

Product specification

Customer name: Shenzhenshi MEI SHI FU Technology Co., Ltd

Customer model: (BTH27)-IBT39-V1.4

date : 2025.03.20

approval: Wu Gensheng

Customer confirmation			
character	research and development	purchase	approval

请回签一份承认书给我司，谢谢！

类型： ☐ 样板 ☒ 首批量 ☒ 大批量

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Shenzhenshi MEI SHI FU Technology Co., Ltd

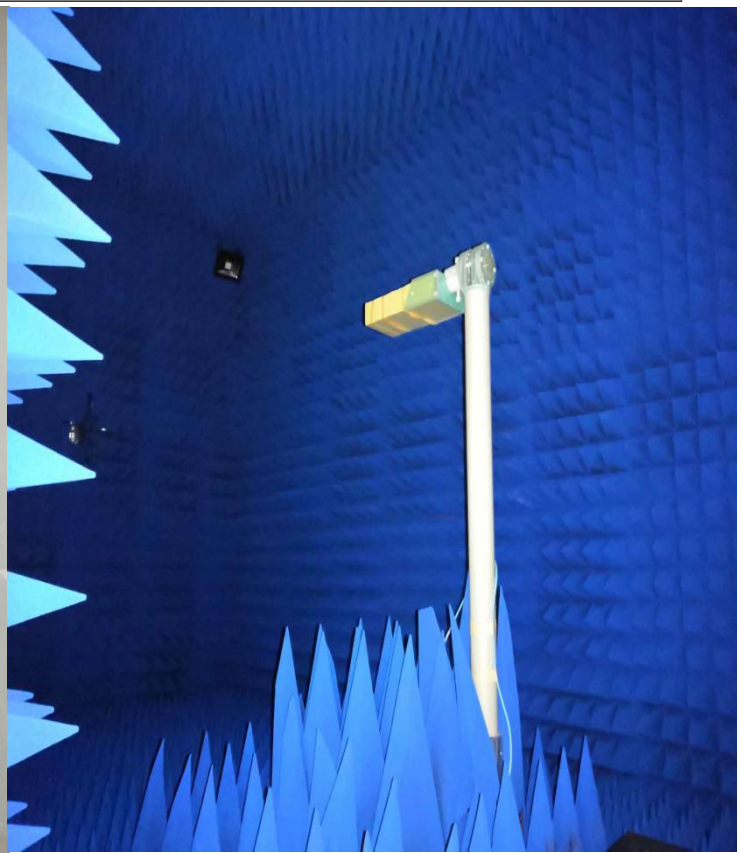
catalogue

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1. testing aids

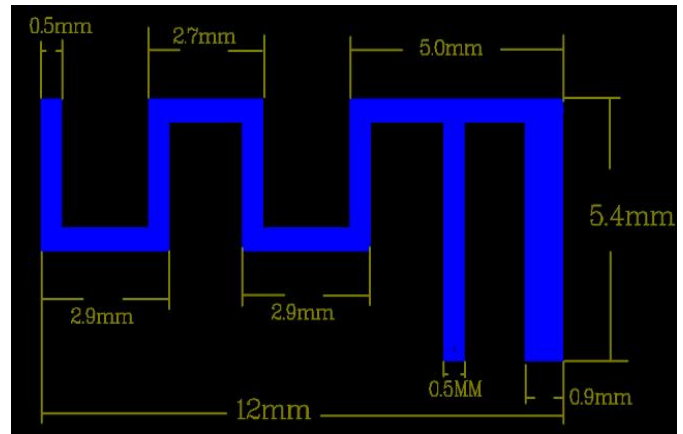
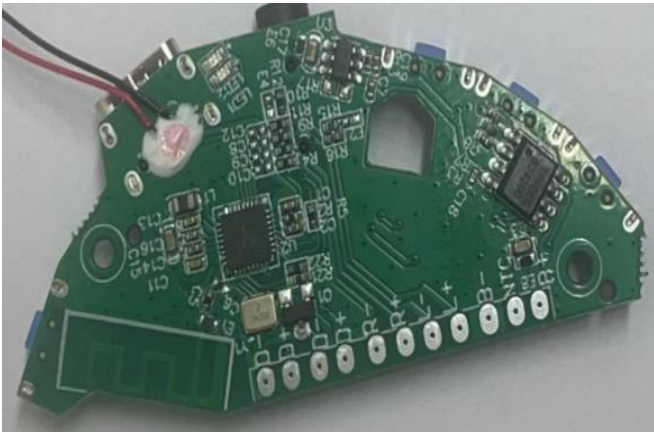
Comprehensive measuring instrument	Agilent Technologies E5071B & R&S CMW500
darkroom	Atenlab M3
Quality Testing Engineer	Liu ChaoFan
temperature	25℃
humidity	65% (RH)



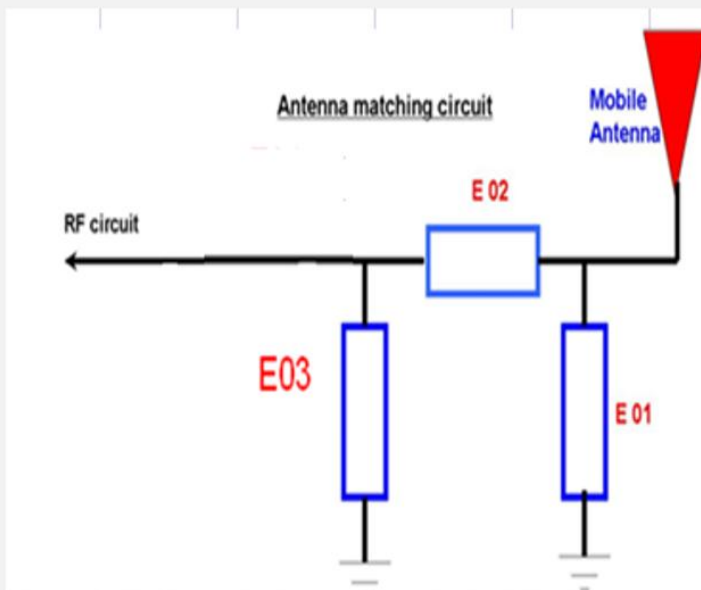
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Shenzhenshi MEI SHI FU Technology Co., Ltd

Antenna manufacturer:	Shenzhen Beauty Master Technology Co., LTD
Manufacturer address:	218, Huichao Building, Yintian Industrial Zone, Yantian Community, Xixiang Street, Baoan District, Baoan District, Shenzhen, Guangdong
Complete machine type:	IBT-39-V1.4
Antenna band:	2400MHZ 2485MHZ
Antenna form:	On-board inverted F antenna
Feeding power form:	double-fed
Feed the number of feet:	Feed point + feed site
Main board number:	IBT-39-V1.4
antenna gain :	1.36 dbi
Antenna model:	IBT-Banz-DF04

Antenna information



匹配电路图：



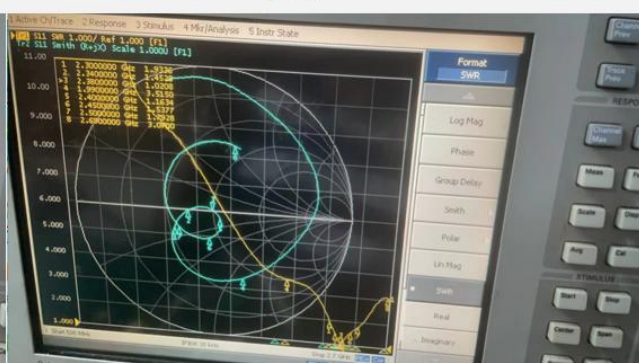
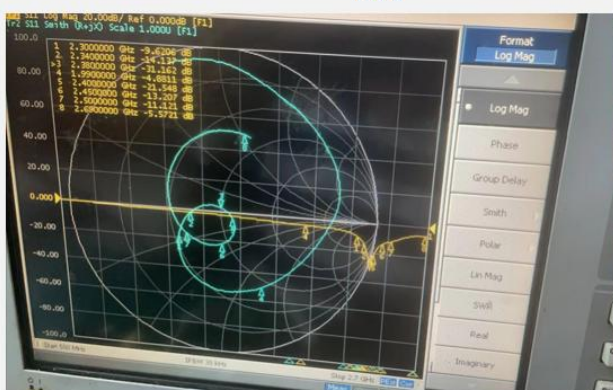
E01	NC
E02	OR
E03	NC

天线回波损耗及驻波比

Li Tongchuang ANT S11 parameter Summary				
Band	2400-2500 (MHz)			
	2400	2450	2500	
R. L (dB)	-21.5	-13.2	-11.2	
VSWR	1.2	1.5	1.8	

LOG

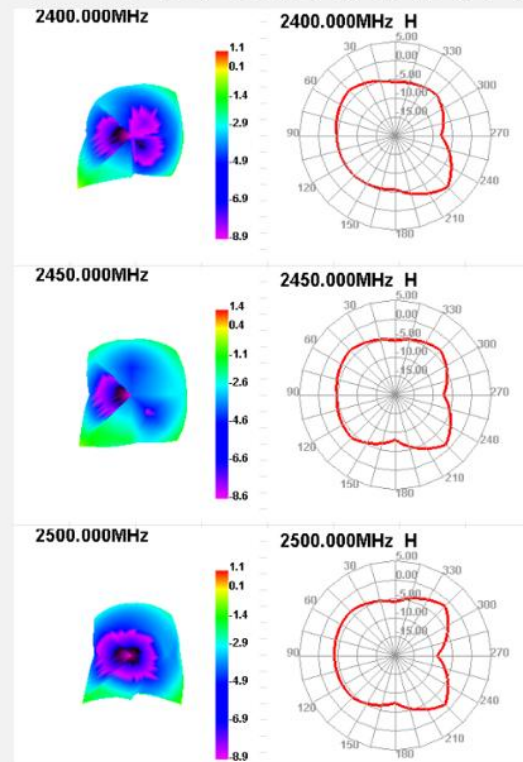
VSWR



4. Gain efficiency

头戴蓝牙耳机自由空间无源测试数据

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	37.91	-4.21	1.05	-1.1
2410	38.12	-4.19	1.1	-1.05
2420	36.98	-4.32	1.02	-1.13
2430	34.58	-4.61	0.83	-1.32
2440	37.07	-4.31	1.18	-0.97
2450	38.83	-4.11	1.36	-0.79
2460	36.56	-4.37	1.07	-1.08
2470	36.01	-4.44	0.93	-1.22
2480	39.62	-4.02	1.31	-0.84
2490	40.67	-3.91	1.32	-0.83
2500	39.48	-4.04	1.11	-1.04



7. engineering drawing

