

HONANT

Acknowledgement

SPECIFICATION FOR APPROVAL

Customer Name

CUSTOMER NAME:

Shenzhen Gangshan Guanglian Electronic Technology Co., Ltd.
The third floor of Building 11, Heshakeng Industrial Zone, Sanlian Village, Buji Town,
Longgang District, Shenzhen

Customer Part Number

CUSTOMER P/N:

1120-008-0084 2.4Gbuilt-inFPCSticker Antenna,L=45MM, domesticIPEX
Interface/Hongji Wireless Long44*Width5.6MM

Product Number

PRODUCT P/N:

H1C45F3D380A

Product Name

PRODUCT NAME:

2.4Gbuilt-inFPCantenna

Specifications:

H1C45F3D380A/2.4Gbuilt-inFPCantenna0.81Black Line

Description:

L=45mm+DomesticIPEX(Second generation)

Version

REV:

Aversion

Factory stamp

SIGN	Approval	Audit	Production
	APPROVED BY	CHECKED BY	DRAM

Customer signature

SIGN	quality	Development	project
	QE	R&D	PE

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1. Version HistoryRevision History):

Version Number	Revision Page	Change Date	Revised by	Reasons and contents of revision	Remark
Reversio n	noodle Revisio	Change date	Revised by	Reason and content for revision	Remarks
A	-	2024.12.21	Victor	First edition released	

illustrate:

In principle, this specification is valid for 1 year;

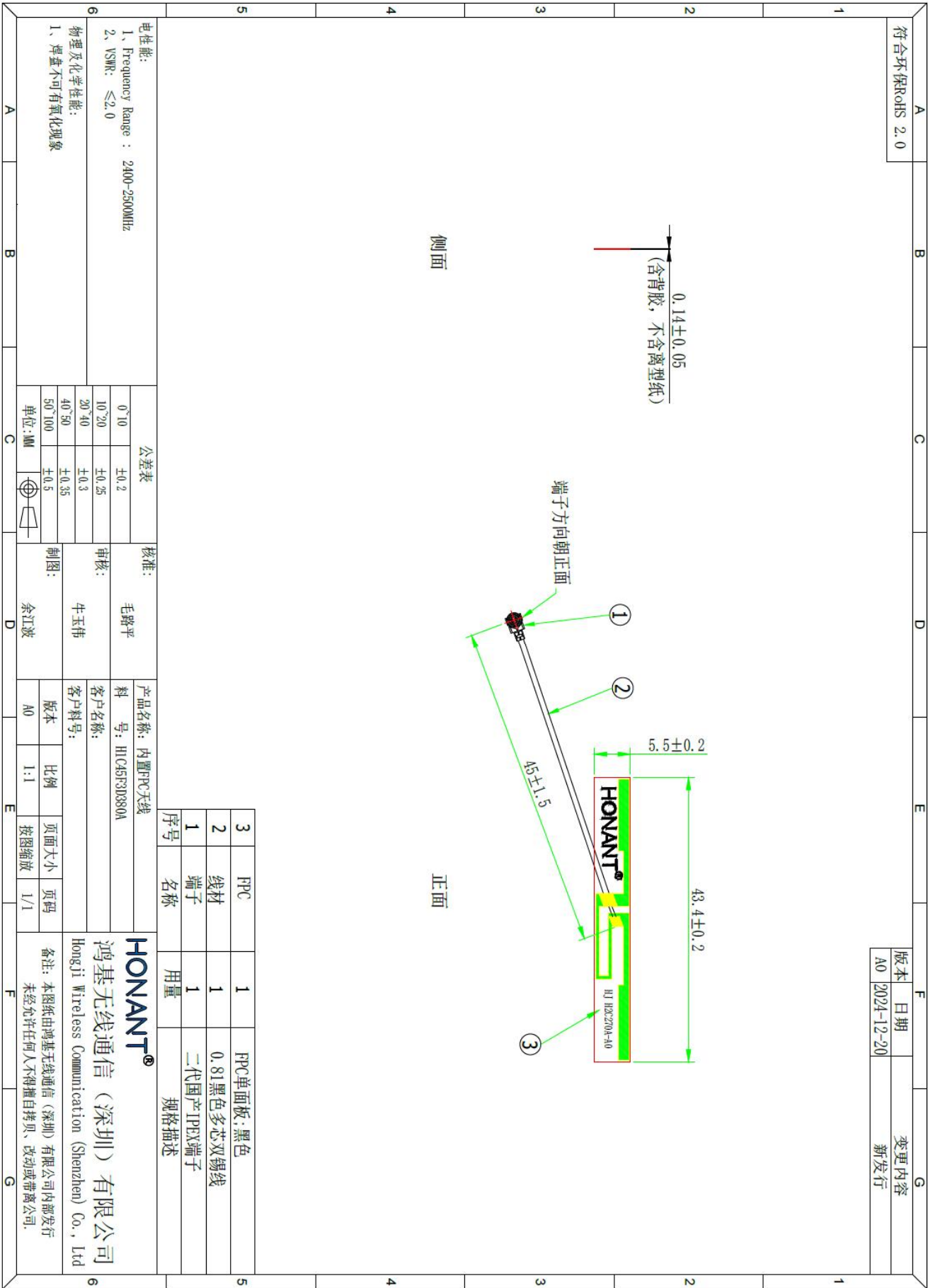
If either party needs to make changes, both parties must reach an agreement and the changes can be implemented; after the validity period of this specification expires, if neither party makes any request for modification, the validity period of this specification will be extended by 1 year.

2. SpecificationsSpecification Table):

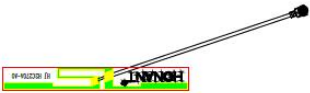
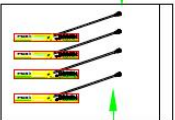
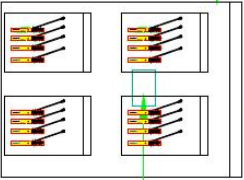
Main technical parameters of the product

Main technical indicators		Main technical specifications	
Frequency range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Characteristic impedance(Ω)	50	Impedance(Ω)	50
Gain(dBi)	1.66	Gain(dBi)	1.66
Output voltage VSWR	≤2.0	VSWR	≤2.0
Polarization	Linear polarization	Polarization	Linear
Directionality	Omnidirectional	Radiation	Omni-directional
Connection	Cable+IPEX	Connector Type	Cable+IPEX
Physical properties		Physical Properties	
Antenna Materials	FPC	Antenna cover	FPC
Operating temperature	- 20°C~+70°C	Operating Temp	- 20°C~+70°C
Storage temperature	- 20°C~+60°C	Storage Temp	- 20°C~+60°C

3. Finished product picture (Product drawing):

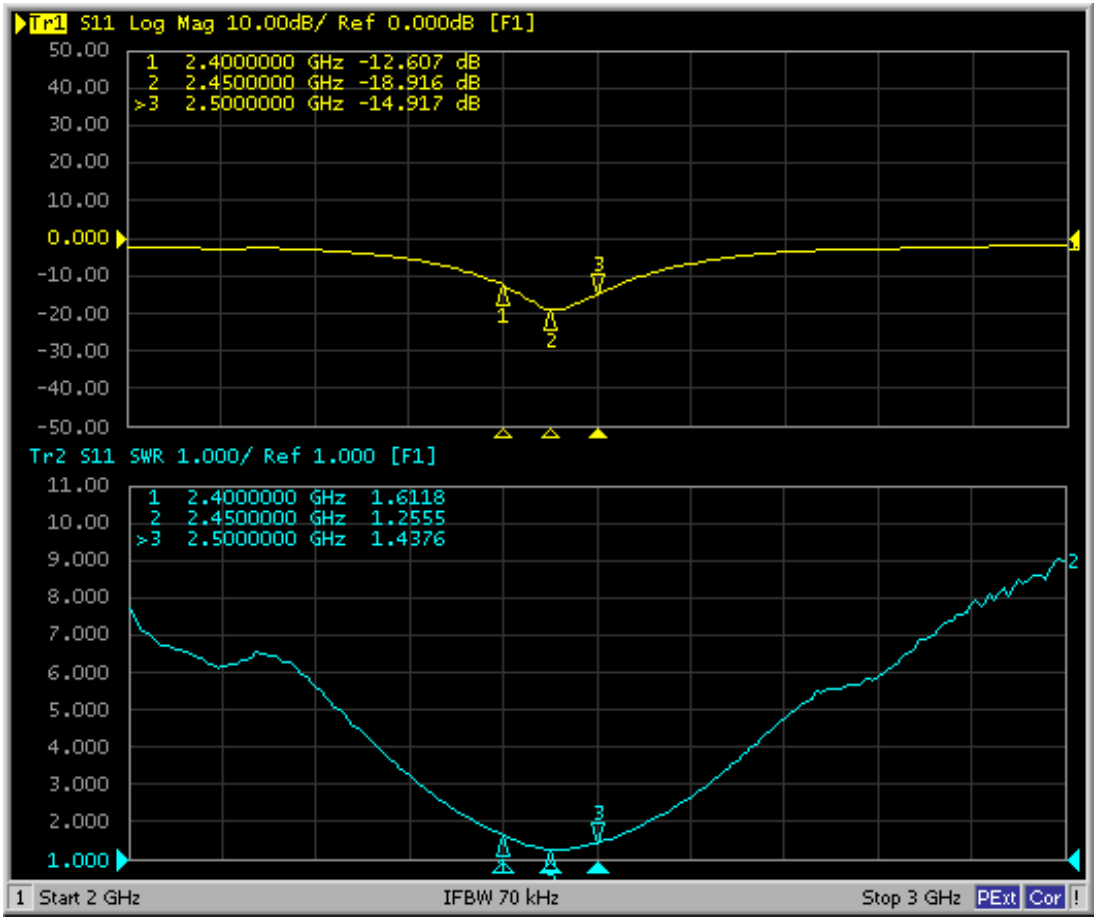


4. Packaging Specifications (Packaging specifications):

A				B				C				D				E				F				G																							
符合环保RoHS 2.0																				版本		日期		变更内容																							
																				A0		2024-12-20		新发行																							
																				1				2				3				4				5				6							
																				单个产品																											
																																															
																								小PE袋				珍珠棉袋&橡皮筋																			
																																															
																												大PE袋				内袋标签															
																																															
																																大内袋包装说明：															
																																				1. 每大袋装入10小袋/共2000PCS产品。											
																																								2. 每大袋需贴相应内袋标签							

5. Test report:

5.1: Network Analyzer Test Report



5.2 Antenna gain and efficiency

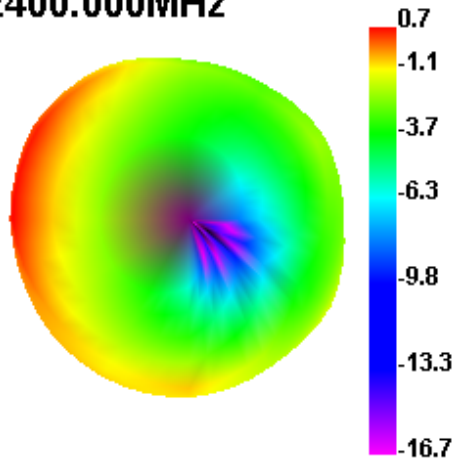
Passive Test For 2400										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	50.62	-2.17	0.69	-1.46	30.896	29.723	0.69	-16.74	46.87	46.67
2410	52.59	-2.03	0.77	-1.38	31.843	30.747	0.77	-16.35	46.85	46.74
2420	55.98	-1.81	1.14	-1.01	33.907	32.075	1.14	-16.18	46.98	46.85
2430	51.86	-2.09	0.81	-1.34	31.729	30.134	0.81	-16.64	47.05	46.99
2440	53.97	-1.94	1	-1.15	33.014	30.952	1	-16.3	47.31	47.29
2450	56.85	-1.75	1.02	-1.13	34.403	32.446	1.02	-15.22	47.72	47.63
2460	56.96	-1.43	1.29	-0.86	36.974	34.985	1.29	-14.02	47.76	47.66
2470	58.73	-1.21	1.34	-0.81	38.62	37.105	1.34	-12.96	47.73	47.52
2480	56.88	-1.14	1.37	-0.78	38.737	38.14	1.37	-12.37	47.76	47.52
2490	57.78	-0.93	1.66	-0.49	40.801	39.976	1.66	-12.02	47.89	47.63
2500	55.63	-1.1	1.51	-0.64	39.282	38.348	1.51	-12.04	47.75	47.52
							Application Information			
							O4Version	4.95.303		
							TotalTime	3m 12s 530ms		
							AdditionalInfor	NULL		

5.3: Active test report

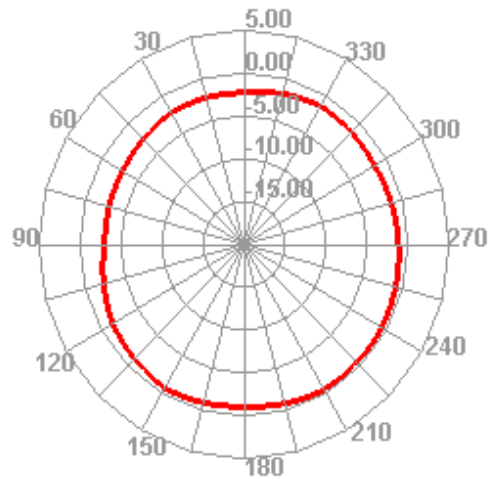
Active Measurement Report											
Manufacturer				Model							
Item	Tester	Measurement	Azimuths	Elevations	Standard	Band	Channel	Frequency	MaxValue	TIS	TRP
1	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_B	B_11M	1	2412	-82.44	-77.56	15.33
2	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_B	B_11M	6	2437	-83.82	-79.06	16.11
3	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_B	B_11M	13	2472	-79.08	-73.95	16.48

5.4: darkroom2D,3D Raditation Pattern

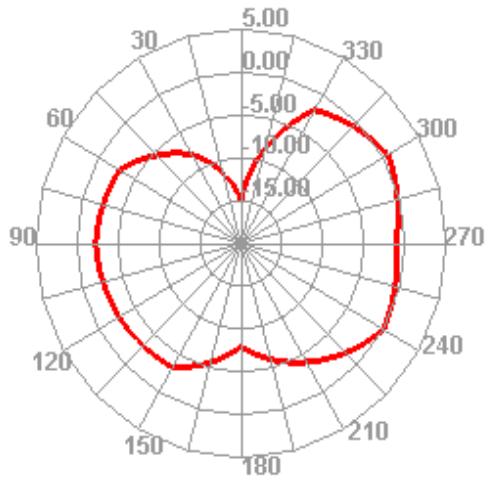
2400.000MHz



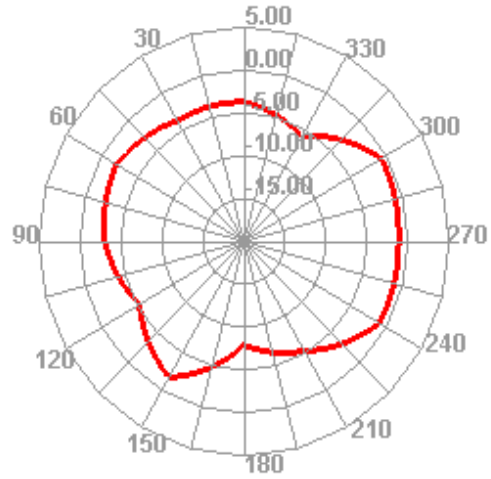
2400.000MHz H



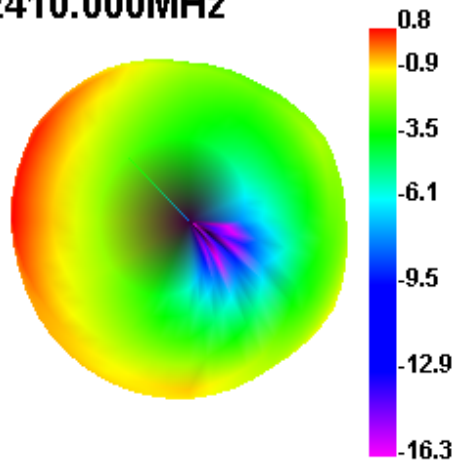
2400.000MHz E1



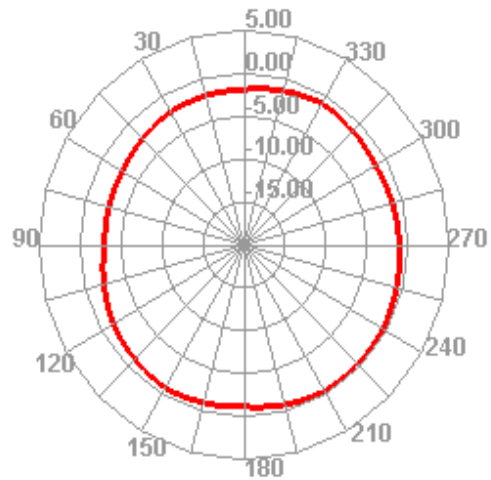
2400.000MHz E2



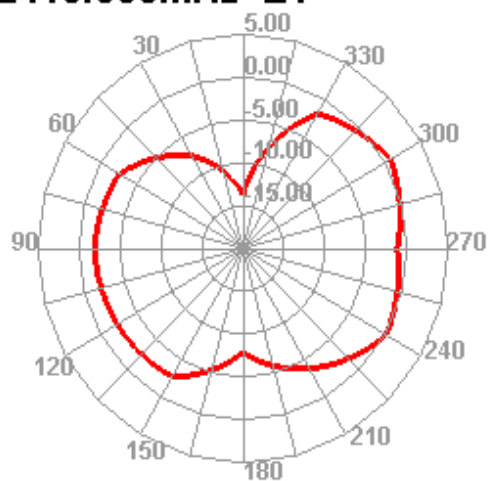
2410.000MHz



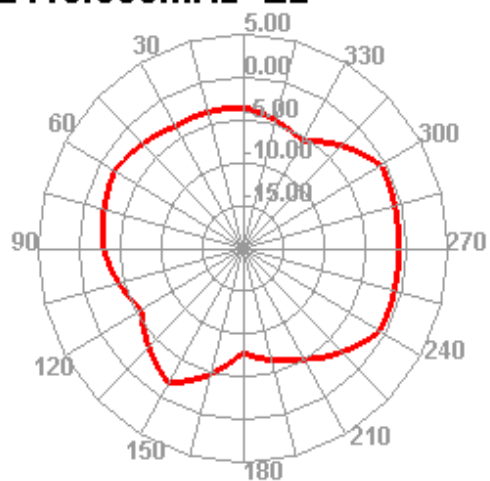
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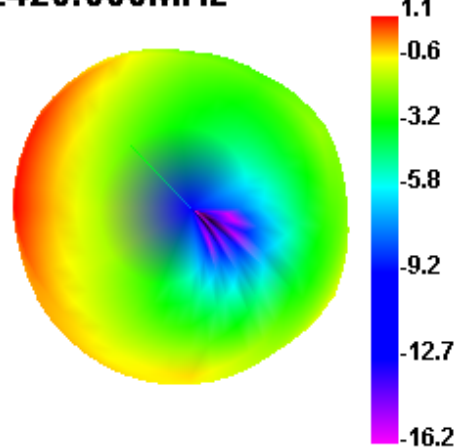
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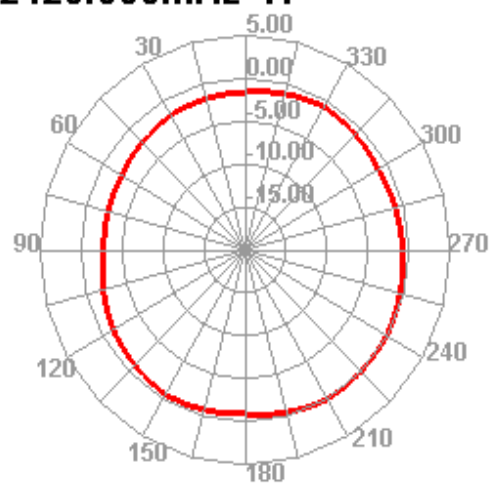
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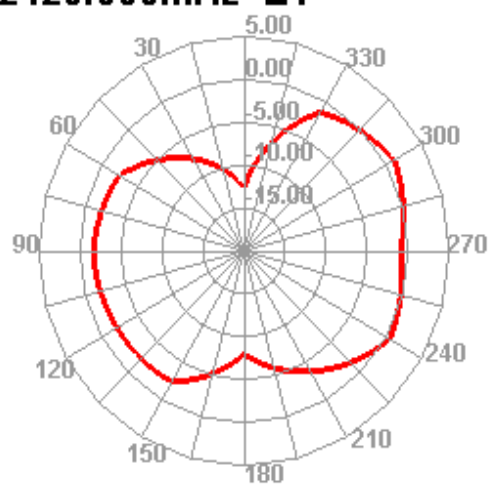
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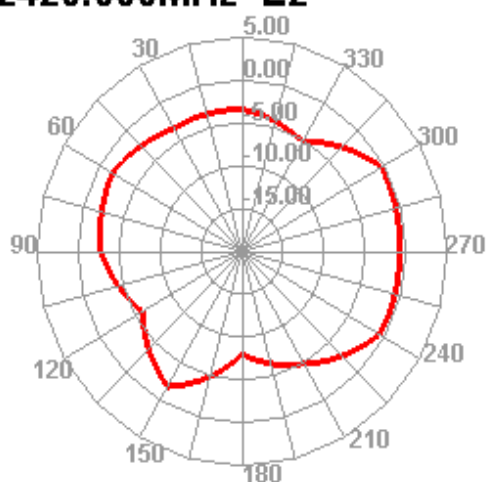
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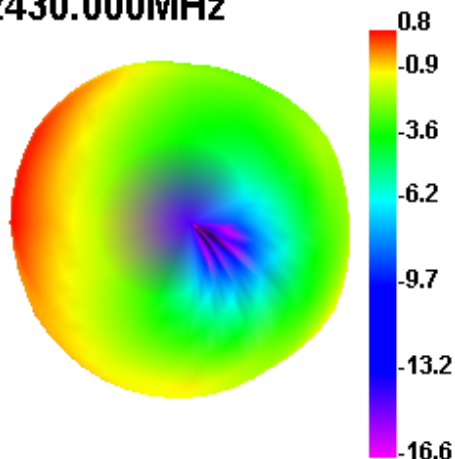
2420.000MHz E1



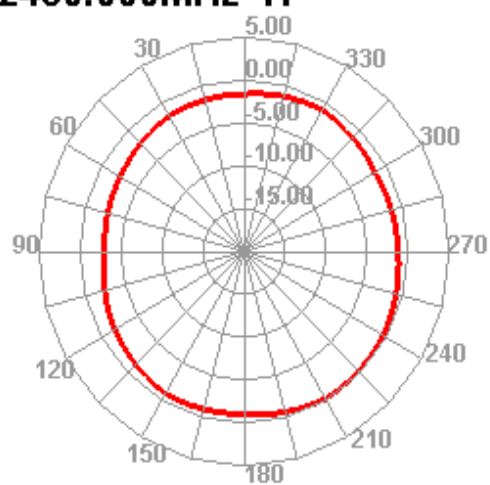
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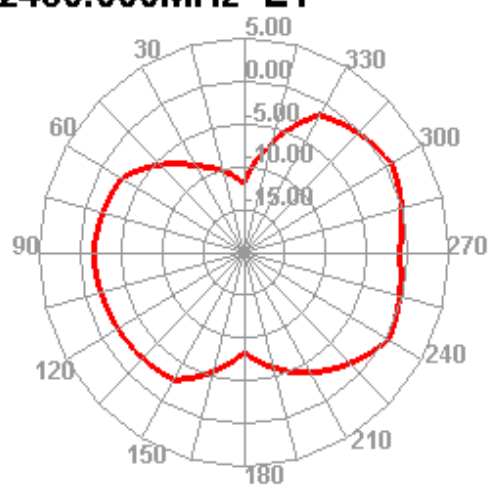
2430.000MHz



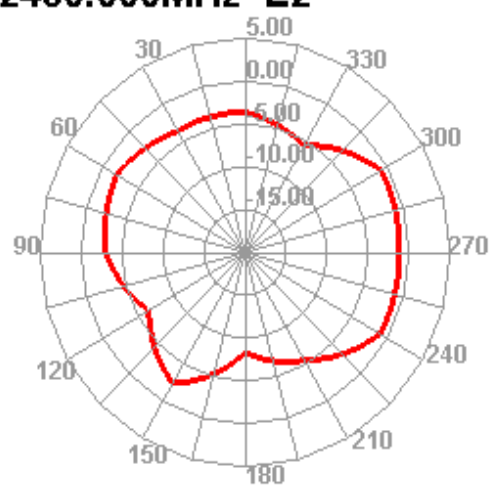
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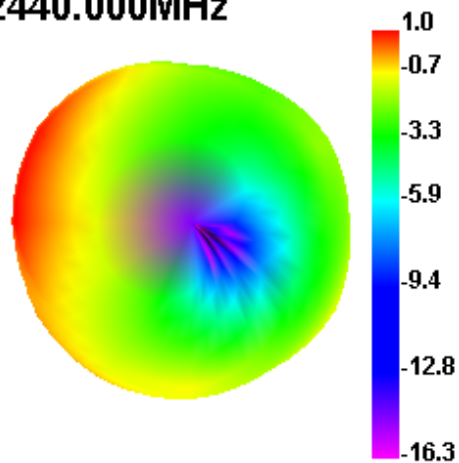
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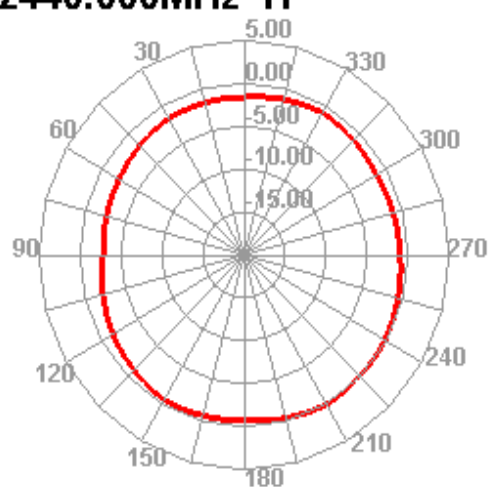
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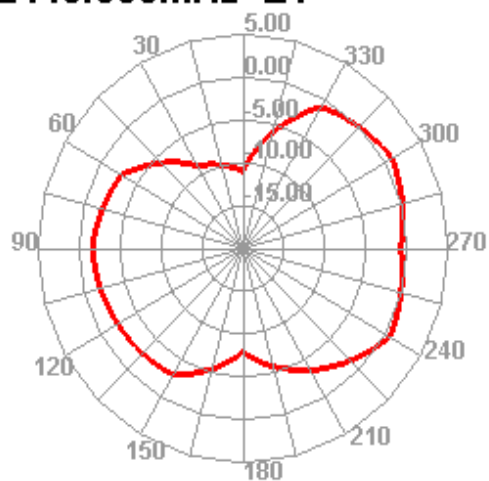
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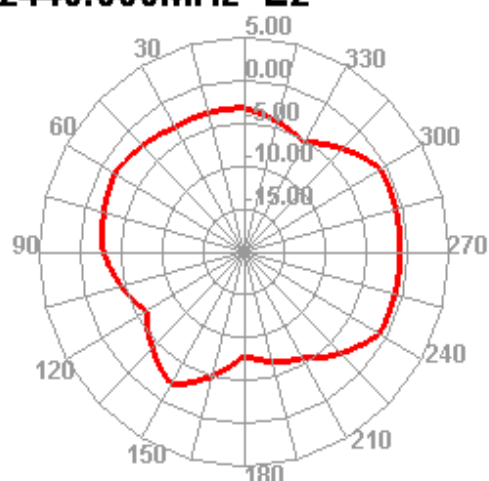
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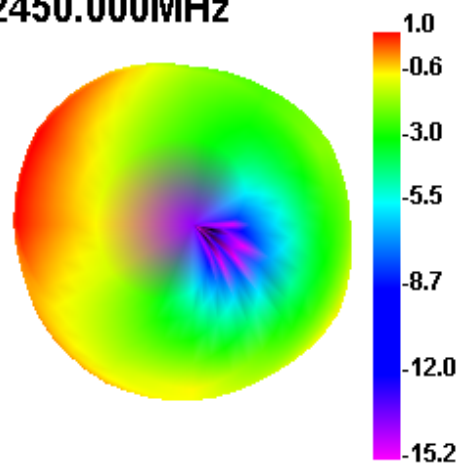
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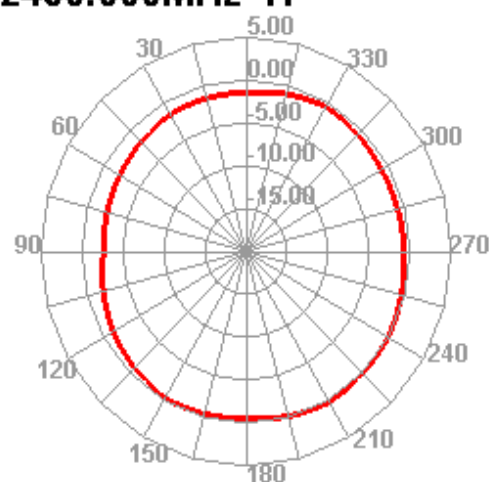
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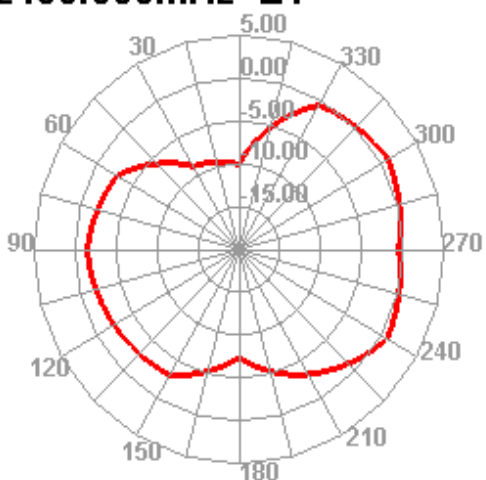
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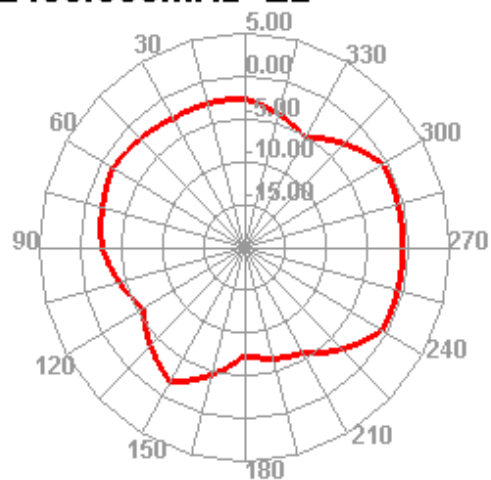
2450.000MHz H



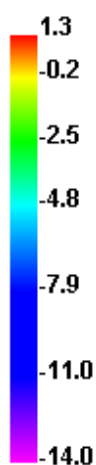
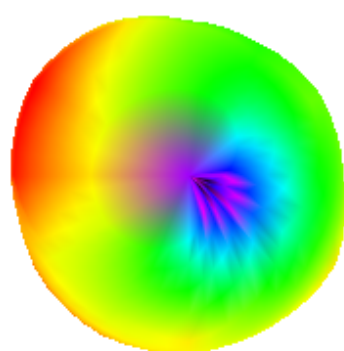
2450.000MHz E1



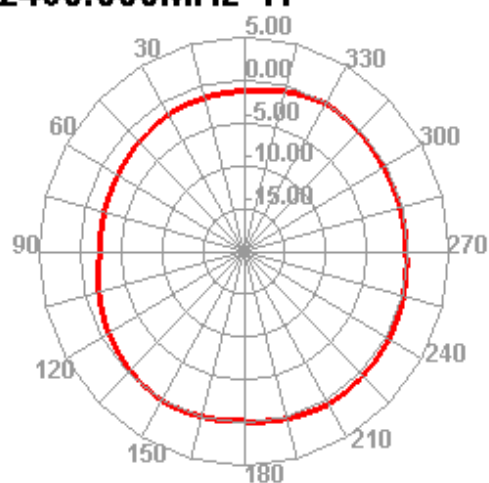
2450.000MHz E2



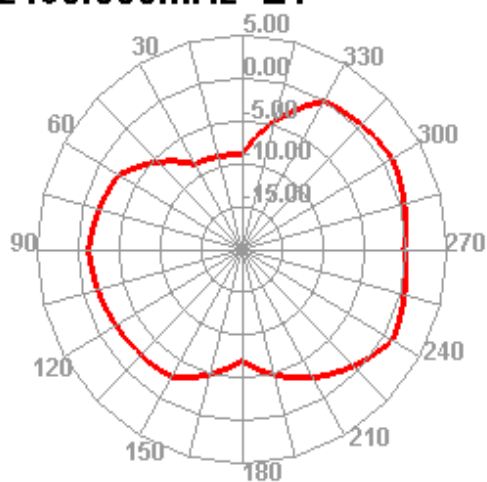
2460.000MHz



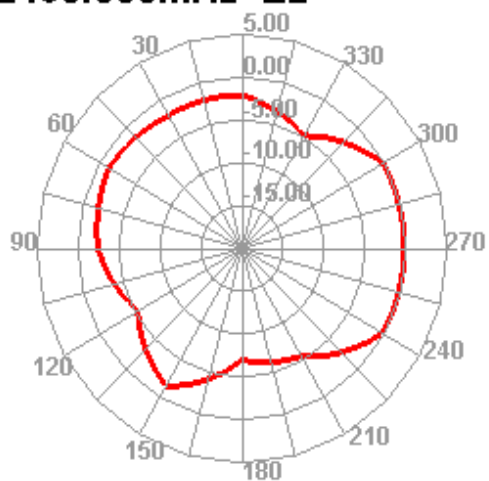
2460.000MHz H



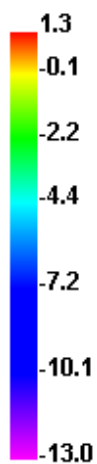
2460.000MHz E1



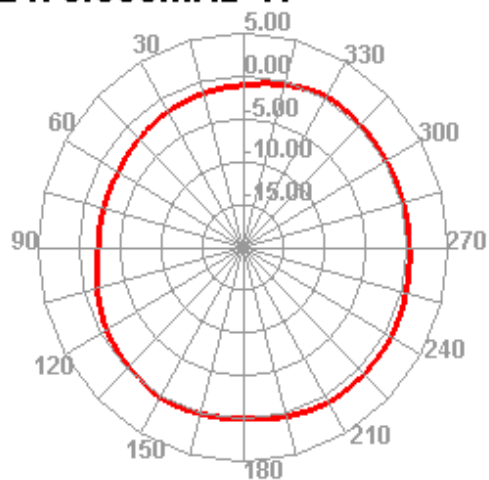
2460.000MHz E2



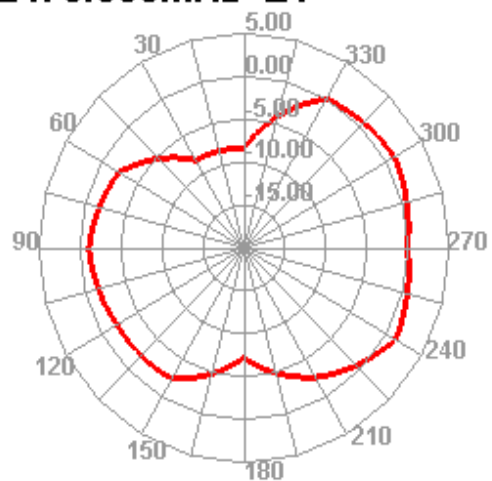
2470.000MHz



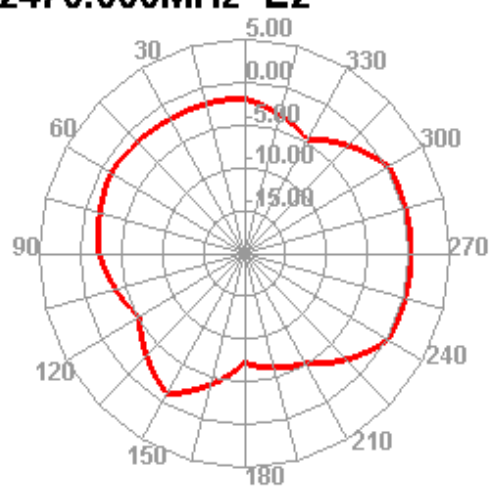
2470.000MHz H



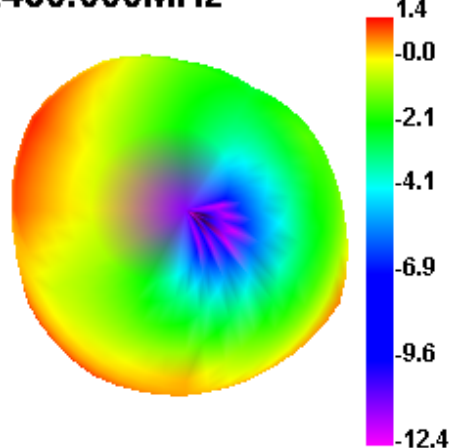
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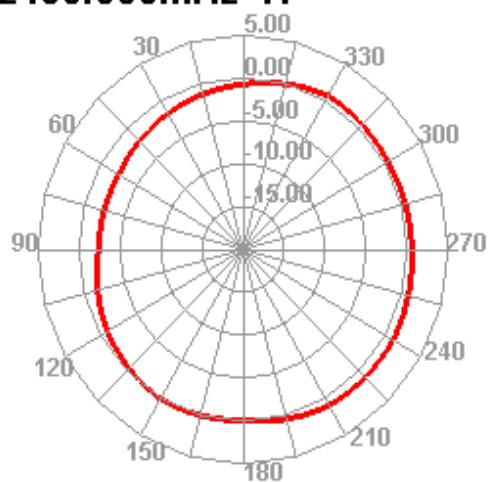
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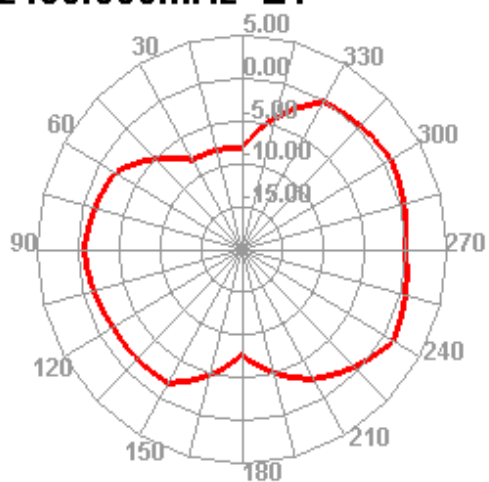
2480.000MHz



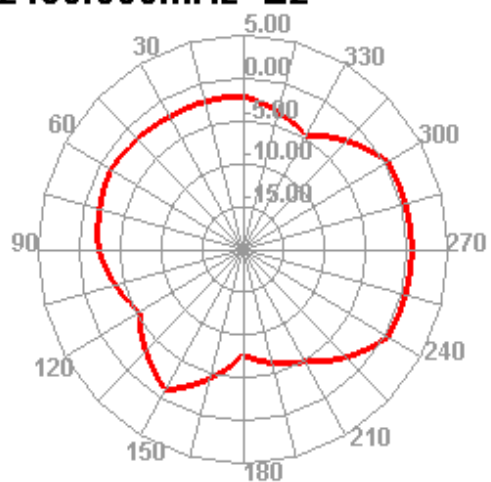
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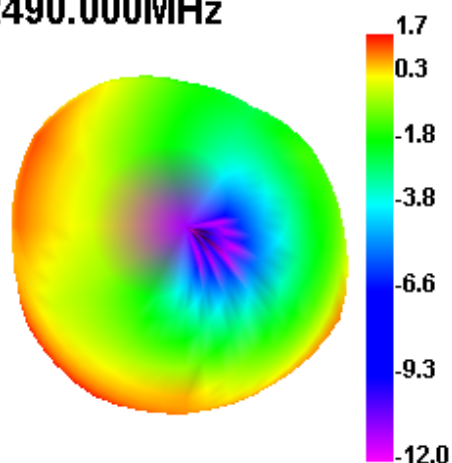
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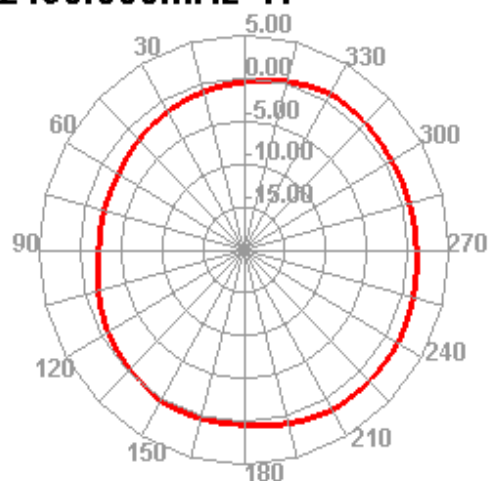
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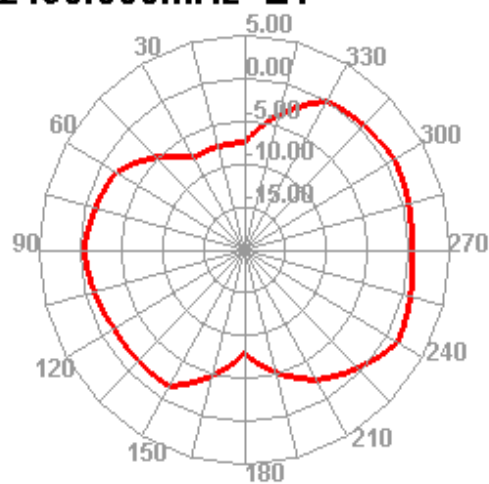
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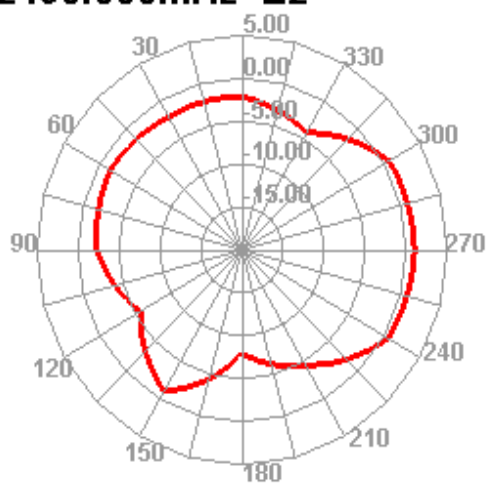
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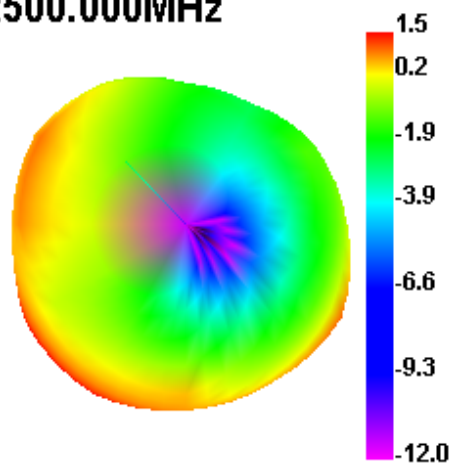
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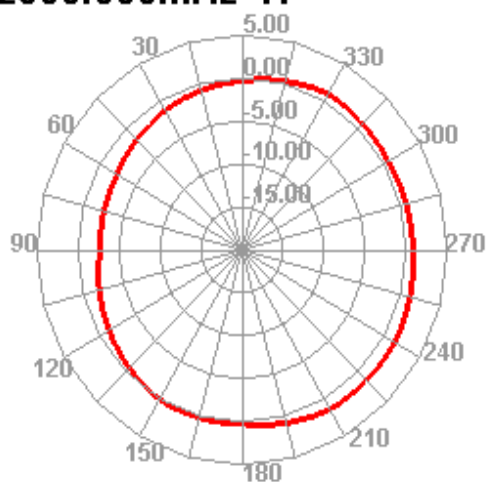
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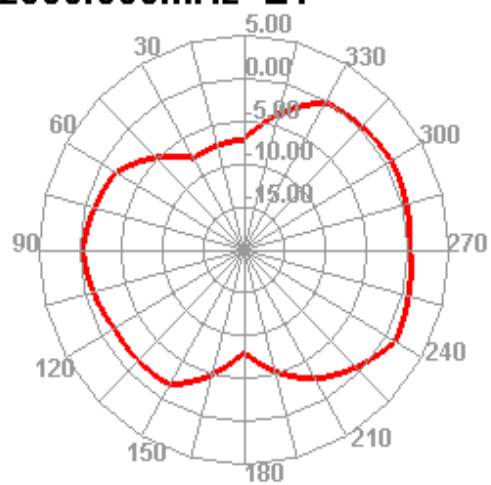
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

