

Antenna Test Report



Antenna Information:

- a. Antenna type: PiFa onboard antenna
- b. Antenna specification: Onboard snake antenna
- c. Antenna manufacturer company:

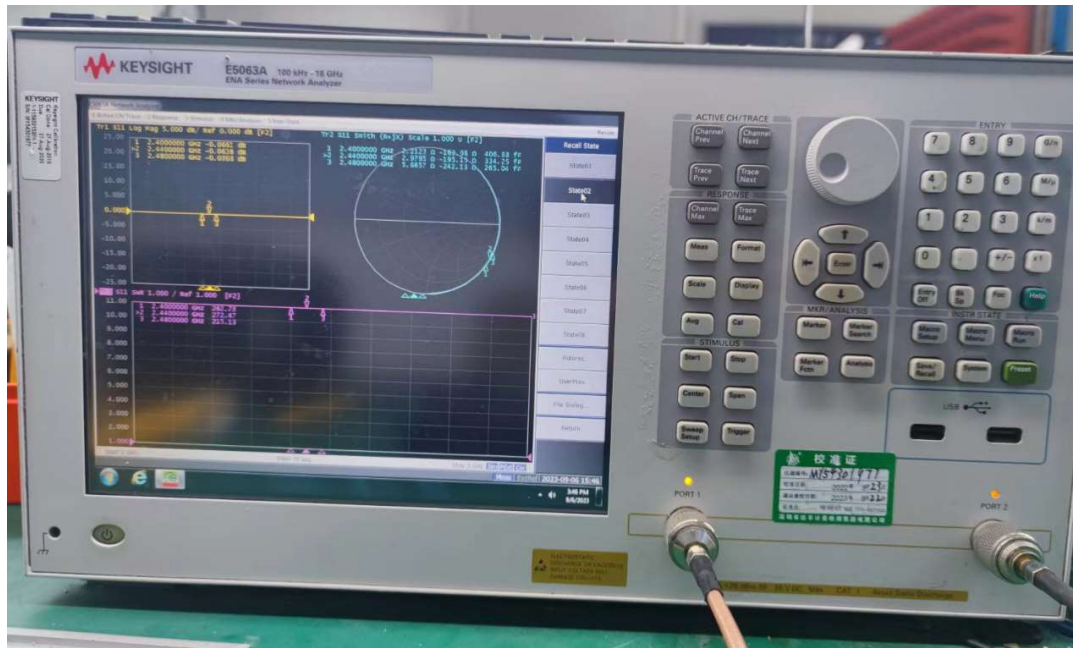
GUANGDONG TAKSTAR ELECTRONIC CO., LTD.



音浪好声音

TAUSTAR® 得胜

Equipment

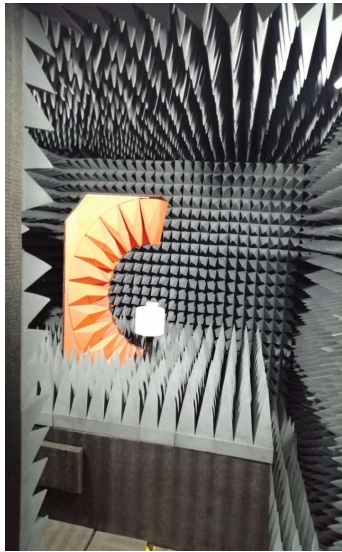


1. Equipment :
Keysight E5063A Network Analyzer
2. Calibration Date: 2022/8/23
3. Test Date: 2023/05/10
4. Names of test personnel : Lugengyun
5. Names of test software :
ETS-Lindgren EM- Quest 1.16

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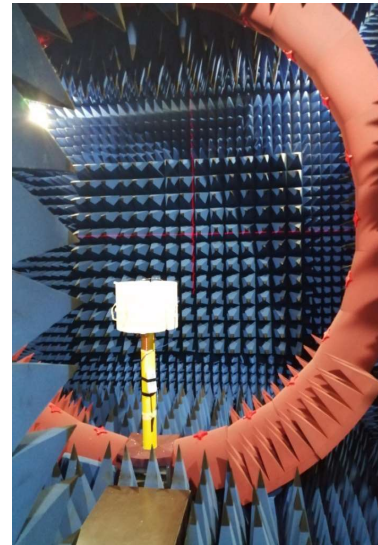
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Test Chamber



The manufacturer of Chamber:
MVG

Spec: 3*3*2.5 chamber



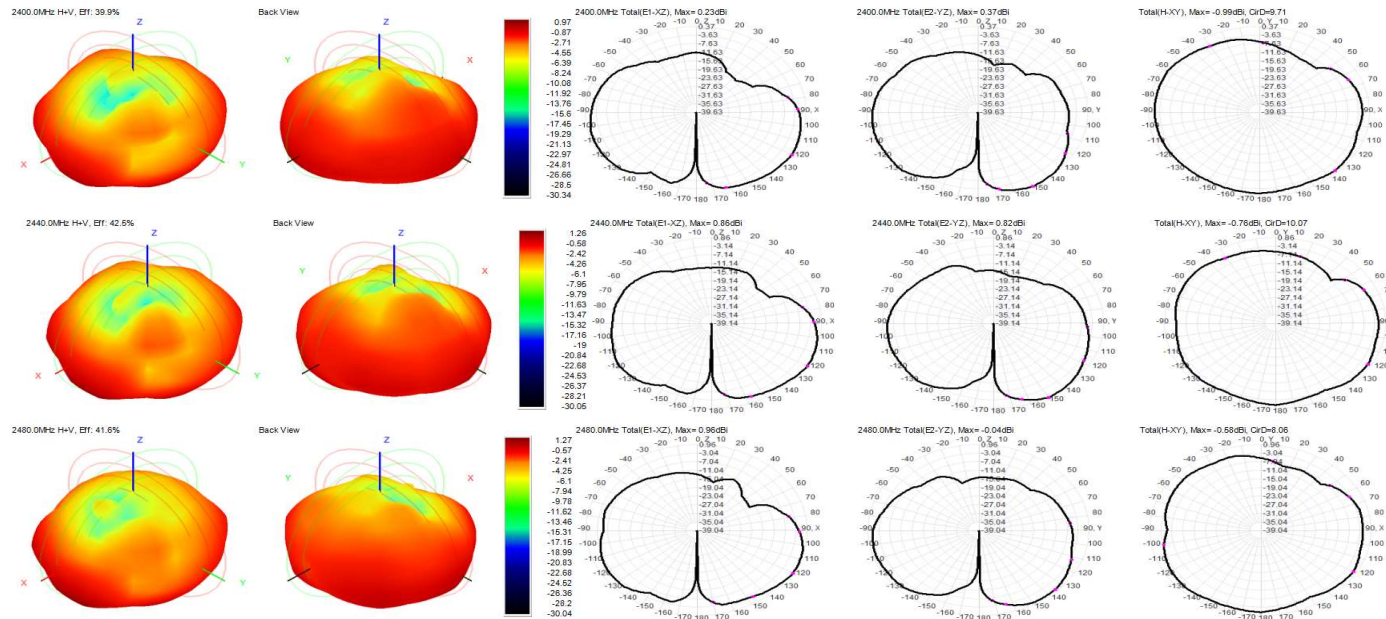
The manufacturer of Chamber:
FEITUKEJI

Spec: 4*4*3.5 chamber

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Headset Antenna:

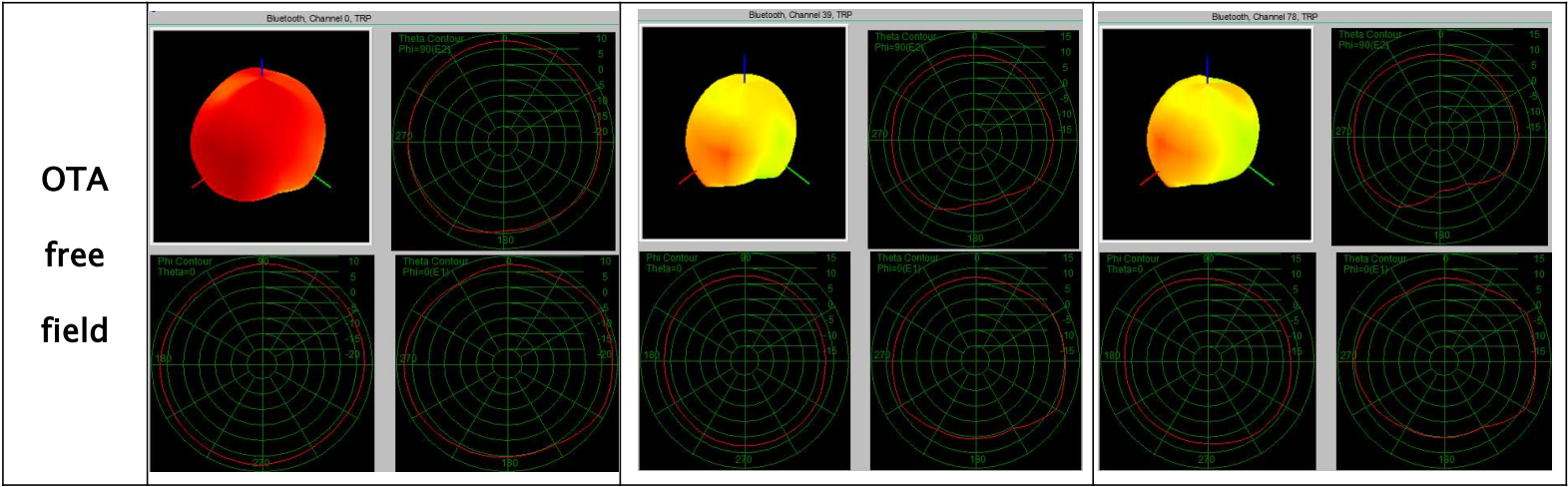
PiFi Antenna, Free space Passive AppleField graph, Antenna efficiency and gain



PCB Antenna passive Free state		
Frequency point(MHz)	Gain (dBi)	Efficiency (%)
Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	0.97	40.10
2410	1.07	41.40
2420	1.1	41.70
2430	1.15	42.50
2440	1.26	42.70
2450	1.43	42.90
2460	1.59	42.90
2470	1.48	42.40
2480	1.27	41.80
2490	1.03	40.90
2500	0.76	39.10



PiFi Antenna, Apple Passive graph, Antenna efficiency and gain

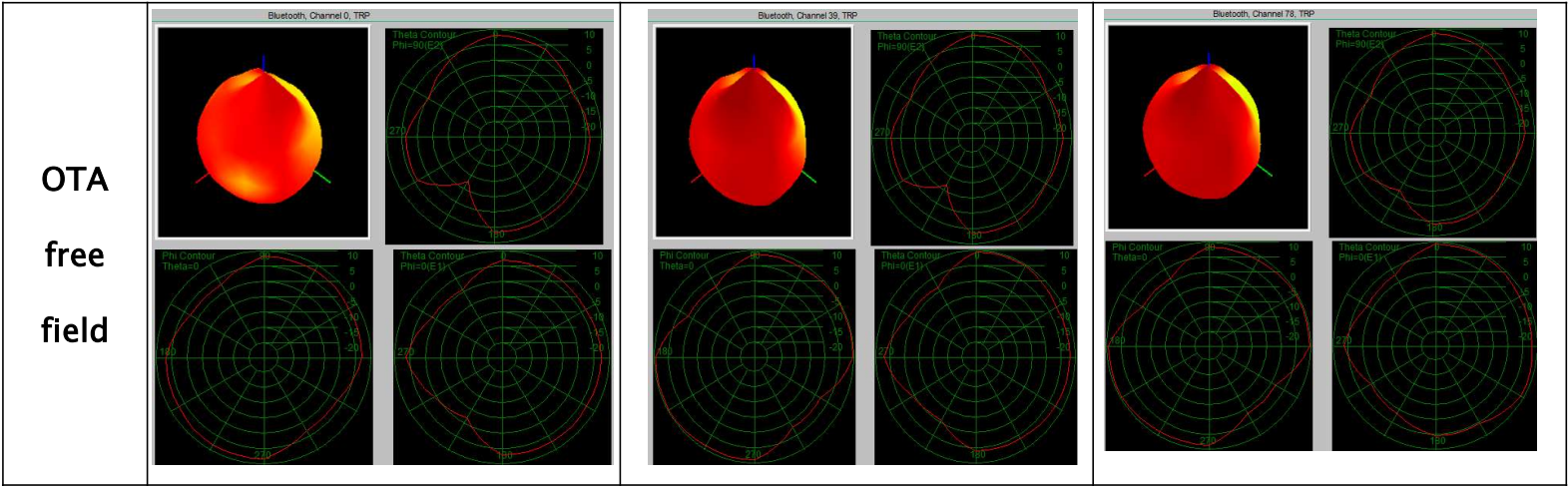


PCB Antenna OTA free field	
Channel	TRP/TIS(dBm)
BlueTh-0000-TX	6.28
BlueTh-0039-TX	7.44
BlueTh-0078-TX	7.46
BlueTh-0000-RX	-93.49
BlueTh-0039-RX	-92.53
BlueTh-0078-RX	-92.22





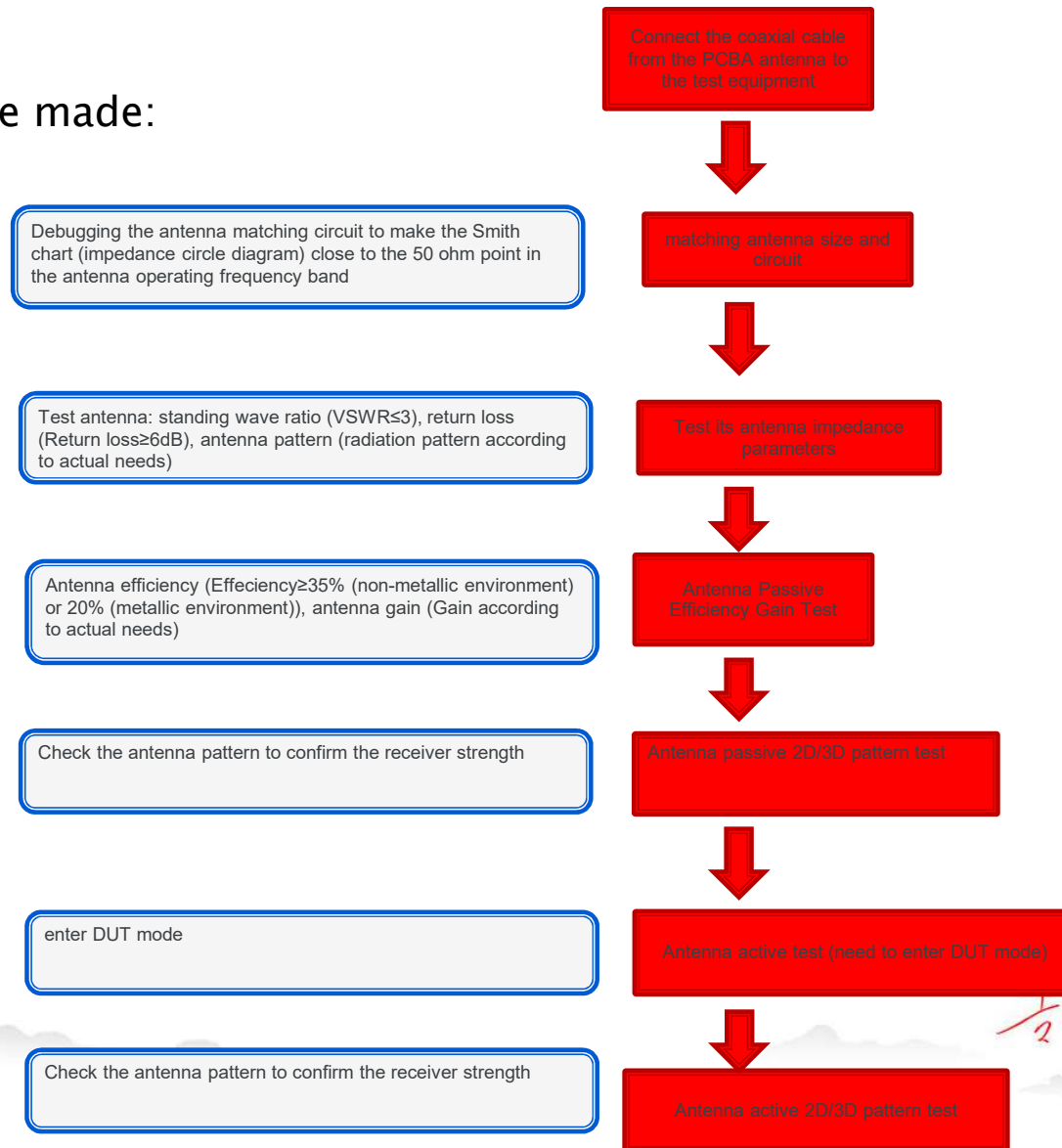
PiFi Antenna, Active Apple Field graph, Antenna efficiency and gain



PCB Antenna OTA headform	
Channel	TRP/TIS(dBm)
BlueTh-0000-TX	4.62
BlueTh-0039-TX	5.28
BlueTh-0078-TX	5.26
BlueTh-0000-RX	-91.30
BlueTh-0039-RX	-90.84
BlueTh-0078-RX	-90.65



Description of how measurements are made:



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