

007 Antenna Specification

Customer	Hongjiayuan
Project	007
Antenna BAND	BT
Product Description	FPC
Product No	V1.0

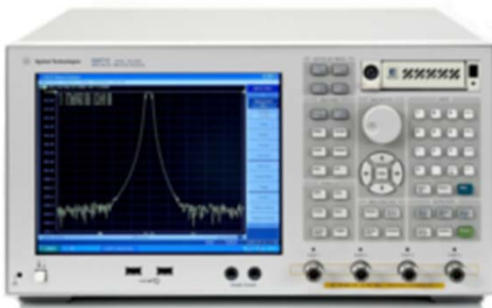
This report is to measure the performance of WIFI antenna for 007
.The antenna operating frequency at
(2400–2500MHZ) , All test data are showed as below.

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2. Test System

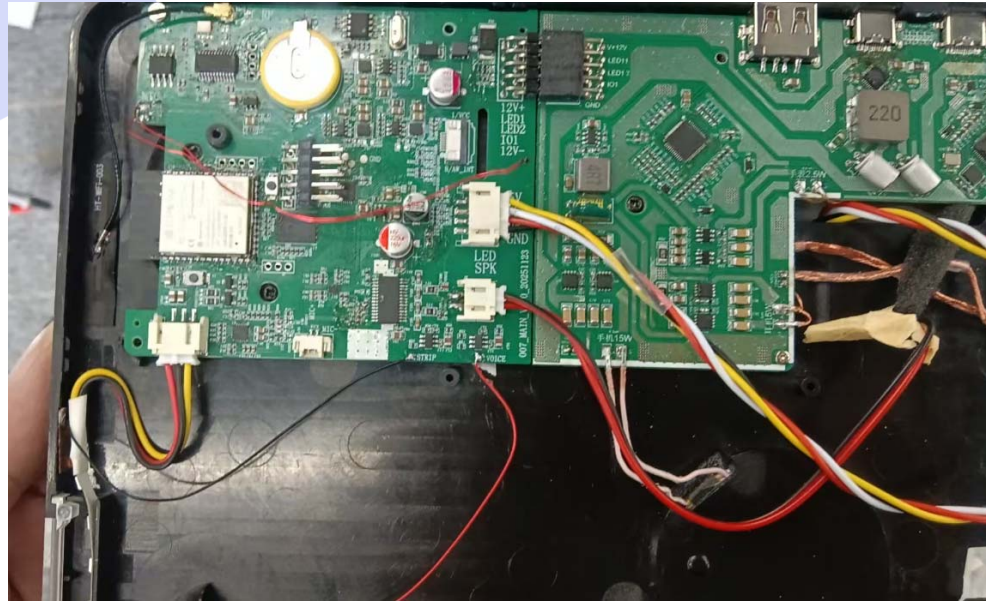
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C



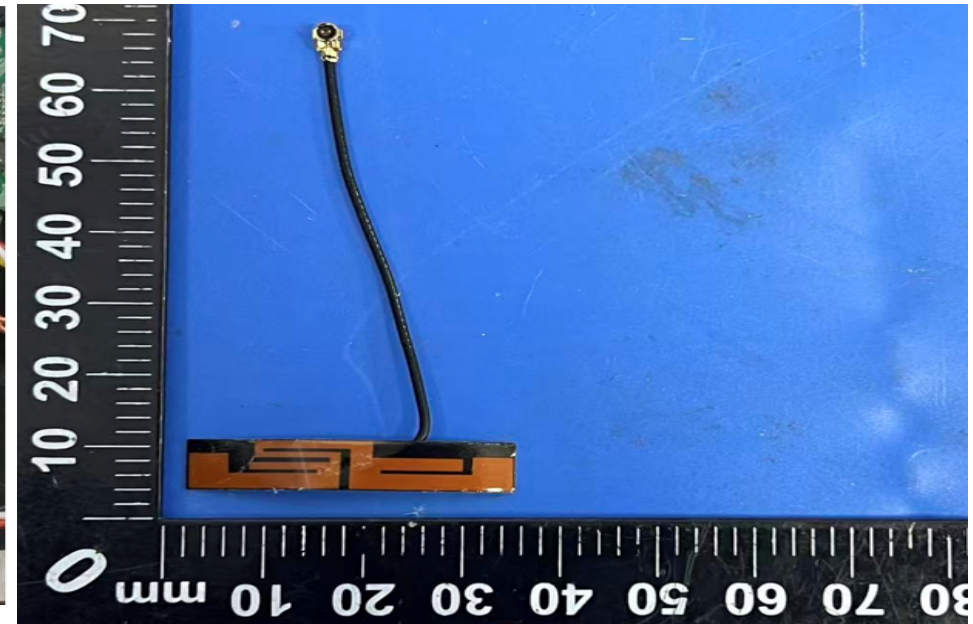
Prototype images and antenna positions

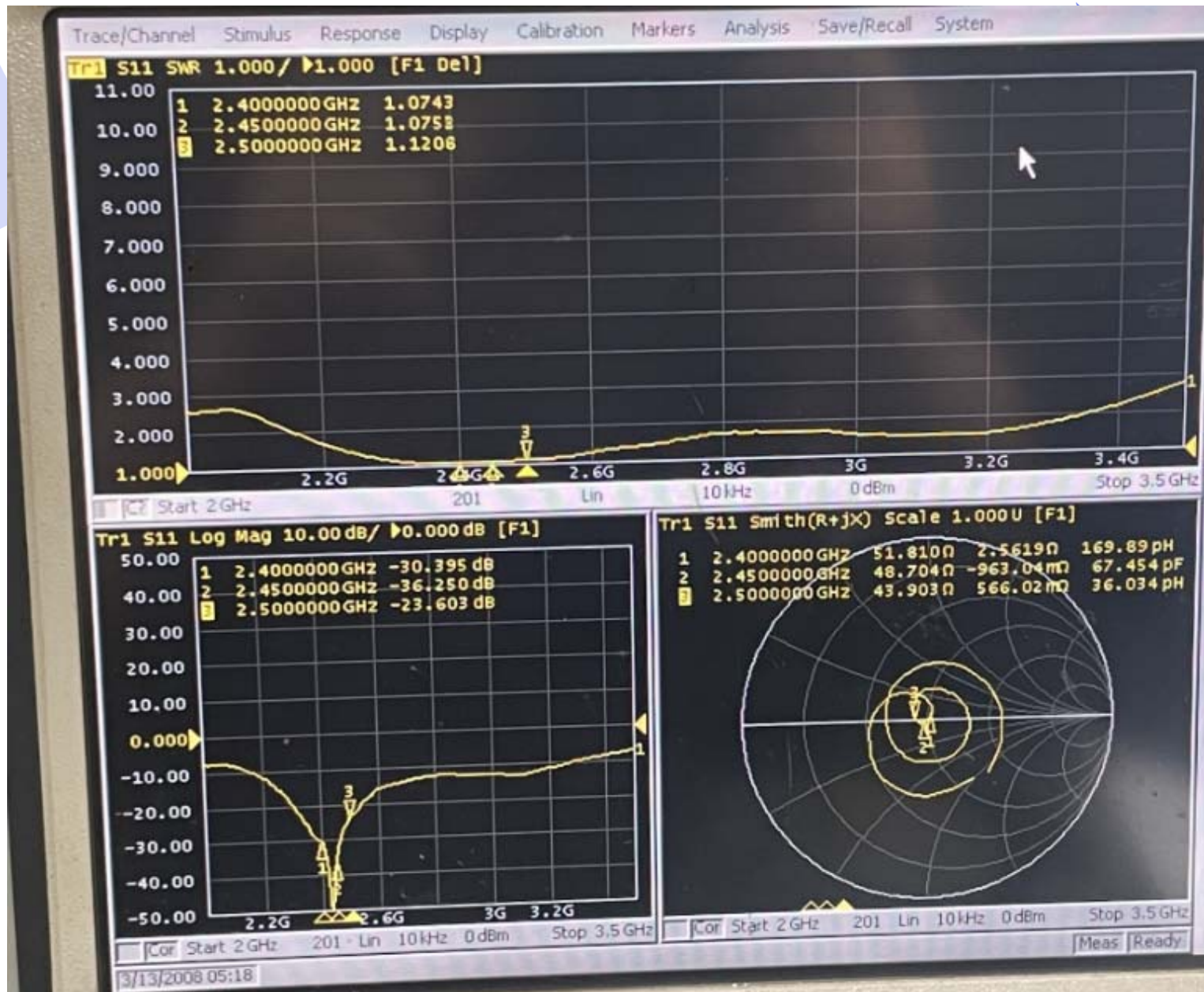


Prototype images and antenna positions



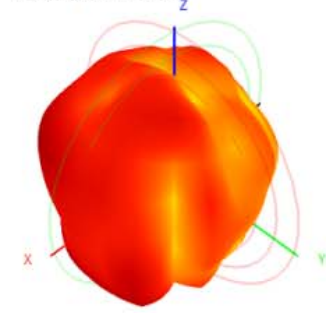
Antenna Size: 35mm x 7mm



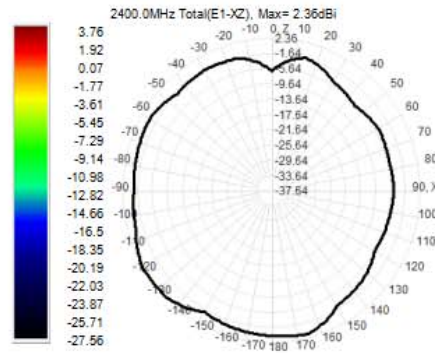
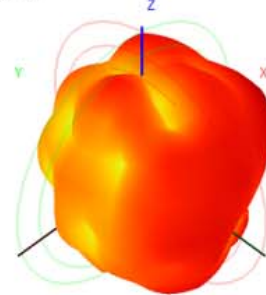


Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	3.76	3.69	3.55	3.55	3.49	3.42	3.51	3.82	4.19	4.50	4.32
Efficiency (%)	57.59	58.77	57.99	58.84	58.21	58.50	58.99	57.86	55.08	57.60	59.24

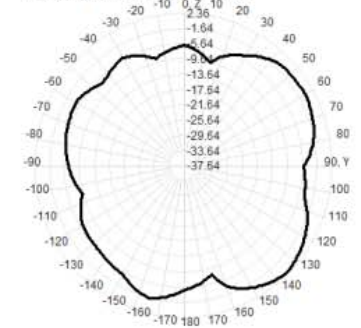
2400.0MHz Total, Eff: 57.6%



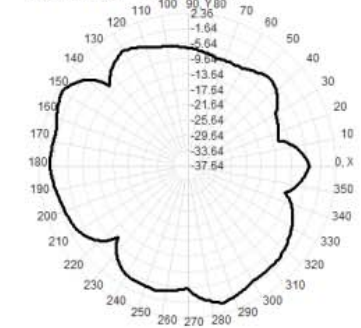
Back View



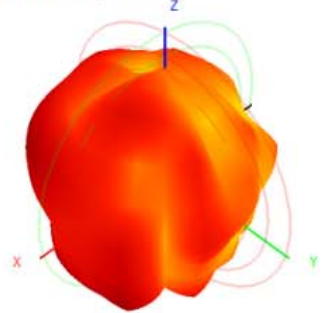
2400.0MHz Total(E2-YZ), Max= 1.75dBi



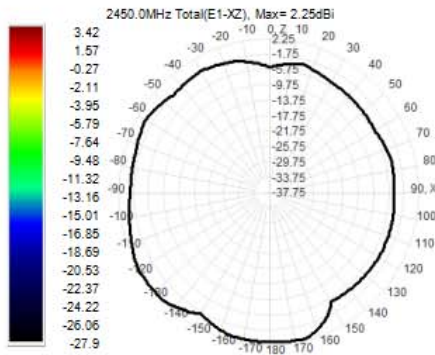
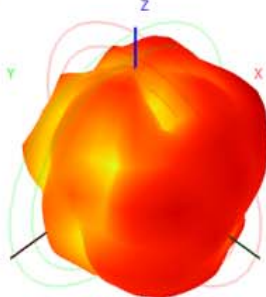
Total(H-XY), Max= 1.25dBi, CirD=13.88



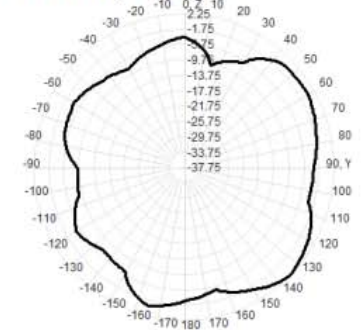
2450.0MHz Total, Eff: 58.5%



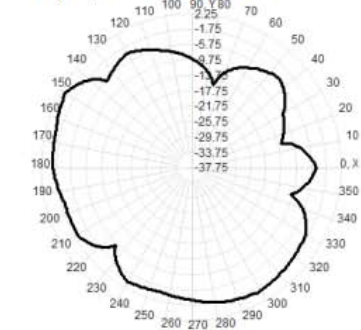
Back View



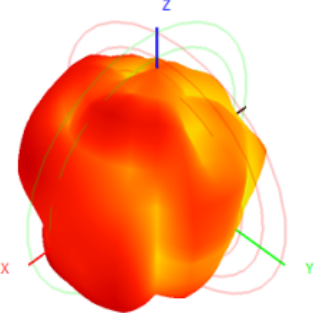
2450.0MHz Total(E2-YZ), Max= 1.89dBi



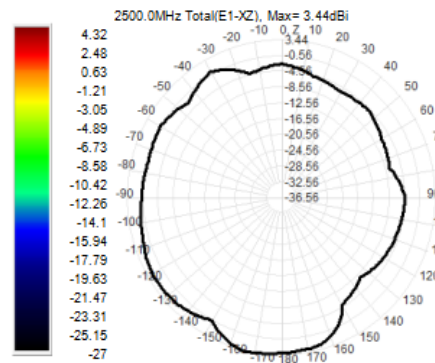
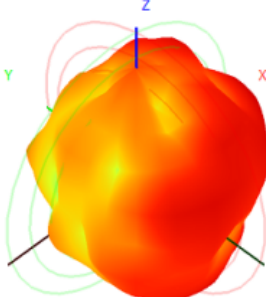
Total(H-XY), Max= 0.92dBi, CirD=16.42



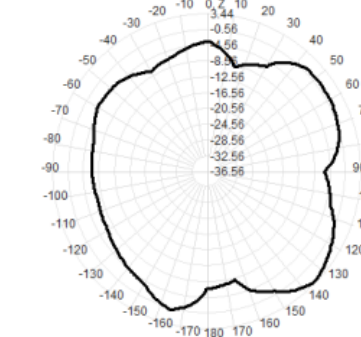
2500.0MHz Total, Eff: 59.2%



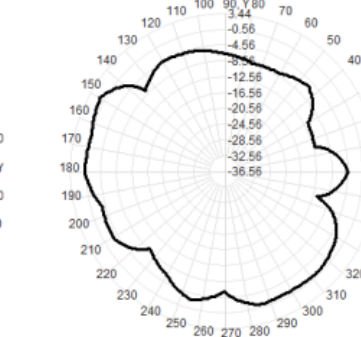
Back View



2500.0MHz Total(E2-YZ), Max= 2.81dBi



Total(H-XY), Max= 0.64dBi, CirD=13.15



Thanks for your comment!

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