

HJ2400-FPC2075FSK

Bluetooth antenna of FPC

specification

V1.0

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Document Type: FPC Antenna
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Manufacturer: HJSIP®

2、Specification

Product Number: PCB Antenna

Sample Photo:



A. Electrical Characteristics

Frequency	2400 ~ 2500 MHz
S.W.R.	≤ 1.5
Gain	Max ≤ 2.91 dBi
Efficiency	~ 43%
Polarization	Linear
Impedance	50 Ohm

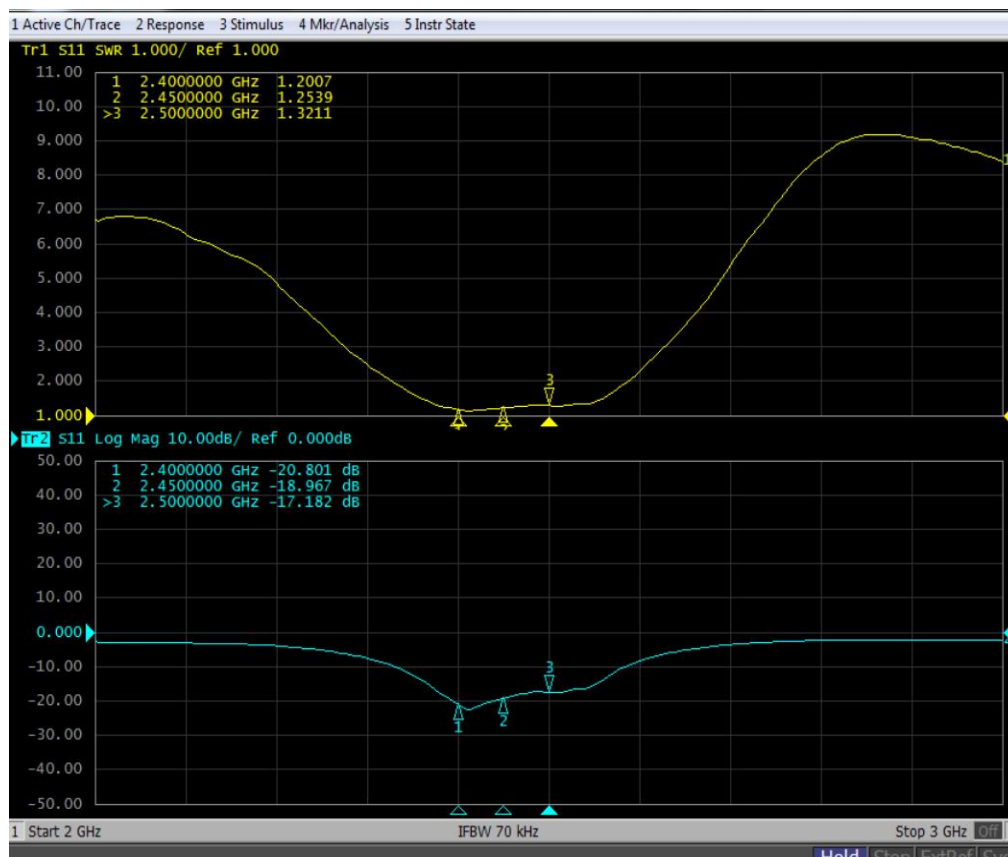
B. Material & Mechanical Characteristics

Material of Radiator	plated copper
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C. Environmental

Operation Temperature	- 40°C ~ + 85°C
Storage Temperature	- 40°C ~ + 105°C

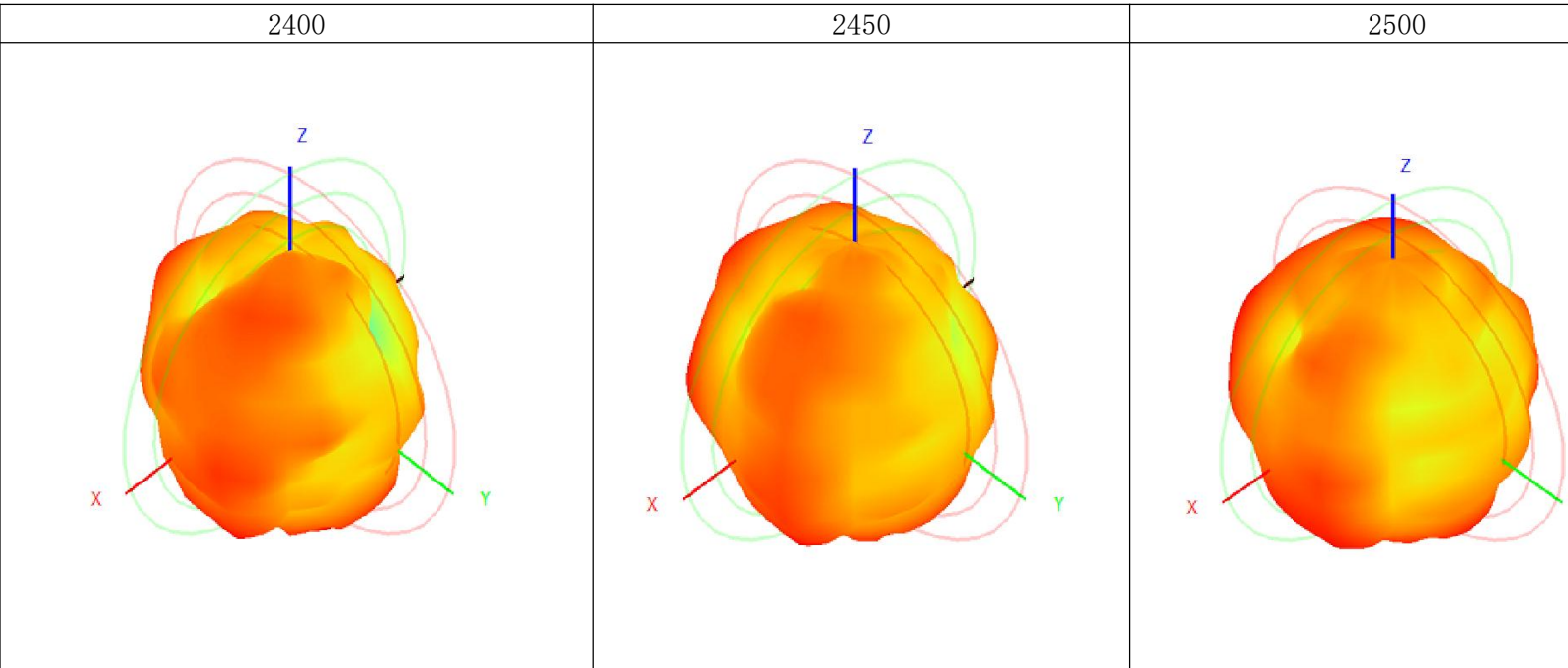
3、Return Loss



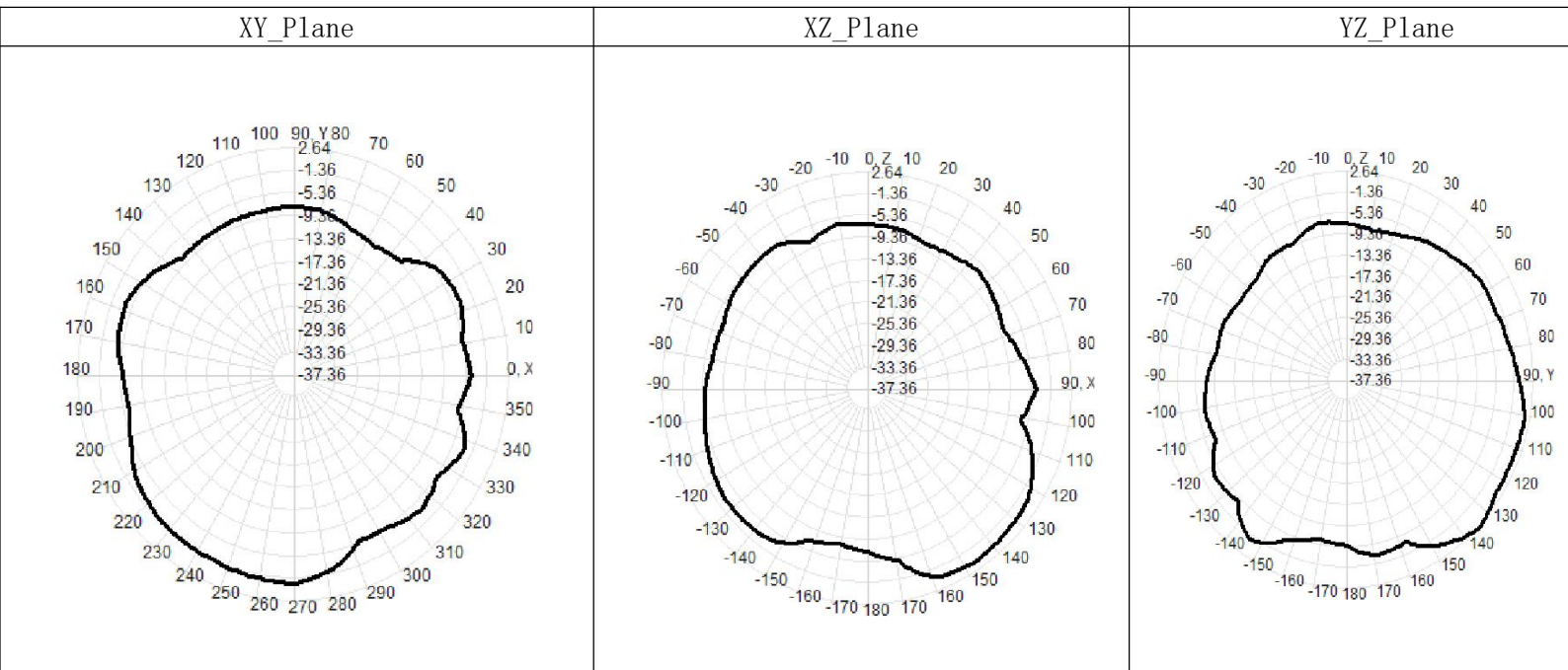
4、 Radiation Patter

Radiation Pattern and Gain were dependent on measurement board design. The specification of coil antenna was measured based on the PCB size and installation position as shown in the below figure Test Board.

3D Radiation Pattern



2D Radiation Pattern



5、PeakGain(dBi)&Efficiency(%)

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	2.45	2.53	2.64	2.75	2.87	2.91	2.86	2.78	2.60	2.41	2.34
Efficiency (%)	40.71	41.65	42.79	43.61	44.75	45.05	45.26	44.86	43.27	42.39	41.58