

Shenzhen Xuhang Communication Technology Co., Ltd

client	Biamp Systems, LLC
Supplier Name	WIFI Antenna
Specification Name	XH220010 (L=160mm)

Customer confirmation

Checkout	Audit	Ratify

Supplier confirmation

Design	Rf	Audit	Ratify

Date: 2022.06.22

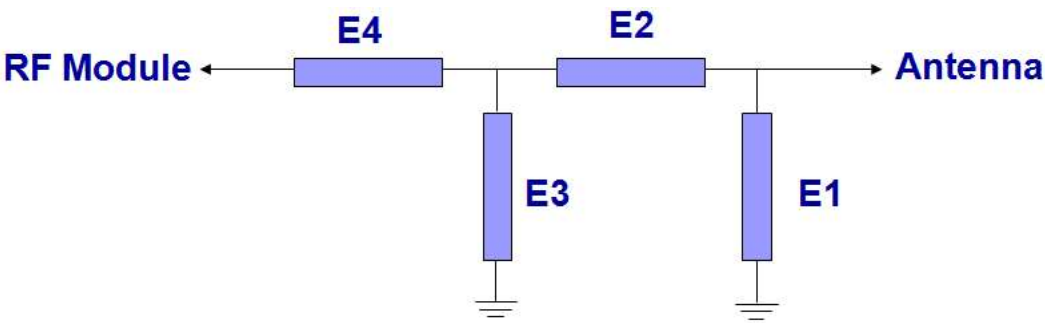
Catalogue

[illegible]

TEST REPORTS

Frequency	WIFI(2400~2500MHz; 5150~5850 MHz)
Impedance	50 Ohm Nominal
V.S.W.R	≤ 2.0
Return Loss	-10dB Max
Radiation	Omni-directional
Gain(Peak)	2dBi
Polarization	Linear,Vertical
Admitted Power	1W
Connector	I-PEX I
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm
Operating Temp.	-10-+60℃
Storage Temp.	-10-+70℃
Cable Color	Black

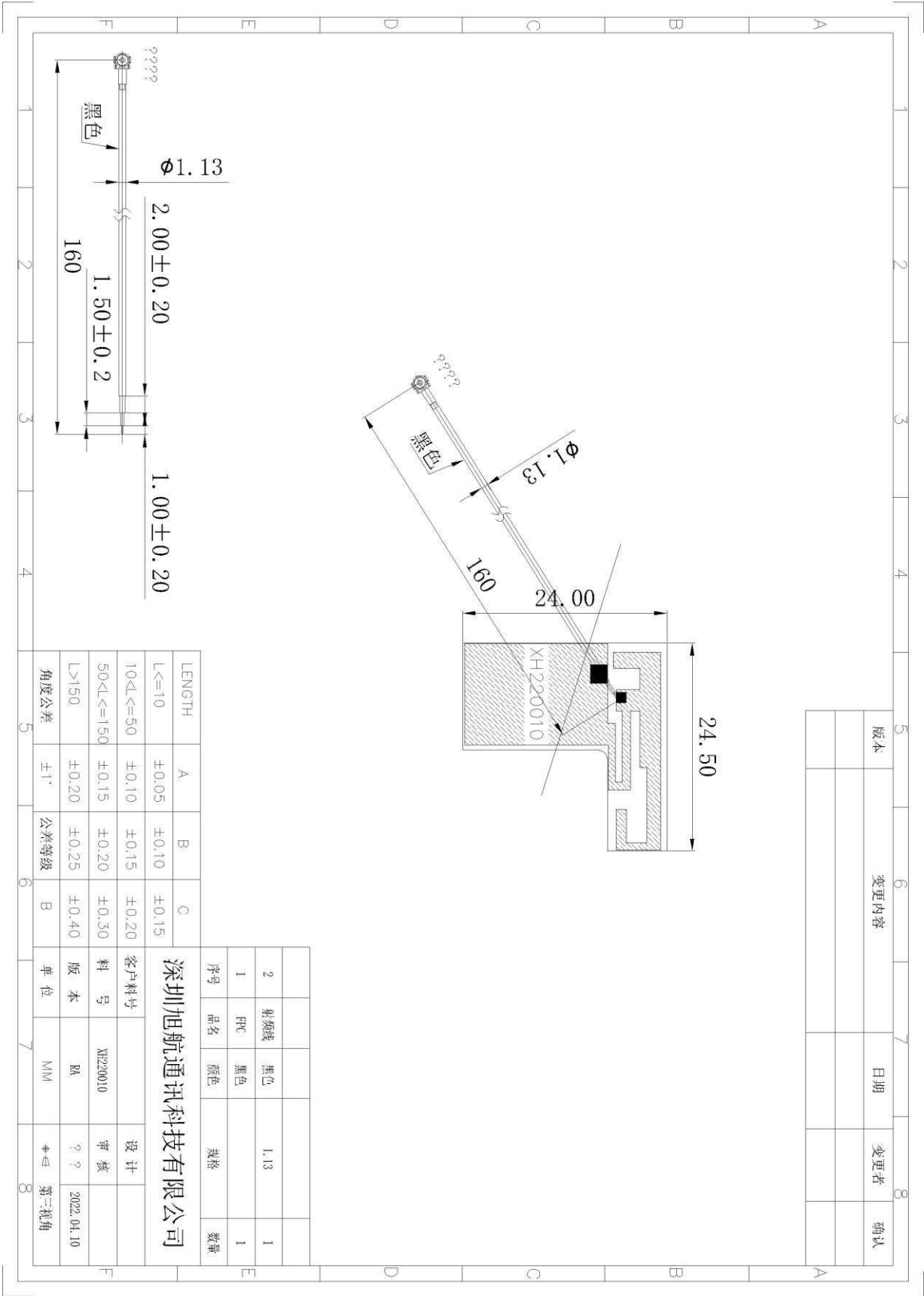
Matching Circuits



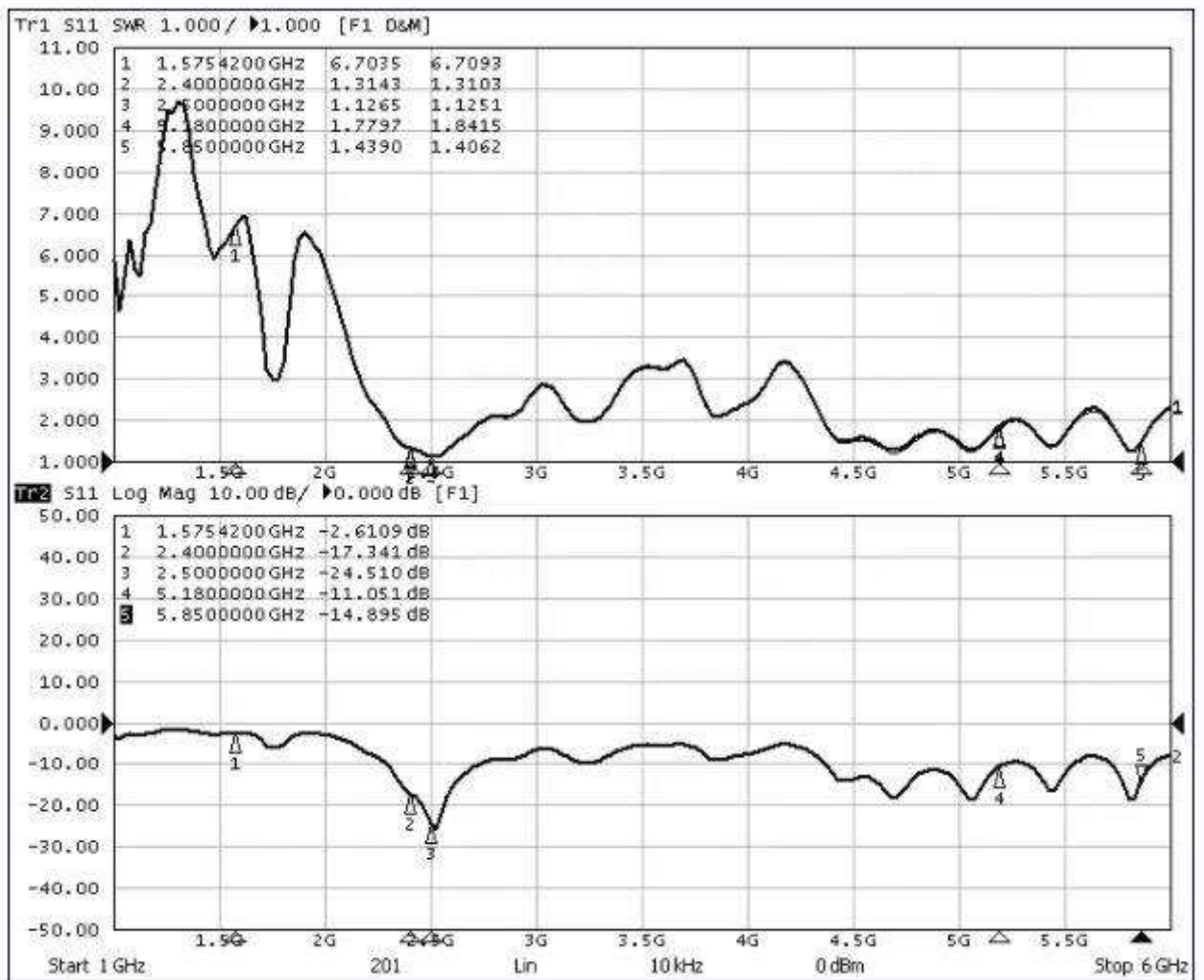
匹配电路

Element	Value	Vender
E1(0402)		
E2(0402)	0Ω	
E3(0402)		
E4(0402)	0Ω	

Engineering drawing



Passivedata



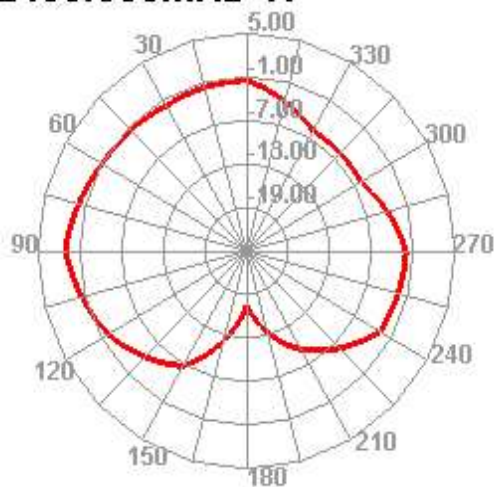
Assembly position



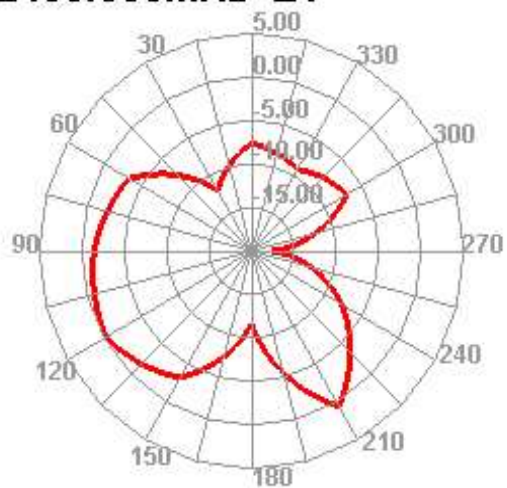
Freq (MHz)	Effi (%)	Gain (dBi)
2400	56.81	1.79
2410	58.24	1.99
2420	58.16	1.97
2430	55.75	1.82
2440	54.03	1.6
2450	52.02	1.26
2460	53.47	1.33
2470	50.63	0.91
2480	50.76	0.8
2490	53.13	1
2500	51.66	0.2

Freq (MHz)	Effi (%)	Gain (dBi)
5150	51.61	1.4
5200	52.4	1.3
5250	50.29	1.35
5300	58.52	1.21
5350	69.78	1.85
5400	63.43	1.44
5450	60.58	1.92
5500	61.68	1.75
5550	65.4	1.21
5600	59.72	2.00
5650	56.29	1.48
5700	59.99	1.61
5750	61.74	1.78
5800	59.51	1.27
5850	60.57	1.65

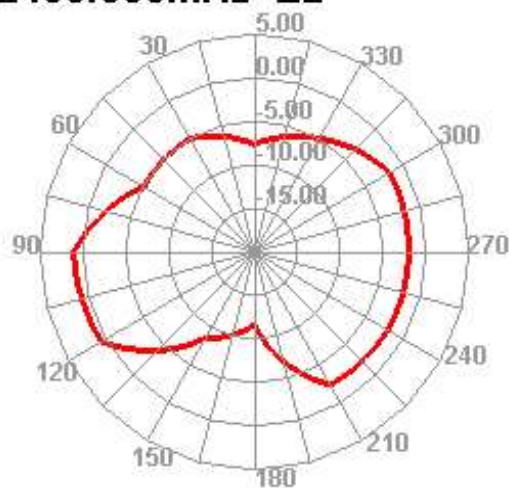
2400.000MHz H



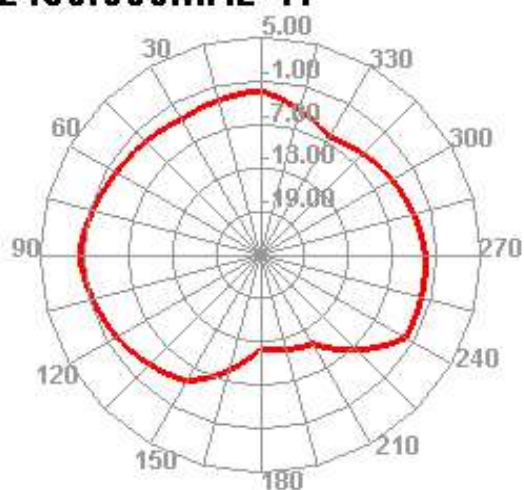
2400.000MHz E1



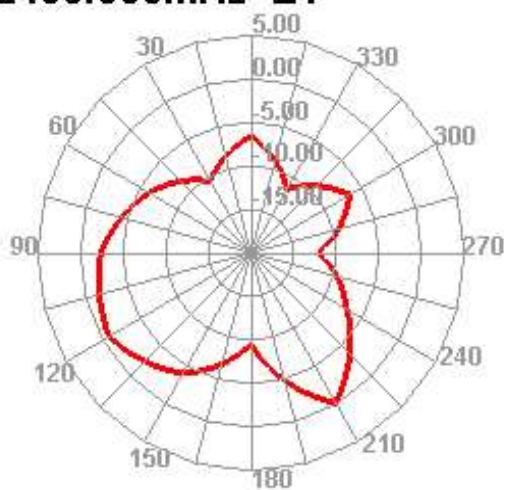
2400.000MHz E2



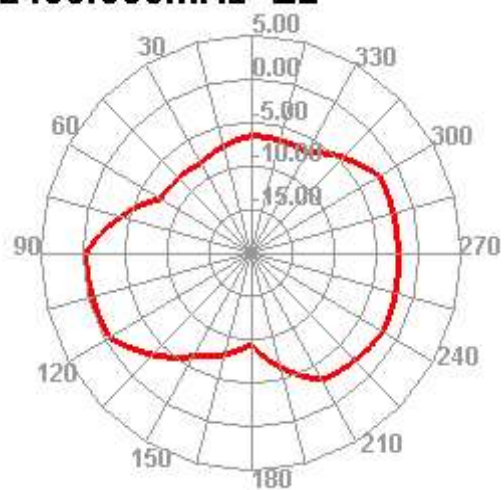
2450.000MHz H



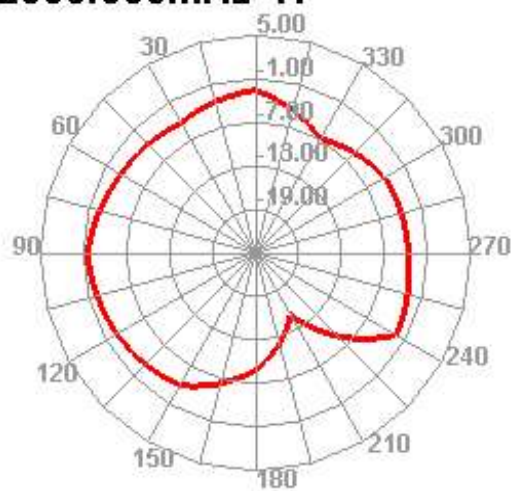
2450.000MHz E1



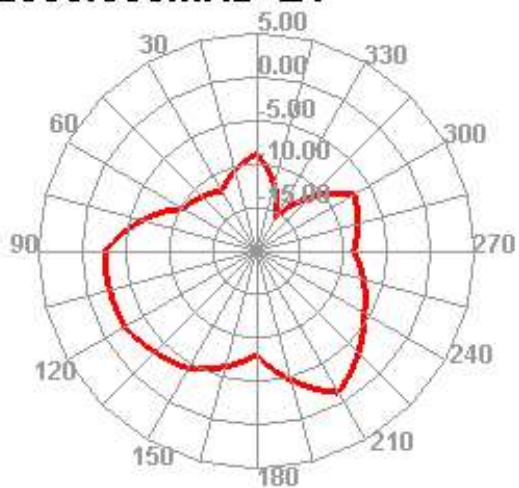
2450.000MHz E2



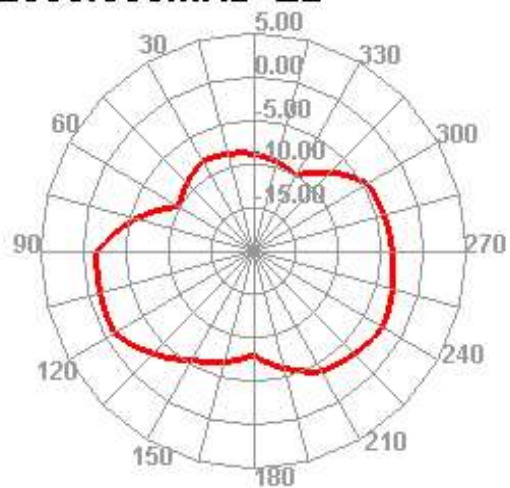
2500.000MHz H



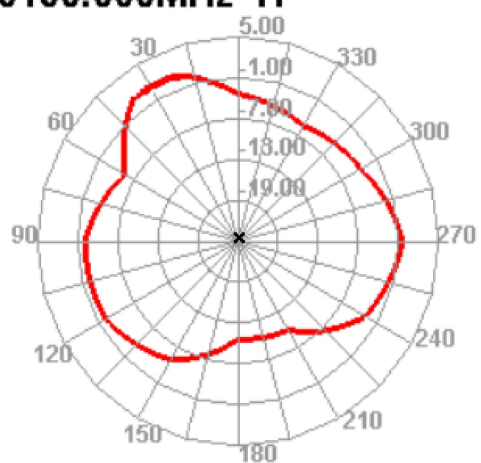
2500.000MHz E1



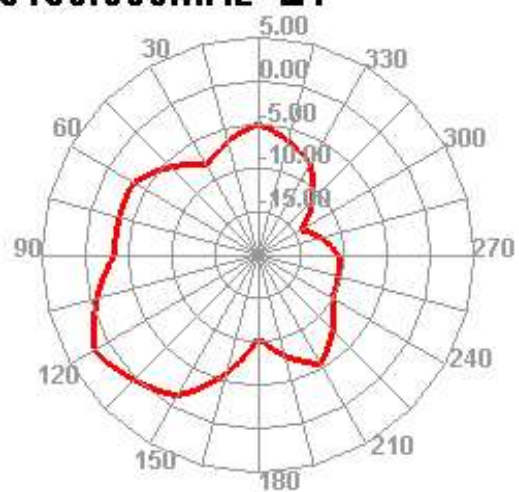
2500.000MHz E2



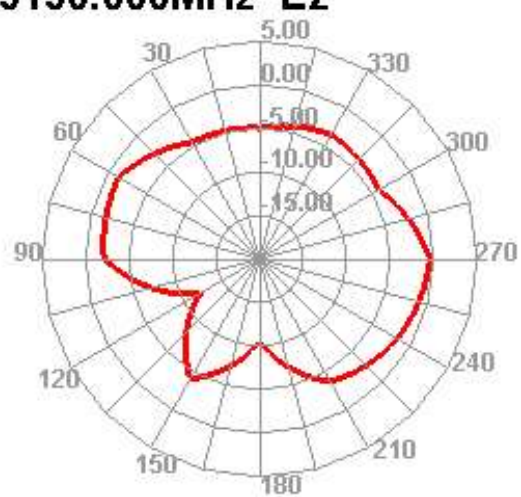
5150.000MHz H



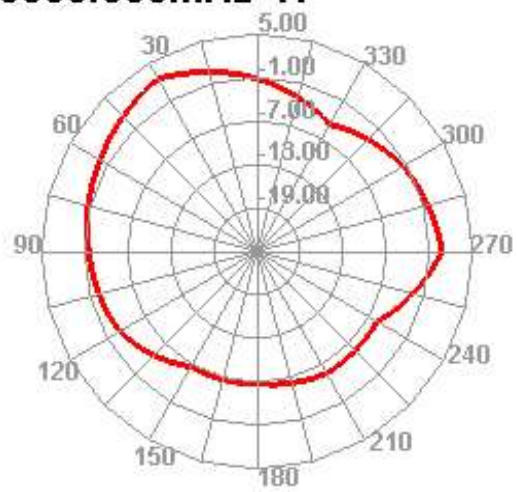
5150.000MHz E1



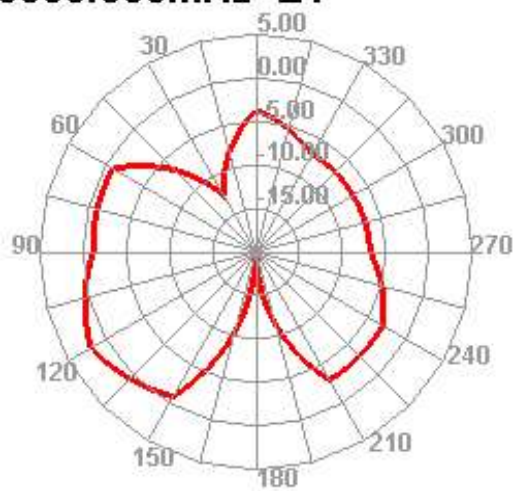
5150.000MHz E2



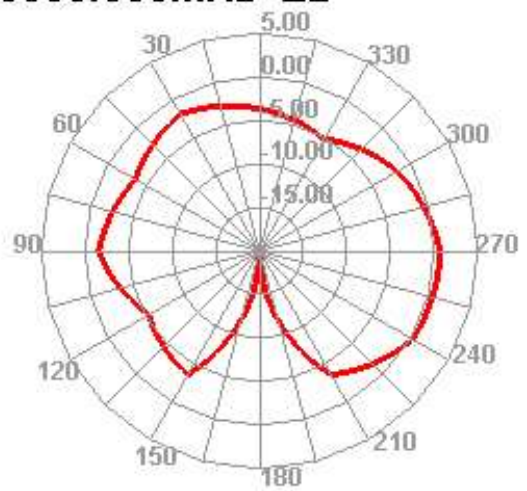
5500.000MHz H



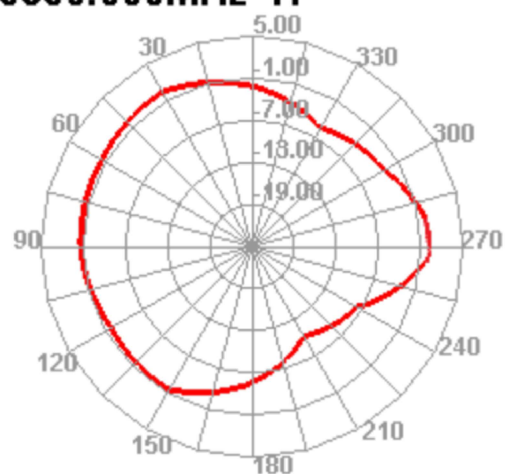
5500.000MHz E1



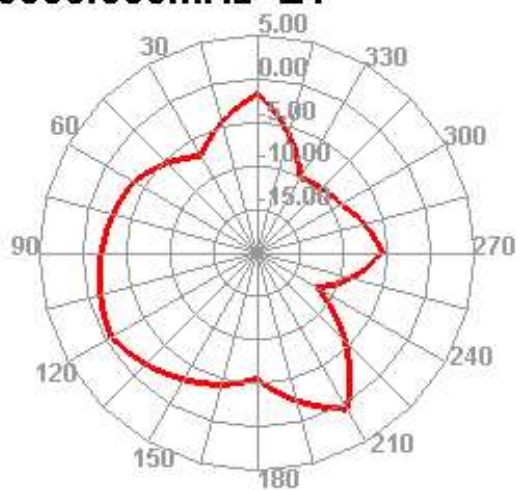
5500.000MHz E2



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

