



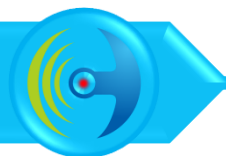
Professional antenna serviceprovider

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

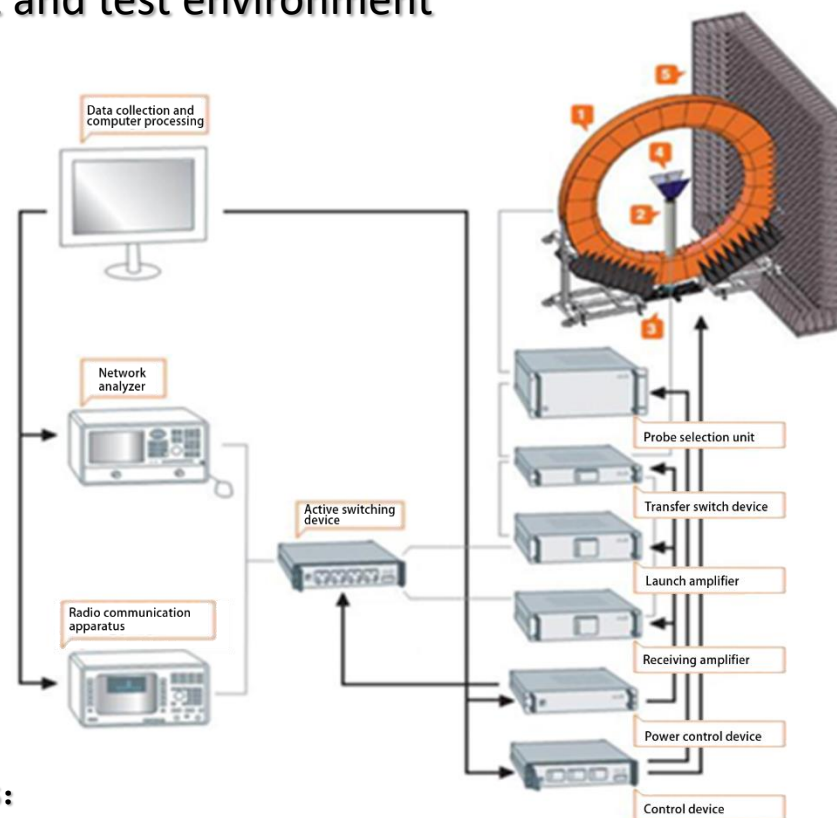


Antenna test report

Item model	oasis mini
Antenna model	
Testers	Gaofu Xu
Auditors	Quansheng Yang
Date	2023-12-6

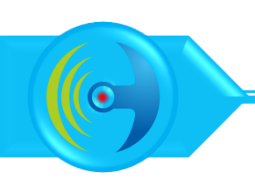


Test equipment and test environment

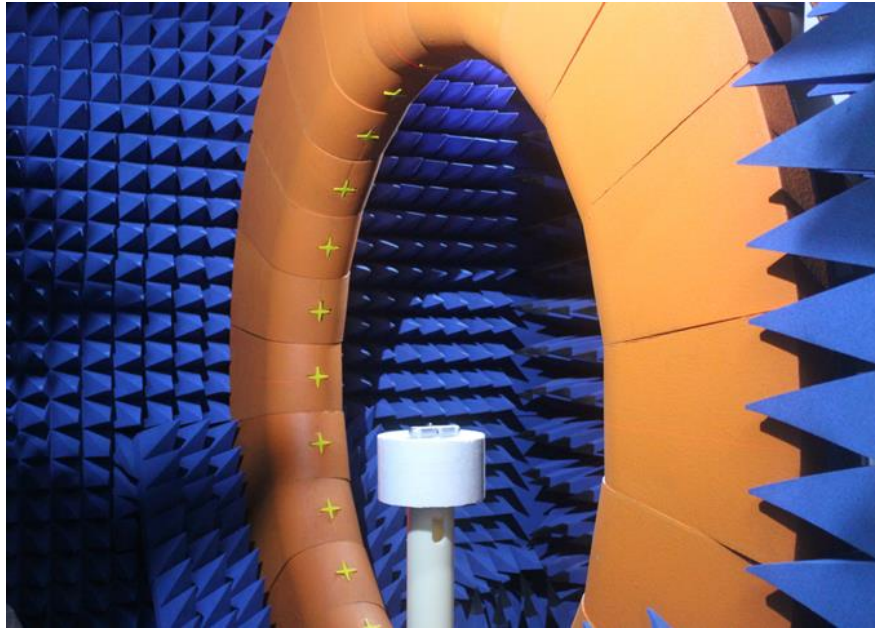


Test Environment Conditions:

RelativeHumidity	15 ... 75 %
Temperature	+10 ° C ~ +30 ° C
Voltage of the EUT	N/A



Test equipment



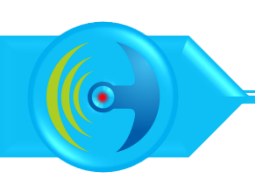
Probe microwave anechoic chamber

➤ Frequency Range : 0.4GHz-6GHz

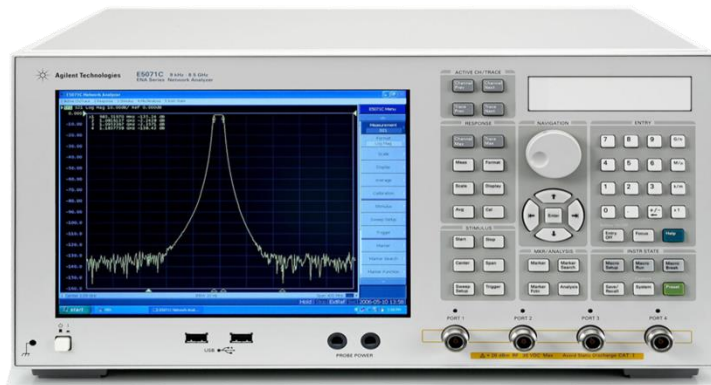
Main test indicators

- ◆ Passive indicators
- ◆ Gain
- ◆ effectiveness
- ◆ 3D pattern

- Active indicator
- TRP total radiated power
- TIS total receiving sensitivity



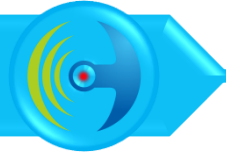
Test equipment



Agilent E5071C Vector network analyzer
➤ Frequency Range : 300 kHz - 8.5GHz

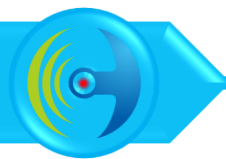


R&S CMW500 Broadband wireless communication tester
➤ GSM/3G/4G
➤ WIFI/ Bluetooth
➤ NB-IoT

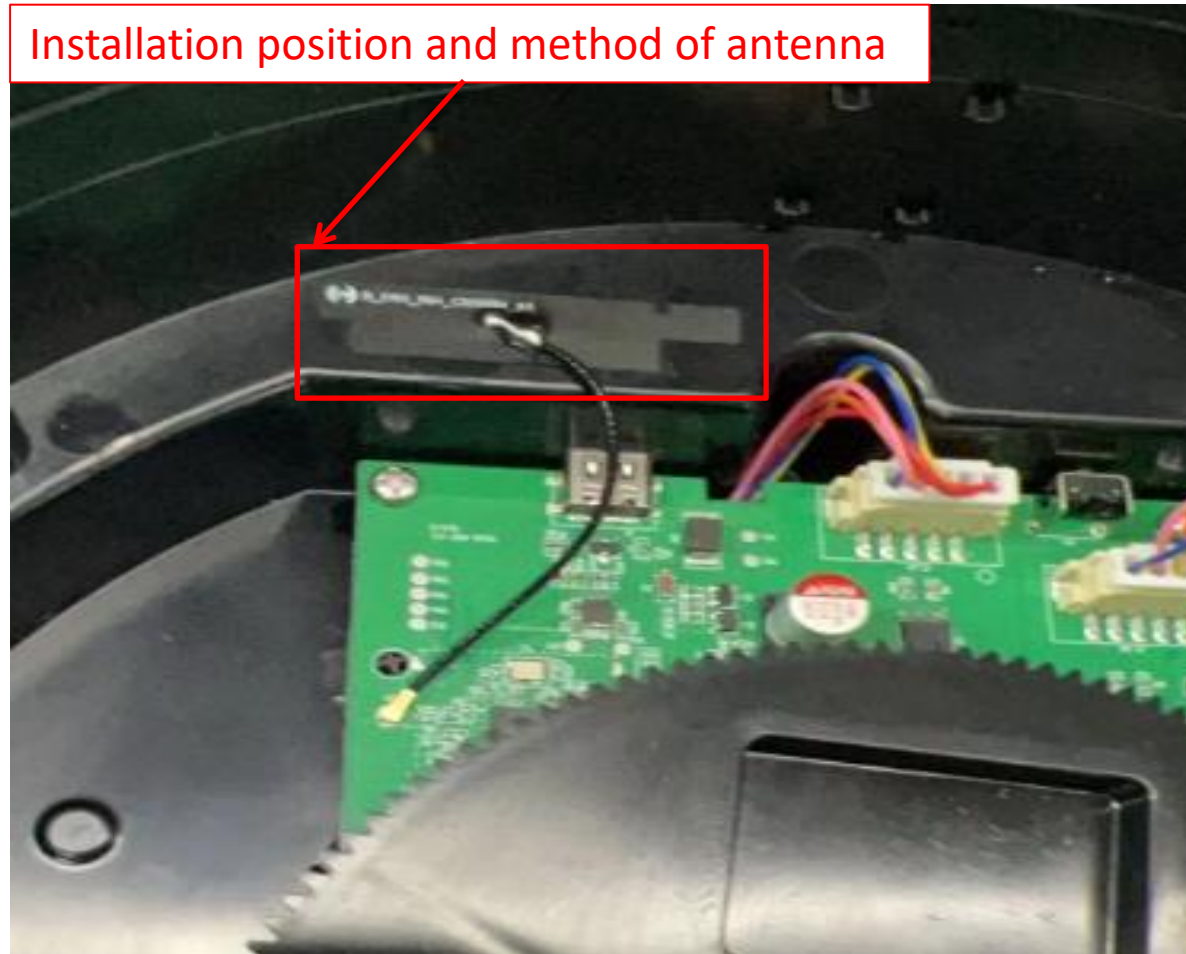


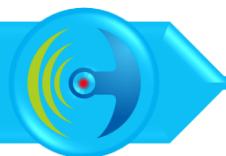
Test photos



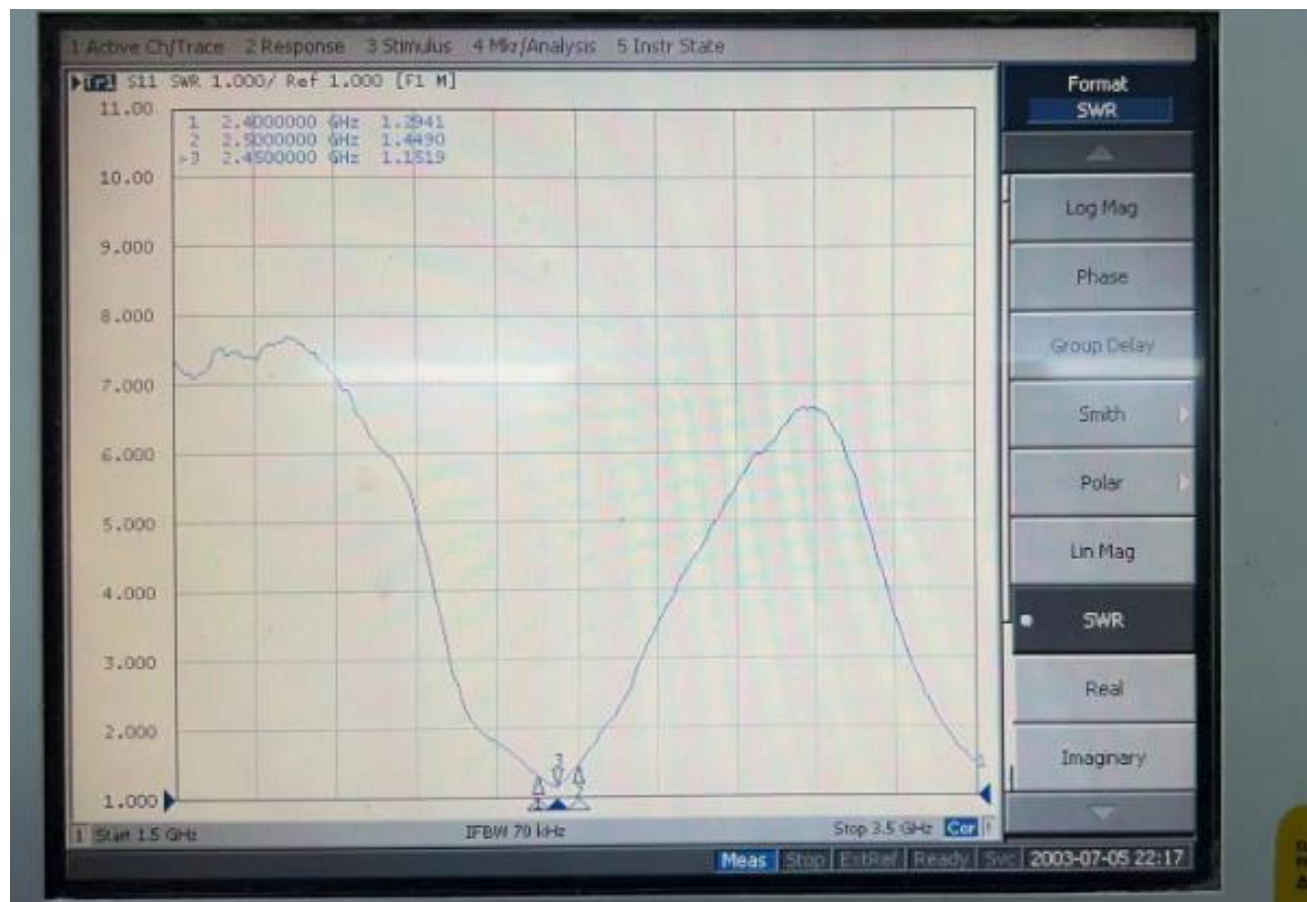


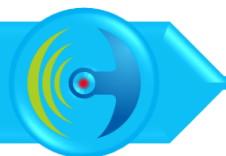
Passive antenna data



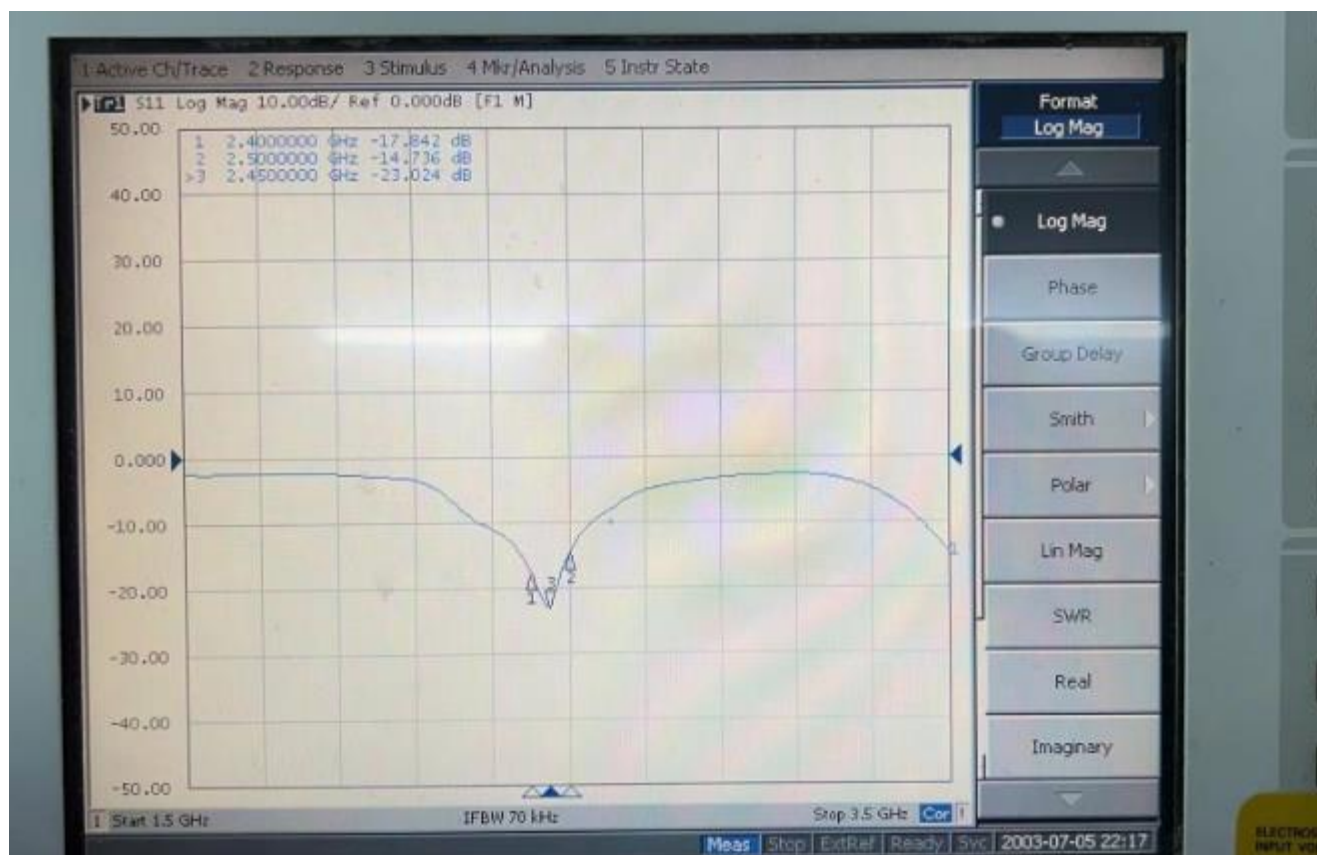


Antenna SWR





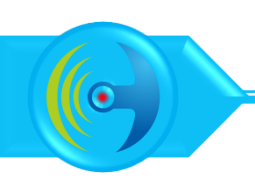
Antenna Return loss



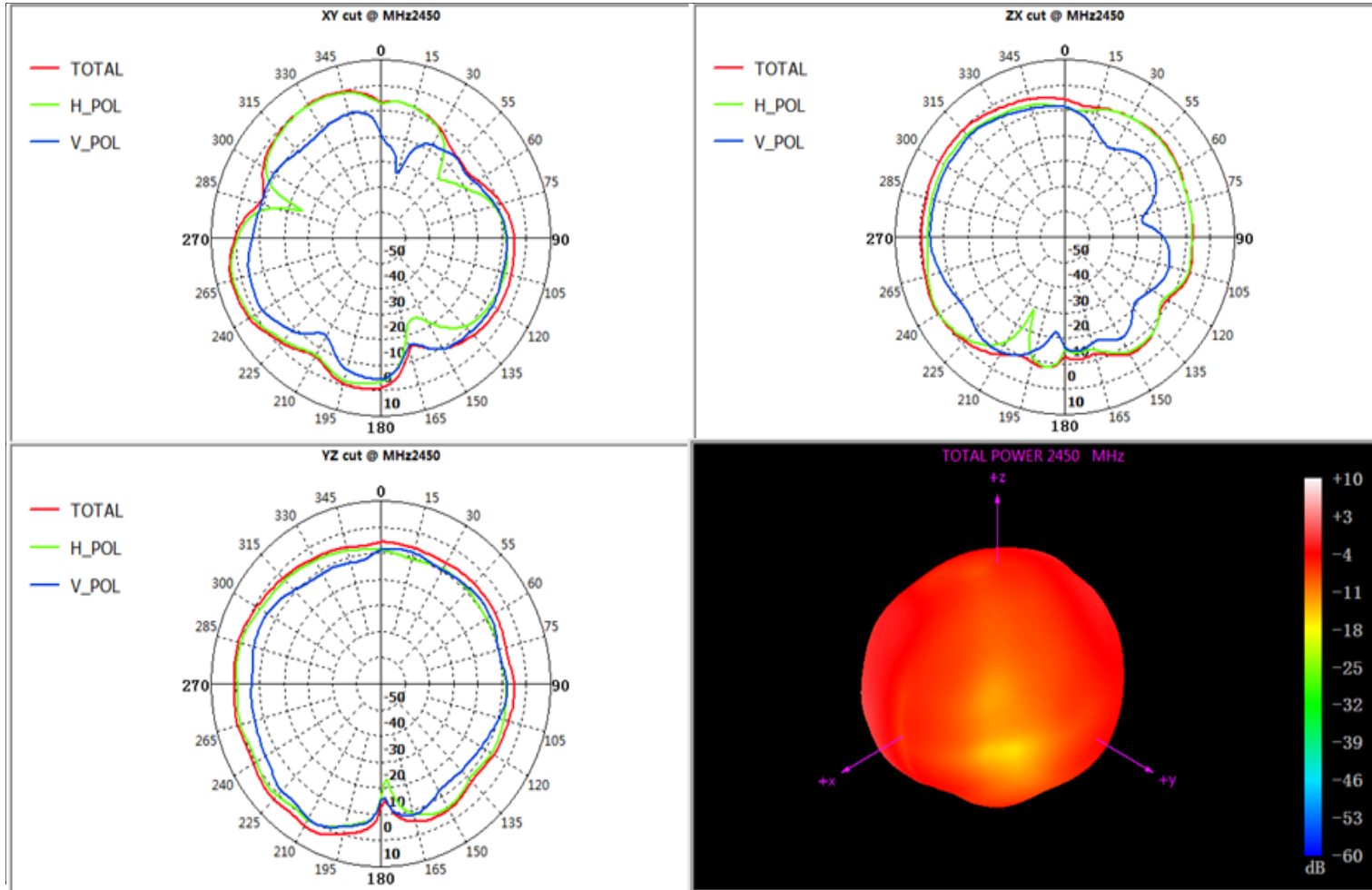


Antenna gain and efficiency

Antenna		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400	55.01	3.01
2410	55.37	3.09
2420	59.7	3.56
2430	56.52	3.33
2440	54.32	3.33
2450	53.4	3.43
2460	53.89	3.65
2470	54.33	3.78
2480	54.45	3.87
2490	56.96	3.2
2500	58.75	3.48



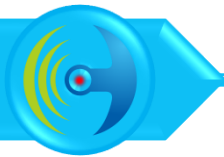
Antenna Radiation Pattern



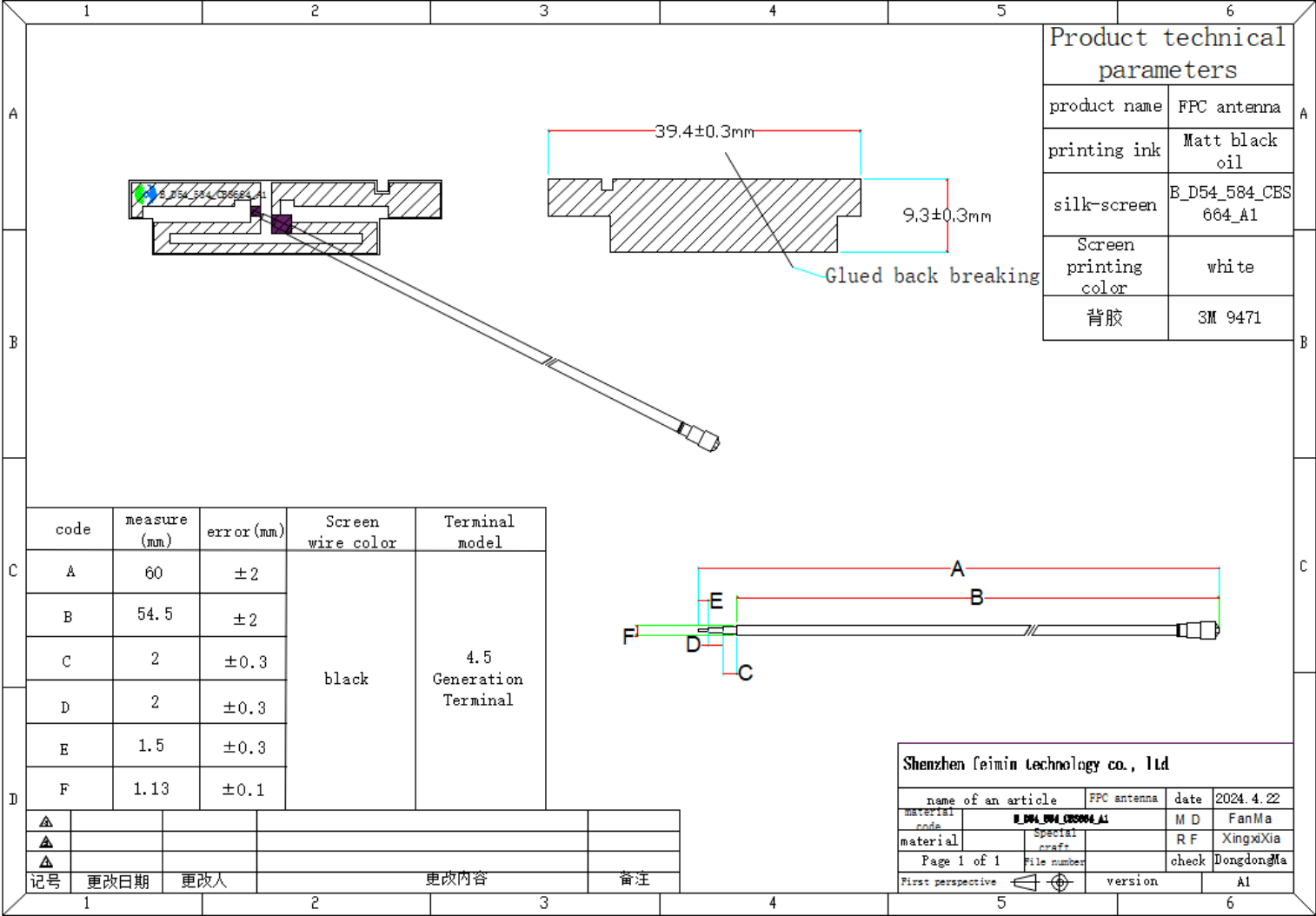


OTA Active data (TIS, TRP)

WIFI			
Mode	Channel	TRP	TIS
802.11b 11Mbps	CH 1	15.43	-84.76
	CH 7	15.9	-84.95
	CH 13	15.62	-84.7



Antenna size



Thanks for your support!

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