



DM13 antenna specification

Description	
Project Name	DM13
Operation Band	Bluetooth
Frequency	2400MHz-2500MHz
Gain	1.75dBi
Antenna Type	FPC
Testing Equipment	
VNA	
Chamber	
Time	2024-6-24

1 Antenna patern



2 Passive data

2.1 S11

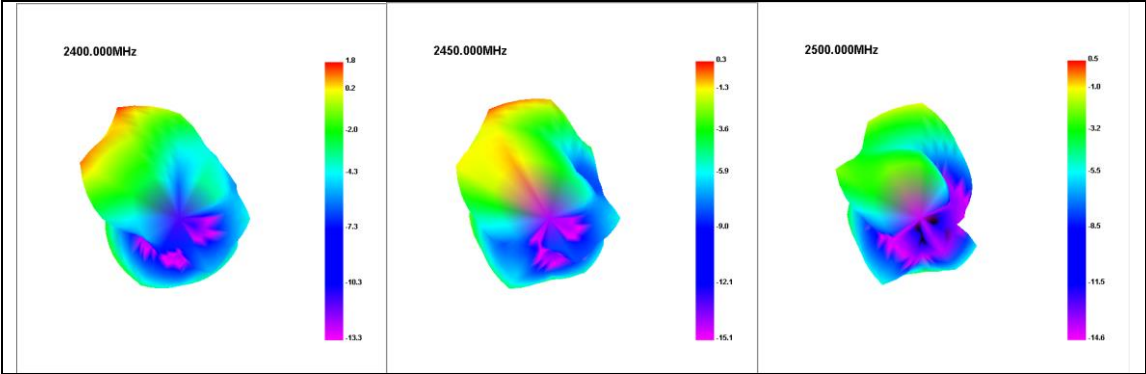
Fre(MHz)	2400	2450	2500
Result(dB)	-11	-13	-10

2.2 Efficiency & Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	42.73	-3.69	1.75
2410	38.54	-4.14	1.17
2420	36.91	-4.33	0.83
2430	35.25	-4.53	0.5
2440	35.16	-4.54	0.32
2450	34.1	-4.67	0.28
2460	31.06	-5.08	0.04
2470	28.46	-5.46	-0.11
2480	28.47	-5.46	0.14
2490	28.99	-5.38	0.42
2500	28.89	-5.39	0.53

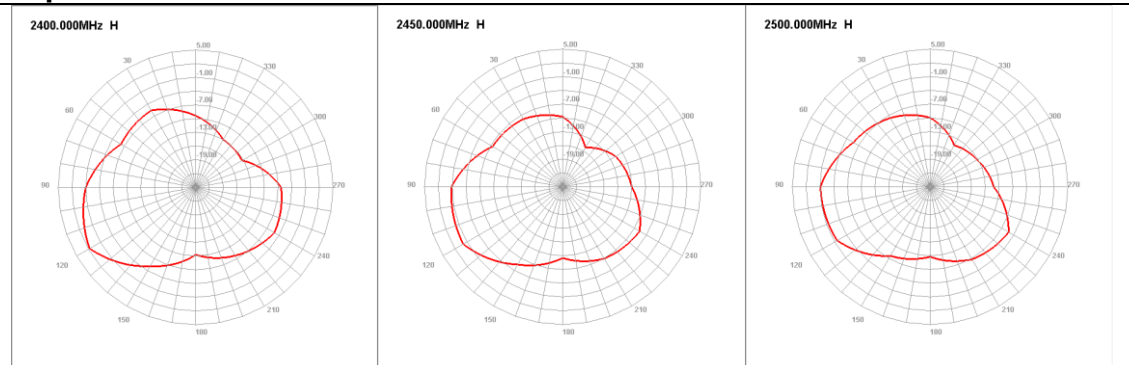
2.3 Radiation Pattern

3D pattern

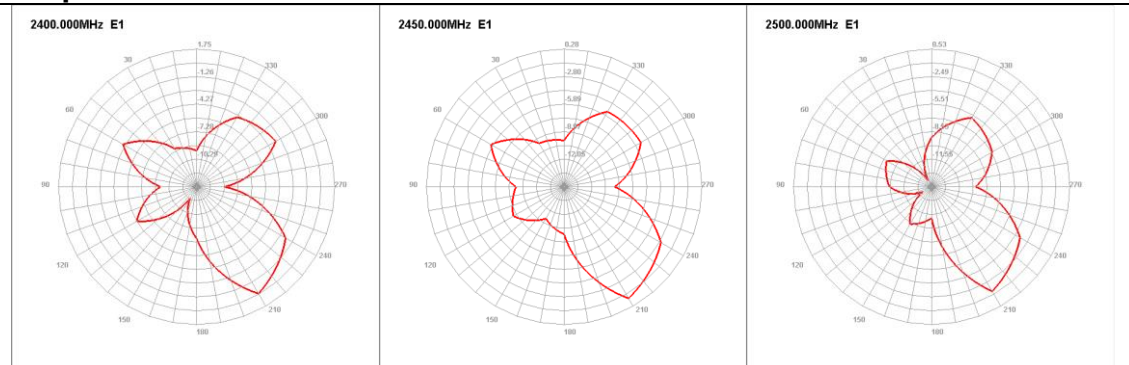




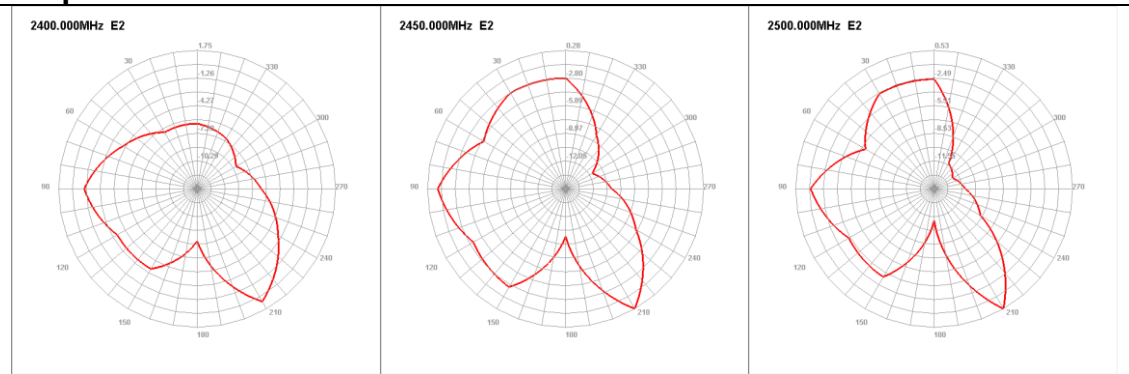
H-plan



E1-plane



E2-plane



3 manufacturer

Manufacturer: Shenzhen TopFast Electronics Co.,LTD

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