

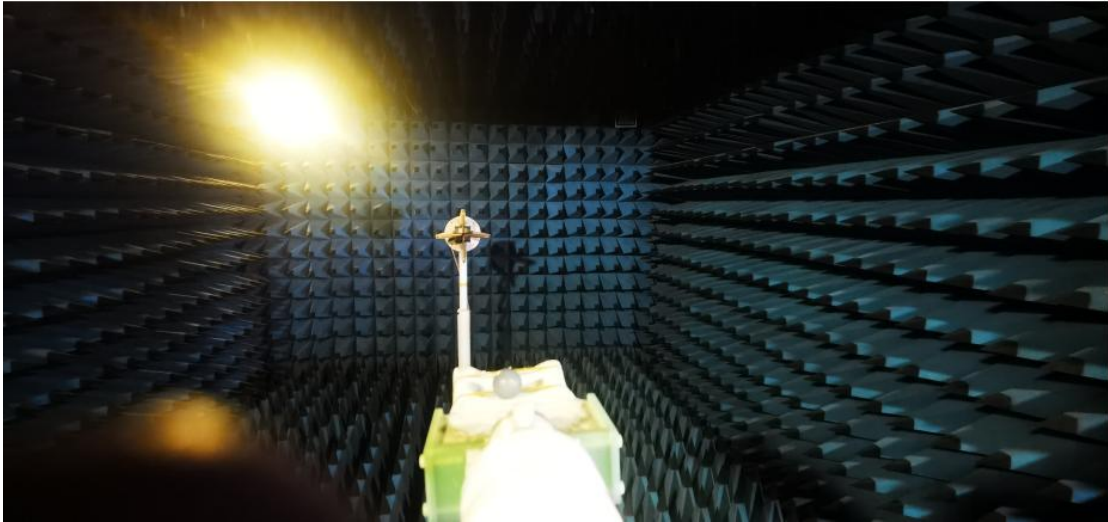
Specification 规格书

Product Name	FT505
--------------	-------

Summary

ITEM	SPEC.
Model Name	BT 2.4 GHz
MAX. GAIN	-0.31dBi
Polarization	Horizontal
Impedance	50 Ω
Antenna Type	PCB antenna
Manufacturer	
Manufacturer Address	

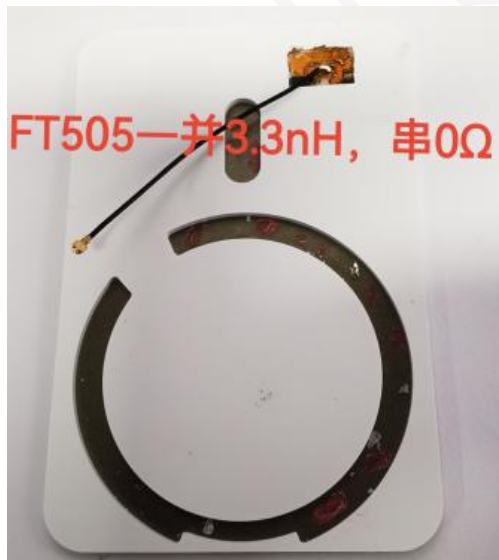
Laboratory Testing Environment and Equipment





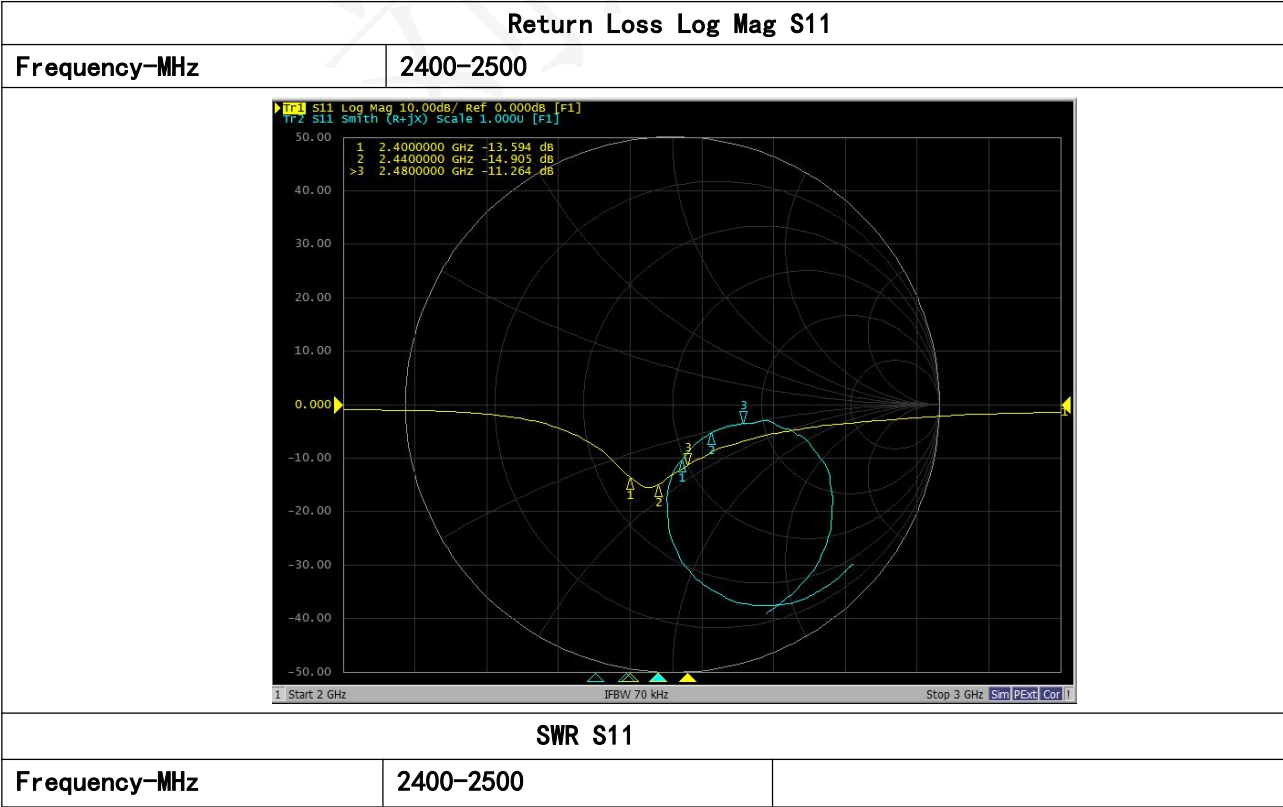
Test Items	Test Equipment
S11、S12、VSWR、LOSS	Network Analyzer E5071B、E5071C、E5062A
Efficiency、Gain、3DRadiation Pattern	Satimo SG16 Anechoic Chamber、GP7*4*3 Anechoic Chamber、E5071B
TRP、TIS	Satimo SG16 Anechoic Chamber、GP7*4*3 Anechoic Chamber、8960、CMW500、MT8820C、E4438C

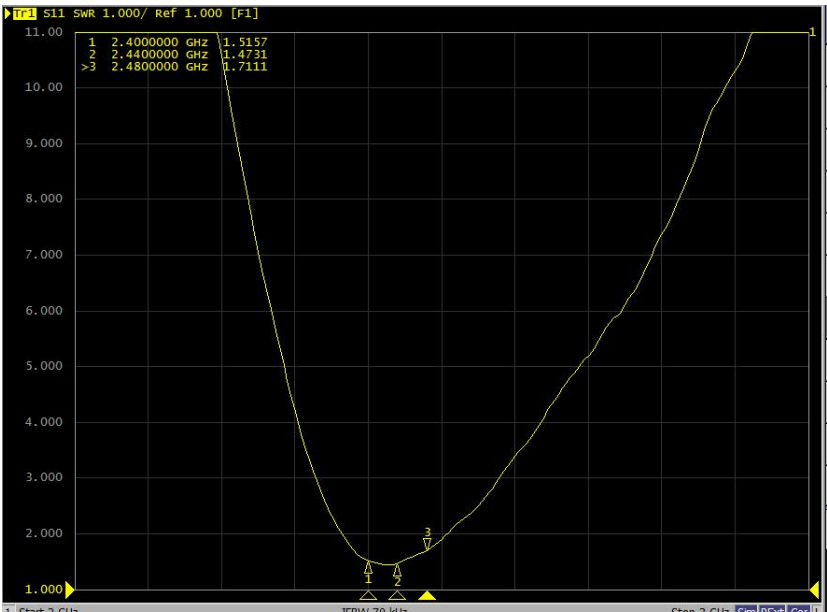
Antenna Photo & Length(mm)



Electrical Performance Test Results

Number	Inspection Items	Unit	Performance Requirements	Test Results	
1	Frequency	MHz	2402-2483	2402-2483	
2	Gain	dBi	/	2400	-3.04
				2440	-0.95
				2480	-0.83
3	Efficient	%	/	2400	24.35
				2440	36.77
				2480	39.55
4	Returnloss	dB	≤ -10	2400	-13.59
				2440	-14.9
				2480	-11.26
5	SWR	/	≤ 2	2400	1.51
				2440	1.47
				2480	1.71

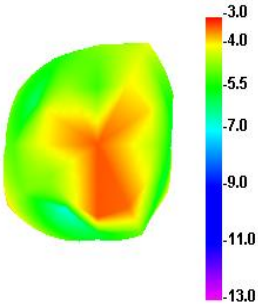




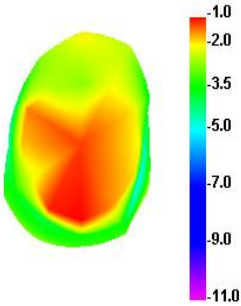
Radiation Parameter Test

Radiation Pattern (3D)

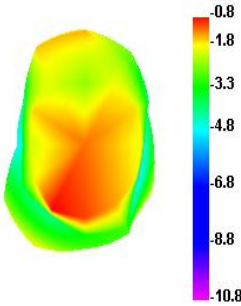
2400.000MHz



2440.000MHz

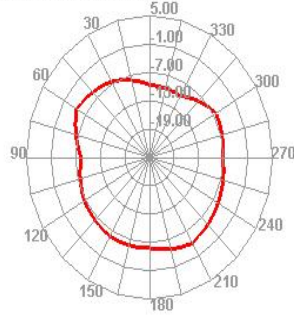


2480.000MHz

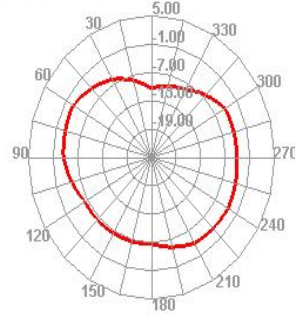


Radiation Pattern (2D) Horizontal Plane

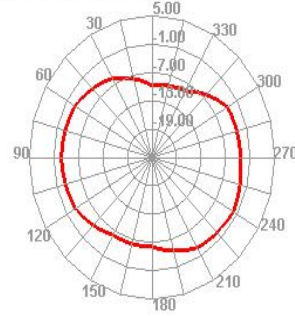
2400.000MHz H



2440.000MHz H

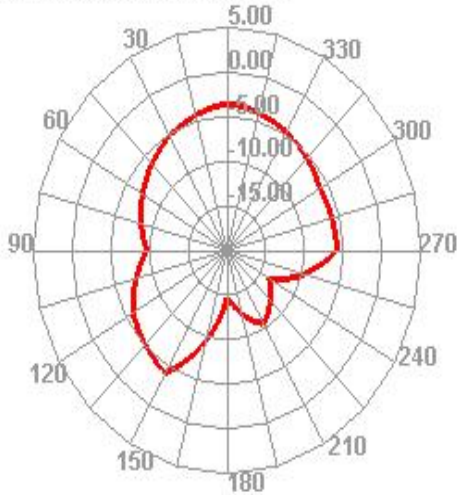


2480.000MHz H

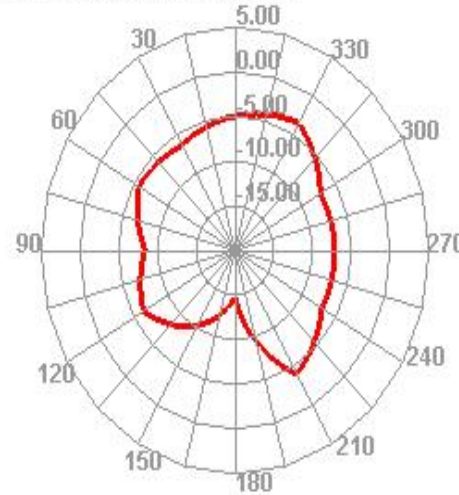


Vertical Plane

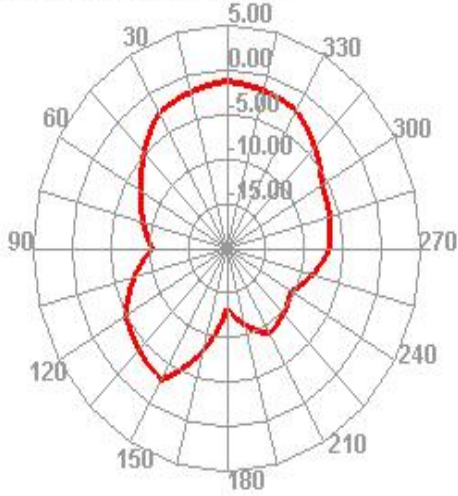
2400.000MHz E1



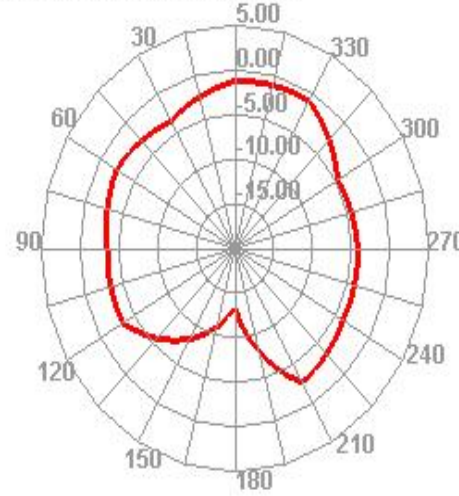
2400.000MHz E2



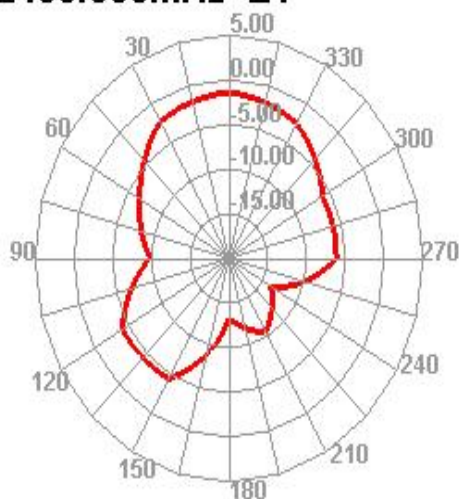
2440.000MHz E1



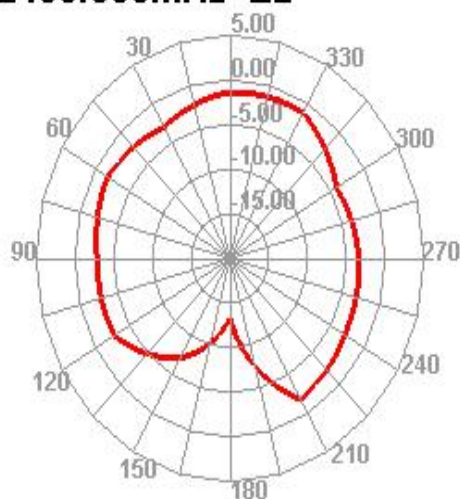
2440.000MHz E2



2480.000MHz E1



2480.000MHz E2



Antenna Passive Efficiency

Frequency	E Total. dB(dBi)	Efficiency(%)
2400MHz	-3.04	24.35
2410MHz	-2.75	26.02
2420MHz	-2.1	29.96
2430MHz	-1.9	30.46
2440MHz	-0.95	36.77
2450MHz	-0.64	39.05
2460MHz	-0.63	39.78
2470MHz	-0.71	39.08
2480MHz	-0.83	39.55
2490MHz	-0.31	46.13
2500MHz	-0.82	44.12