



ShenZhen Huaxinwei communication technology
Co.,Ltd.

Antenna test report

Customer Name: xunrui

Project Name: GQ3289-sh2

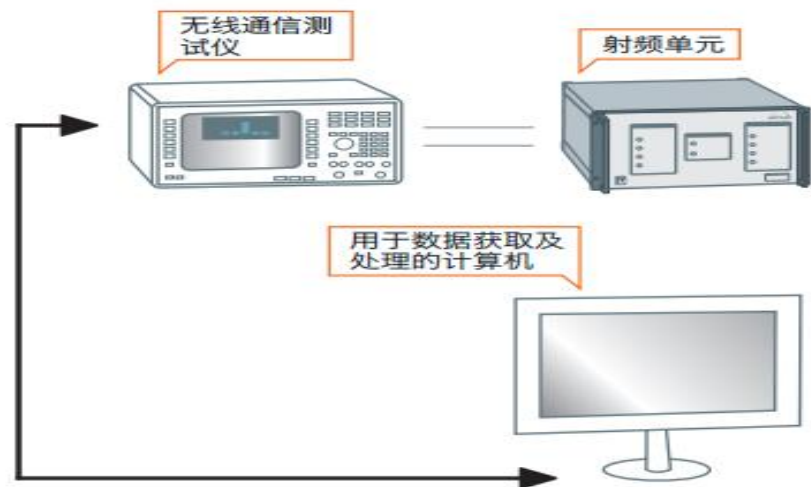
Date: 2024/8/29



The customer name		xunrui	Project Name	GQ3289-sh2
NO.	project	Detailed above		
1	spectrum	GSM850/900/1800/1900+WCDMA-B1/2/5/8+LTE-B1/2/3/4/5/7/8/12/17/28/66/B38/B40/B41+GPS/WIFI/BT		
2	Project type	The mobile phone		
3	Antenna space area			
4	Feed point type			
5	The sensitivity			
6	Type of antenna	PIFA		
7	The length of the PCB board			
8	note	Debugging prototype		
RF		JIN KAIKAI	18126430782	HUAXINWEI COMMUNICATION TECHNOIGY CO,LTD

1、Test system and test equipment

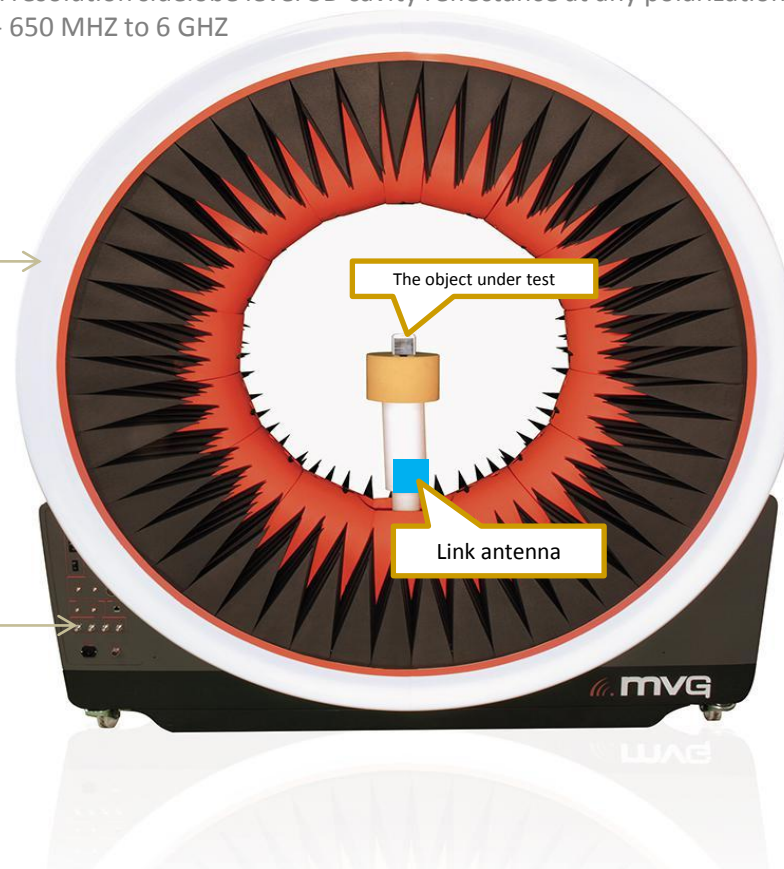
System Brand: MVG(SATIMO) measurement features: gain • pattern beamwidth cross polarization resolution sidelobe level 3D cavity reflectance at any polarization cavity reflectance (line or arc) antenna efficiency TRP, TIS, EIRP and EIS. Frequency band: StarLab 6 GHZ - 650 MHZ to 6 GHZ



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

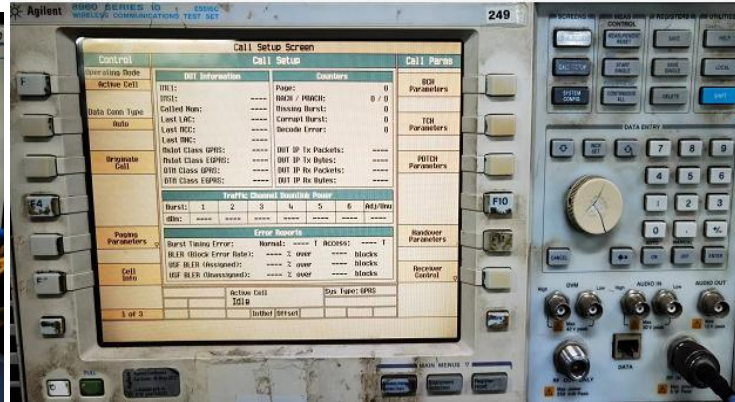


TIS 3D方位切割强度图



TRP 3D方位切割强度图

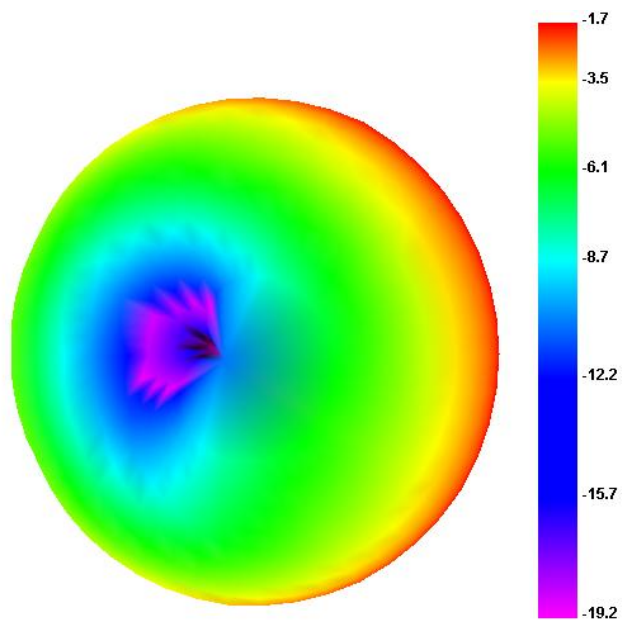
Test Equipment



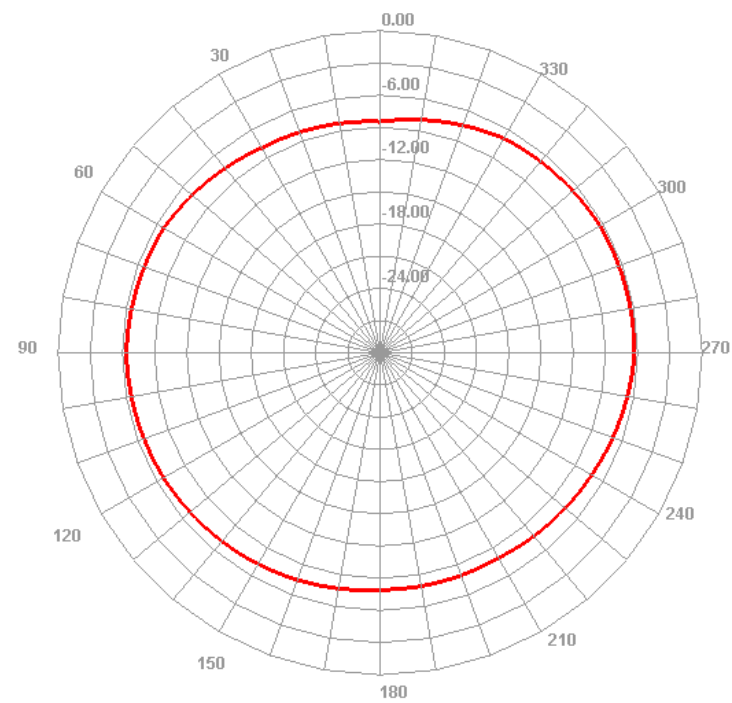
Efficient (2G+3G+4G+2. 4G-WiFi /BT)

PEAK GAIN			
2G:	Frequency range	Effi %	Gaim dBi
GSM850	824~894Mhz	21. 75	-1. 71
GSM900	880~960Mhz	20. 84	-1. 53
DCS1800	1710~1880Mhz	40. 62	1. 59
PCS1900	1850~1990Mhz	40. 81	1. 58
3G:			
W1	1920~2170Mhz	37. 85	1. 64
W2	1850~1990Mhz	36. 81	1. 58
W4	1710~2155Mhz	39. 07	1. 44
W5	824~894Mhz	21. 80	-1. 71
W8	880~960Mhz	20. 84	-1. 53
4G:			
LTE-B1	1920~2170Mhz	37. 85	1. 64
LTE-B2	1850~1990Mhz	40. 81	1. 58
LTE-B3	1710~1880Mhz	38. 62	1. 59
LTE-B4	1710~2155Mhz	39. 07	1. 44
LTE-B5	824~894Mhz	21. 80	-1. 71
LTE-B7	2500~2690Mhz	28. 01	1. 44
LTE-B8	880~960Mhz	20. 84	-1. 53
LTE-B12	698~746Mhz	19. 03	-1. 8
LTE-B17	704~746Mhz	19. 04	-1. 8
LTE-B19	824~894Mhz	21. 80	-1. 71
LTE-B20	824~894Mhz	19. 04	-1. 71
LTE-B26	824~894Mhz	19. 04	-1. 71
LTE-B28	708~798Mhz	19. 05	-1. 8
LTE-B66	1710~2170Mhz	39. 08	1. 59
LTE-B38	2500~2690Mhz	28. 26	1. 44
LTE-B40	2300~2399Mhz	30. 26	1. 86
LTE-B41	2500~2690Mhz	28. 52	1. 44
2. 4G-WIFI	2400~2500Mhz	42. 52	1. 01
5. 8G WIFI	5000~5800Mhz	40. 24	1. 54
BT	2400~2500Mhz	42. 51	1. 01
GPS	1575Mhz	34. 73	1. 03

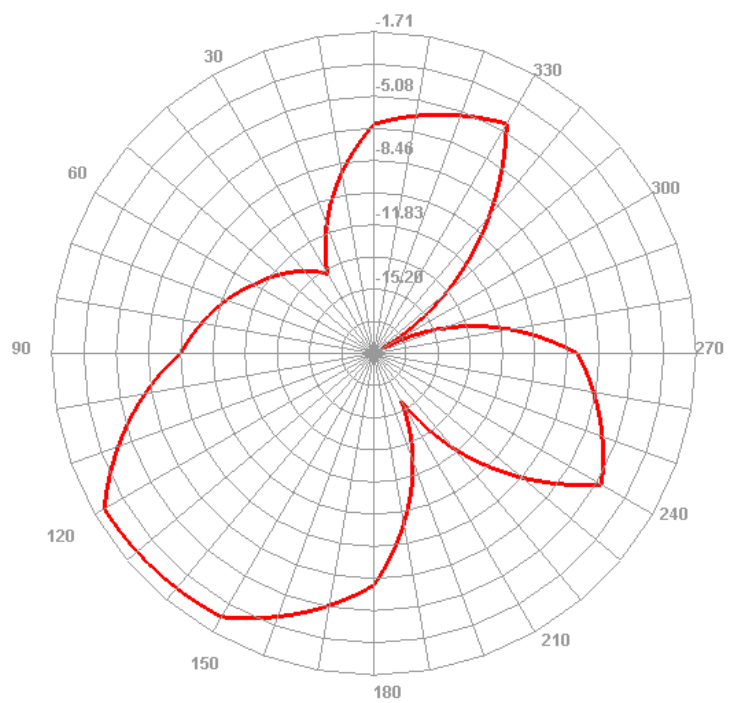
GSM 850



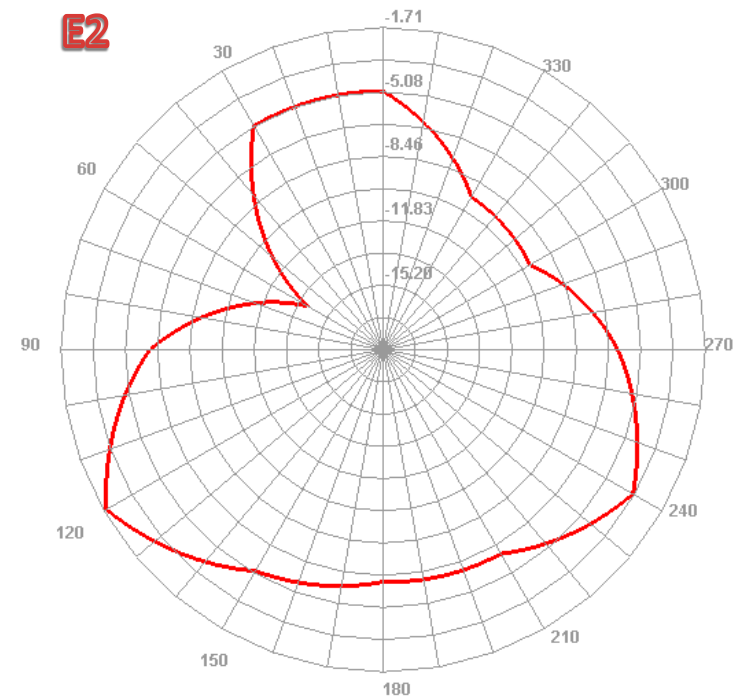
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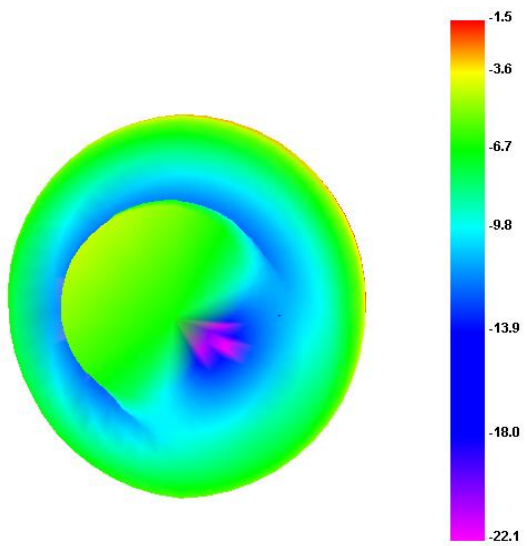
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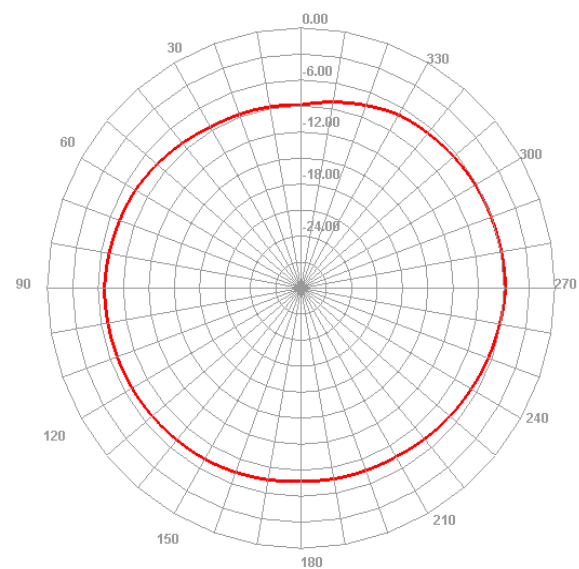
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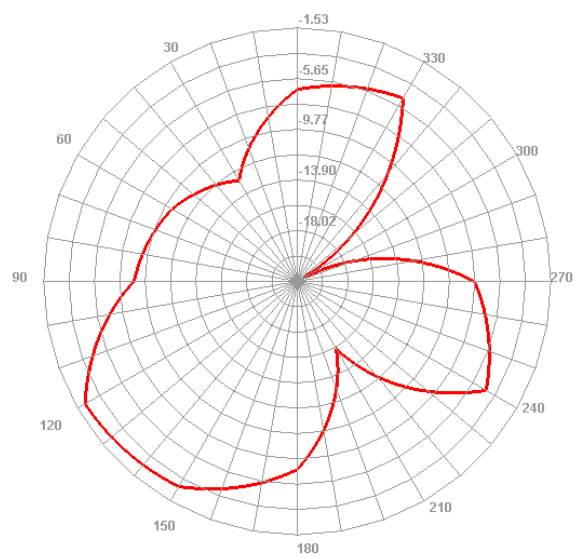
GSM 900



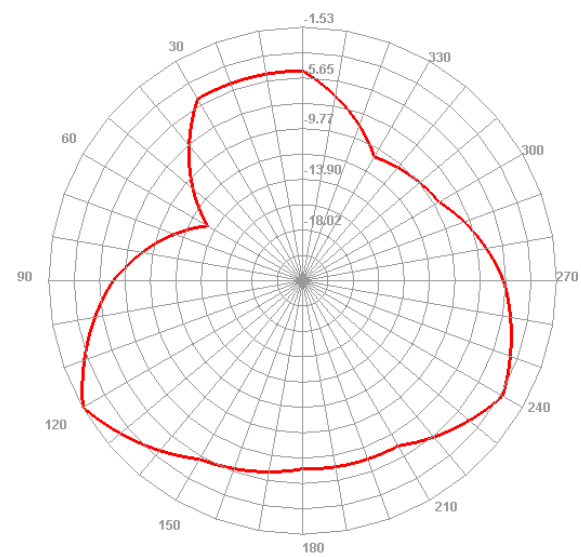
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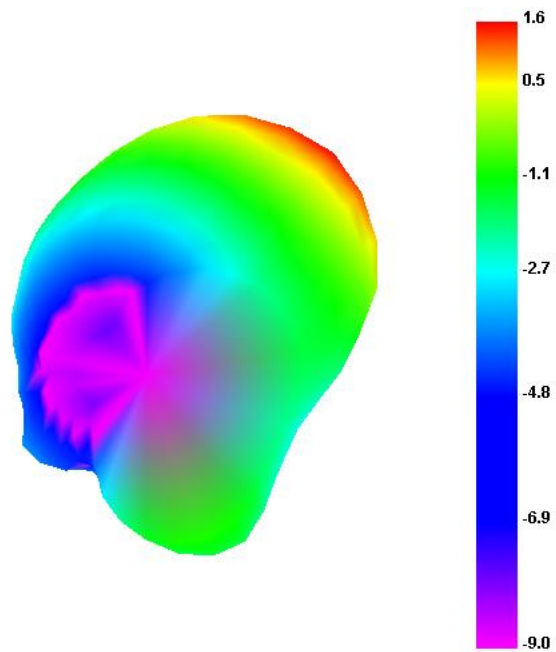
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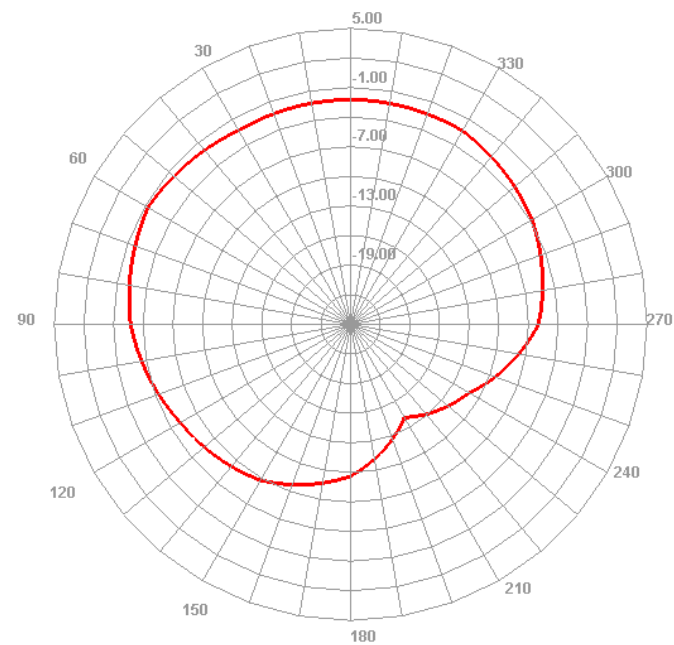
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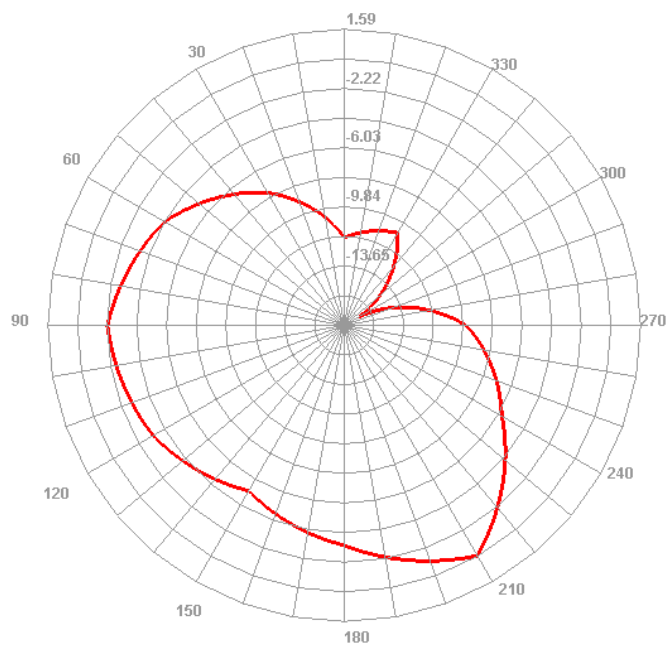
DCS1800



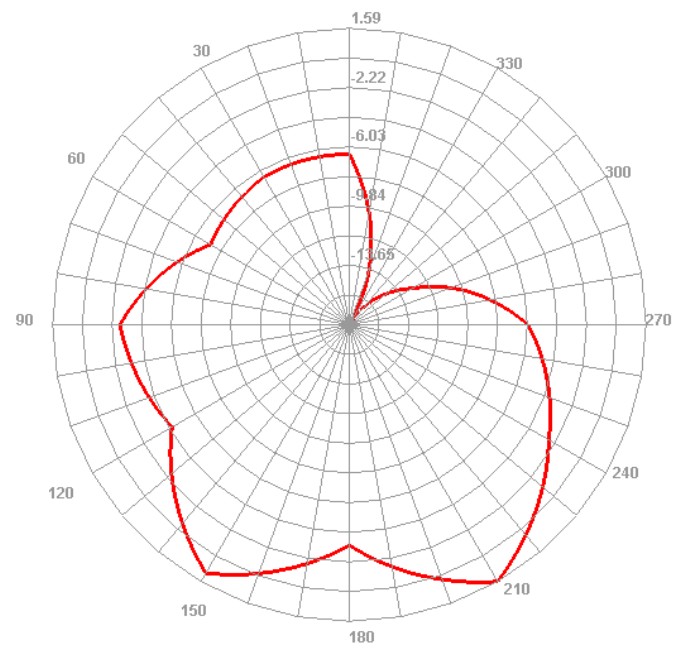
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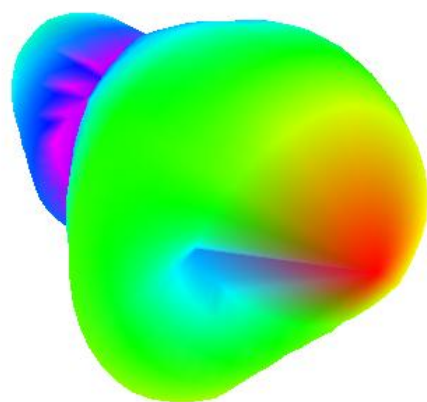
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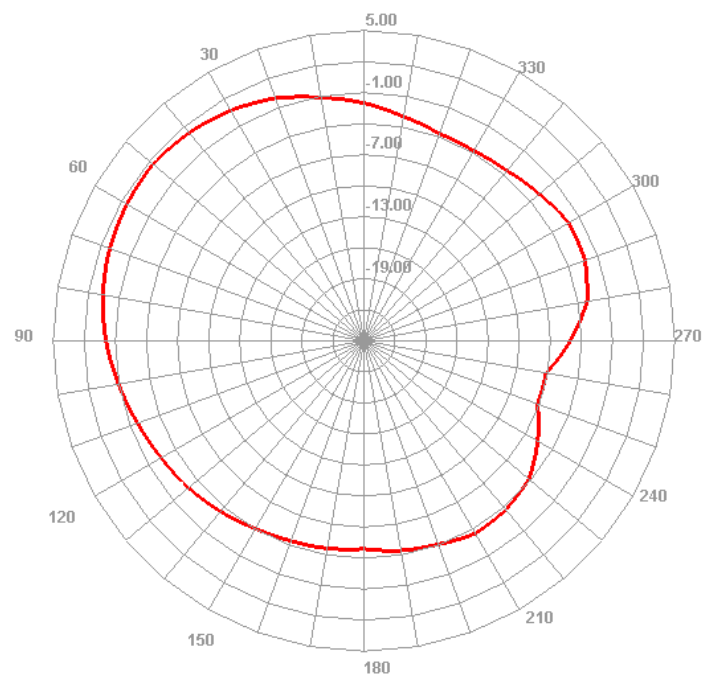
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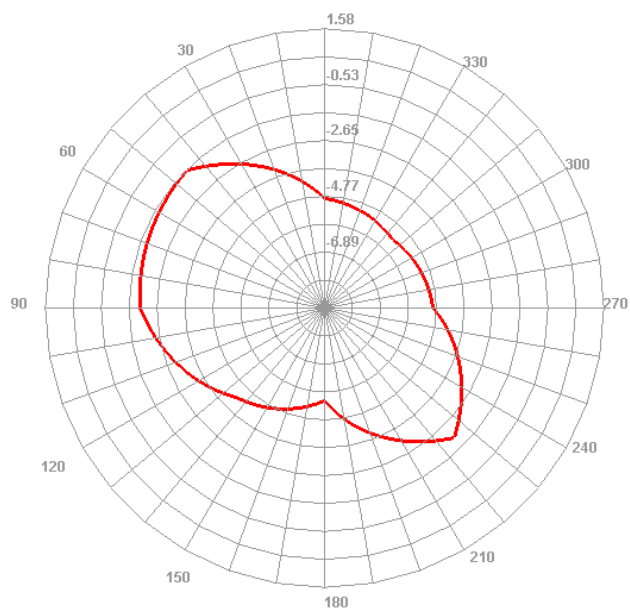
PCS1900



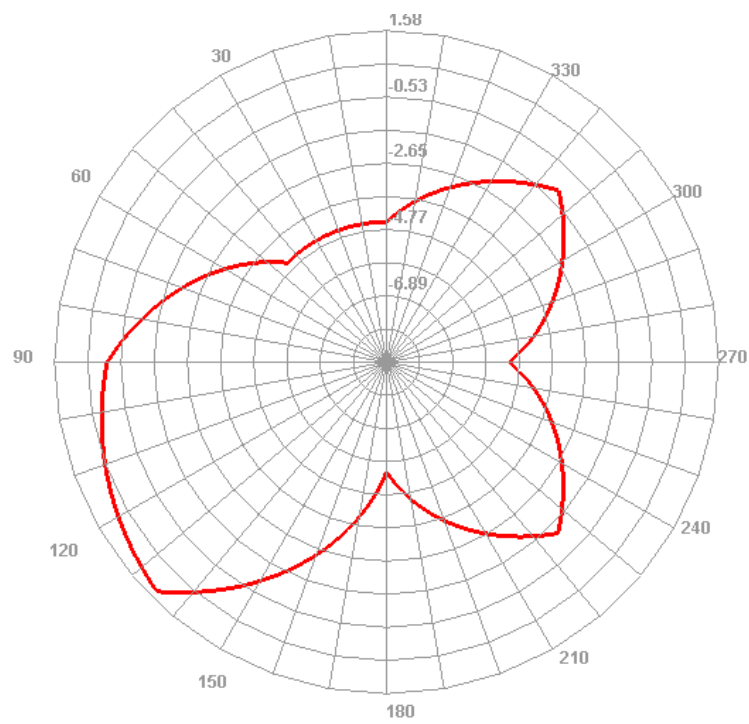
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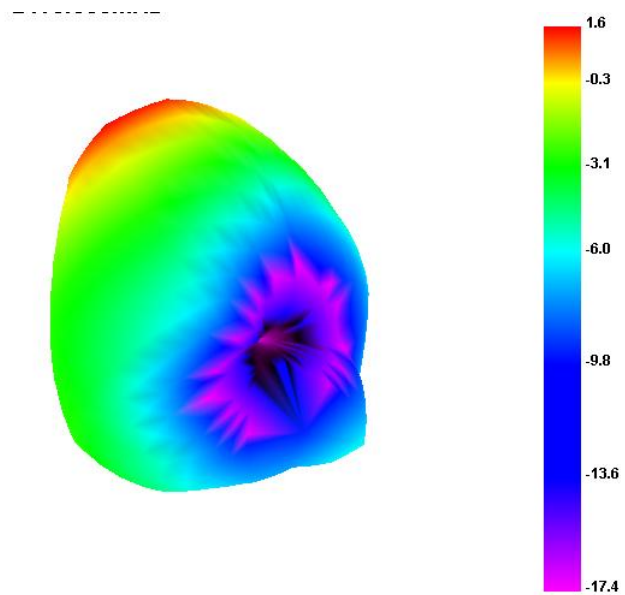
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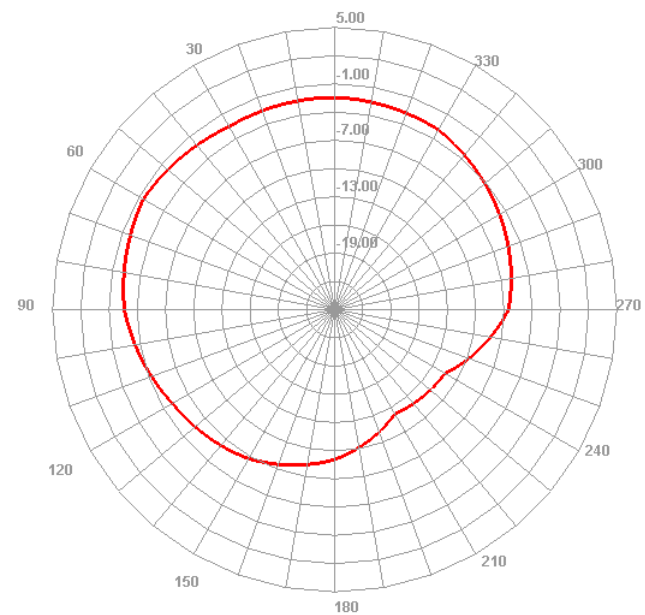
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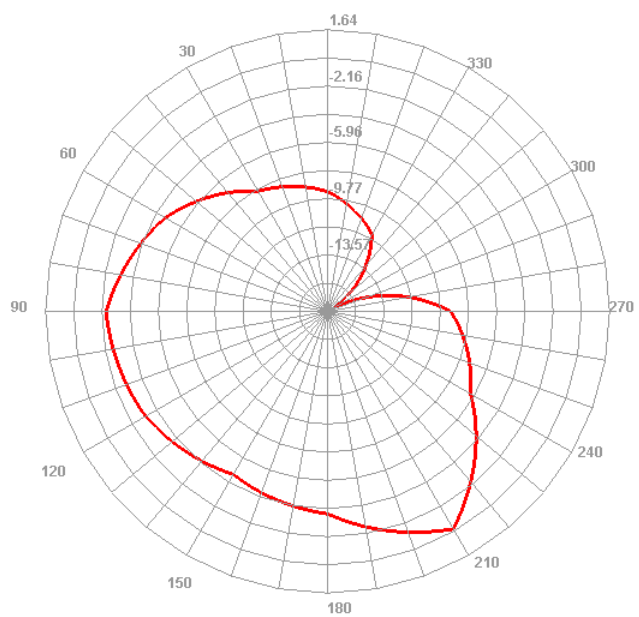
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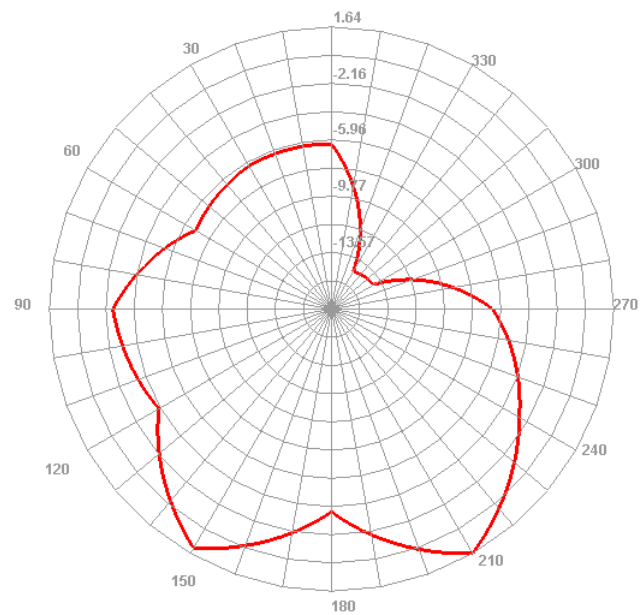
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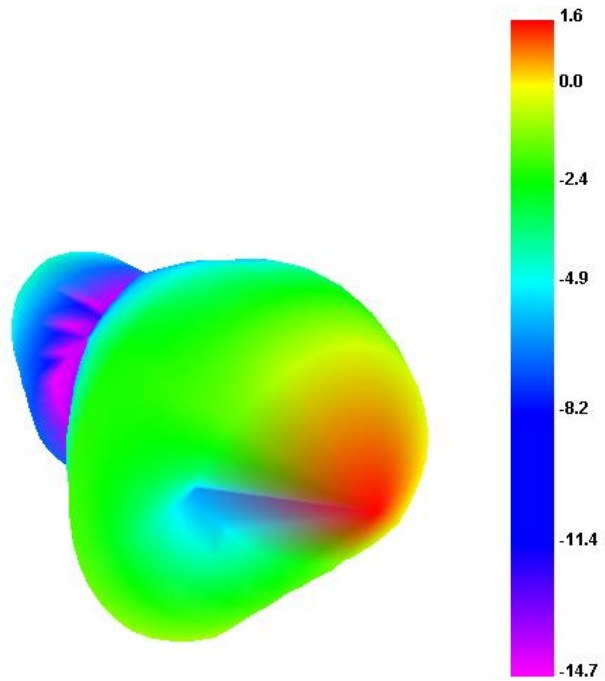
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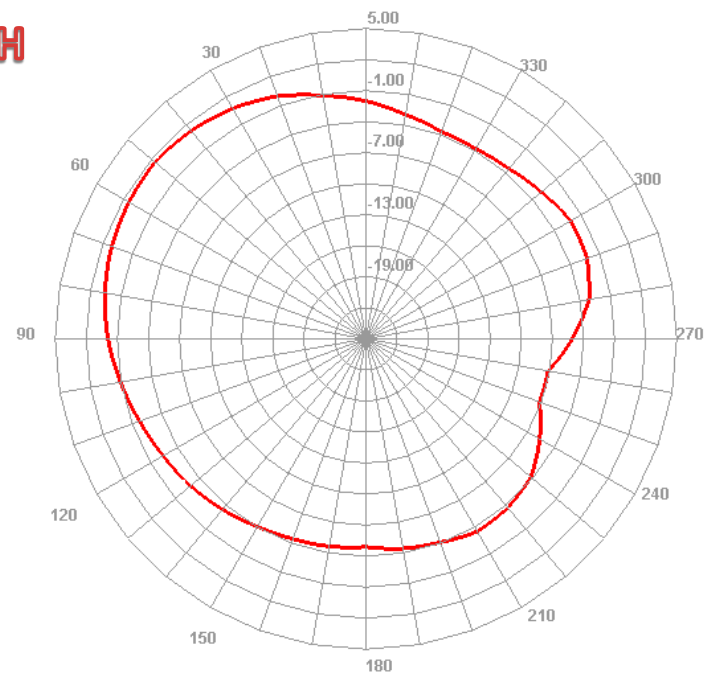
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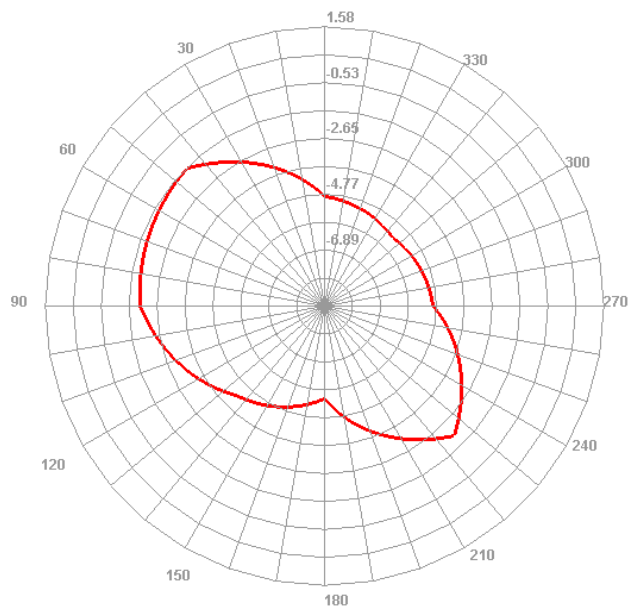
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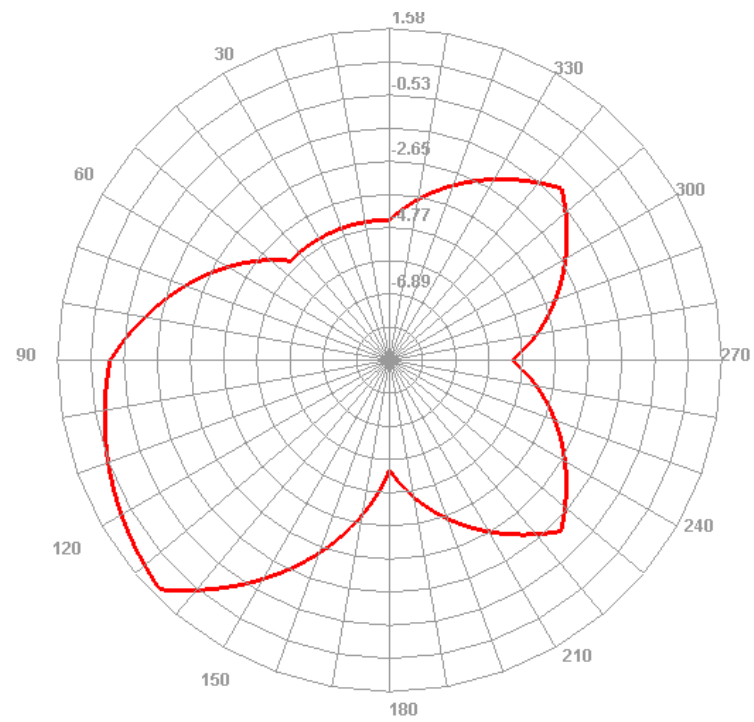
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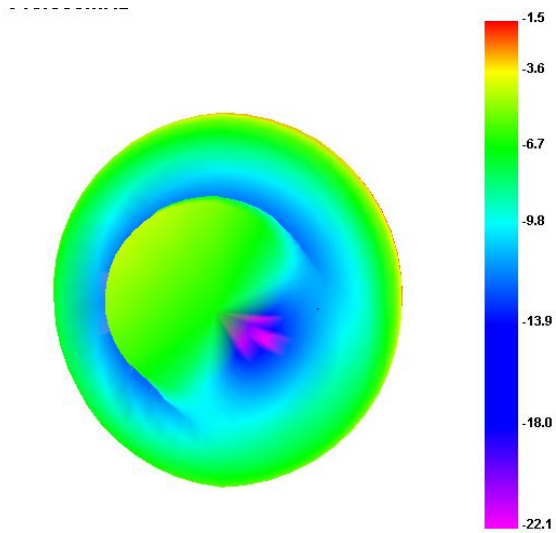
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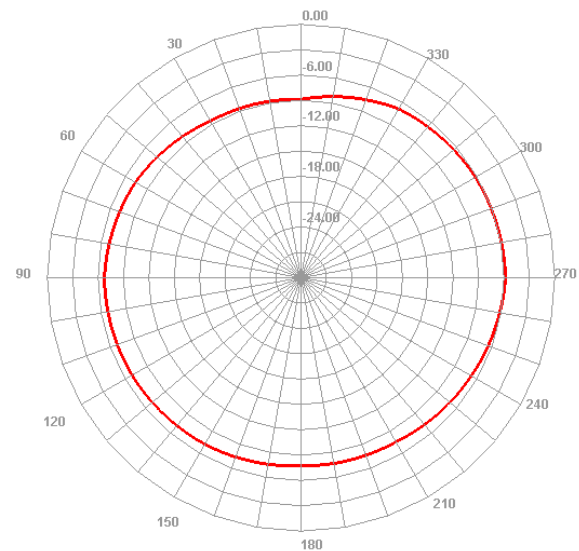
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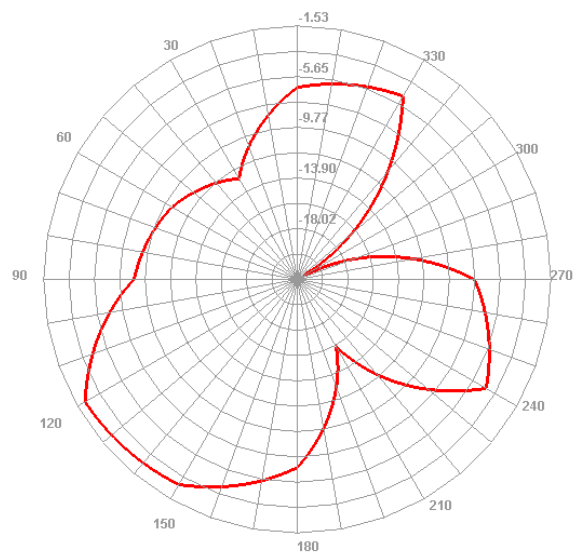
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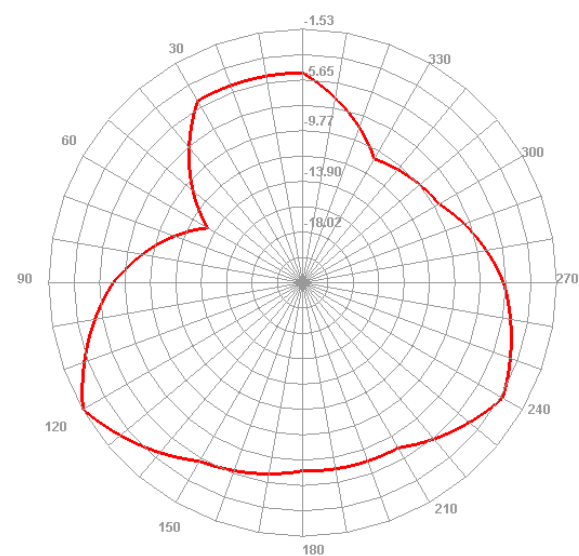
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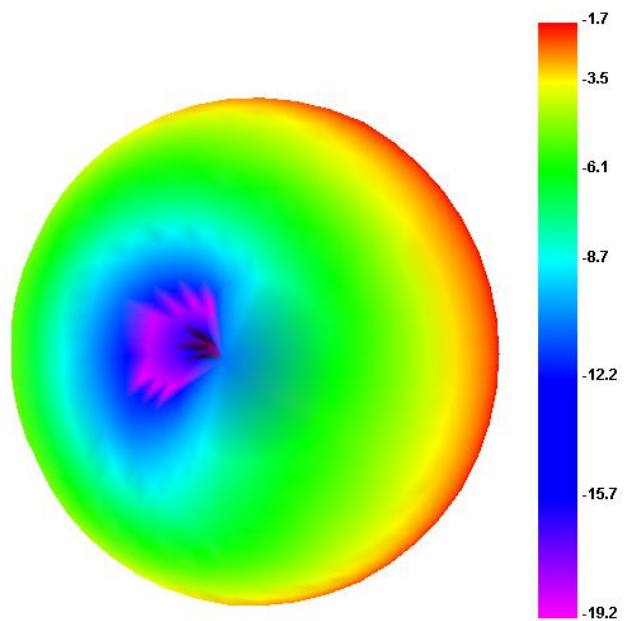
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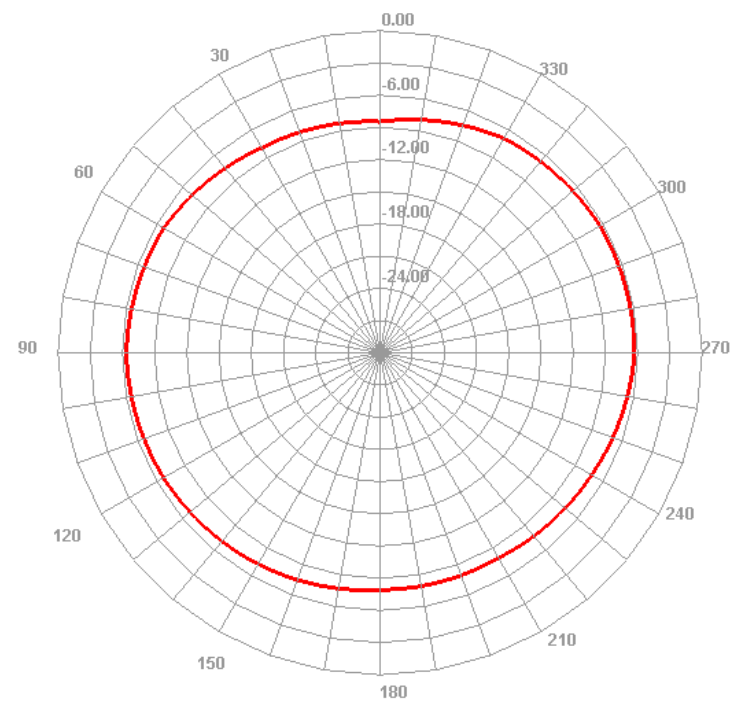
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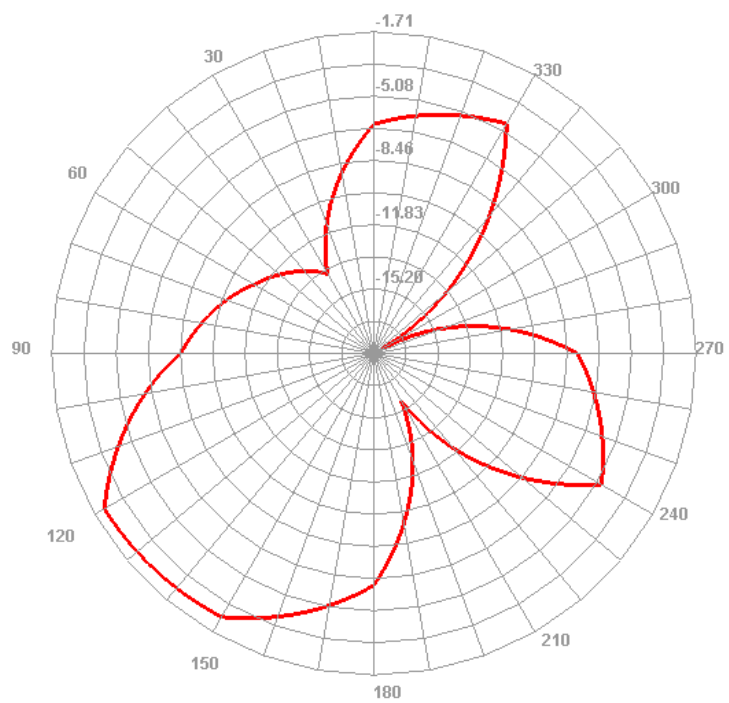
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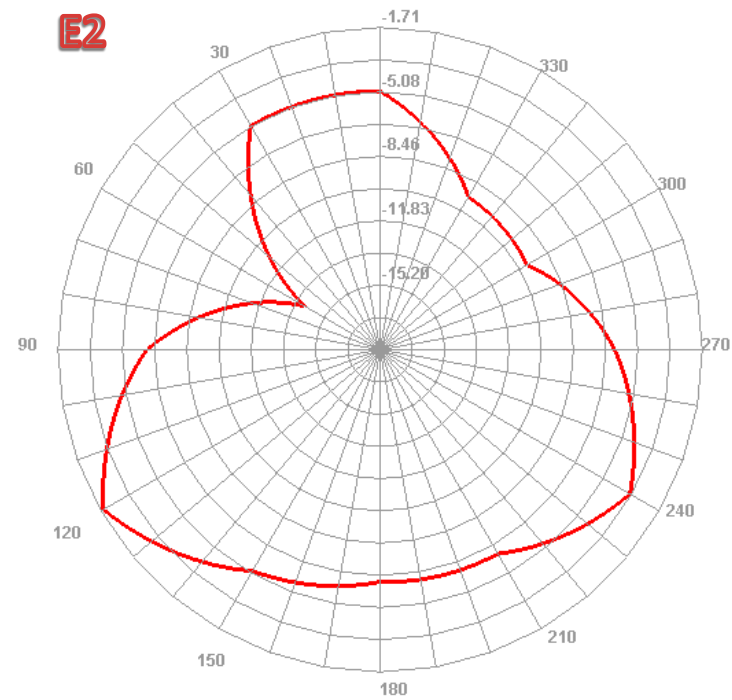
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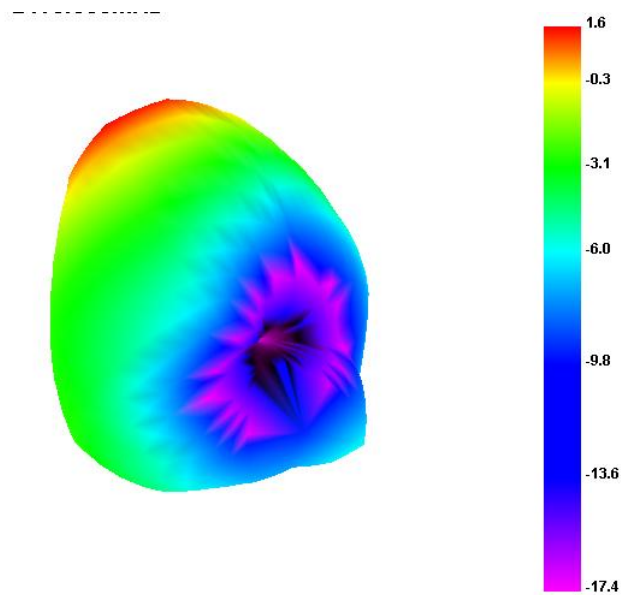
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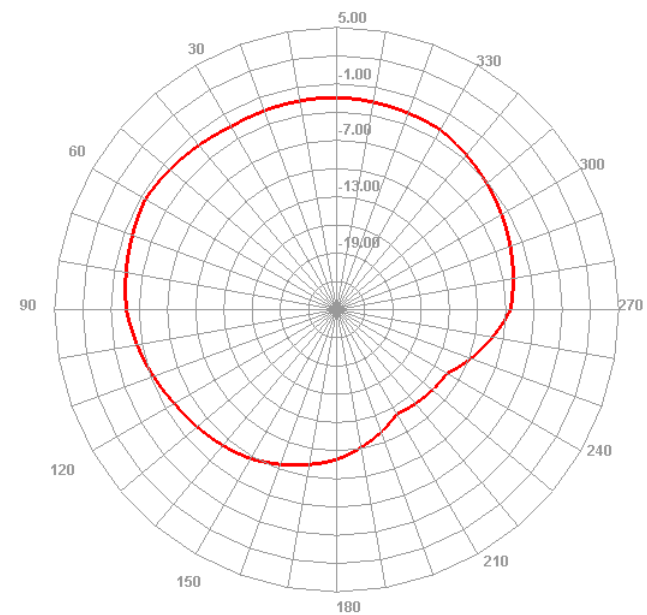
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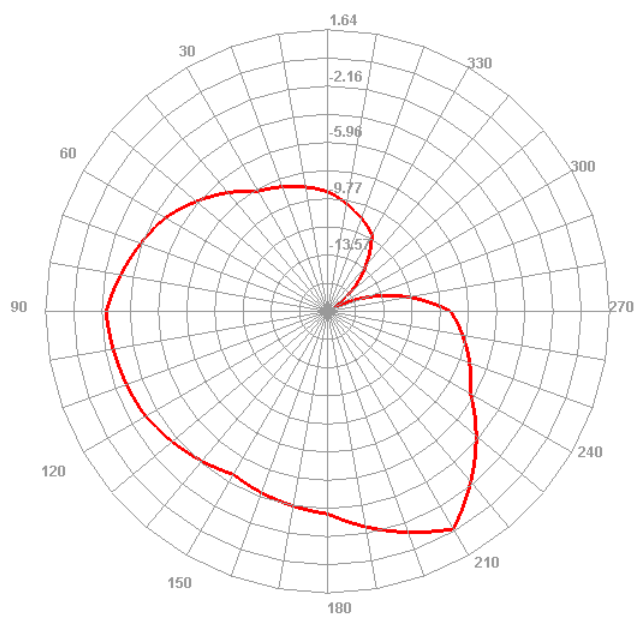
LTE-B1



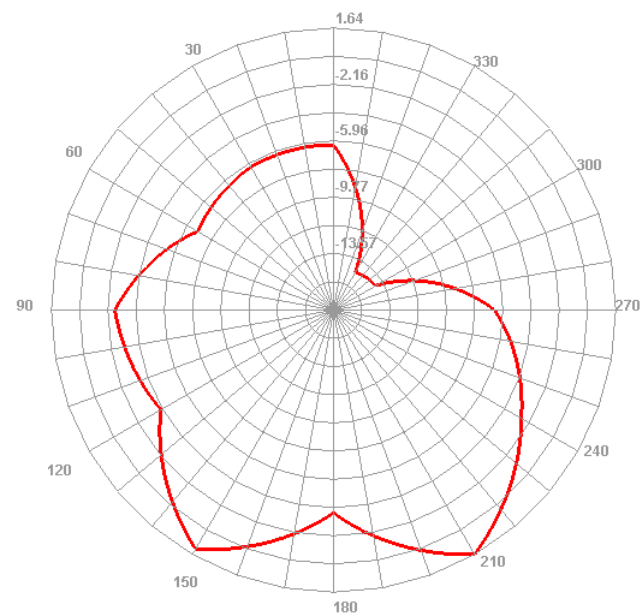
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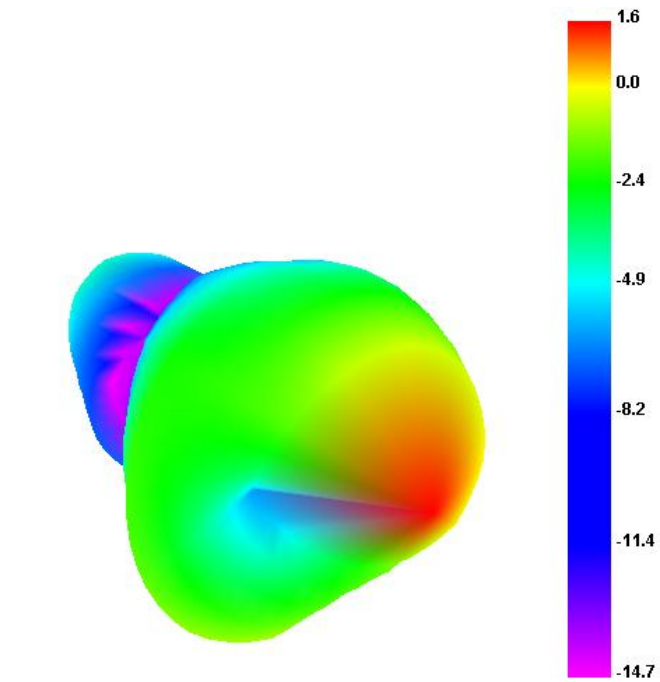
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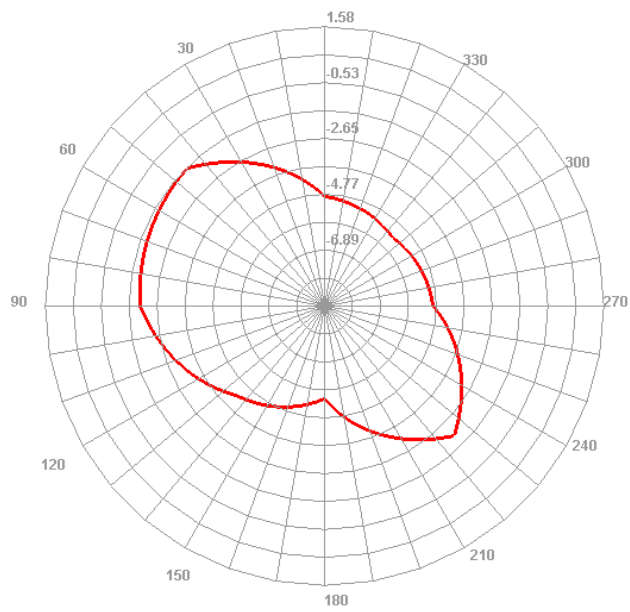
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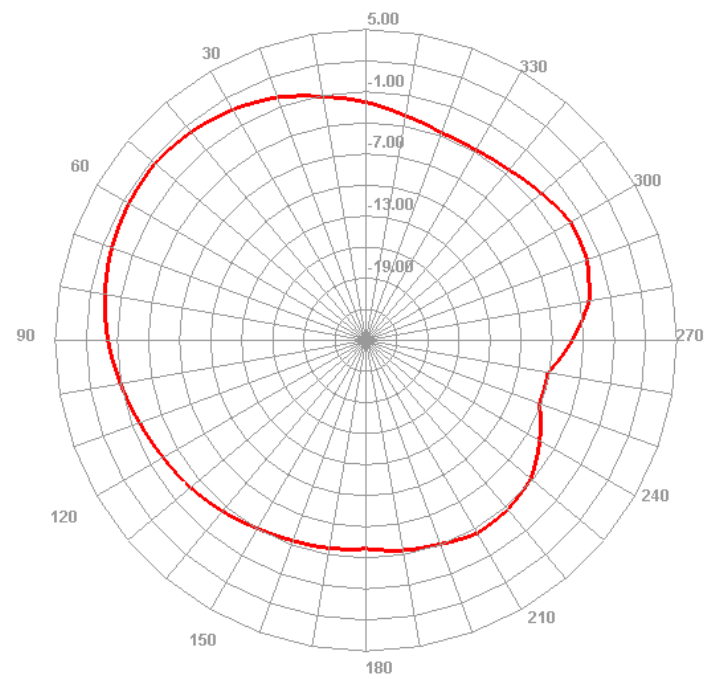
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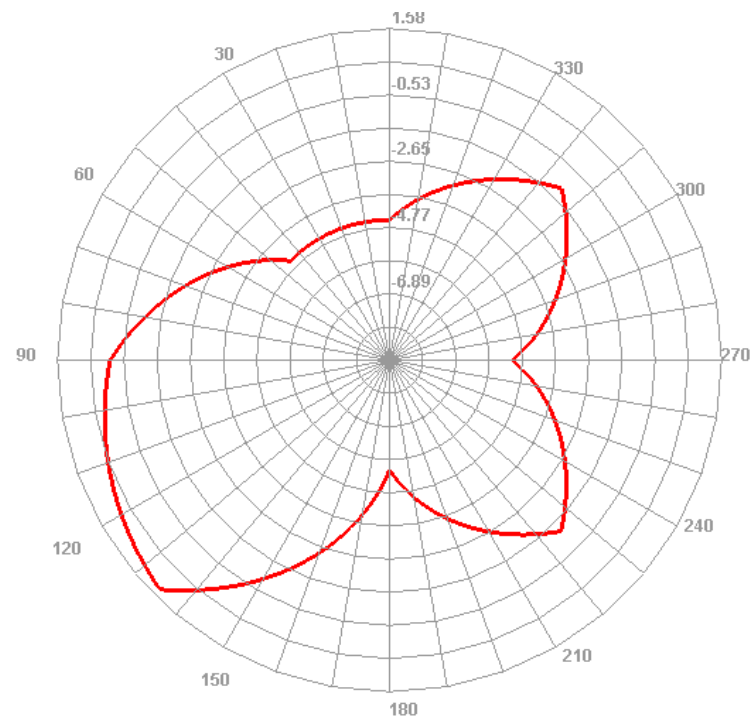
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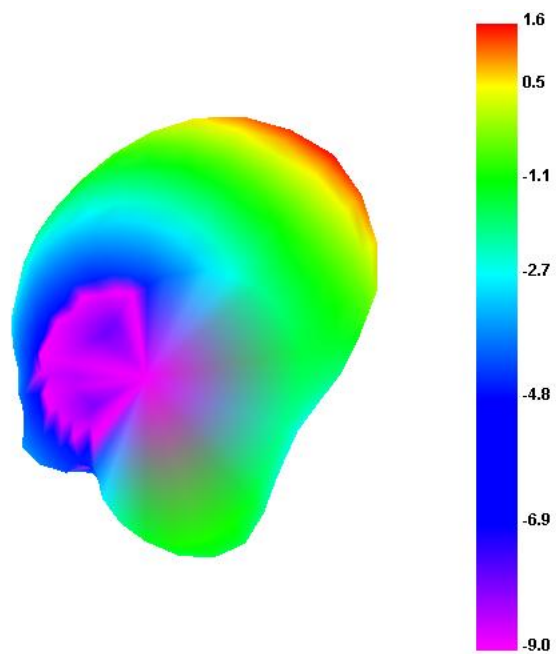
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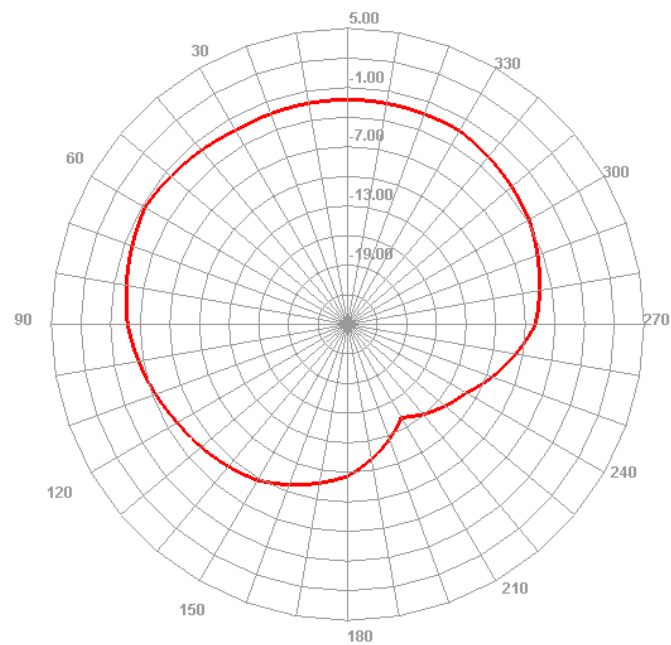
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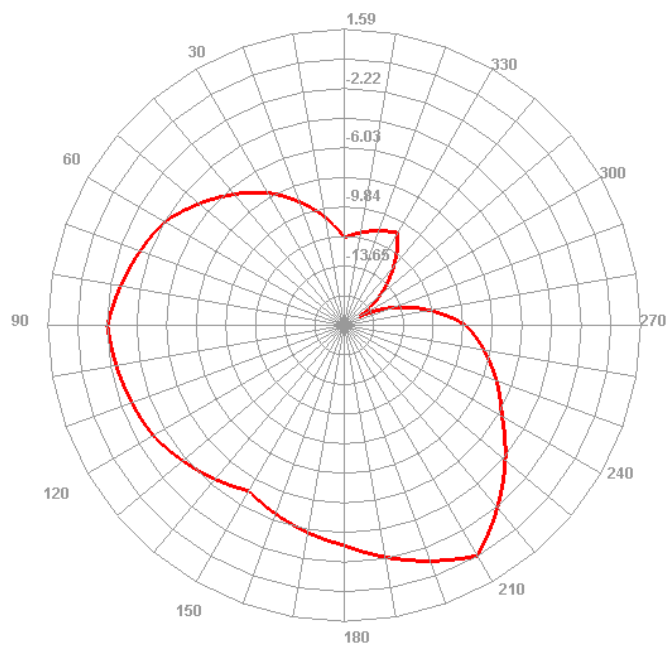
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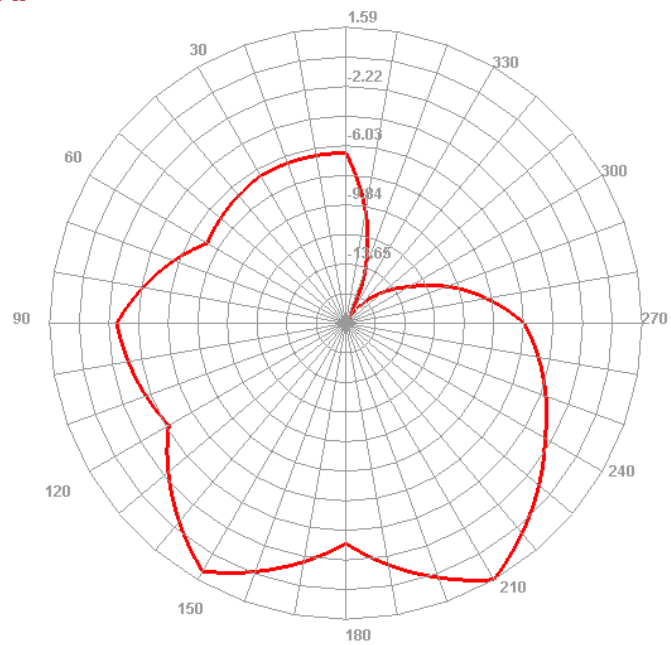
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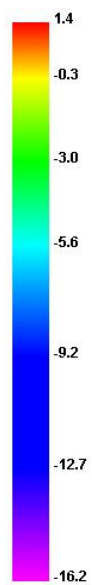
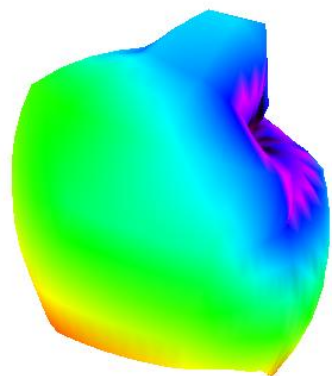
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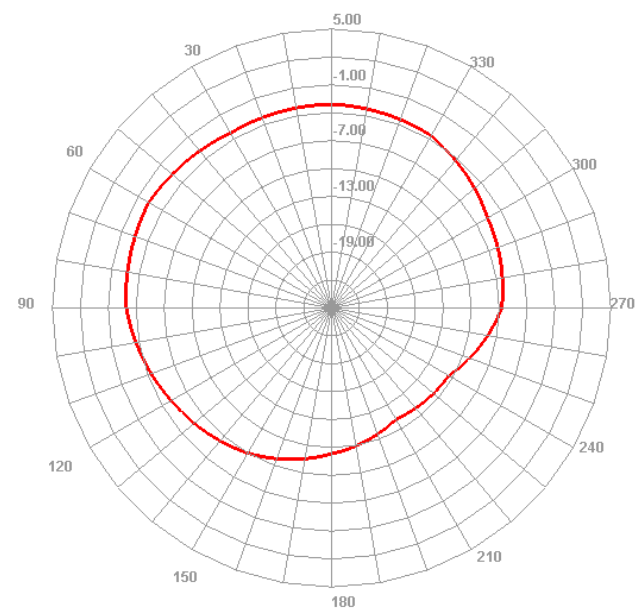
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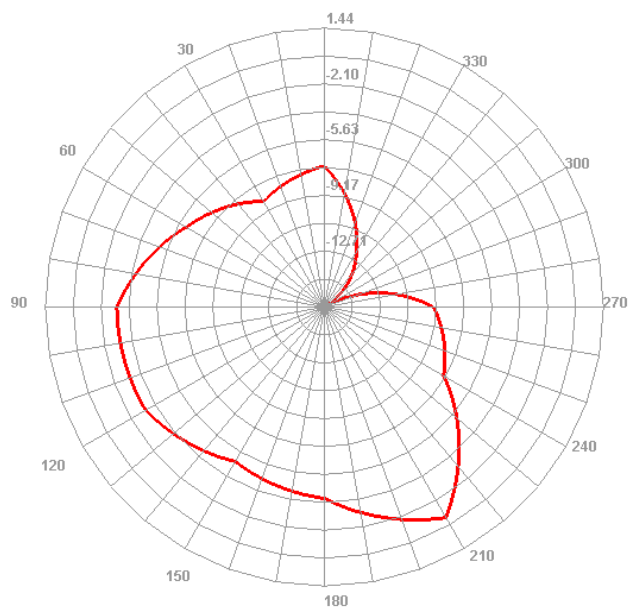
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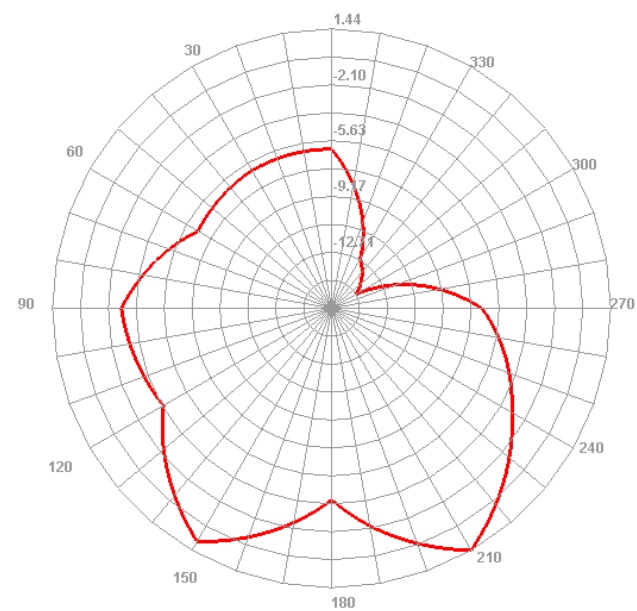
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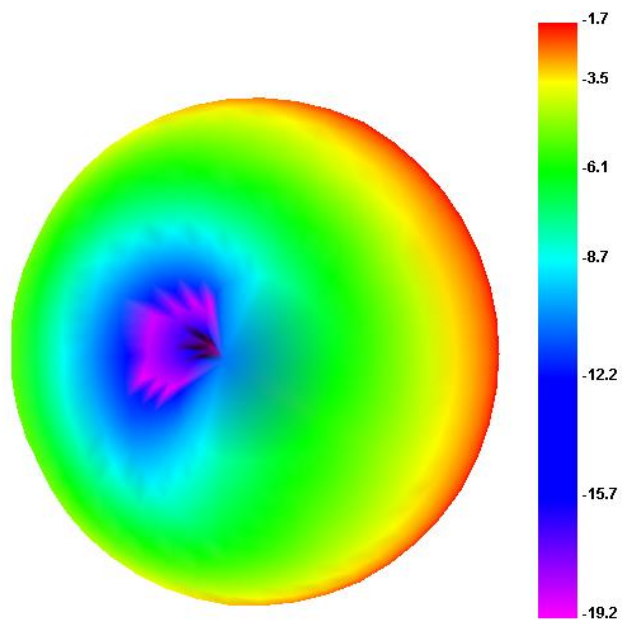
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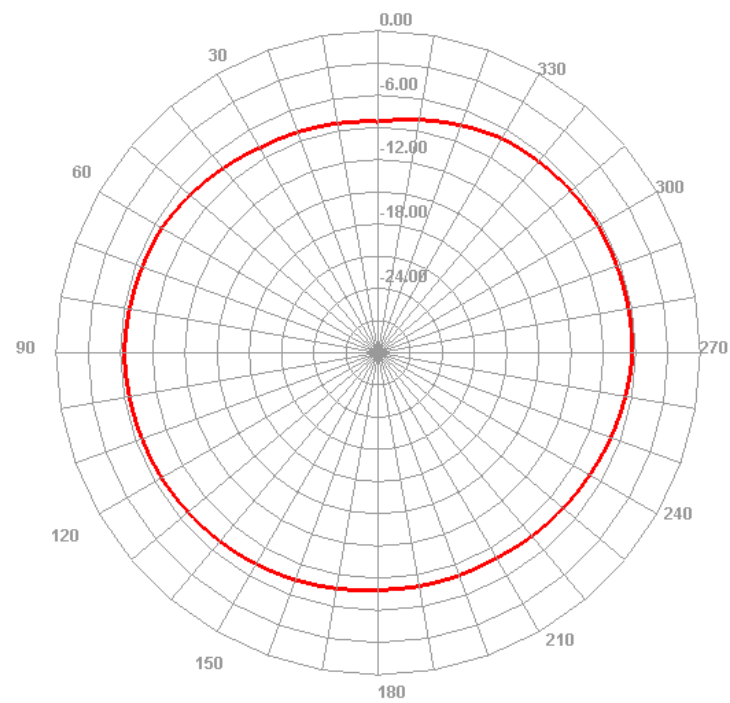
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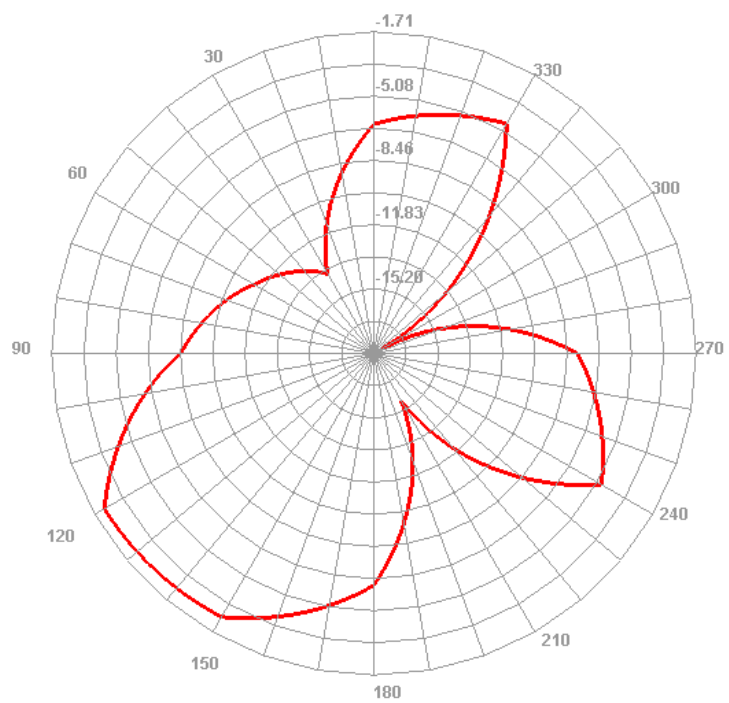
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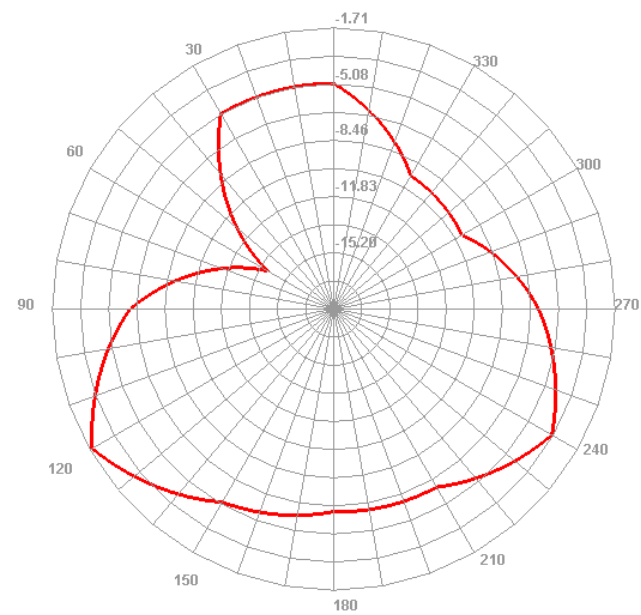
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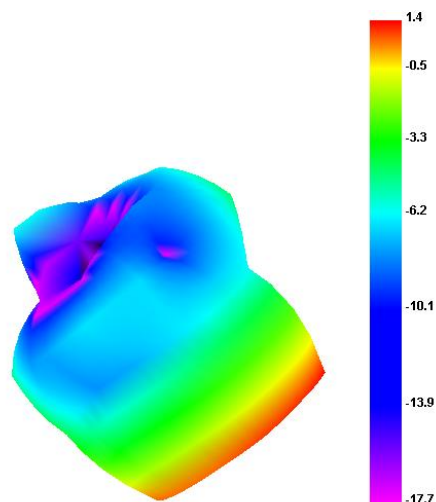
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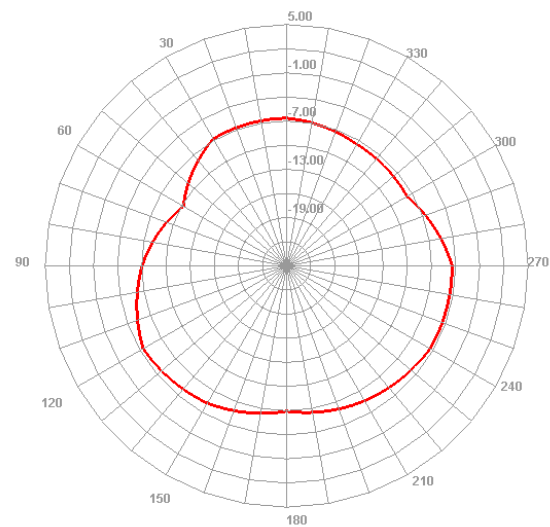
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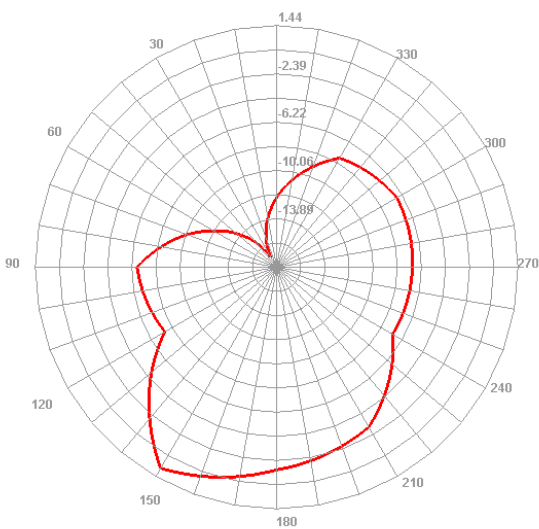
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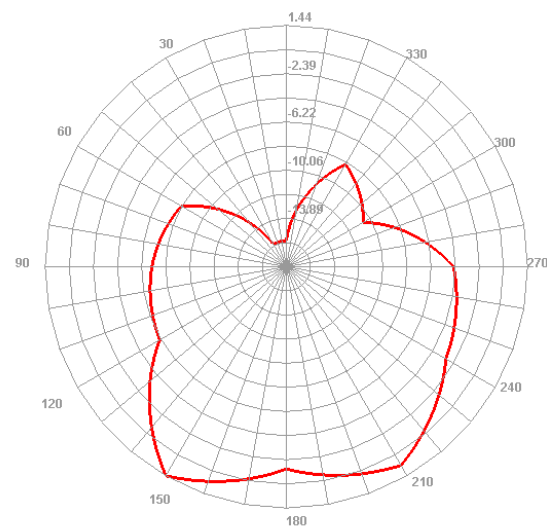
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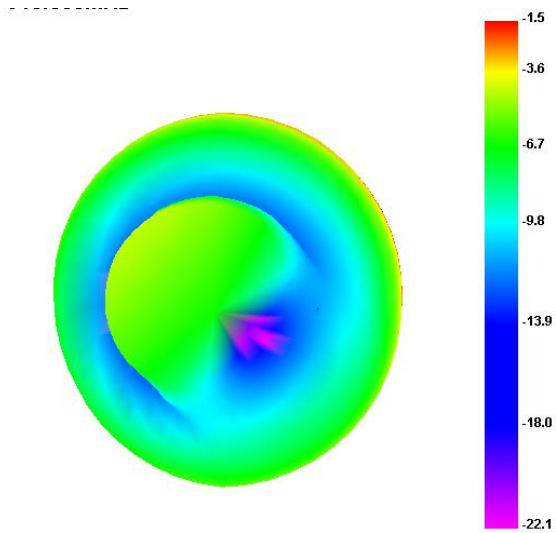
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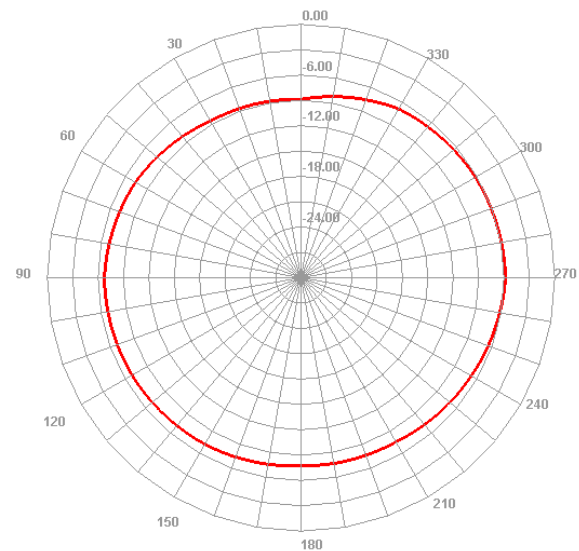
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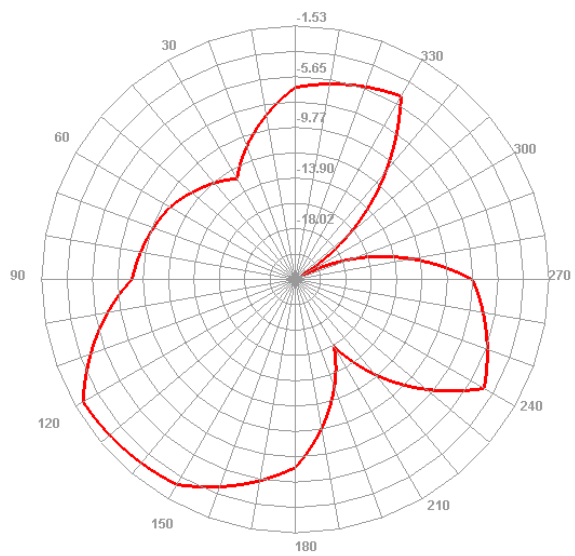
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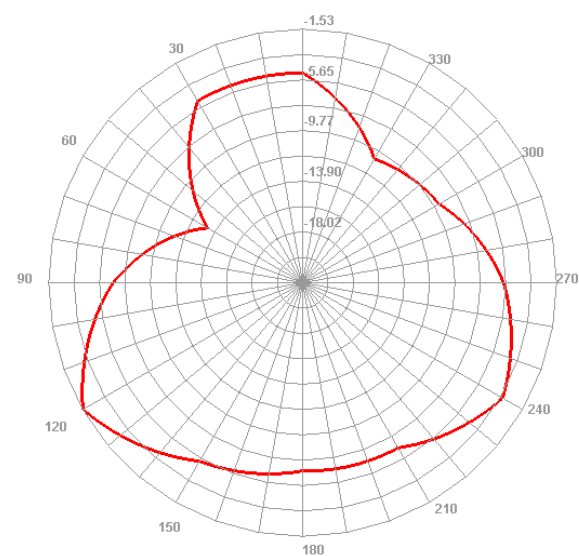
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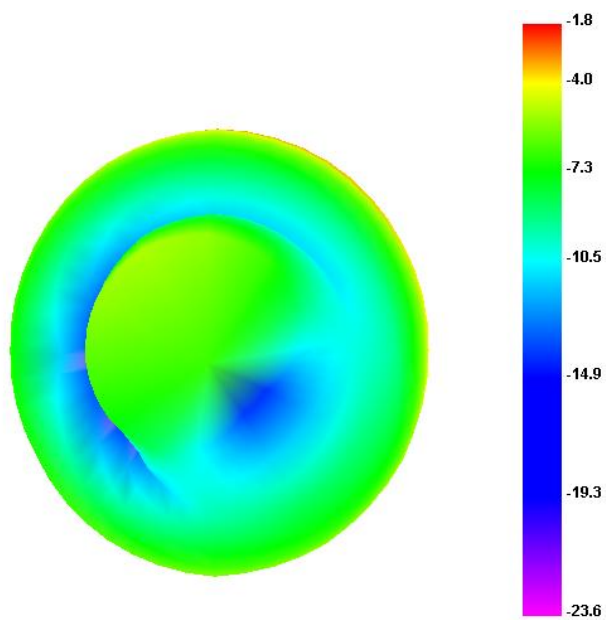
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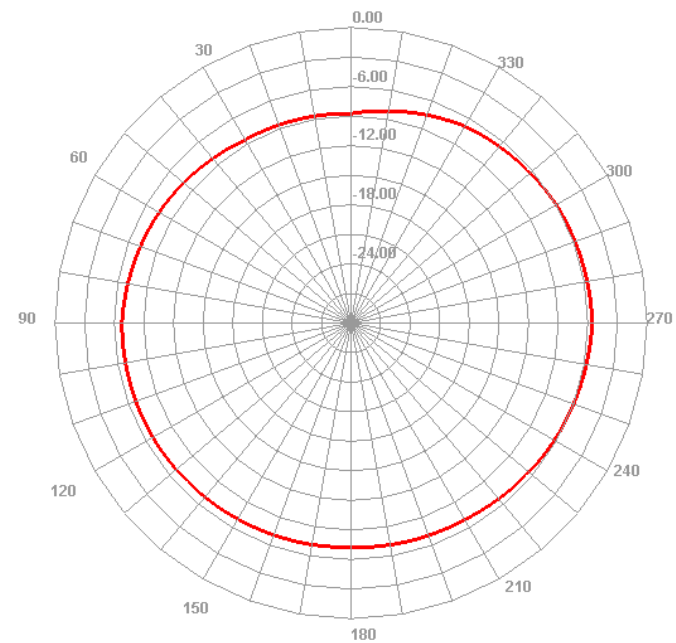
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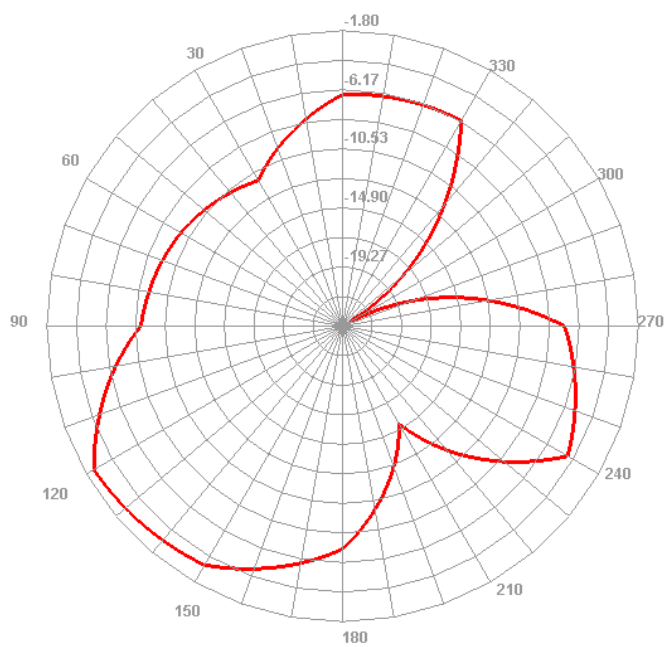
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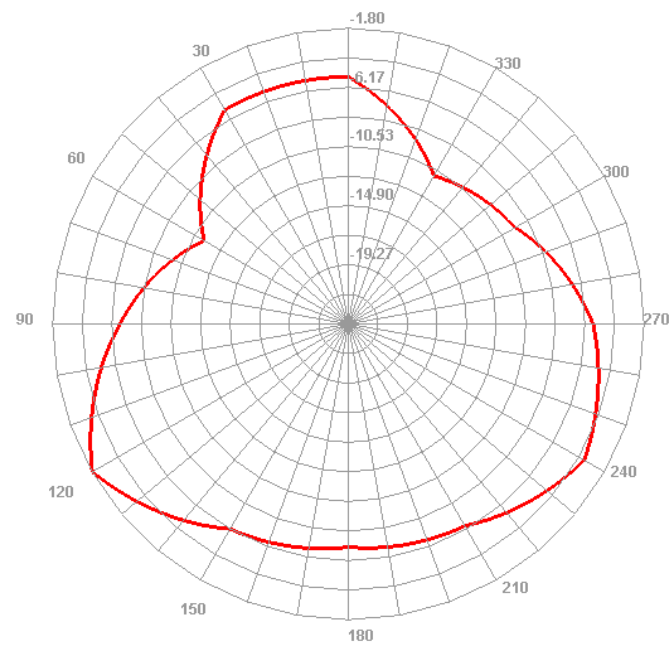
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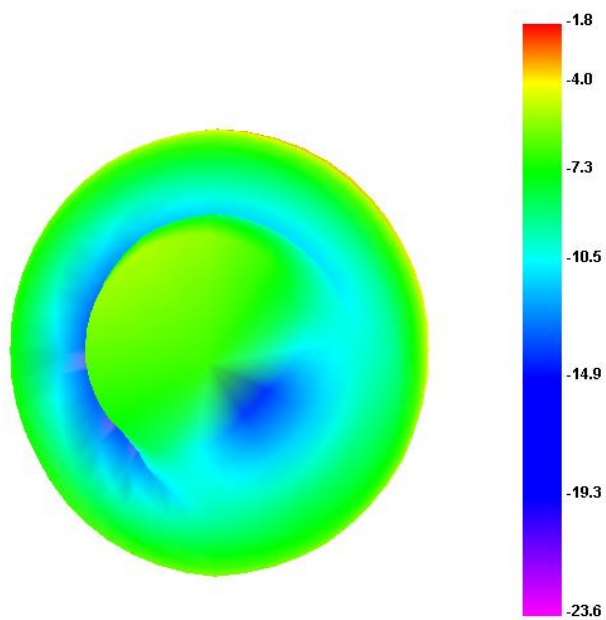
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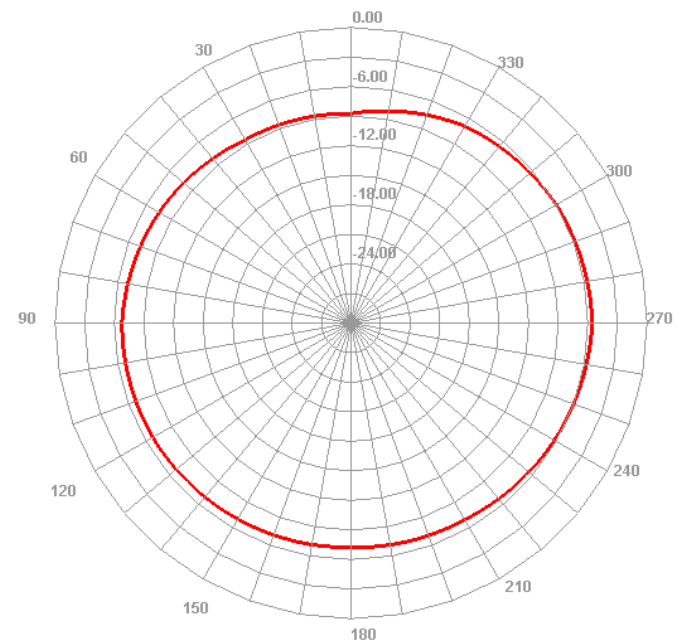
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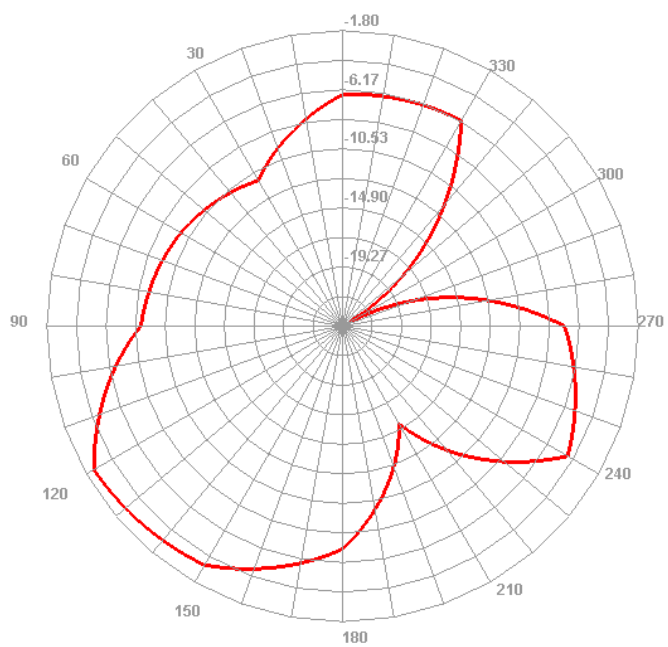
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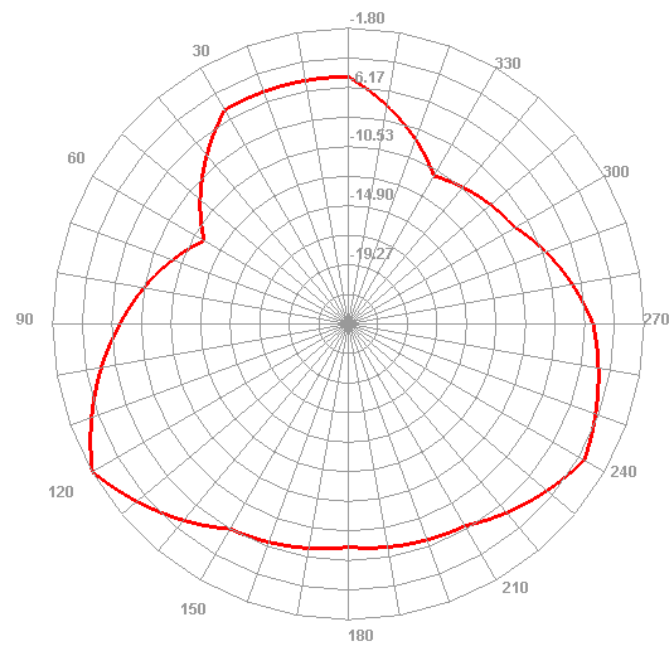
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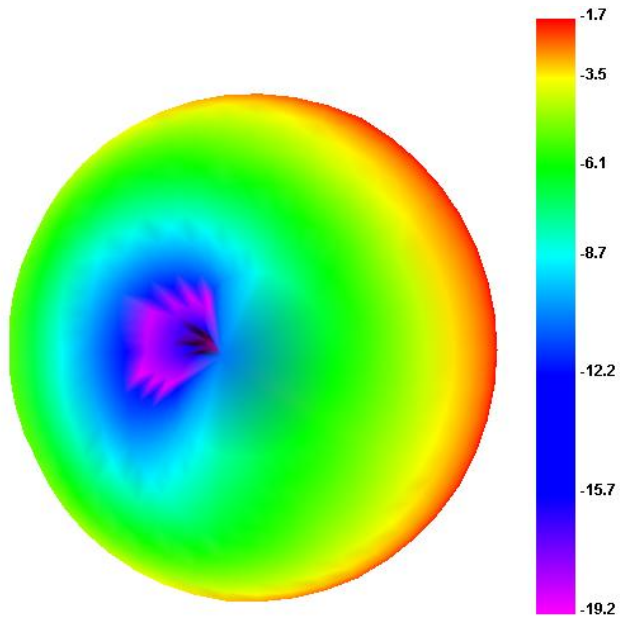


E1

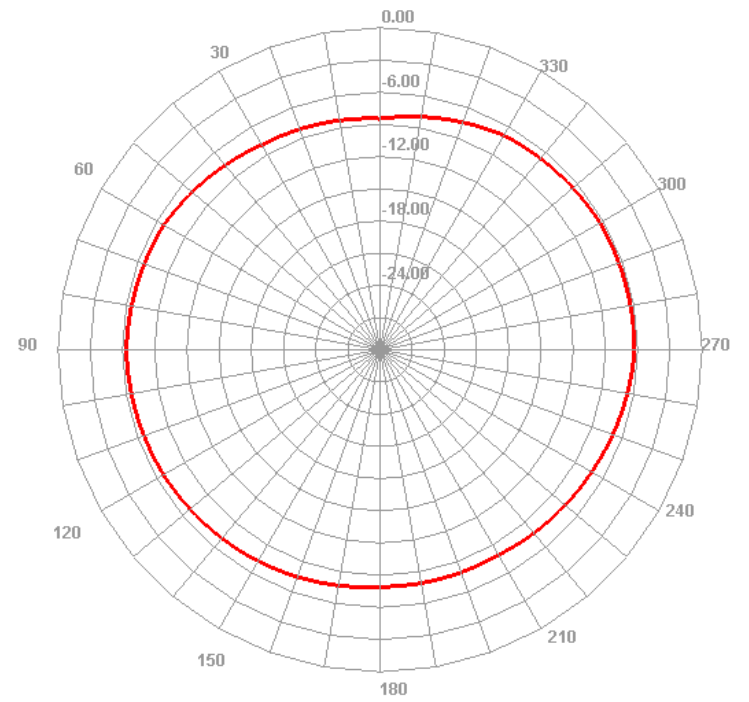


E2

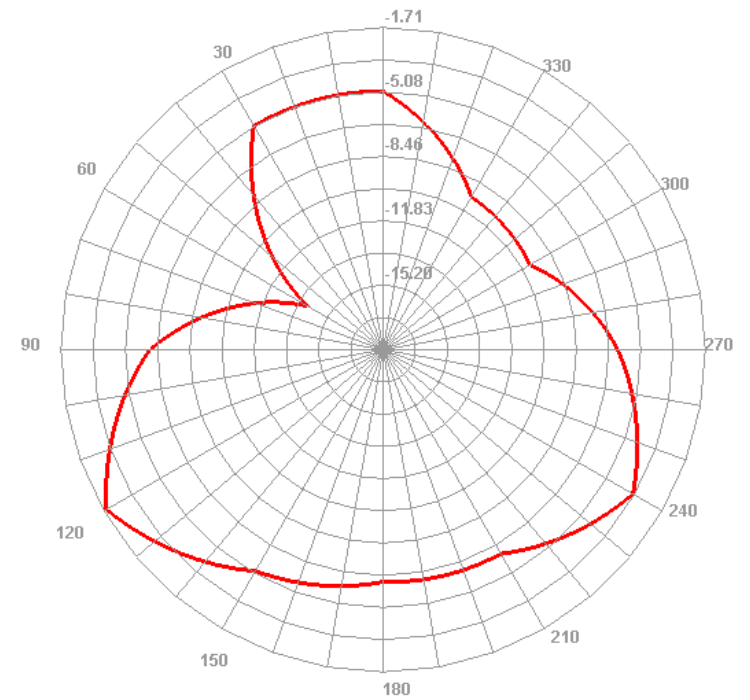
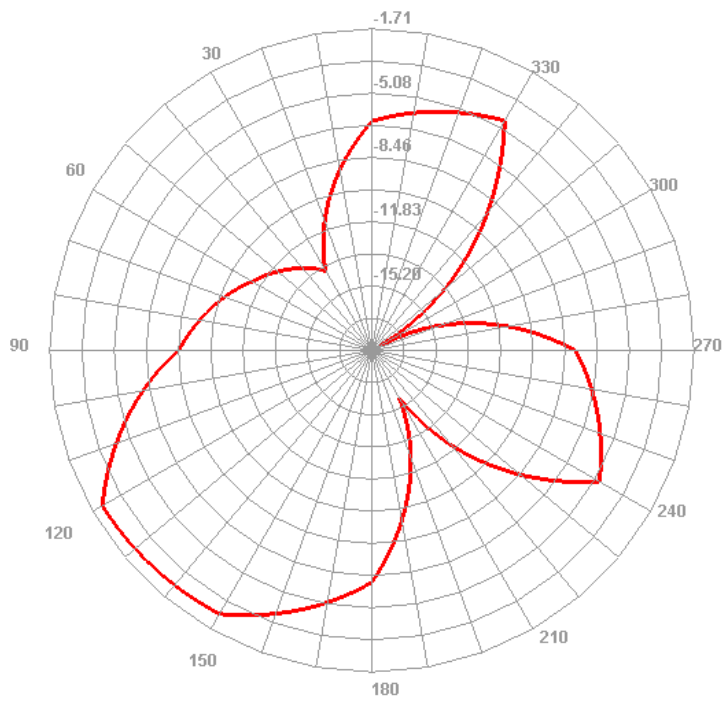




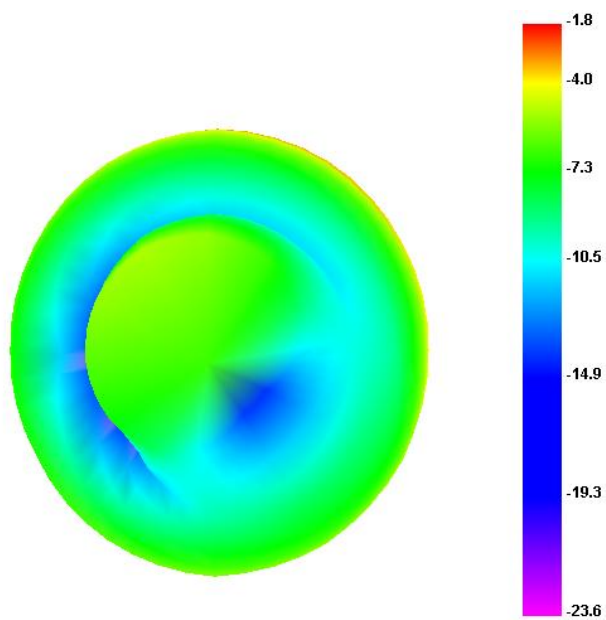
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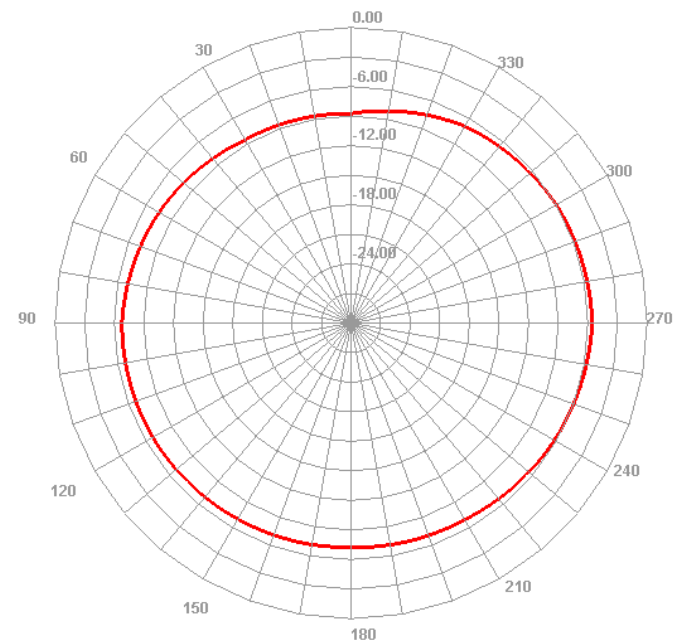
E1



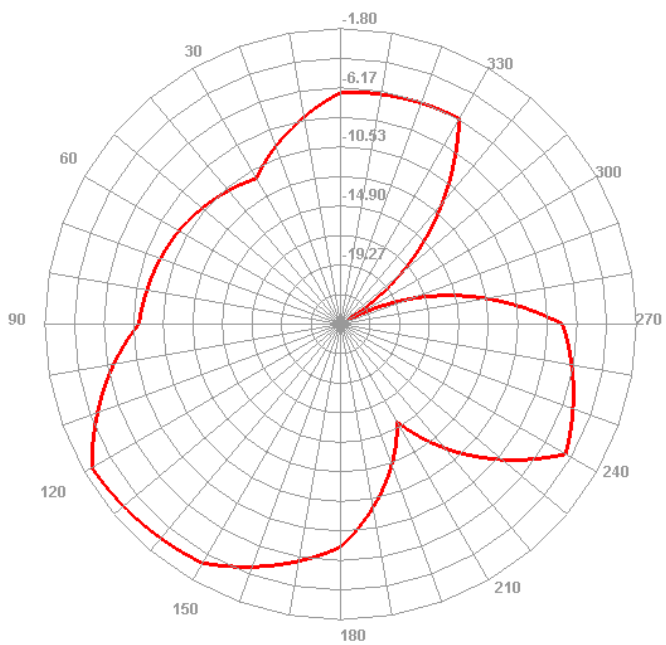
LTE-B28



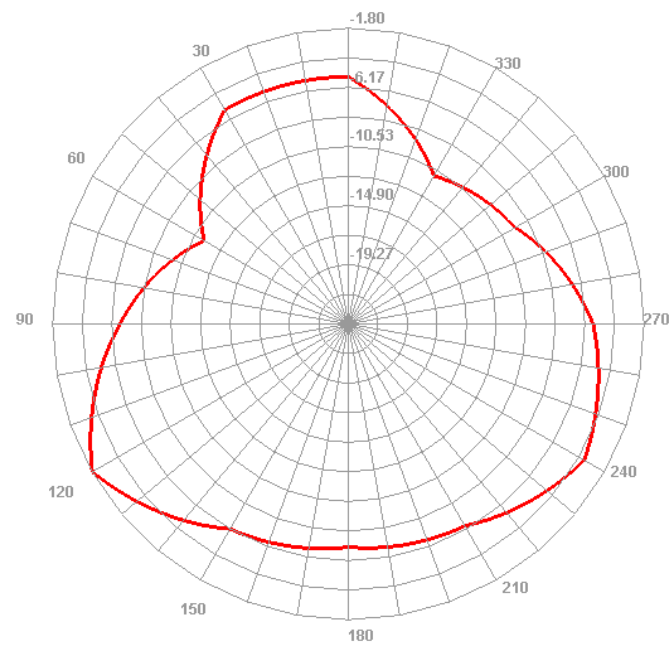
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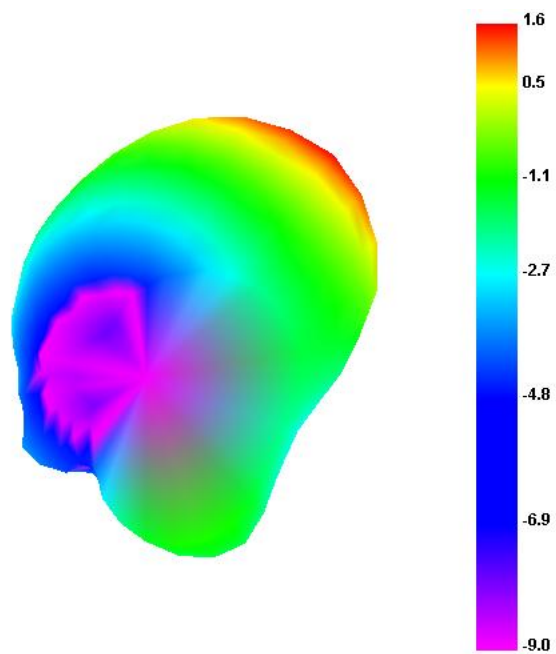
E1



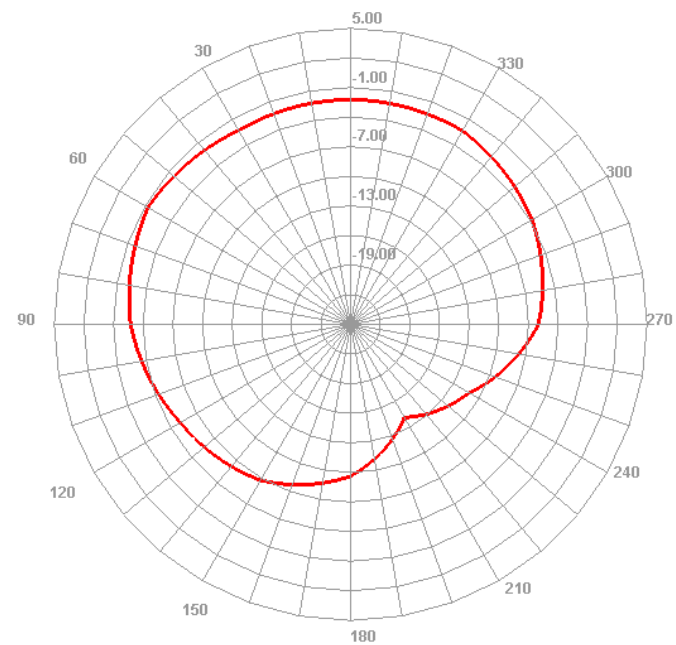
E2



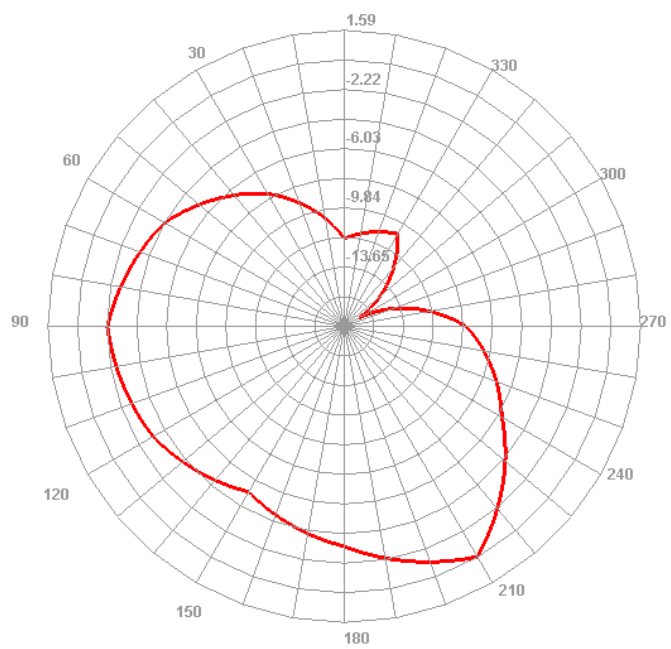
LTE-B66



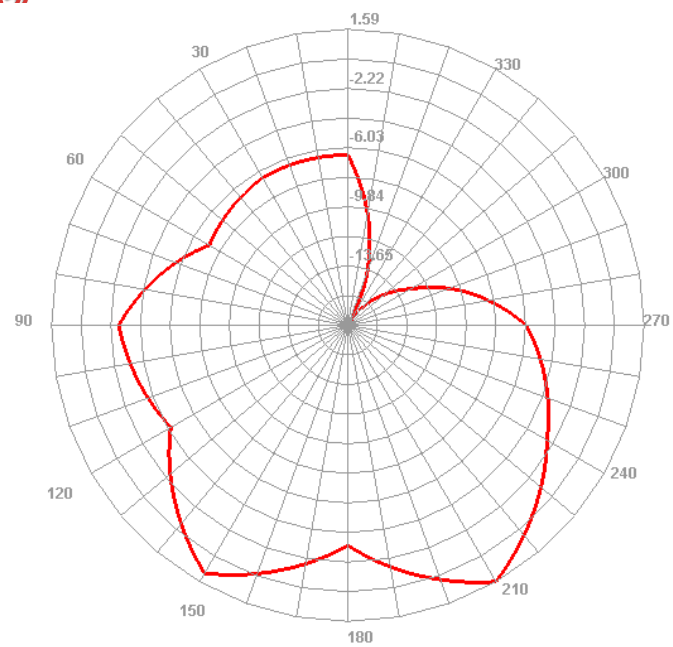
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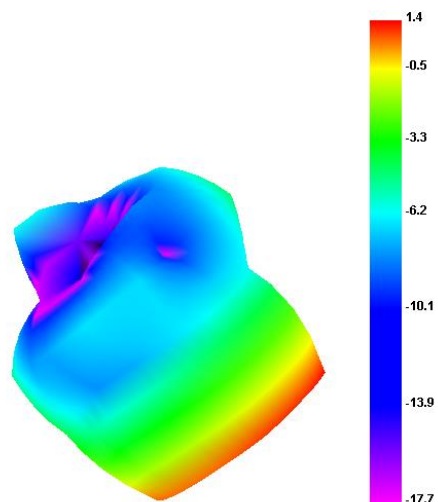
E1



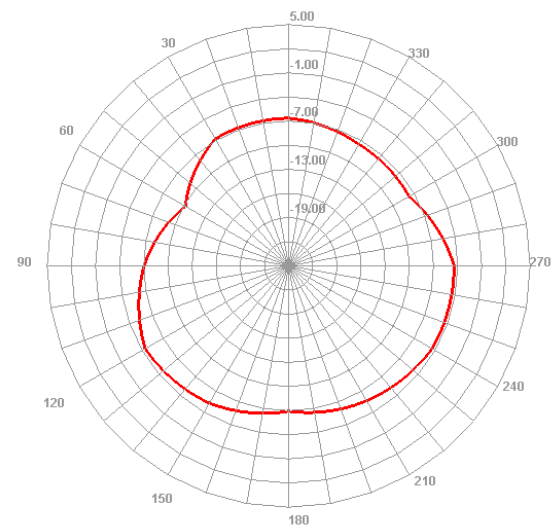
F2



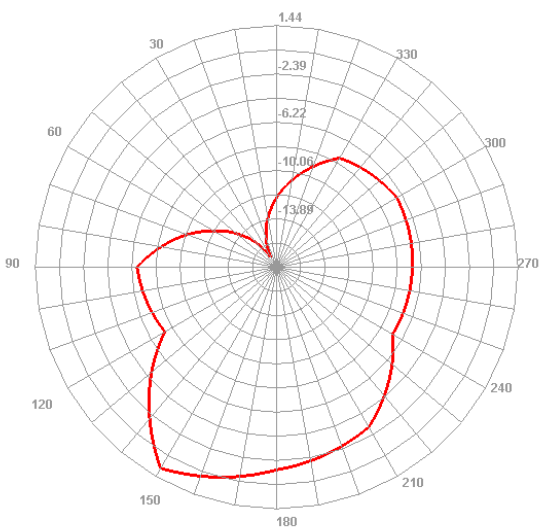
LTE-B38



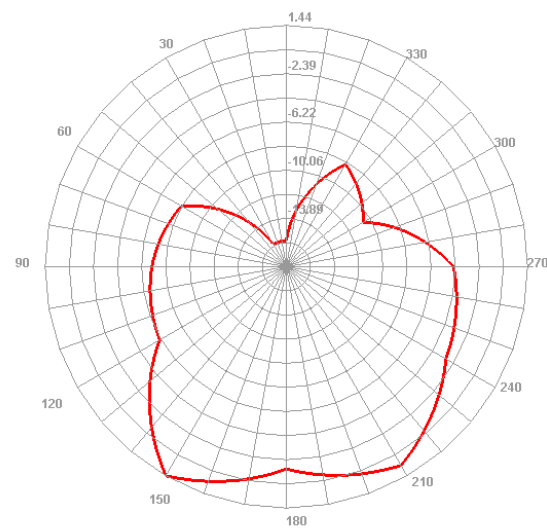
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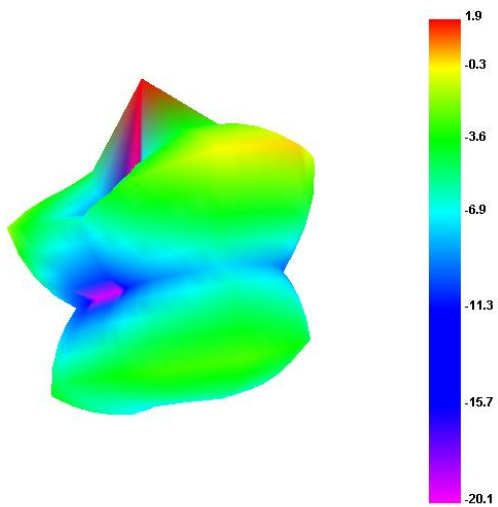
E1



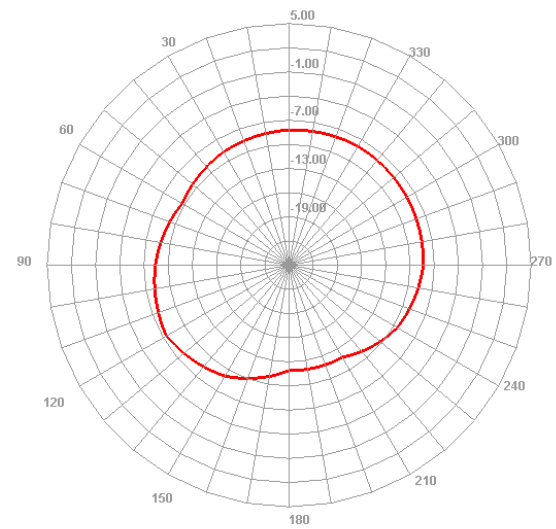
E2



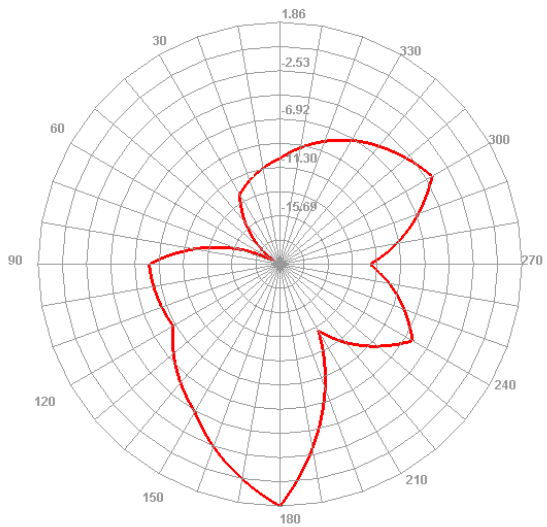
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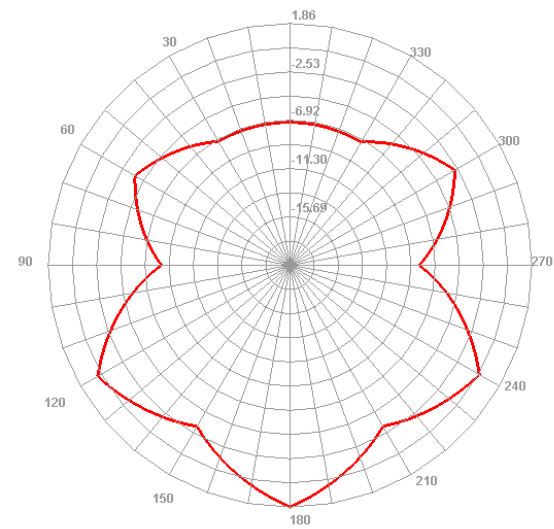
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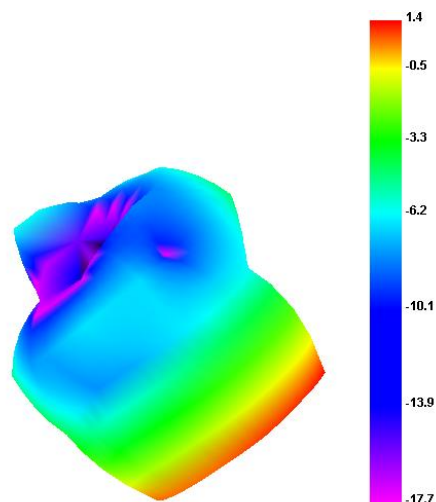
E1



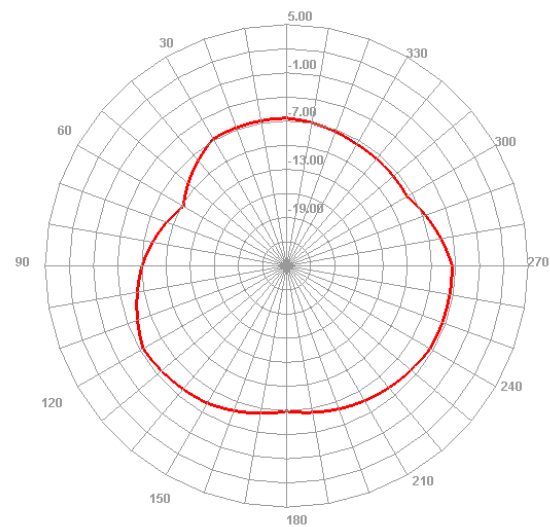
E2



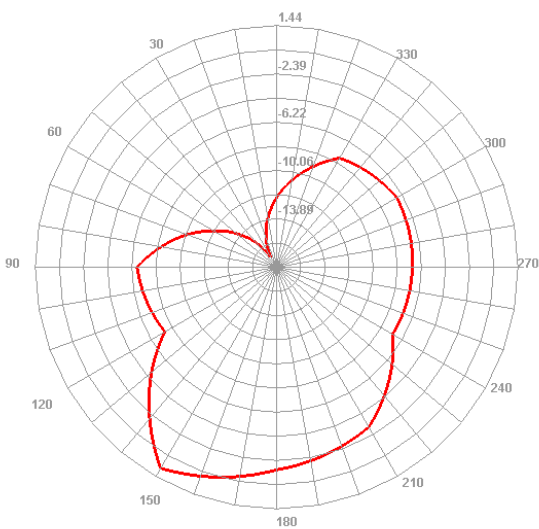
LTE-B41



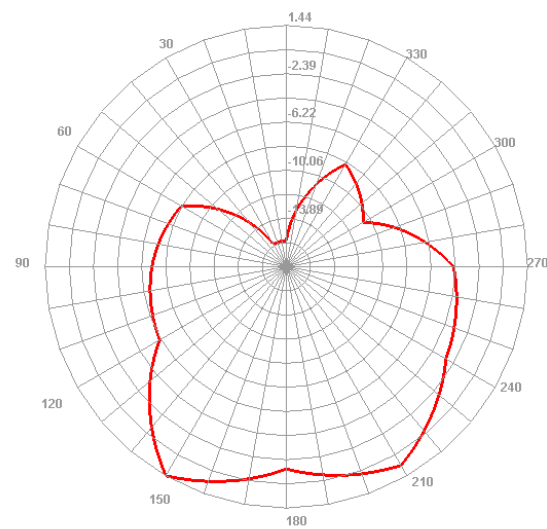
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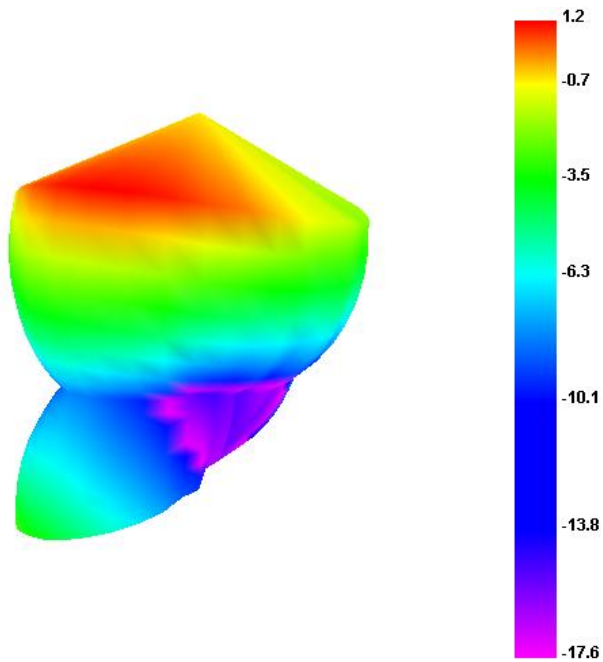
E1



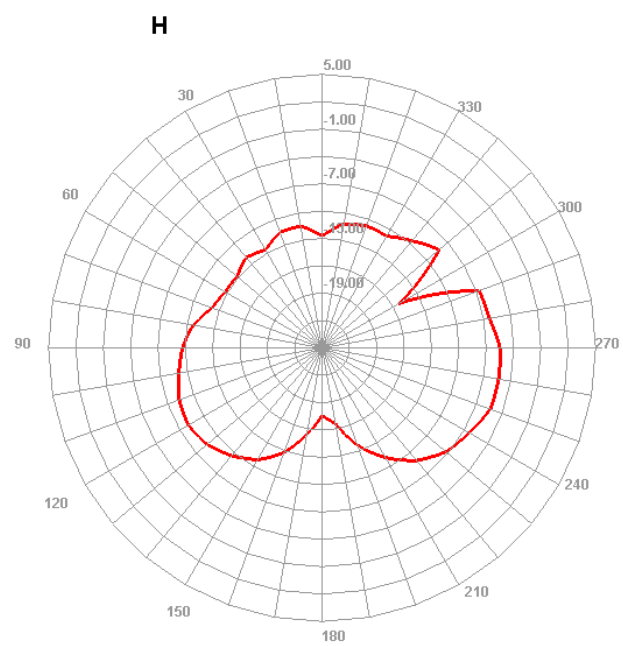
E2



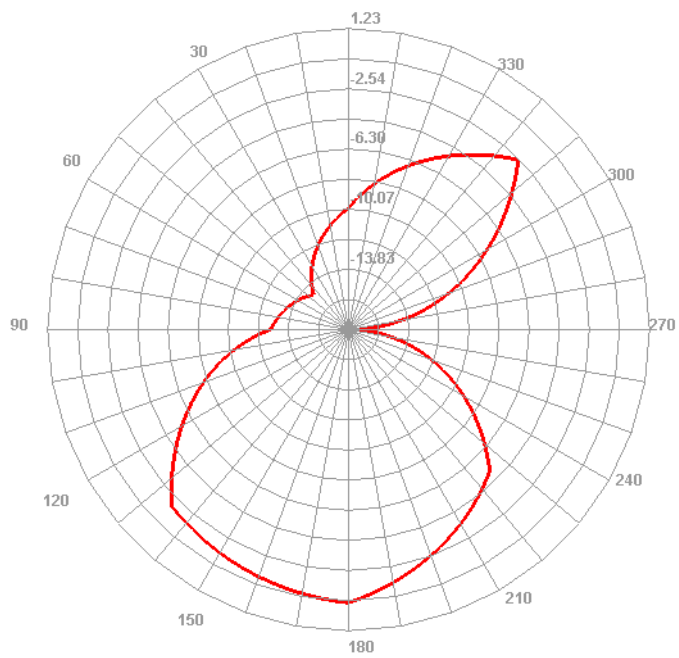
GPS



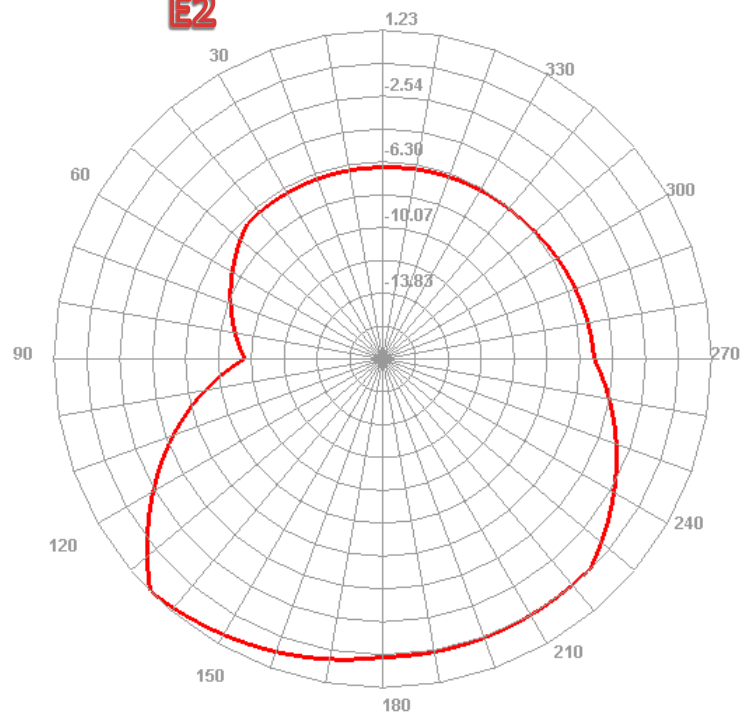
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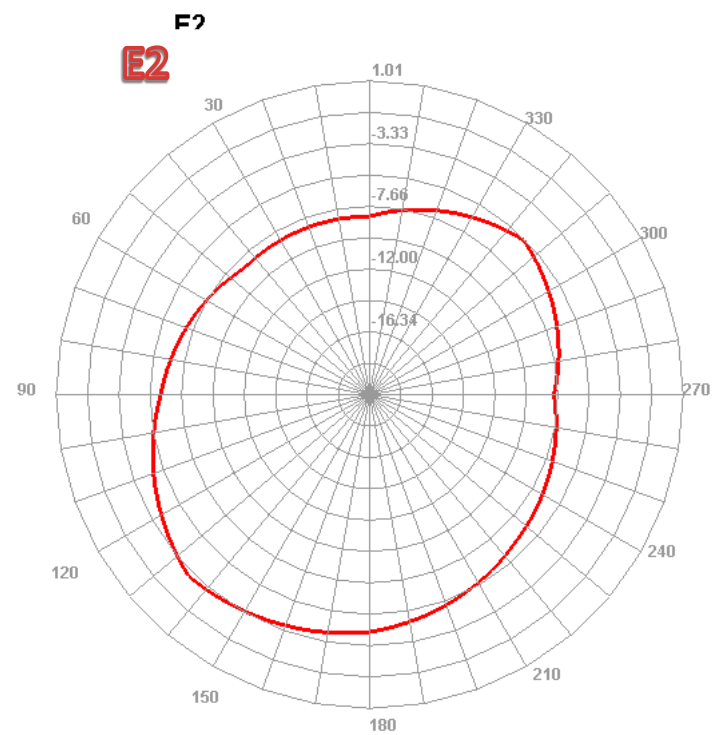
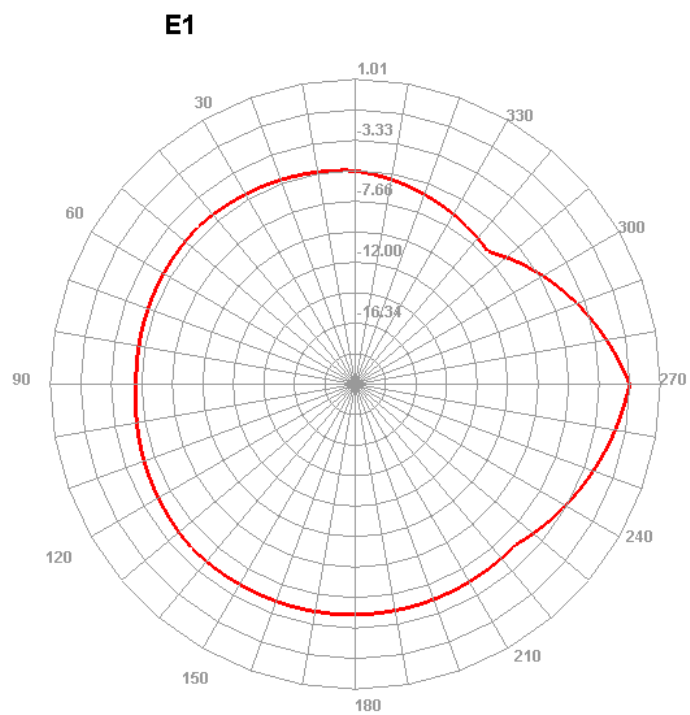
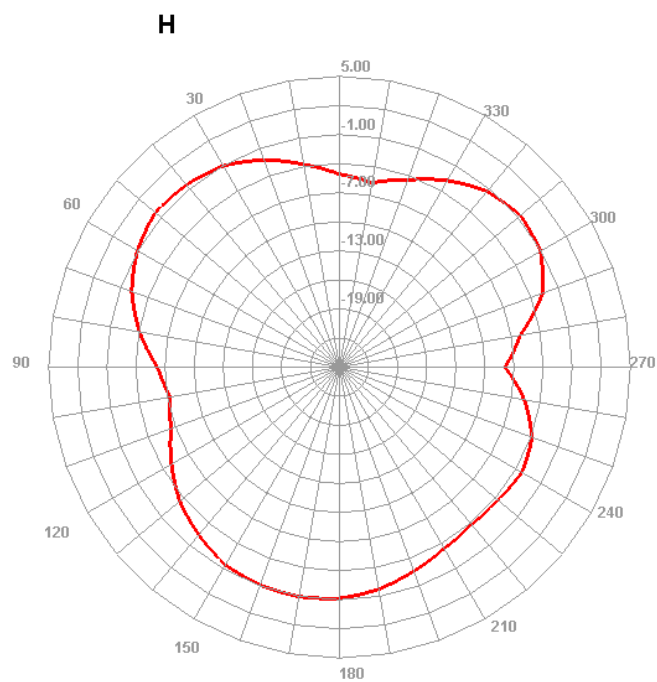
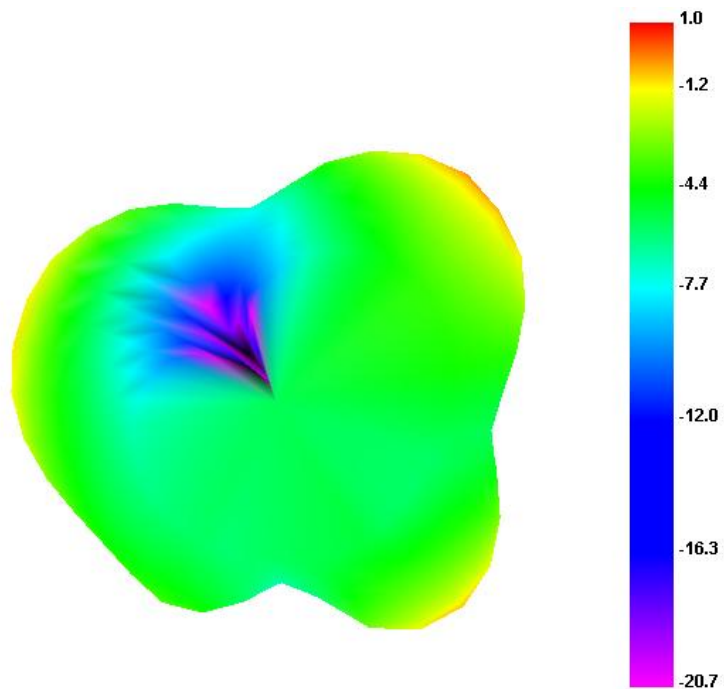
E1



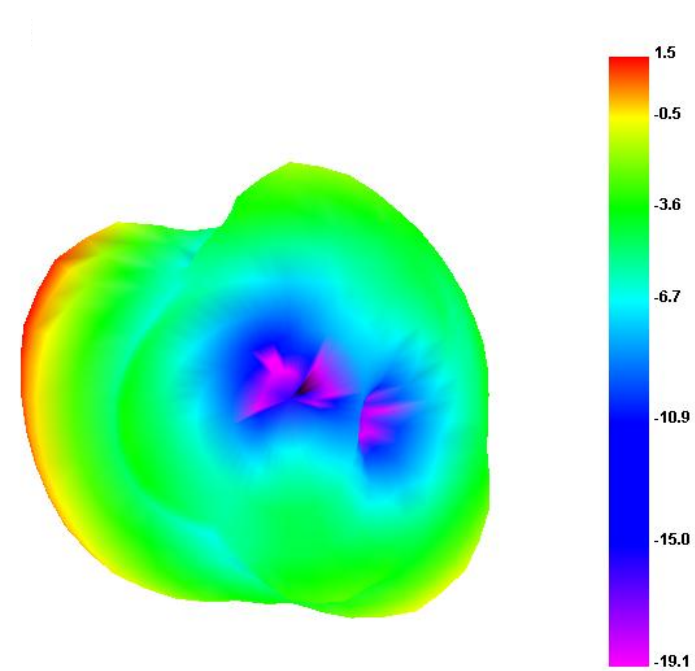
F2
E2



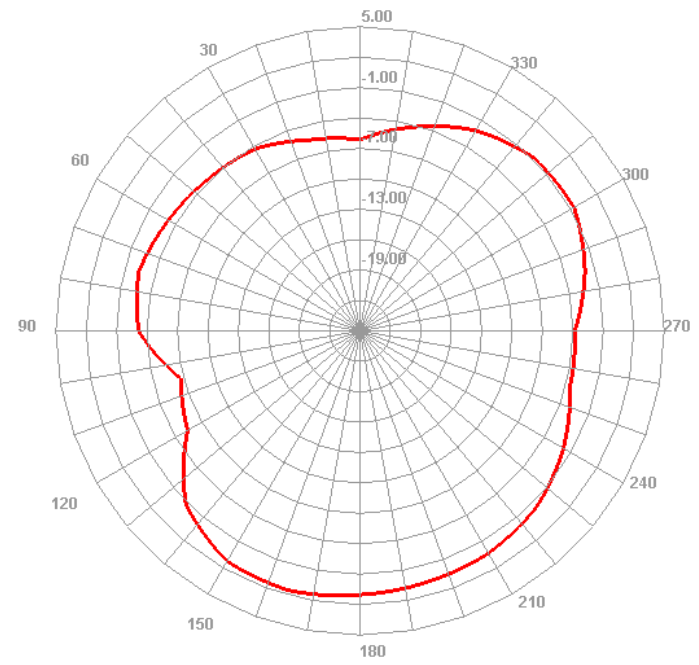
2.4G WiFi



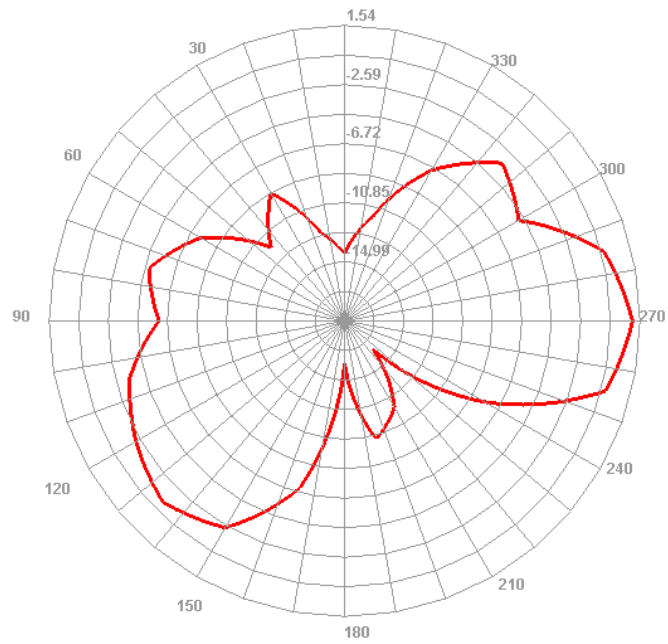
5.8G WiFi



H



E1



E2

