

Sample Information

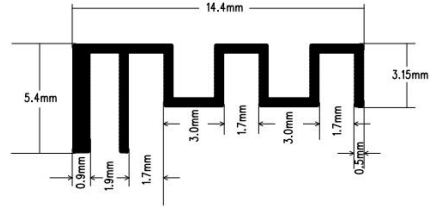
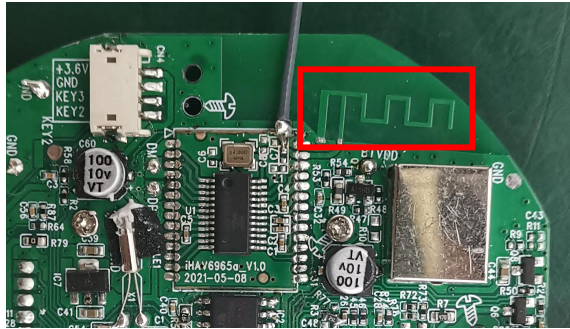
Client information

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Description of EUT(S)

Product Name	bluetooth Antenna
Sample Model	PCB Antenna
Max gain	0 dB
Serial No.	/
Test Item	VSWR; Antenna gain; Efficiency; Radiation pattern
Frequency Range	2400-2500MHz
Received Date	2022.8.31
Test Date	2022.9.1
4Remark	The length of the RF cable is 40mm

1.1 EUT appearance

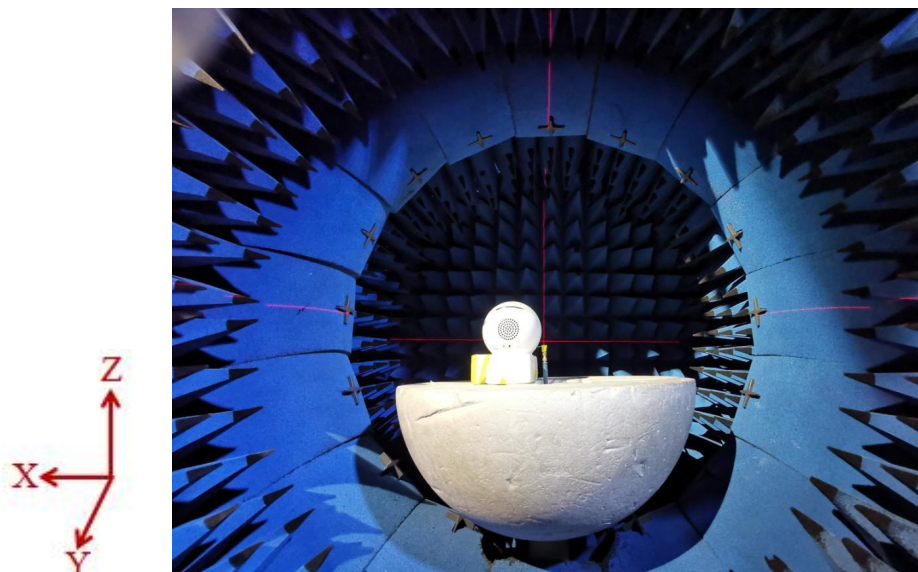


1.2 DUT setup photo of free space OTA testing

Planform

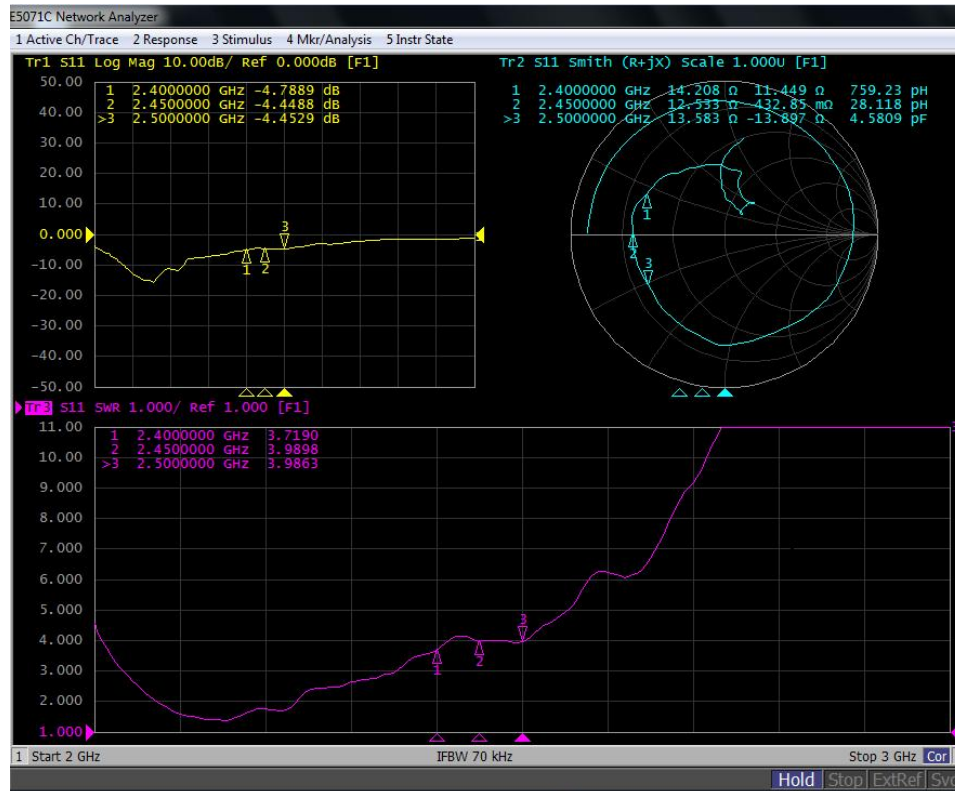


Front view



1.3 Test data

1.3.1 VSWR parameters



1.3.2 VSWR data

Frequency/MHz	2400	2450	2500
VSWR	3.7190	3.9898	3.9863

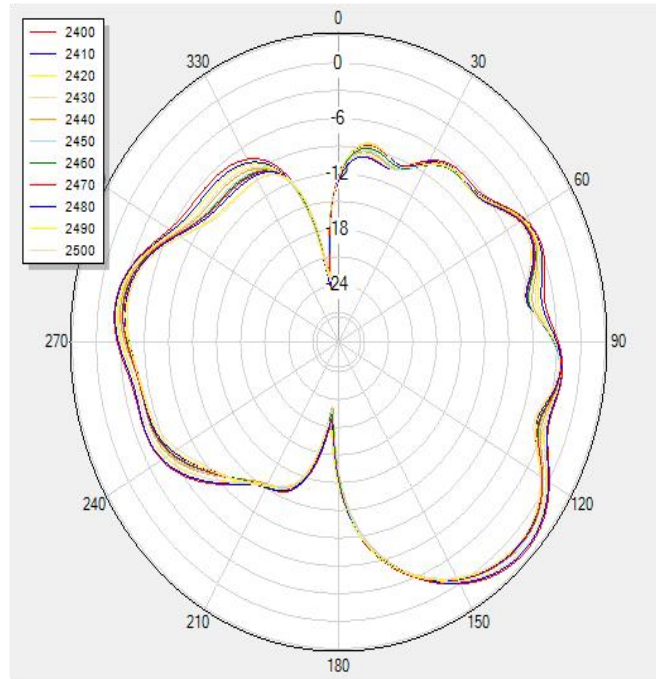
1.3.3 Typical free space efficiency and gain

Frequency/MHz	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain/dBi	0	-0.18	-0.46	-0.48	-0.89	-0.92	-1.12	-1.08	-1.23	-1.31	-1.38
Efficiency/%	30.37	29.46	28.23	27.90	26.51	26.07	25.80	26.03	25.30	24.75	24.34

1.3.4 Typical free space radiation pattern

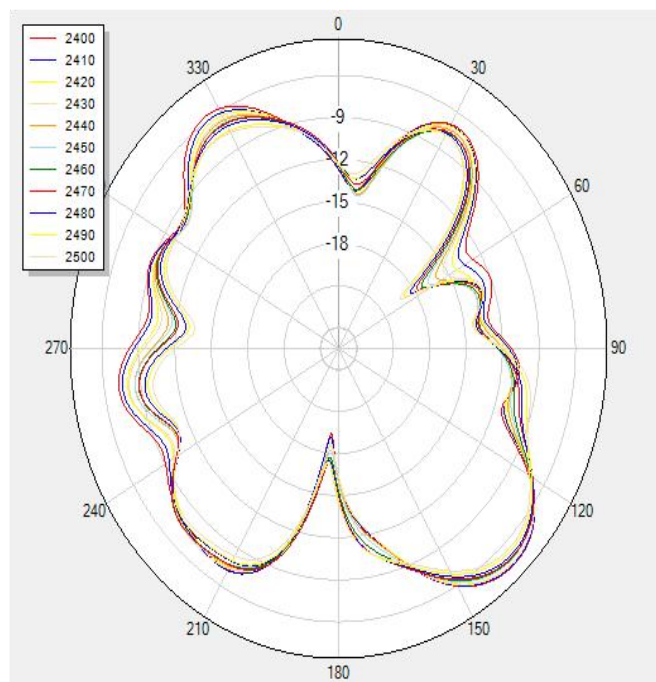
(1) X-Z Plane:

V Phi=0



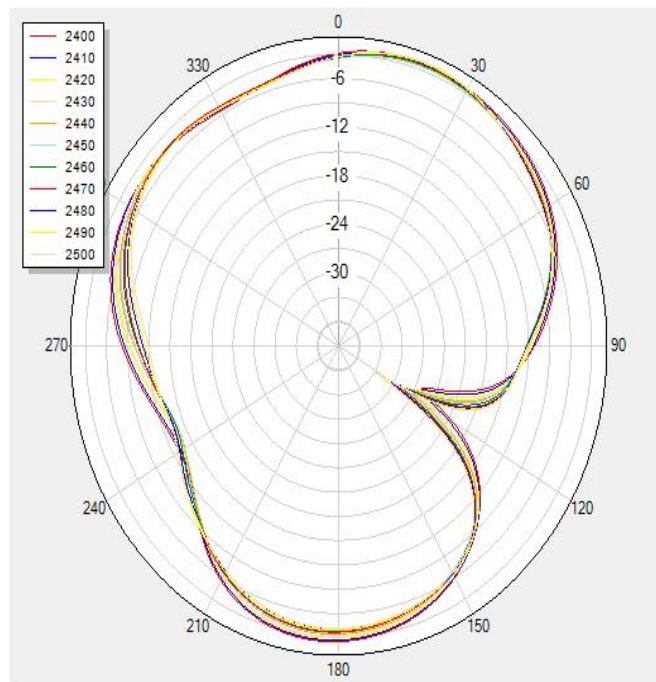
(2) Y-Z Plane:

V Phi=90



(3) X-Y Plane:

H Theta=90



(4) Typical Free Space 3D Radiation Pattern at 2.45GHz:

