

深圳市和鸣微科技有限公司

Shenzhen HamyWe Technology Co., Ltd.

WBT1032麦克风天线调试数据

WBT1032 Microphone Antenna Debug Data

版本V1
Version V1

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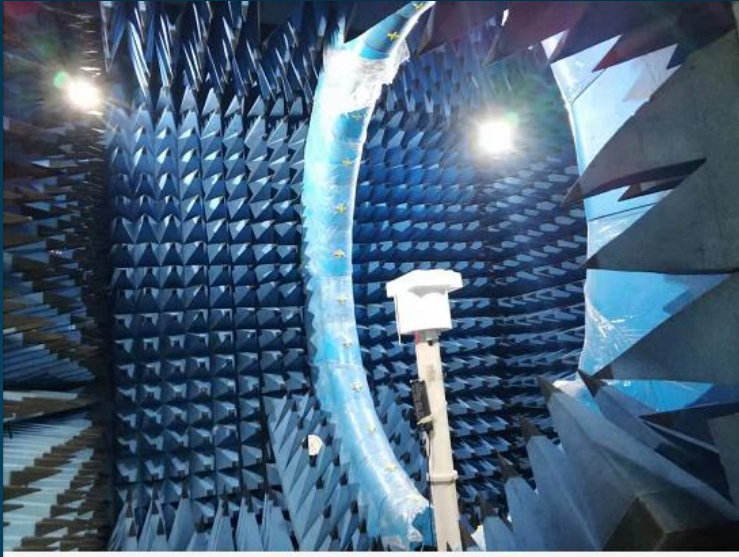
日 期：2023.08.10

Date: 2023.08.10



测试设备

SG24



GTS



Agilent 8960



CMW 500



SP9500



Agilent E5071B

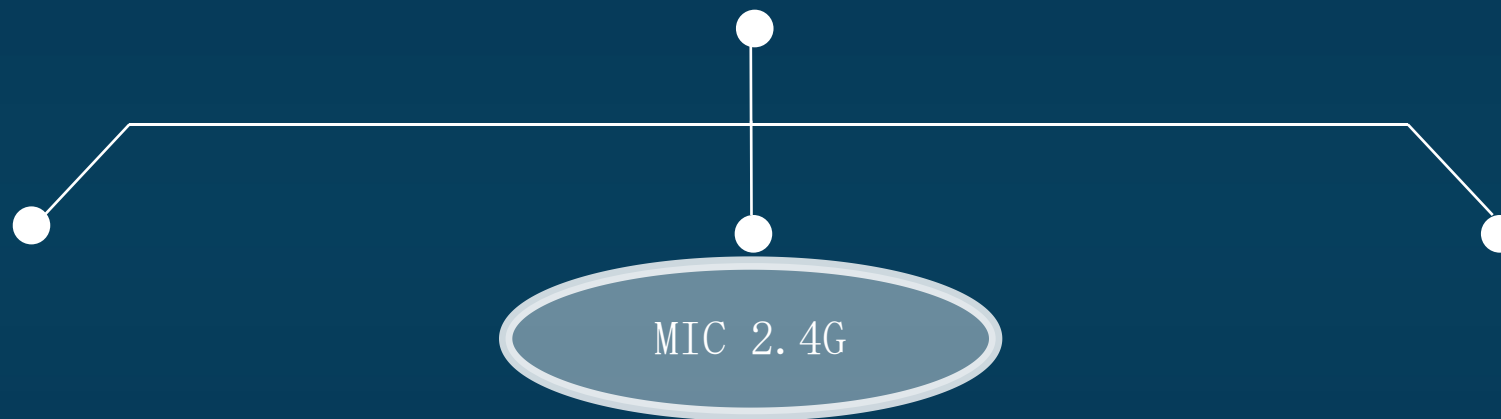
测试系统 System Testing	测试环境 Testing Environment	有源测试 Active Testing	无源测试 Passive Testing
SG24 GTS	温度: $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$ 湿度: $50\% \pm 15\%$	支持5G/4G/3G/2G 支持BT/WIFI/GPS	600MHZ——6G

WBT1032

[illegible]

项目说明

Project Description



天线型号:MIC - ANT6
Antenna type:MIC - ANT6

机器类型:麦克风
Machine type:Microphone

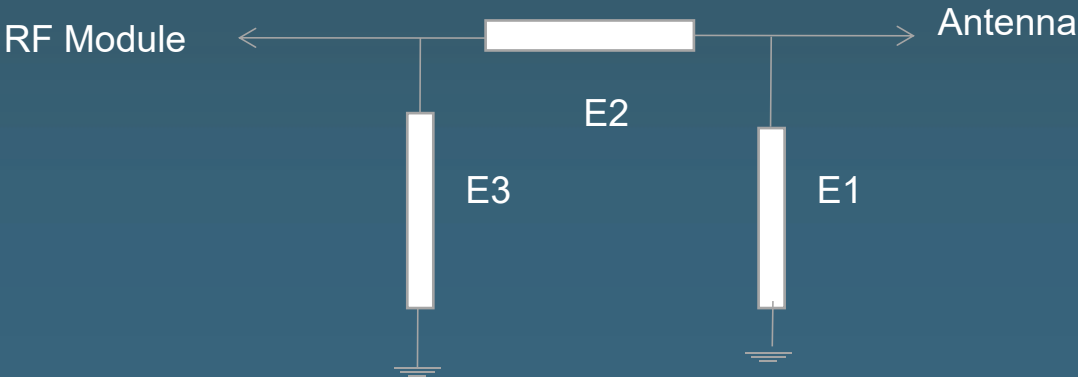
天线形式: PCBA板载天线
Antenna type:PCBA on-board antenna

匹配改动: 无
Match change: None

麦克风天线匹配电路

Microphone antenna matching circuit

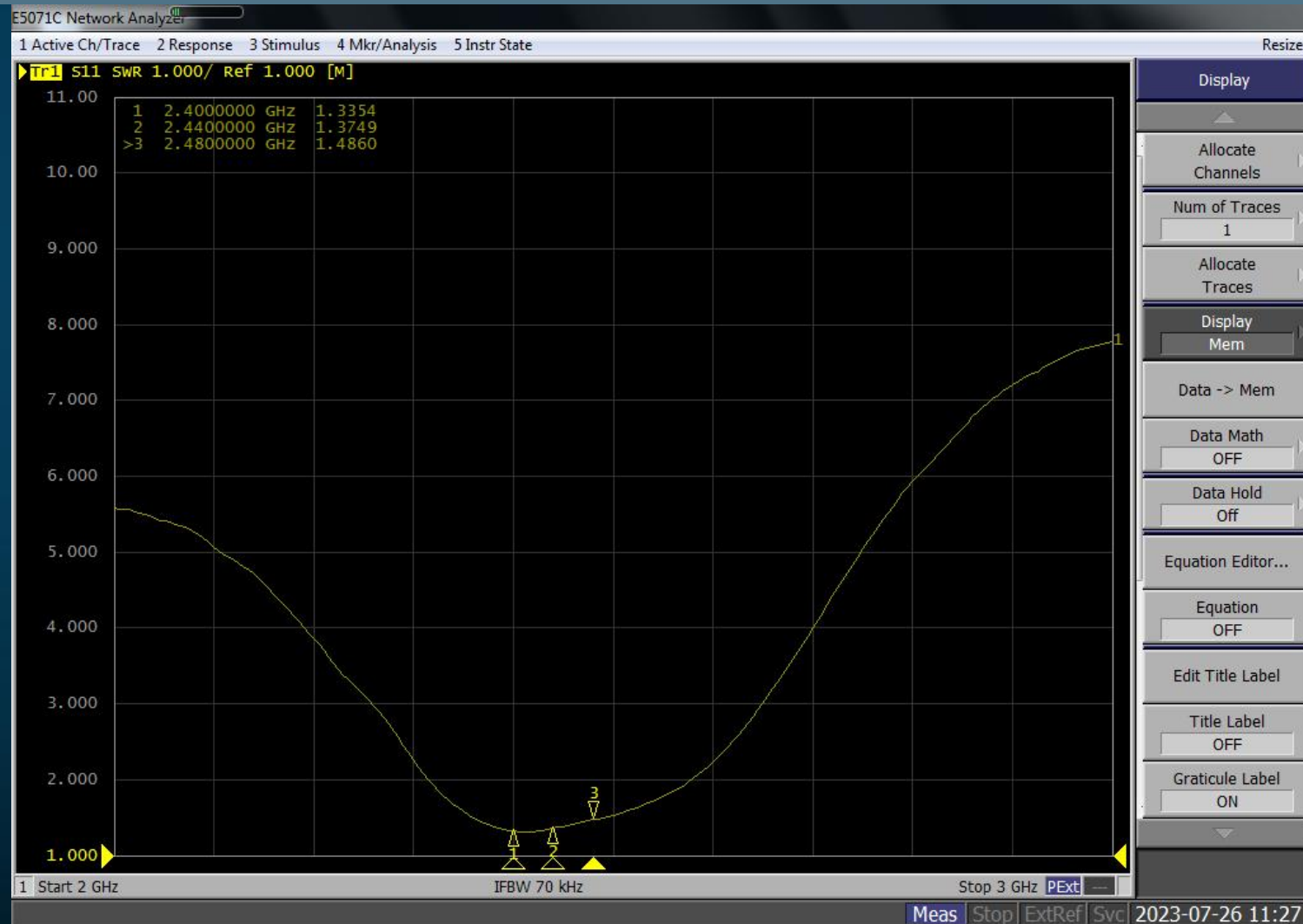
匹配是否有改动 Match change	无 None
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天线Antenna	
Element	Value
E1 (0402)	NC
E2 (0402)	0Ω
E3 (0402)	NC

麦克风天线S11阻抗

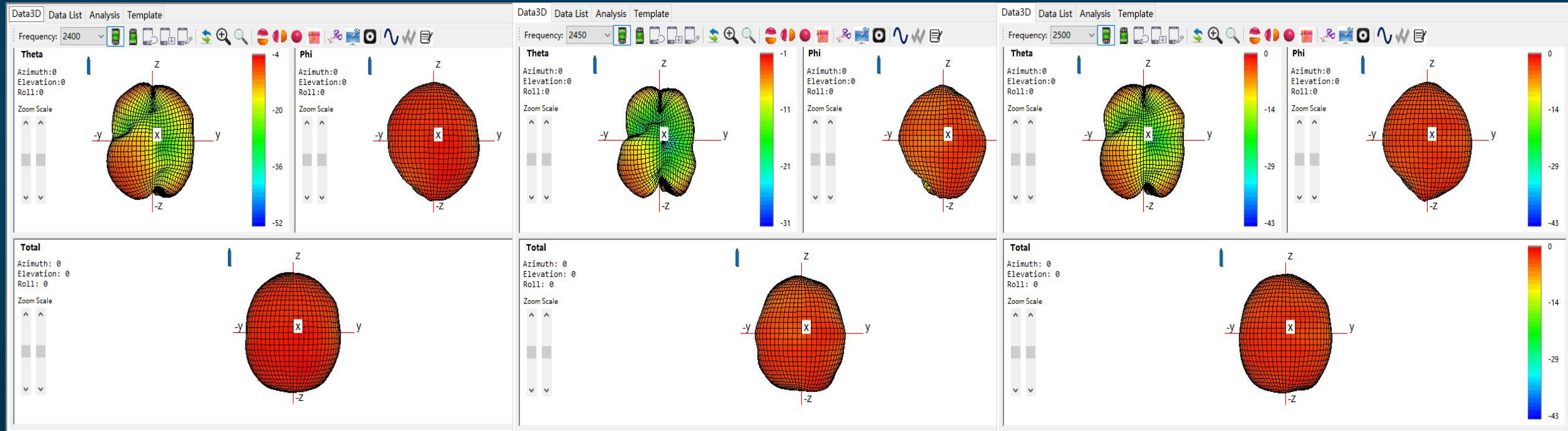
microphone antenna s11 impedance



GAIN & Efficiency

Frequency (MHz)	Gain (dB)	Efficiency (%)
2400	1.06	46.98
2410	1.02	46.86
2420	0.82	46.43
2430	1.02	46.72
2440	0.99	46.56
2450	1.05	47.43
2460	1.06	47.48
2470	1.05	47.93
2480	1.12	47.97
2490	1.15	47.98
2500	1.24	48.43

3D Radiation Pattern



板载天线尺寸图

On-board antenna size drawing

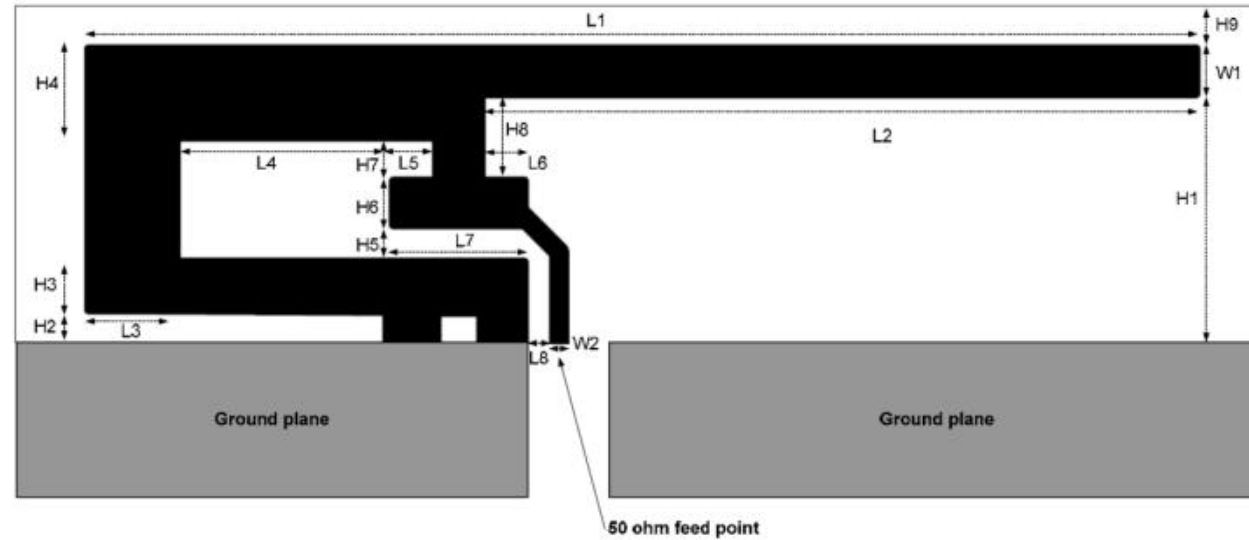


Figure 1-1. IFA Dimensions

Table 1-1. IFA Dimensions

H1	5.70 mm	W2	0.46 mm
H2	0.74 mm	L1	25.58 mm
H3	1.29 mm	L2	16.40 mm
H4	2.21 mm	L3	2.18 mm
H5	0.66 mm	L4	4.80 mm
H6	1.21 mm	L5	1.00 mm
H7	0.80 mm	L6	1.00 mm
H8	1.80 mm	L7	3.20 mm
H9	0.61 mm	L8	0.45 mm
W1	1.21 mm		

重要说明 NOTICE



1

请贵司注意报告中的匹配是否更改、环境处理是否可行；这直接影响天线性能，若有异议请及时与本司联系；

Please pay attention to whether the matching in the report has changed and whether the environmental treatment is feasible; This will directly affect the antenna performance, if you have any objections, please contact us in time;

2

若贵司机器有更换物料、更新软件、环处理变更等，须及时提供最新状态机器来我司验证；

If your driver has replacement materials, updated software, environmental processing changes, etc., you must provide the latest status machine to our company for verification in time

3

若贵公司机器需送第三方验证或送检，请最好提供送测机器来我司测试验证OK后方可送测（因为主板、环境处理、天线组装等一致性会影响天线性偏差）

If your company's machine needs to be sent to a third party for verification or inspection, it is best to provide the test machine to our company to test and verify OK before sending it for testing (because the consistency of the motherboard, environmental treatment, antenna assembly and so on will affect the antenna deviation)