

BEEBEST 3Pro BlueTooth Antenna Reports

1, test system



Passive testing:

Gain, efficiency, 2/3D direction diagram, aspect ratio, beam width, maximum beam pointing (antenna tilt), etc

Back-to-back comparison, roundness, ECC, phase center, etc

Active testing:

Support TRP, TIS, EIRP and EIS tests for the whole machine

*2G/3G/4G(GSM\CDMA2000\WCDMA\TD-SCDMA\LTE-TDD\LTE-FDD)

*5G(Sub 6GHz) *WIFI(802.11 WIFI b/g/n/a)/BT

*GPS\BEIDOU\GLONASS

*NB-IoT、eMTC、LORA、Zigbee

*4X4MIMO, throughput test, support WIFI, 4G,4G+, 5G

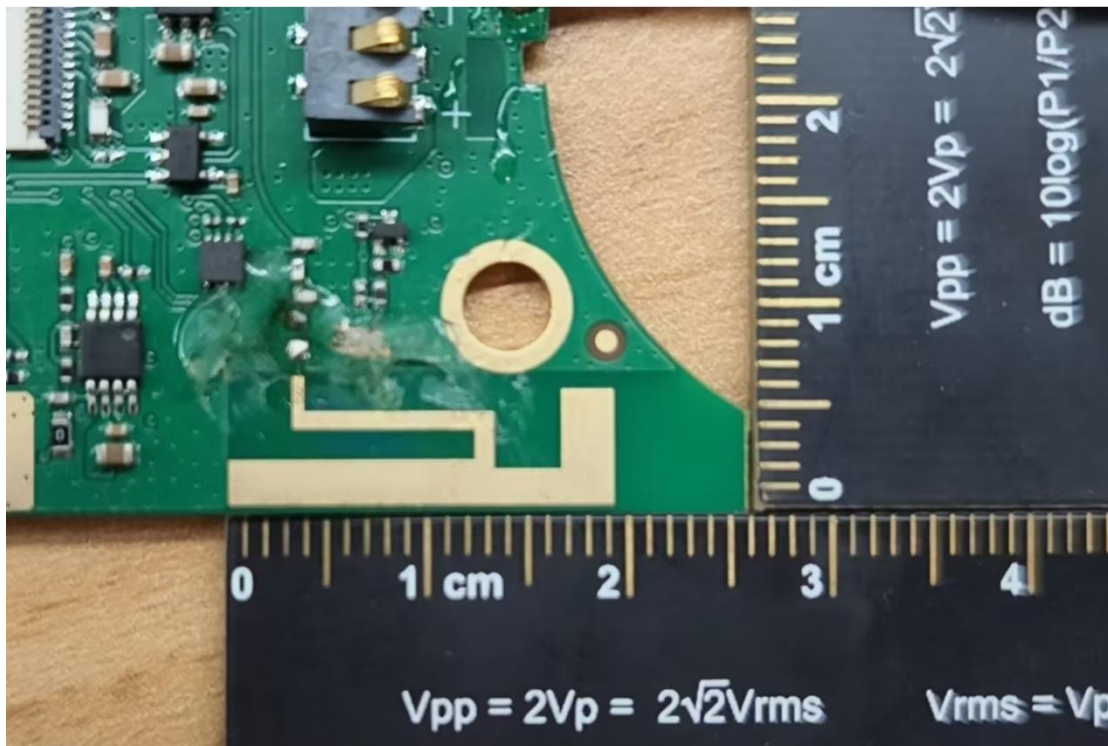


2, debug system



serial number	Test instrument
S11 parameters	Agilent 5071B
OTA testing	Agilent 5071B & CMW500 & Agilent 8960
Gain efficiency	Agilent 5071B

3, Antenna informations



Antenna frequency range: 2400~2483.5MHz

Antenna Area:19*7mm²

Antenna Type : Pifa

Antenna material : PCB

Antenna manufacturer name: Hubei Longteng Electronic Technology Co.,Ltd

Antenna manufacturer address:xiaochang,hubei,China

4,passive gain and efficiency

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	3.54	56.34
2	2410.0	3.24	52.83
3	2420.0	2.96	50.45
4	2430.0	3.18	54.91
5	2440.0	2.79	51.58
6	2450.0	3.02	55.76
7	2460.0	2.56	51.41
8	2470.0	2.08	46.58
9	2480.0	2.59	53.98
10	2490.0	1.37	43.21
11	2500.0	1.90	48.67

5,3D direction diagram

