



深圳市凯普深通讯科技有限公司

Shenzhen cape deep communication technology co., LTD

# 天线调试报告

test report

Applicant: SHENZHEN VELAIG ONE TECHNOLOGY CO.,LTD.

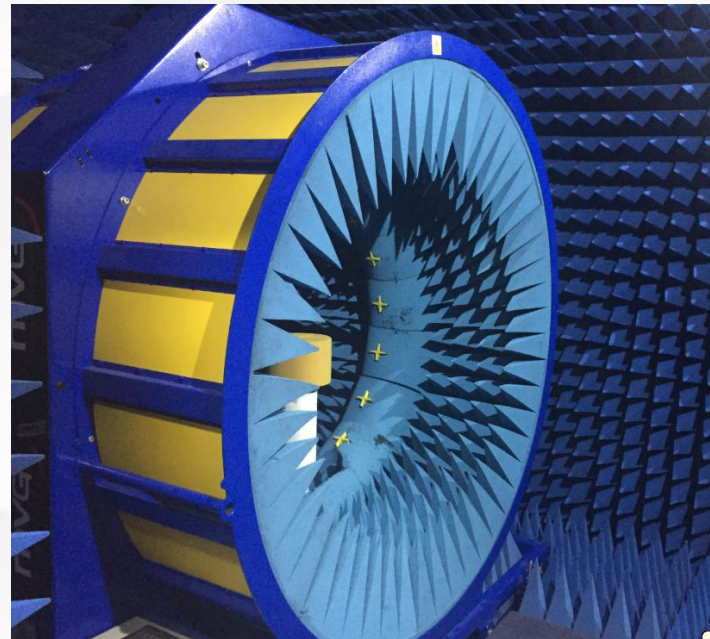
Project name: TL66 (BT ANT)

Date: 2024.01.08



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# Test environment and equipment

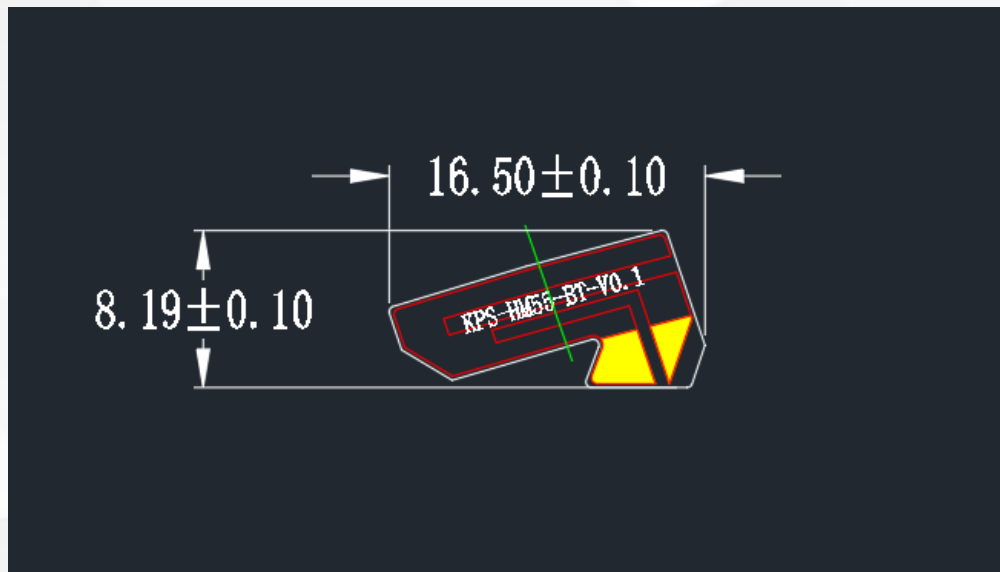


Test item	Test equipment
S11、S12、VSWR、LOSS	E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16、GP7*4*3、E5071B
TRP、TIS	Satimo SG16、GP7*4*3、8960、 CMW500、MT8820C、E4438C、



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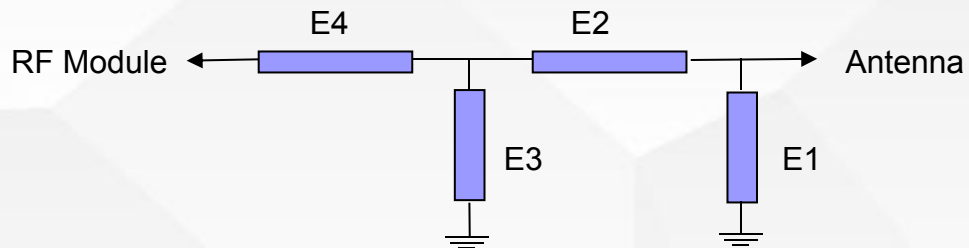
## Antenna size diagram





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## Antenna matching circuit

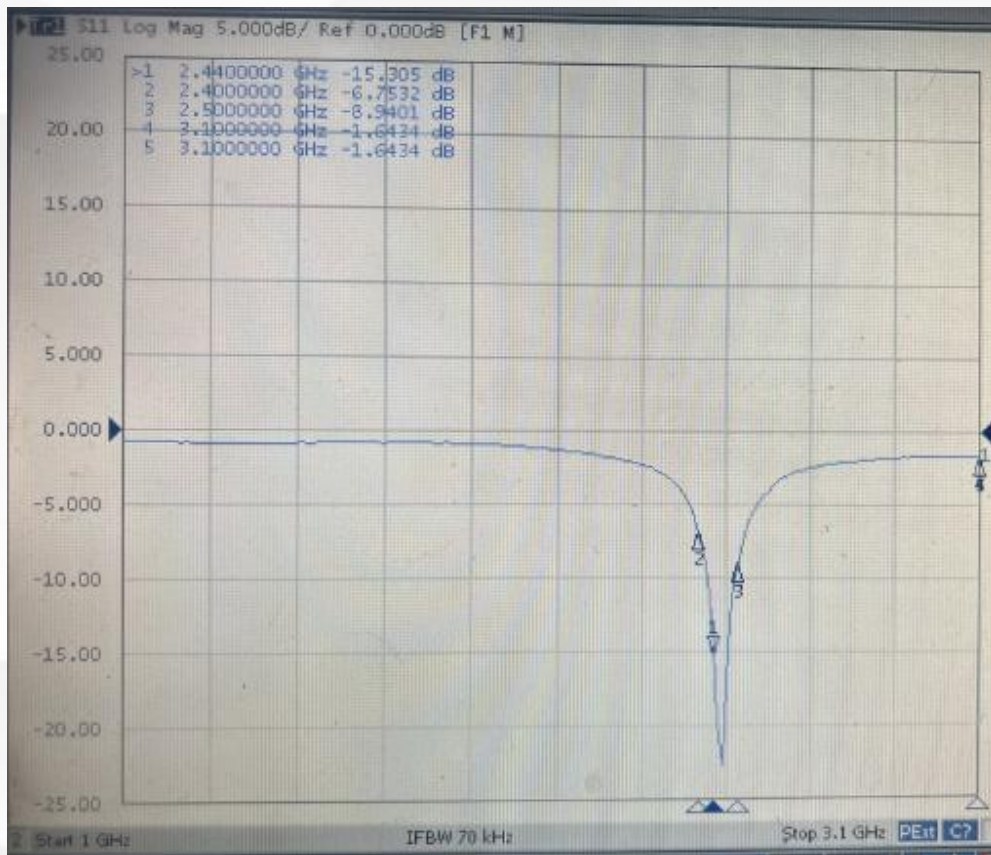


	Element	Value	Remark
BT ANT	E1(0402)	NC	
	E2(0402)	0ohm	
	E3(0402)	NC	



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# BT Antenna Passive S11 diagram





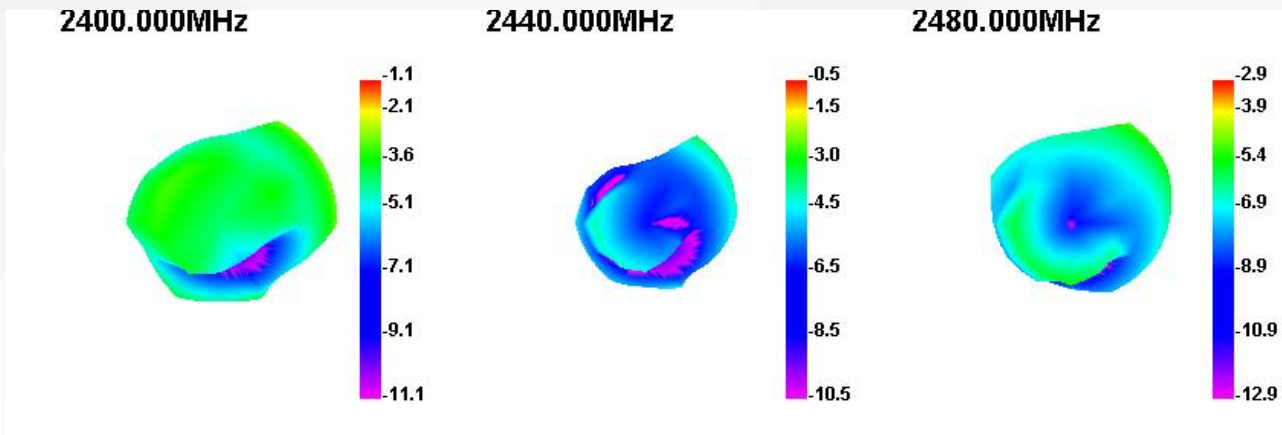
## BT Antenna Passive test data

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	20.62	-6.86	-1.57
2410	24.89	-6.04	-1.39
2420	25.39	-5.95	-1.2
2430	25.67	-5.91	-1.09
2440	22.99	-6.39	-1.1
2450	23.29	-6.33	-0.84
2460	23.15	-6.36	-0.74
2470	23.59	-6.27	-0.48
2480	21.65	-6.64	-0.91



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## BT Antenna 3D diagram



# THE END