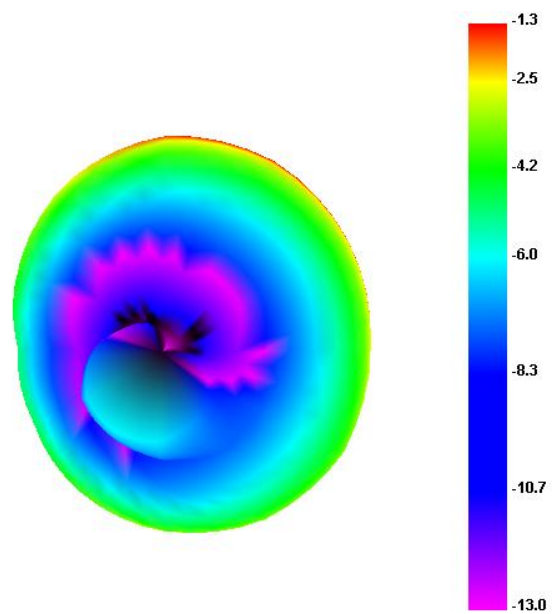
Test Equipment



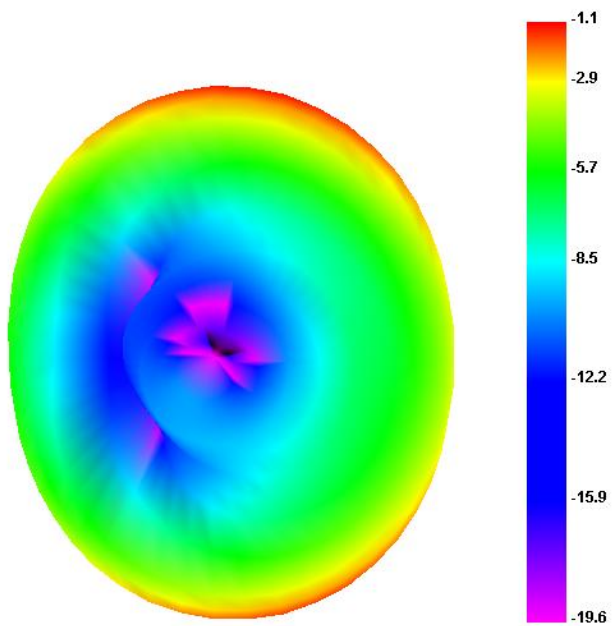
Efficient (2G+3G+4G+2. 4G-WiFi /BT)

GSM天线增益	GSM850: -1.31dBi GSM900: -1.1dBi DCS1800: +1.58dBi PCS1900: +1.75dBi
WCDMA天线增益	W-B2:1.75dBi; W-B4:-1.0dBi; W-B5: -1.31dBi
FDD/TDD频段 天线增益	B1: +1.55dBi B3: +1.58dBi B7: +0.87dBi B8: -1.1dBi B19: -1.31dBi B20: -1.4dBi B40: 1.38dBi
2.4G-WIFI天线增益	+1.02dBi
BT天线增益	+1.02dBi
GPS天线增益	+1.19dBi

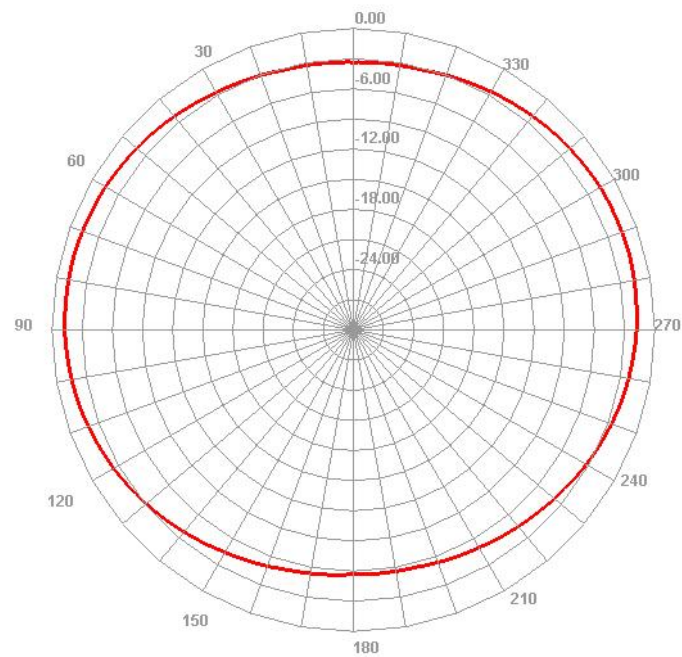
GSM 850



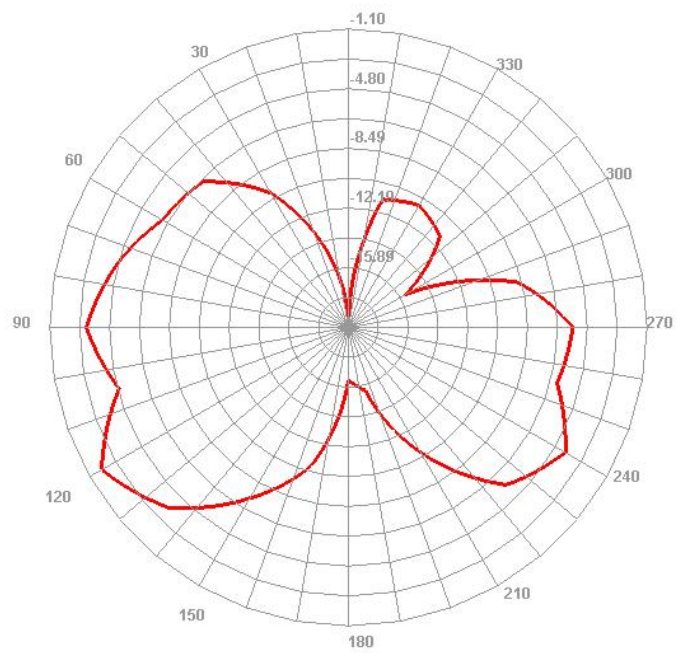
GSM900



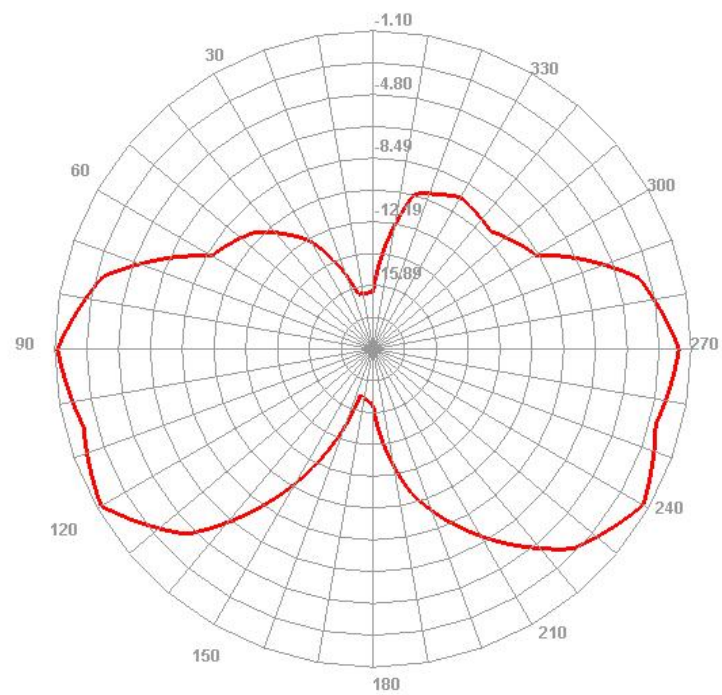
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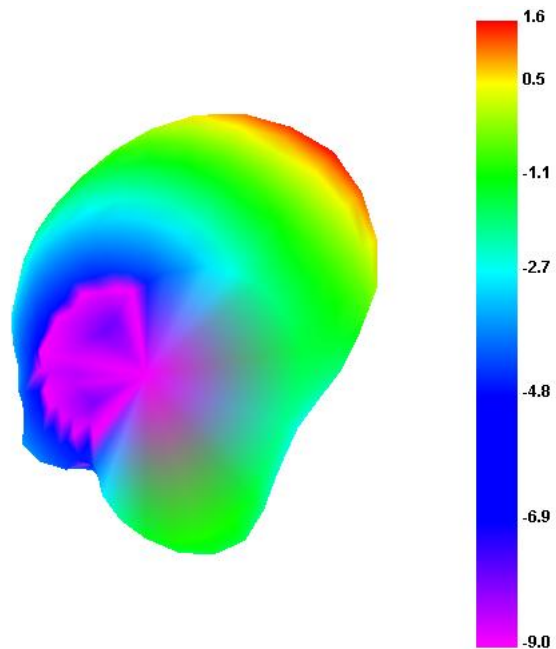
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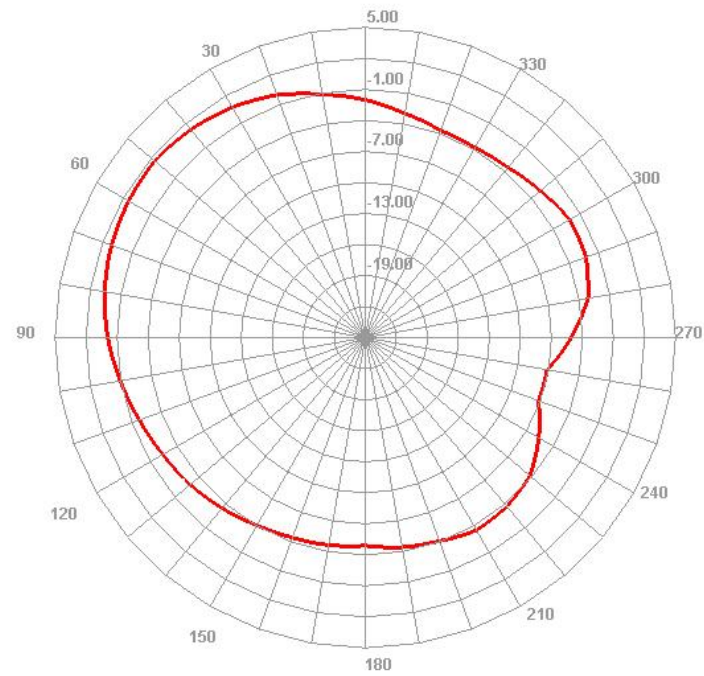
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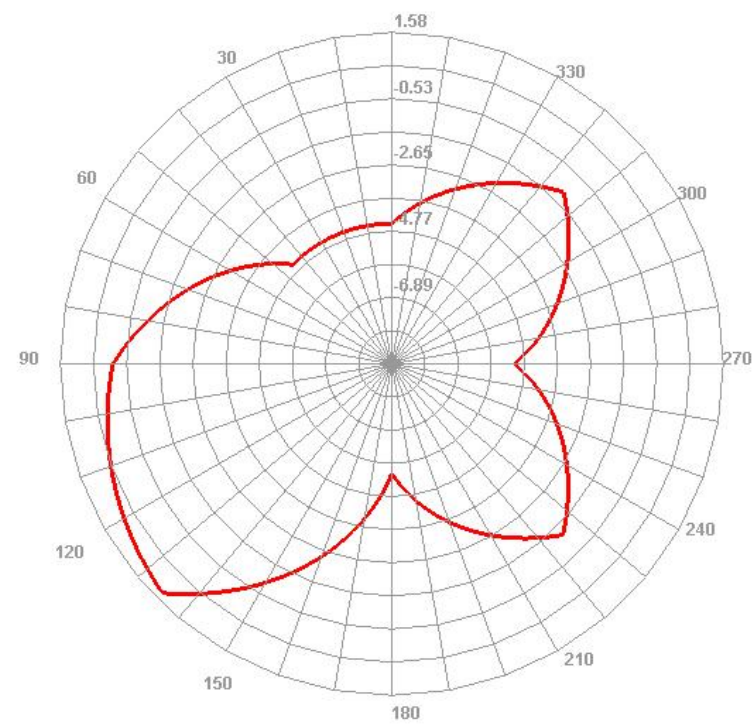
DCS1800



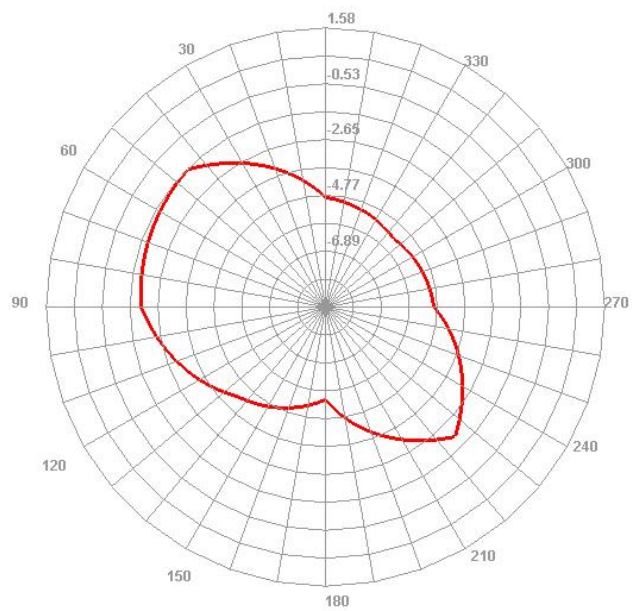
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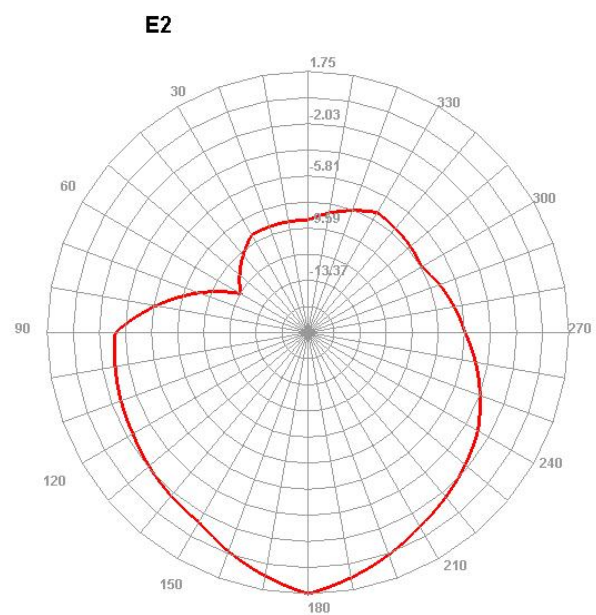
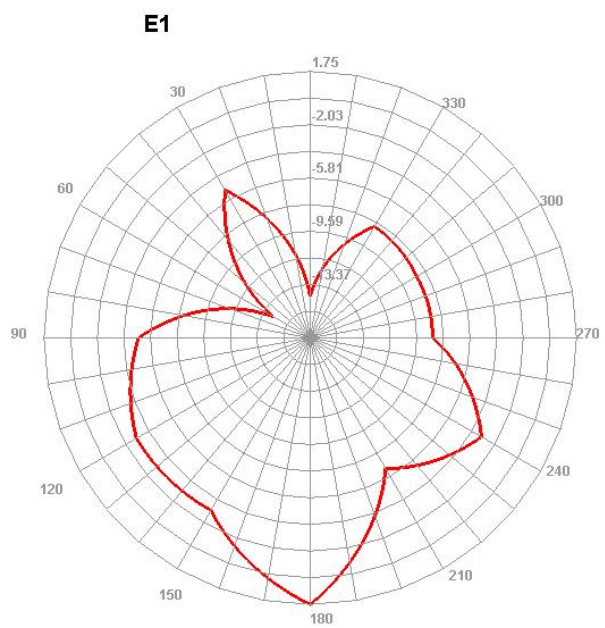
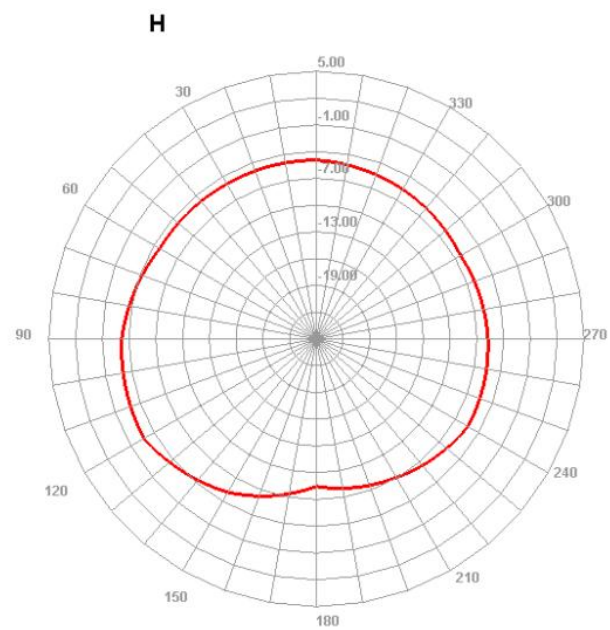
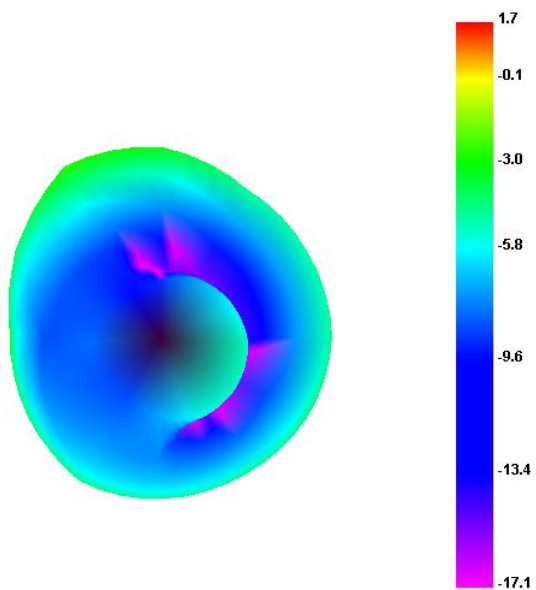
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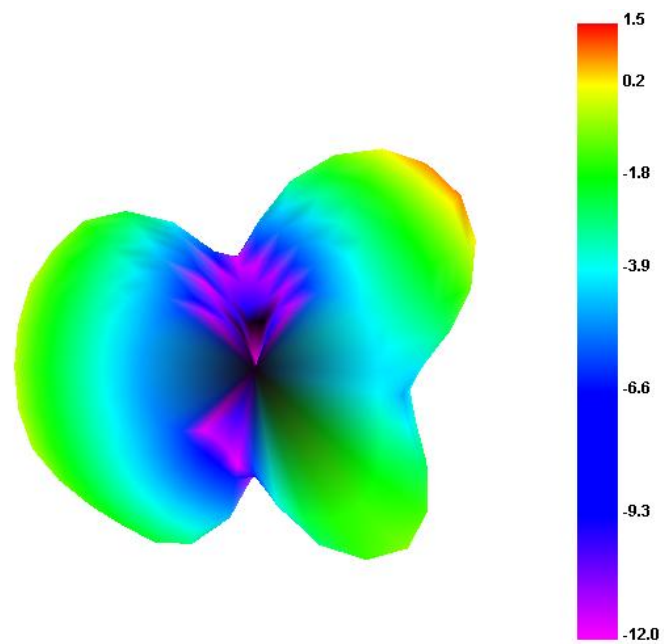
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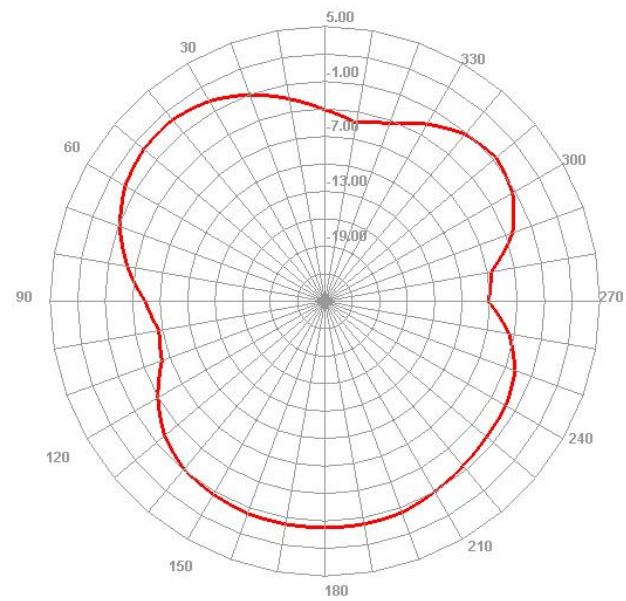
PCS1900



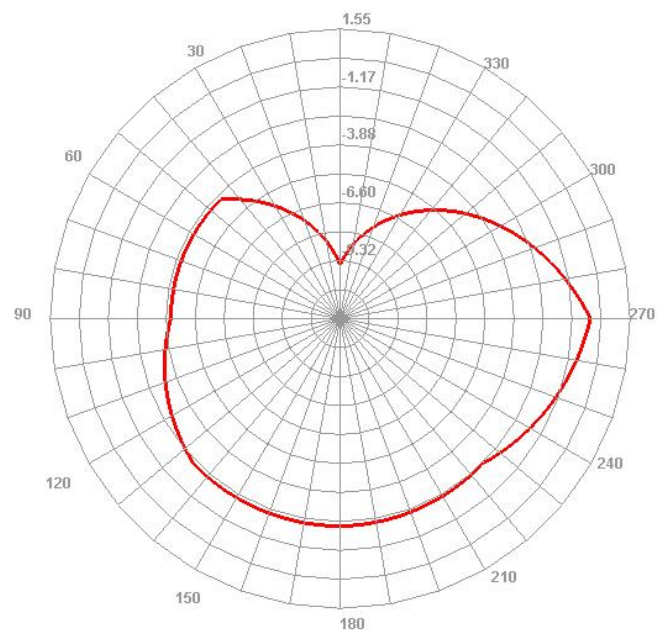
W2100



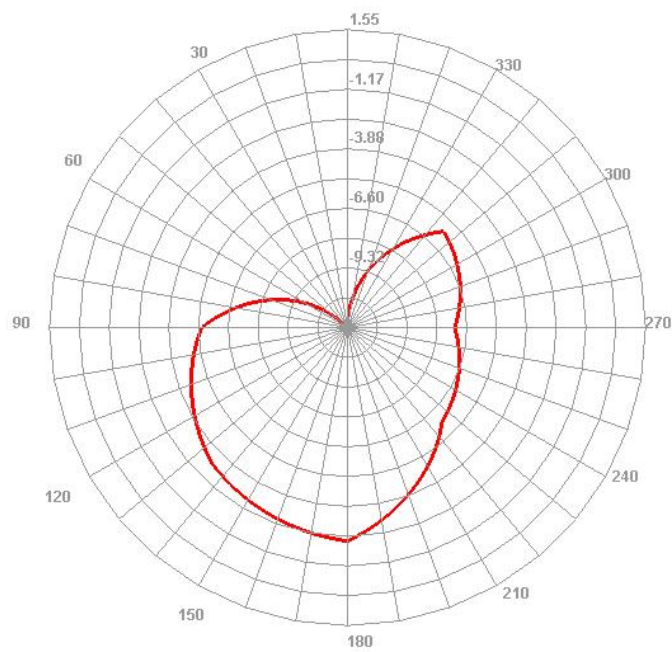
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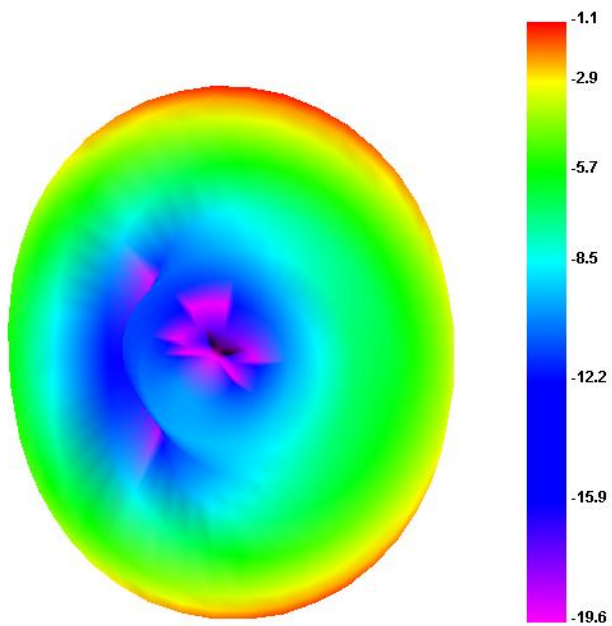
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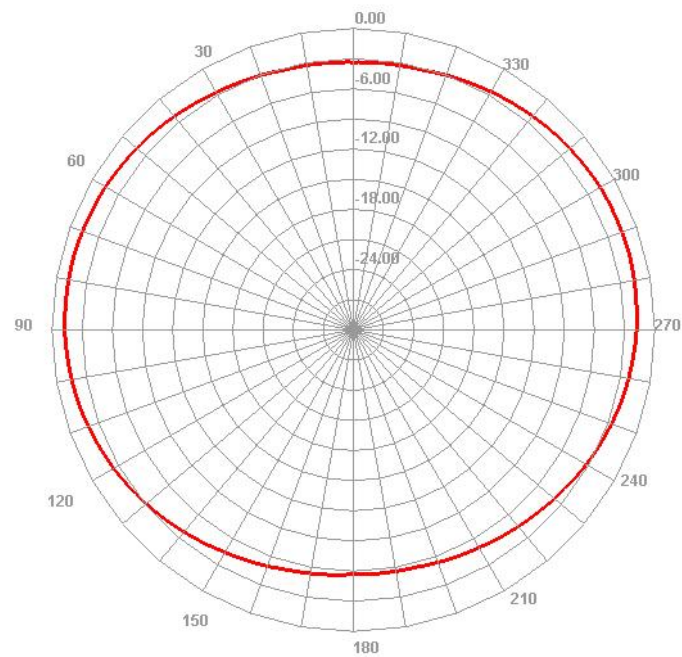
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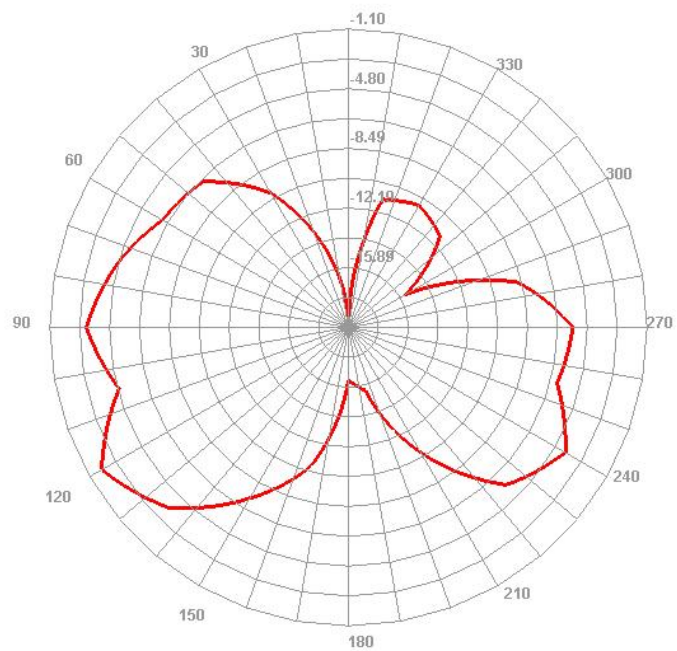
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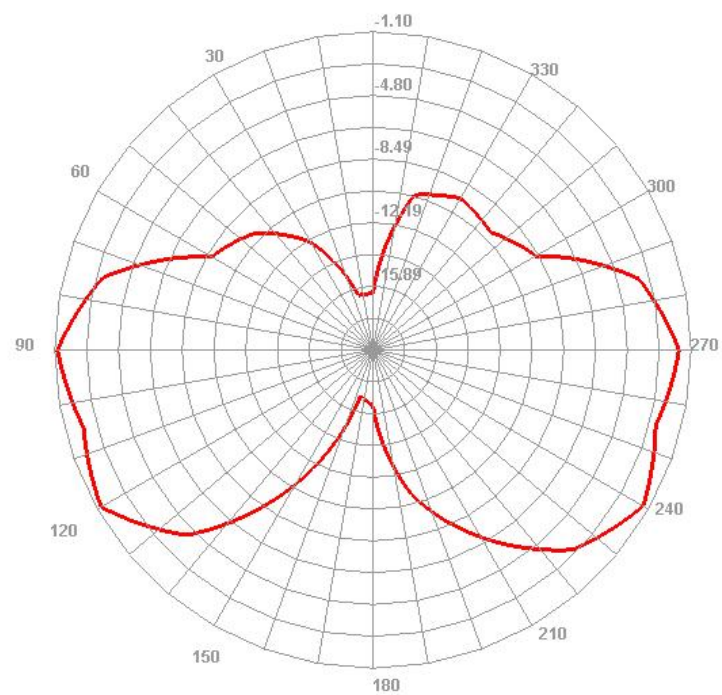
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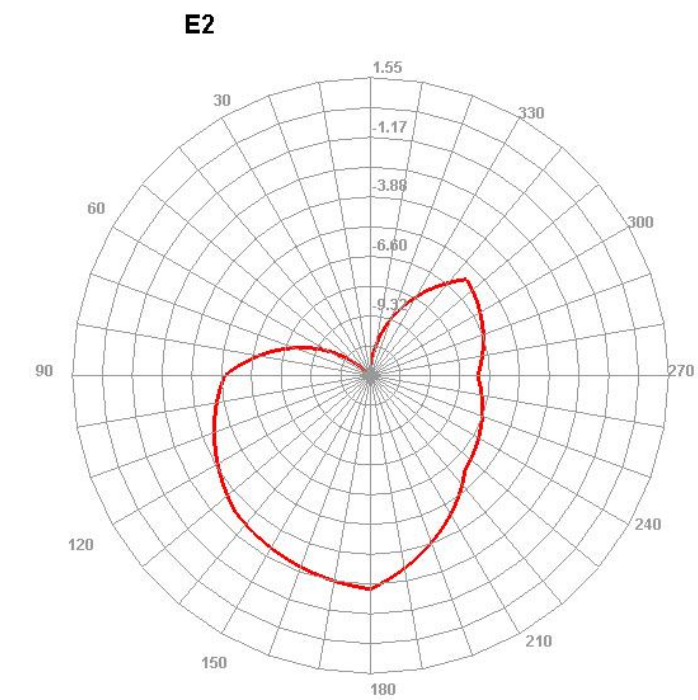
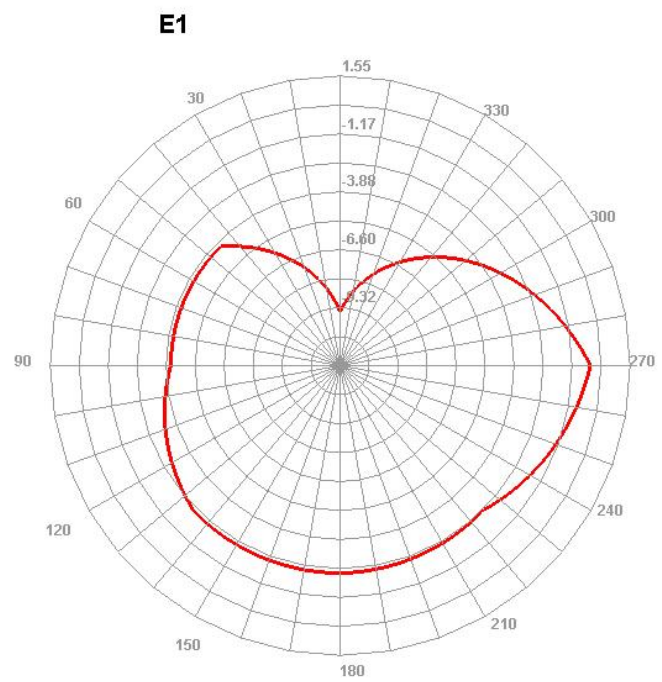
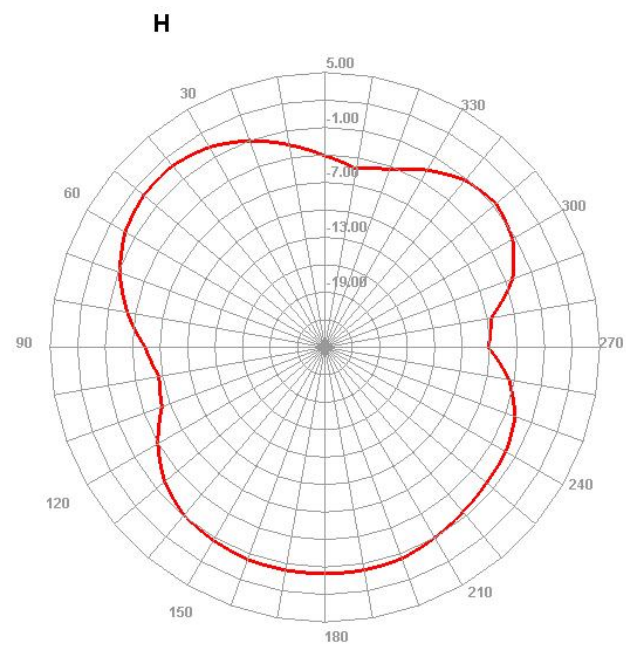
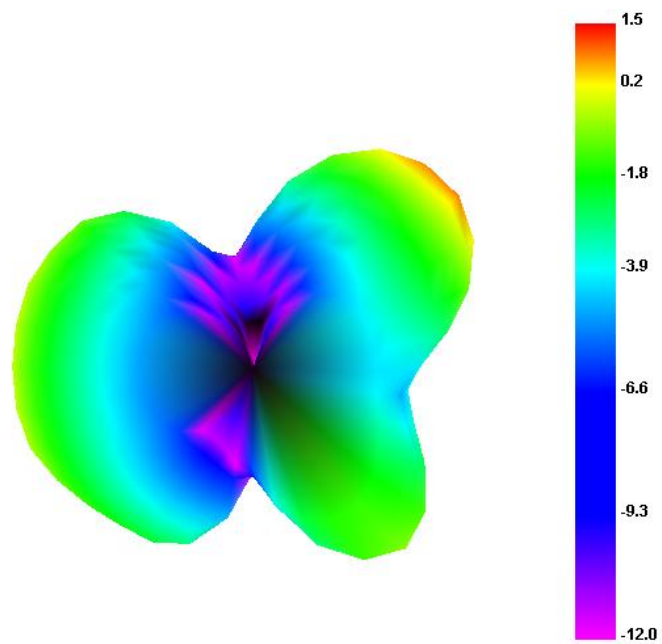
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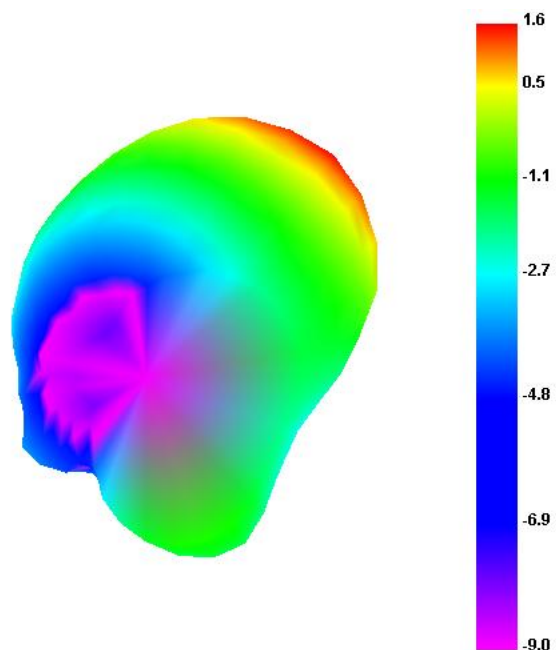
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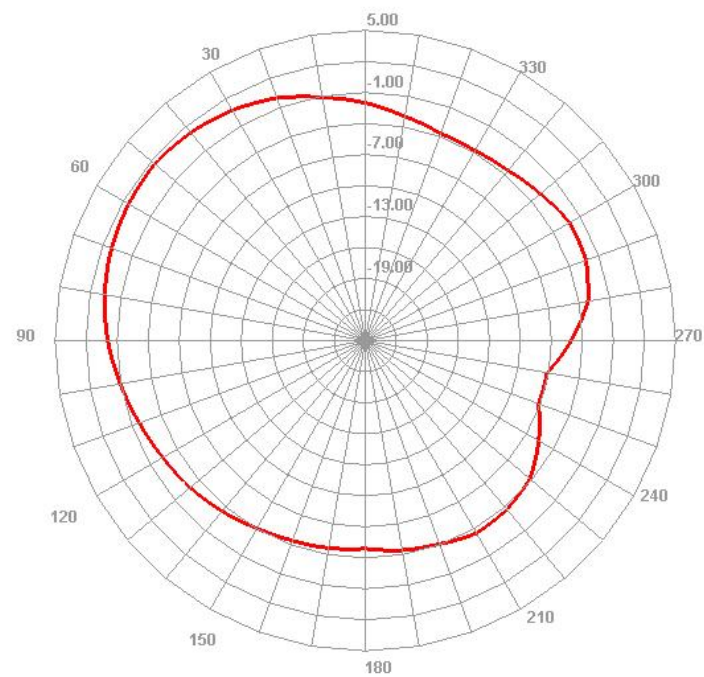
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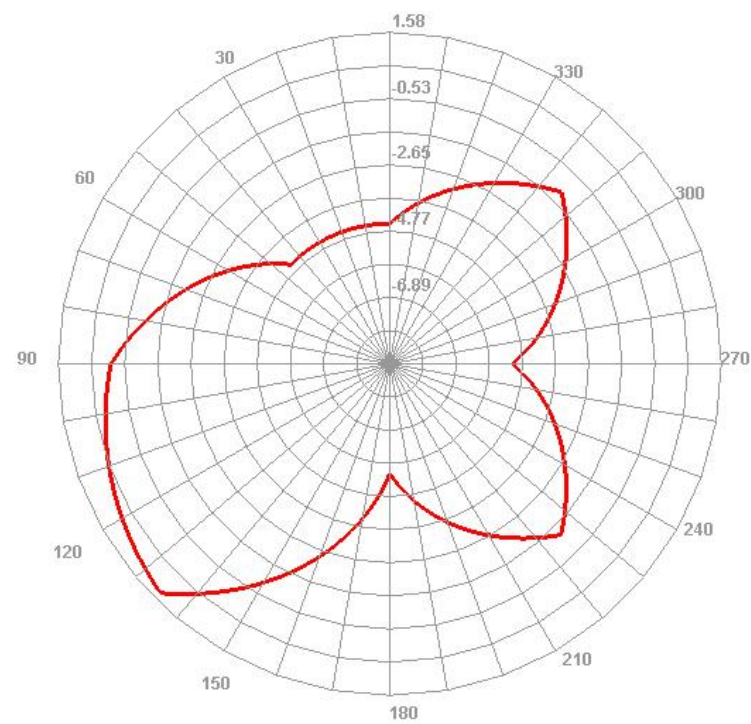
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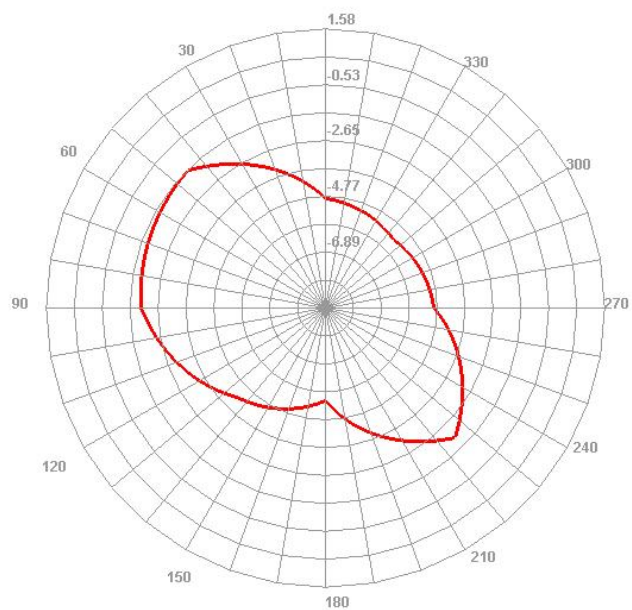
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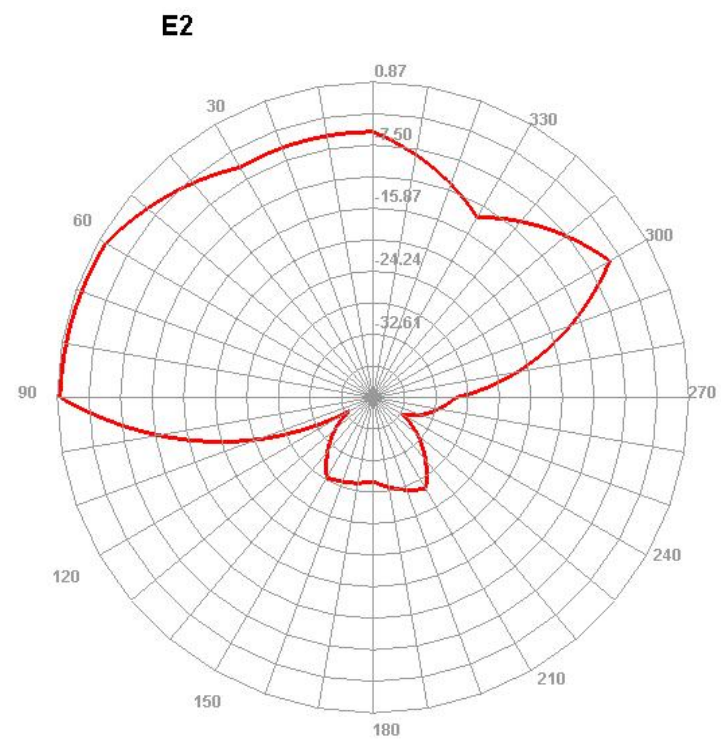
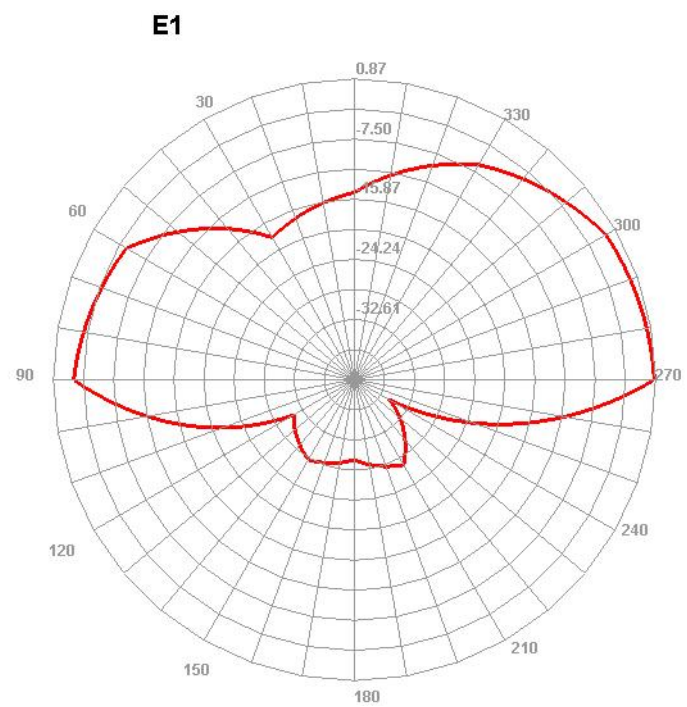
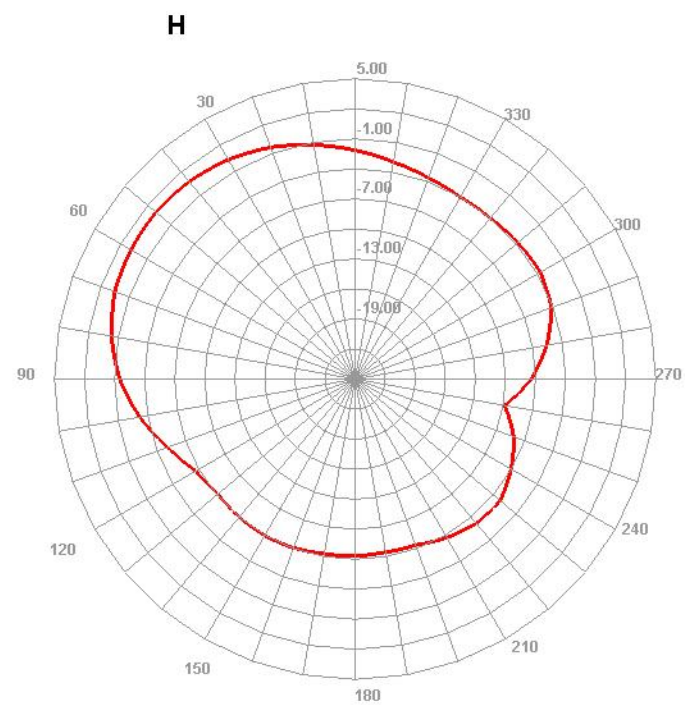
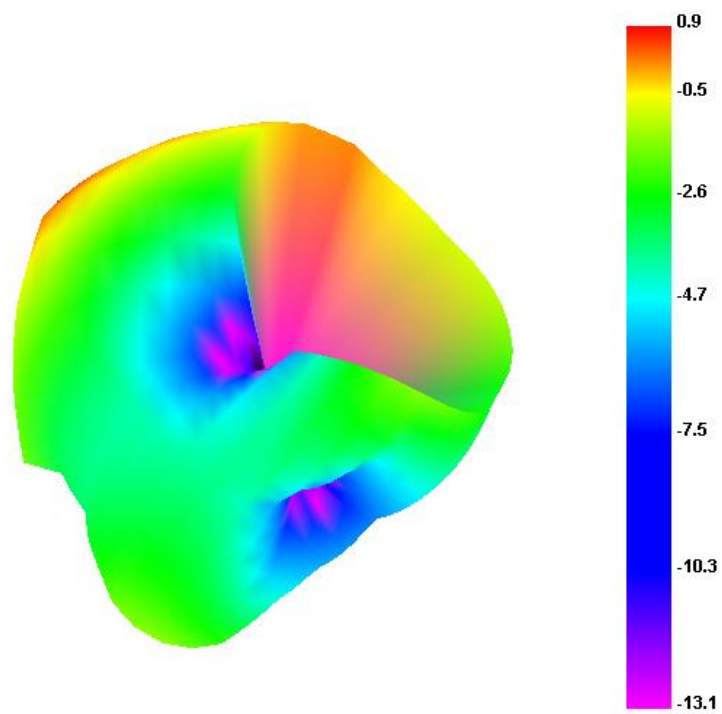
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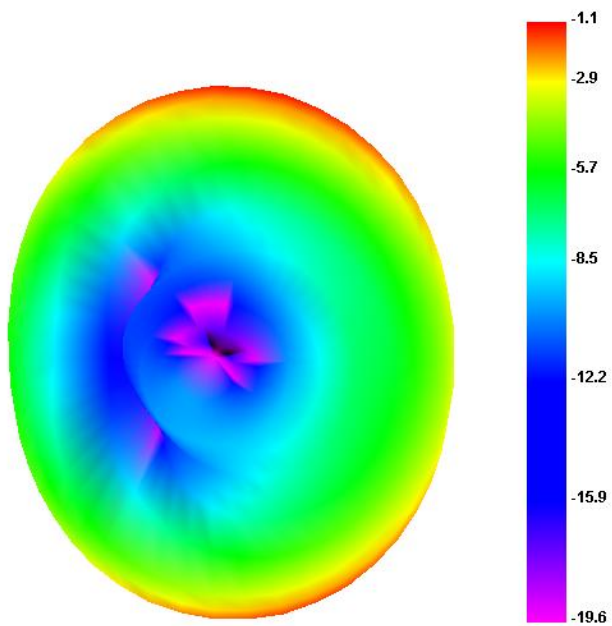
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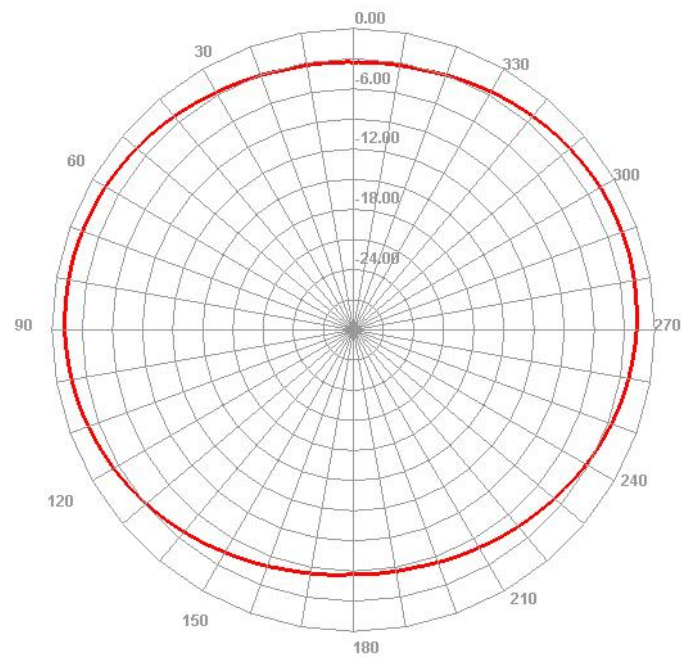
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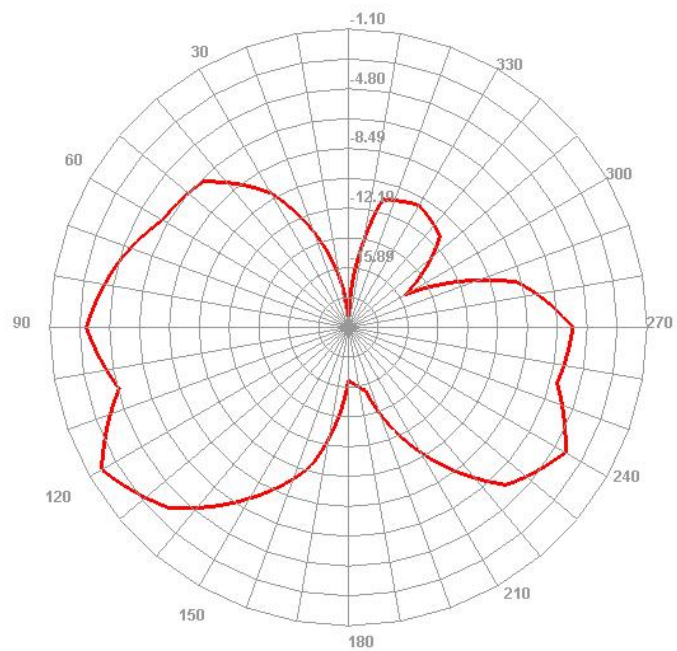
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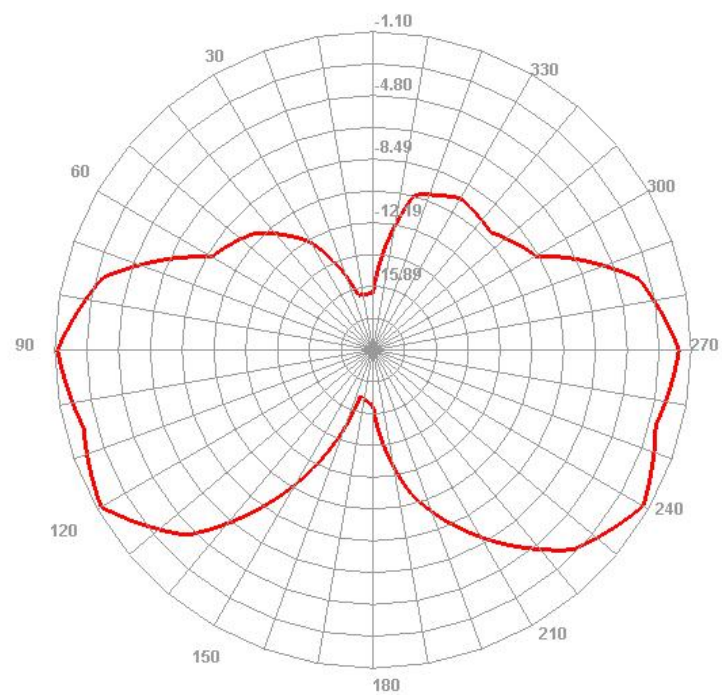
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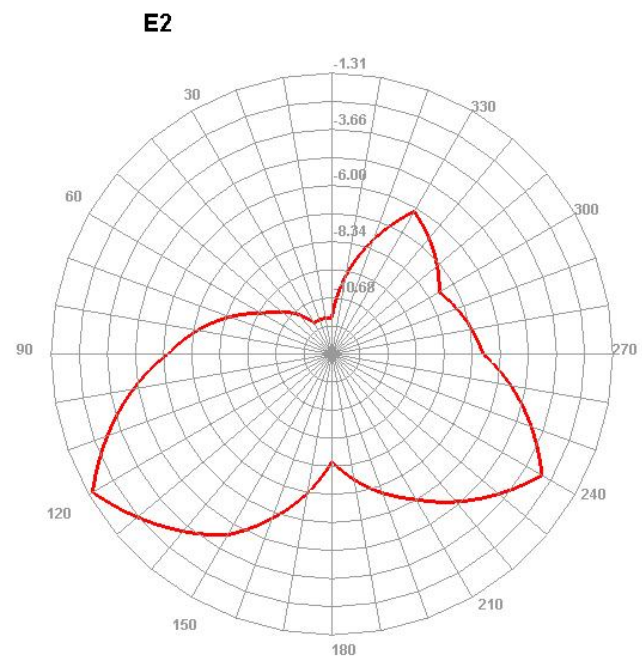
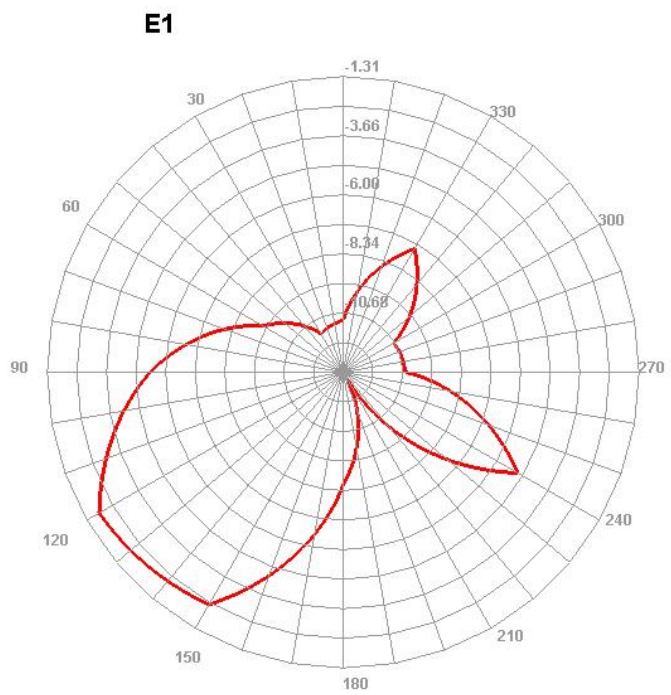
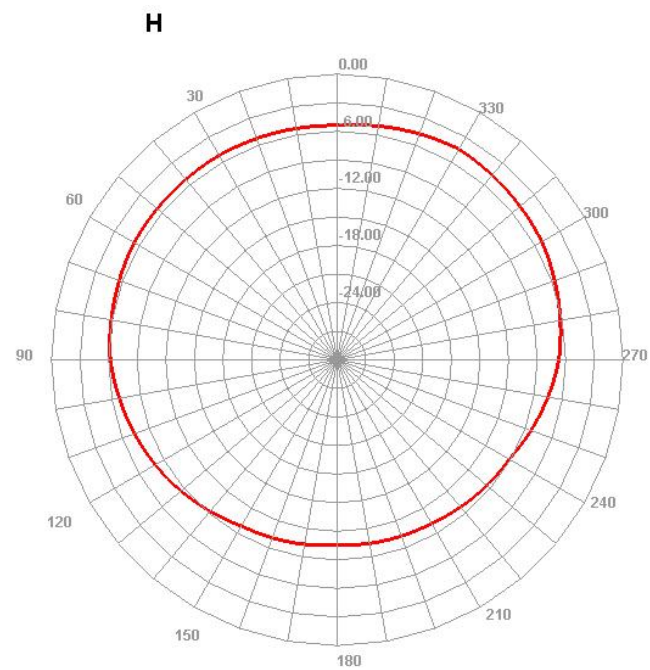
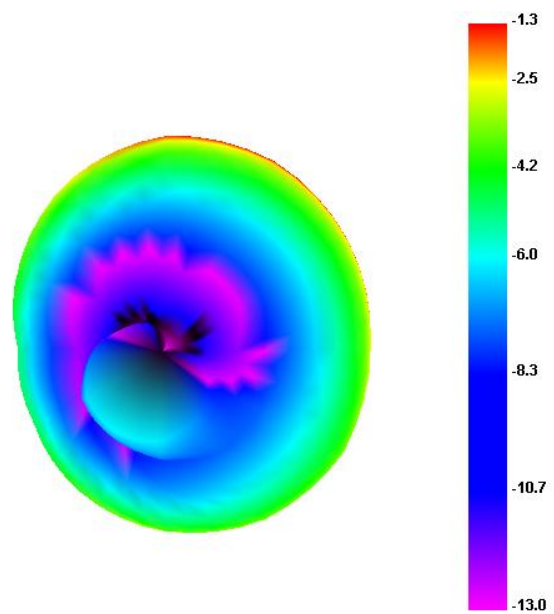
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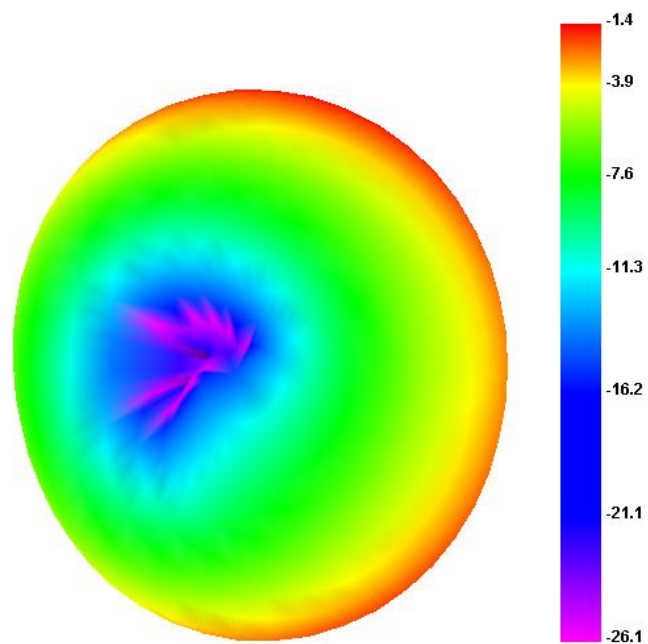
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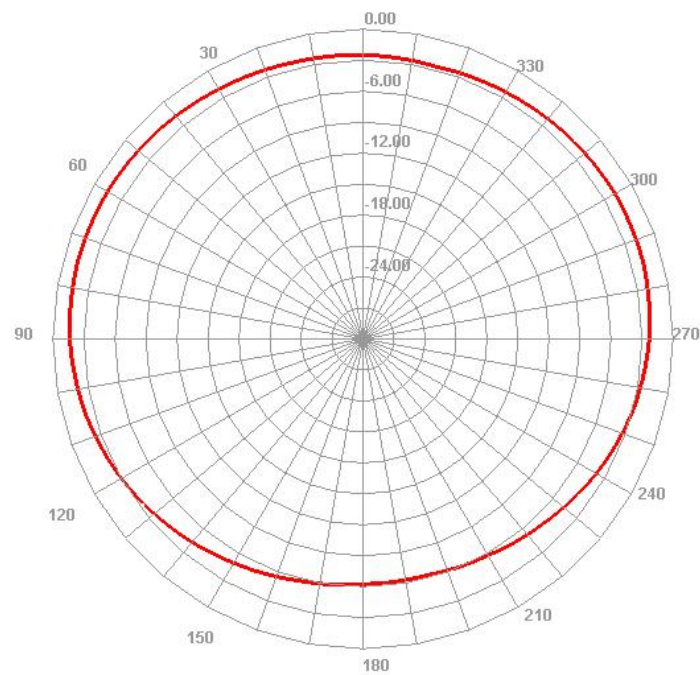
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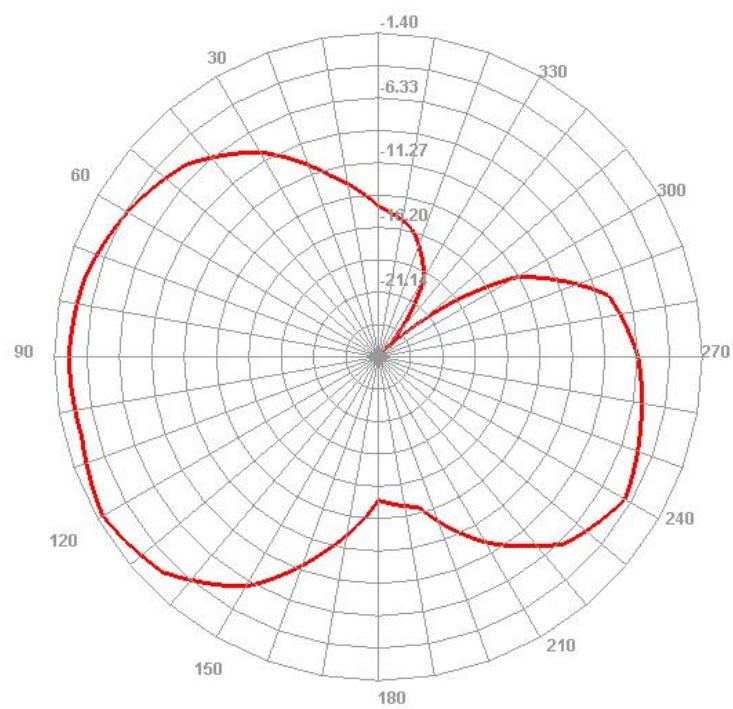
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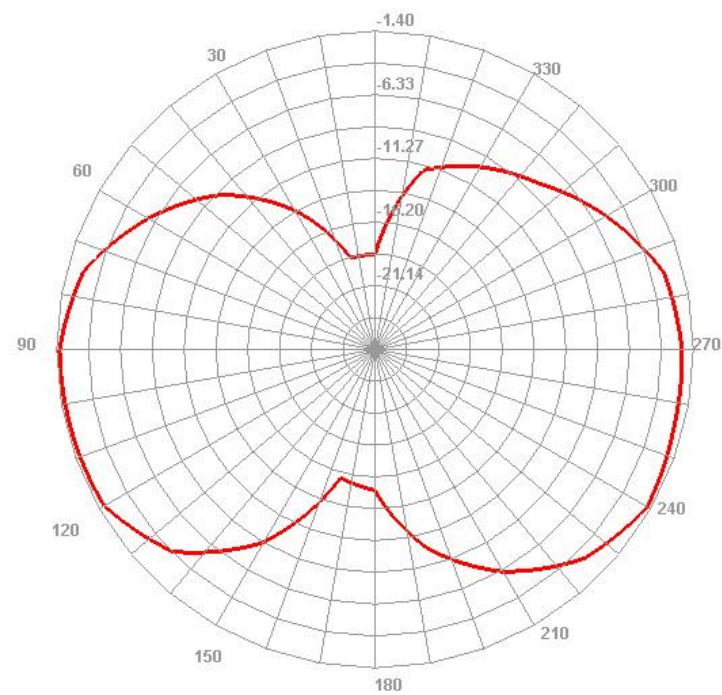
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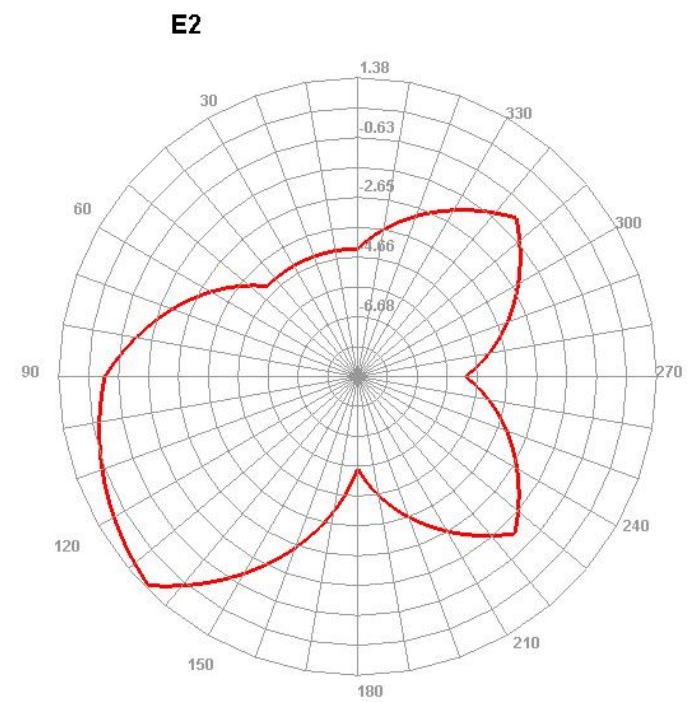
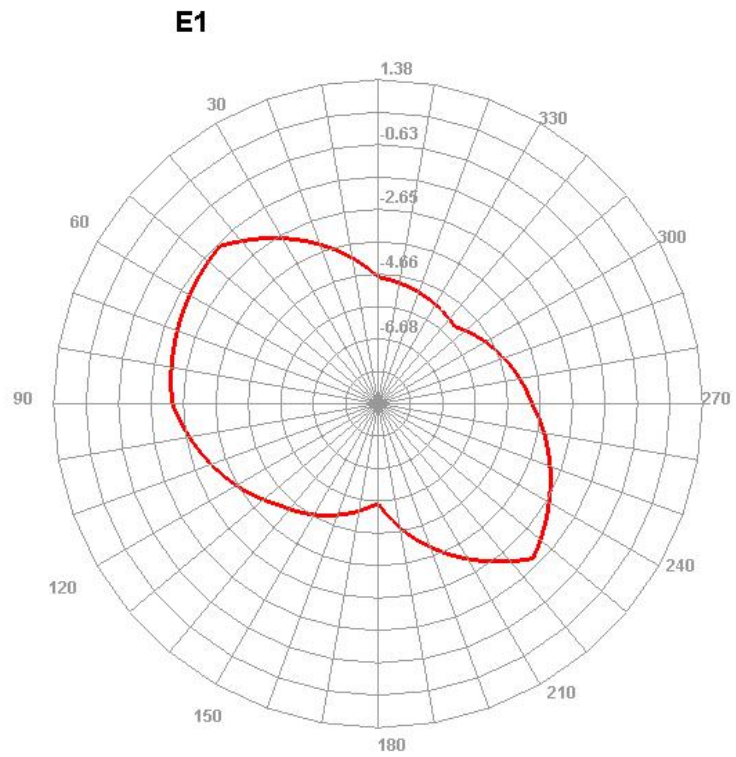
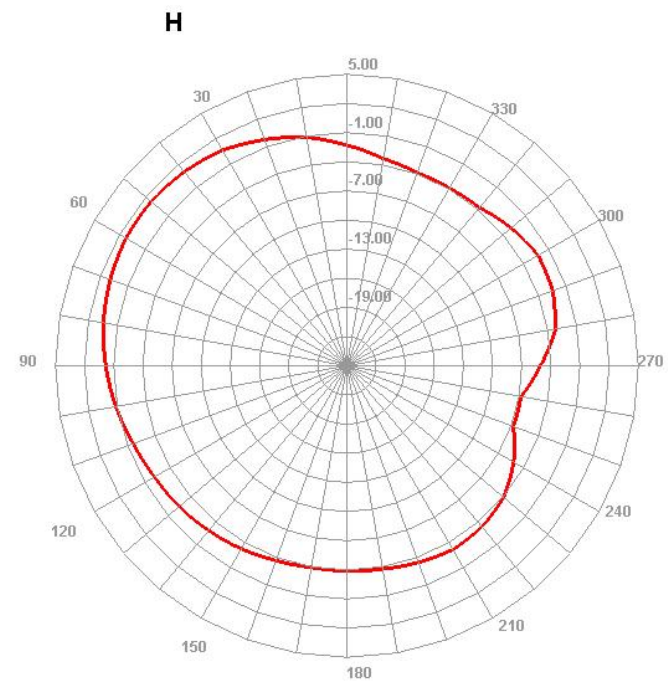
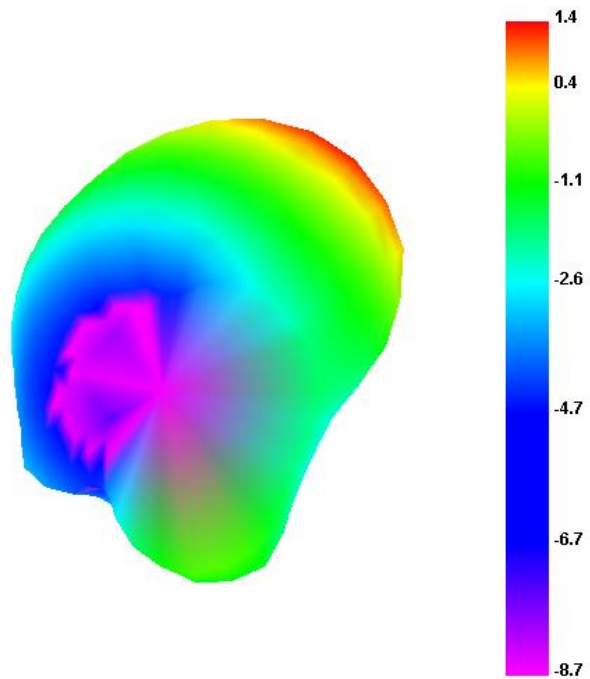
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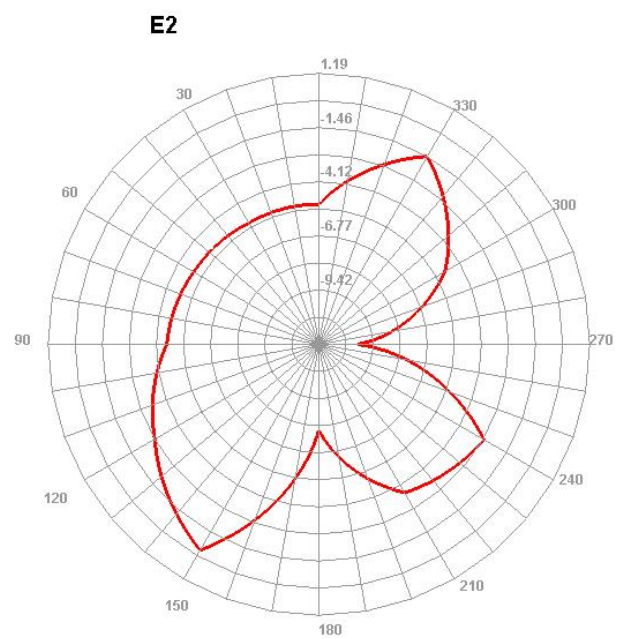
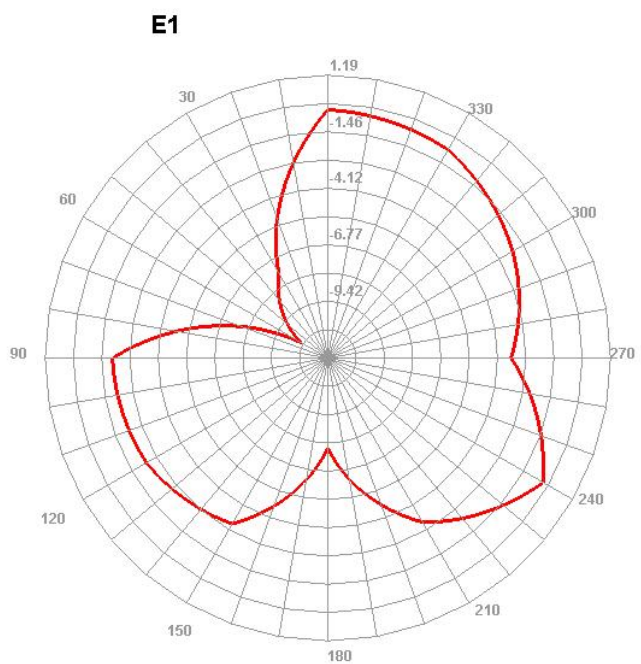
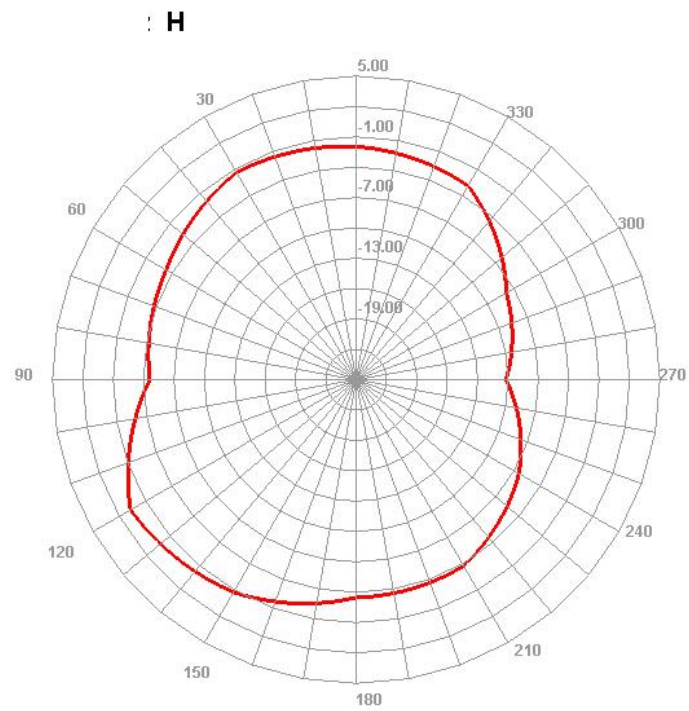
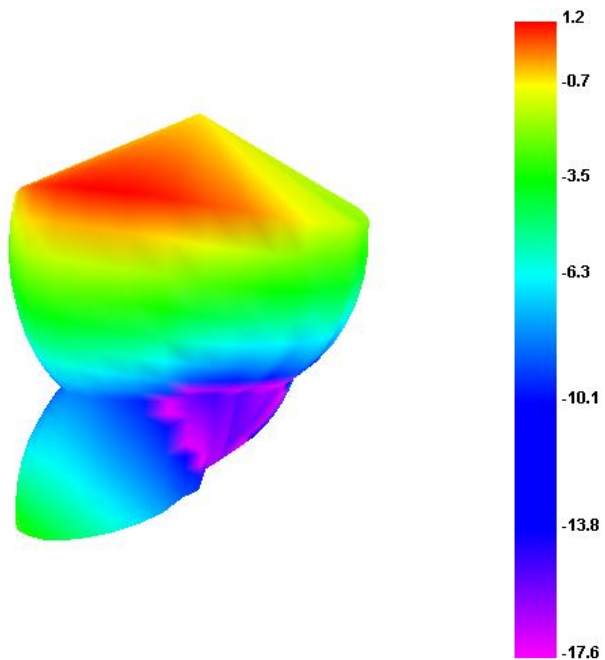
E2



LTE-B40



GPS



2.4G WiFi

