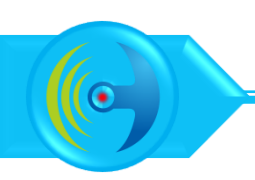




# Professional antenna serviceprovider

SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

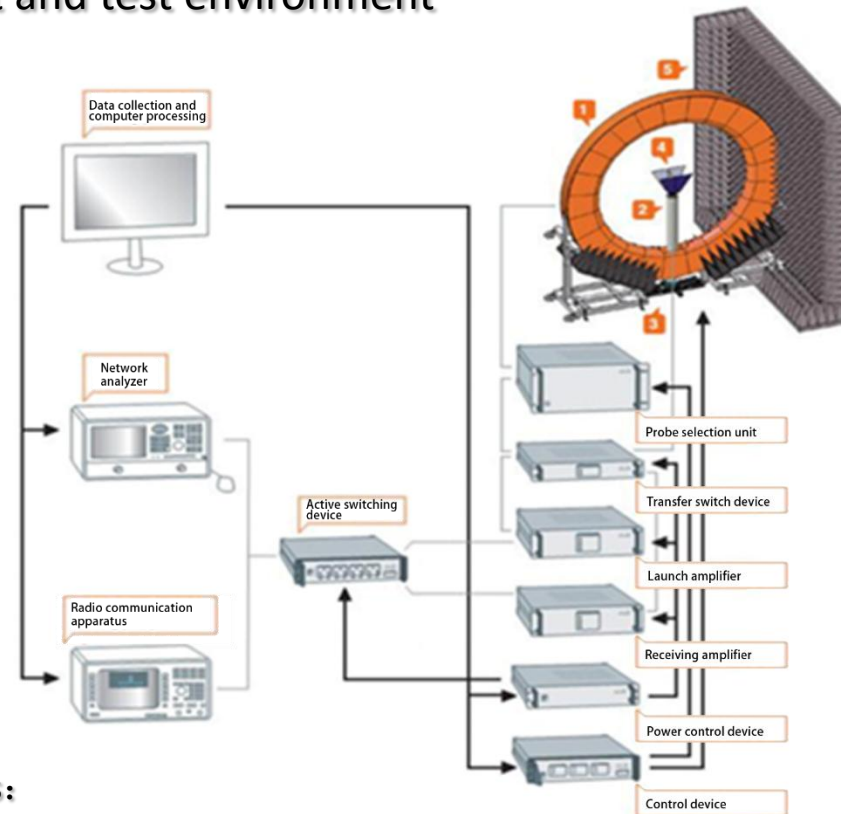


## Antenna Spec

<b>Item model</b>	On-board antenna
<b>Antenna model</b>	FS65R
<b>Manufacturer</b>	Creative Labs Pte. Ltd.
<b>Address</b>	31 International Business Park, #03-01 Singapore 609921
<b>Date</b>	2023-12-11

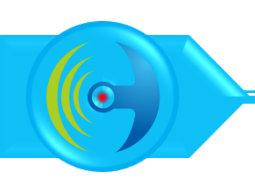


## Test equipment and test environment

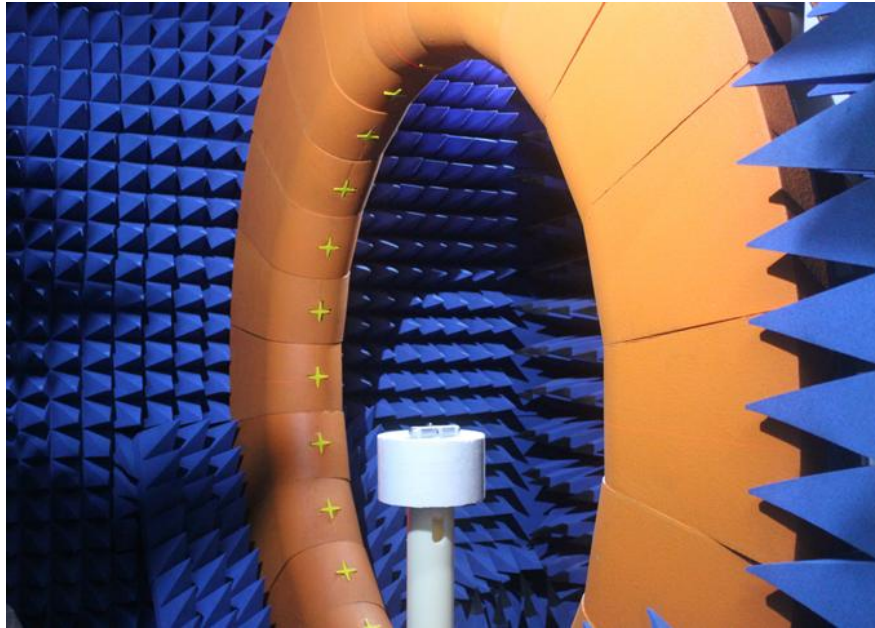


### Test Environment Conditions:

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



## Test equipment

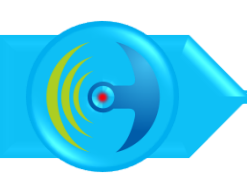


Probe microwave anechoic chamber

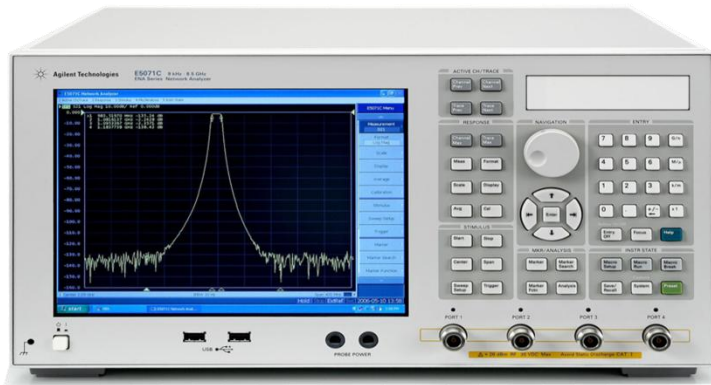
- Frequency Range : 0.4GHz-6GHz

## Main test indicators

- ◆ Passive indicators
- ◆ Gain
- ◆ effectiveness
- ◆ 3D pattern
  
- Active indicator
- TRP total radiated power
- TIS total receiving sensitivity



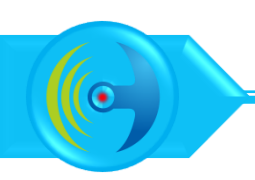
## Test equipment



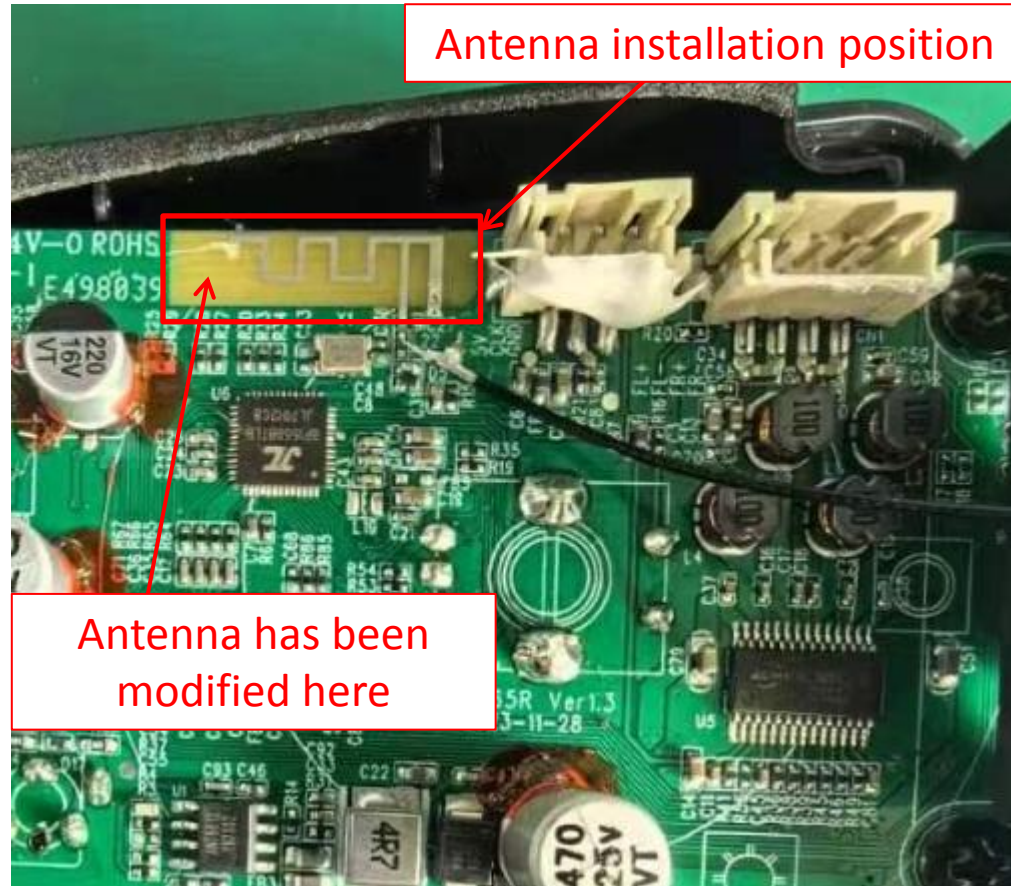
Agilent E5071C Vector network analyzer  
➤ Frequency Range : 300 kHz - 8.5GHz

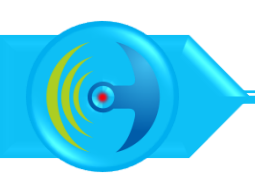


R&S CMW500 Broadband wireless communication tester  
➤ GSM/3G/4G  
➤ WIFI/ Bluetooth  
➤ NB-IoT

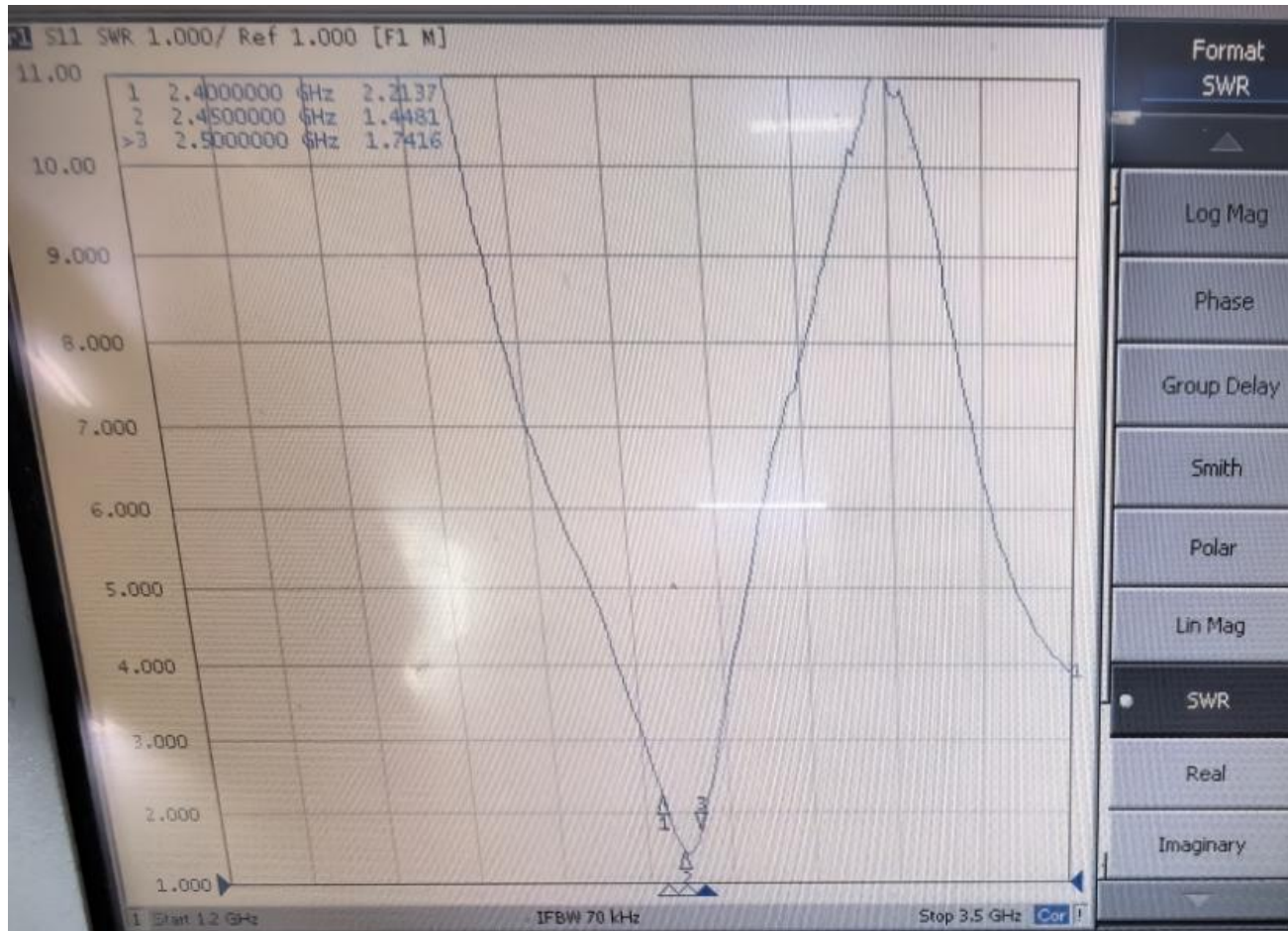


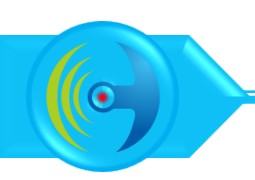
## Passive antenna data



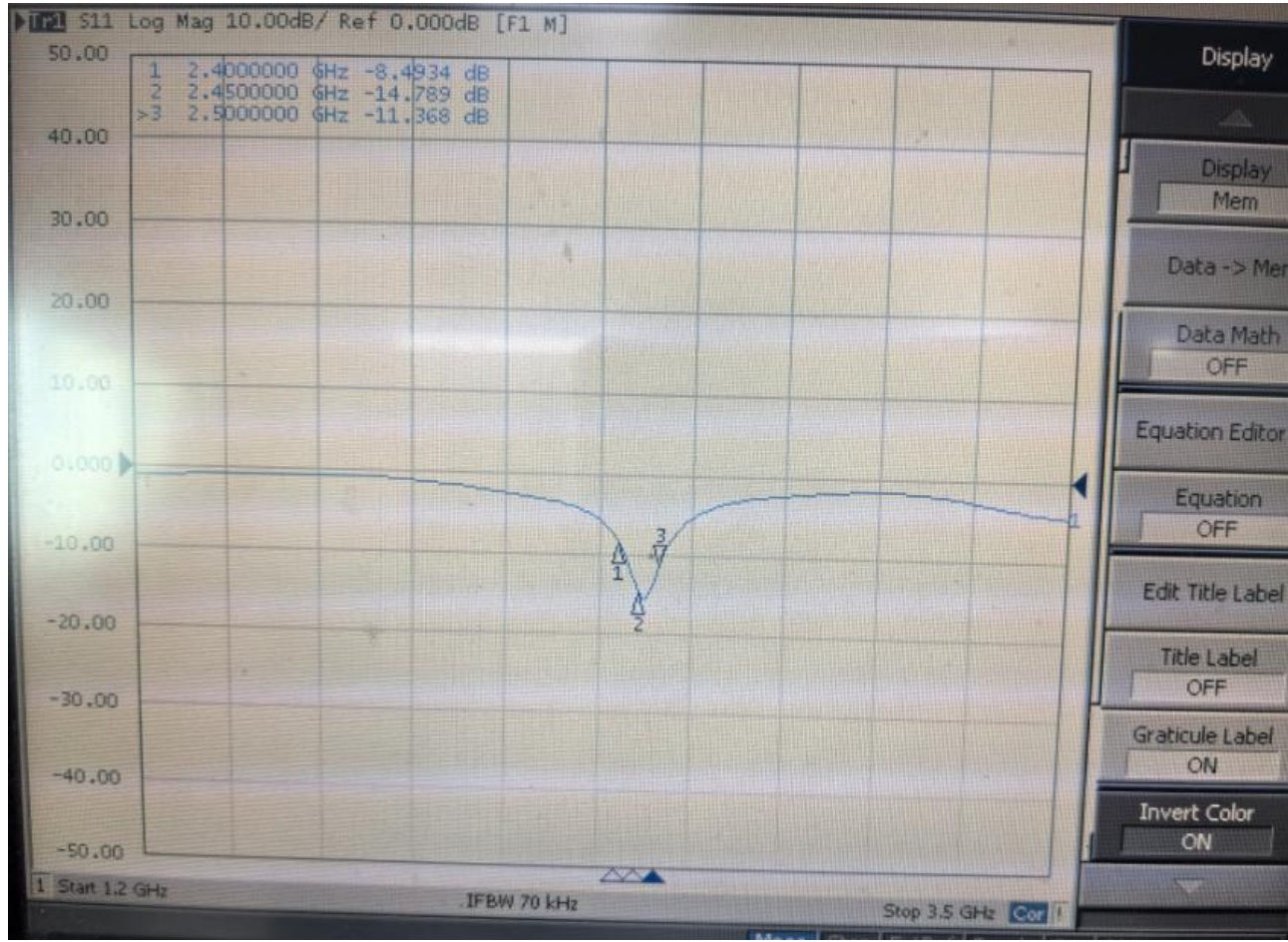


# Antenna SWR

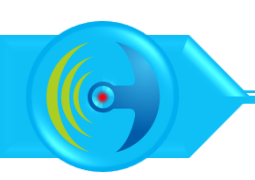




# Antenna Return loss





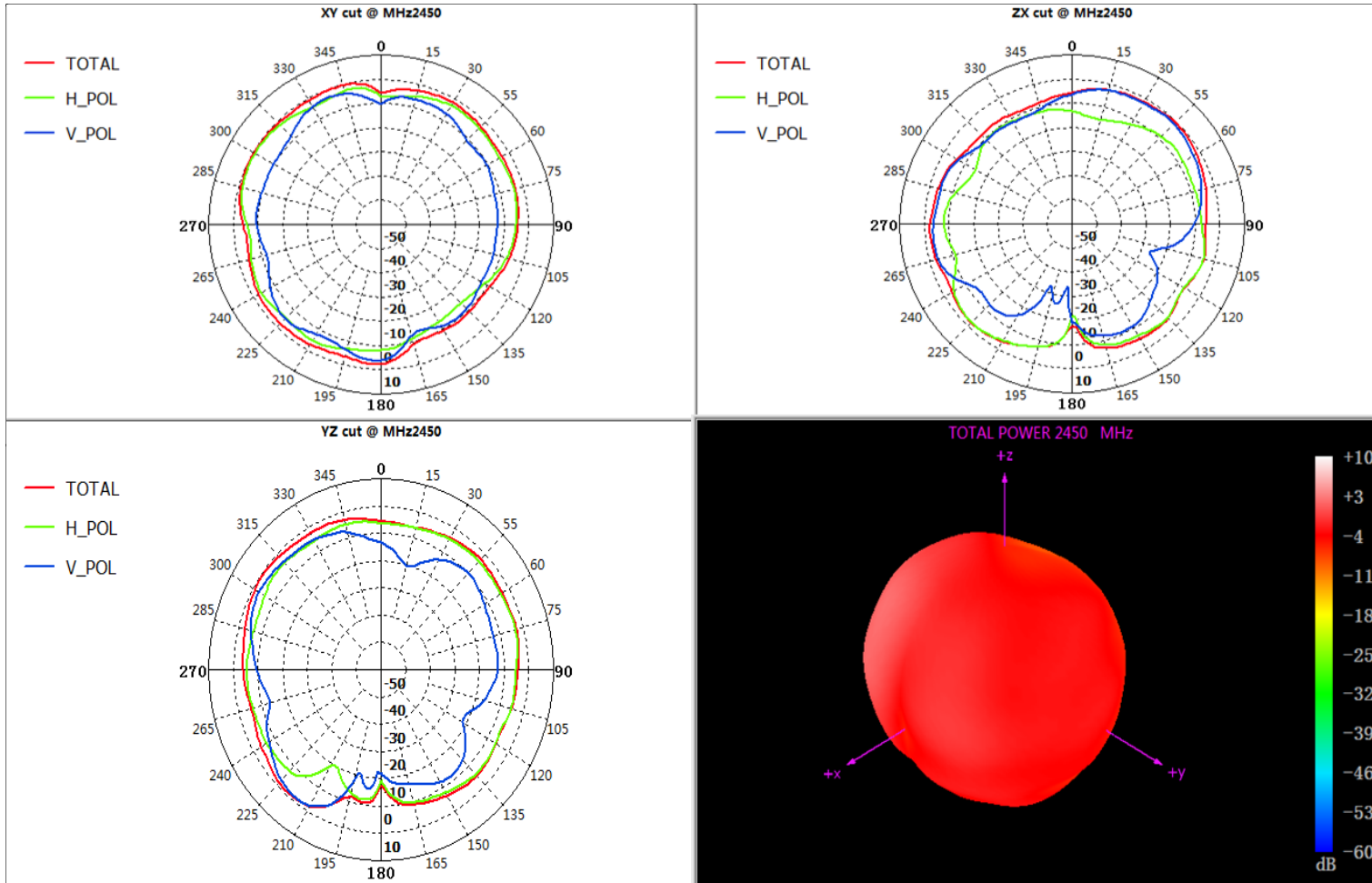


## Antenna gain and efficiency

Antenna		
Freq(MHz)	Efficiency (%)	Gain(dBi)
2400 MHz	45.47	1.79
2410 MHz	43.7	1.6
2420 MHz	45.23	1.81
2430 MHz	45.77	1.71
2440 MHz	47.53	1.94
2450 MHz	46.81	2.34
2460 MHz	47.48	2.27
2470 MHz	47.69	2.38
2480 MHz	46.82	2.32
2490 MHz	46.95	2.21
2500 MHz	46.34	2.03



# Antenna Radiation Pattern



# Thanks for your support !

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