

Confirmation of products

Customer	Fanvil Technology Company.Ltd							
Project Name	DH301B	Version	A. 1	Date	2025-08-20			
Project NO.	34. 10. 06. 001	Customer P/N	FLL200B					
Frequency Range	2400~2500MHz	Notes						
Designed By	Yu Wang Zhenwei Chen Qukui tian							
Approved By	Runjie Xie							
Clients’ Approval								

Designer: SHENZHEN LINRONG TECHNOLOGY CO.,LTD

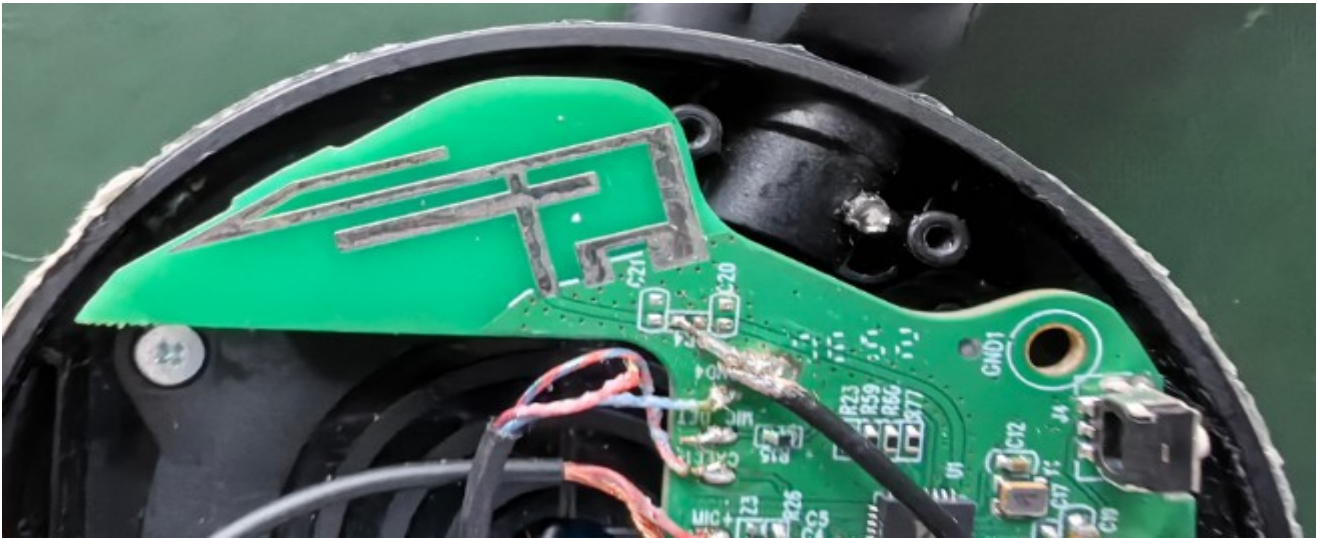
ADD: Floor 3, building 1, LianJian Industrial Park, Huarong Road, Dalang street, Longhua District, Shenzhen

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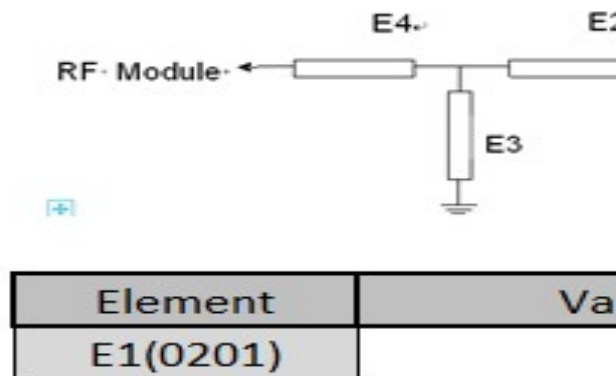
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1、Specification

This report mainly provides the testing conditions of various electric and structural performance parameters for cell phone antenna ----DH301B Picture 1 shows the antenna designed by LR.



2 、 Matching circuit diagram



3、 VSWR Testing

3.1 Testing connection

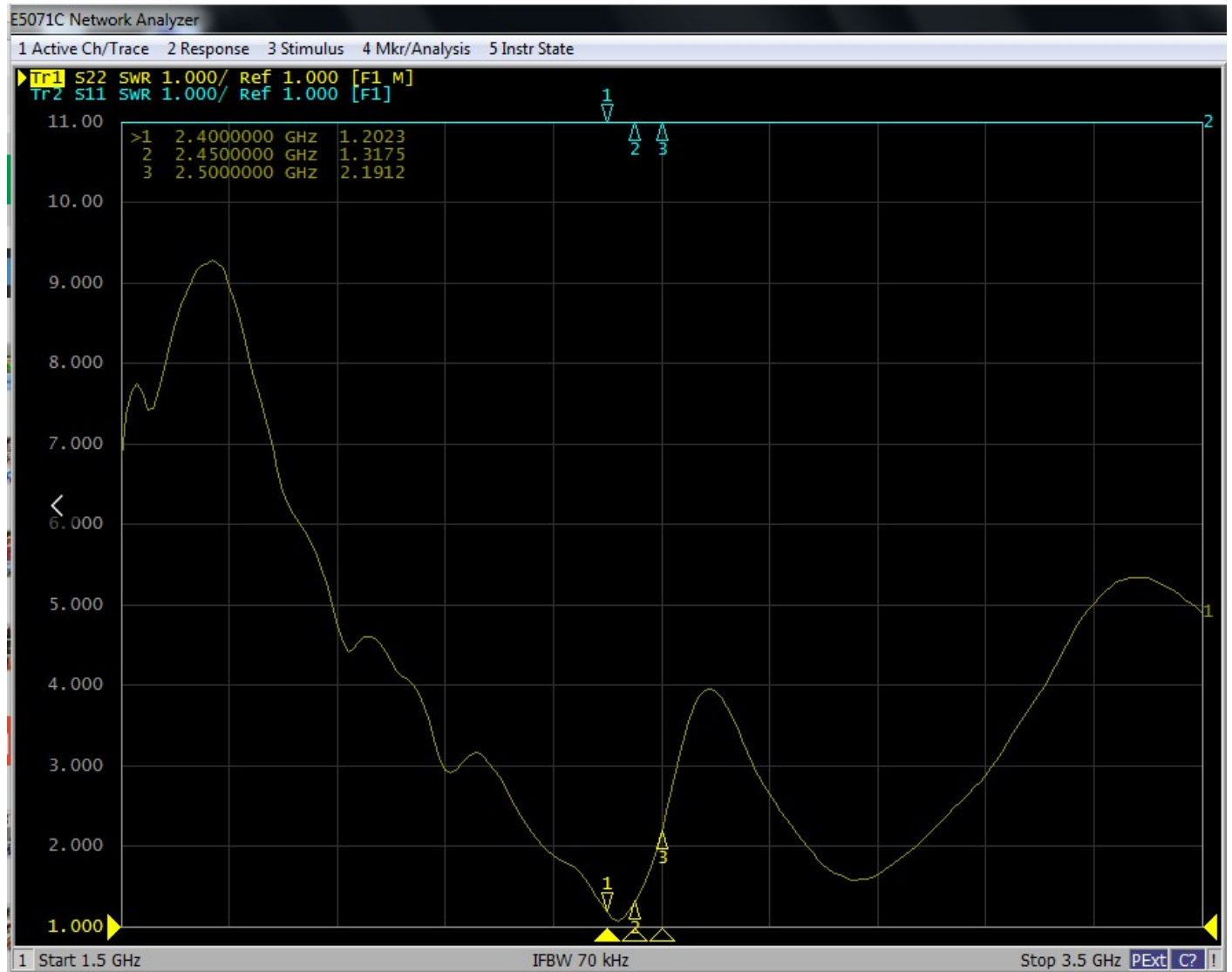
The VSWR testing devices are connected in sequence: Agilent5071C Network Analyzer → Testing Cable → Customer-providing Devices.

3.2 VSWR

The following table expresses the VSWR value of antenna's two edges of its frequency range. With regard to the relevant diagram of VSWR

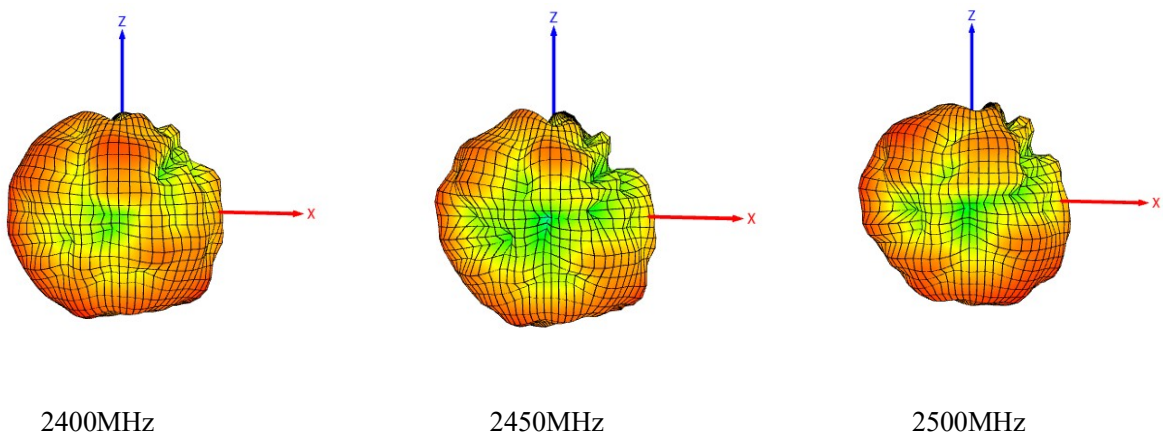
DH301B VSWR			
Frequency (MHz)	2400	2450	2500
VSWR	1.20	1.31	2.19

3.3 Testing data



DH301B antenna VSWR

3.4 Antenna 3D pattern



4.1 Testing field

LR Microwave Anechoic Chamber : testing frequency ranges from 400MHz to 6GHz and the 40cm diameter spherical quiet zone, the chamber provides less than -90dB reflectivity from 400MHz—6GHz.

4.2 Testing results

The following table indicates the testing results related to Power and Sensitivity in Microwave Anechoic Chamber, concerning the relative diagram.

DH301B antenna passive data:

Freq(MHz)	Gain(dBi)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficiency(%)
2300	1.41	43.12	2460	3.00	51.64
2310	1.47	44.82	2470	3.23	51.95
2320	1.60	45.73	2480	3.37	51.91
2330	1.75	46.28	2490	3.45	51.78
2340	1.97	47.02	2500	3.51	52.13
2350	2.20	47.74	2510	3.45	51.58
2360	2.41	48.87	2520	3.30	50.49
2370	2.51	50.06	2530	3.24	50.06
2380	2.51	50.38	2540	3.14	50.06
2390	2.43	51.36	2550	3.11	50.07
2400	2.37	52.33	2560	3.22	50.20
2410	2.35	52.44	2570	3.33	50.35
2420	2.42	52.77	2580	3.45	49.74
2430	2.53	52.51	2590	3.61	48.91
2440	2.68	52.30	2600	3.75	48.37
2450	2.82	51.97			

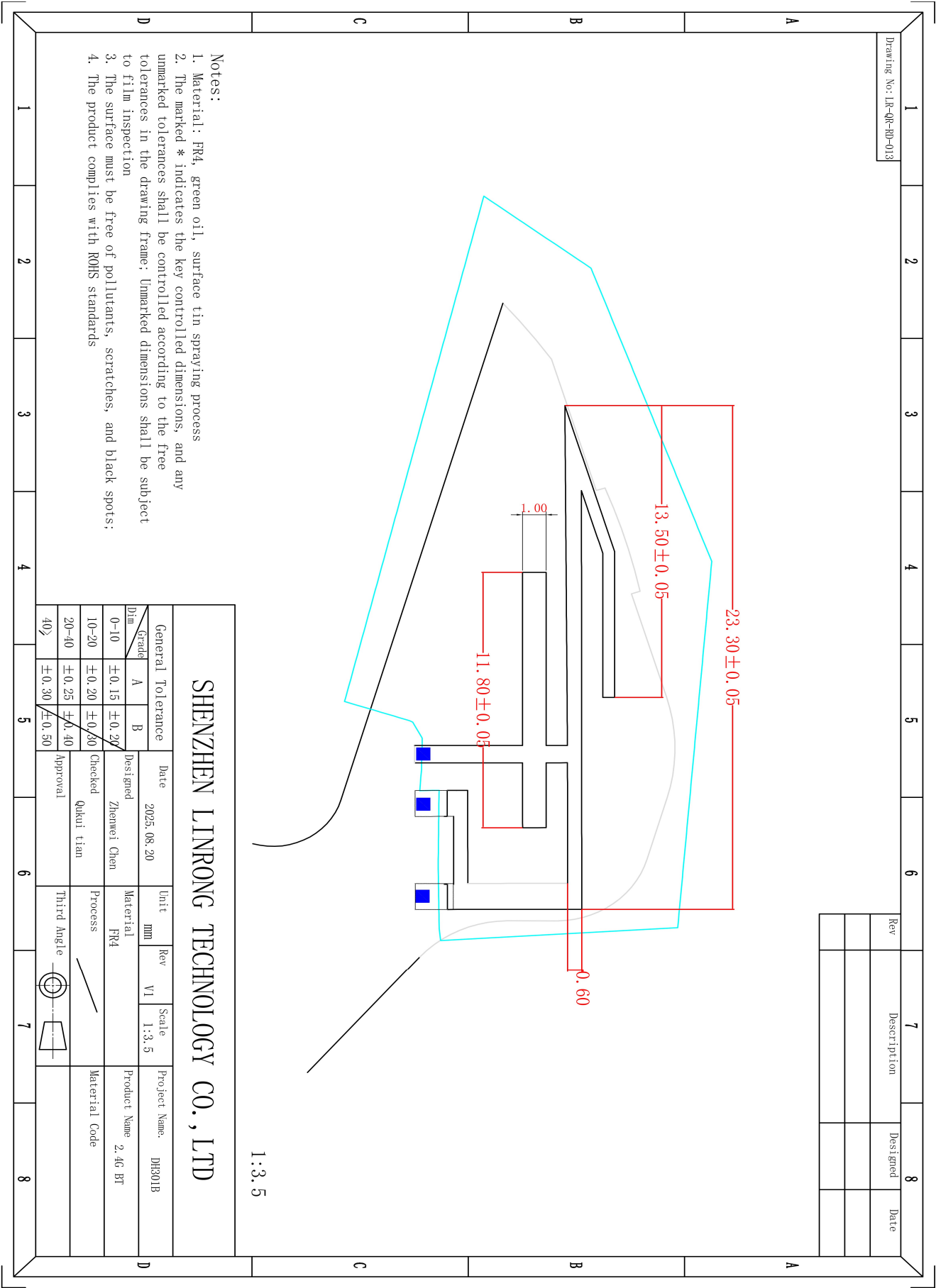
DH301B Active data:

	TRP	TIS
0	2.95	-85.00
39	2.90	-86.46
78	2.82	-87.49

5、Environmental treatment

Original complete machine environment status

6、Mechanical Dimension Drawing



1:3.5