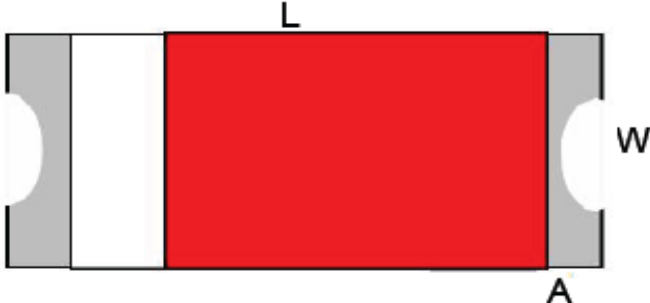


Antenna Test Report

Customer	
Project	
Antenna BAND	2. 4G
Product Description	PCB
Product No	

Product Overview & Dimension

Front-ANT

Figure	Symbol	Dimension (mm)
 The diagram shows a cross-section of the Front-ANT component. It consists of a central red rectangular region. To the left of this red region is a white rectangular region, which is further to the left is a grey rectangular region. To the right of the red region is another grey rectangular region. The dimension 'L' is indicated above the red region, representing its length. The dimension 'W' is indicated to the right of the red region, representing its width. The dimension 'T' is indicated below the red region, representing its thickness. The dimension 'A' is indicated below the rightmost grey region, representing the electrode width.	L (长)	5.00 ± 0.20
	W (宽)	2.00 ± 0.30
	T (厚度)	1.0 ± 0.30
	A (电极宽度)	0.50 ± 0.20

This report is to measure the performance of BT antenna for **IKAB**.
The antenna operating frequency at (2400–2500MHZ) , All test data are showed as below.

Content

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 - 4.3 Test coordinate
 - 4.4 2D Pattern
 - 4.5 OTA Data
 - 4.6 WIFI Boot measured
5. Antenna Assembly & environmental processing

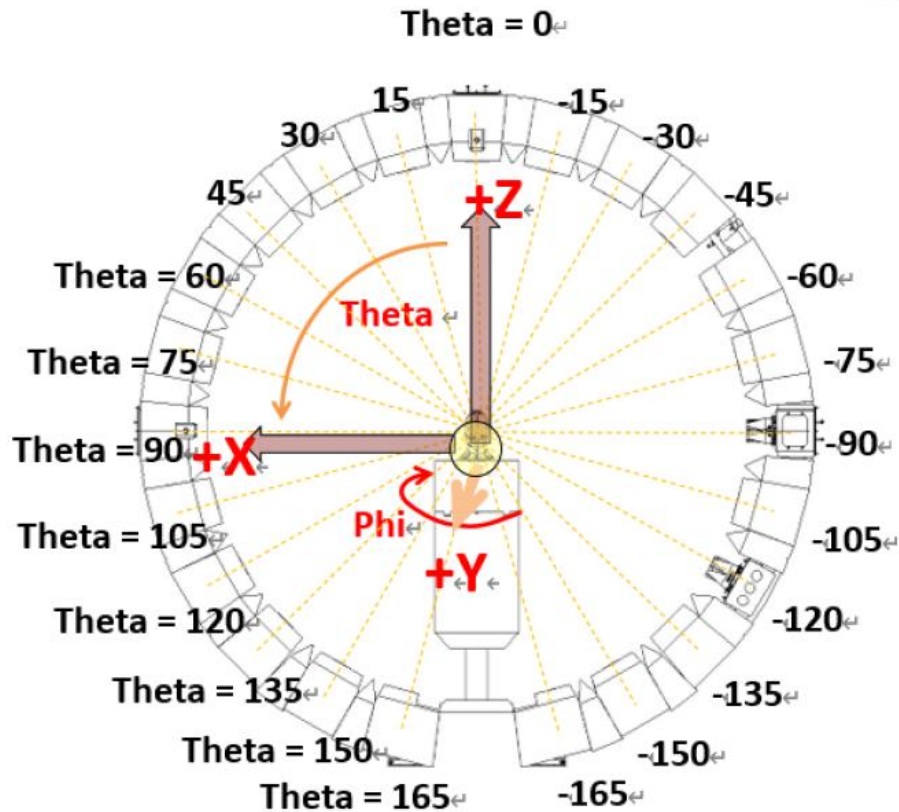
2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C

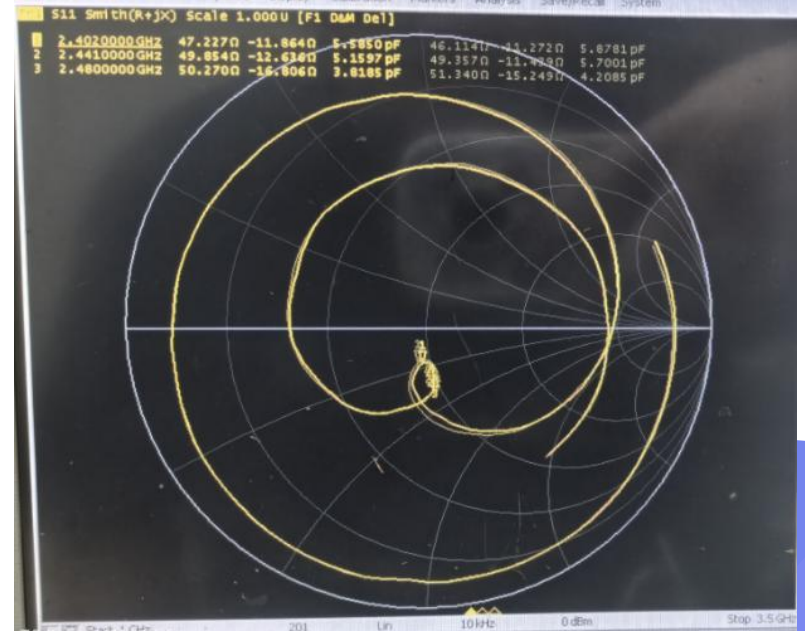
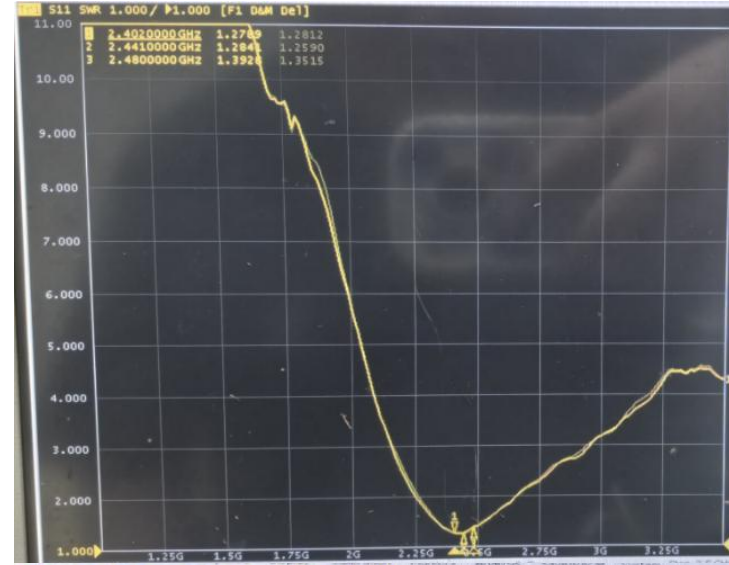
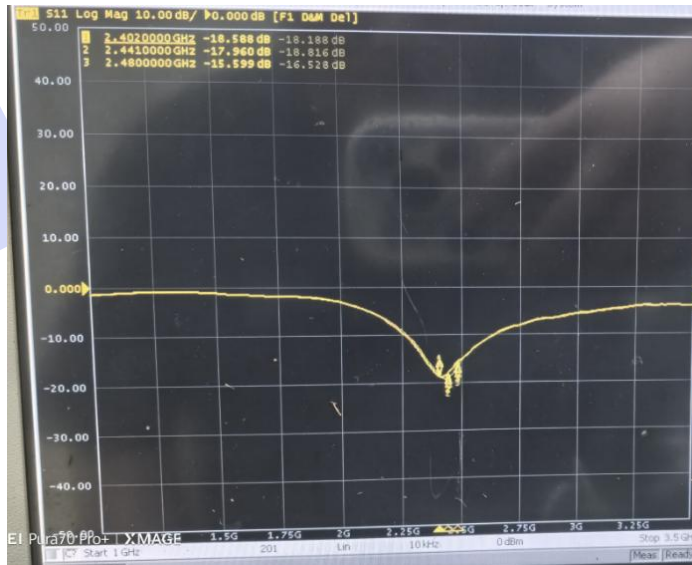


Test Result

Sample status & coordinates

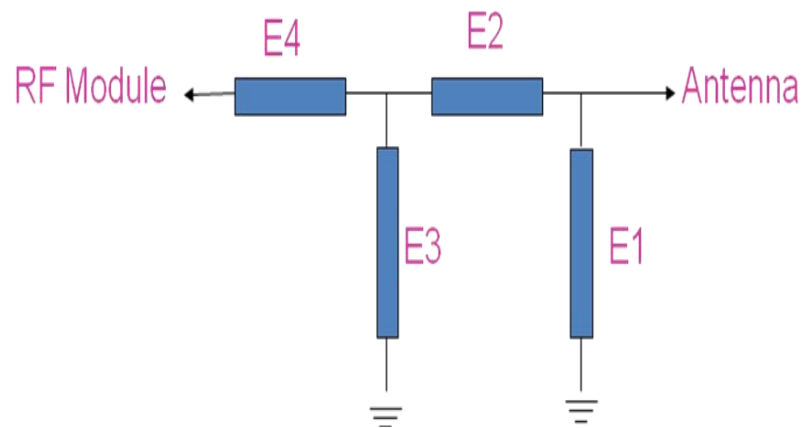


S11



Frequency (MHz)	2400	2450	2500
Smith	47.22	49.85	50.27
Log mag	-18.58	-17.96	-15.59
VSWR	1.27	1.28	1.39

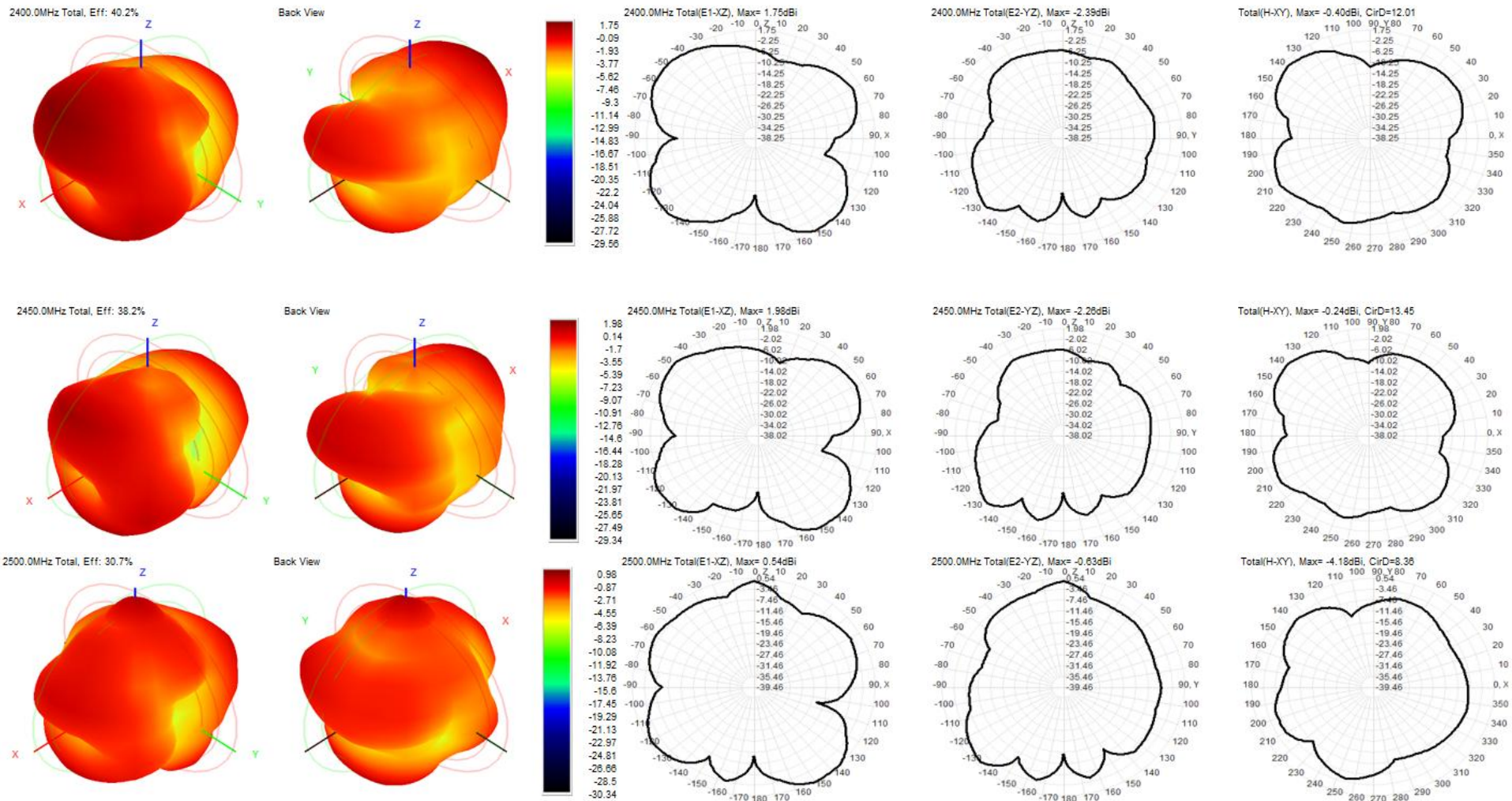
Match network parameters



WIFI-2.4G											
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)	1.75	1.81	2.09	2.08	1.95	1.98	1.82	1.74	1.43	0.98	0.98
Efficiency (%)	47.16	48.33	47.67	47.23	46.91	47.18	47.13	46.68	45.42	44.77	44.70

OTA DATA-2.4G ANT

3D Pattern



Thanks for your comment!
