

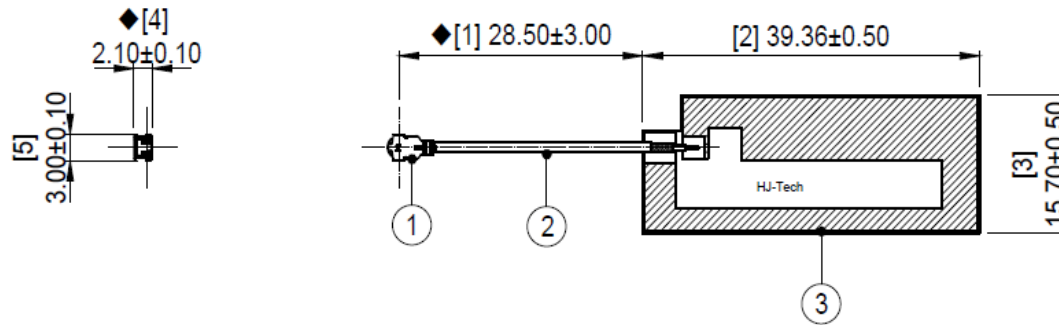
Antenna Test Report

Customer	
Project	
Antenna BAND	2.4G
Product Description	
Product No	

Product Overview & Dimension

Front-ANT

Antenna Photo & Length (mm)





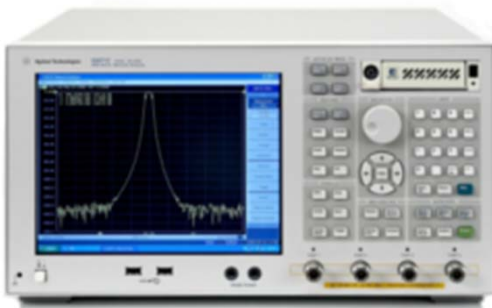
This report is to measure the performance of BT antenna for **IKAB**.
The antenna operating frequency at (2400–2500MHZ) , All test data are showed as below.

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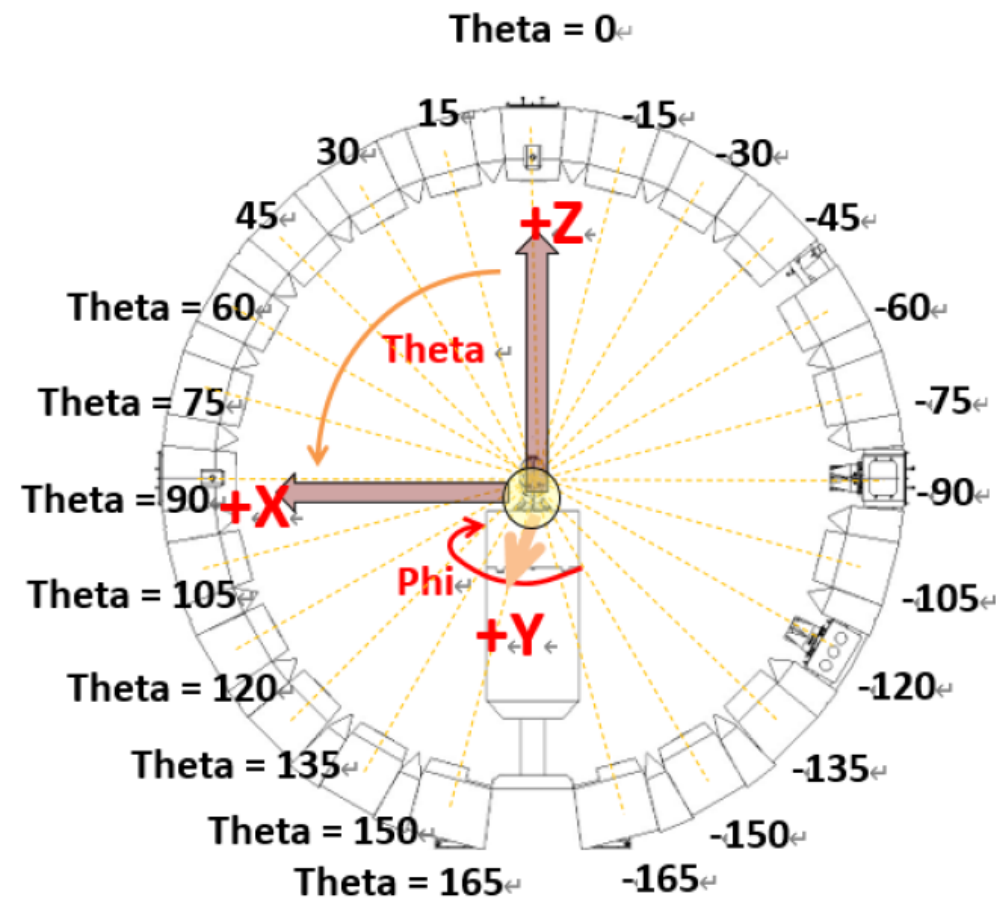
2. Test System

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

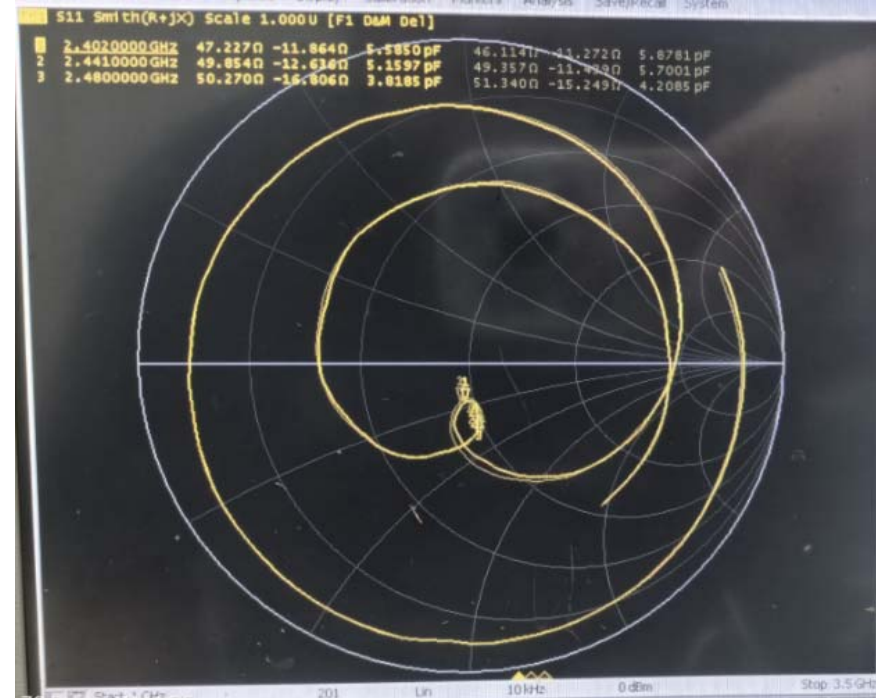
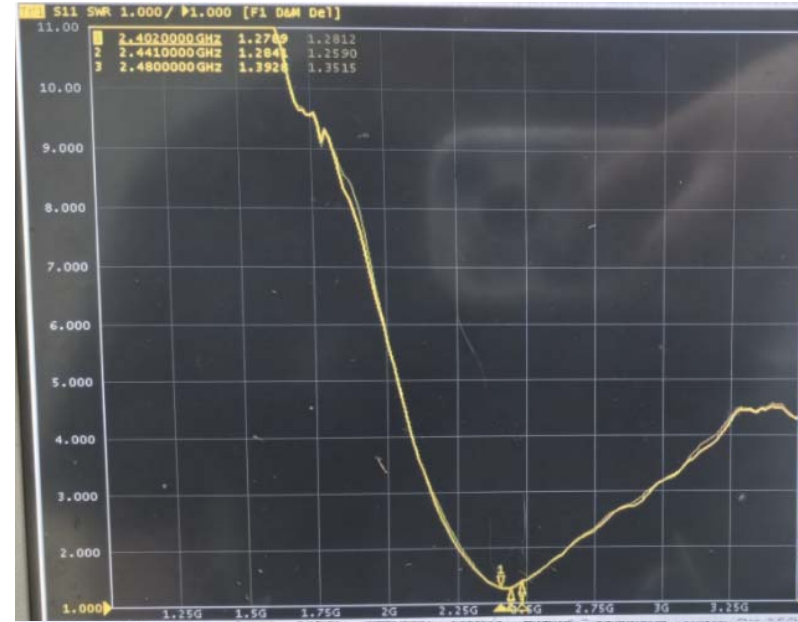
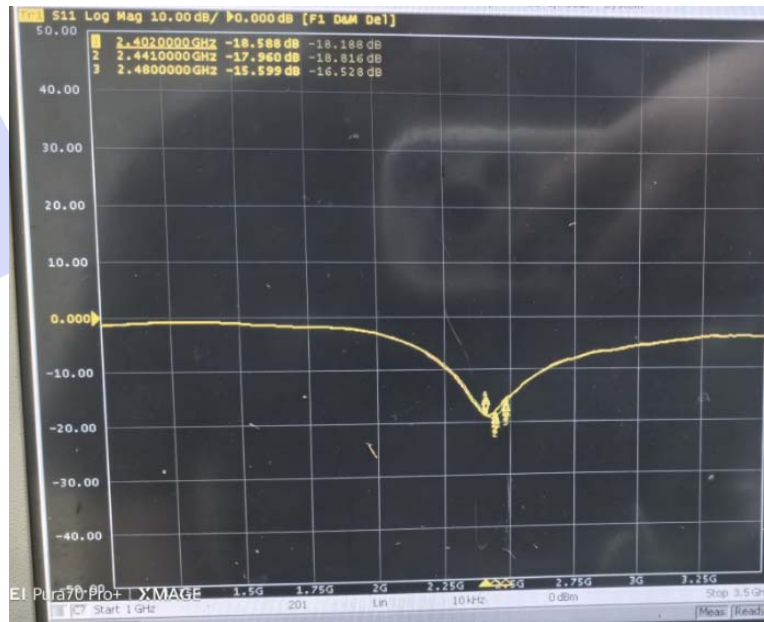


Test Result

Sample status & coordinates

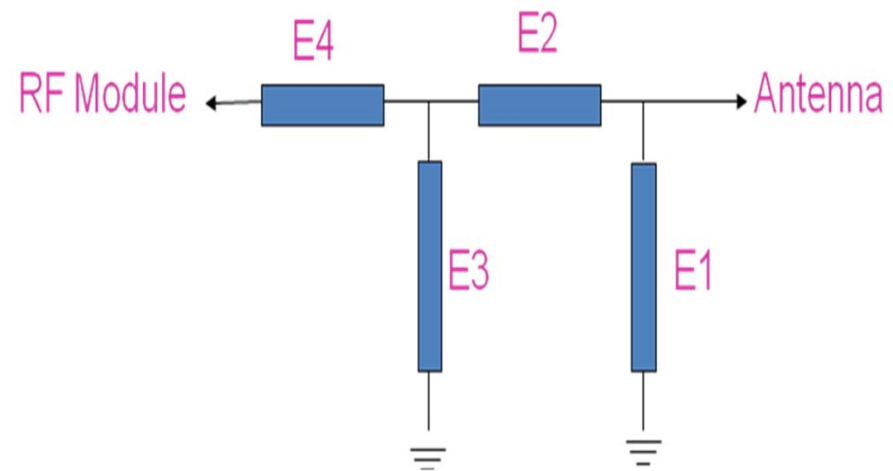


S11



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

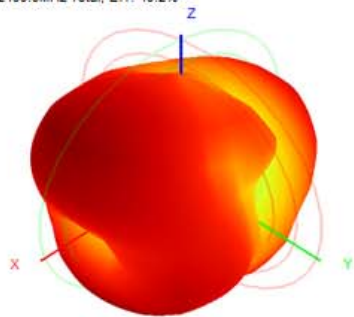


WIFI-2.4G											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	1.75	1.81	2.09	2.08	1.95	1.98	1.82	1.74	1.43	0.98	0.98
Efficiency (%)	47.16	48.33	47.67	47.23	46.91	47.18	47.13	46.68	45.42	44.77	44.70

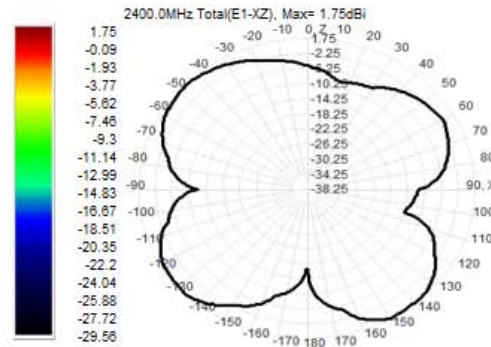
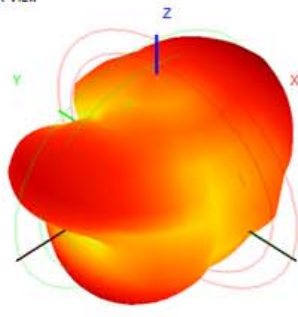
OTA DATA-2.4G ANT

3D Pattern

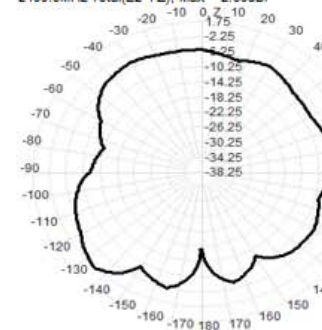
2400.0MHz Total, Eff: 40.2%



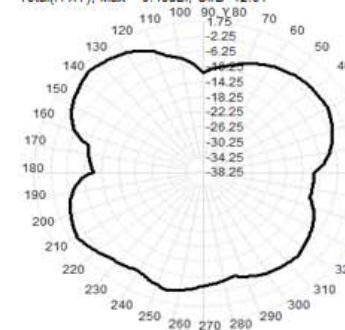
Back View



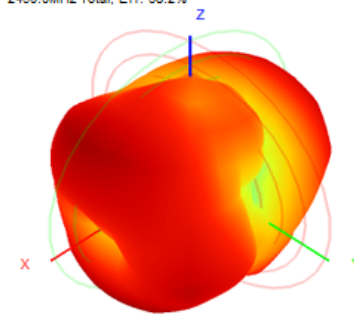
2400.0MHz Total(E2-YZ), Max= -2.39dBi



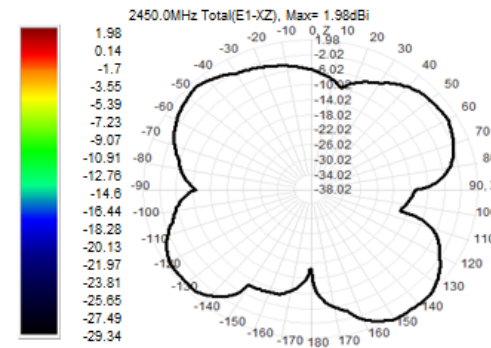
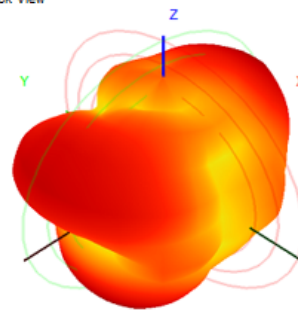
Total(H-XY), Max= -0.40dBi, CirD=12.01



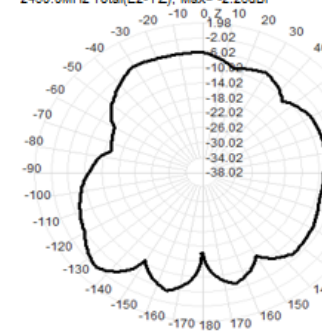
2450.0MHz Total, Eff: 38.2%



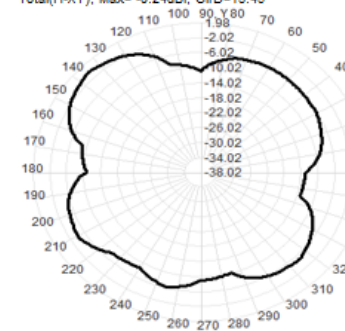
Back View



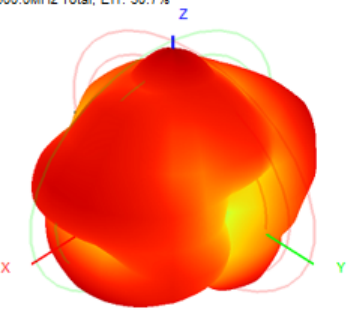
2450.0MHz Total(E2-YZ), Max= -2.26dBi



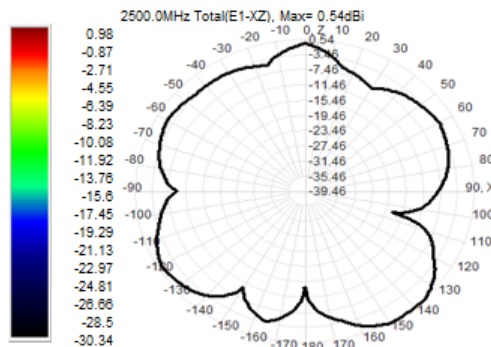
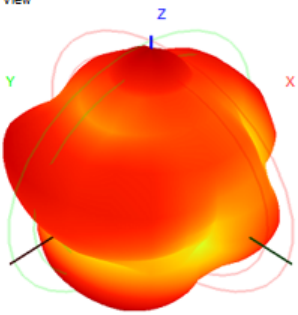
Total(H-XY), Max= -0.24dBi, CirD=13.45



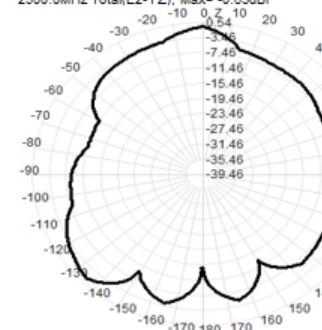
2500.0MHz Total, Eff: 30.7%



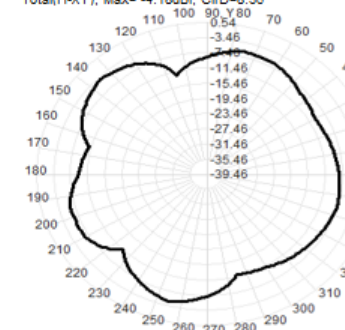
Back View



2500.0MHz Total(E2-YZ), Max= -0.83dBi



Total(H-XY), Max= -4.18dBi, CirD=8.36





Thanks for your comment!

