



Test report of Shenzhen Xinhengyang Technology Co., LTD



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ShenZhen XinHengYang Technology co.,Ltd



Xinhengyang antenna test data report

Customer name		Revenge	Project name		WS-70T
UR	Project		Xiang shu		
1	Frequency range		909MHZ-924MHZ		
2	Project type		Wireless audio transmission		
3	Terminal		/		
4	Feed point type		Plug-in components		
5	Wire length		/		
6	Antenna type		monopole		
7	Antenna material		Spring		
8	Remarks				
RF	Zhang Qun		13620917290	gc@xhy-2008.com	

catalogue

I. Introduction to the test dark room

2. Picture of the machine table

3. Assembly of the antenna

Iv. Matching and debugging

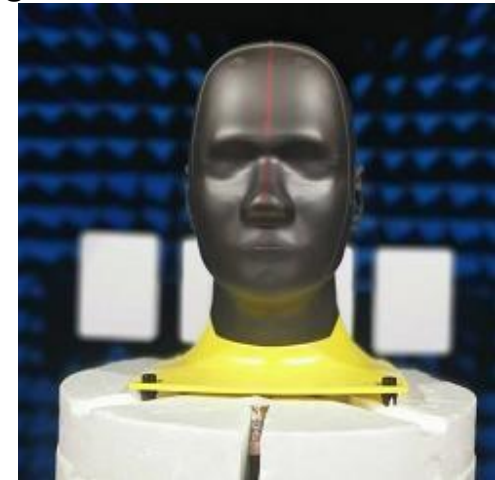
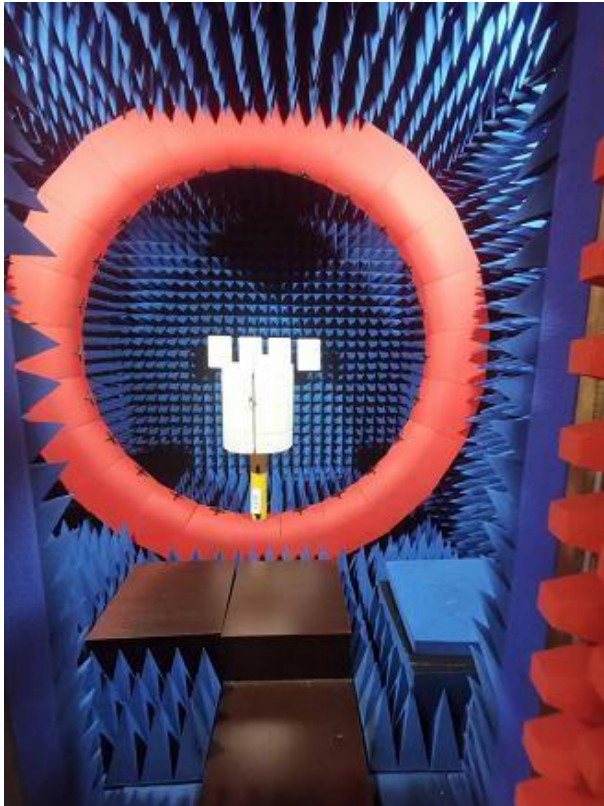
V. passive standing wave map

6. Passive field type diagram

7. passive efficiency & gain

I. Introduction to the test dark room

- 1.Active test: Support 2.3.4.5G standard multi-mode measurement NB-IoT, eMTC, CAT-1, Bluetooth1-5, WIFI802.11 abgn, with measurable TRP TIS
- 2.Passive test: testable gain, efficiency
- 3.TWS headphones test the full head model



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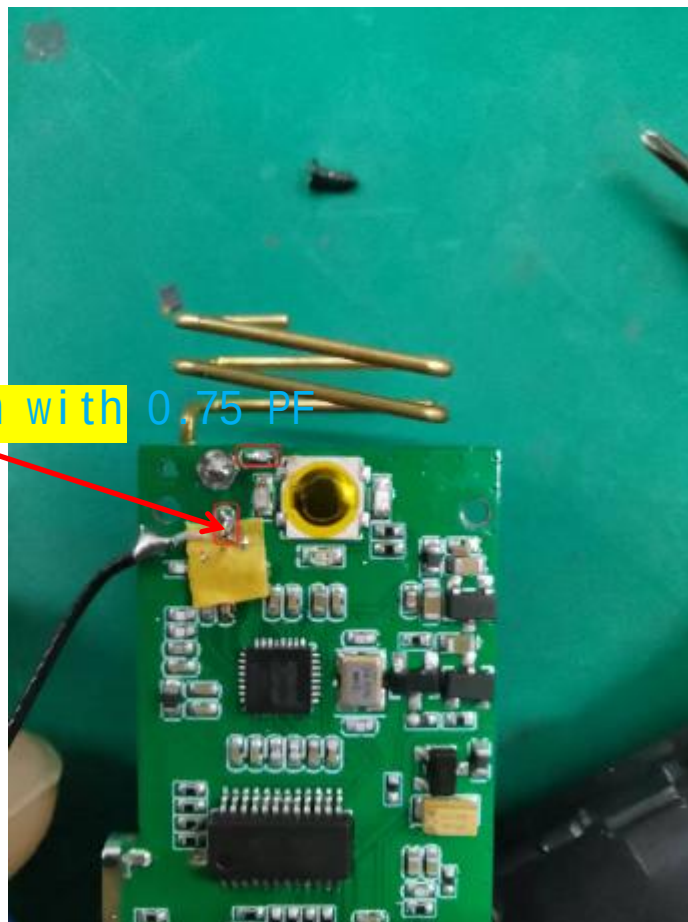
2. Picture of the machine table



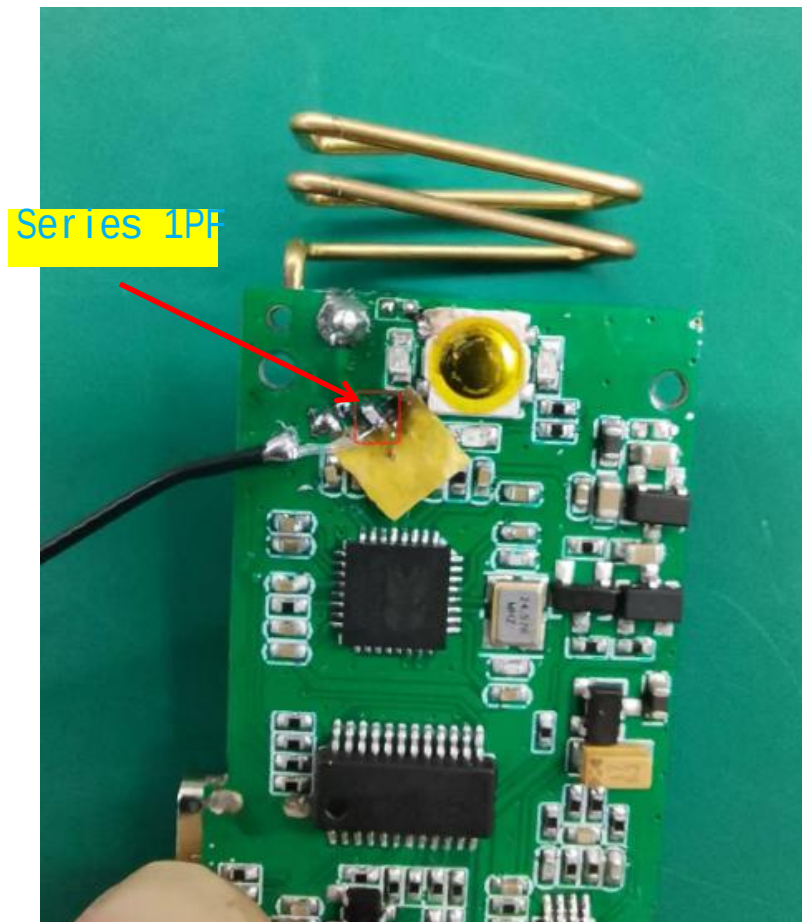
TX

RX

3. Matching and debugging



TX



RX

IV. Assembly of the antenna

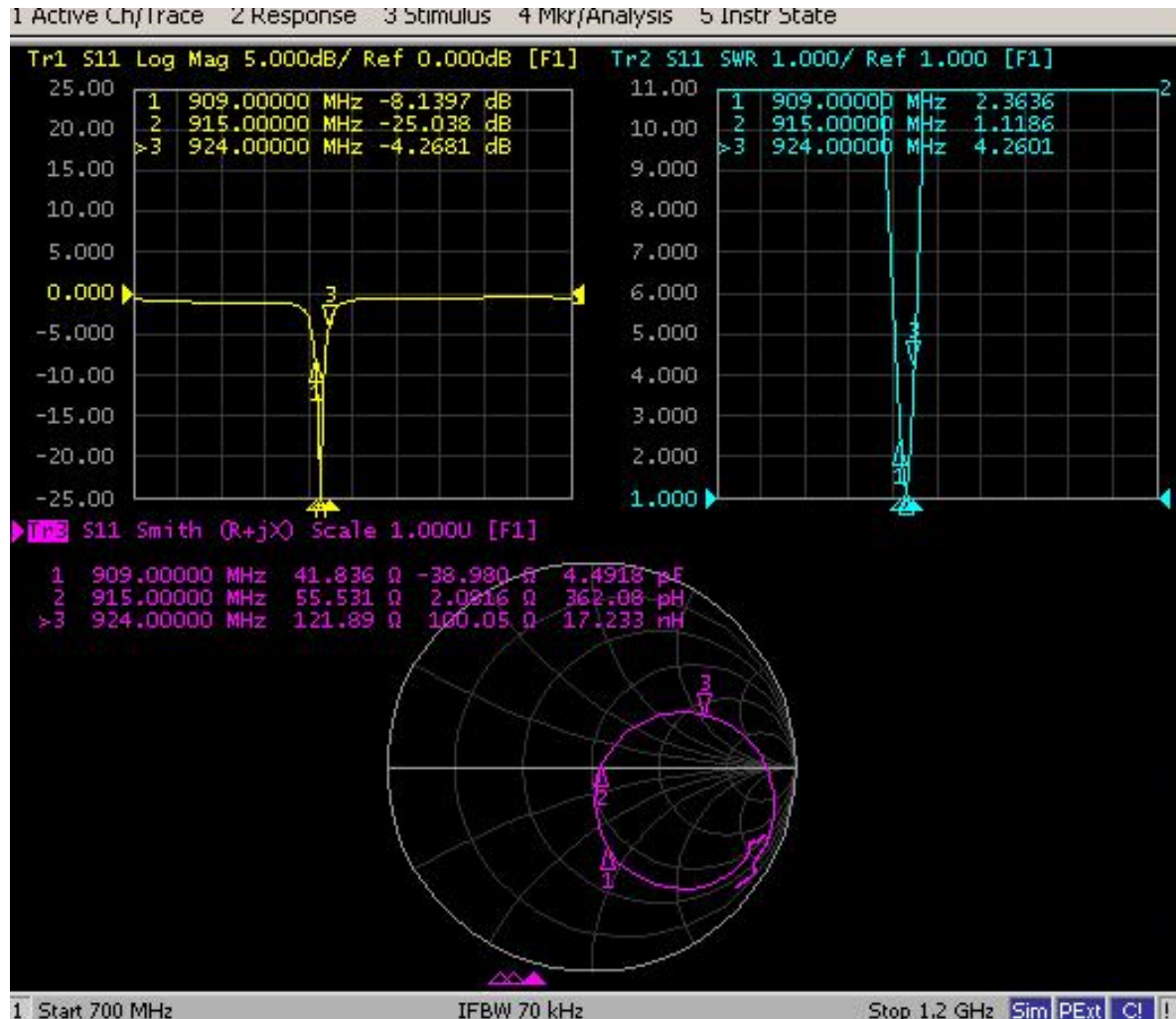


TX and RX share one antenna

LTD

V_{map} passive standing wave

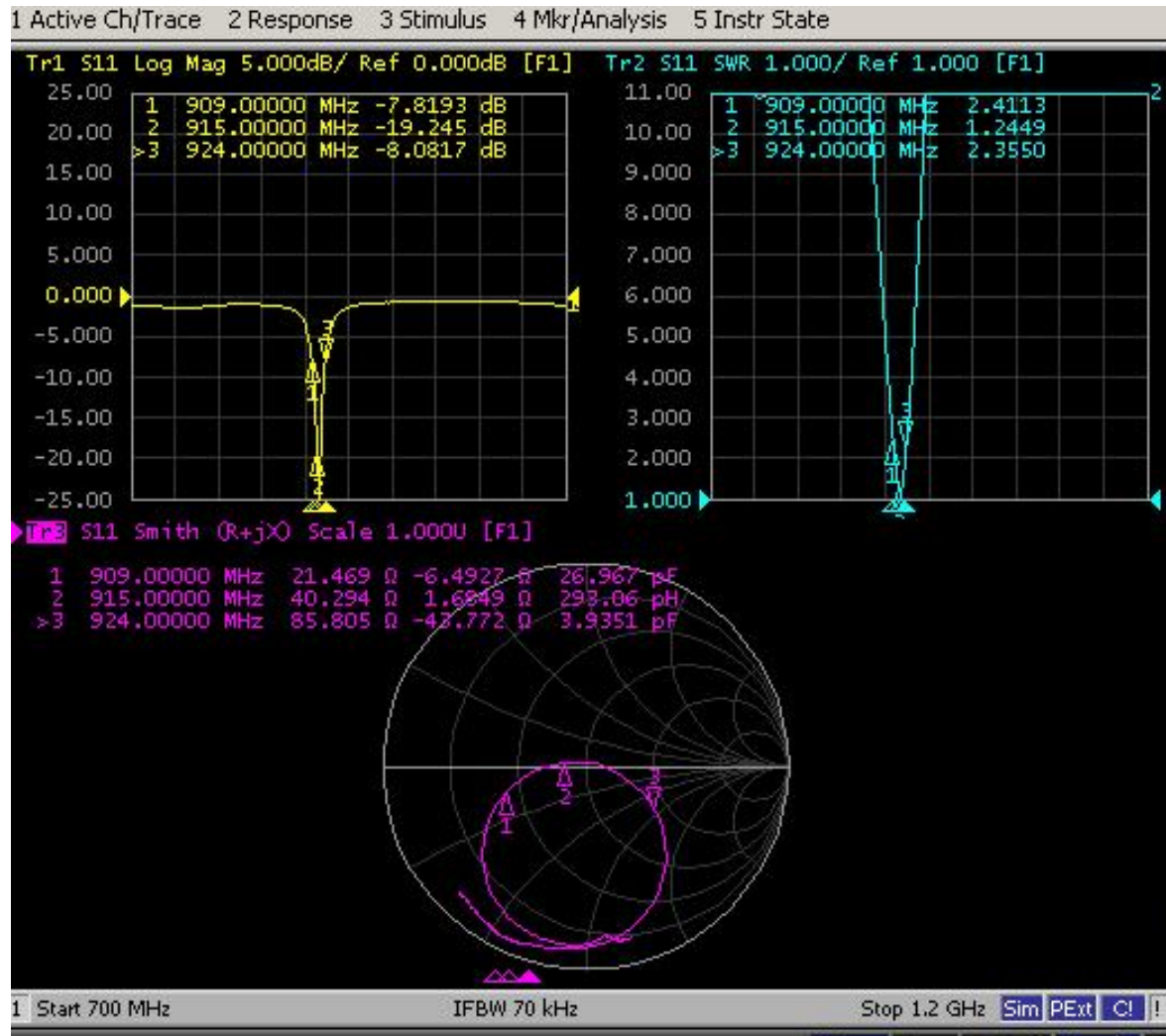
TX



LTD

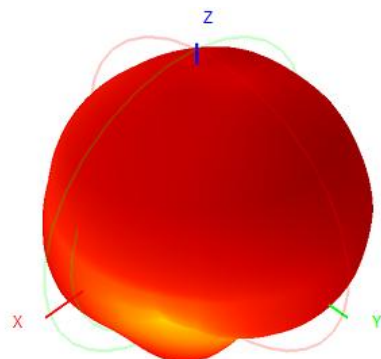
V_{map} passive standing wave

RX

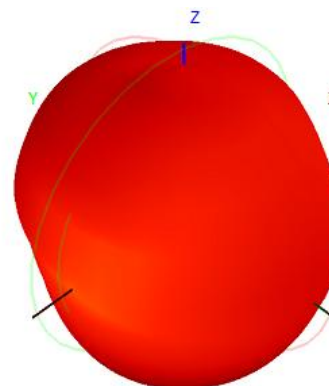
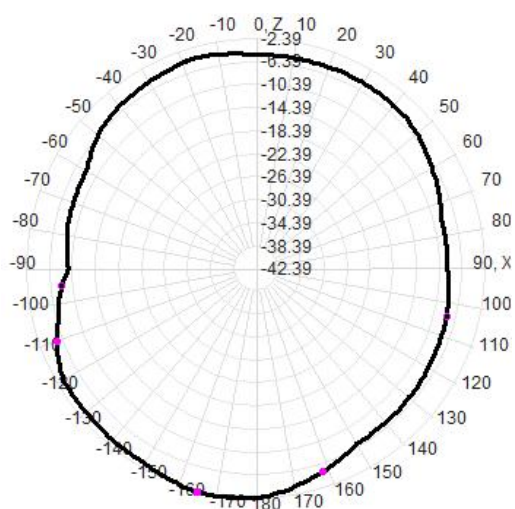


6. Passive field type diagram

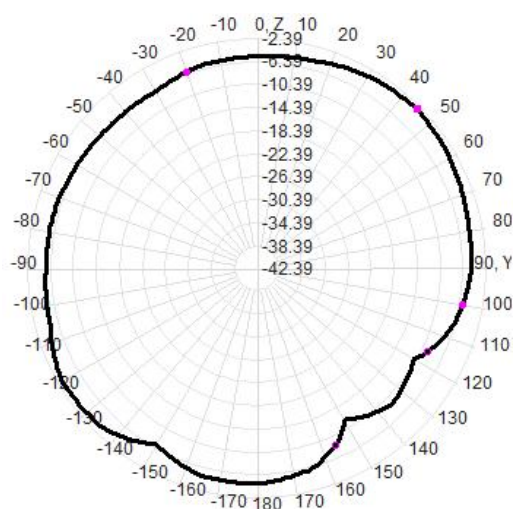
TX-909MHZ-924MHZ



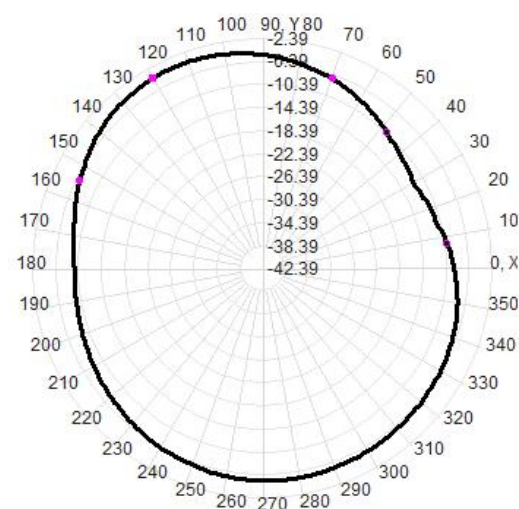
E1(xz)



E2(yz)

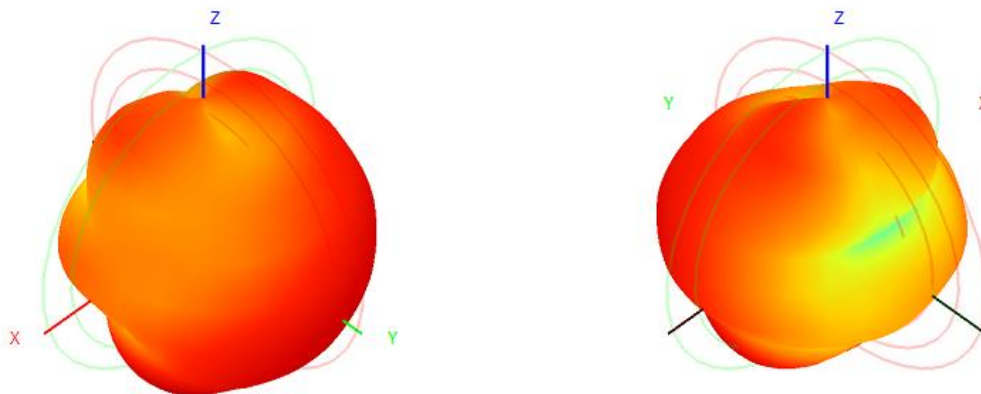


H(xy)

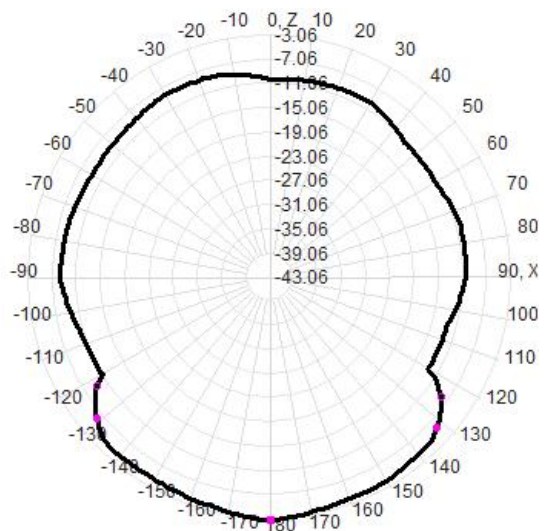


6. Passive field type diagram

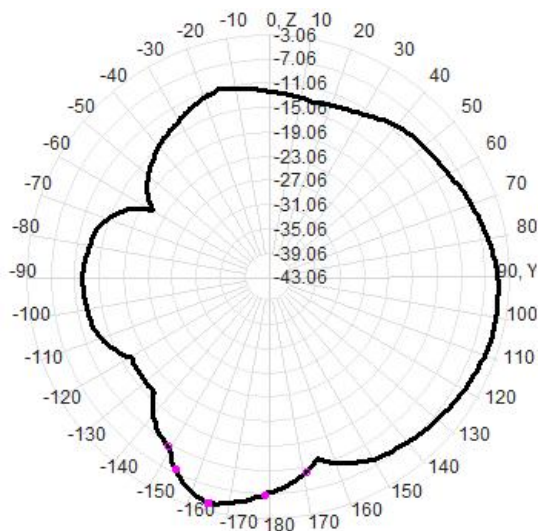
RX-909MHZ-924MHZ



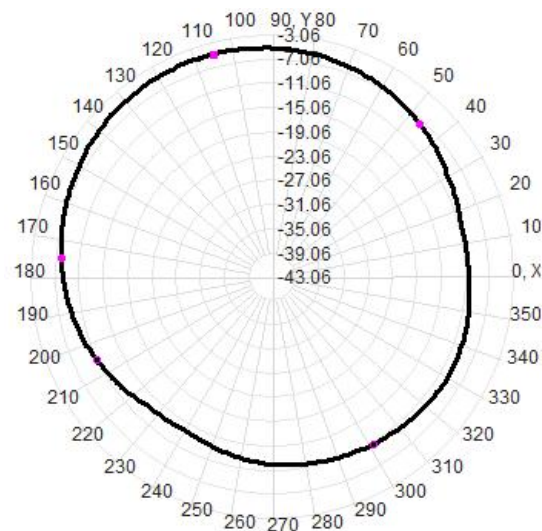
E1(xz)



E2(yz)



H(xy)



VII. Passive efficiency & maximum gain

560MHZ-590MHZ					
TX			RX		
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
909	20.52	-3.41	909	12.01	-3.13
911	22.70	-2.99	911	13.01	-2.83
913	24.57	-2.64	913	14.04	-2.52
915	25.81	-2.40	915	15.11	-2.16
917	25.92	-2.39	917	16.01	-1.90
919	24.75	-2.58	919	16.70	-1.68
921	22.51	-2.99	921	17.10	-1.55
923	19.65	-3.56	923	17.13	-1.52
924	18.16	-3.91	924	17.00	-1.55

thanks

If you have any questions, please contact them by

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