



Shenzhen Yingfeng antenna technology Co., LTD

RT67 Test Report

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Day period	2024-02-26



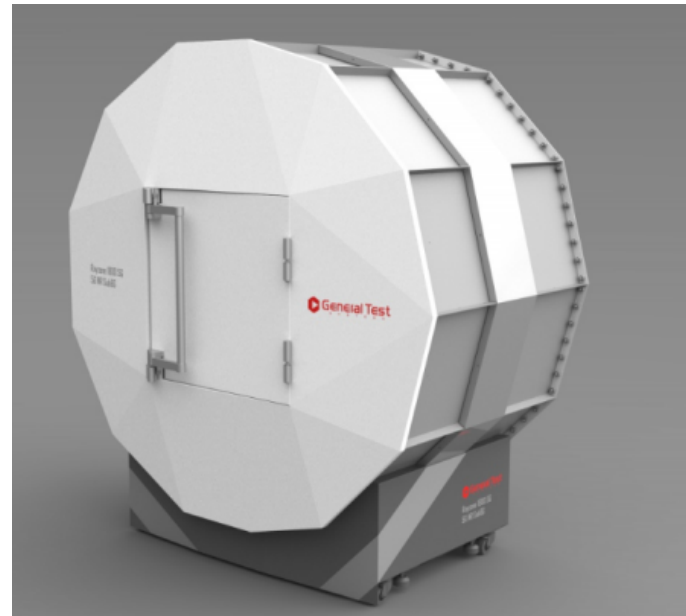
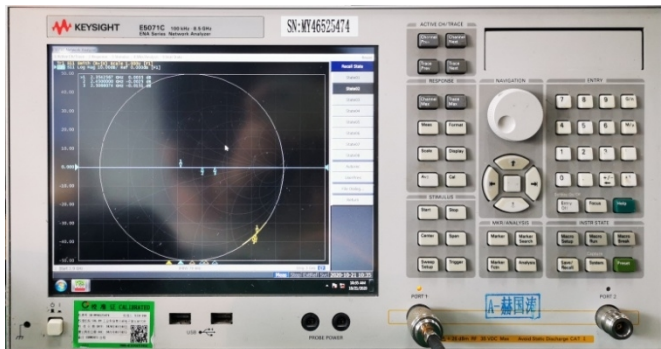
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Test condition

- 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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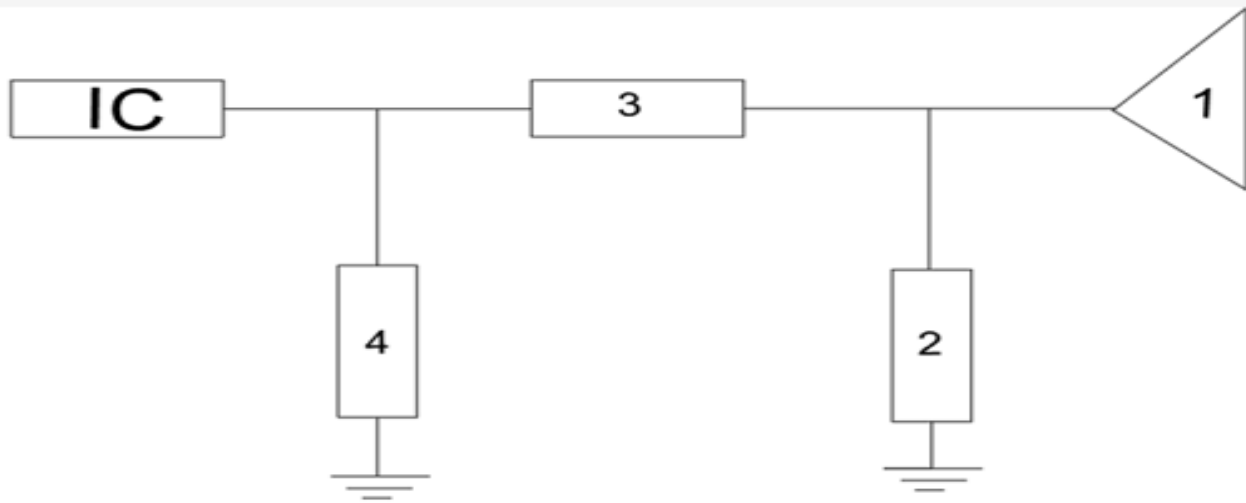
Prototype appearance





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matching parameter



serial number	model	specification	manufacturer	object ID	tolerance	
1	FPC					
2	capacitance	1.5PF/0201	Murata		$\pm 0.1\text{PF}$	
3	resistance	0Ω				
4	NC					



Free field passive efficiency of the whole machine

L

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	0.783662244	-3.890698816	40.82536896
2410	0.881121675	-3.790122551	41.78185763
2420	0.804035711	-3.787961299	41.80265541
2430	0.8239483	-3.749082539	42.17855976
2440	0.927156113	-3.550189139	44.1551217
2450	0.854938494	-3.546287059	44.19481234
2460	0.611012089	-3.734617798	42.31927513
2470	0.59059311	-3.608343053	43.56780646
2480	0.733713446	-3.426993829	45.42559423
2490	0.567900412	-3.465406214	45.0255865
2500	0.584219015	-3.40165923	45.69135916



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Free field passive efficiency of the whole machine

R

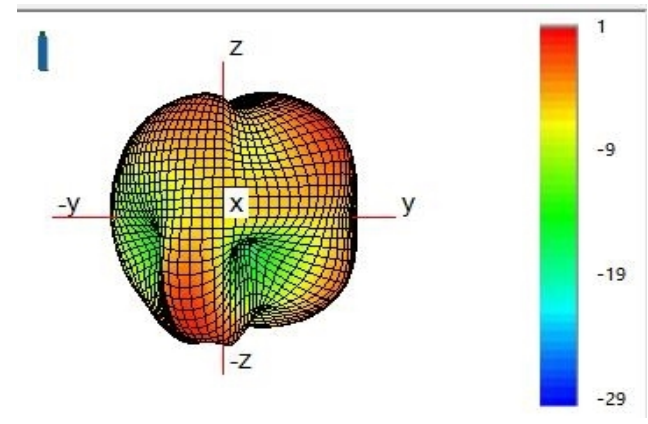
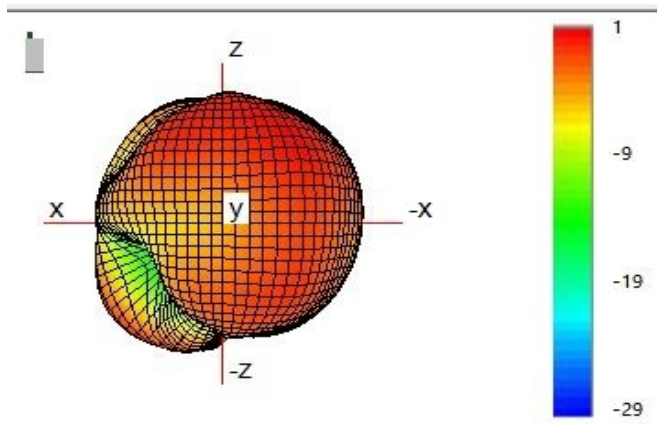
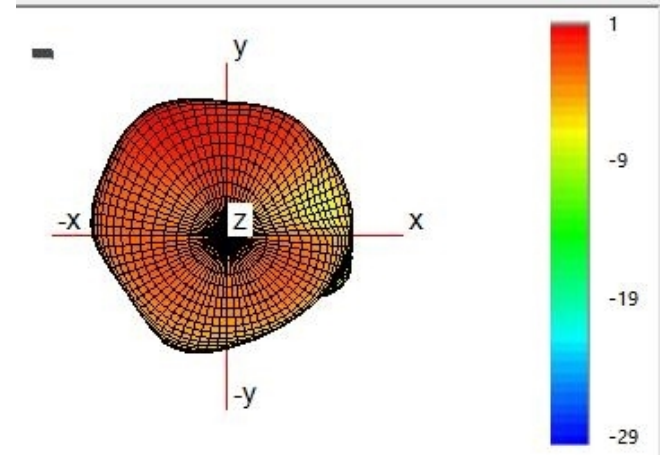
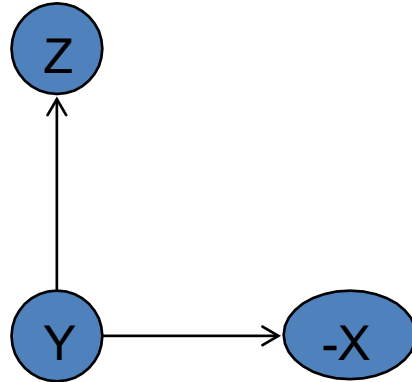
Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	0.681828798	-3.449907199	45.18655999
2410	0.754999283	-3.432696182	45.36598886
2420	0.70852872	-3.503224597	44.63520567
2430	0.703591871	-3.554342163	44.1129177
2440	0.753815177	-3.481524246	44.85879211
2450	0.70981056	-3.540096865	44.2578501
2460	0.407269169	-3.81599117	41.53372499
2470	0.426925565	-3.744494064	42.22314645
2480	0.487910868	-3.626362088	43.38741654
2490	0.599196728	-3.702480518	42.63359431
2500	0.680883624	-3.652475668	43.12731622



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Complete free field passive field type

L. 场型图

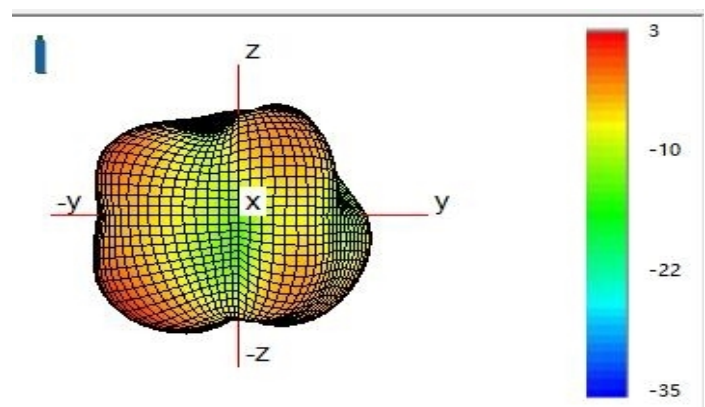
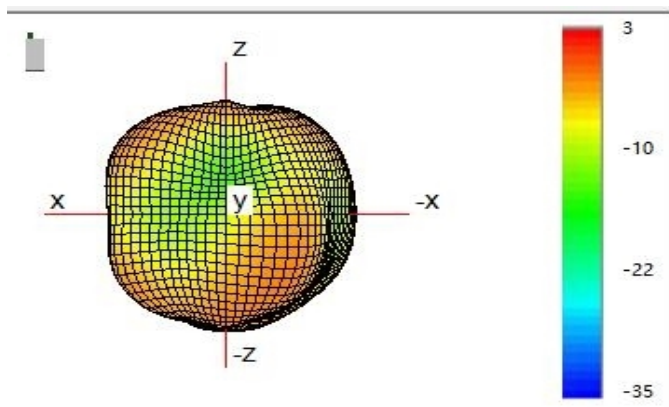
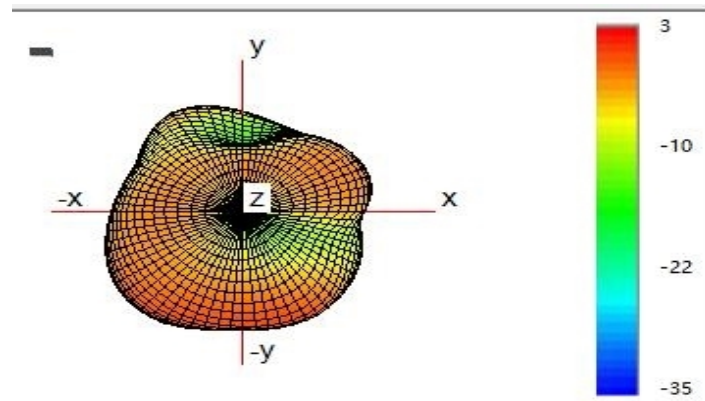
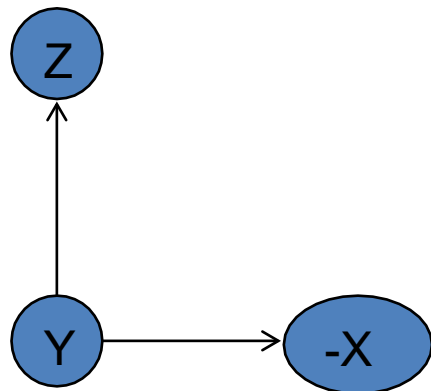




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Complete free field passive field type

R. 场型图





Complete machine free field OTA data

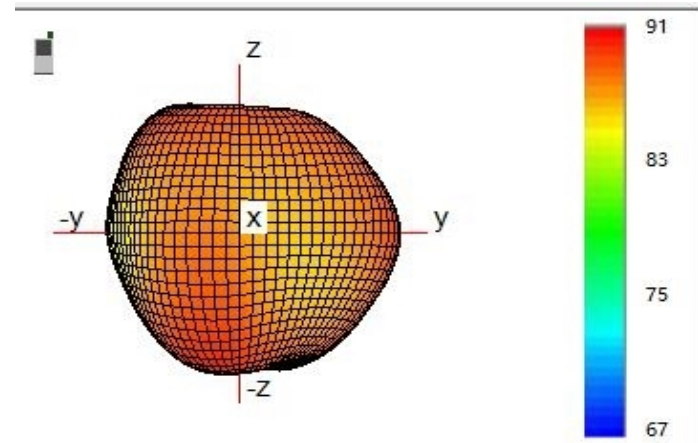
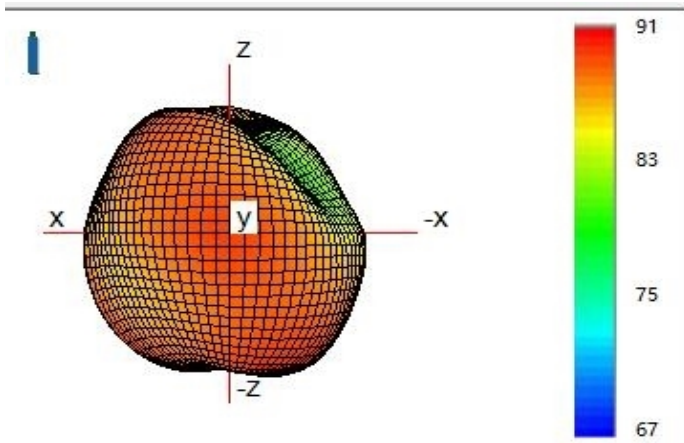
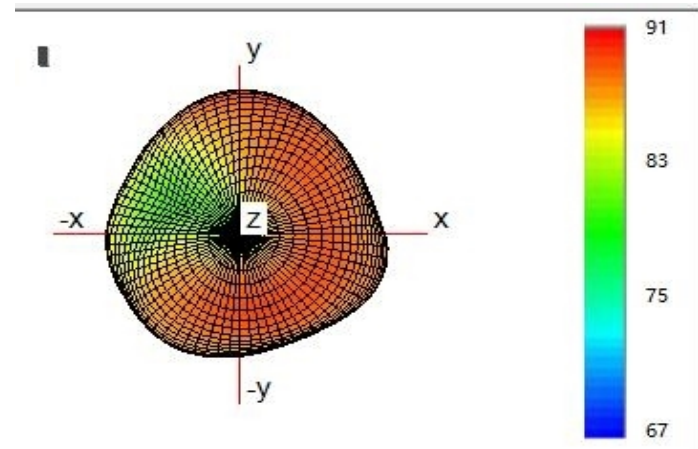
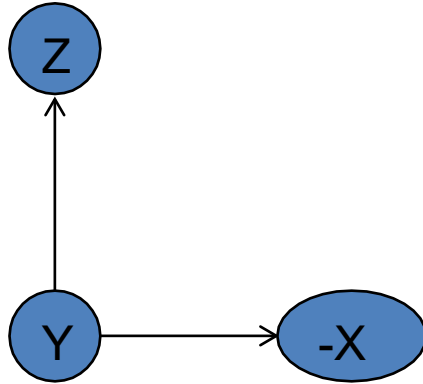
	Channel	TRP (dBm)	TIS (dBm)
L	CH0	8.08	-87.32
	CH39	8.12	-89.28
	CH78	8.14	-88.78

	Channel	TRP (dBm)	TIS (dBm)
R	CH0	8.02	-87.23
	CH39	8.10	-89.12
	CH78	8.12	-88.63



Complete free field OTA field type

L.

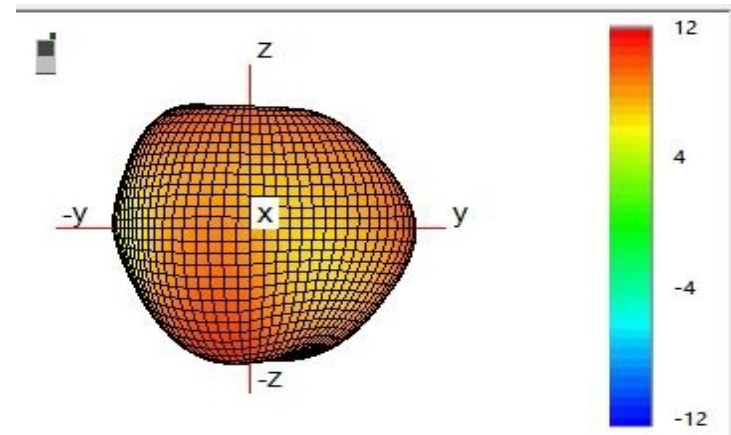
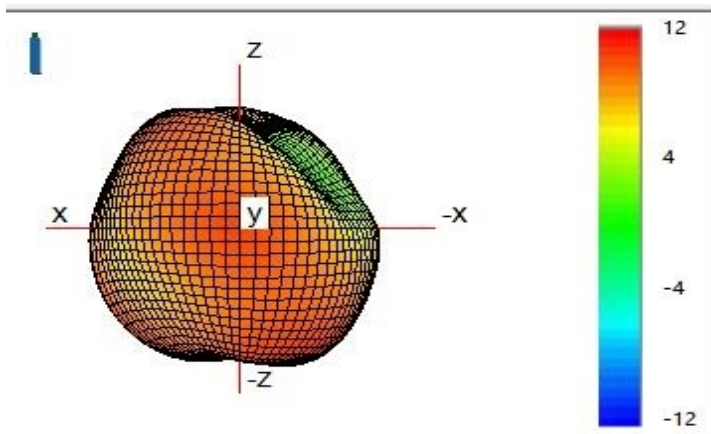
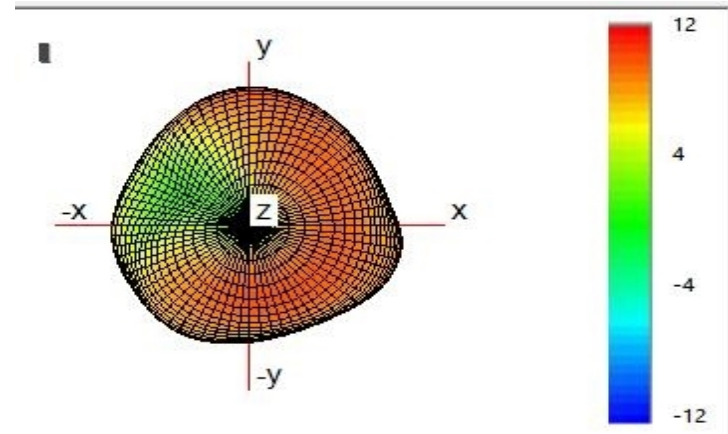
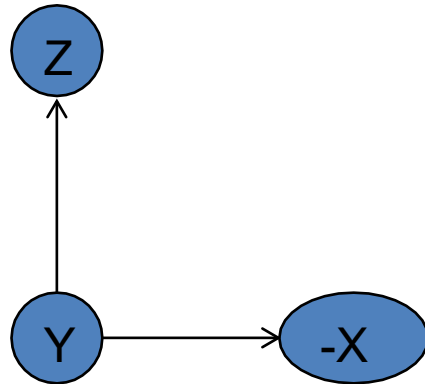




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Complete free field OTA field type

R.





OTA data of machine head

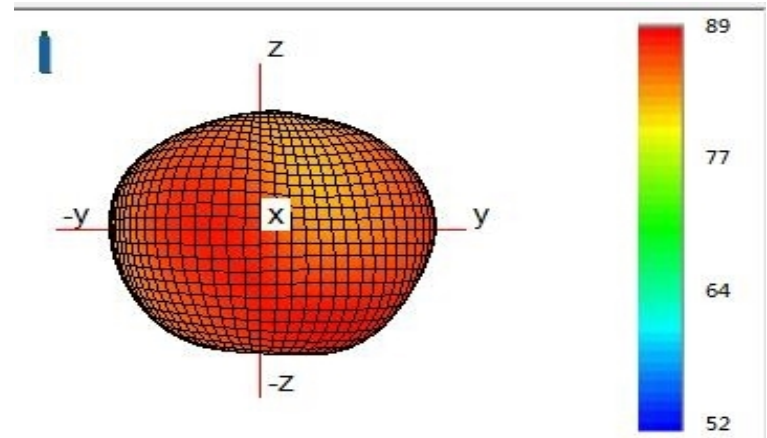
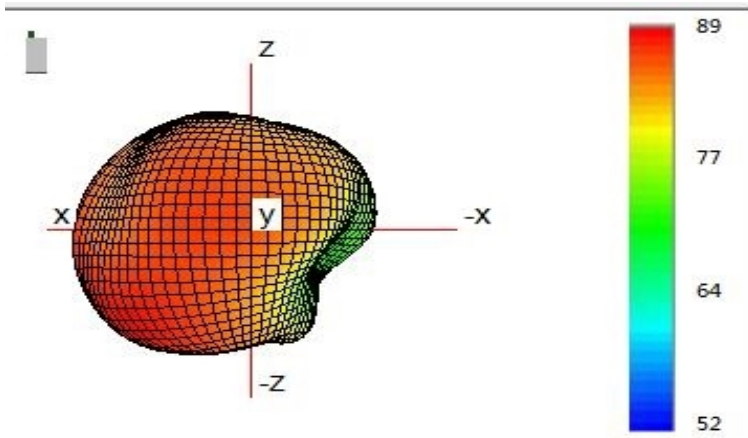
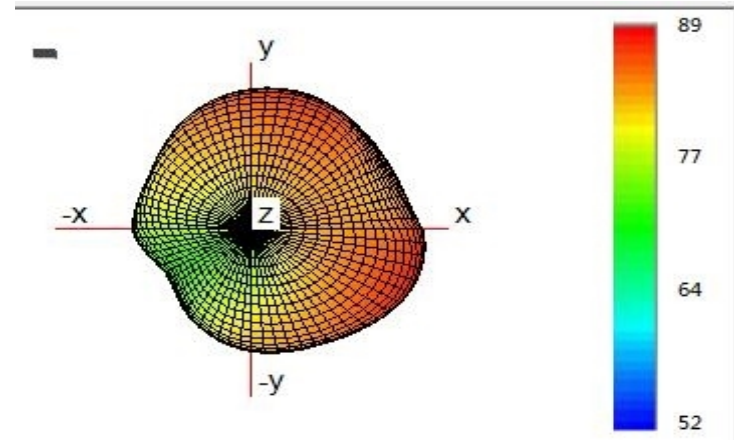
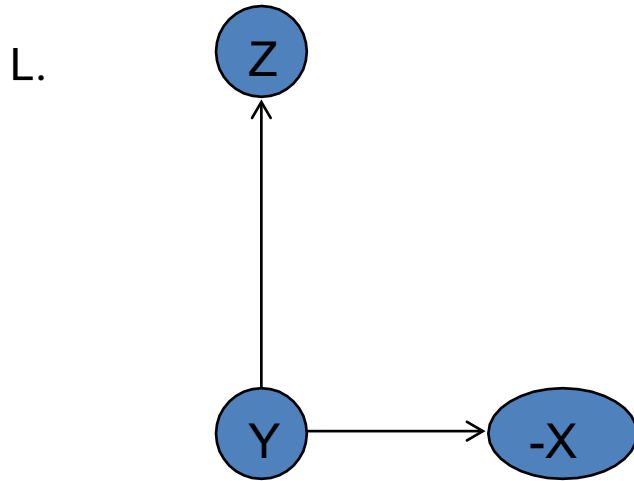
	Channel	TRP (dBm)	TIS (dBm)
L	CH0	2.06	-83.86
	CH39	2.15	-84.52
	CH78	2.36	-84.39

	Channel	TRP (dBm)	TIS (dBm)
R	CH0	2.01	-83.75
	CH39	2.11	-84.39
	CH78	2.28	-84.26



Shenzhen Yingfeng antenna technology Co., LTD

The whole head OTA field type

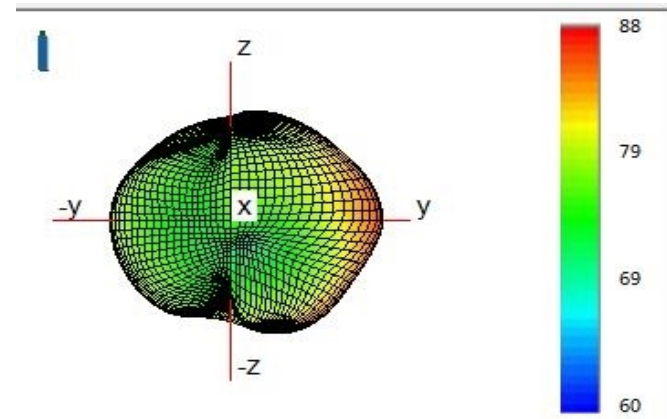
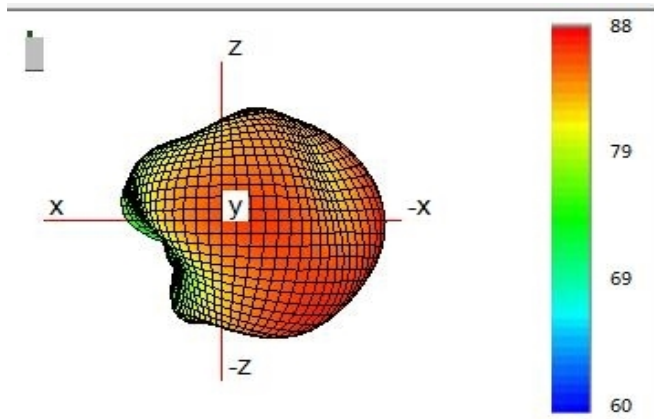
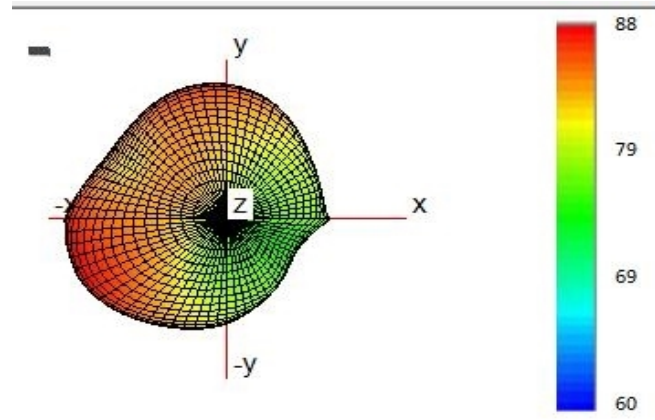
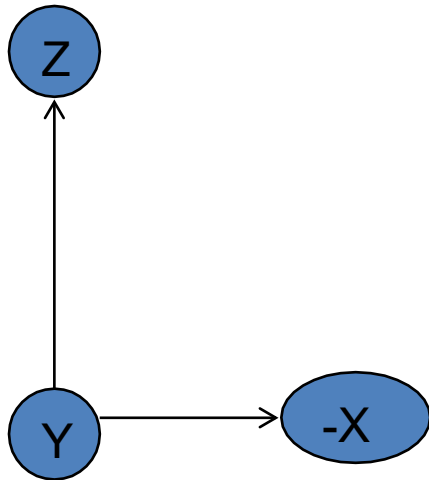




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The whole head OTA field type

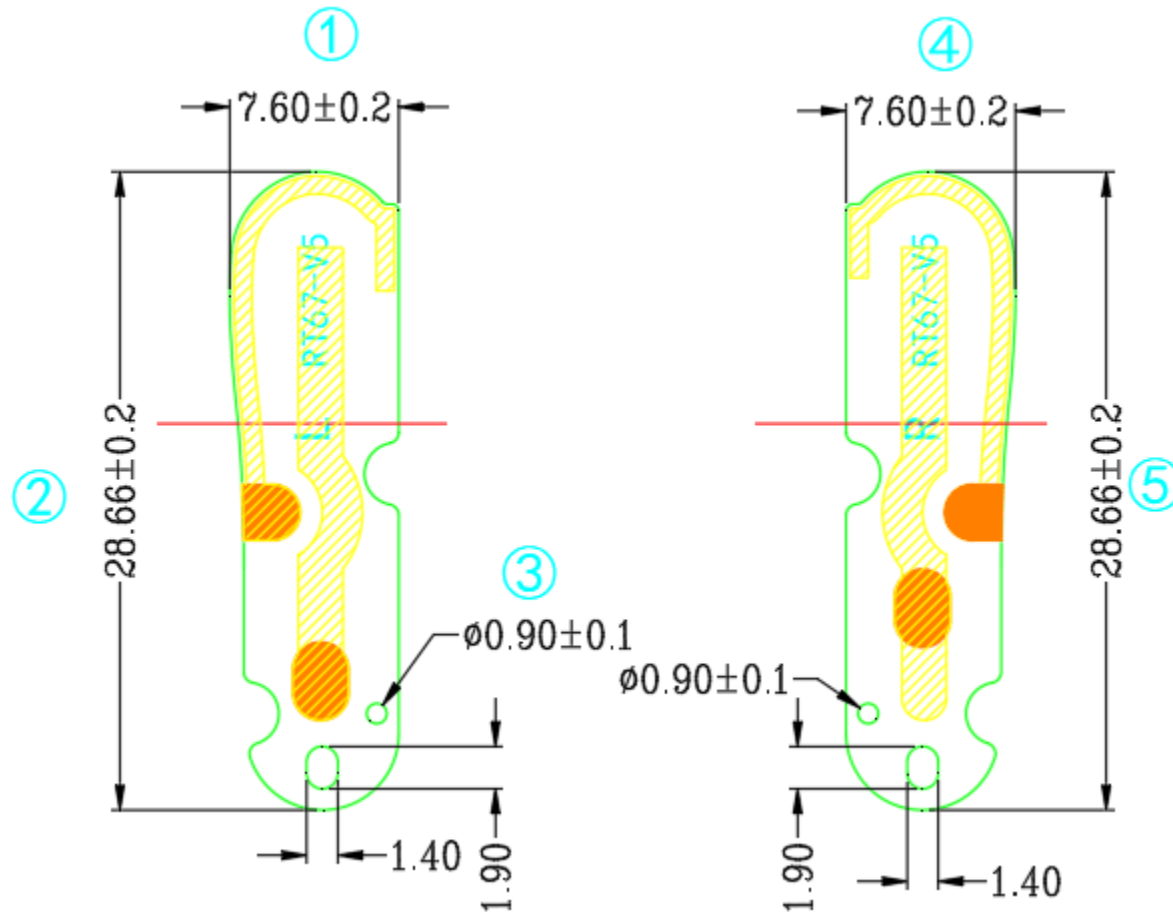
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FPC antenna drawings





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Thanks for Your Attention