

规格承认书
SPECIFICATION FOR APPROVAL

日期
DATE: 2026.04.20
版本
REV.: V1.0

客 户 CUSTOMER:	文巡
客 户 料 号 CUSTOMER P/N:	
品 名 PART NAME:	VD01
供 方 料 号 SUPPLIER P/N:	A0Z-0064-R0A

送样日期 Date:	送样数量 Q'TY:	Pcs
客户确认 CUSTOMER APPROVED BY		
工程研发部	生产采购部	承认
ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY
供方确认 SUPPLIER SIGNATURE		
研发部	工程部	批准
ENGINEER R&D DEPT	ENGINEER R&D DEPT	APPROVAL

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上海是得自在集成电路有限公司
Address: 103B, Build10, No.198 Zhang Heng Road , Pudong New Area,Shanghai

Index

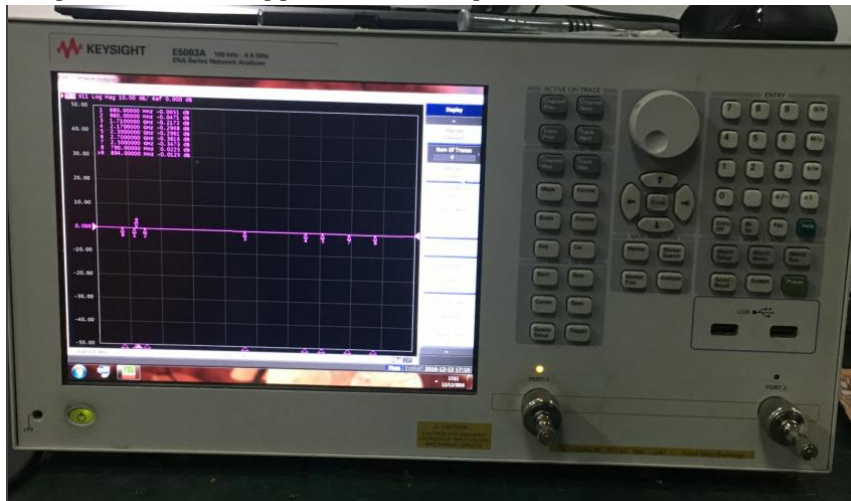
1. RF Fixture Experiment	3
1.1 Test Setup	3
1.2 UE configuration	4
2. Test Result.....	5
2.2 Passive Test Result(S parameters).....	5-8
2. 2 Active Test Result(TRP TIS).....	7-11

1. RF Fixture Experiment

1.1 Test Setup

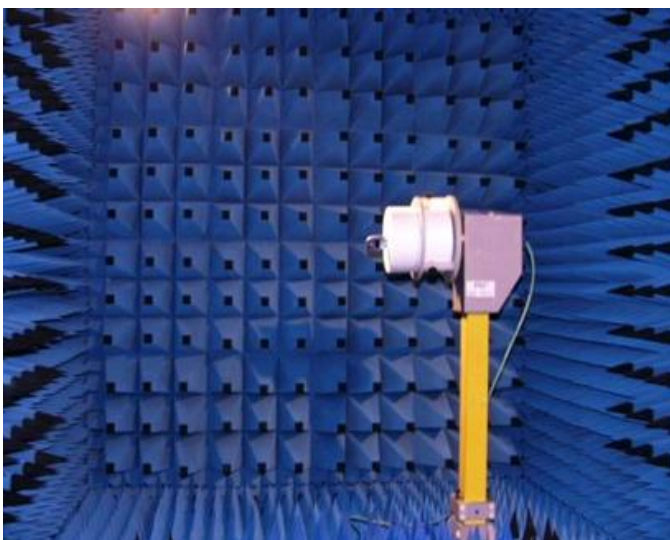
1.1.1 VNA Test Setup

VSWR and Return Loss measurements (S_{11}) were performed using an Keysight E5071C Network Analyzer. The isolation between antennas is also tested. The testing was performed with apparatus in free space.



1.1.4 Anechoic Chamber Test Setup

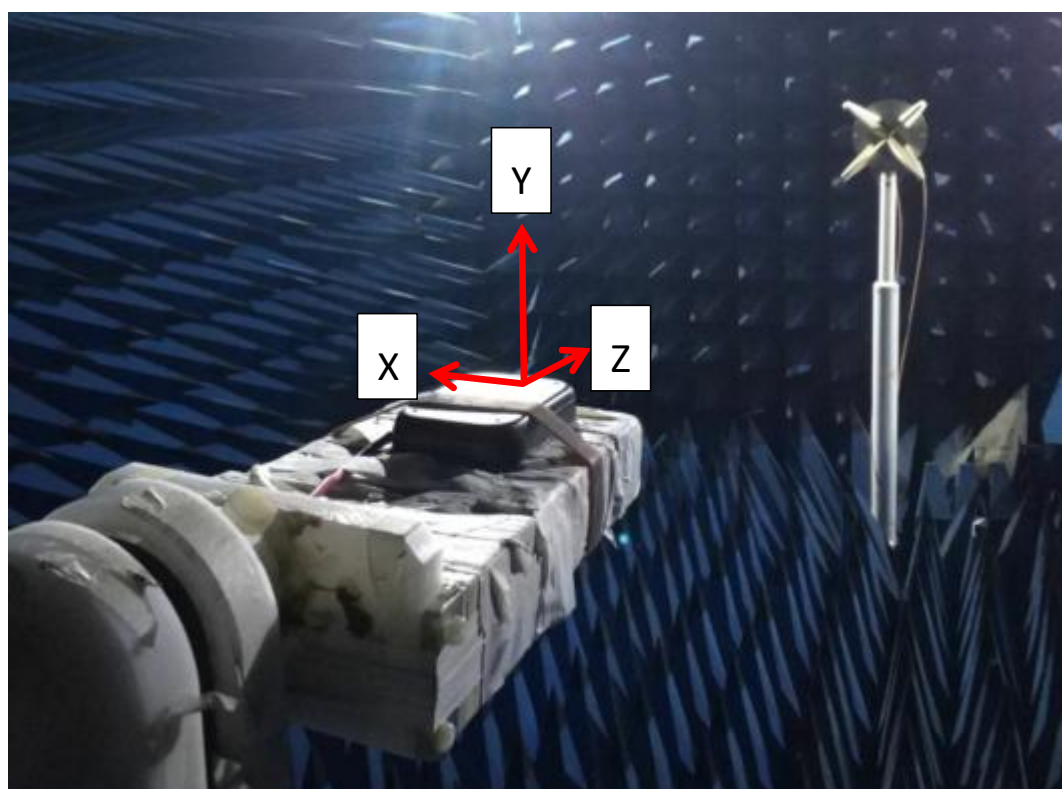
When we test Gain and Efficiency of the antenna, we will use the ETS 3D chamber. The chamber provides test frequency from 400MHz to 6GHz. The real test environment is showing as following picture



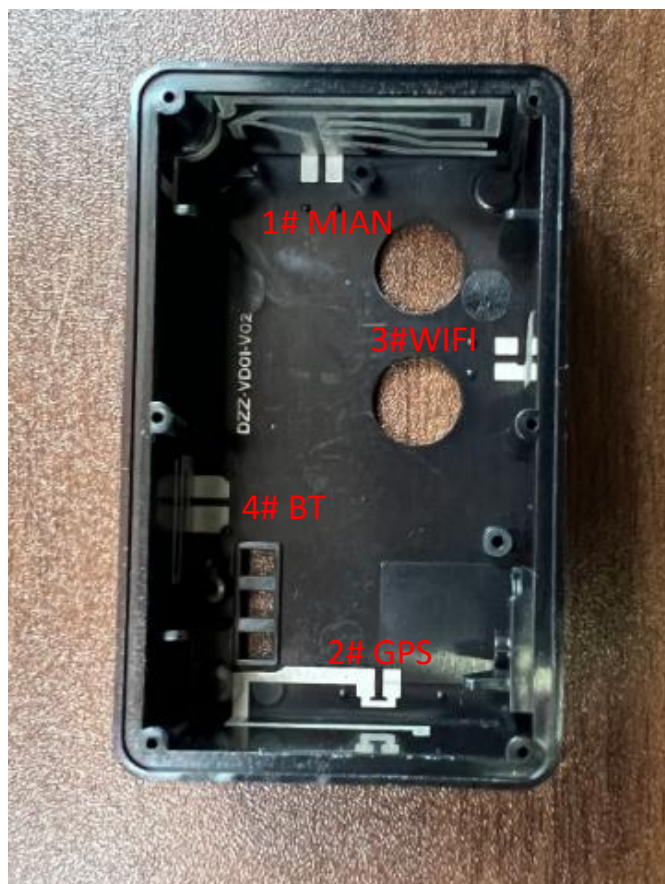


1.2 UE configuration

1.2.1 Antenna location pictures



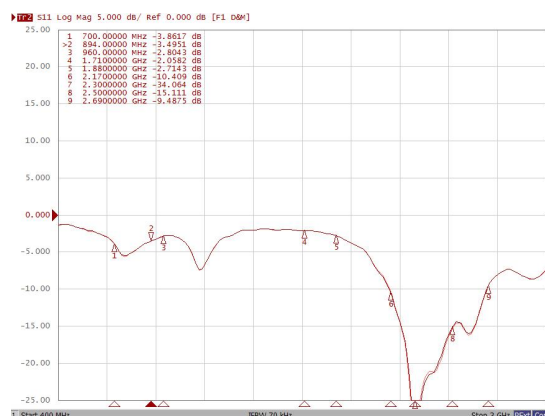
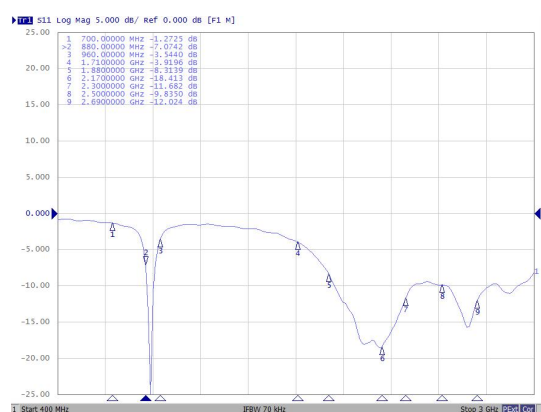
1.2.2 Environmental treatment



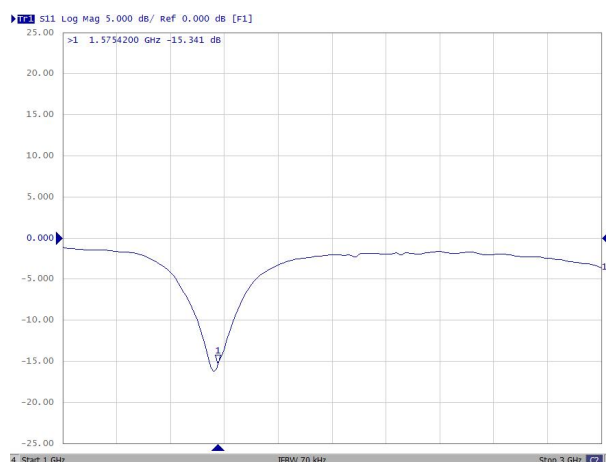
2. Test Result

2.2 Passive Test Result(S parameters)

1# Main-s11



2# GPS-s11



3# WIF-s11



4# BT-s11



MAIN Efficiency

Fre (MHz)	Effi (%)	Gain(dBi)	Fre (MHz)	Effi (%)	Gain(dBi)
700	6.92	-6.37	1700	30.01	-0.86
720	7.48	-5.74	1750	31.17	-0.40
740	8.43	-5.14	1800	33.66	-0.27
760	8.46	-5.14	1850	35.45	-0.54
780	7.77	-5.60	1900	38.66	-0.13
800	8.45	-6.18	1950	39.84	-0.01
820	8.90	-5.95	2000	40.27	0.30
840	8.59	-5.25	2050	39.33	0.61
860	7.78	-5.48	2100	40.74	0.46
880	10.96	-4.67	2150	36.68	0.54
890	12.14	-3.74	2200	35.61	-0.26
900	13.54	-3.44	2250	34.81	-0.16
910	13.09	-3.56	2300	33.17	-0.59
920	12.30	-3.90	2350	30.75	-0.65
930	10.54	-4.30	2400	30.78	-0.57
940	8.77	-6.00	2450	33.69	-0.40
950	8.04	-6.97	2500	34.23	-0.36
960	7.65	-7.83	2550	30.37	-0.66
			2600	27.06	-0.74
			2650	28.16	-0.53
			2700	27.89	-0.19

GPS Efficiency

Fre (MHz)	Effi (%)	Gain(dBi)
1560	37.63	1.00
1565	35.90	0.91
1570	36.20	0.91
1575	36.20	0.72
1580	35.19	0.50
1585	35.24	0.41
1590	34.14	0.15

WIF Efficiency

Fre (MHz)	Effi (%)	Gain(dBi)
2400	21.50	-1.75
2410	23.06	-1.63
2420	25.49	-1.21
2430	24.05	-1.30
2440	25.15	-1.35
2450	26.79	-1.15
2460	26.62	-1.41
2470	25.30	-1.47
2480	25.75	-1.40
2490	25.89	-1.29
2500	24.79	-1.42

BT Efficiency

Fre (MHz)	Effi (%)	Gain(dBi)
2400	23.10	-1.25
2410	21.56	-2.14
2420	24.93	-1.72
2430	26.00	-1.49
2440	26.28	-1.44
2450	25.25	-1.52
2460	26.37	-1.69
2470	27.41	-1.39
2480	26.06	-1.41
2490	24.62	-1.17
2500	25.57	-1.08

3. 2 Active Test Result(TRP TIS)

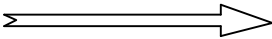
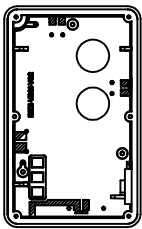
OTA		
Band	SN:	
	TRP	TIS
LTE-B1 10M	16.54	
	16.88	
	16.27	-91.47
LTE-B2 10M	16.22	
	17.00	
	16.96	-90.14
LTE-B3 10M	16.12	
	16.02	
	16.28	-90.24
LTE-B4 10M	16.27	
	16.11	
	16.35	-90.29
LTE-B5 10M	11.25	
	11.27	
	11.42	-85.11
LTE-B7	16.23	

10M	16.31	
	16.08	-87.62
LTE-B8 10M	13.17	
	13.09	
	13.14	-87.57
LTE-B12 10M	10.85	
	10.55	
	9.76	-80.11
LTE-B17 10M	10.57	
	10.85	
	10.17	-80.06
LTE-B18 10M	12.25	
	11.17	
	11.74	-86.25
LTE-B19 10M	12.19	
	11.17	
	11.64	-85.43
LTE-B20 10M	11.19	
	11.21	
	11.05	-85.31
LTE-B25	17.89	

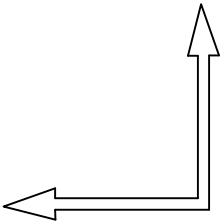
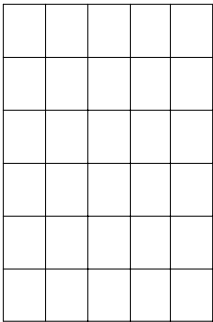
10M	17.11	
	16.99	-89.15
LTE-B26 10M	13.38	
	12.50	
	12.06	-85.14
LTE-B28 10M	11.18	
	11.35	
	11.07	-83.47
LTE-B38 20M	16.09	
	16.25	
	16.17	-85.66
LTE-B40 20M	17.05	
	16.56	
	16.44	-83.14
LTE-B41 20M	16.21	
	16.17	
	16.21	-84.25

Finished Product Name: VD01 Antenna	Version: A
	Client: Wen Xun

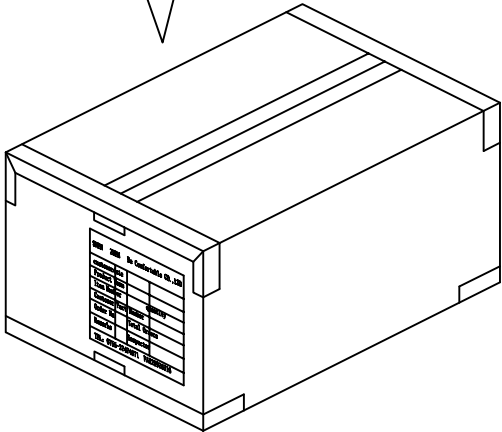
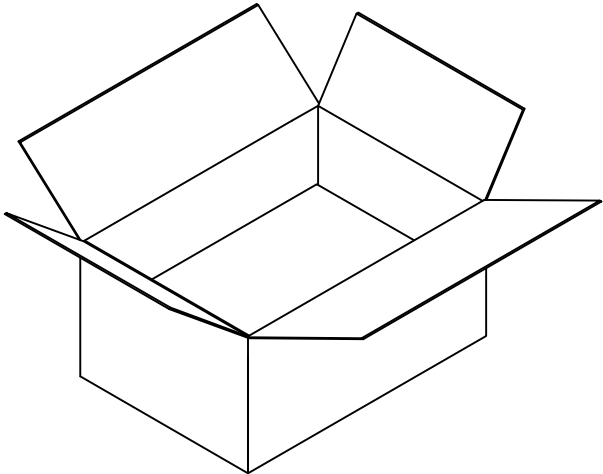
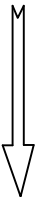
1: Finished Antenna



Pack with blister trays



III: The quantity per box shall be subject to the actual packaging.



IV: Sealing. Affix our company's production labels and ROHS labels on the outer cartons.