



Shenzhen Yingfeng antenna technology Co., LTD

GX30 Test Report



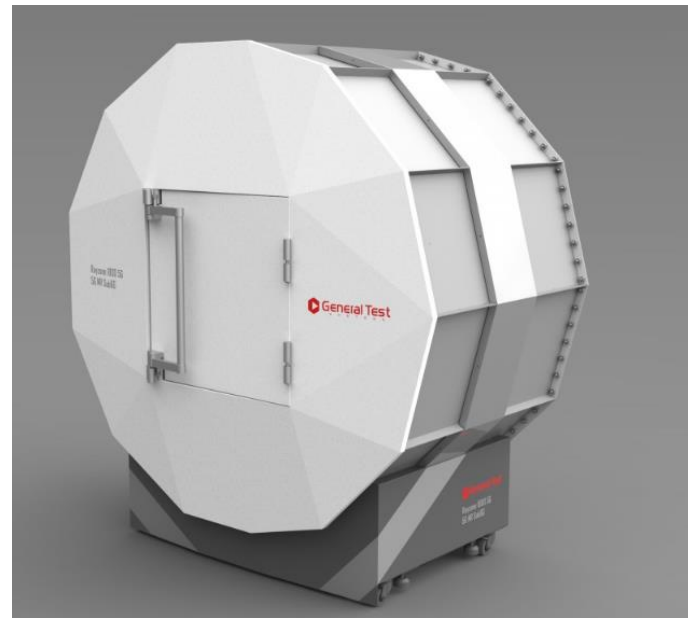
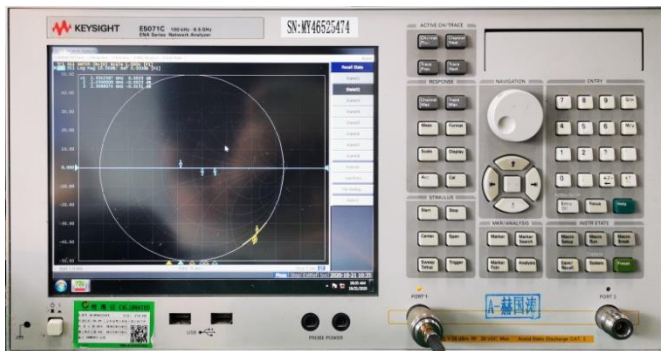
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Test condition

- 1. Measurement of S parameters
- 2. Equipment: Network Analyzer (Agilent E5062A), microwave darkroom, MT8852B
- 3. Items: Impedance, return loss, VSWR, Efficiency, gain, radiation field pattern, Sensitivity, Power, frequency offset active data TRP TIS





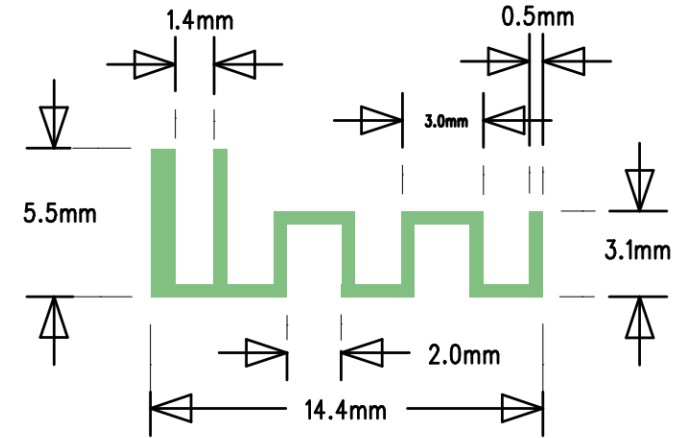
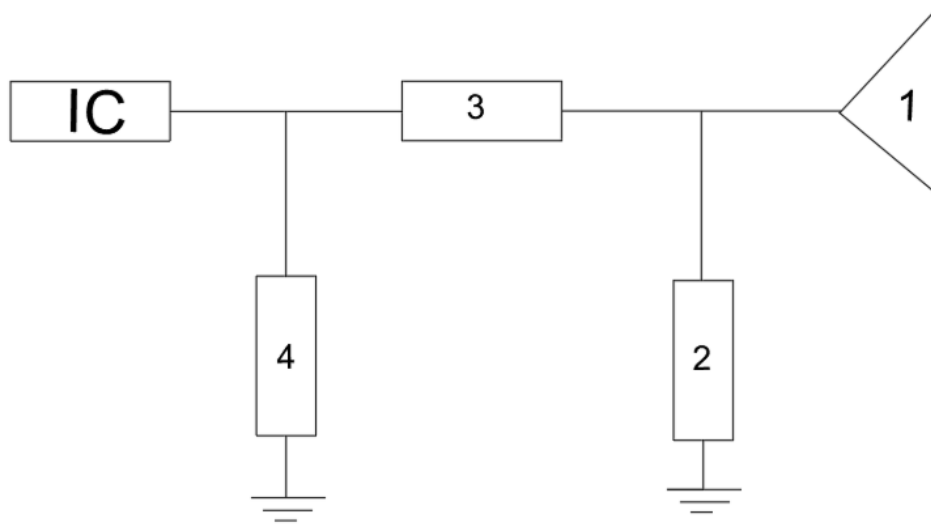
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Prototype appearance





matching parameter (headset)



serial number	model	specification	manufacturer	object ID	tolerance	
1	onboard					
2	NC					
3	inductance	3.6NH/0201	Murata		$\pm 0.1\text{NH}$	
4	NC					



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Free field passive efficiency of the whole machine

headset.

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	3.710715487	-2.56523532	55.39575272
2410	3.66217156	-2.532063341	55.82049276
2420	3.483741536	-2.658577514	54.21784462
2430	3.359646049	-2.801015449	52.46847663
2440	3.273003852	-2.855257013	51.81724259
2450	3.065706579	-3.033468051	52.73397766
2460	3.625813012	-3.436670723	53.32449017
2470	3.431396183	-3.571239465	53.94161893
2480	3.391738512	-3.65313633	53.12075606
2490	3.101973358	-3.887772622	50.85288559
2500	3.96743467	-4.006458151	51.75156076



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summary of commissioning test

The on-board directivity is poor, if the test can not be recommended to change to ceramic antenna



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Thanks for Your Attention