



ShenZhen Huaxinwei communication technology
Co.,Ltd.

Antenna test report

Customer Name: HuiYi

Project Name: R3T-C

Designer: Xu Mao sen

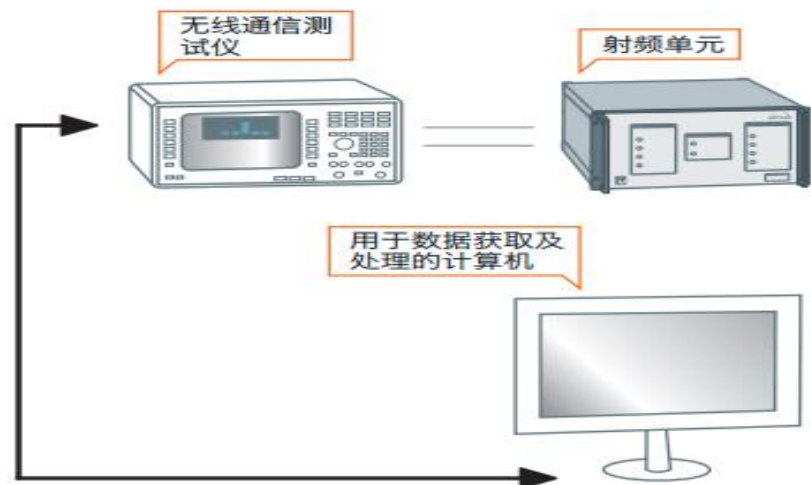
Date: 2025/01/08



The customer name		HuiYi	Project Name	R3T-C
NO.	project	Detailed above		
1	spectrum	GSM850/1900+WCDMA-B2/4/5+LTE-B2/4/5/7/12/17/28/66		
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		Xu Mao sen	19966411361	

1、Test system and test equipment

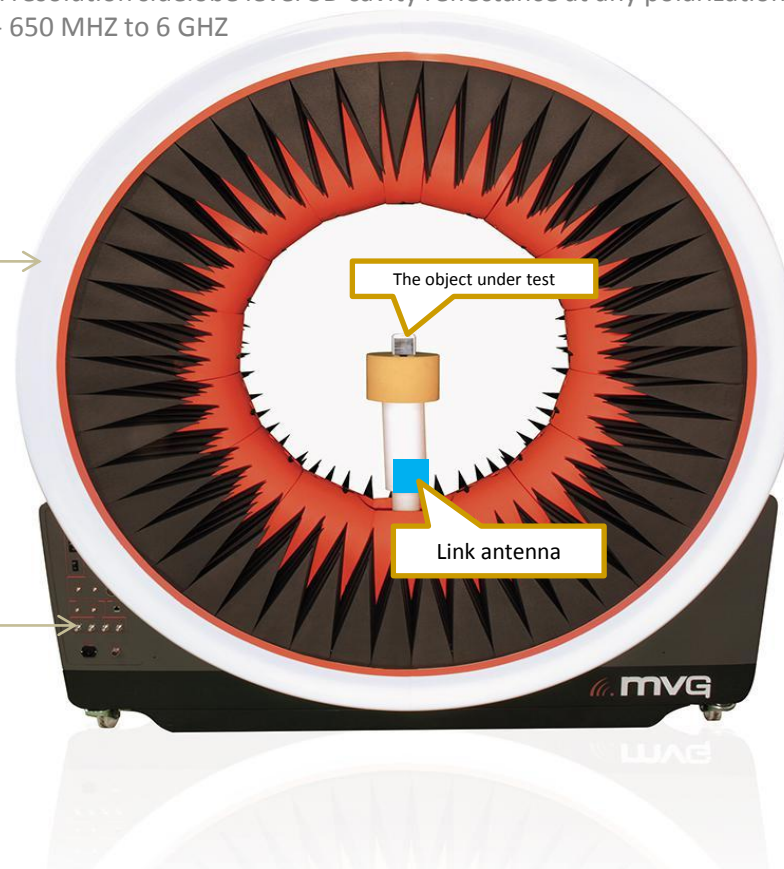
System Brand: MVG(SATIMO) measurement features: gain • pattern beamwidth cross polarization resolution sidelobe level 3D cavity reflectance at any polarization cavity reflectance (line or arc) antenna efficiency TRP, TIS, EIRP and EIS. Frequency band: StarLab 6 GHZ - 650 MHZ to 6 GHZ



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

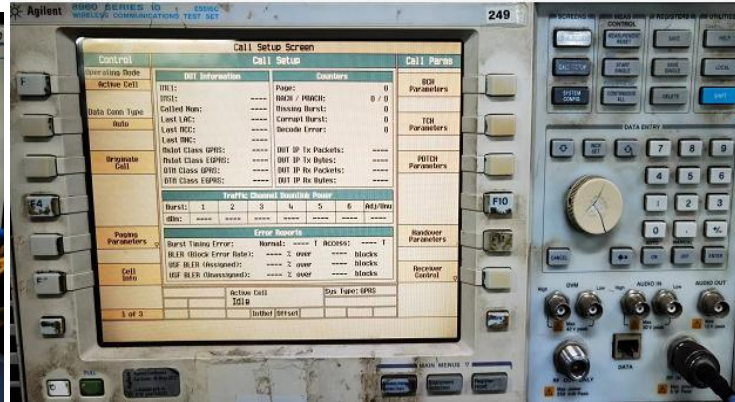


TIS 3D方位切割强度图



TRP 3D方位切割强度图

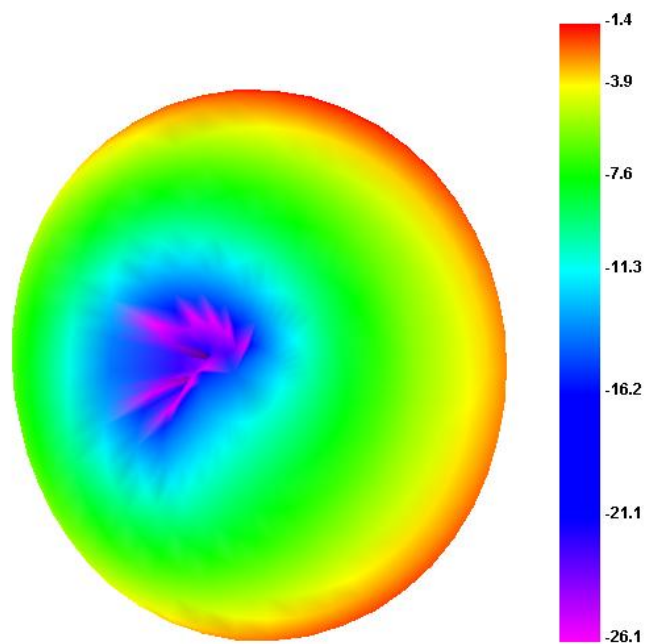
Test Equipment



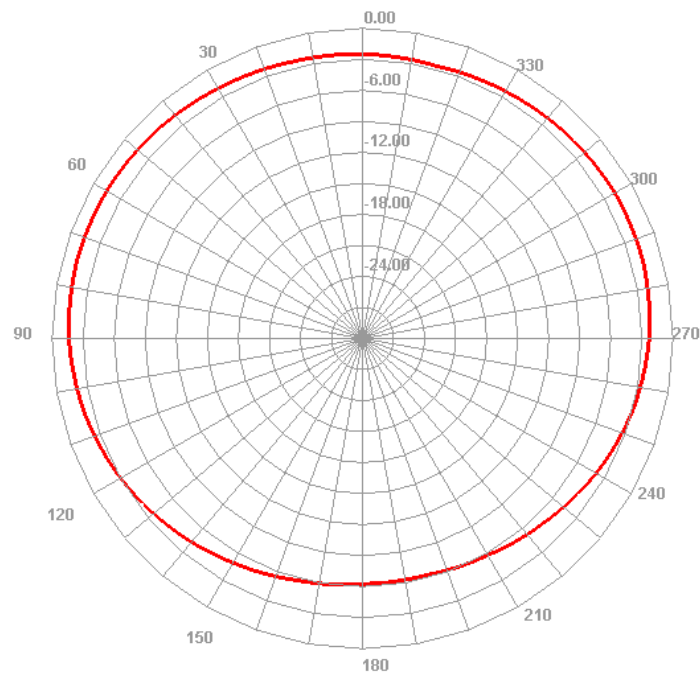
Efficient (2G+3G+4G)

PEAK GAIN			
2G:	Frequency range	Effi %	Gaim dBi
GSM850	824~894Mhz	21. 80	-1. 4
PCS1900	1850~1990Mhz	40. 81	1. 83
3G:			
W2	1850~1990Mhz	40. 81	1. 83
W4	1710~2155Mhz	38. 07	1. 58
W5	824~894Mhz	21. 80	-1. 4
4G:			
LTE-B2	1850~1990Mhz	40. 81	1. 83
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-B12	698~746Mhz	19. 03	-1. 58
LTE-B17	704~746Mhz	19. 04	-1. 58
LTE-B28	708~798Mhz	19. 05	-1. 58
LTE-B66	1710~2170Mhz	39. 08	1. 58
BT	2400`2500MHz	31. 21	1. 01

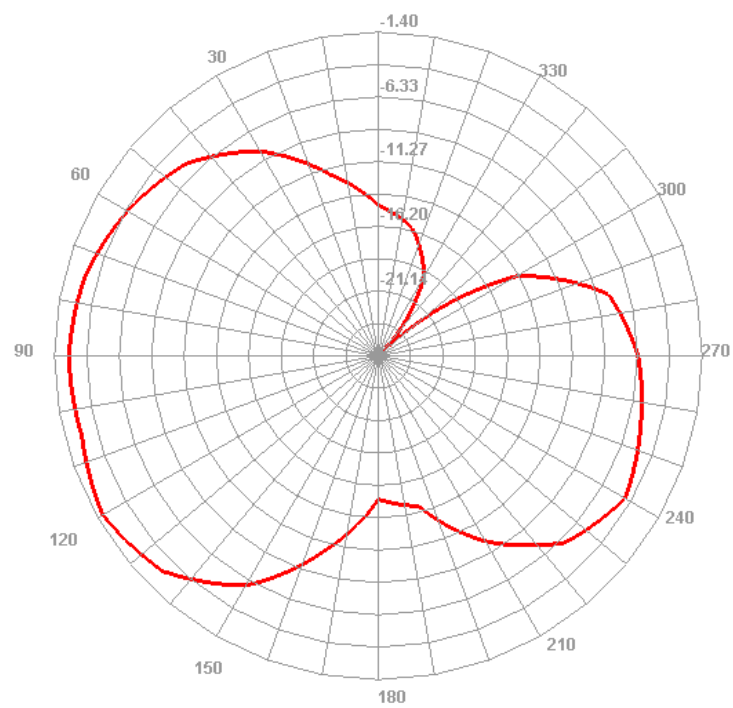
GSM 850



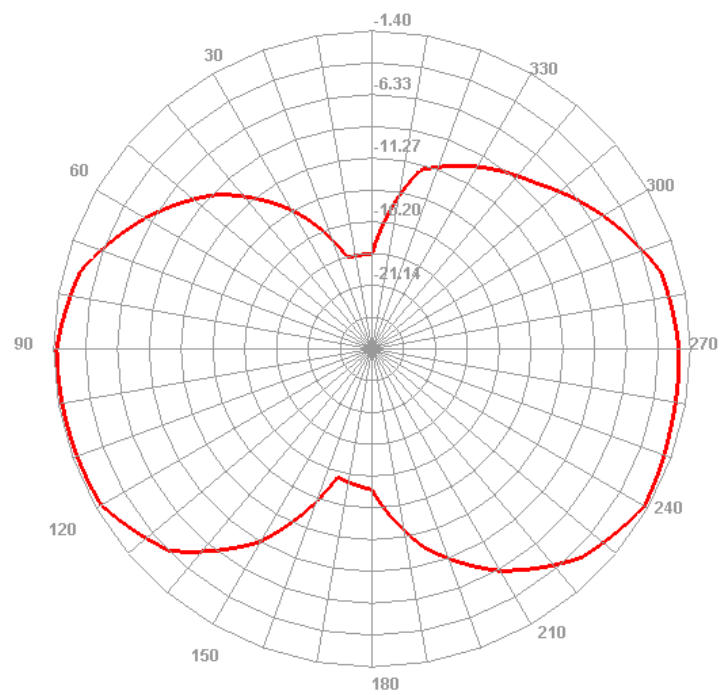
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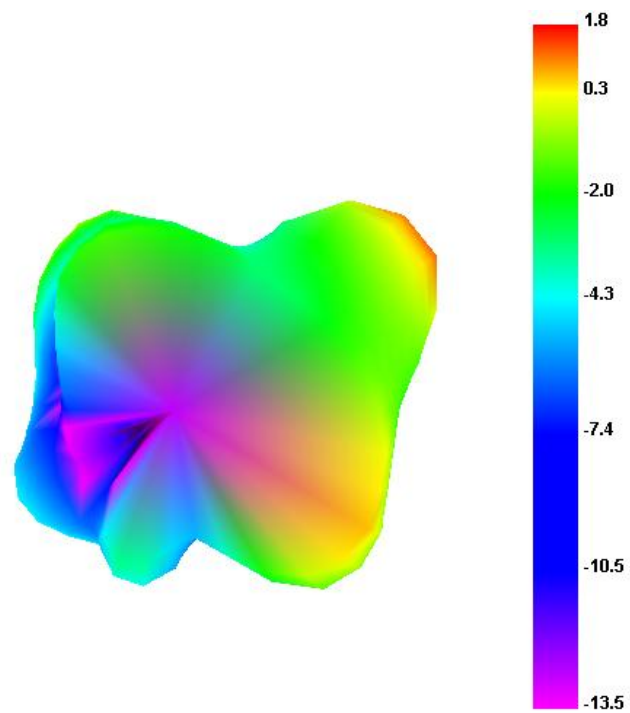
E1



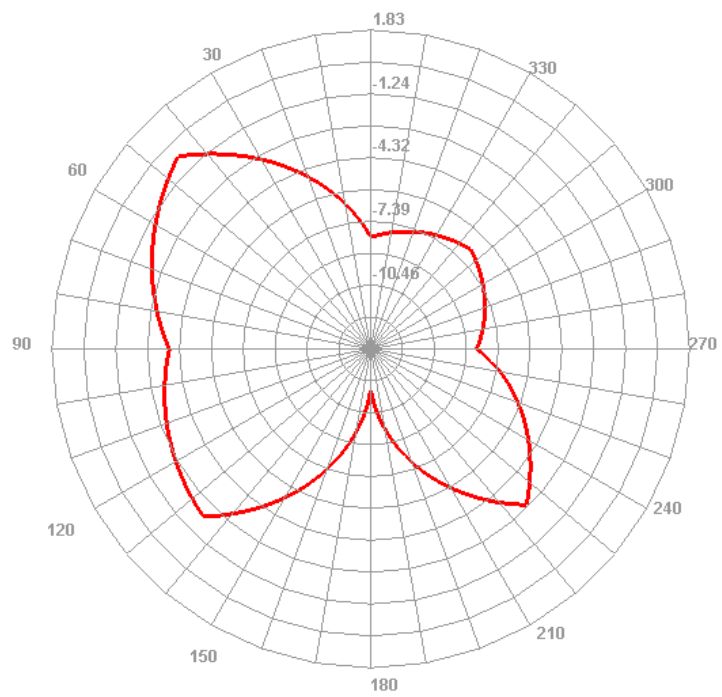
E2



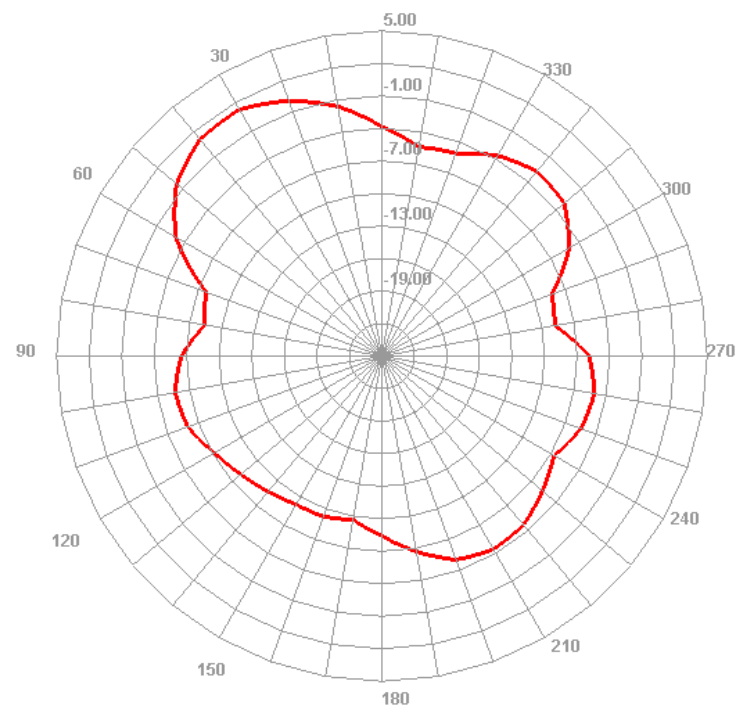
PCS1900



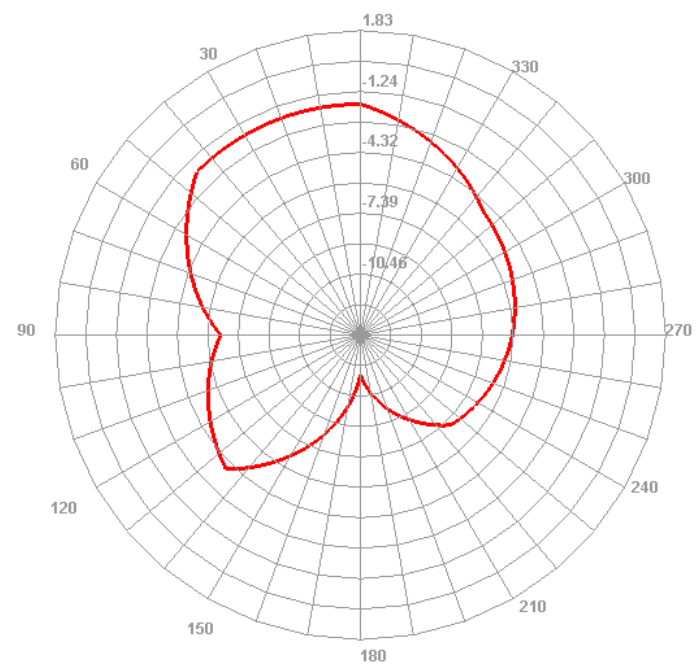
E1



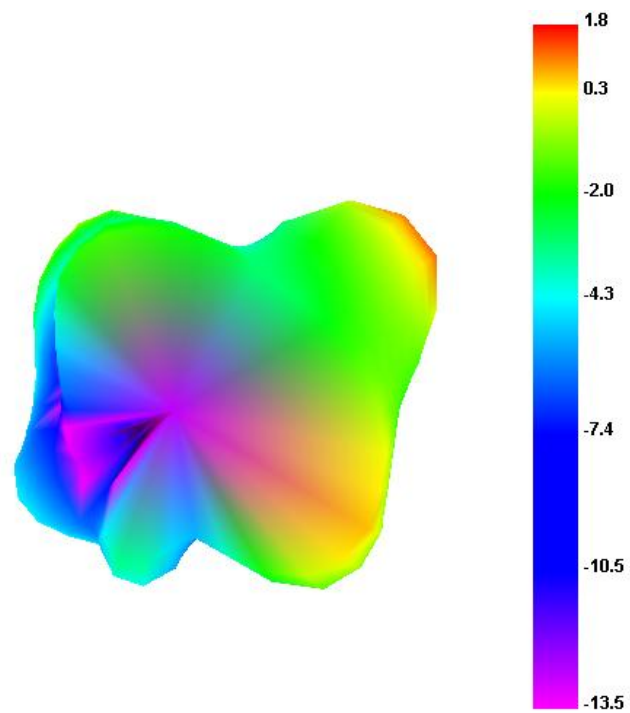
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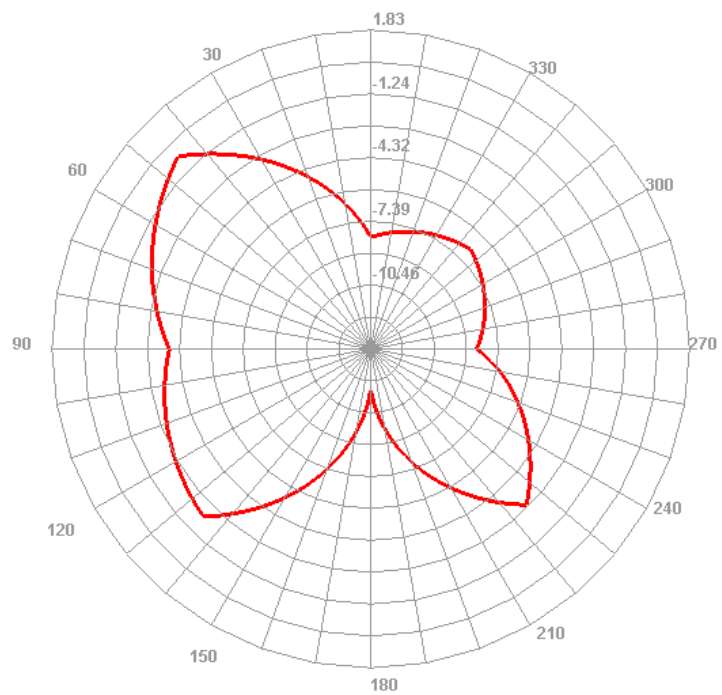
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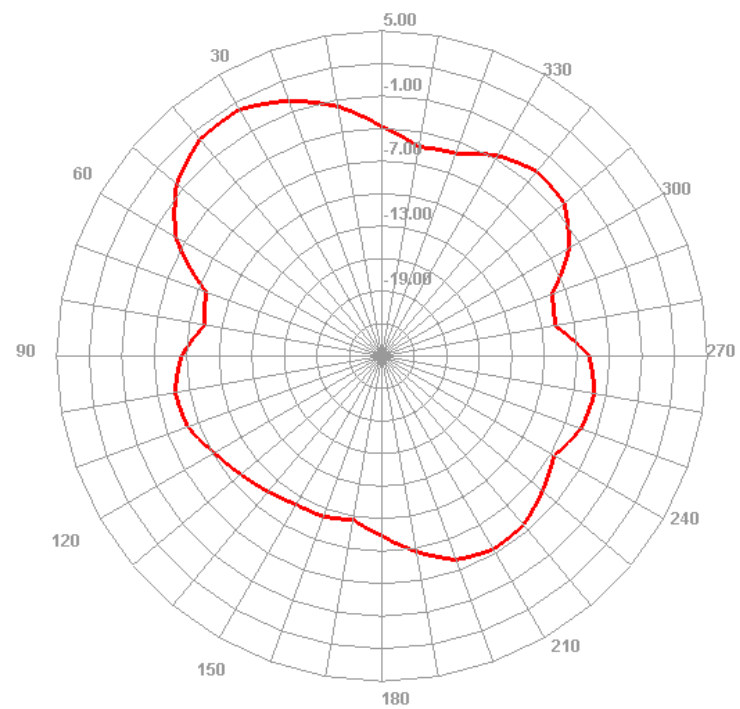
W1900



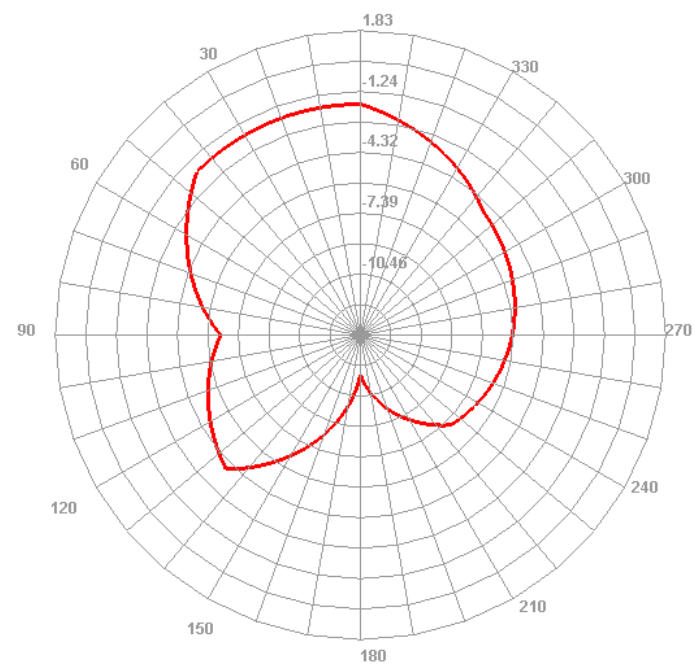
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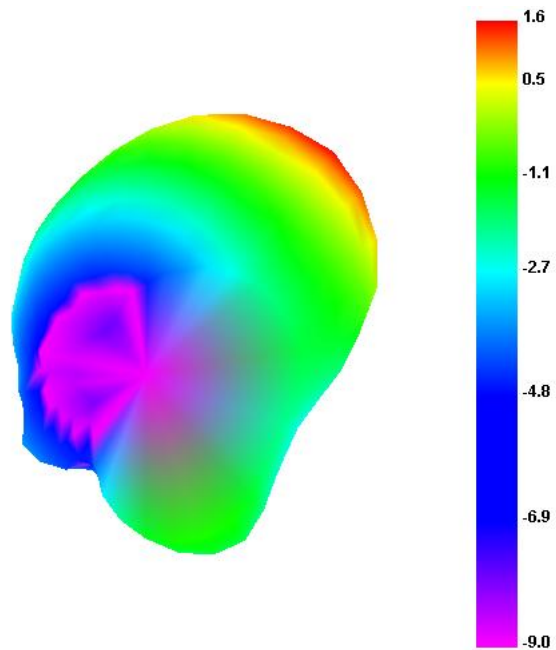
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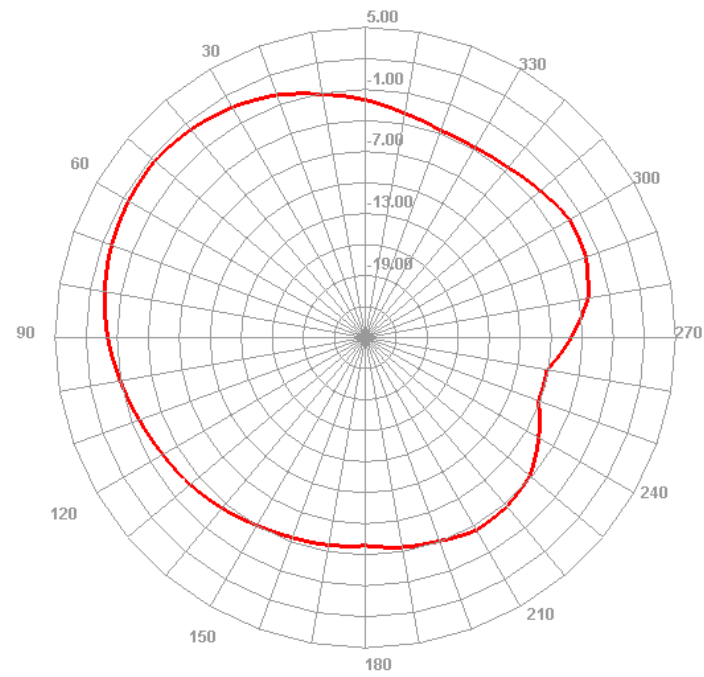
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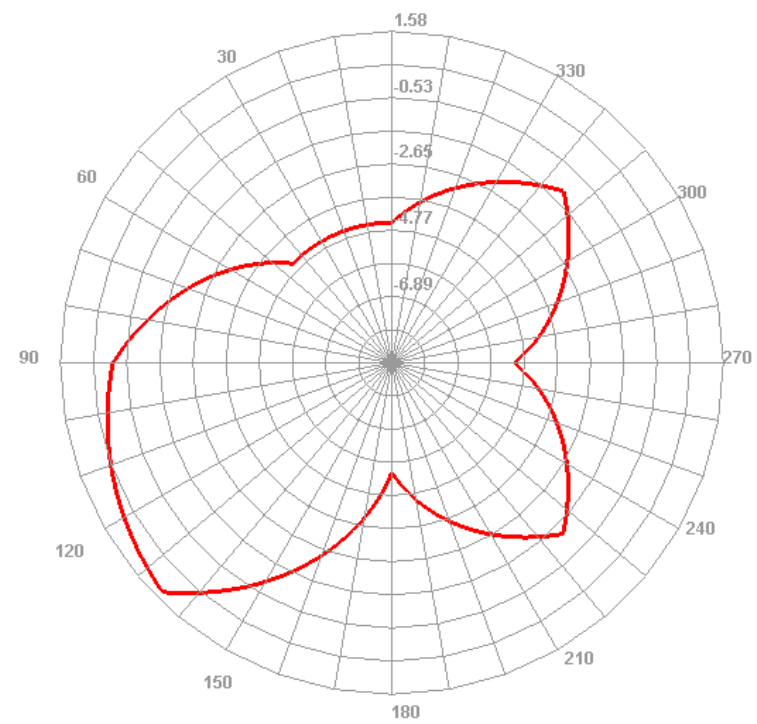
W1700



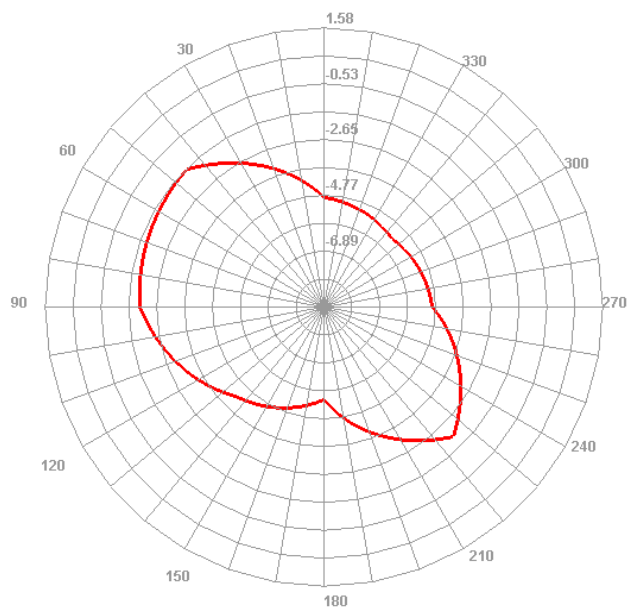
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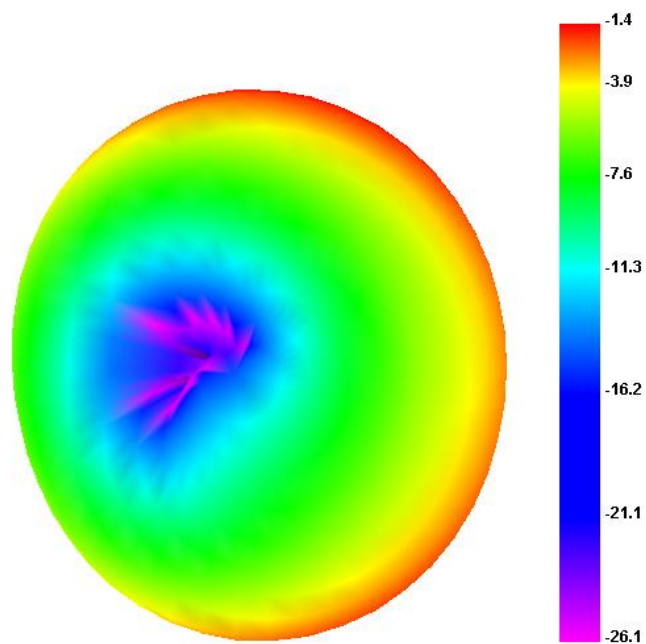
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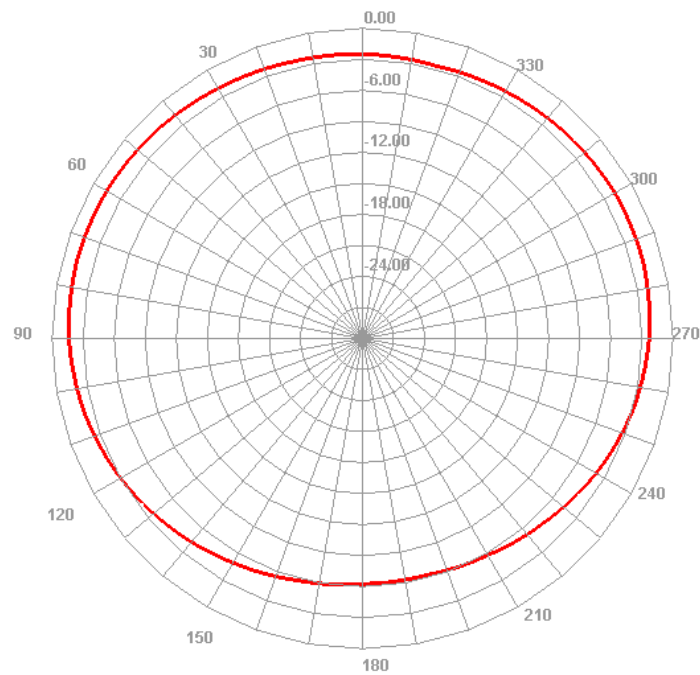
E1



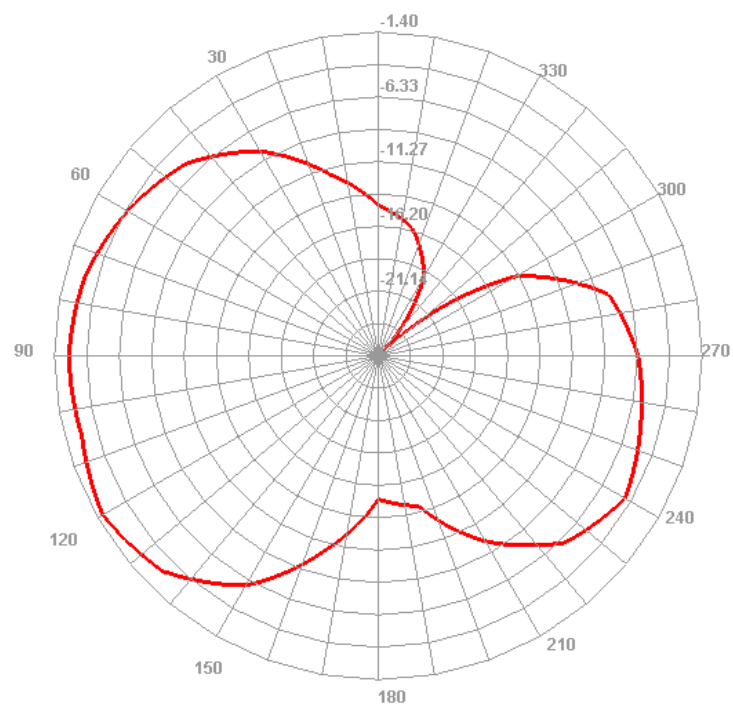
W850



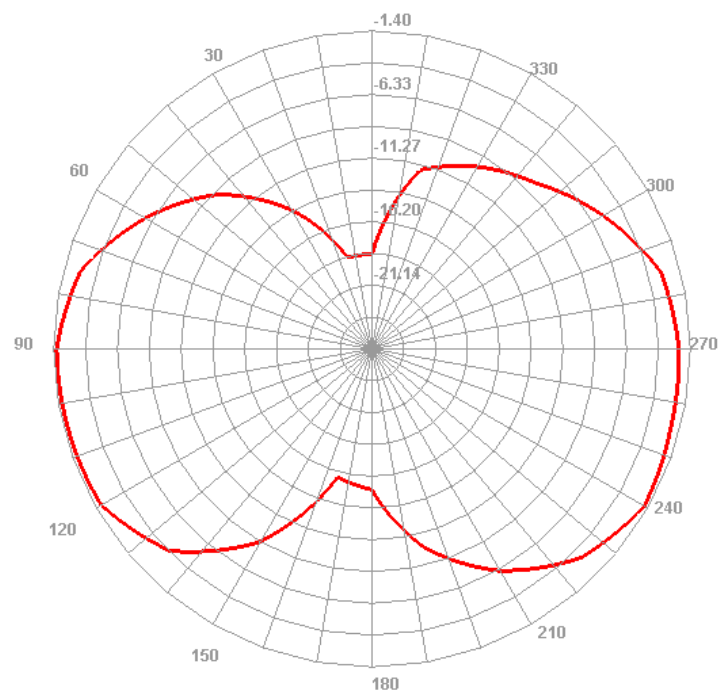
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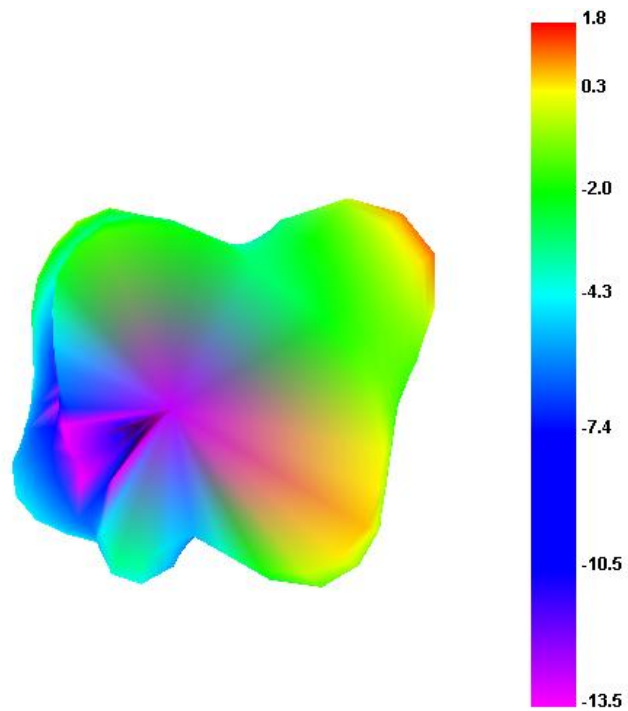
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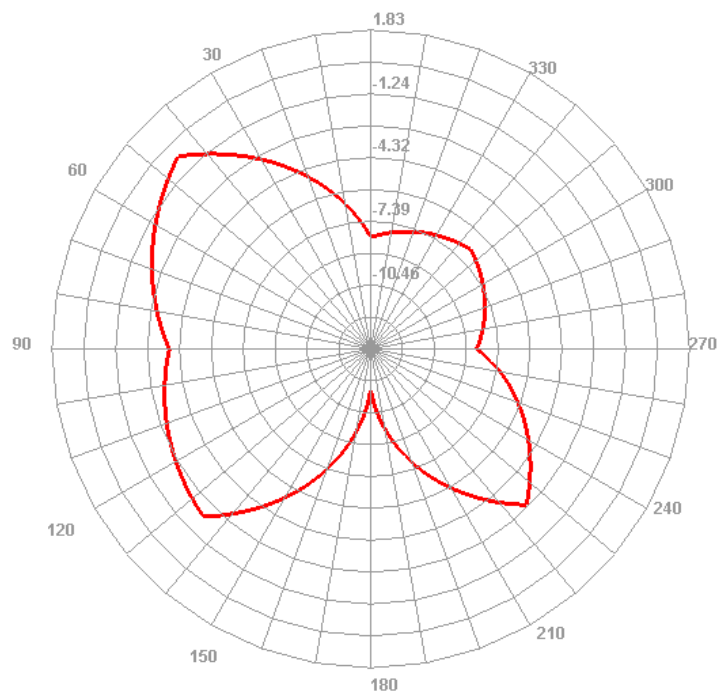
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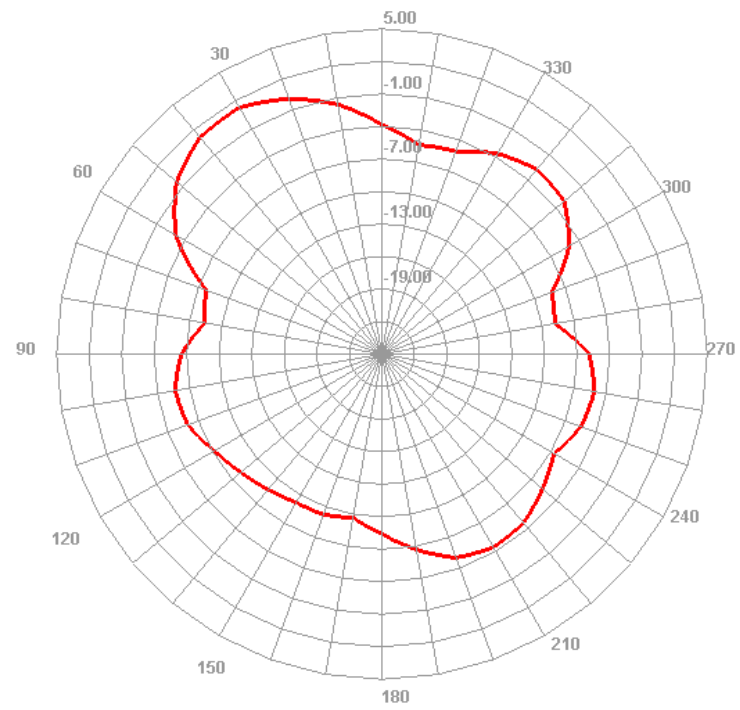
LTE-B2



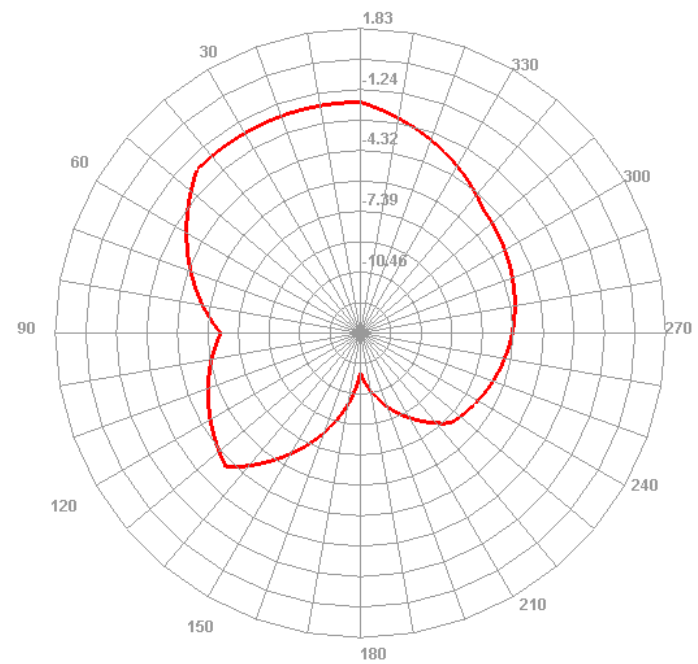
E1



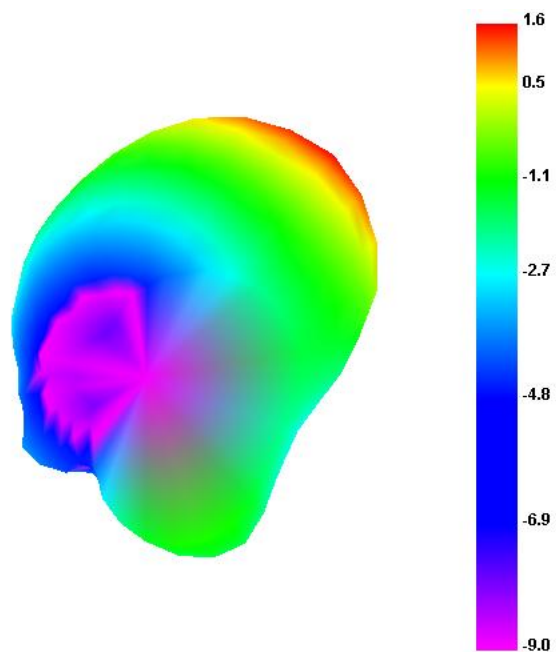
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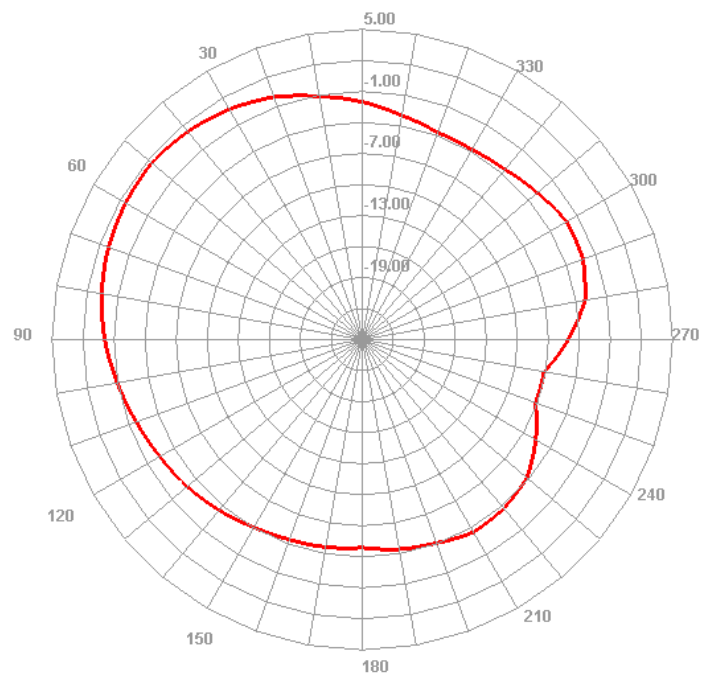
E2



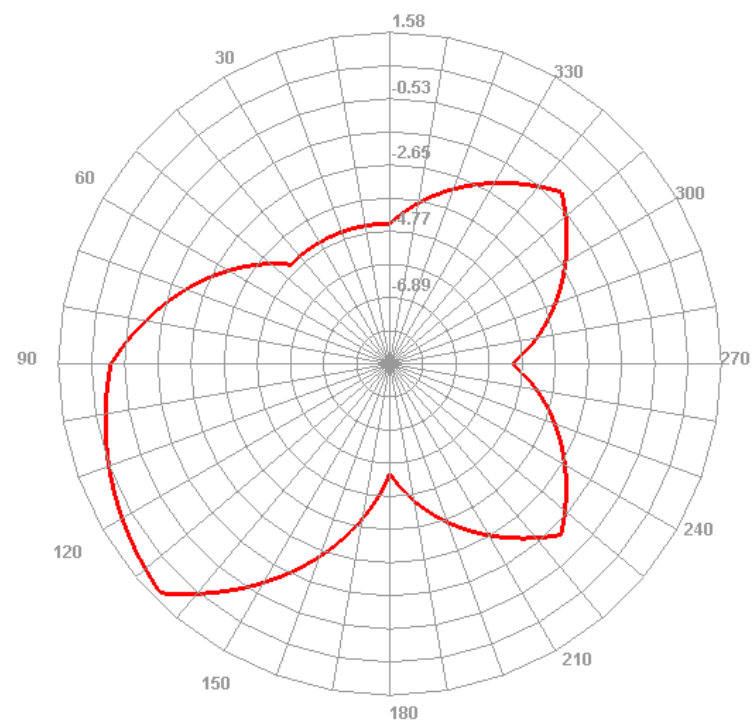
LTE-B4



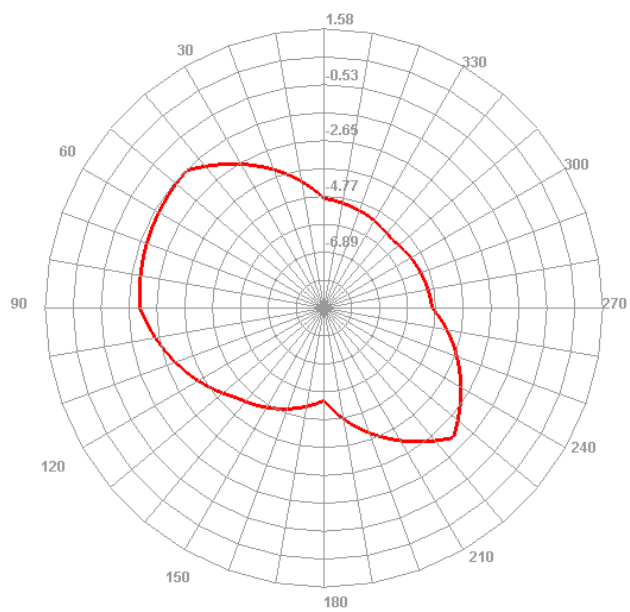
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E2

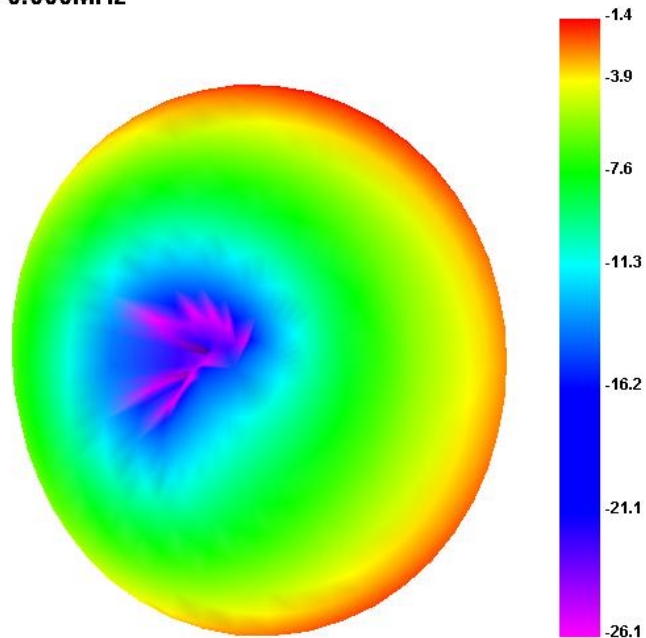


E1

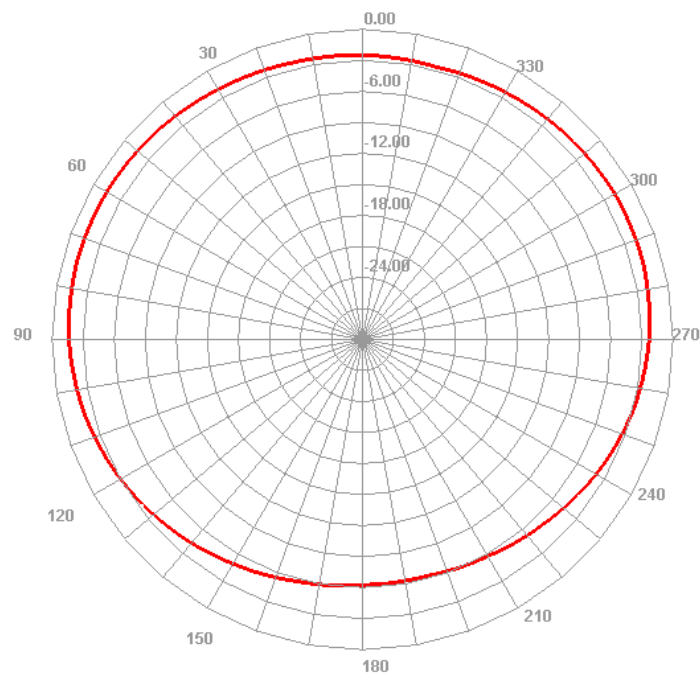


LTE-B5

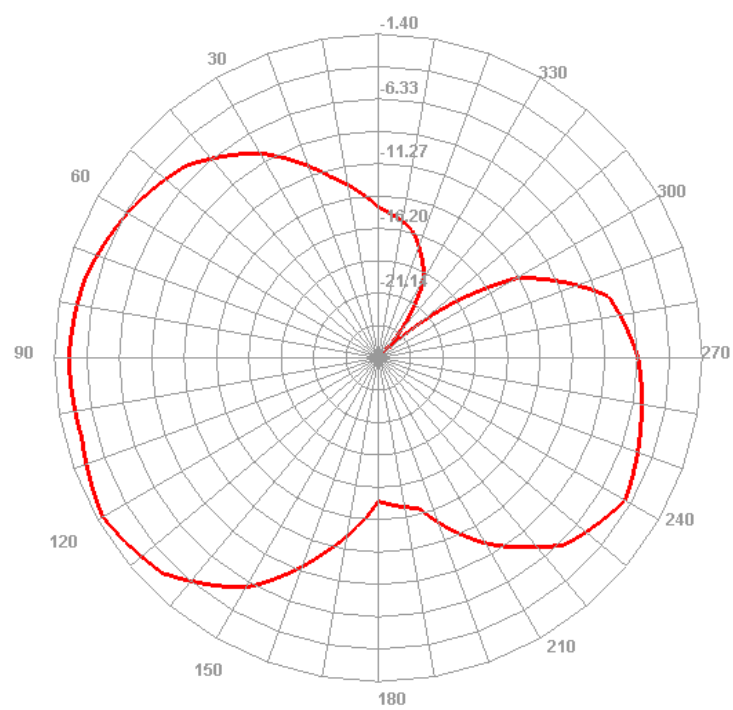
870.000MHz



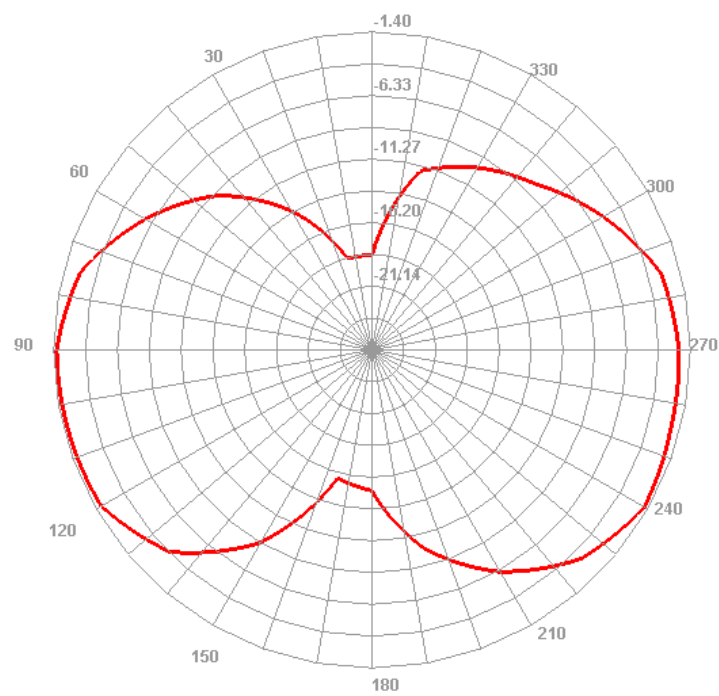
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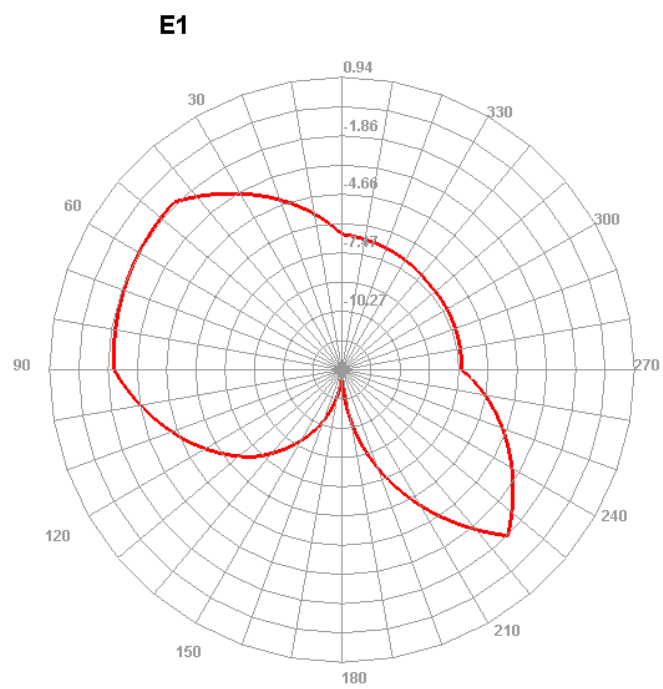
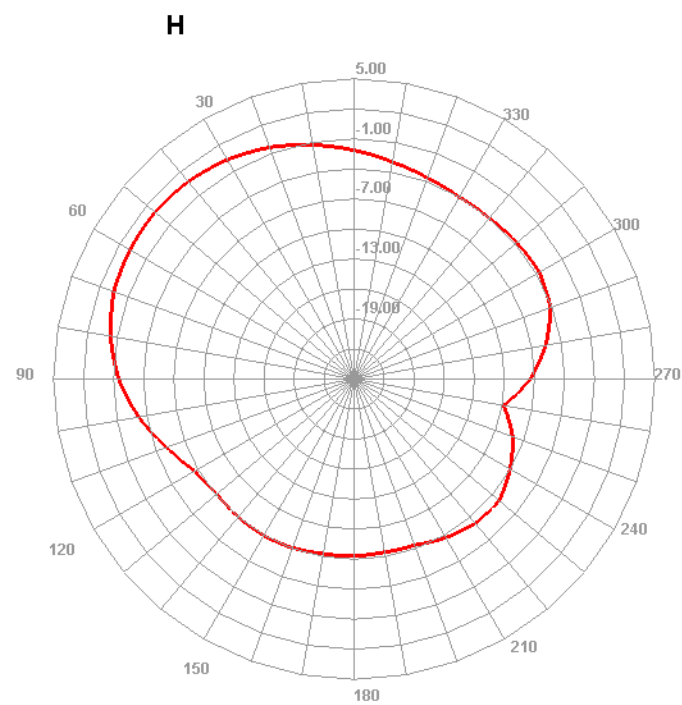
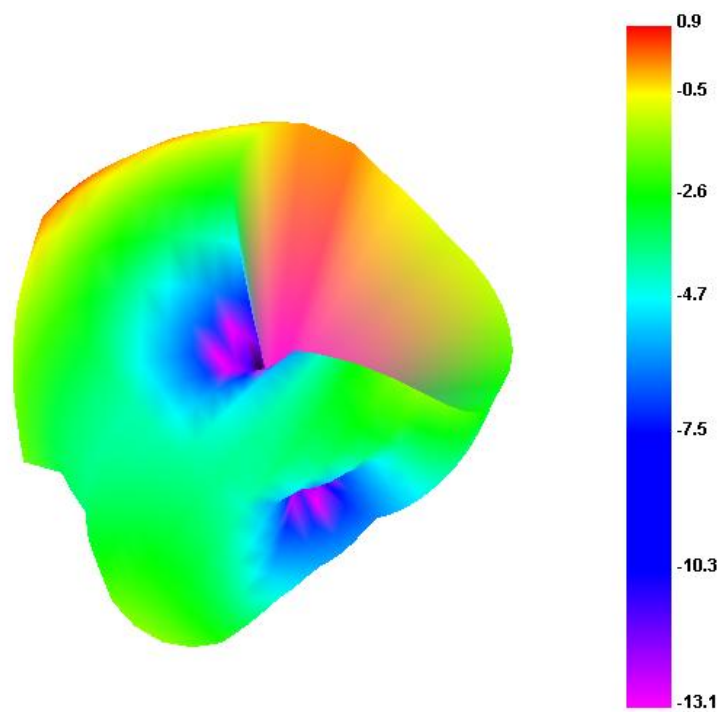
E1



E2

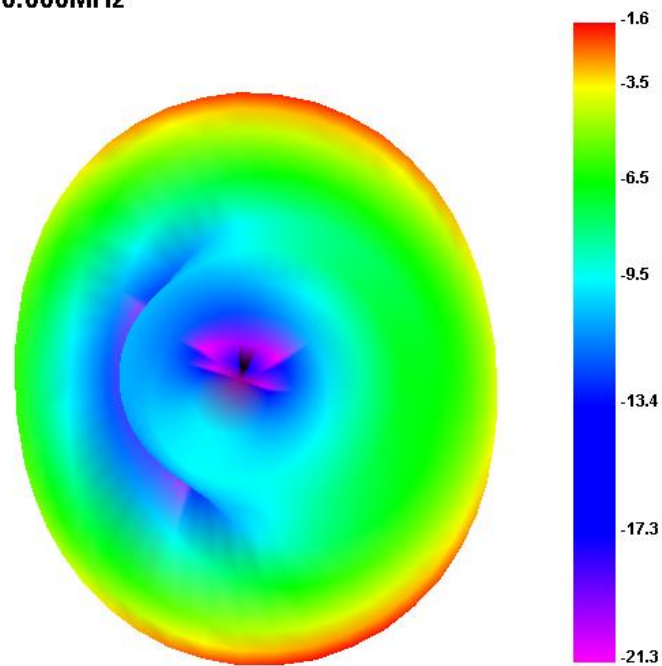


LTE-B7

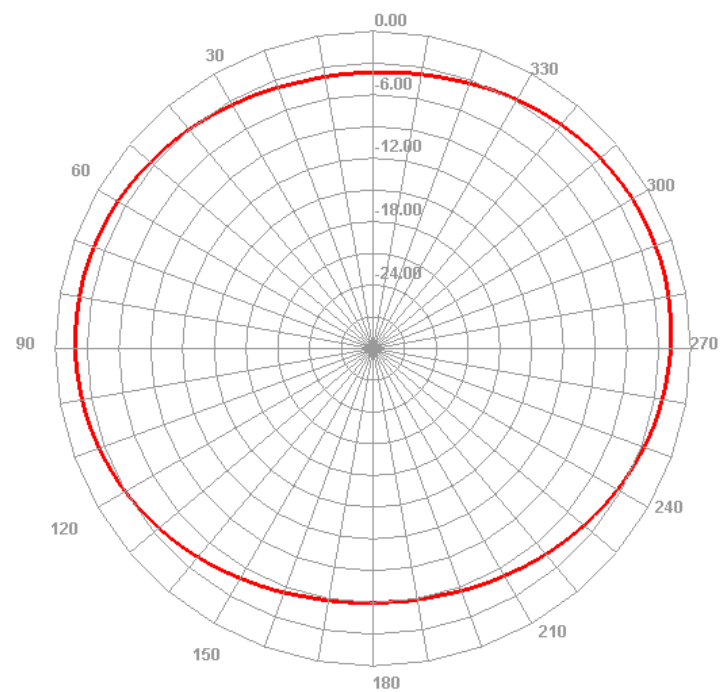


LTE-B12

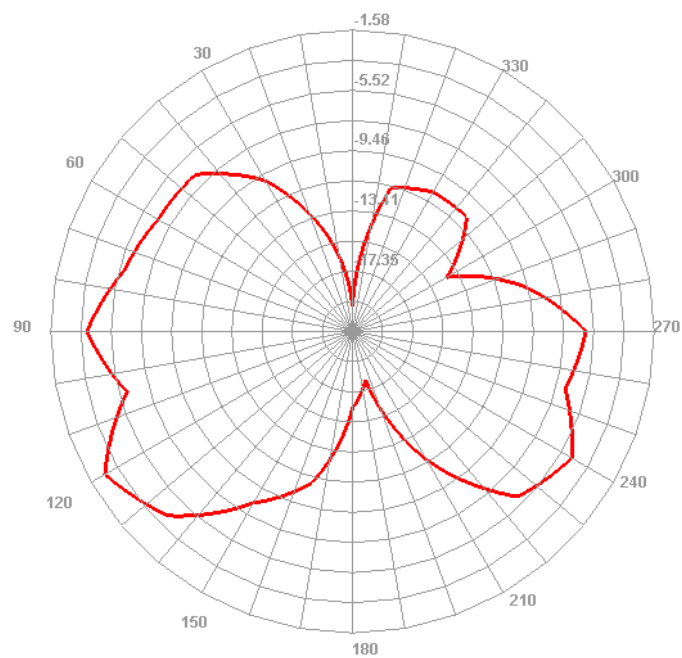
920.000MHz



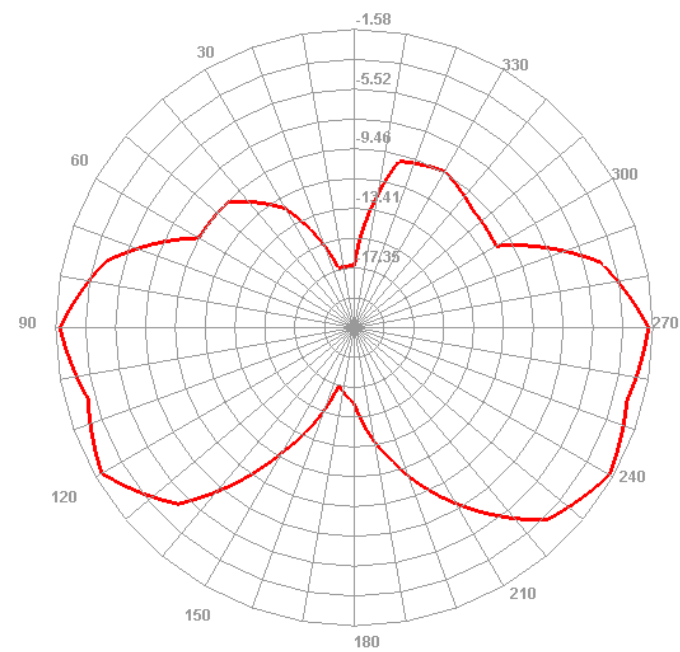
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E1

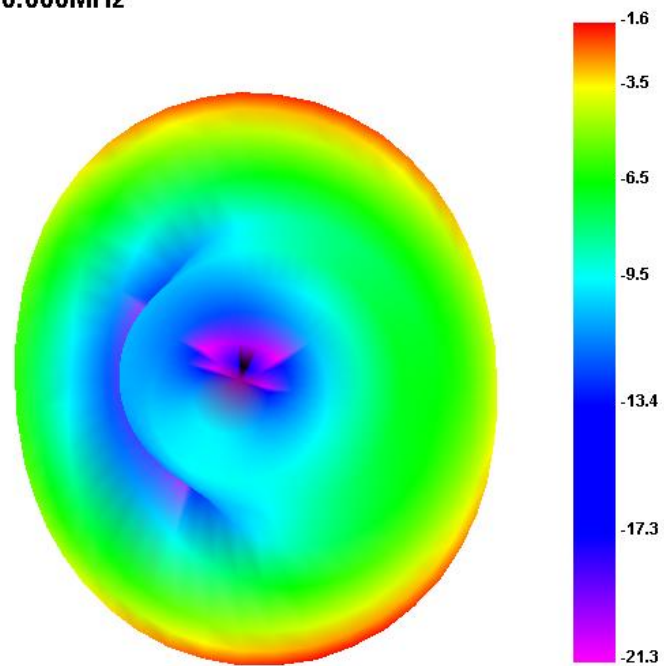


E2

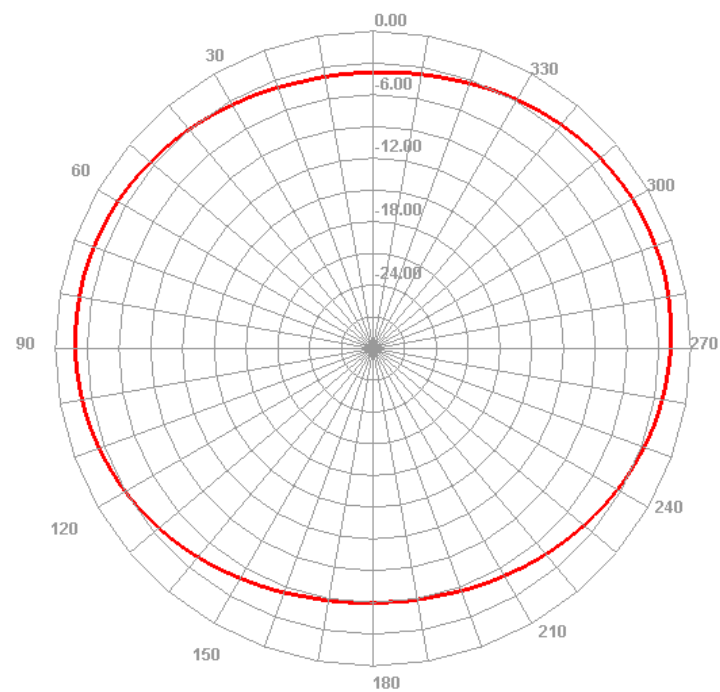


LTE-B17

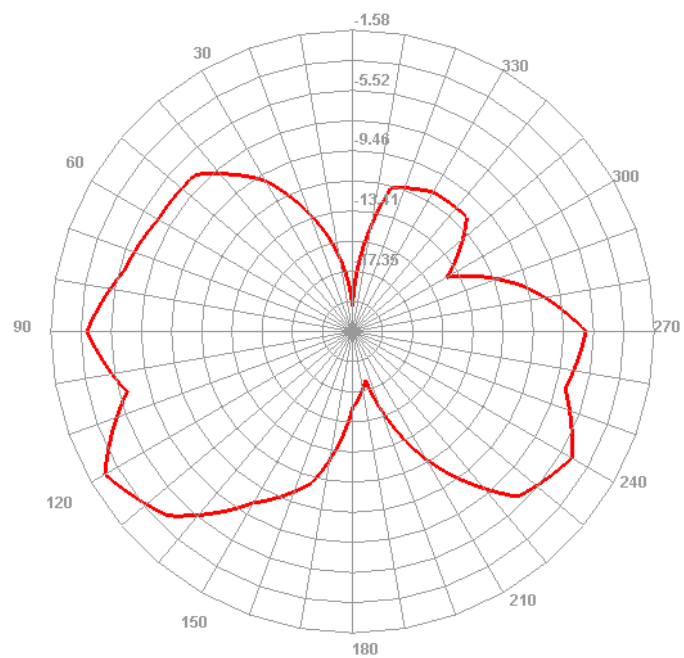
920.000MHz



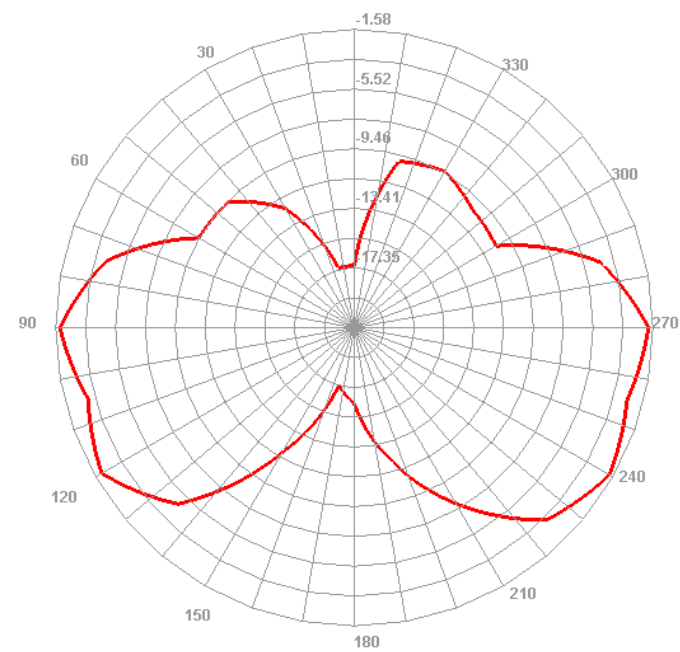
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E1

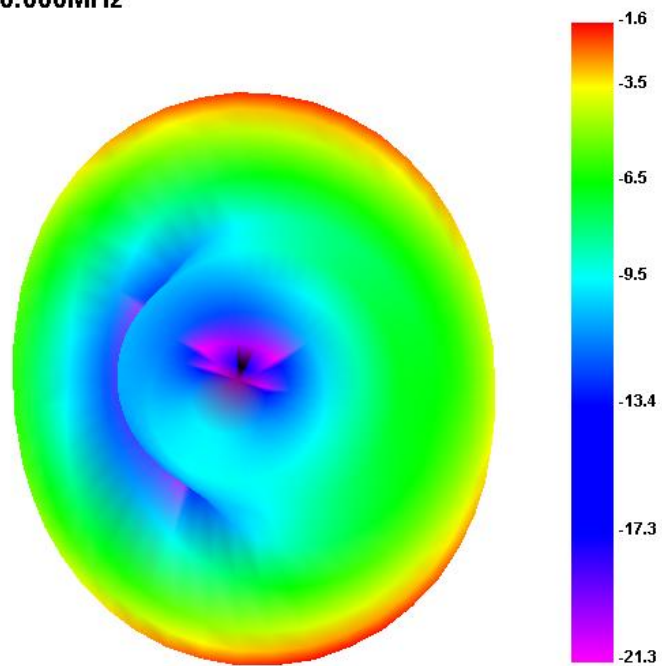


E2

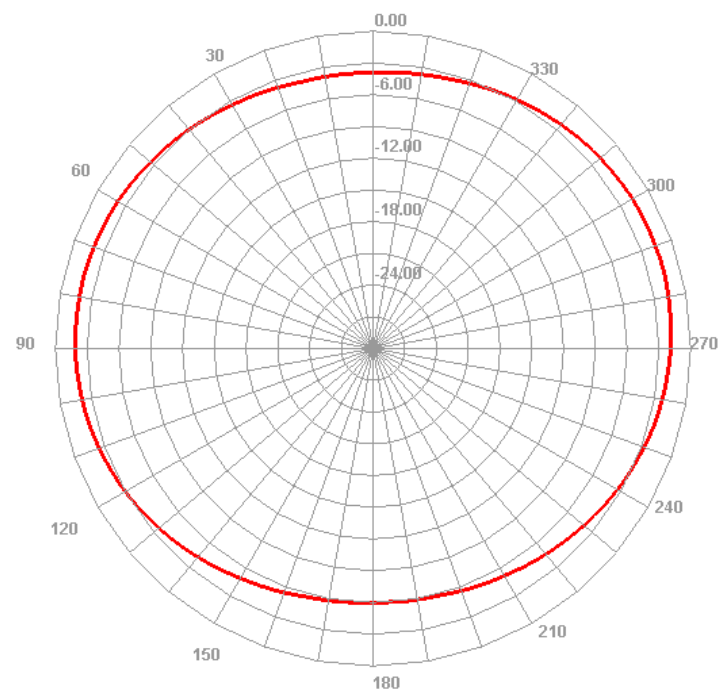


LTE-B28

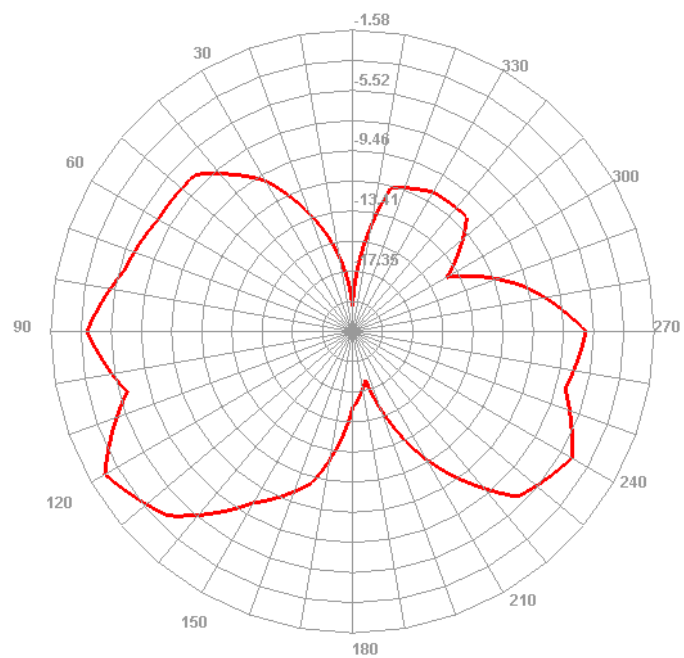
920.000MHz



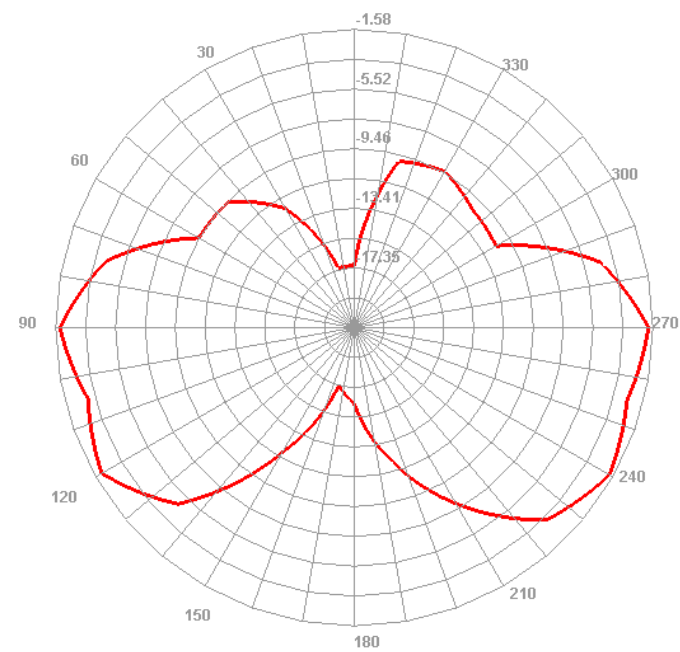
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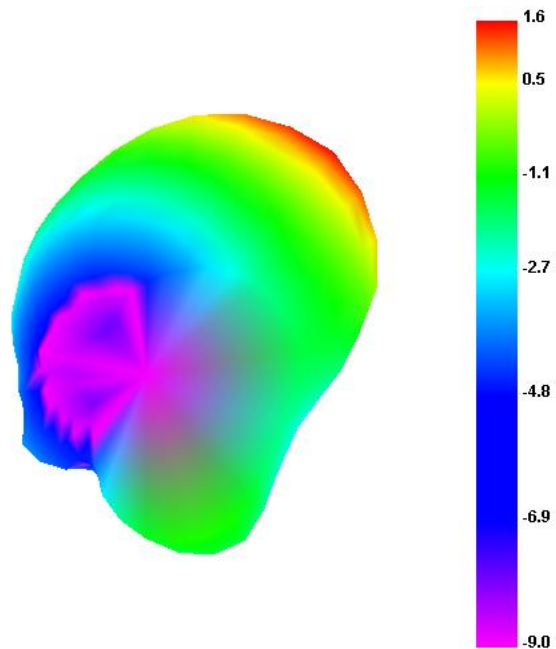
E1



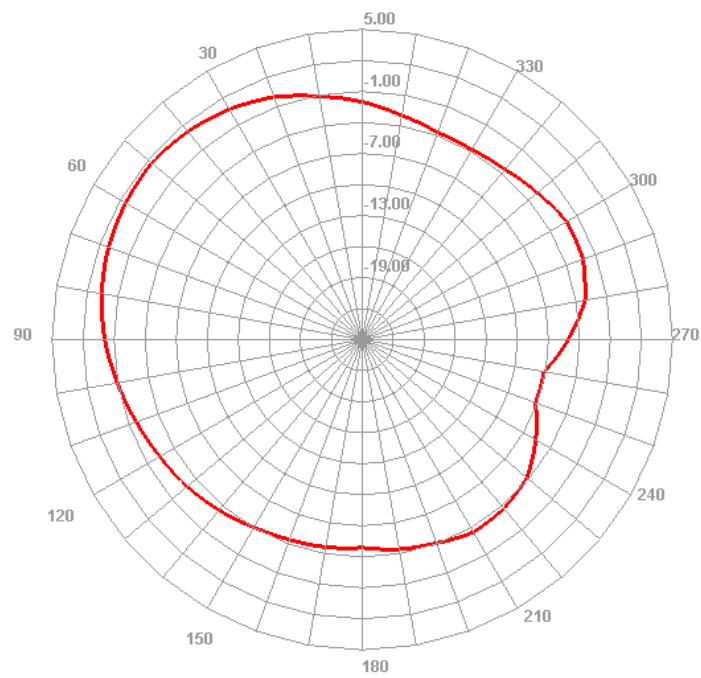
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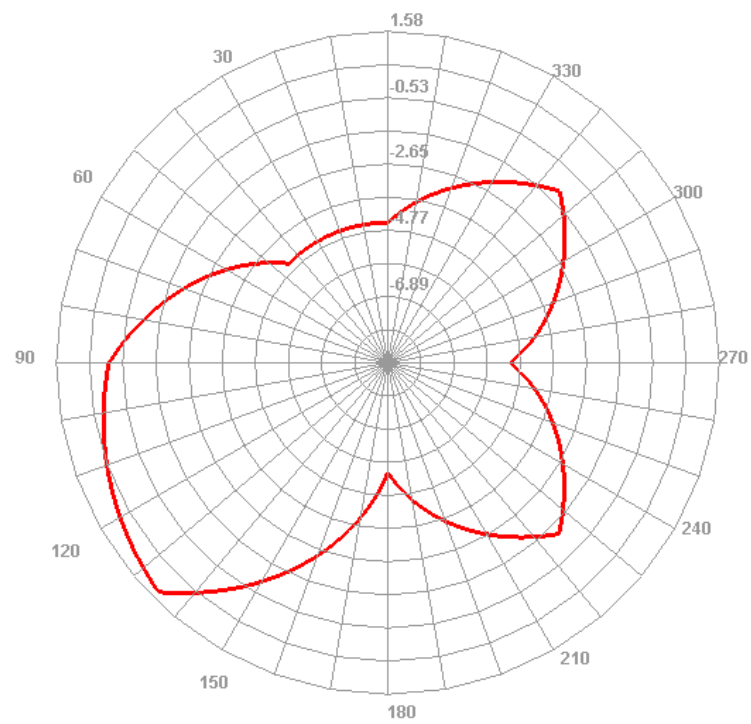
LTE-B66



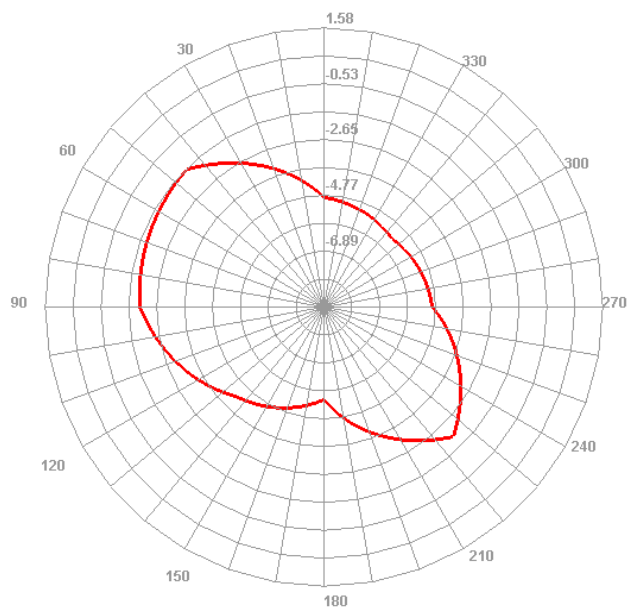
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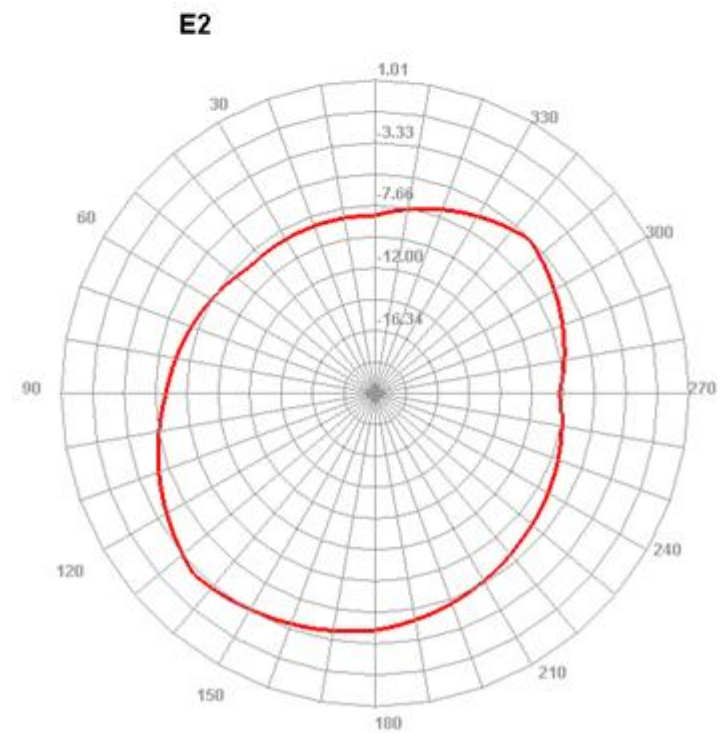
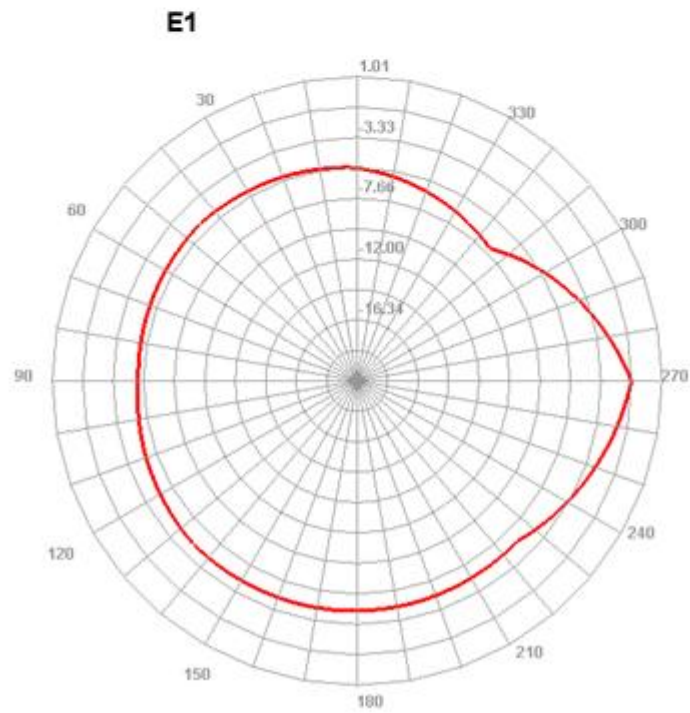
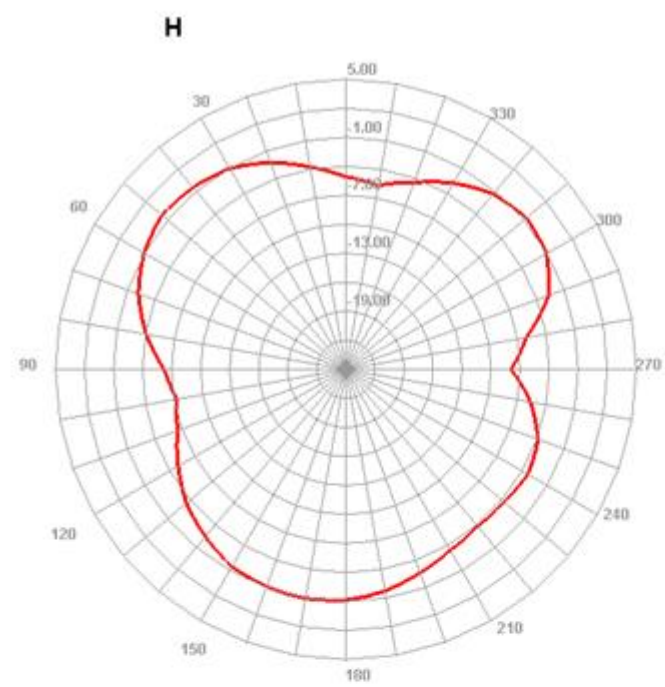
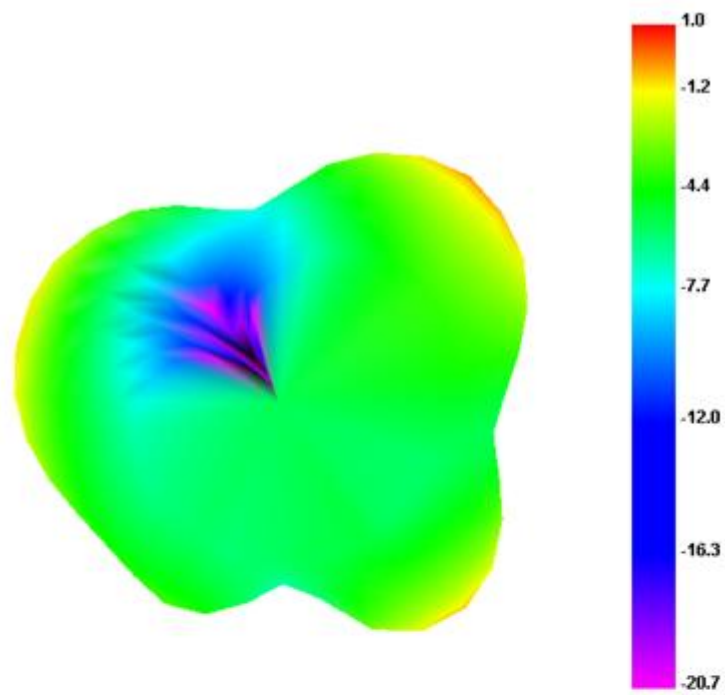
E2



E1



BT



Band	Total	
FDD_B2 (10MHz)	18.09	
	18.23	
	18.26	-91.99
FDD_B4 (10MHz)	18.29	
	18.41	
	18.77	-89.54
FDD_B5 (10MHz)	18.93	
	18.48	
	18.1	-89.64
FDD_B7 (10MHz)	16.95	
	17.44	
	17.05	-89.04
FDD_B12 (5MHz)	15.57	
	15.99	
	16.61	-87.56
FDD_B17 (10MHz)	15.78	
	16.24	
	16.48	-87.37

FDD_B28 (10MHz)	15.51	
	17.24	
	18.4	-86.45
FDD_B66 (10MHz)	18.52	
	18.76	
	18.84	-89.88
GSM850	27.7	
	28.18	
	28.53	-101.52
PCS1900	25.94	
	26.22	
	25.87	-102.53
WCDMA_B2	18.29	
	18.55	
	18.36	-103.07
WCDMA_B4	17.71	
	17.91	
	18.04	-100.83
WCDMA_B5	18.55	
	18.36	
	17.99	-102.1

