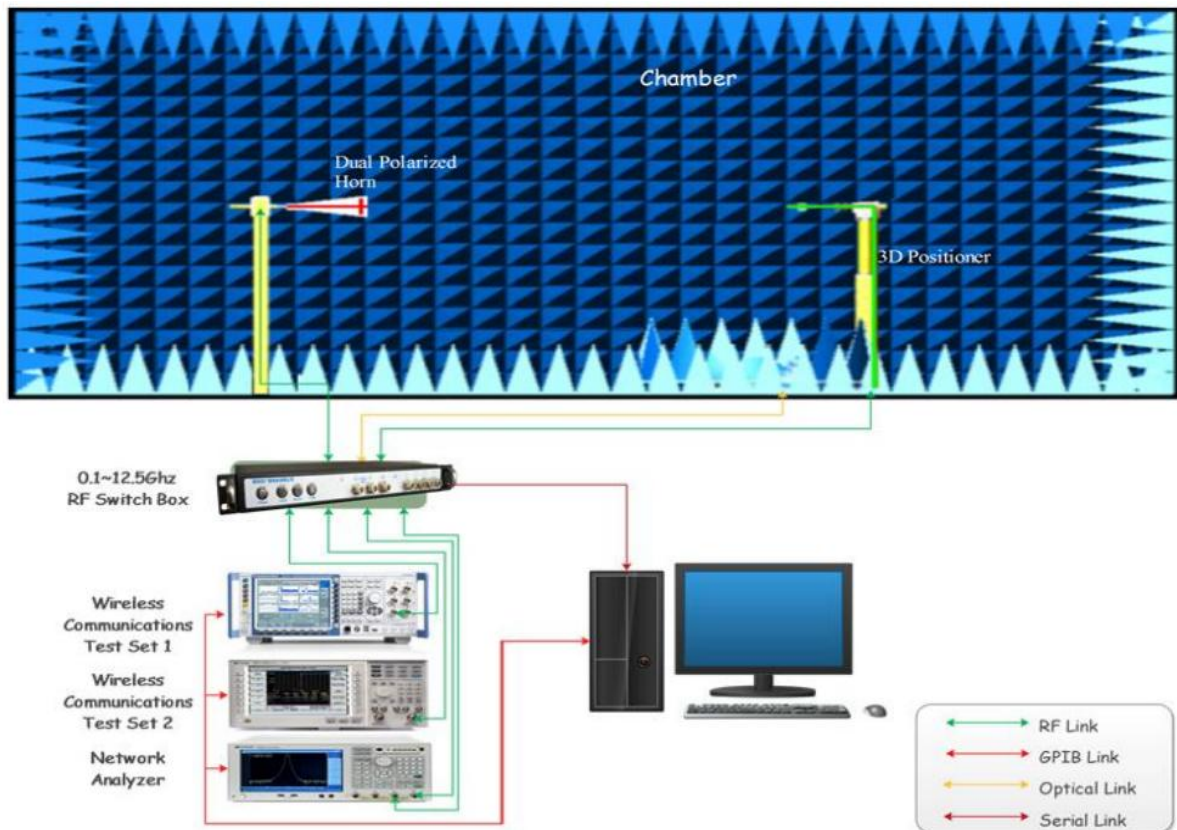


A20-E091 antennareport

Facility Test Address	Shenzhen3Good Wireless Communications CO.,LTDRoom501,Jinfulai Building,No.49-1,Dabao Road,BaoanDistrict,Shenzhen
Test Date	August15(th), 2024
Test Instrument	vector networkanalyzer-AgilentTechnologies E5071B

Iption Measurement procedure





Antenna information:

Customer	Boatof wealth
AntennaModel	FPC
Antenna Type	PIFA

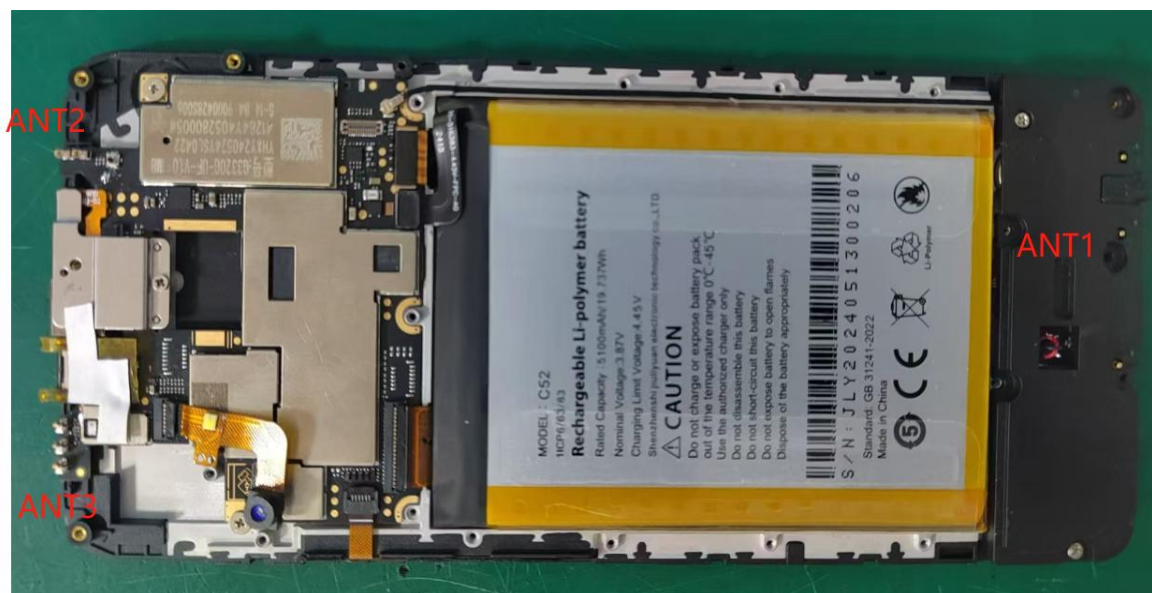
Matching circuits:

ANT1		ANT2		ANT3	
开关RF匹配		主信号匹配		主信号匹配	
位号	匹配值	位号	匹配值	位号	匹配值
C109	0欧姆	C3401	NC	C5030	NC
C110	3nH	R3405	0欧姆	R5004	0欧姆
C111	8.2nH	C3403	NC	L5001	NC
C112	3.3nH			R5125	0欧姆
				R5123	0欧姆

Passive performance figure:

Frequency(MHZ)	699~960	1710~2690	
VSWR	<3.5	<3.5	

Antenna
position
picture





ANT1-Antenna Max. Peak Gain:

Band	Gain(dBi)	Band	Gain(dBi)
GSM850	-2.69	LTE B1	-0.15
GSM900	-1.94	LTE B2	1.2
GSM1800	0.71	LTE B3	0.71
GSM1900	1.2	LTE B4	-0.72
WCDMA 1	-0.15	LTE B5	-2.69
WCDMA 2	1.2	LTE B7	-1.33
WCDMA 4	-0.72	LTE B8	-1.94
WCDMA 5	-2.69	LTE B12	-2.37
WCDMA 8	-1.94	LTE B17	-2.37
		LTE B20	-2.76
		LTE B28	-3.1
		LTE B41	-1.33

ANT2-Antenna Max. Peak Gain:

Band	Gain(dBi)	Band	Gain(dBi)
GSM850	-3.85	LTE B1	-3.73
GSM900	-3.9	LTE B2	-2.3
GSM1800	-2.3	LTE B3	-3.63
GSM1900	-3.1	LTE B4	-3.63
WCDMA 1	-3.73	LTE B5	-3.85
WCDMA 2	-3.1	LTE B7	-3.44
WCDMA 4	-3.63	LTE B8	-3.9
WCDMA 5	-3.85	LTE B12	-7.56
WCDMA 8	-3.9	LTE B17	-7.56
		LTE B20	-5.78
		LTE B28	-6.65
		LTE B41	-2.39

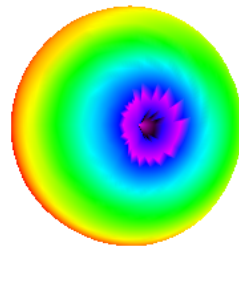
ANT3-Antenna Max. Peak Gain:

Band	Gain(dBi)
GPS	2.65
2.4G WIFI	2.43
5G WIFI	-0.02
BT	2.43

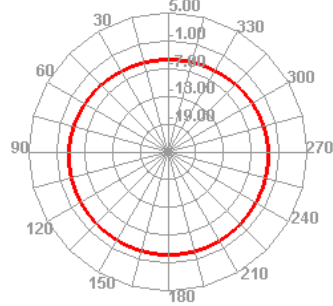
3-DPattenPlots

ANT1:

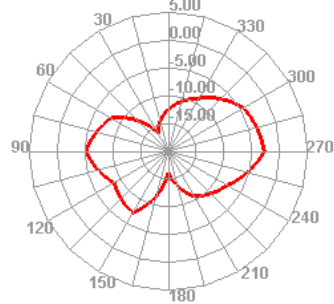
700.000MHz



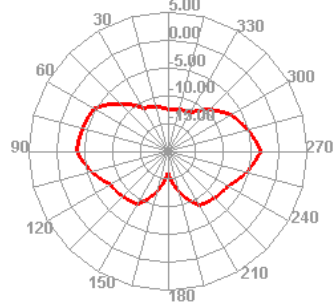
700.000MHz H



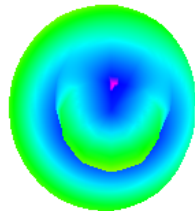
700.000MHz E1



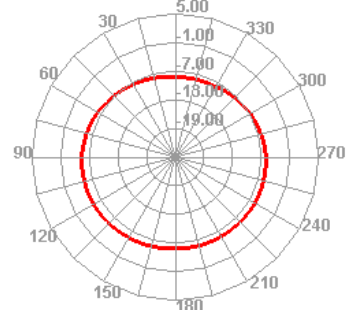
700.000MHz E2



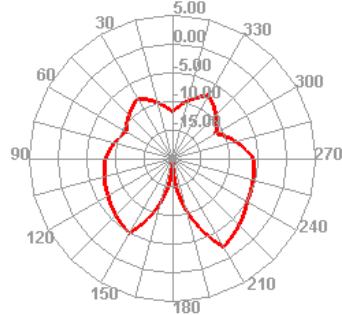
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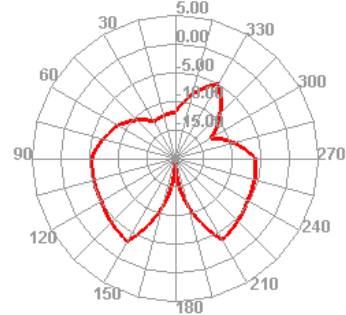
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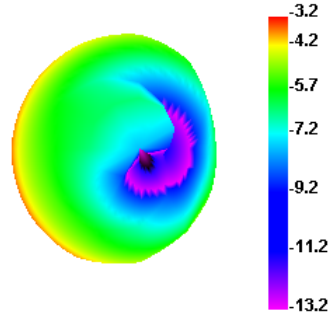
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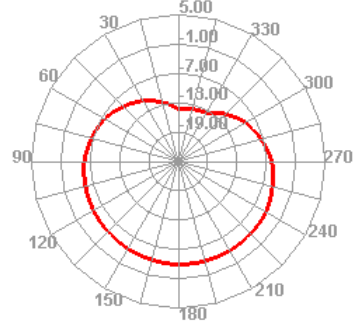
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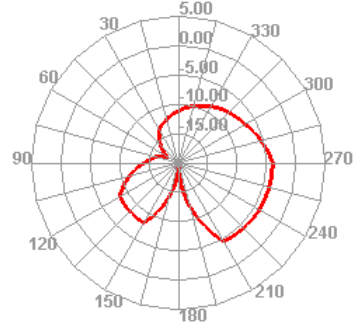
960.000MHz



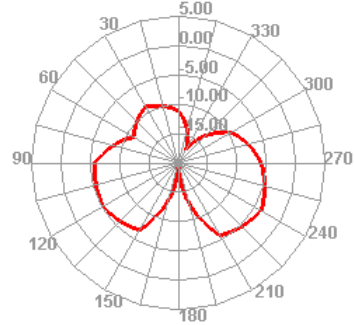
960.000MHz H



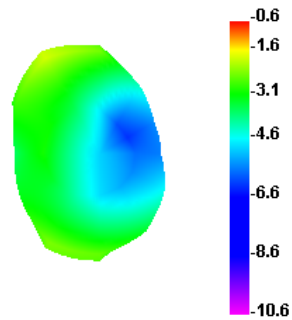
960.000MHz E1



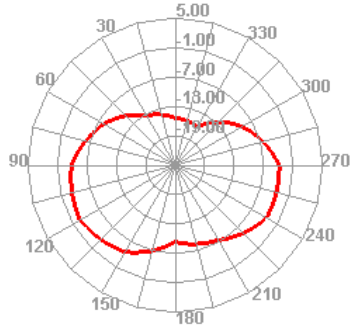
960.000MHz E2



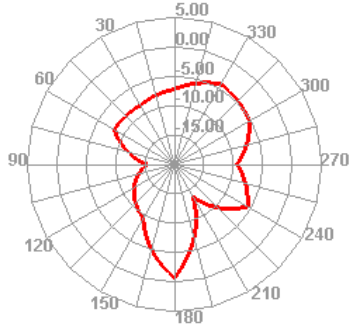
1710.000MHz



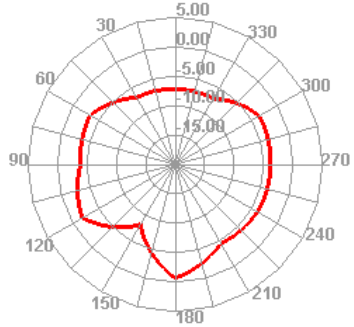
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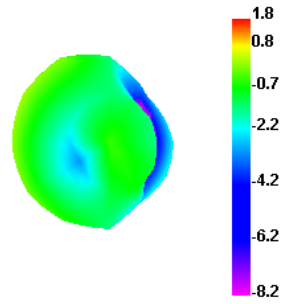
1710.000MHz E1



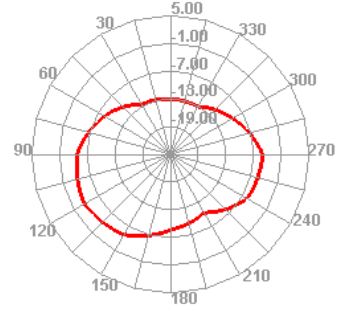
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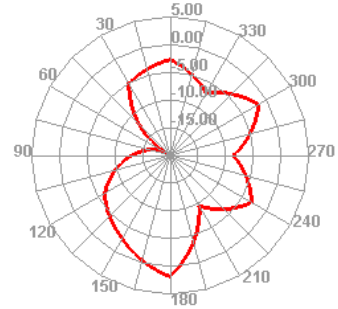
1880.000MHz



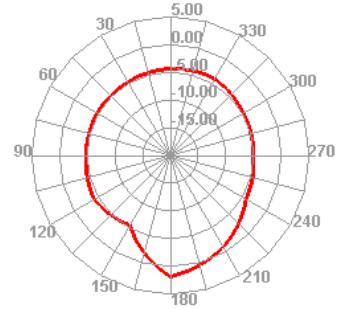
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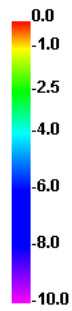
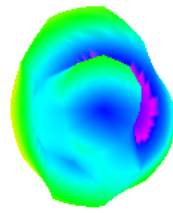
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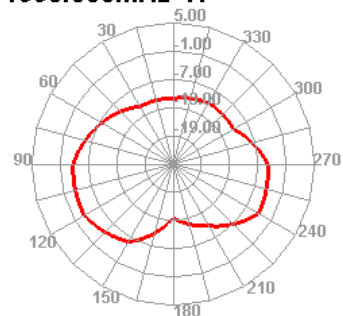
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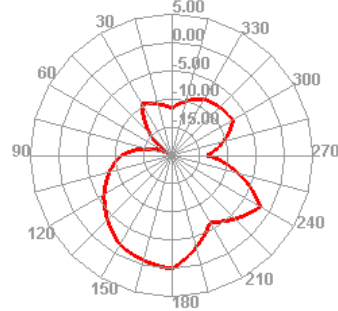
1990.000MHz



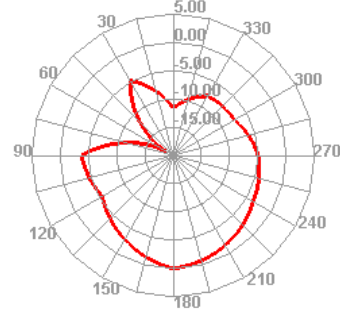
1990.000MHz H



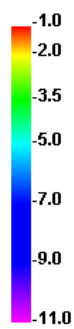
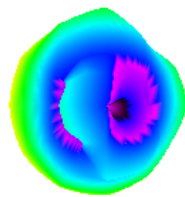
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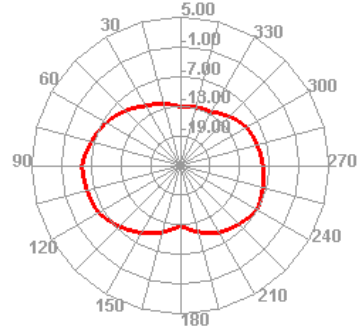
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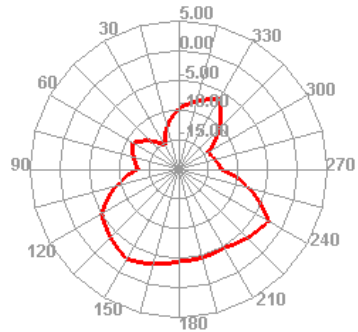
2170.000MHz



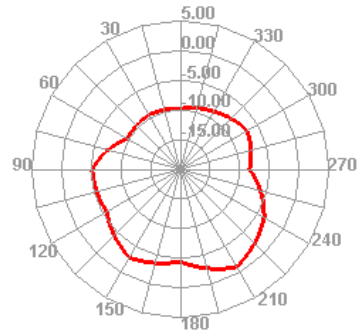
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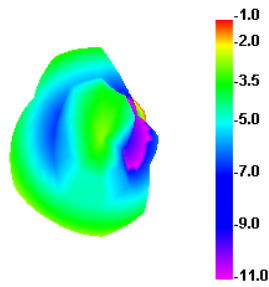
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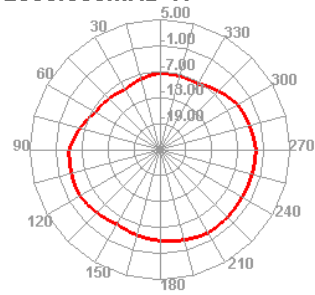
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2500.000MHz



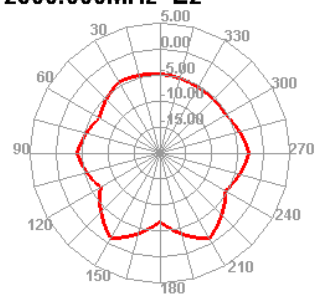
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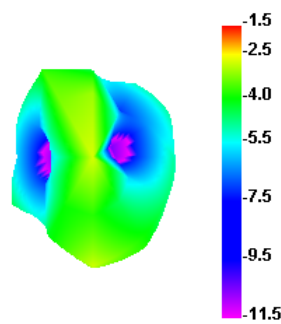
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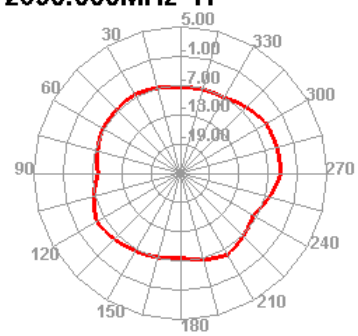
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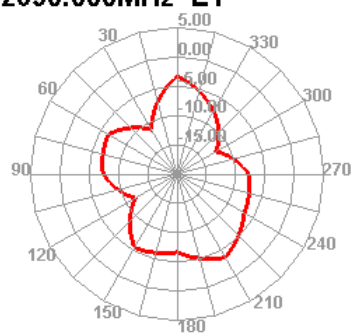
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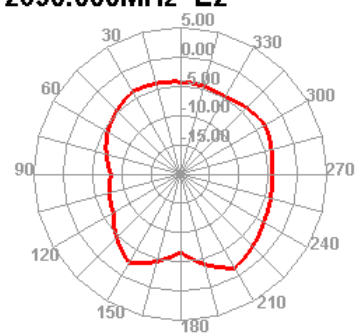
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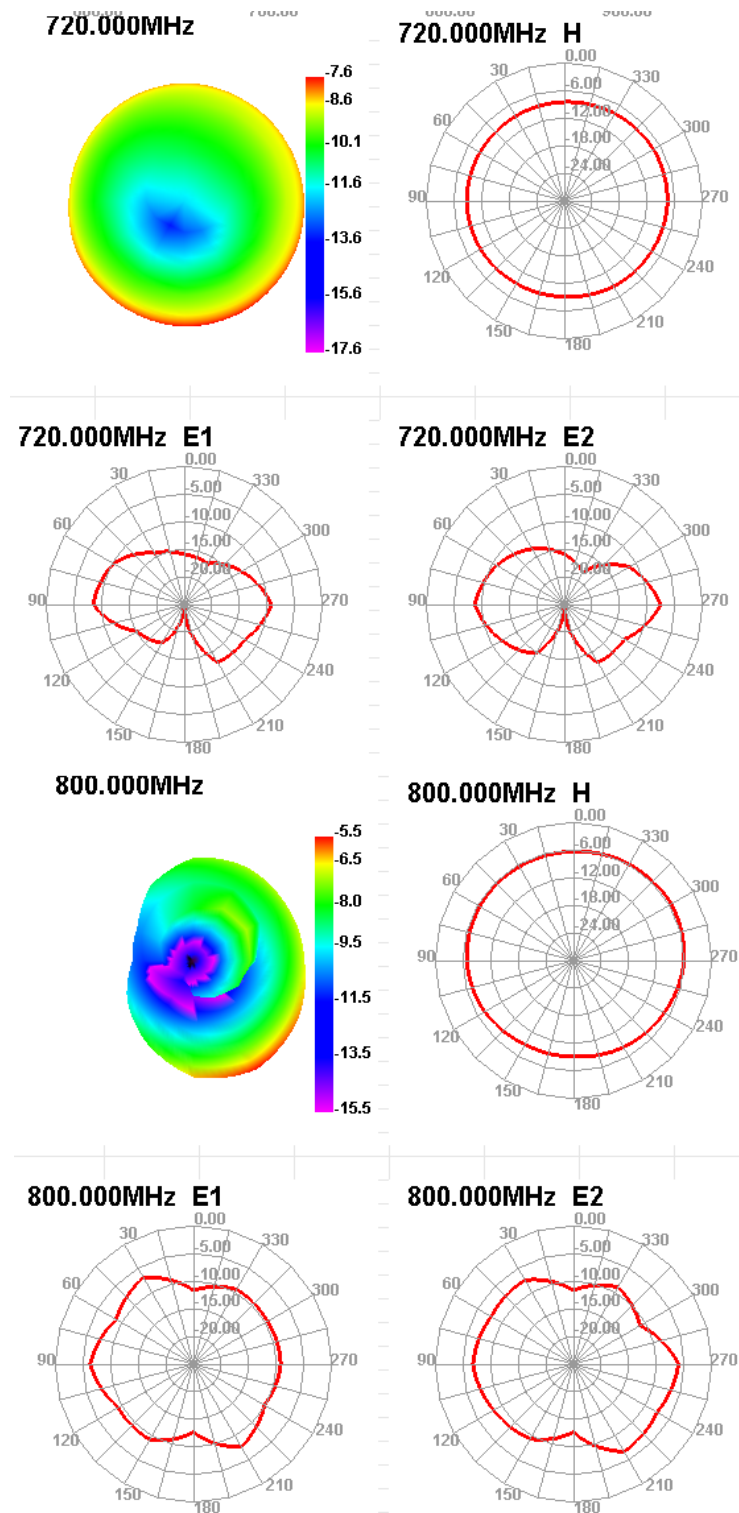
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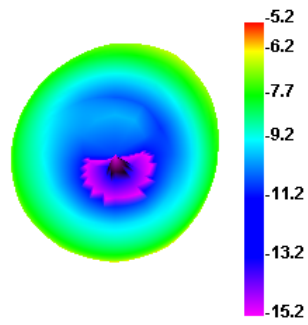
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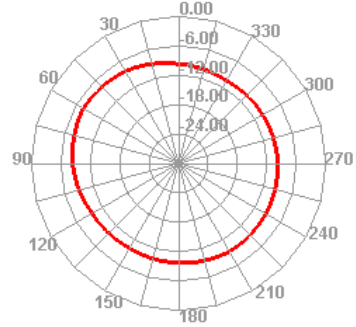
ANT2:



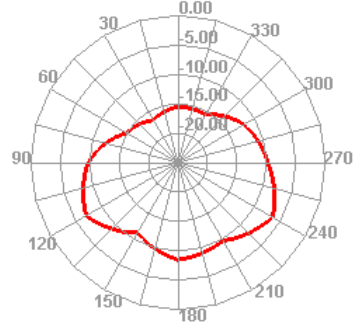
960.000MHz



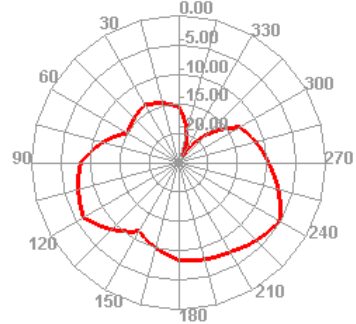
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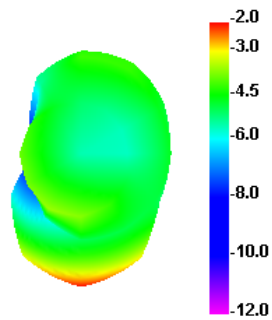
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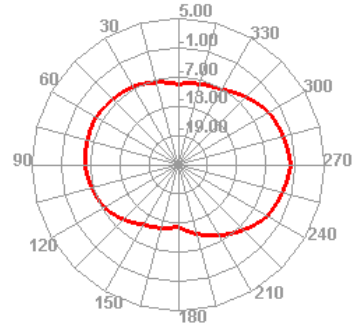
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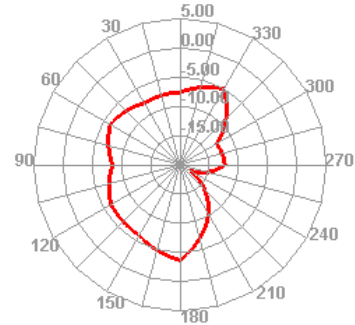
1710.000MHz



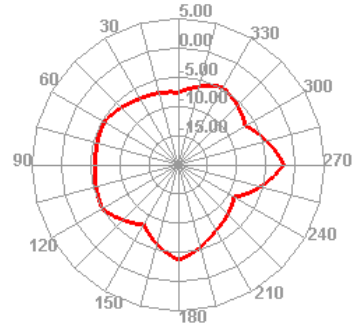
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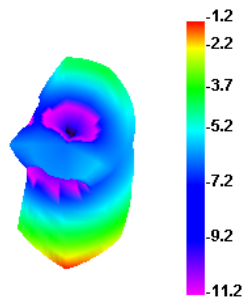
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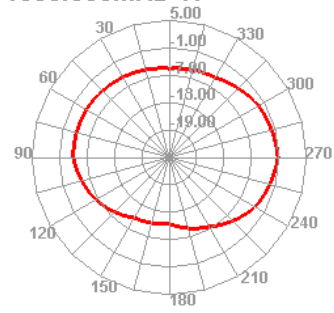
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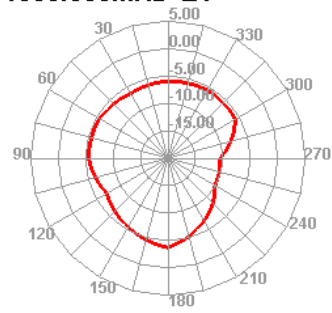
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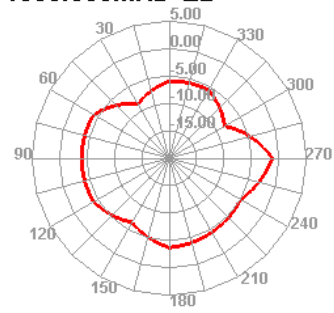
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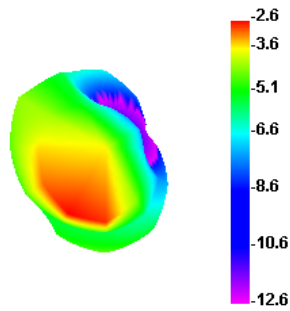
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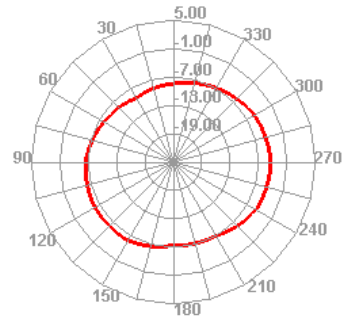
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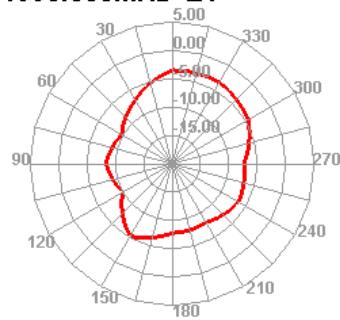
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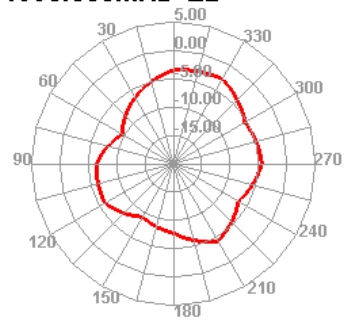
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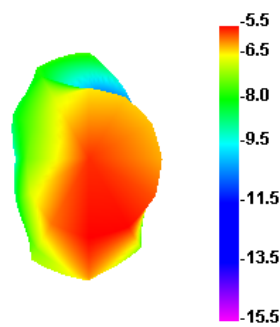
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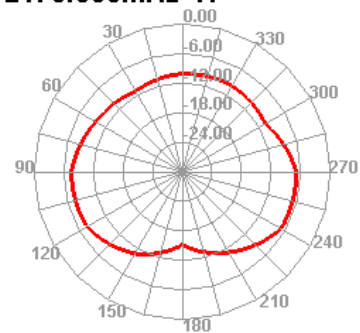
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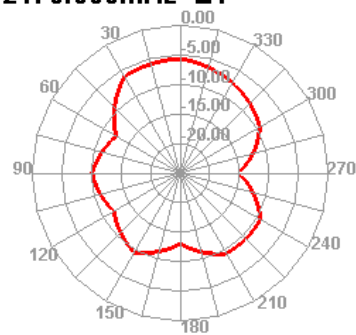
2170.000MHz



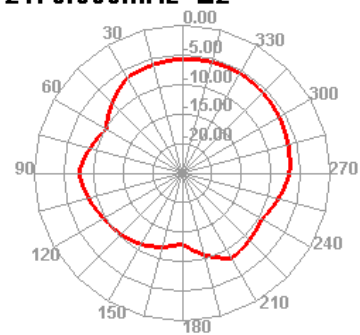
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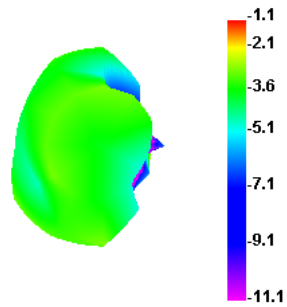
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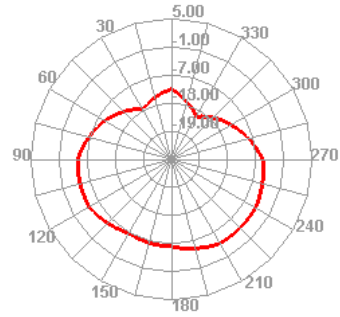
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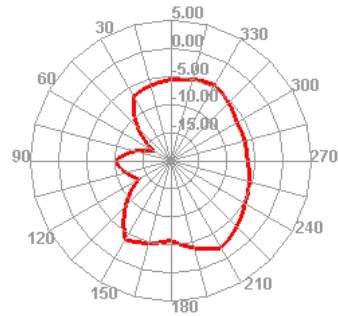
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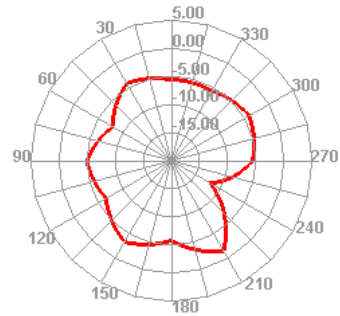
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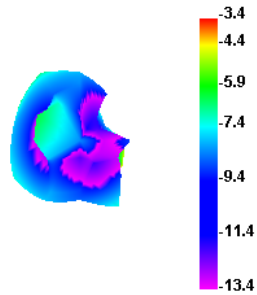
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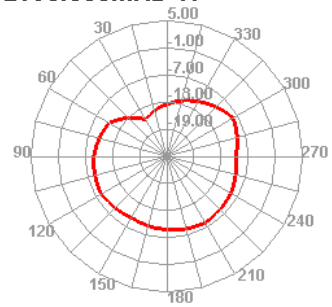
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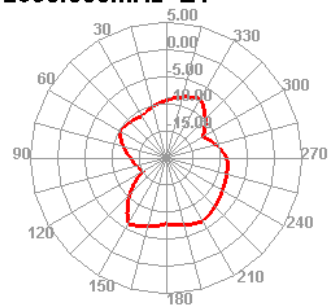
2690.000MHz



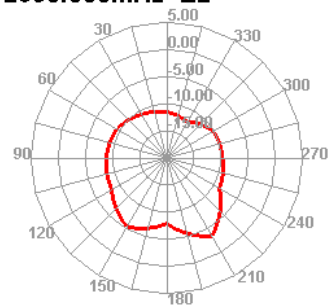
2690.000MHz H



2690.000MHz E1

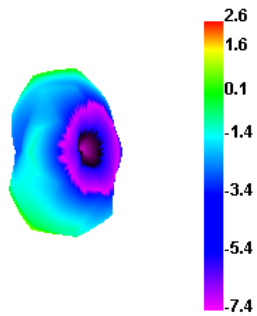


2690.000MHz E2

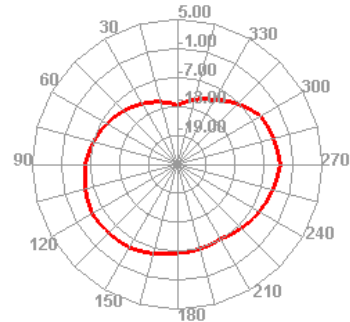


ANT3:

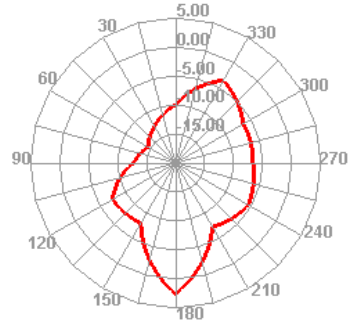
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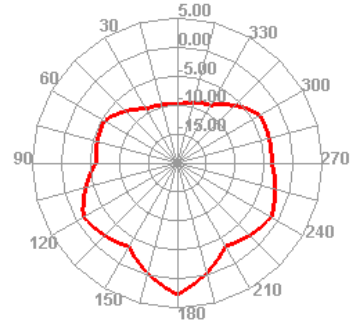
1575.000MHz H



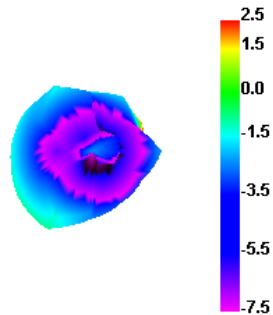
1575.000MHz E1



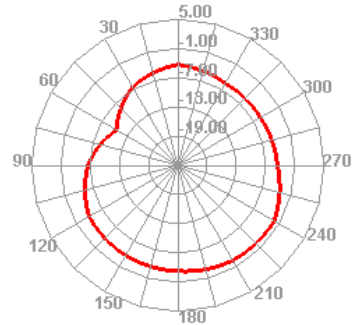
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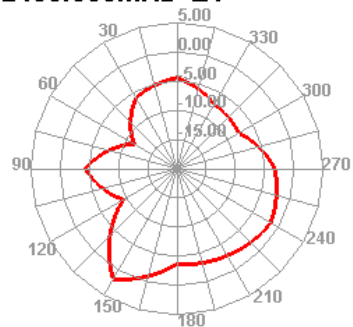
2400.000MHz



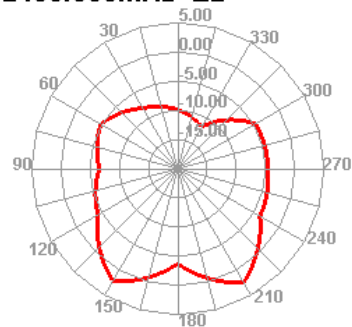
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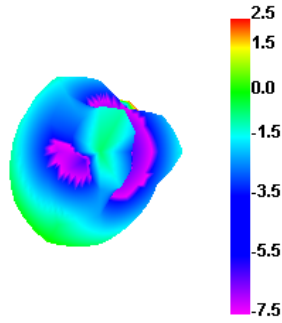
2400.000MHz E1



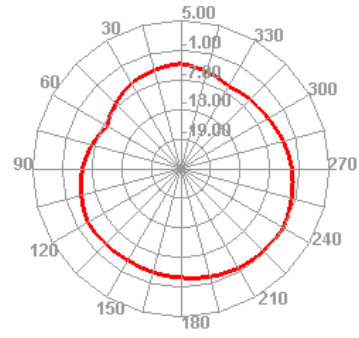
2400.000MHz E2



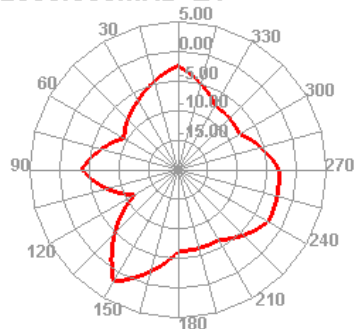
2500.000MHz



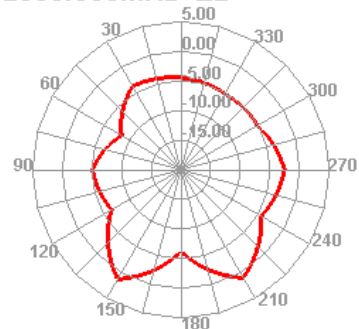
2500.000MHz H



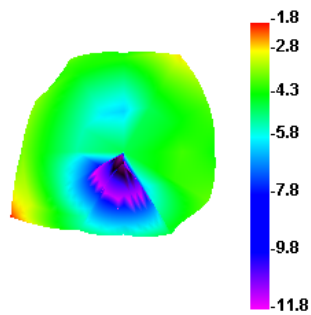
2500.000MHz E1



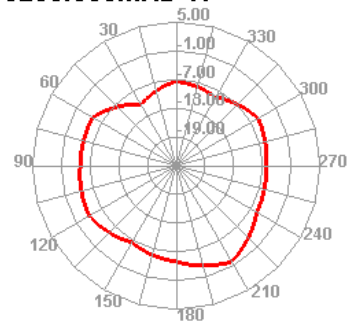
2500.000MHz E2



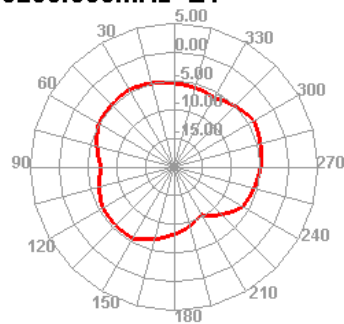
5200.000MHz



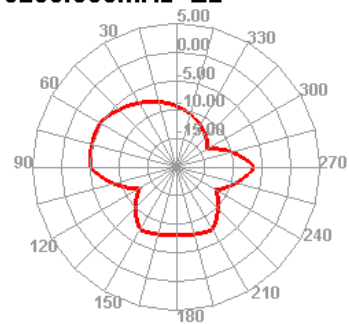
5200.000MHz H



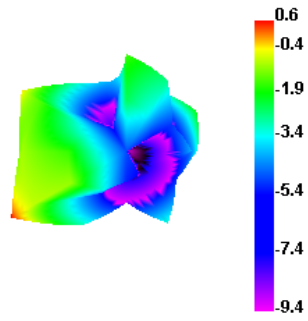
5200.000MHz E1



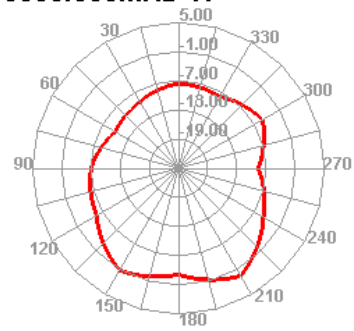
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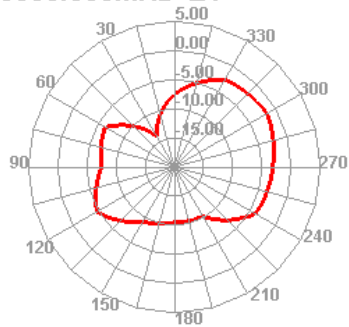
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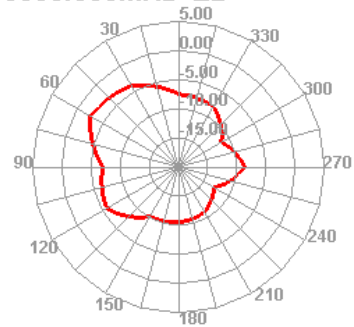
5500.000MHz H



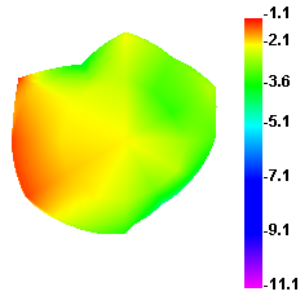
5500.000MHz E1



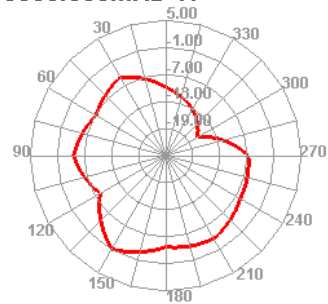
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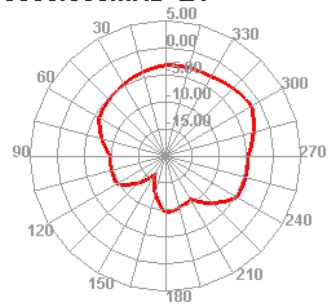
5800.000MHz



5800.000MHz H



5800.000MHz E1



5800.000MHz E2

