



ShenZhen Huaxinwei communication technology Co.,Ltd.

Antenna test report

Customer Name: Fei Shi

Project Name: M42829

Designer: Jin Kaikai

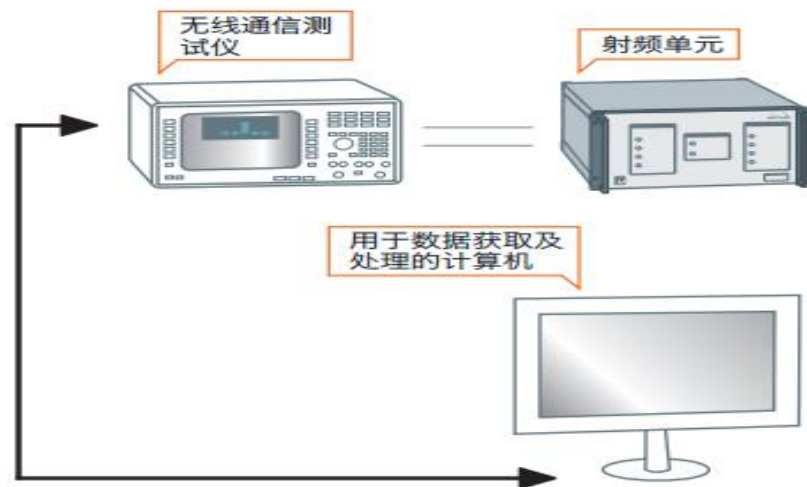
Date: 2023/10/24



The customer name		FEISHI	Project Name	M42829
NO.	project	Detailed above		
1	spectrum	GSM850/900/1800/1900+WCDMA-B1/2/5/8+LTE-B1/2/3/4/5/7/8/12/13/17/28/66/71+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		JIN KAIKAI	18126430782	

1、Test system and test equipment

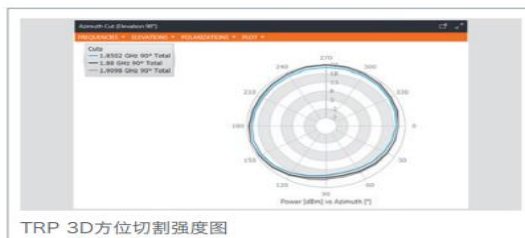
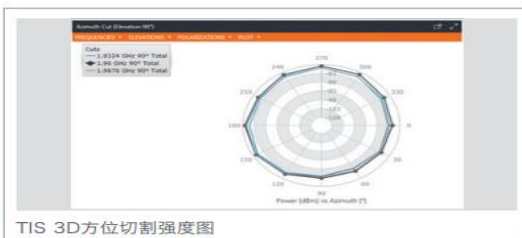
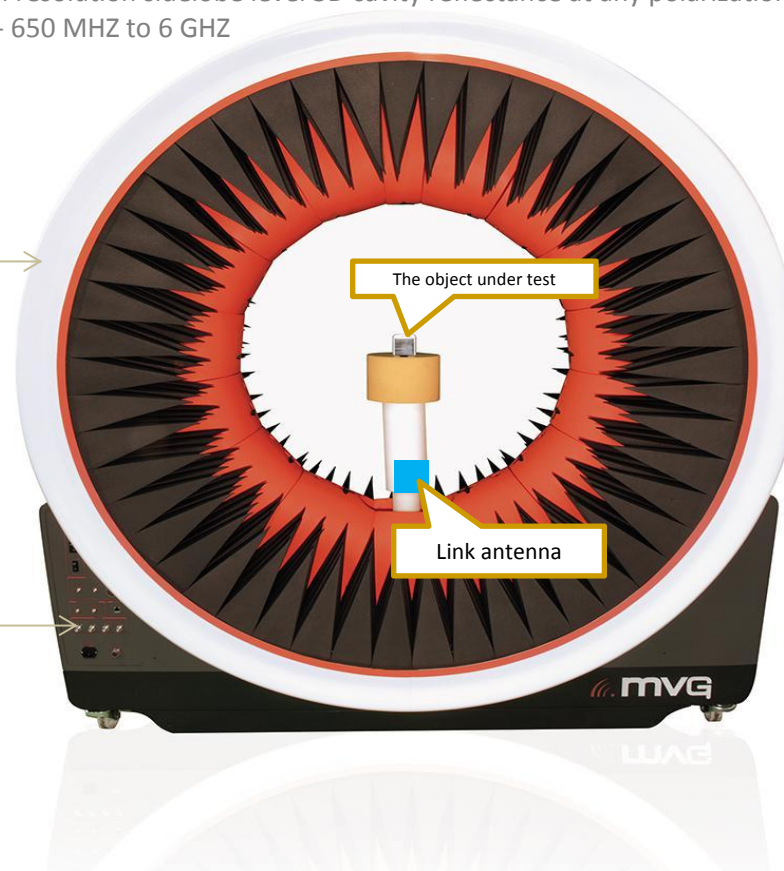
System Brand: MVG(SATIMO) measurement features: gain • pattern beamwidth cross polarization resolution sidelobe level 3D cavity reflectance at any polarization cavity reflectance (line or arc) antenna efficiency TRP, TIS, EIRP and EIS. Frequency band: StarLab 6 GHZ - 650 MHZ to 6 GHZ



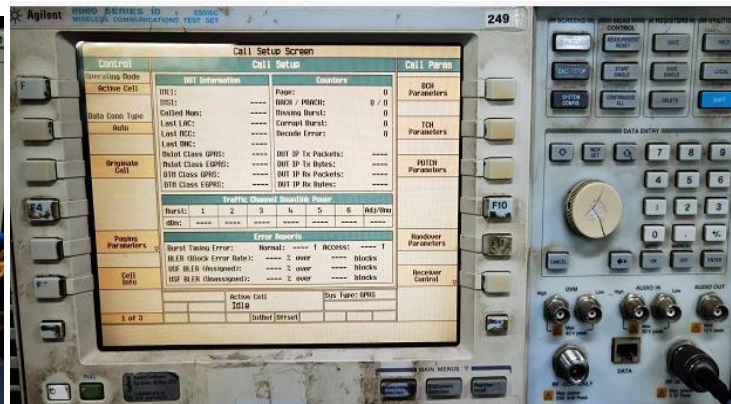
TIS预计测量时间 (一个信道每隔30° 取样)

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



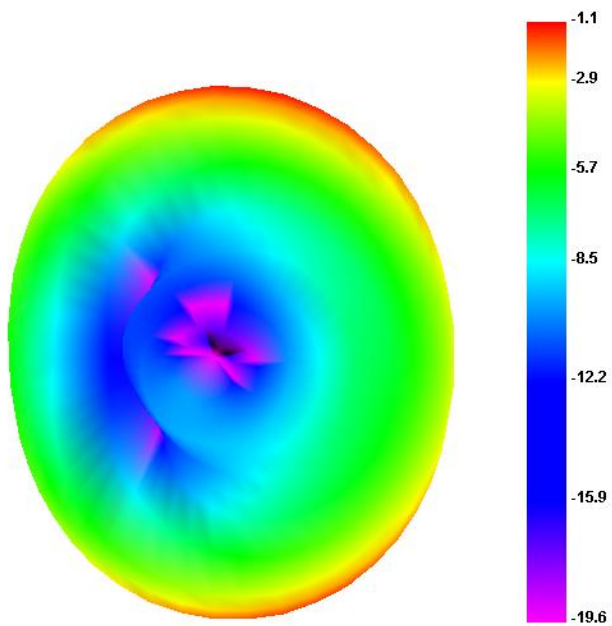
Test Equipment



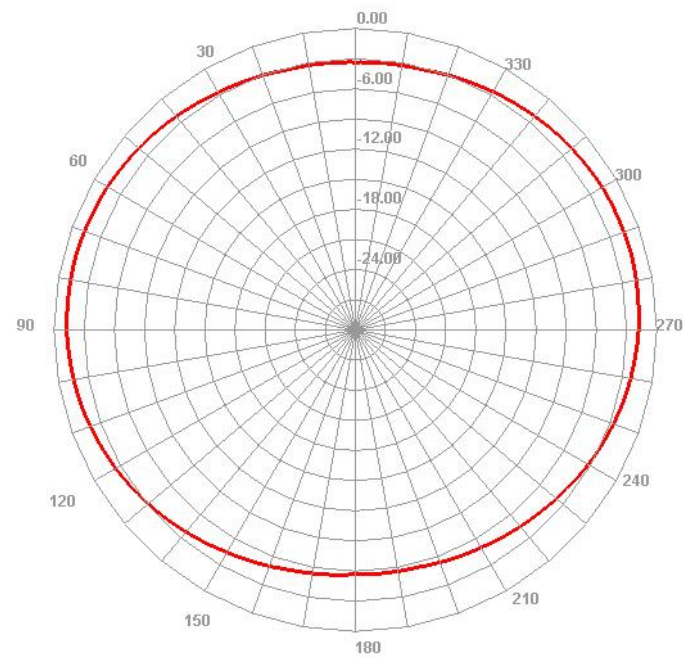
Efficient (2G+3G+4G+2. 4G-WiFi /BT)

PEAK GAIN			
2G:	Frequency range	Effi %	Gaim dBi
GSM850	824~894Mhz	21.80	-1.4
GSM900	880~960Mhz	20.84	-1.1
DCS1800	1710~1880Mhz	38.62	1.58
PCS1900	1850~1990Mhz	40.81	1.83
3G:			
W1	1920~2170Mhz	37.85	1.55
W2	1850~1990Mhz	40.81	1.83
W5	824~894Mhz	21.80	-1.4
W8	880~960Mhz	20.84	-1.1
4G:			
LTE-B1	1920~2170Mhz	37.85	1.55
LTE-B2	1850~1990Mhz	40.81	1.83
LTE-B3	1710~1880Mhz	38.62	1.58
LTE-B4	1710~2155Mhz	39.07	1.58
LTE-B5	824~894Mhz	21.80	-1.4
LTE-B7	2500~2690Mhz	28.01	0.94
LTE-B8	880~960Mhz	20.84	-1.1
LTE-B12	698~746Mhz	19.03	-1.58
LTE-B13	746~787Mhz	18.82	-1.35
LTE-B17	704~746Mhz	19.04	-1.58
LTE-B28	708~798Mhz	19.05	-1.58
LTE-B66	1710~2170Mhz	39.08	1.58
LTE-B71	617~698Mhz	18.52	-1.61
2. 4G-WIFI	2400~2500Mhz	42.52	1.01
5. 18G WIFI	5000~5800Mhz	40.24	1.82
5. 8G WIFI	5000~5800Mhz	40.24	1.54
BT	2400~2500Mhz	42.51	1.01
GPS	1575Mhz	38.73	1.23

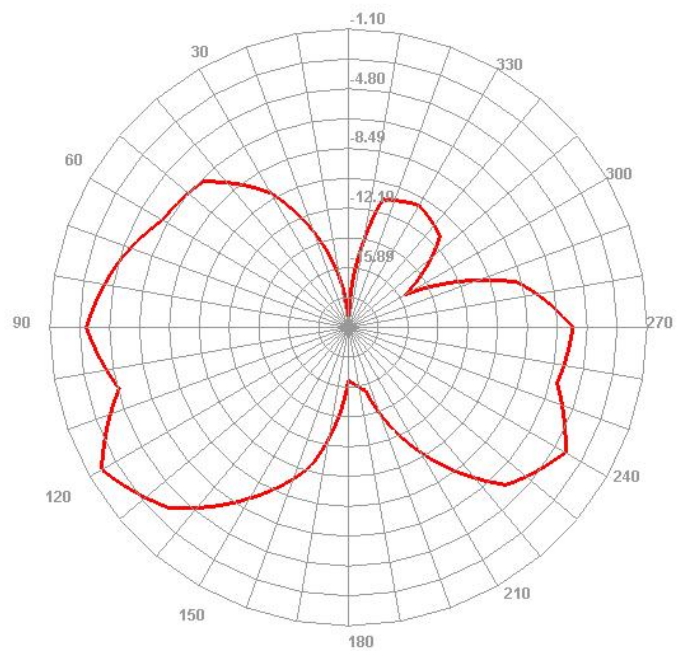
GSM 900



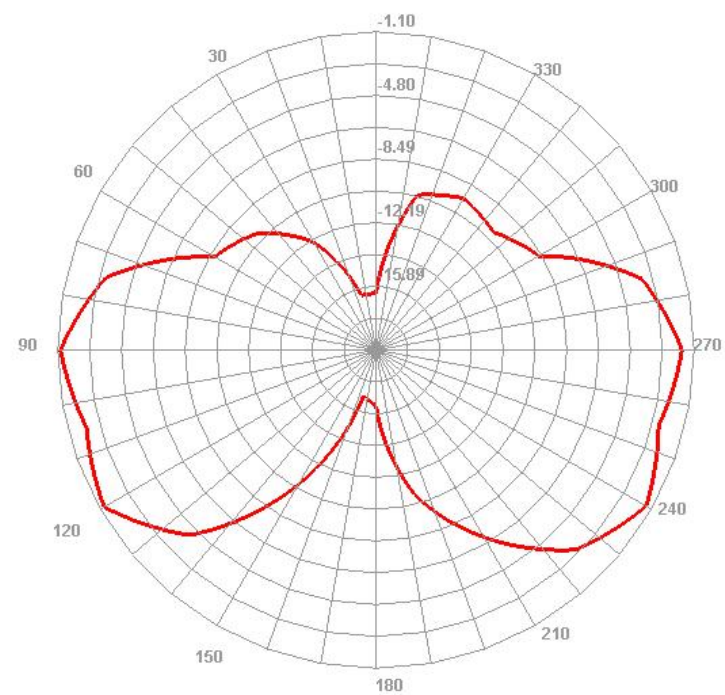
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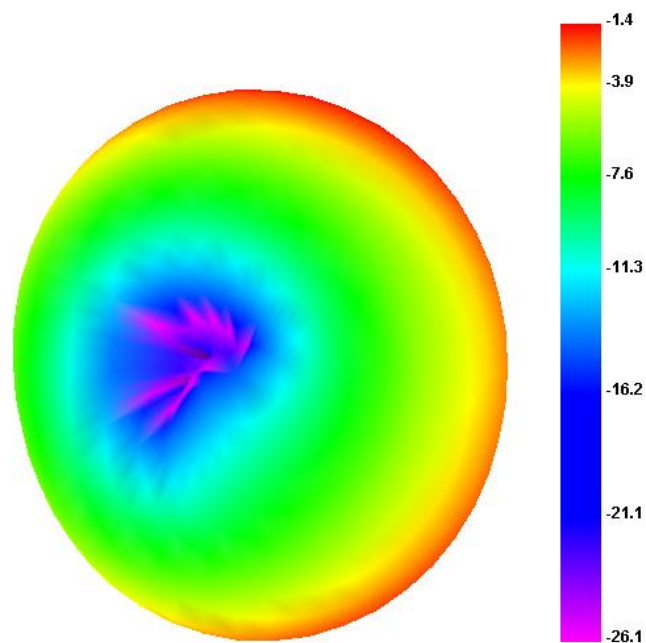
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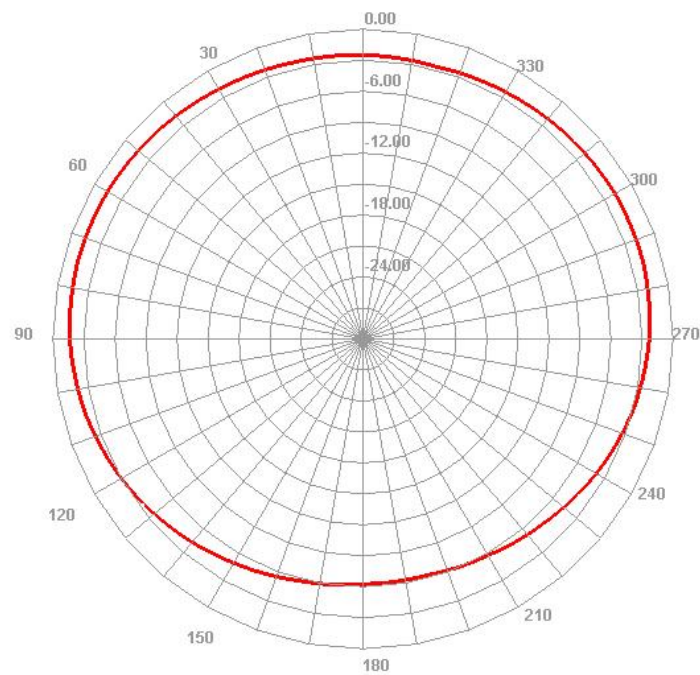
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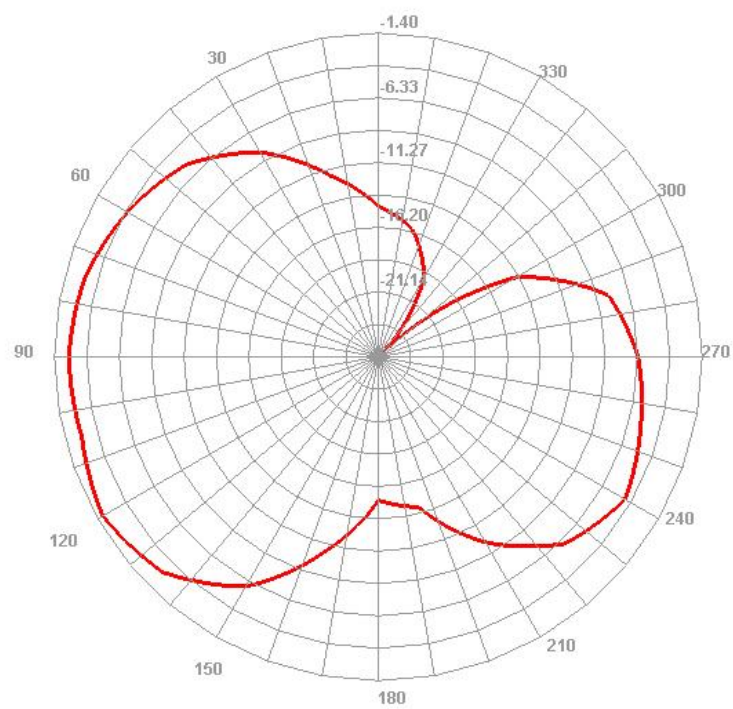
GSM 850



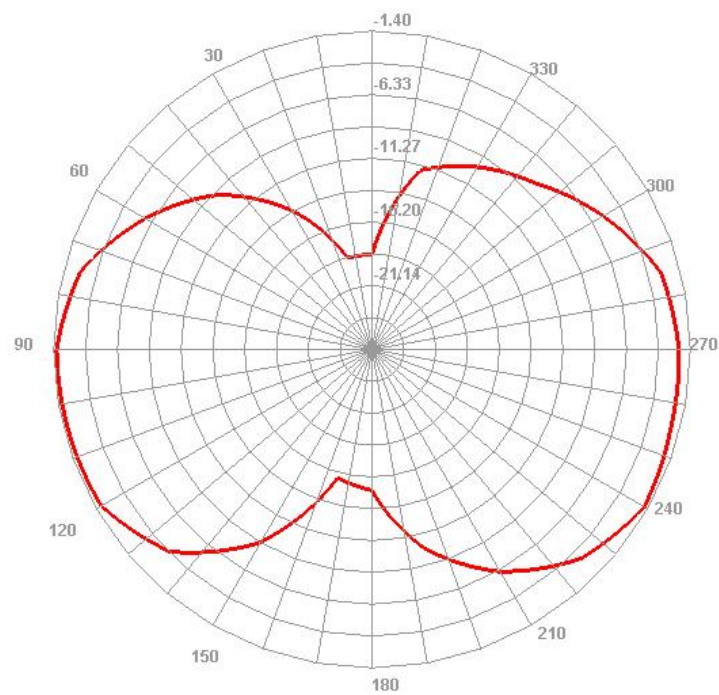
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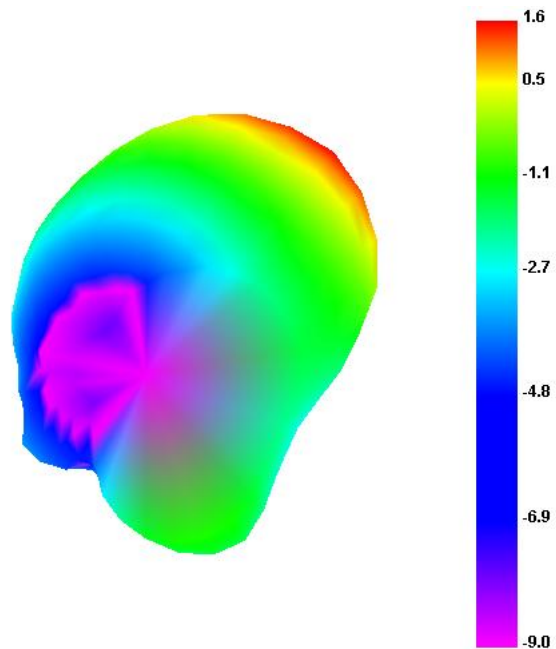
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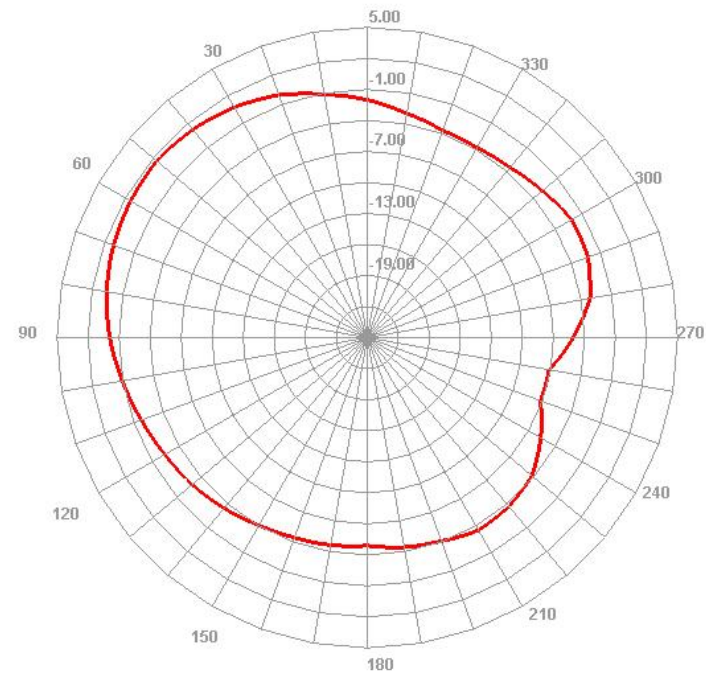
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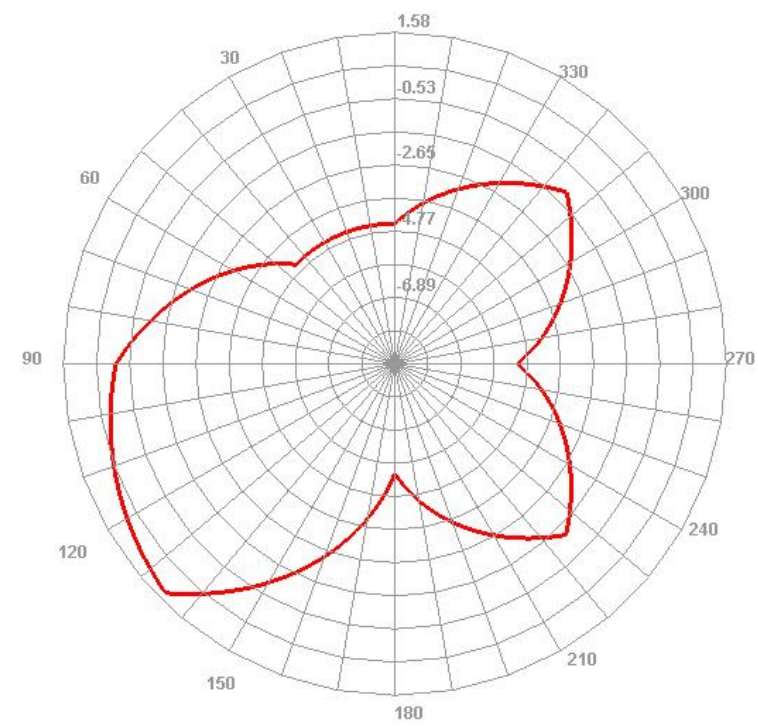
DCS1800



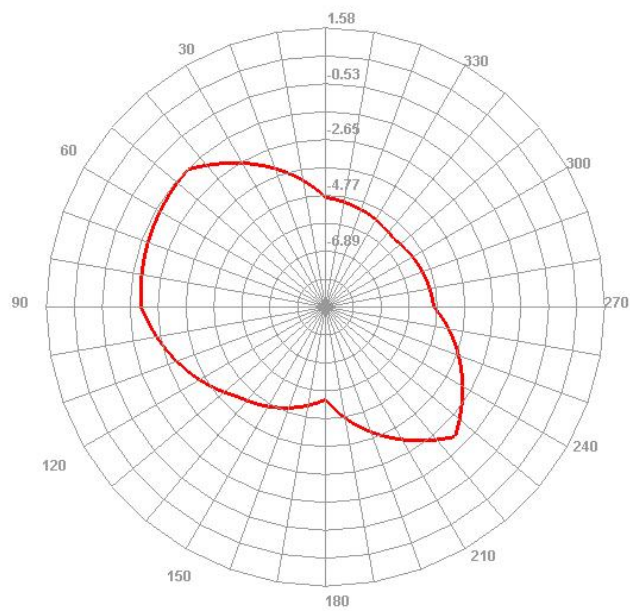
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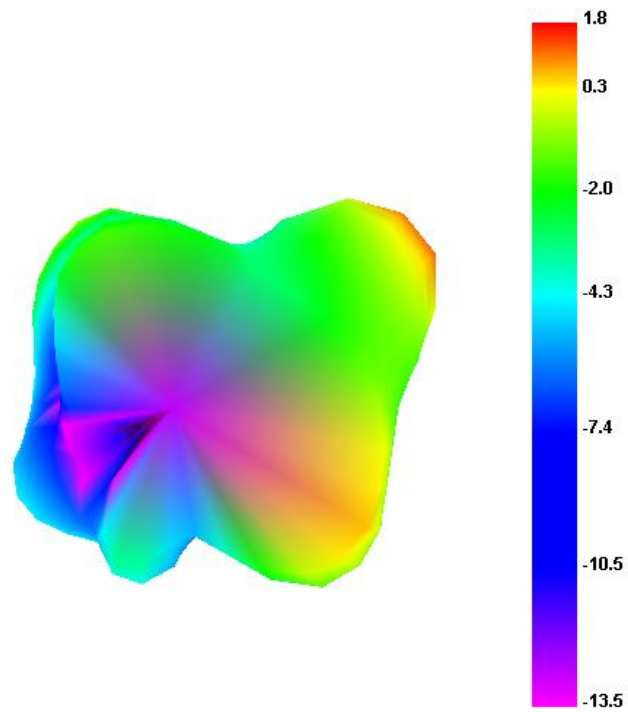
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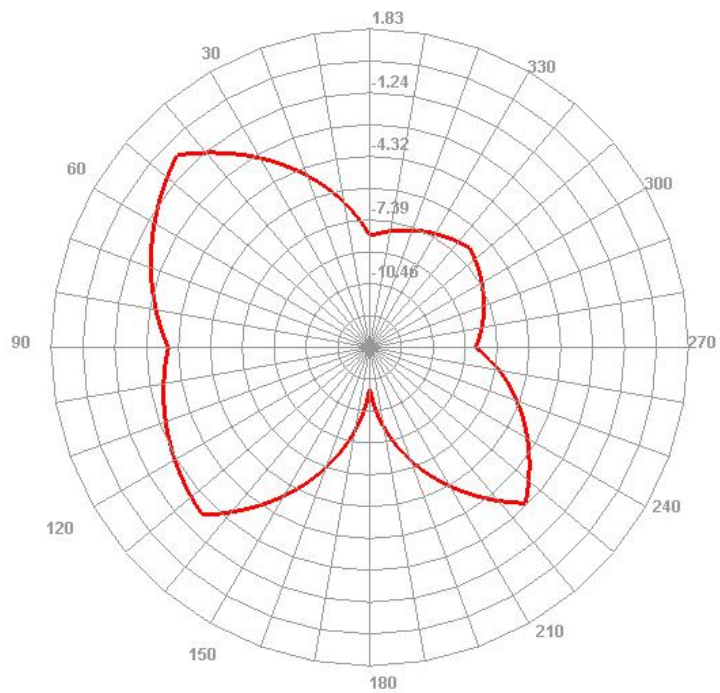
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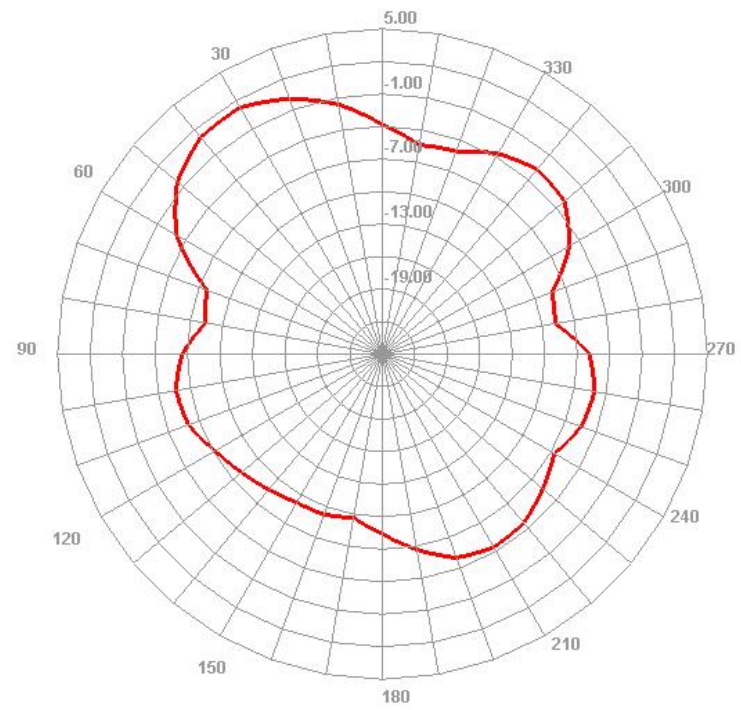
PCS1900



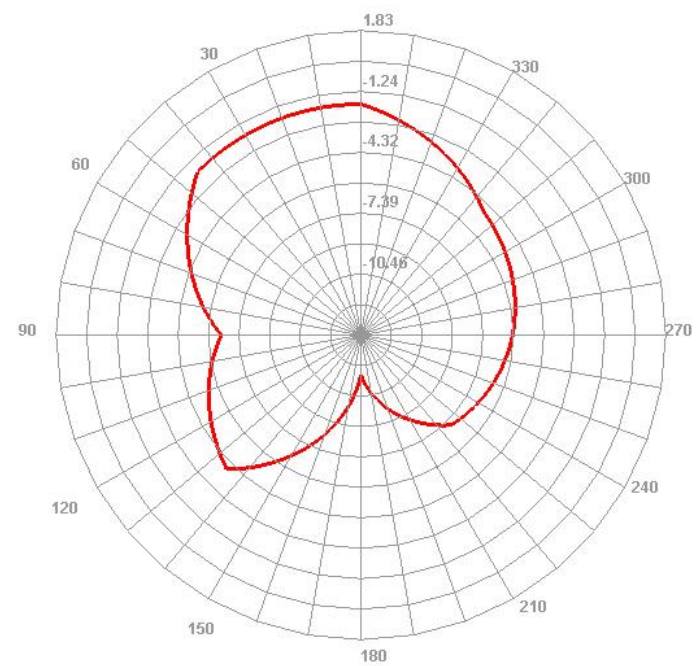
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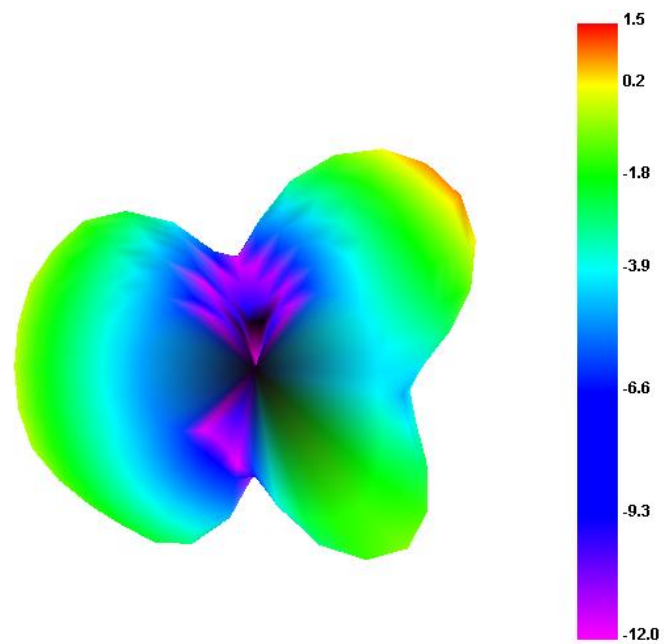
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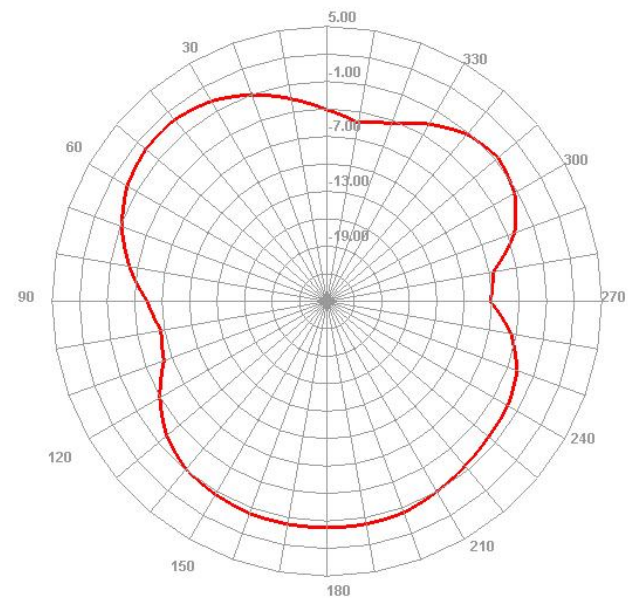
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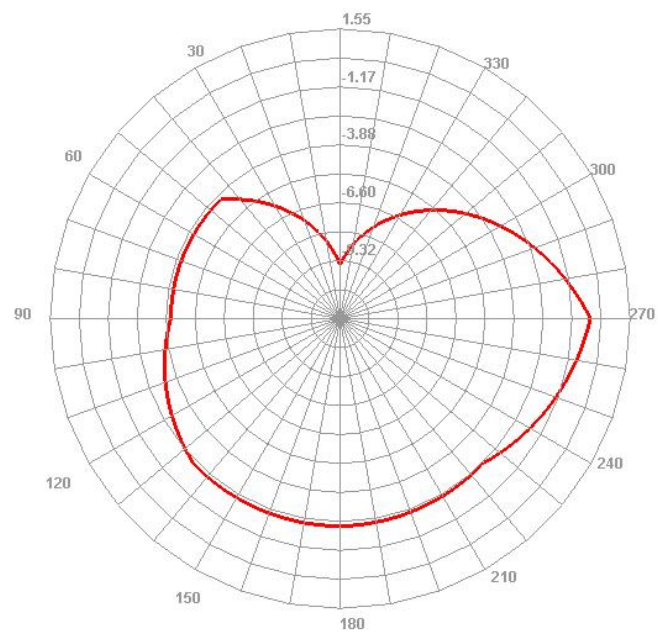
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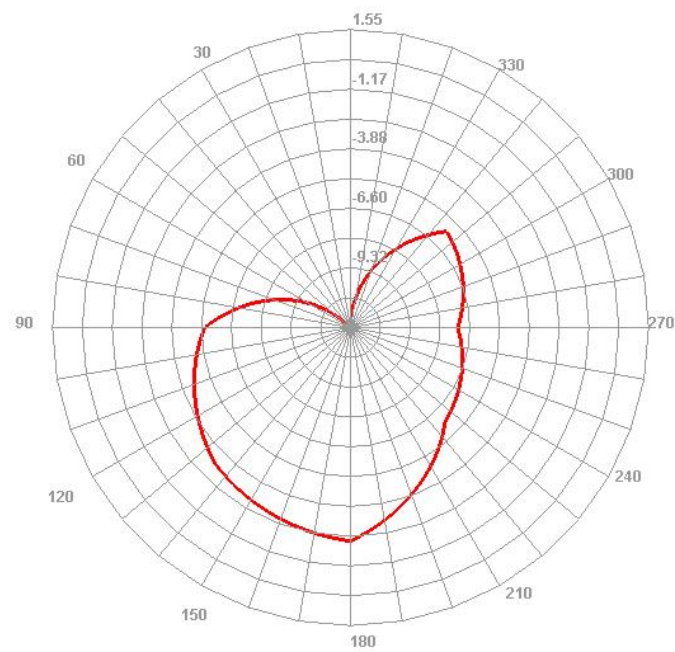
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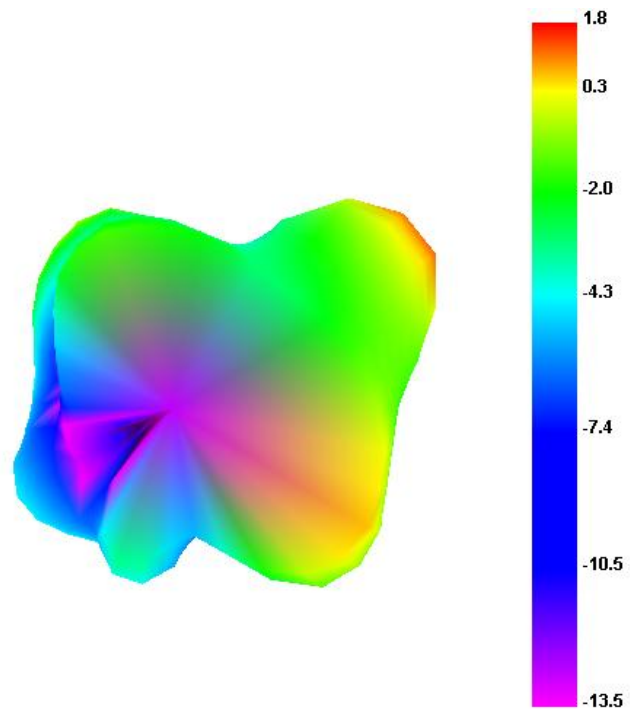
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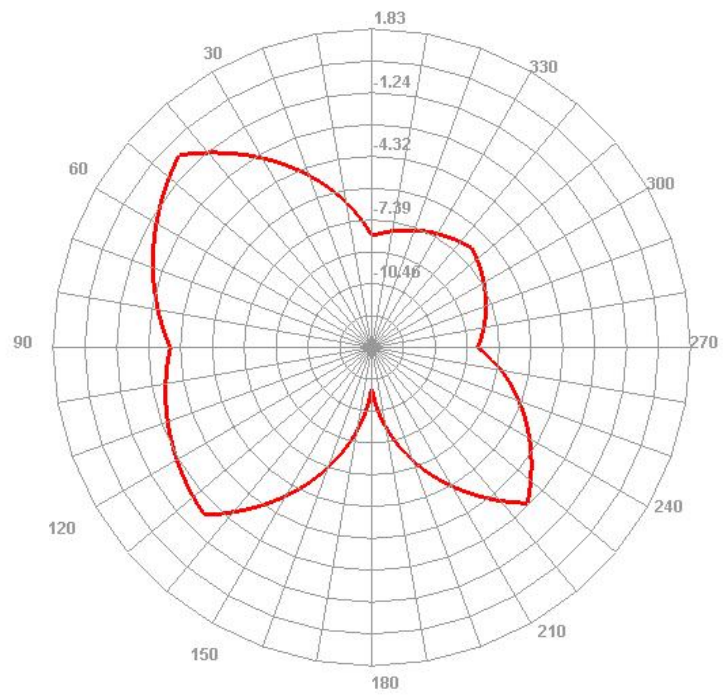
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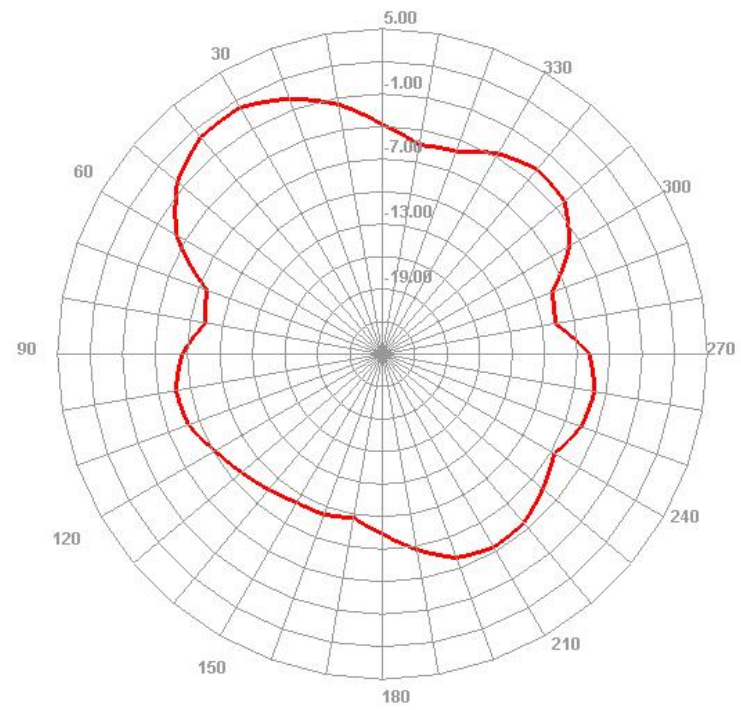
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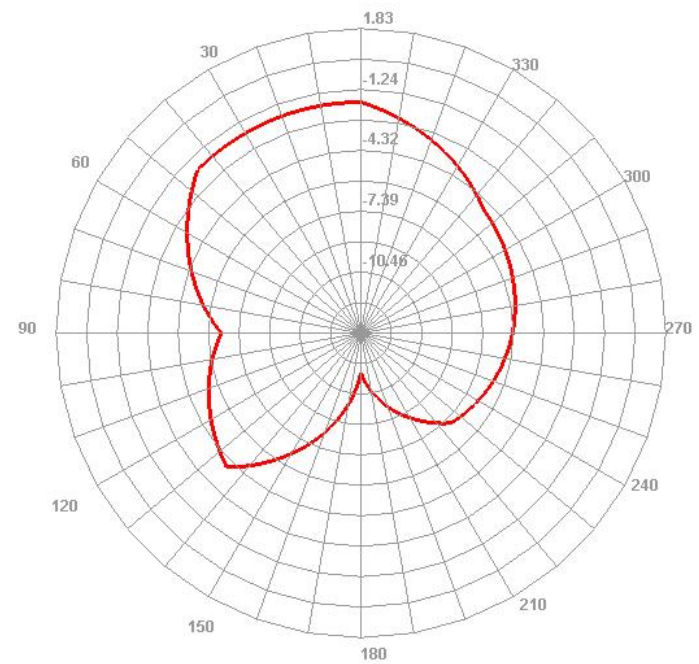
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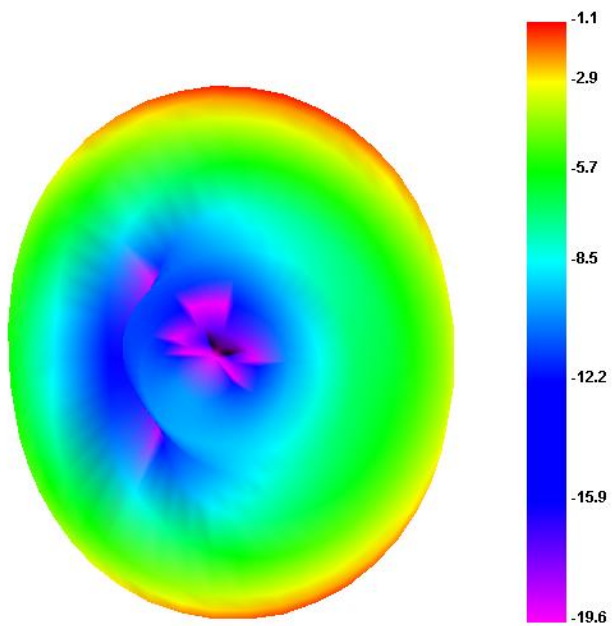
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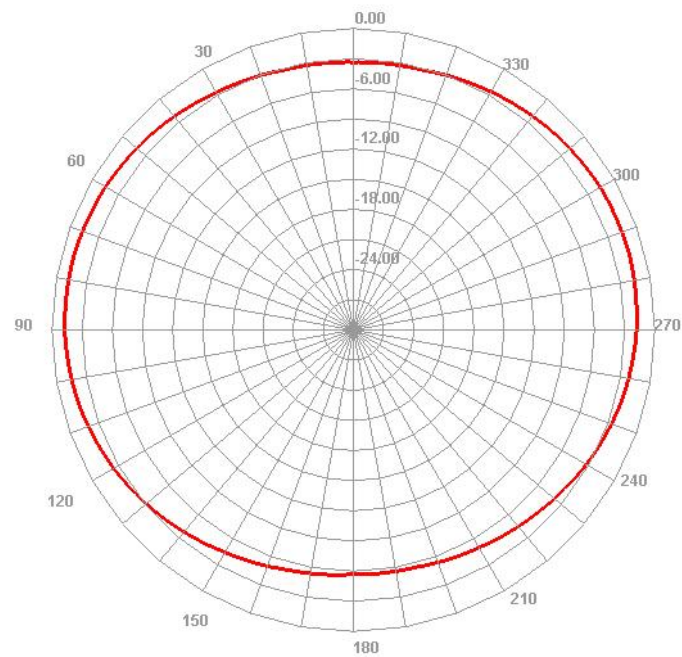
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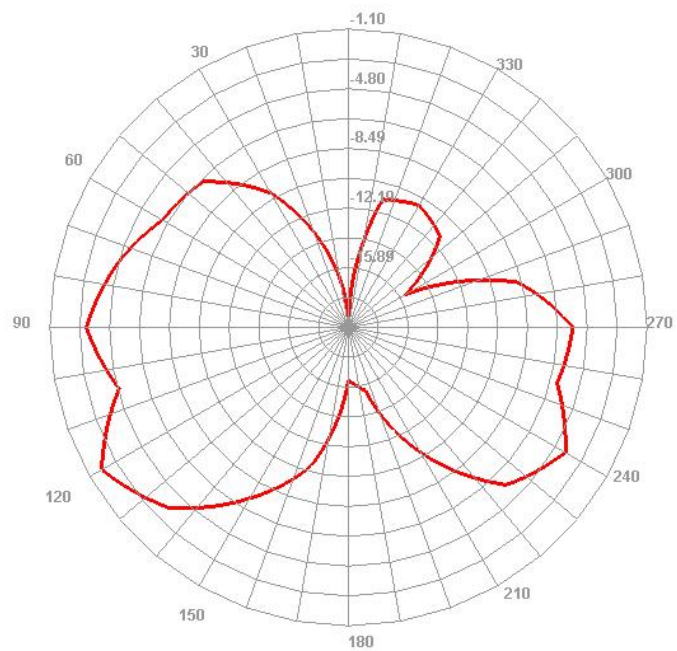
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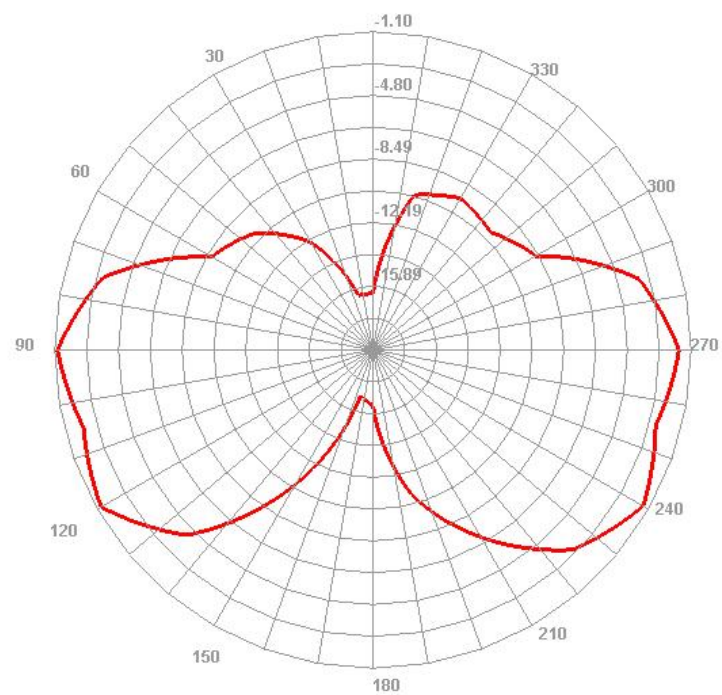
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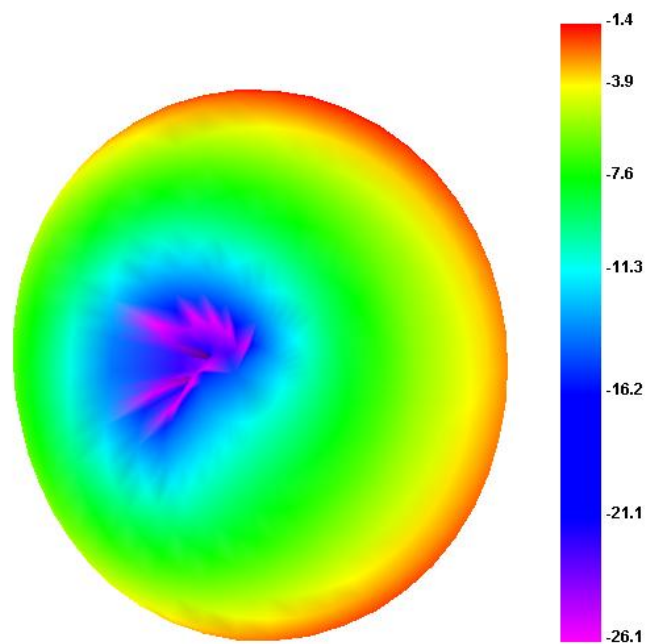
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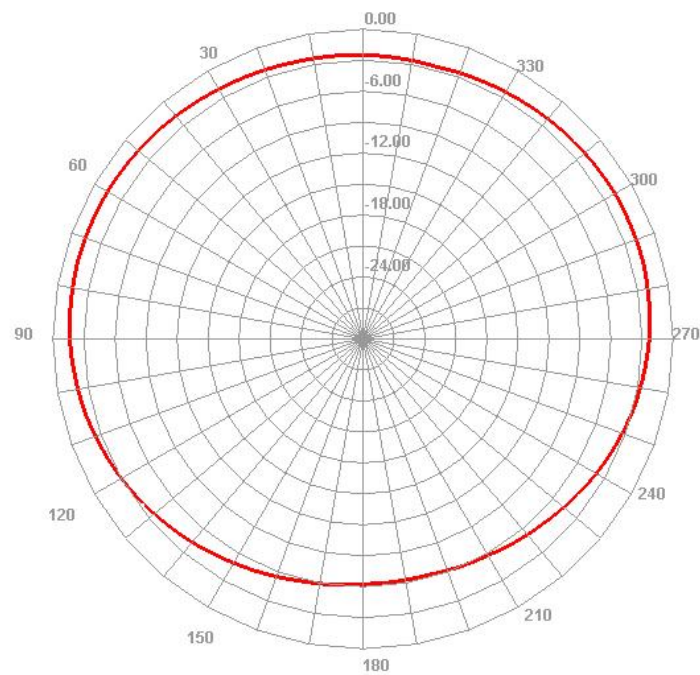
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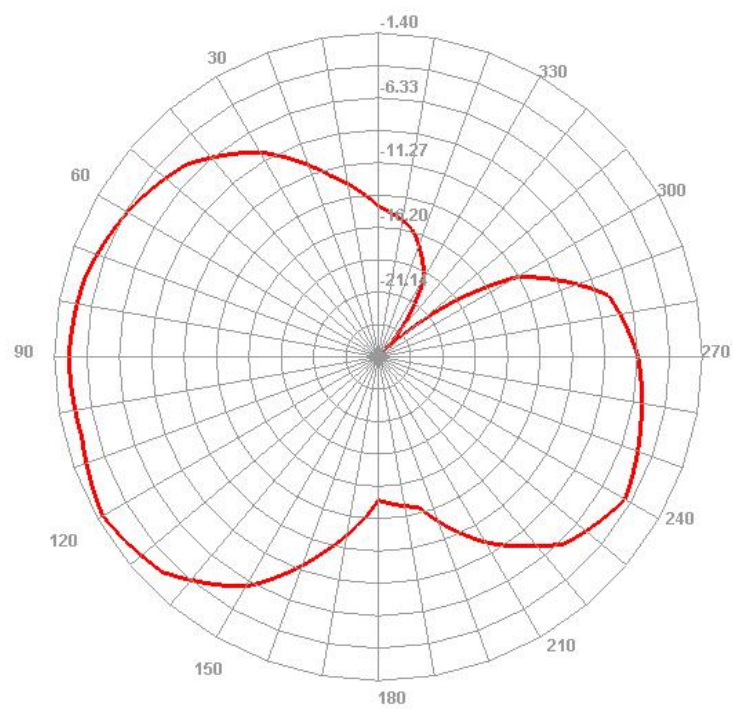
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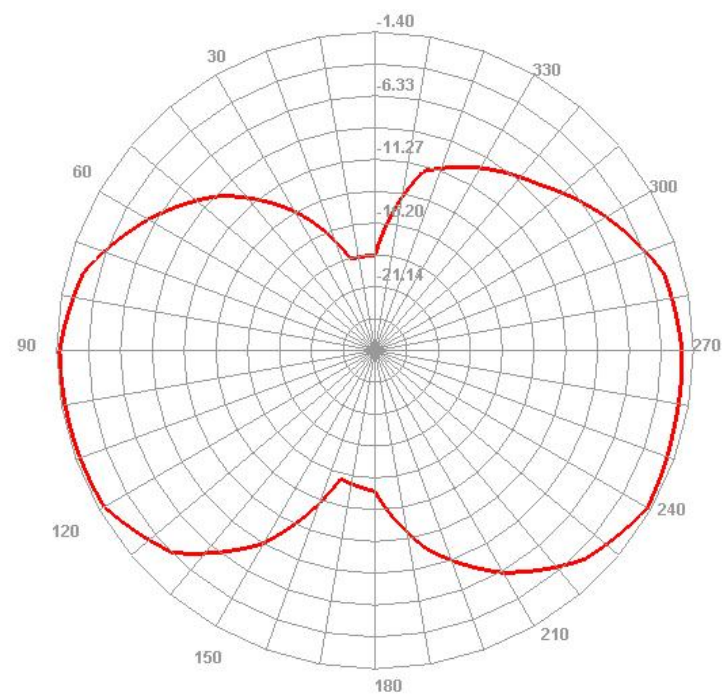
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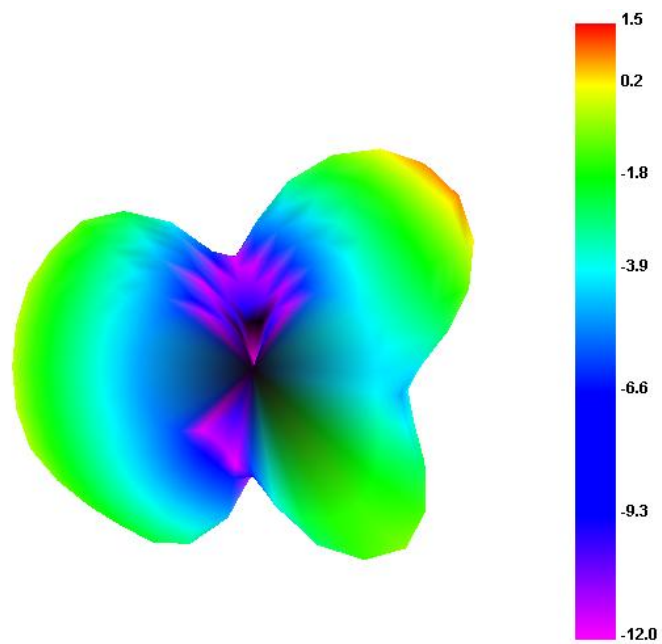
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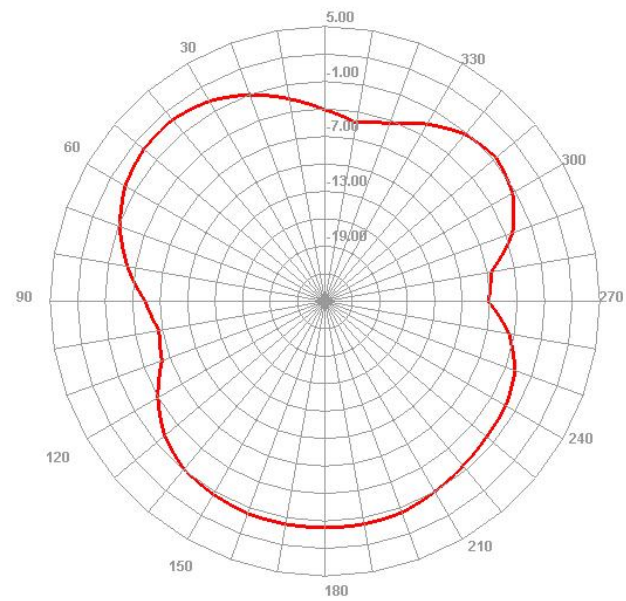
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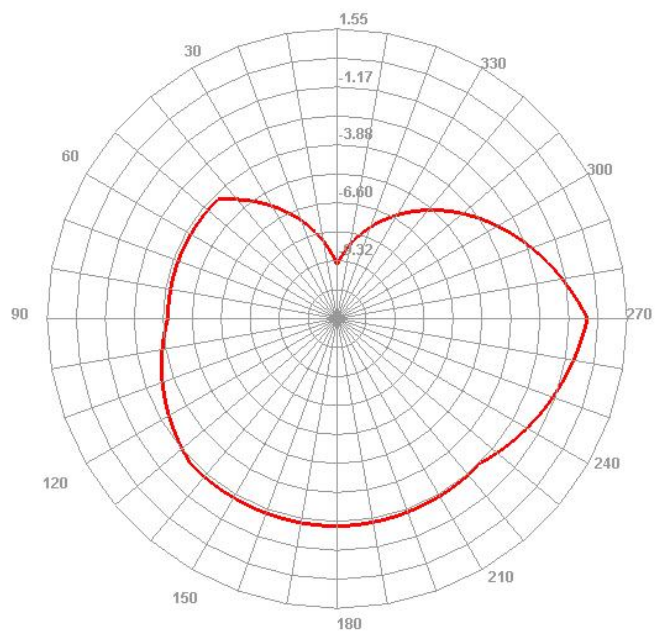
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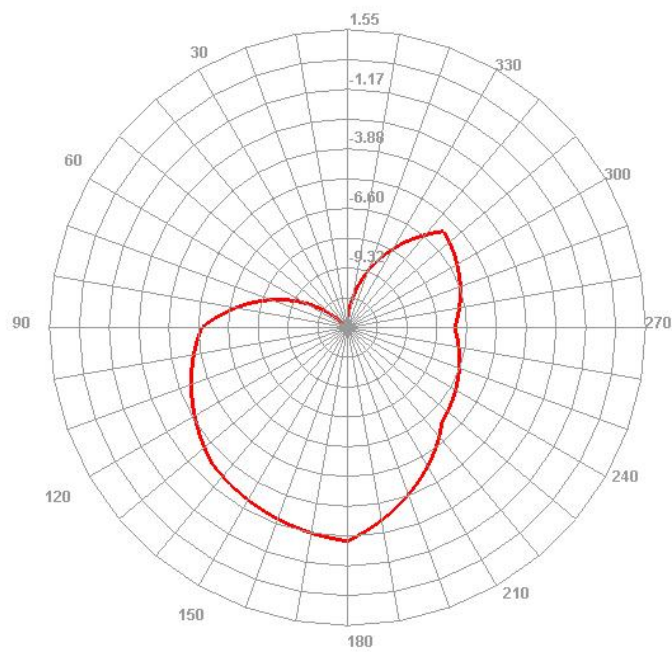
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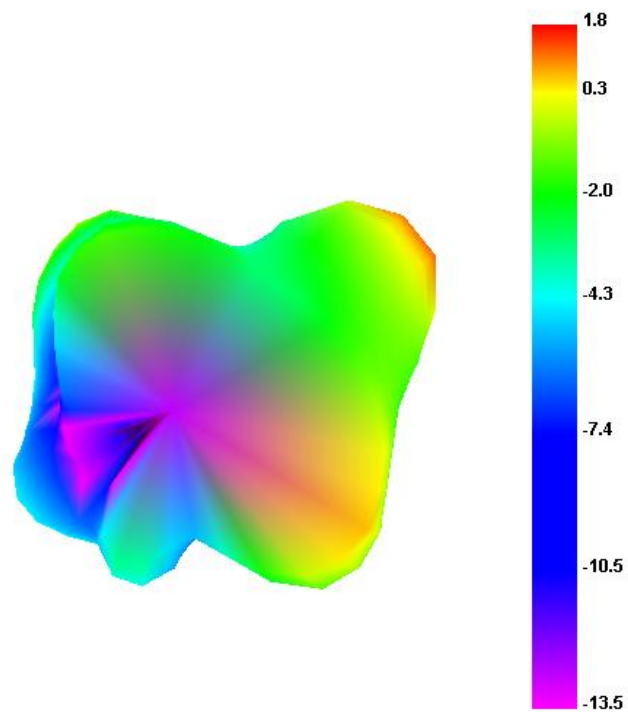
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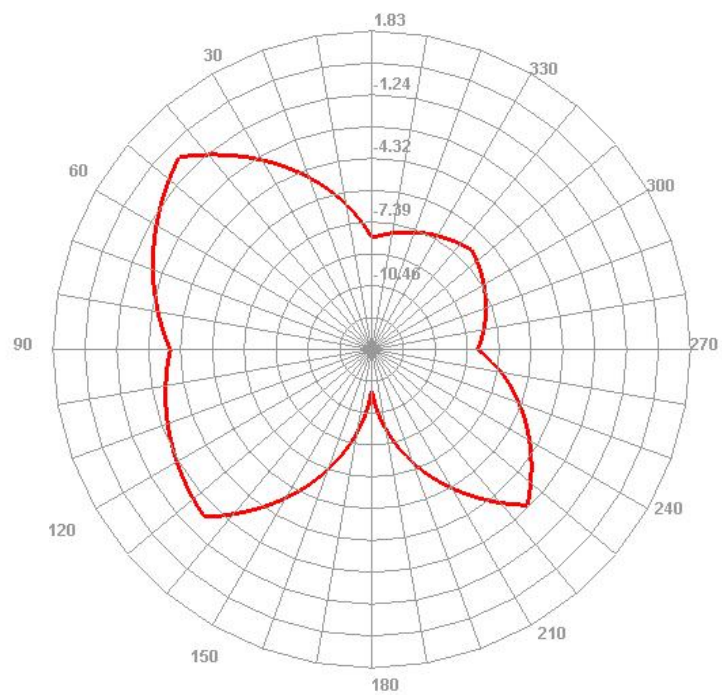
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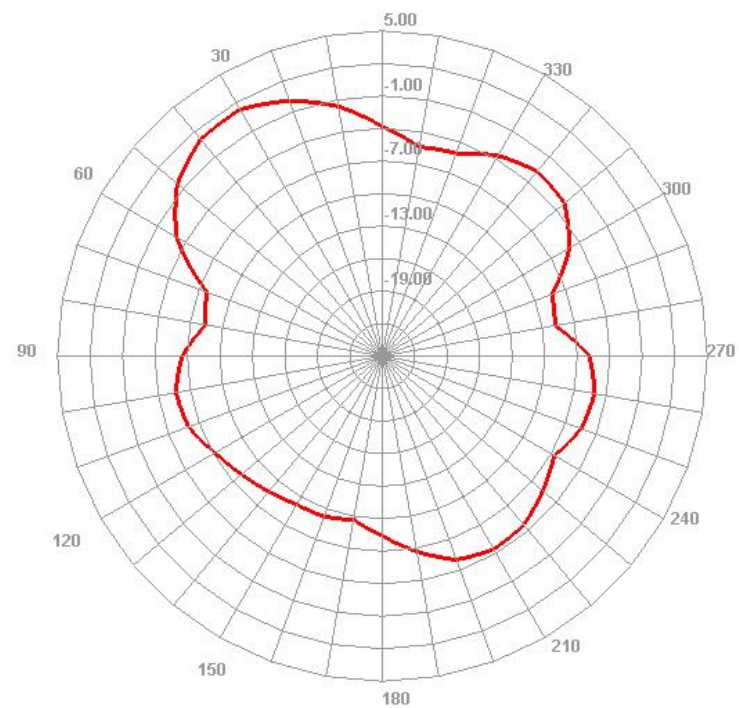
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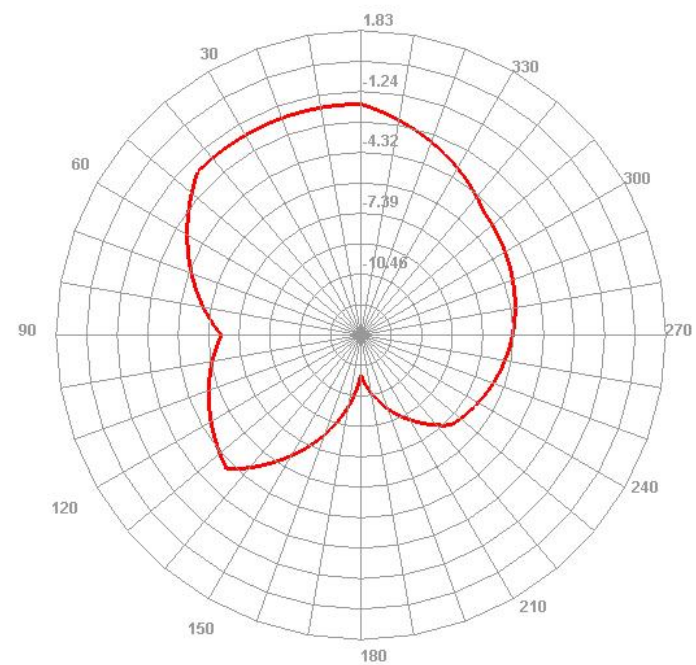
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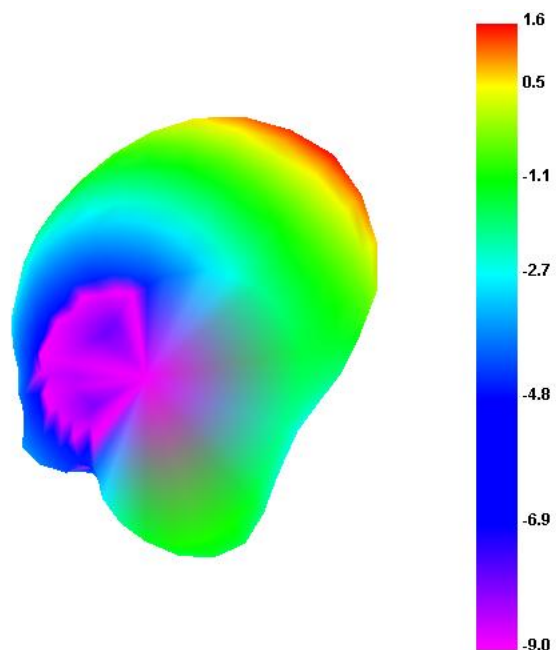
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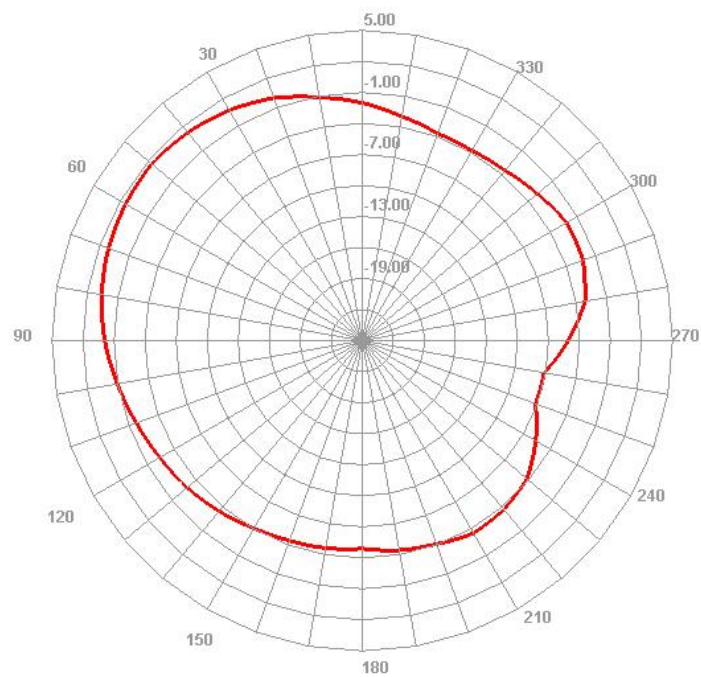
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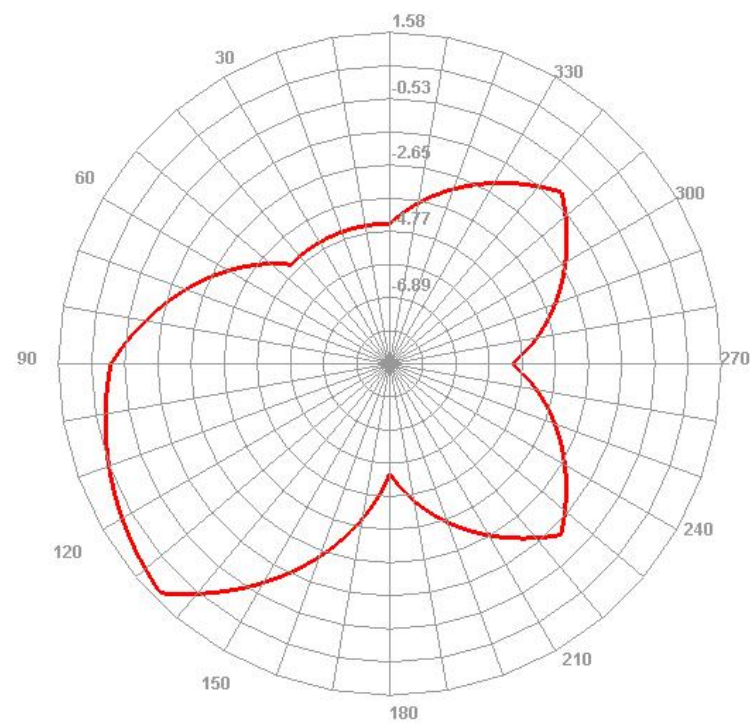
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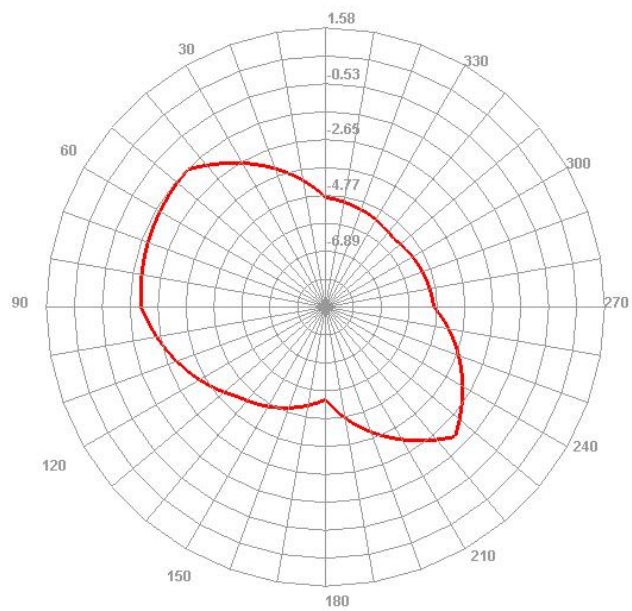
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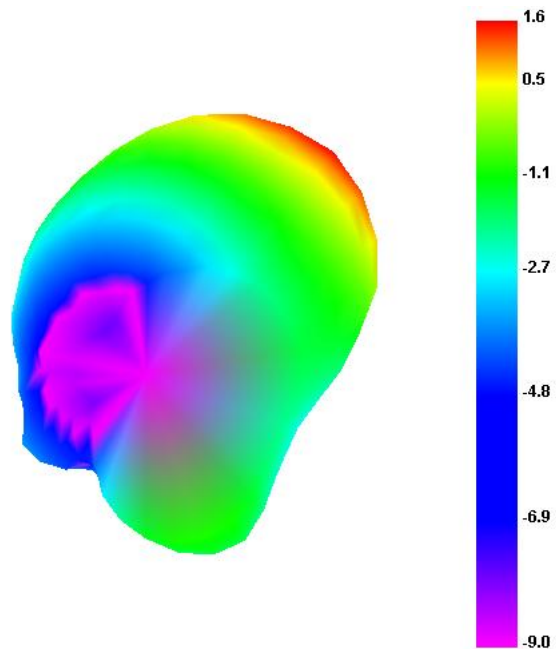
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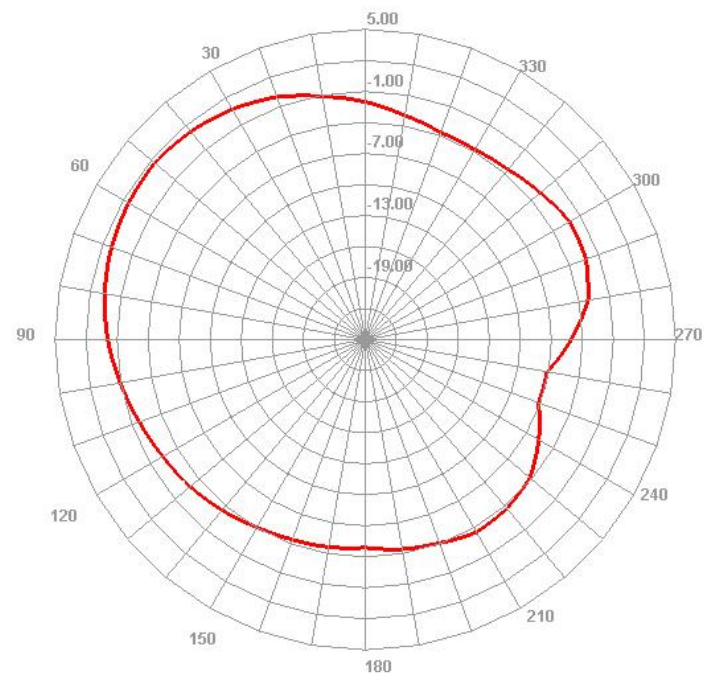
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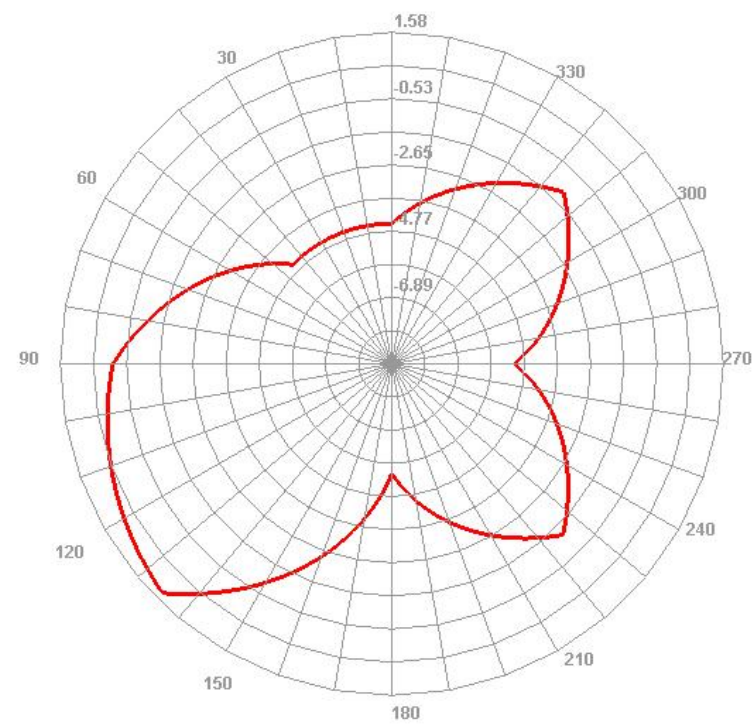
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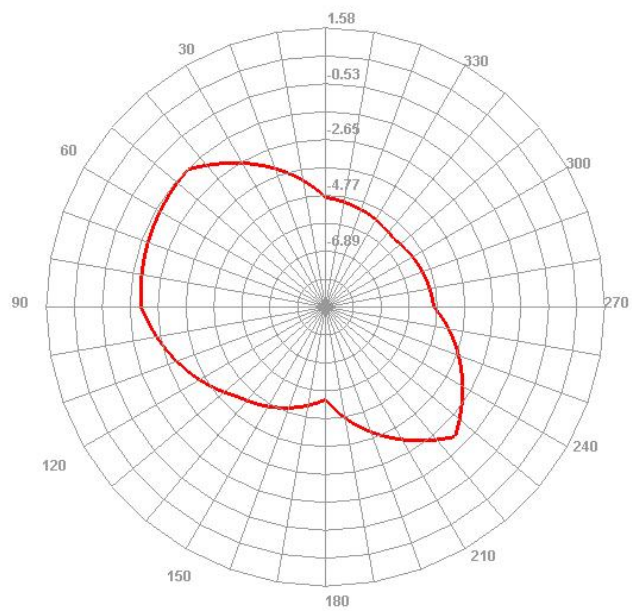
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E2

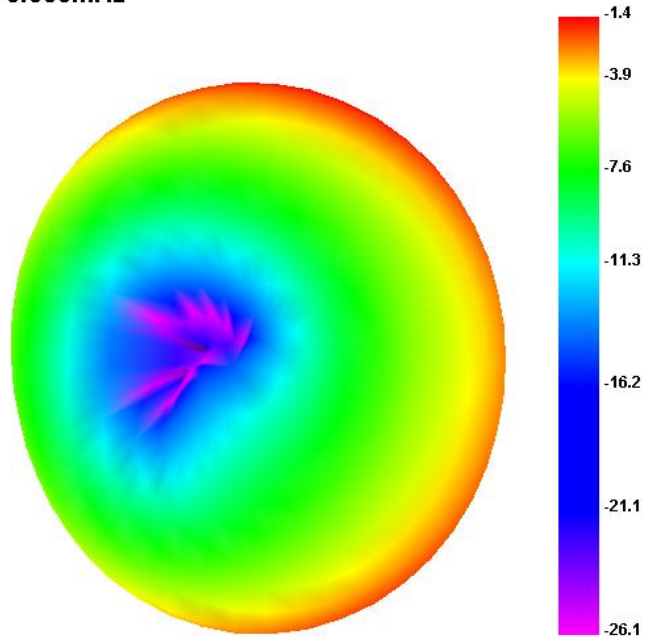


E1

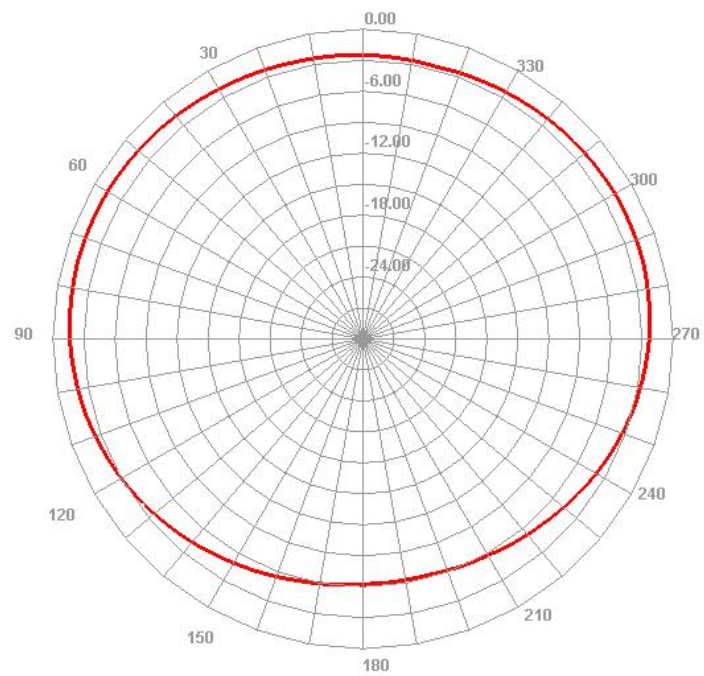


LTE-B5

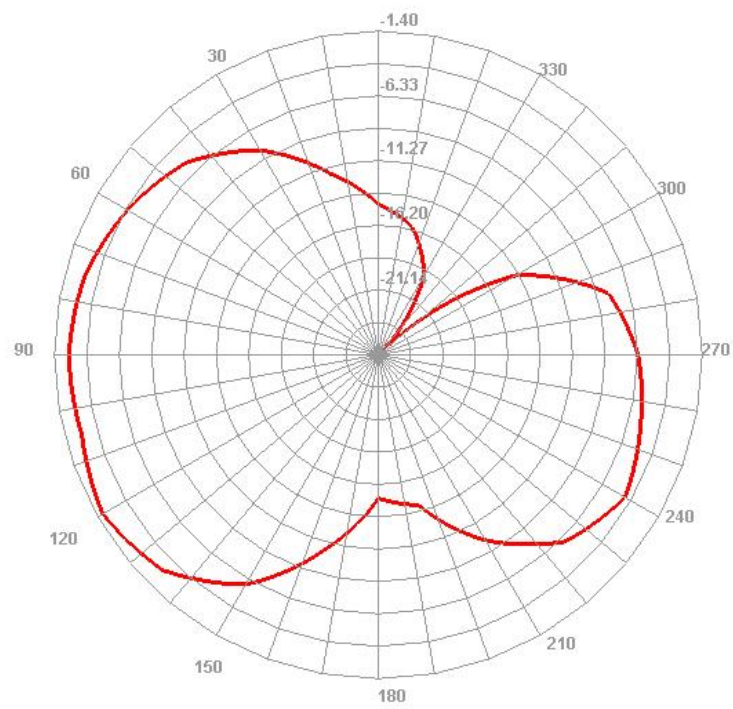
870.000MHz



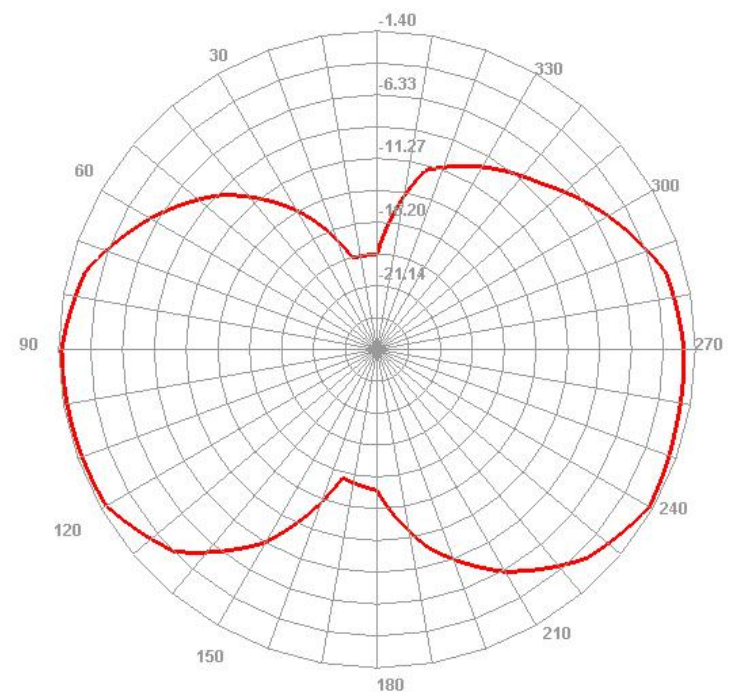
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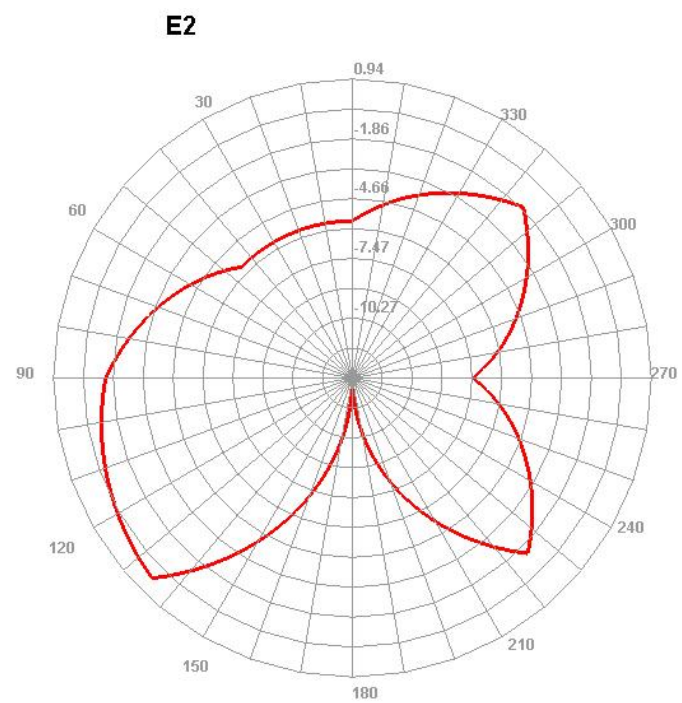
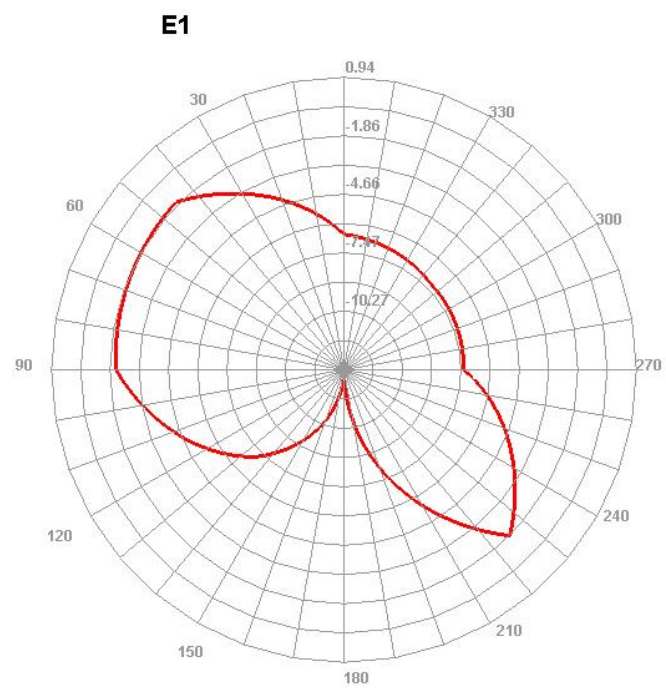
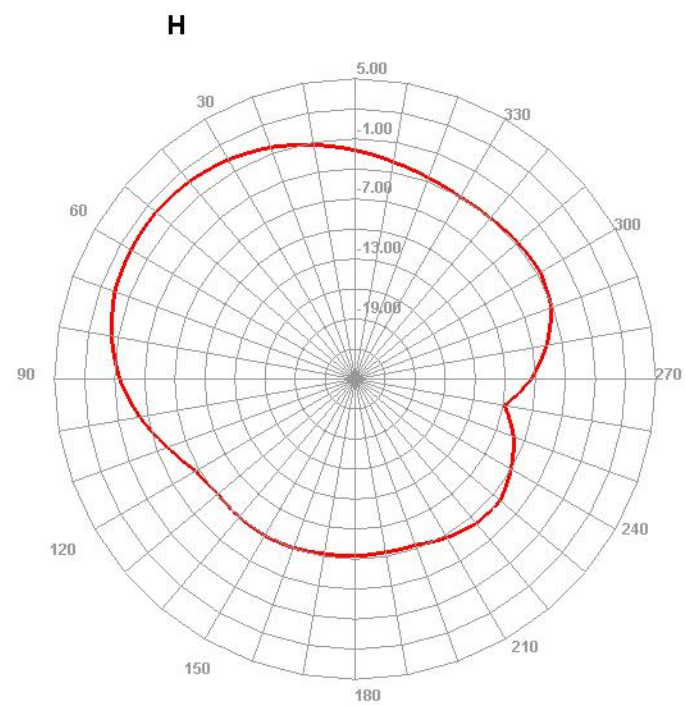
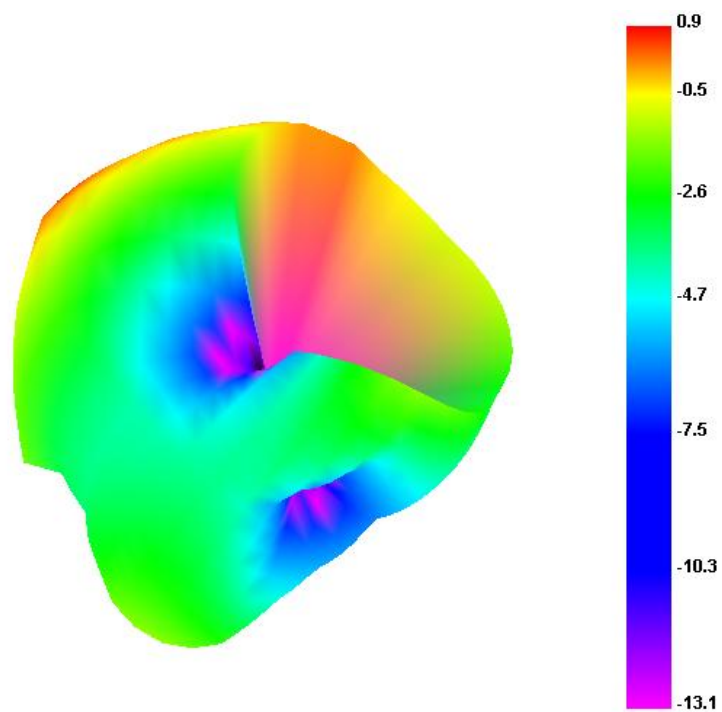
E1



E2

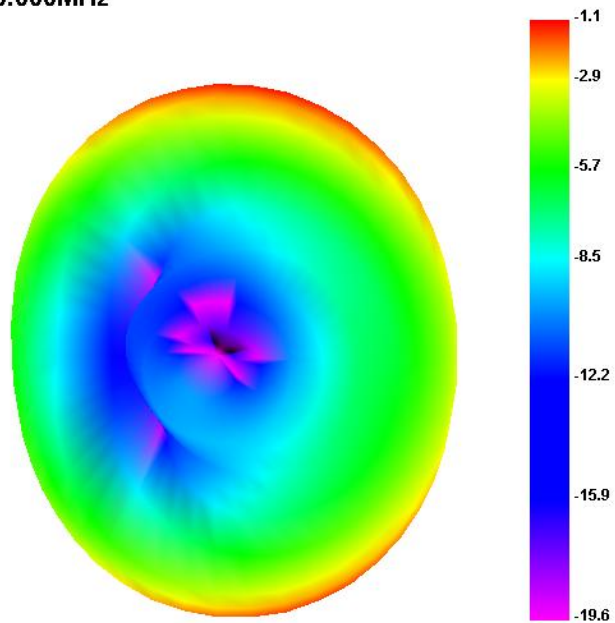


LTE-B7

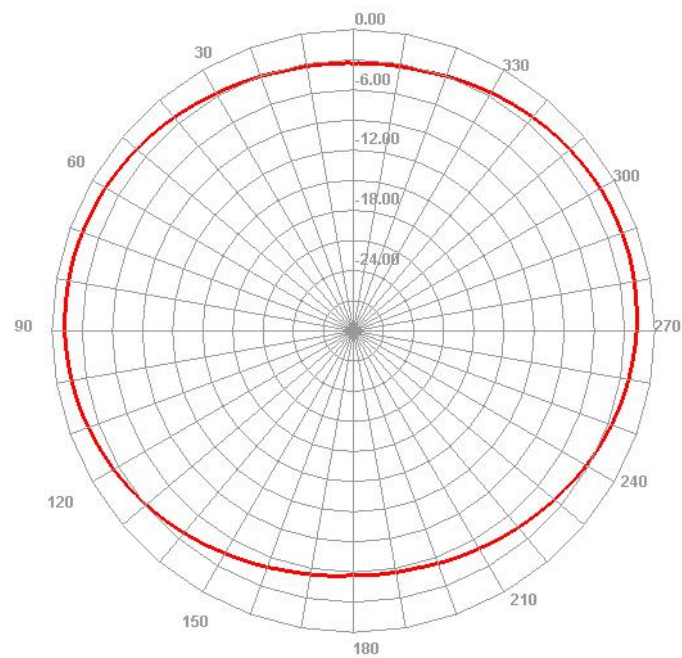


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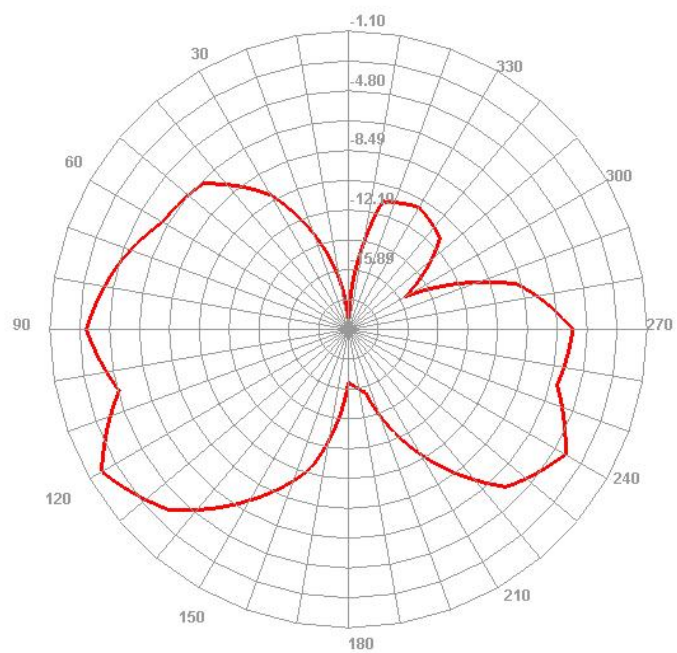
910.000MHz



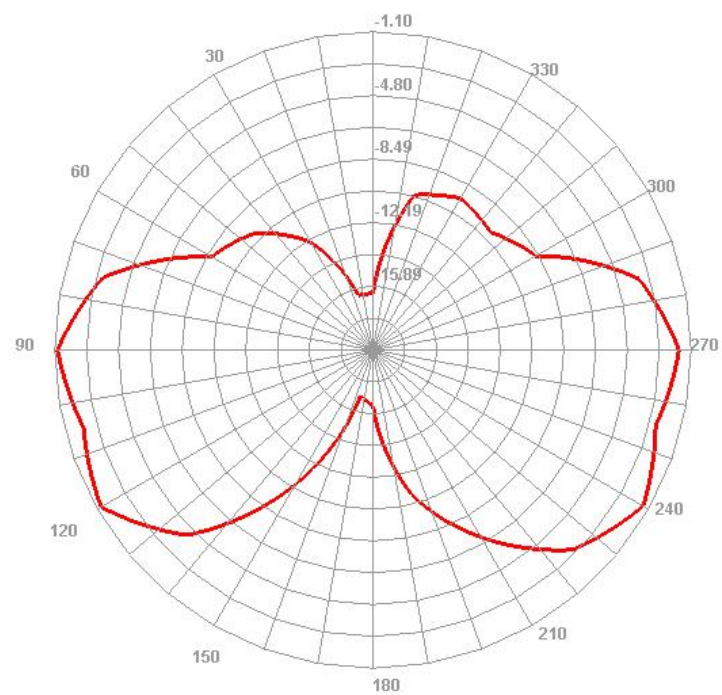
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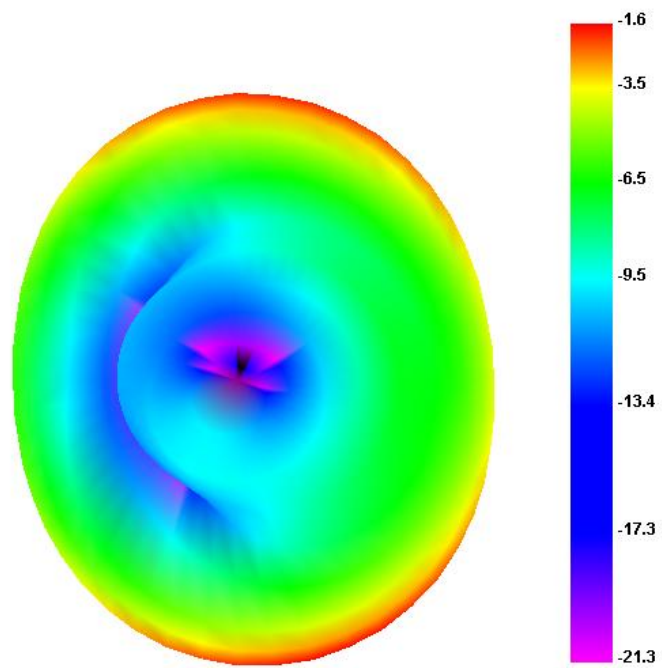
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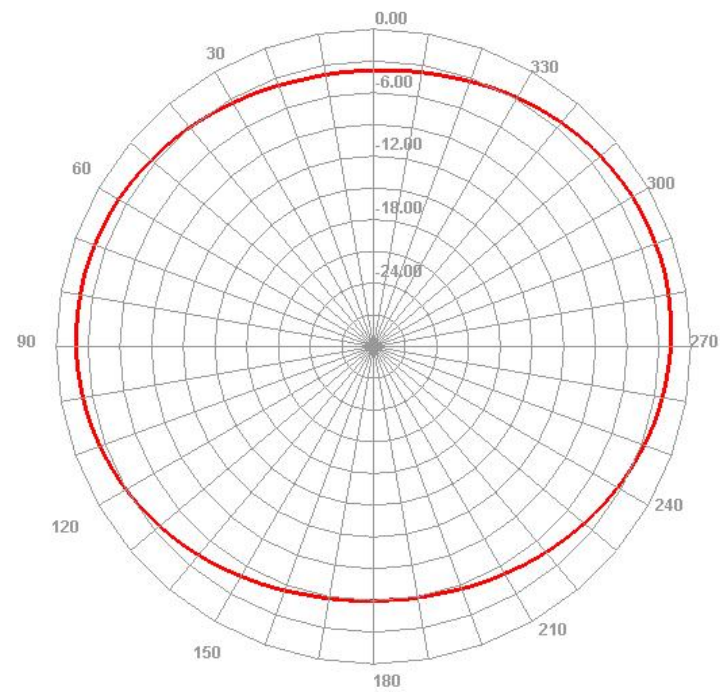
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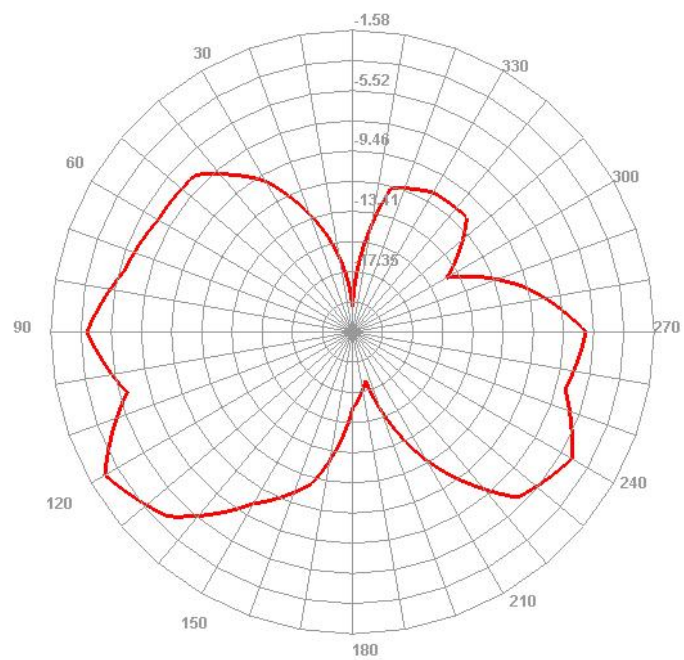
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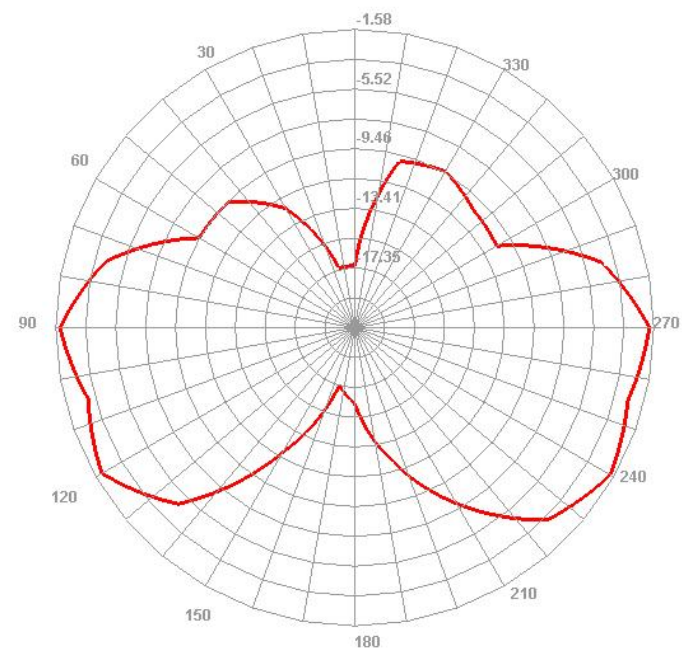
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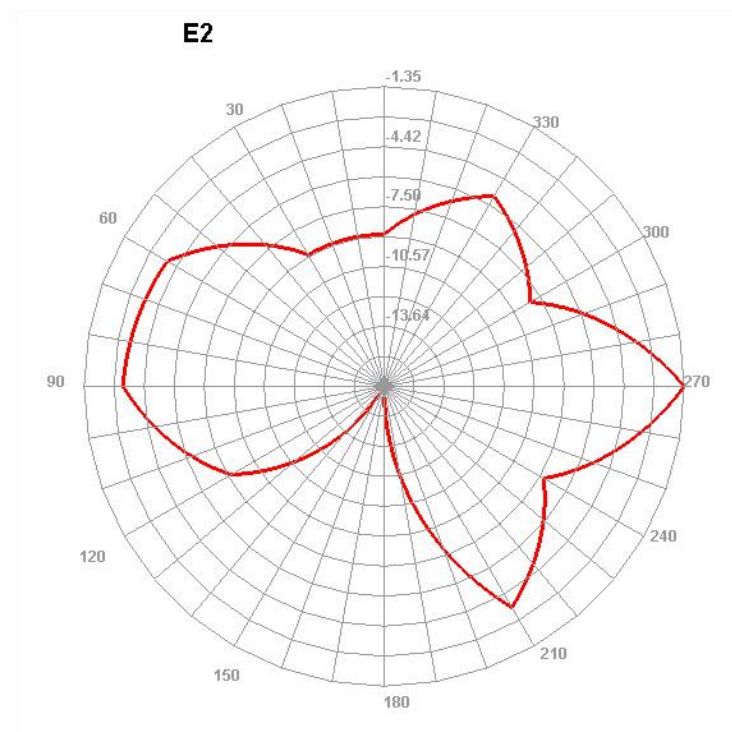
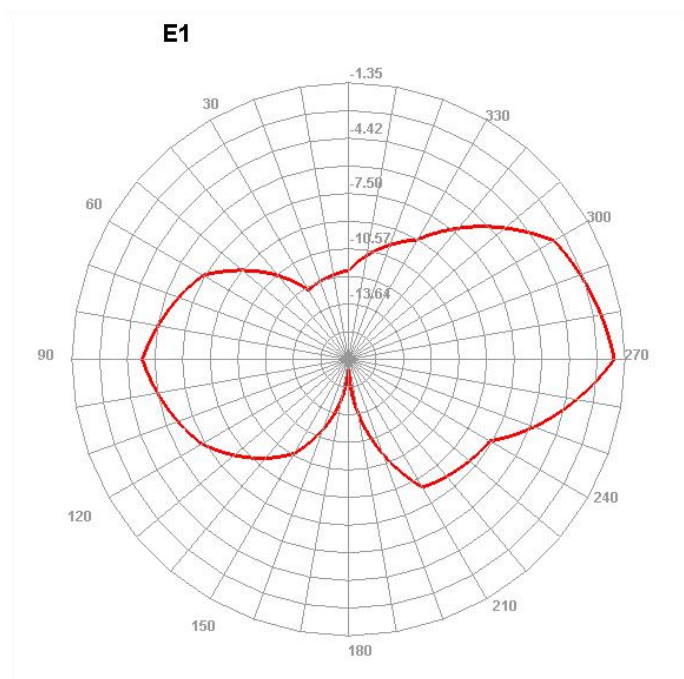
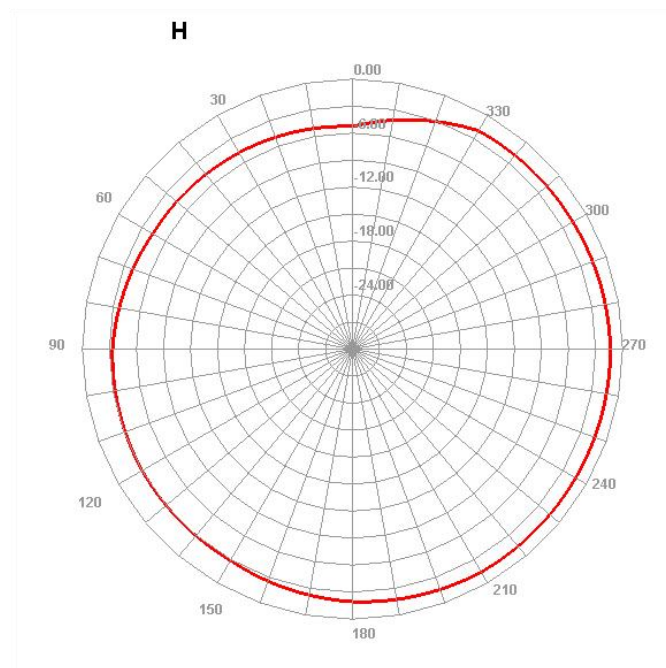
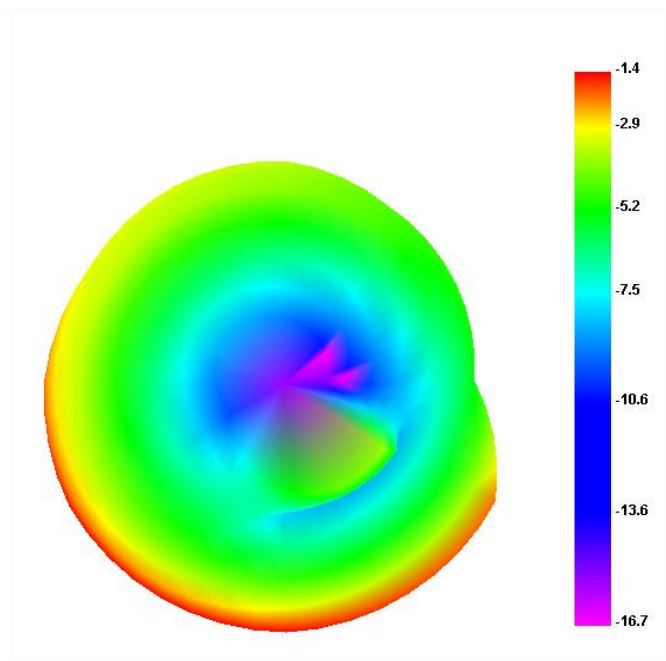
E1



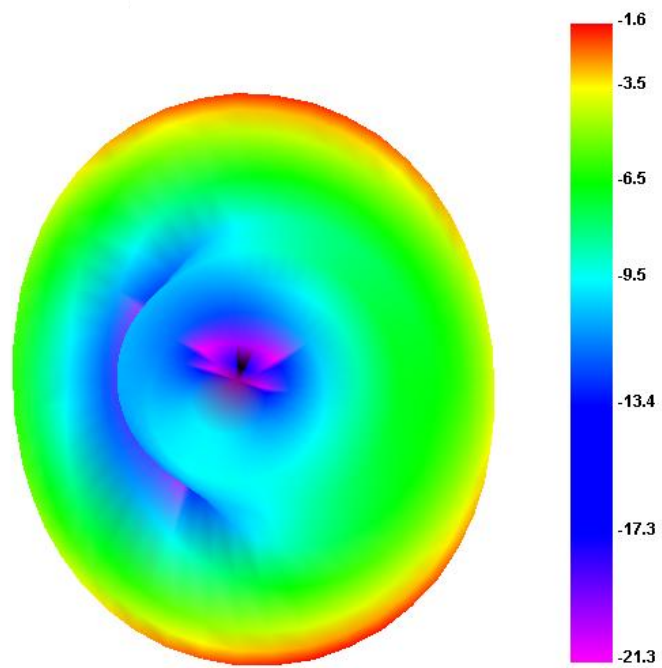
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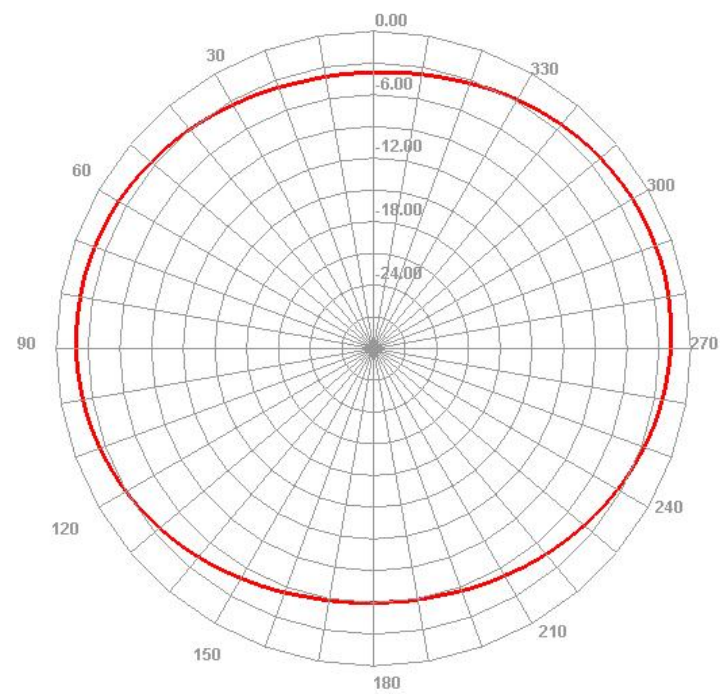
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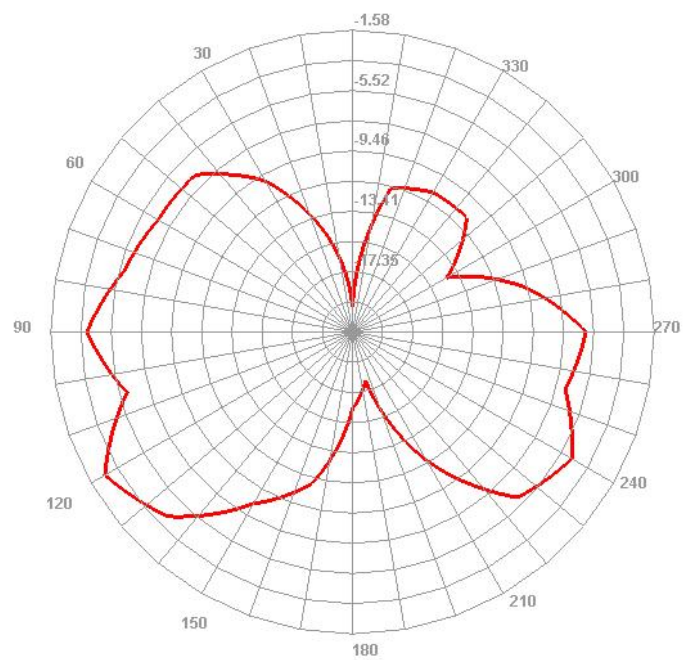
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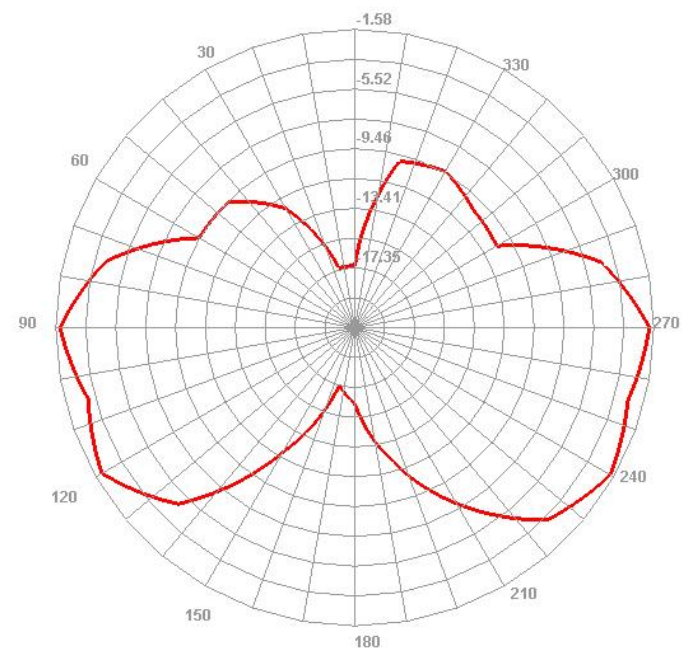
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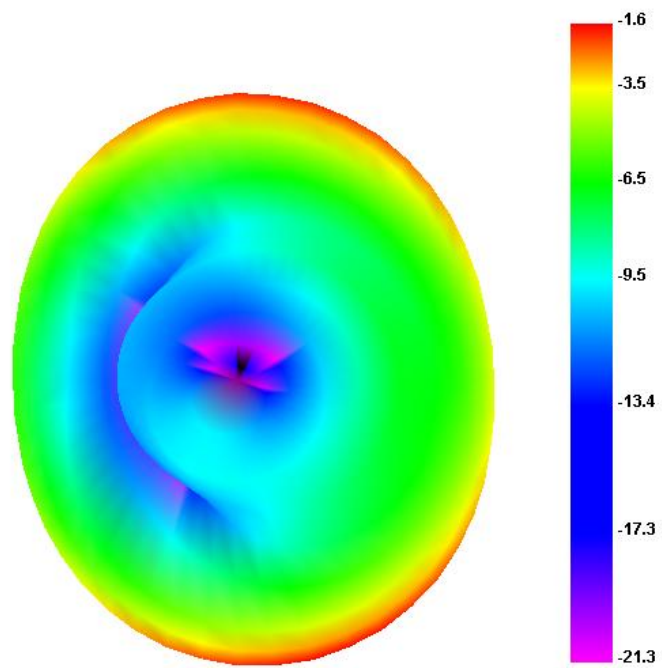
E1



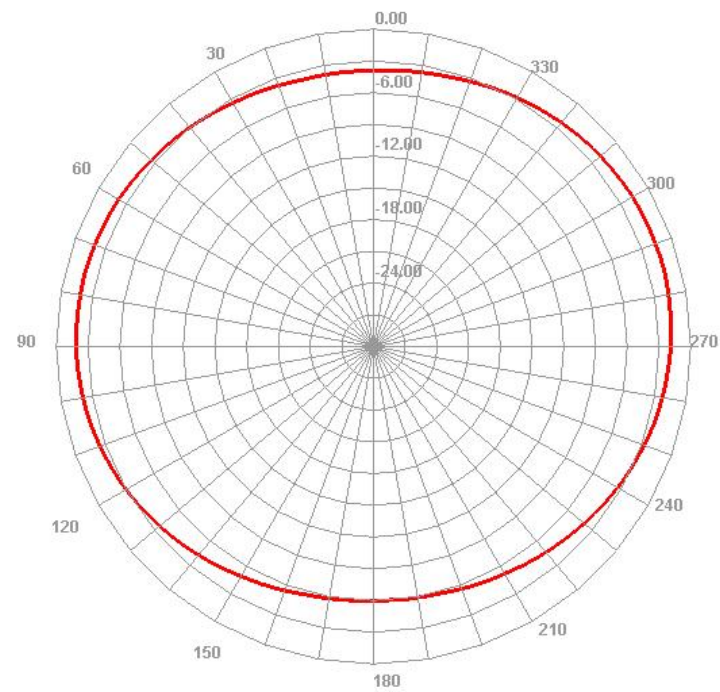
E2



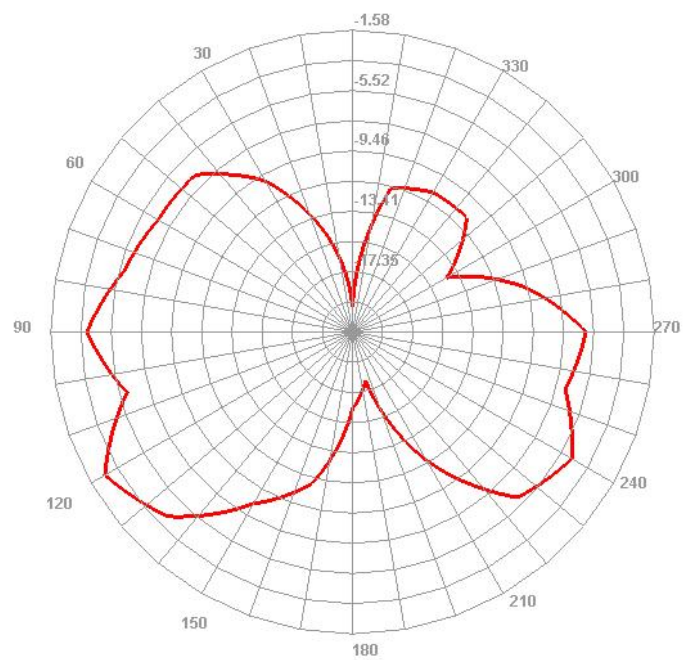
LTE-B28



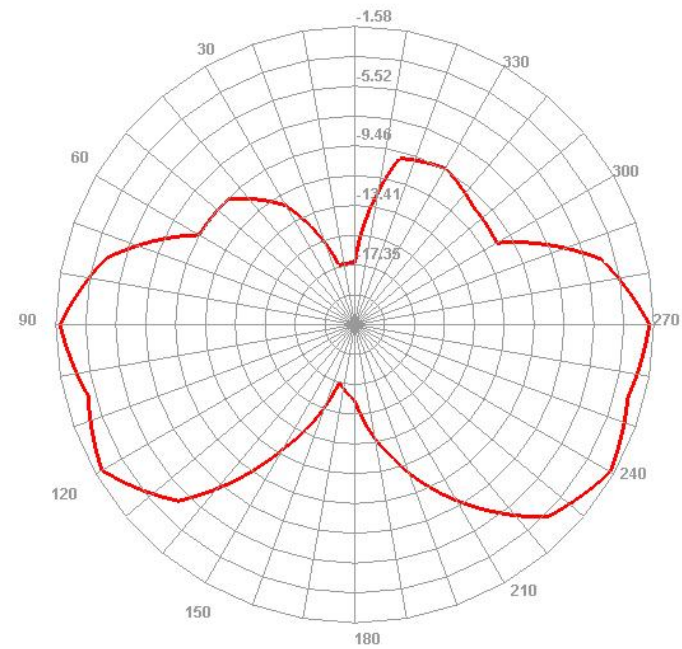
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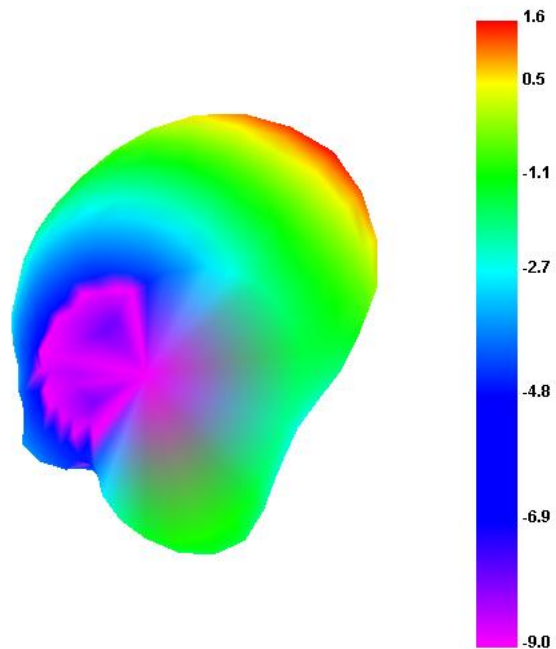
E1



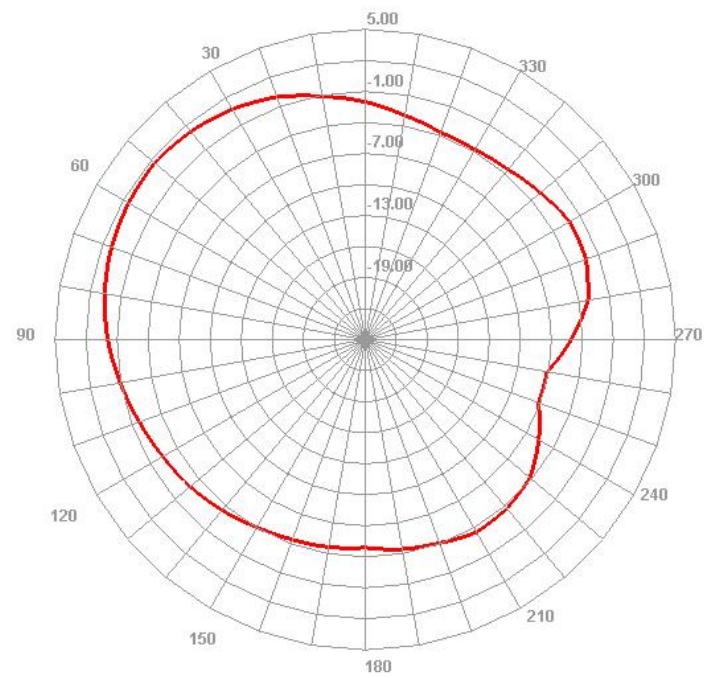
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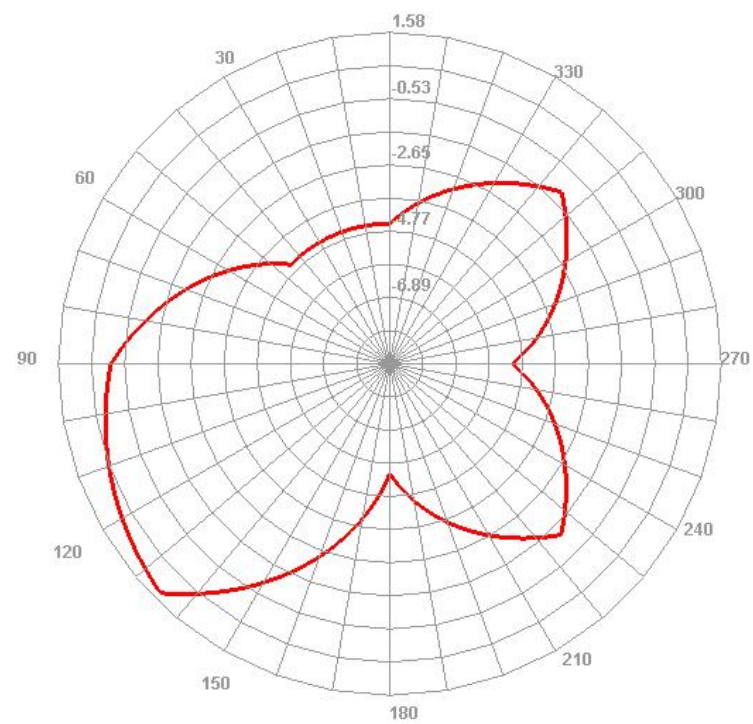
LTE-B66



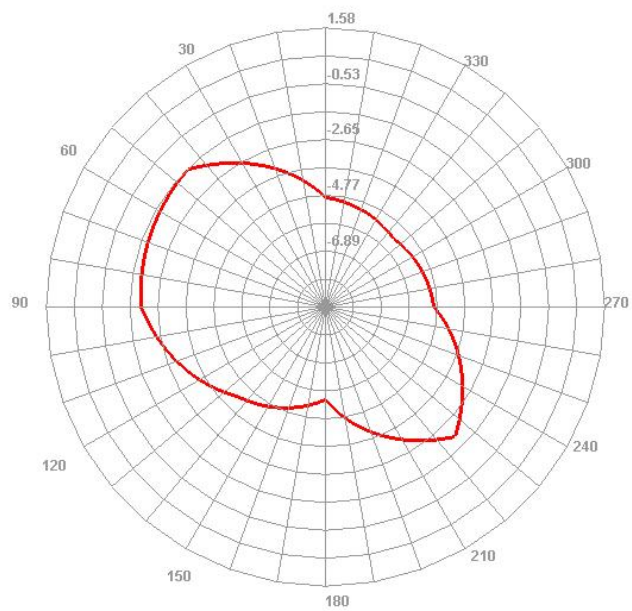
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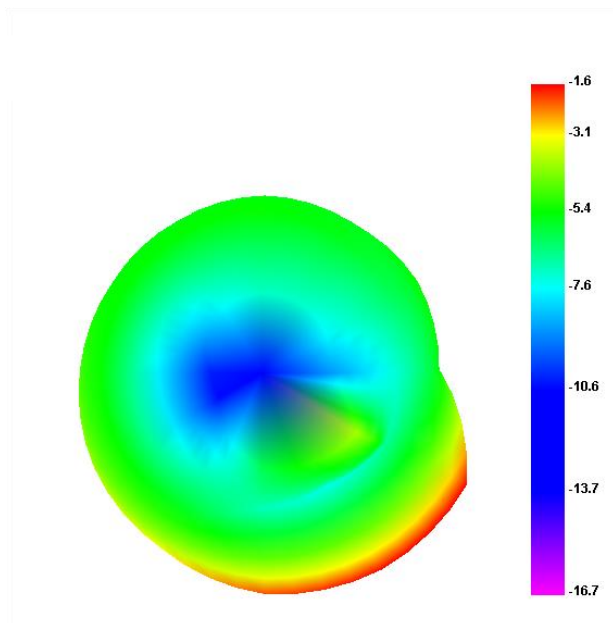
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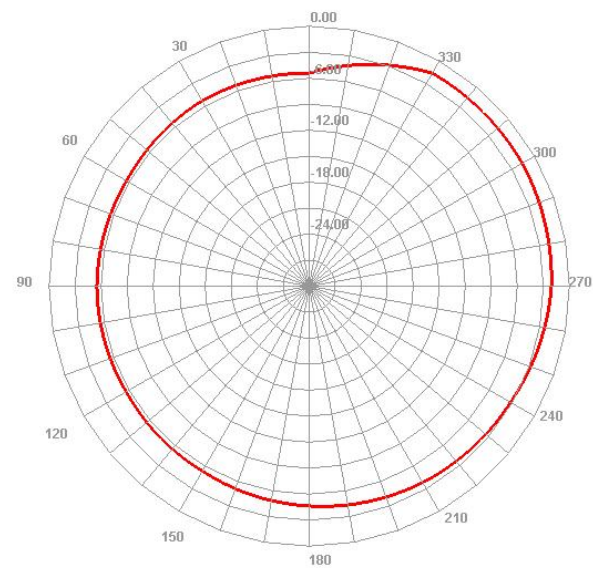
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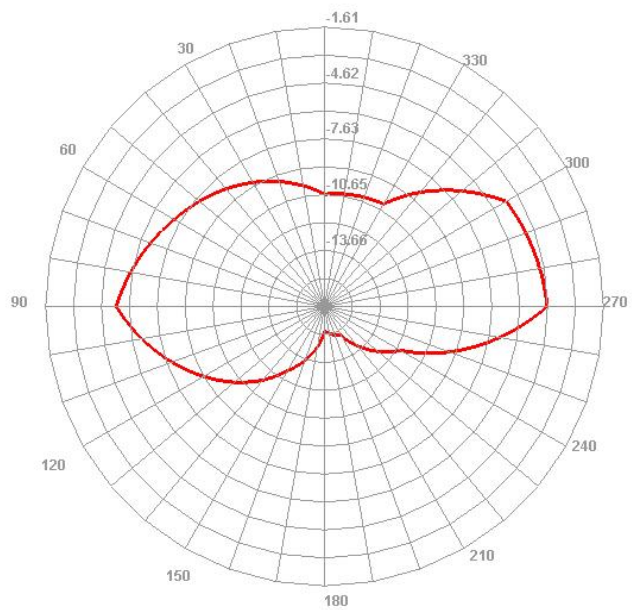
LTE-B71



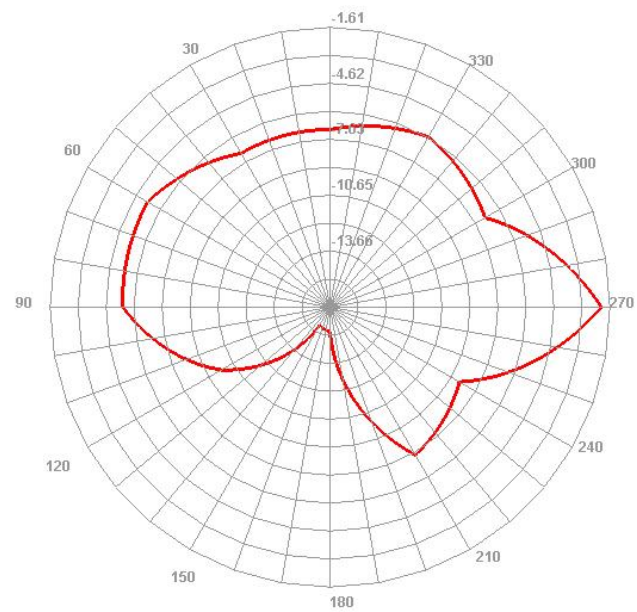
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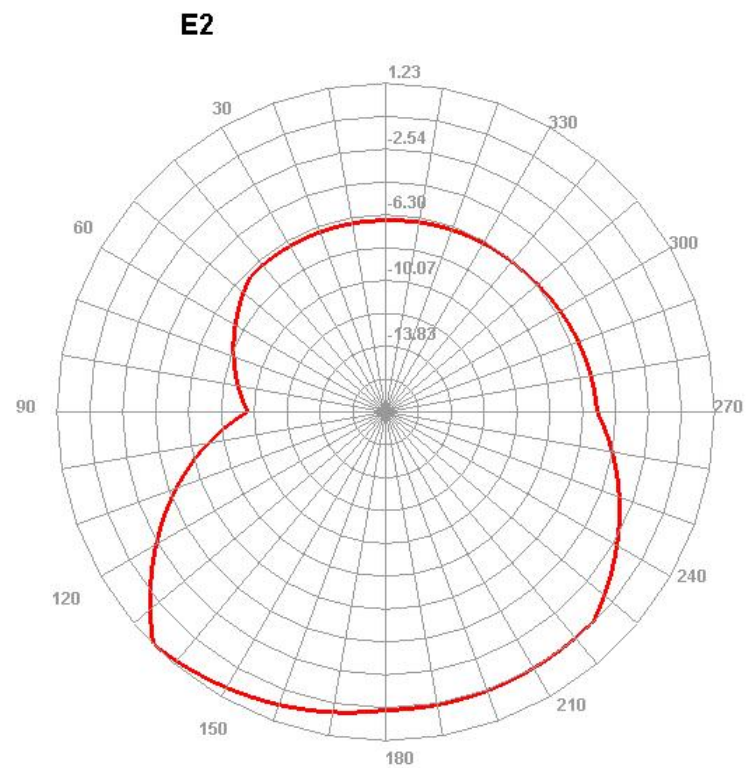
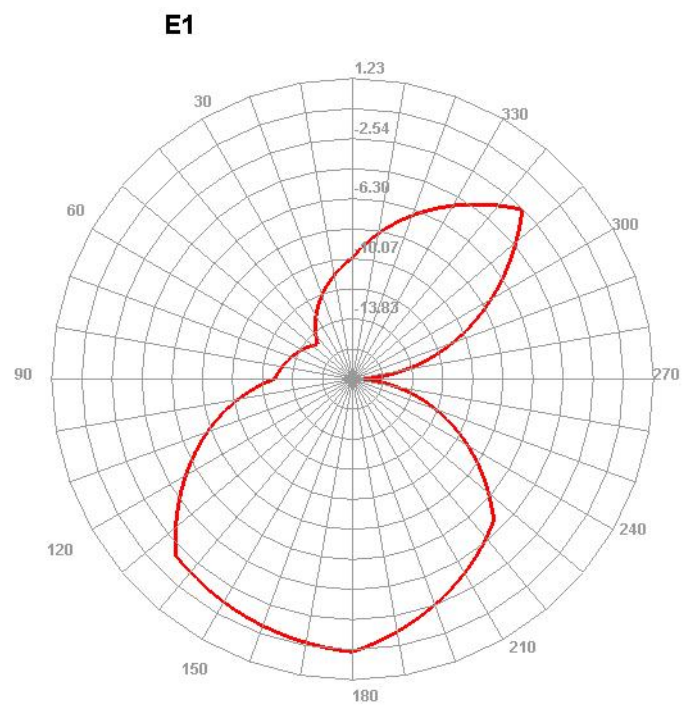
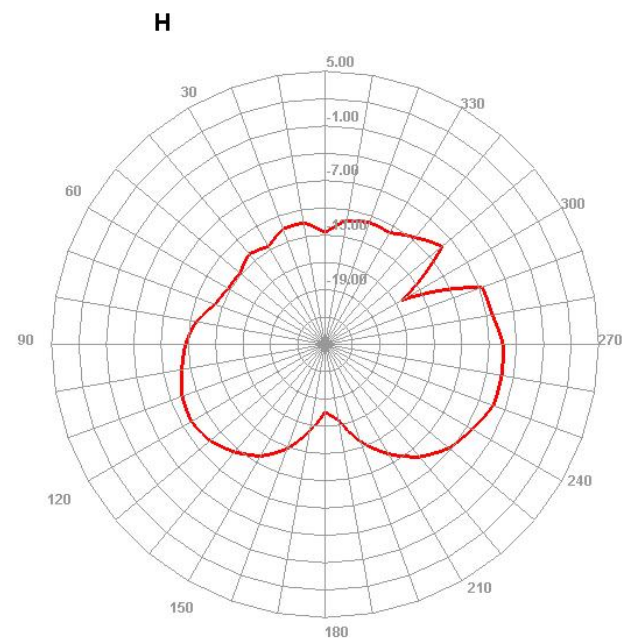
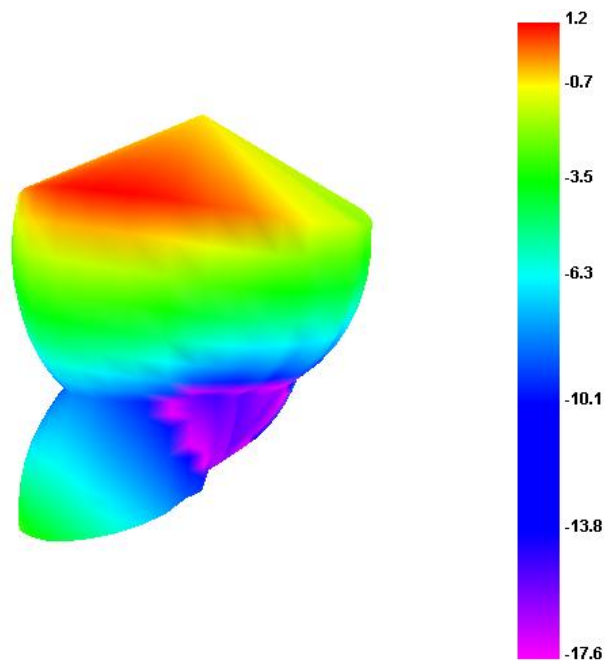
E1



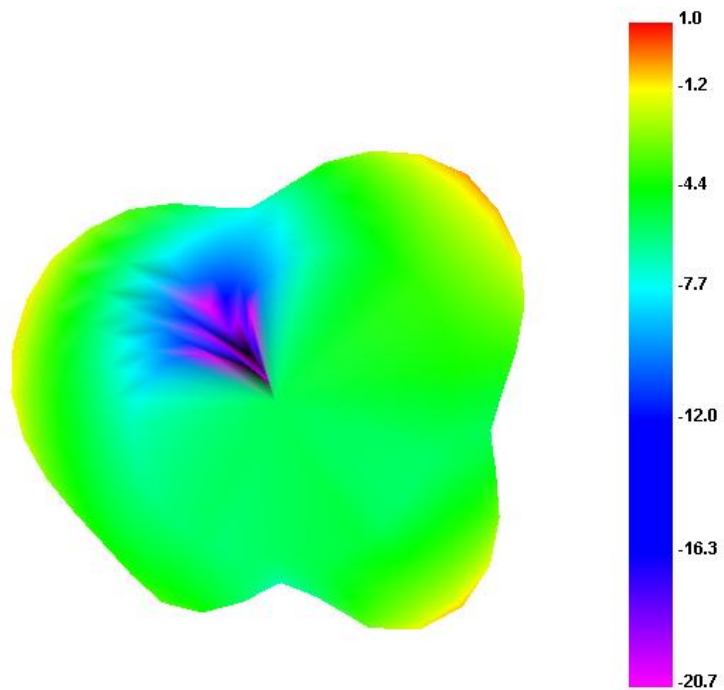
E2



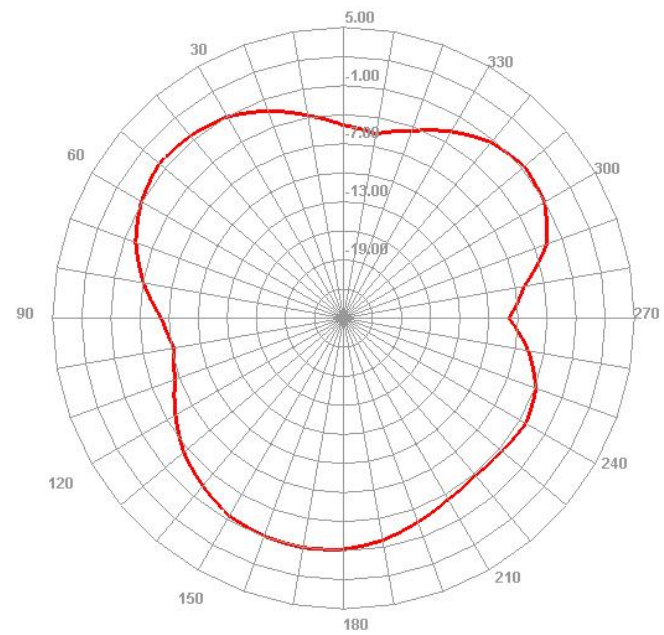
GPS



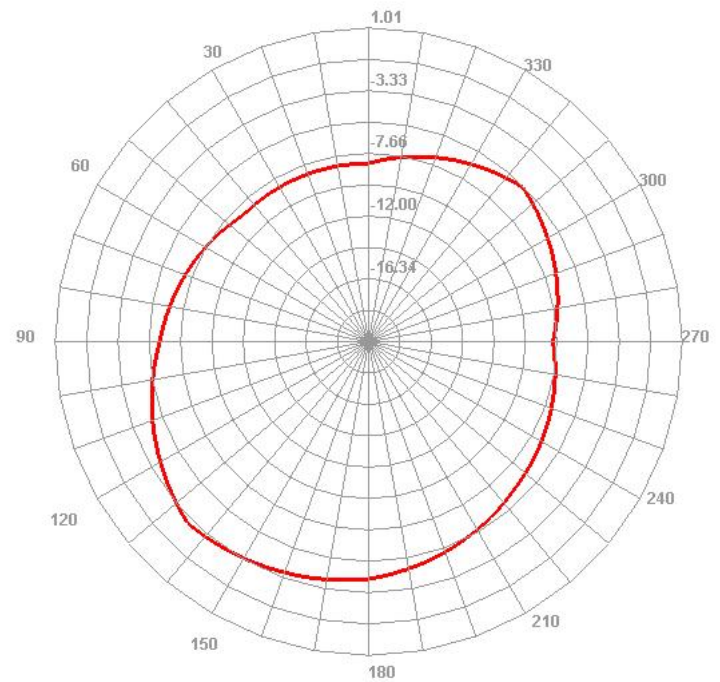
2.4G WIFI



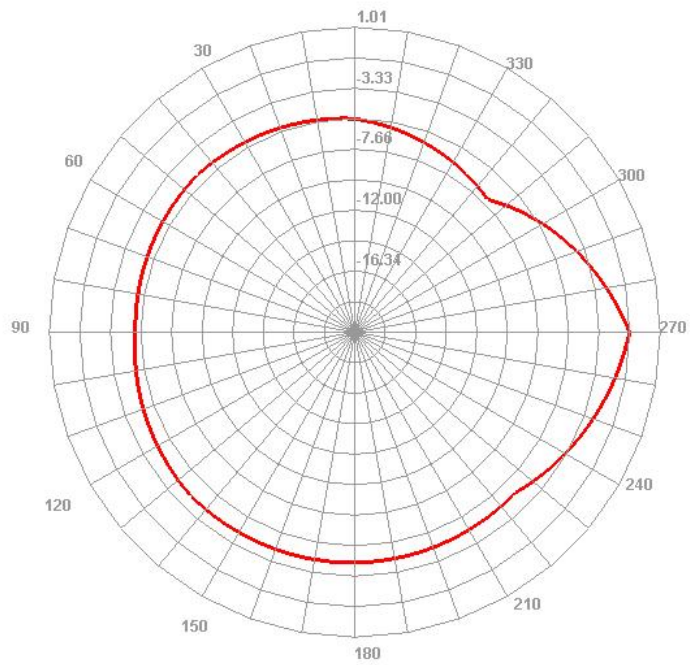
H



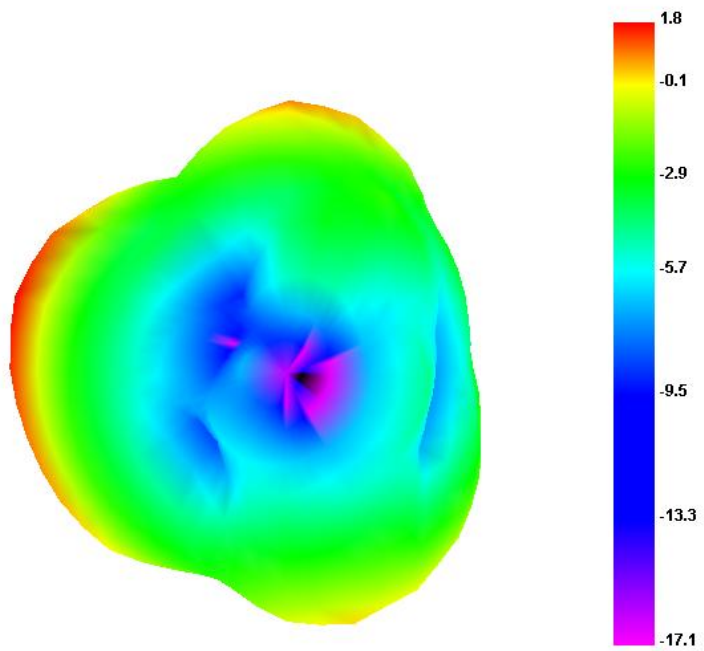
E2



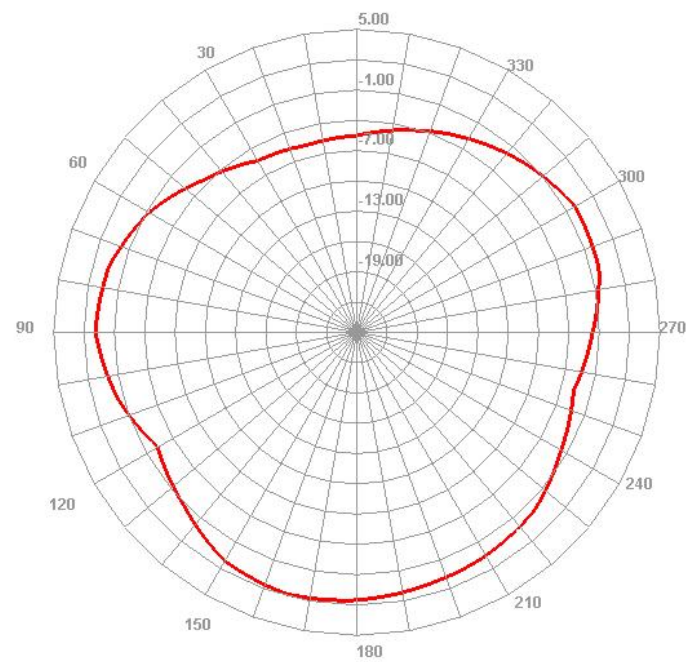
E1



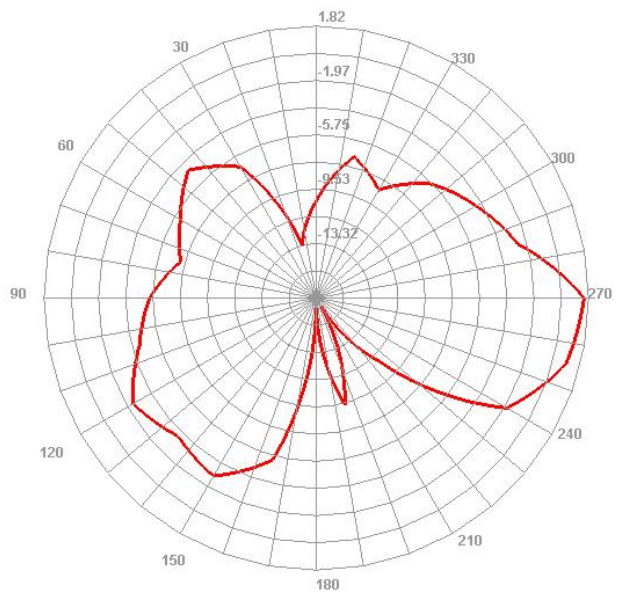
5.18G WiFi



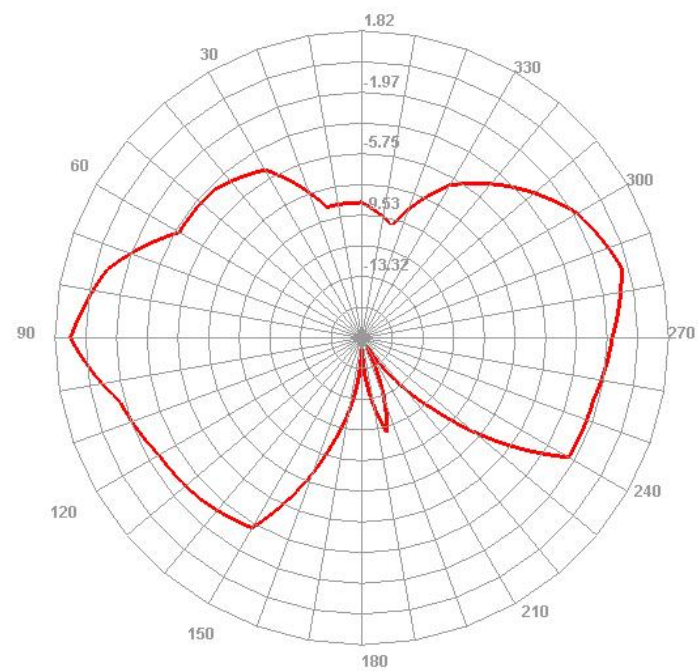
H



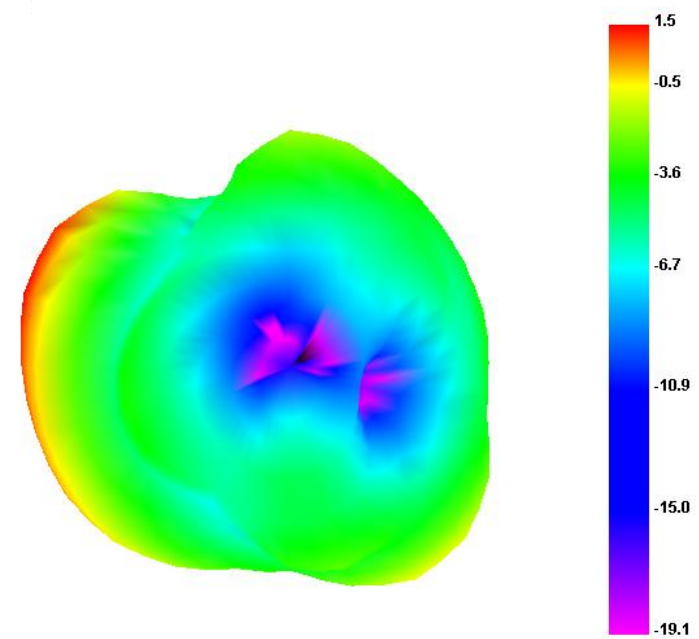
E1



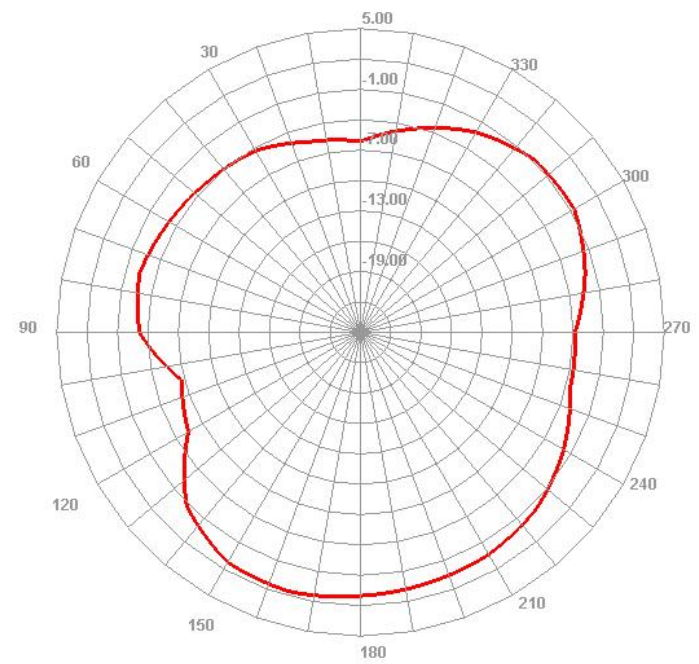
E2



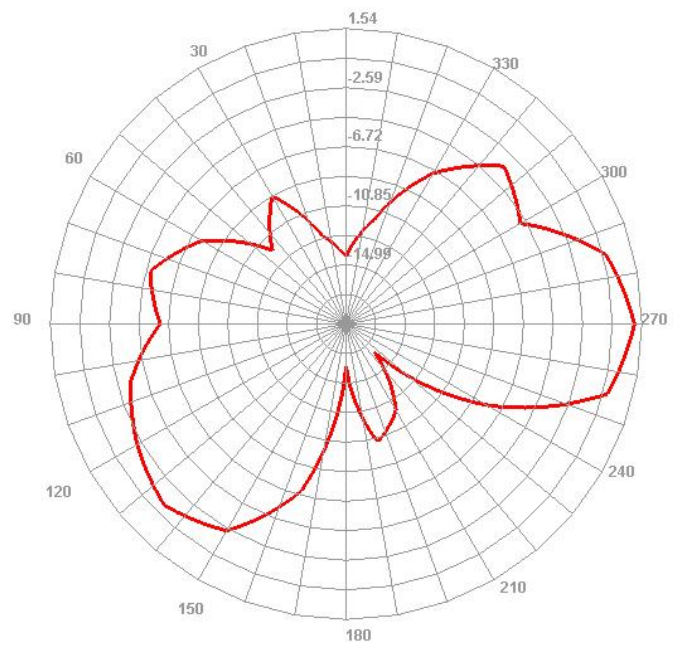
5.8G WiFi



H



E1



E2

