

2.4 OTA Data

2.4.1 Free space -L

	Channel	TRP (dBm)	TIS (dBm)
L	0	3.6	-88.4
	39	4.0	-88.5
	78	4.2	-88.3

2.4.2 Free Space -R

	Channel	TRP (dBm)	TIS (dBm)
R	0	3.5	-87.9
	39	3.9	-88.2
	78	4.0	-88.0

2.4.3 Head module data -L

	Channel	TRP (dBm)	TIS (dBm)
L	0	0.4	-84.2
	39	0.5	-84.4
	78	0.2	-84.1

2.4.4 Head module data -R

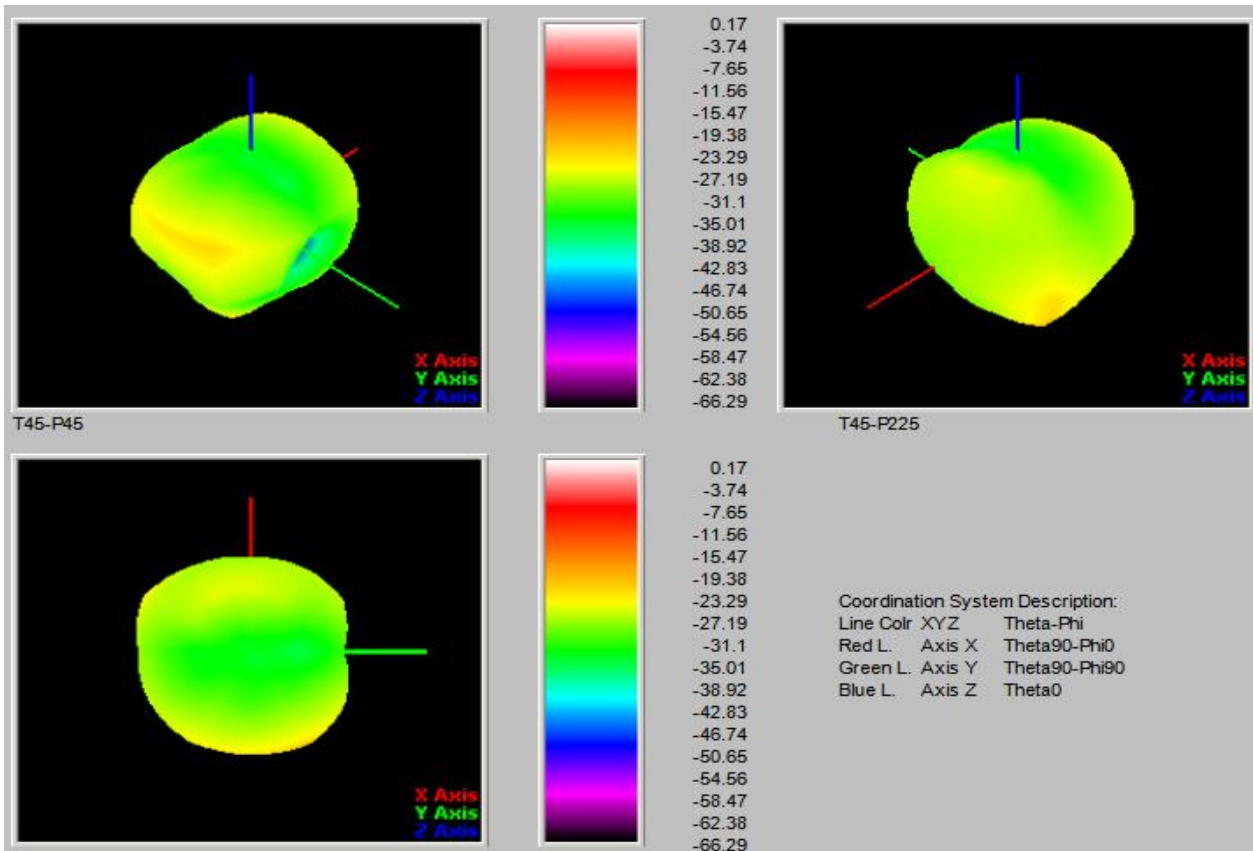
	Channel	TRP (dBm)	TIS (dBm)
R	0	0.2	-84.3
	39	0.4	-84.5
	78	0.3	-84.3

Frequency	efficiency	efficiency (dB)	Gain(dBi)	Frequency	efficiency	efficiency (dB)	Gain(dBi)
2400	23.5%	-6.18	-2.05	2400	9.2%	-6.28	-2.19
2410	24.1%	-6.09	-2.02	2410	9.6%	-6.19	-2.11
2420	24.6%	-5.97	-1.95	2420	10.1%	-6.05	-2.03
2430	25.2%	-5.86	-1.73	2430	10.7%	-5.97	-1.95
2440	25.7%	-5.71	-1.52	2440	11.5%	-5.83	-1.81
2450	26.2%	-5.65	-1.41	2450	12.3%	-5.74	-1.70
2460	25.6%	-5.69	-1.54	2460	11.7%	-5.81	-1.79
2470	25.2%	-5.85	-1.72	2470	11.2%	-5.88	-1.86
2480	24.7%	-5.94	-1.92	2480	10.6%	-5.99	-1.97
free-L				Head ear-L			

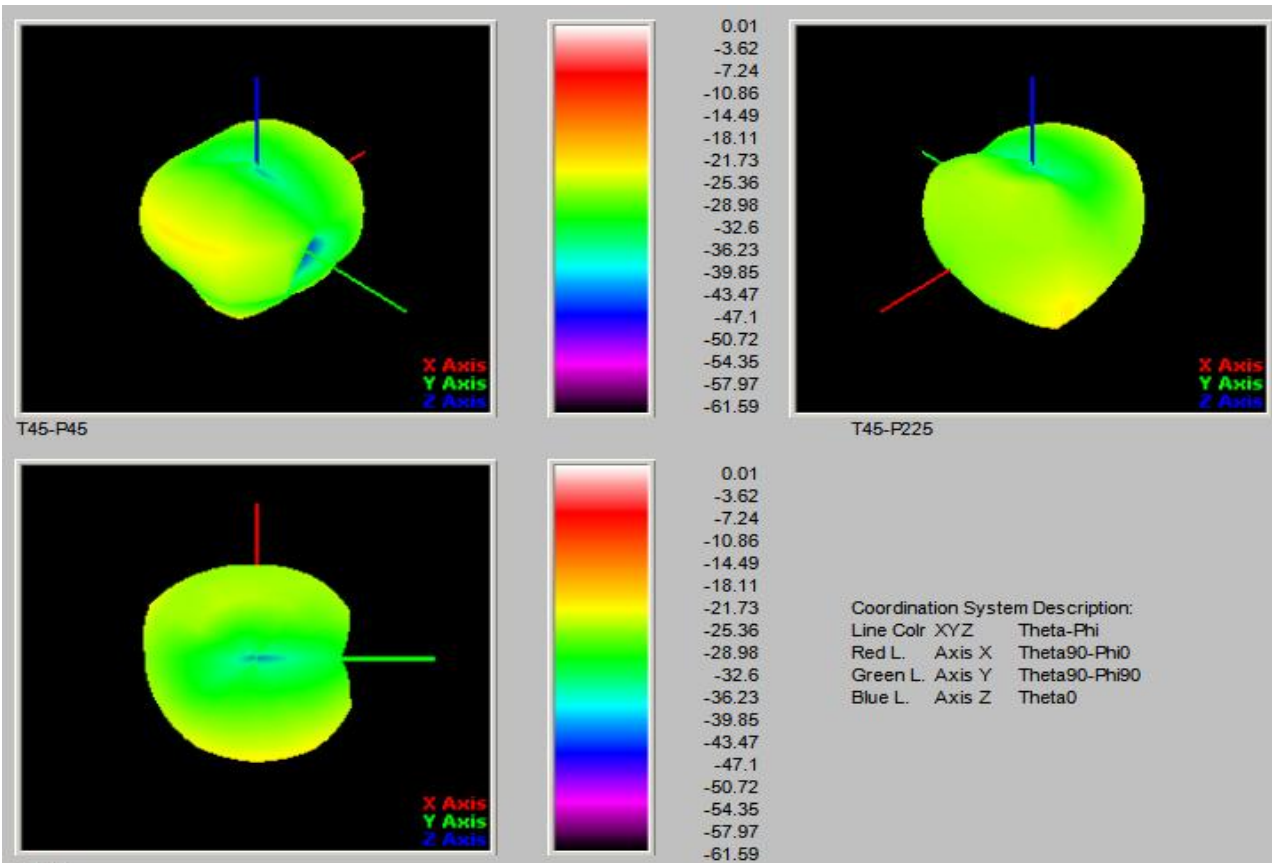
Frequency	efficiency	efficiency (dB)	Gain(dBi)	Frequency	efficiency	efficiency (dB)	Gain(dBi)
2400	23.2%	-6.21	-2.11	2400	9.0%	-6.35	-2.23
2410	23.7%	-6.12	-2.06	2410	9.4%	-6.24	-2.15
2420	24.1%	-6.03	-2.01	2420	9.9%	-6.12	-2.07
2430	24.6%	-5.91	-1.82	2430	10.4%	-6.05	-2.00
2440	25.0%	-5.79	-1.61	2440	11.1%	-5.89	-1.88
2450	25.9%	-5.68	-1.50	2450	11.6%	-5.78	-1.79
2460	25.3%	-5.74	-1.59	2460	11.2%	-5.85	-1.83
2470	24.8%	-5.88	-1.78	2470	10.8%	-5.91	-1.91
2480	24.4%	-5.97	-1.95	2480	10.3%	-6.03	-2.02
free-R				Head ear-R			

2.5 Direction Chart -L

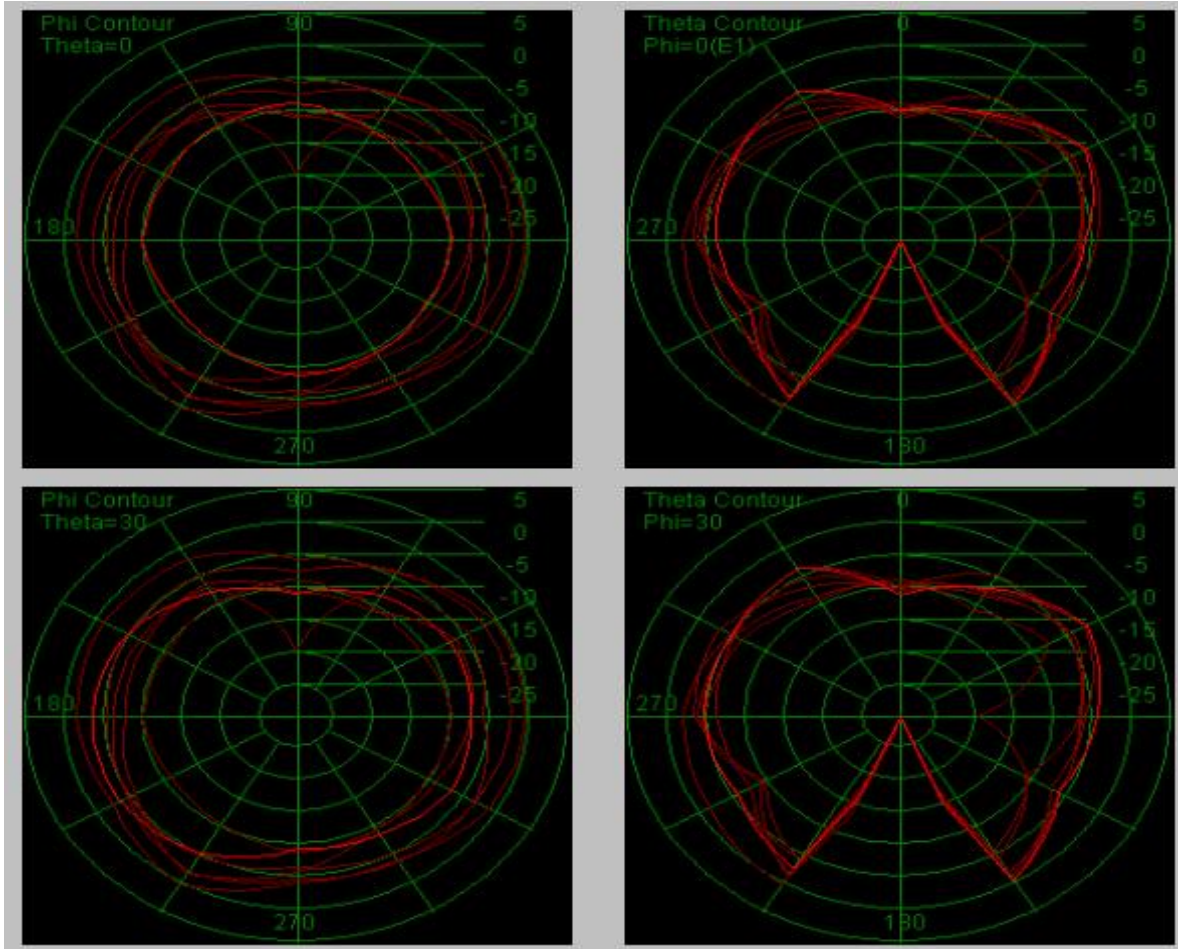
L-freespace



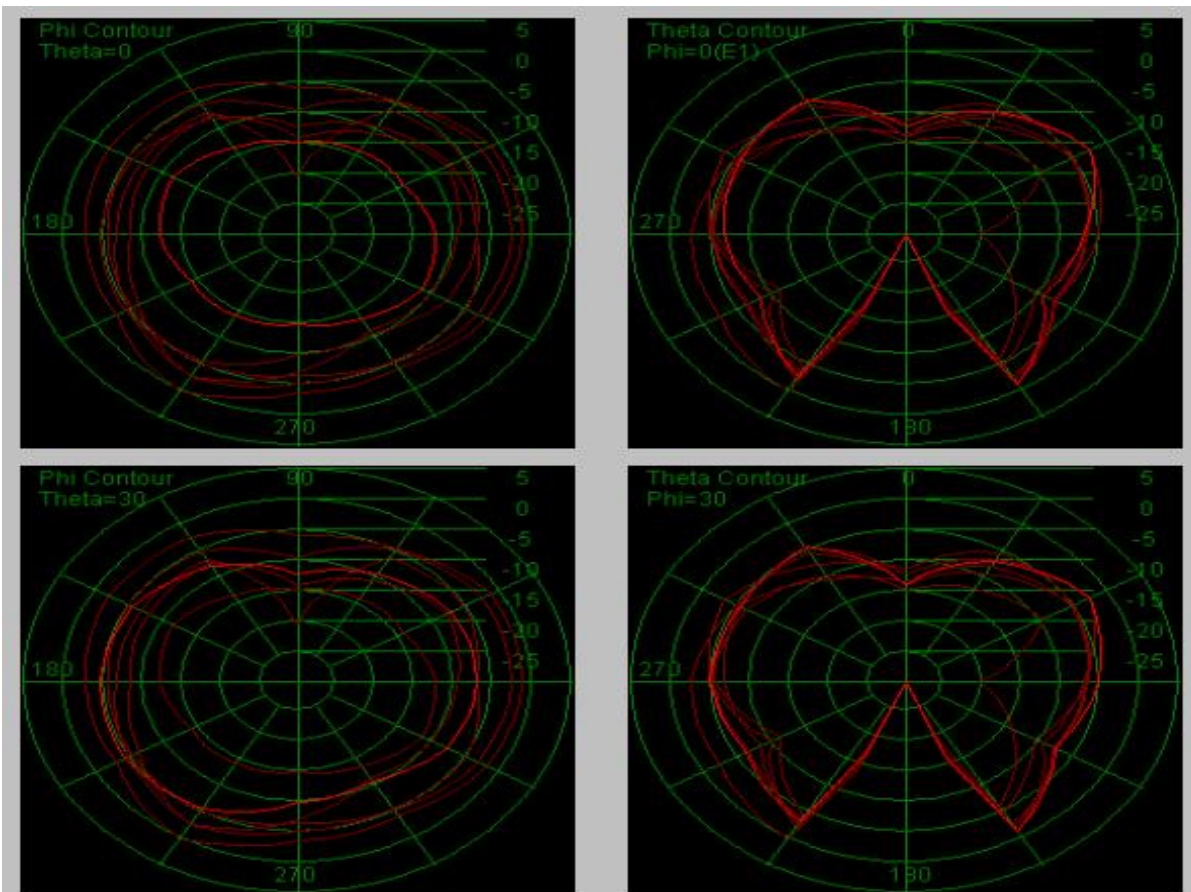
L-Headear



L-freespace

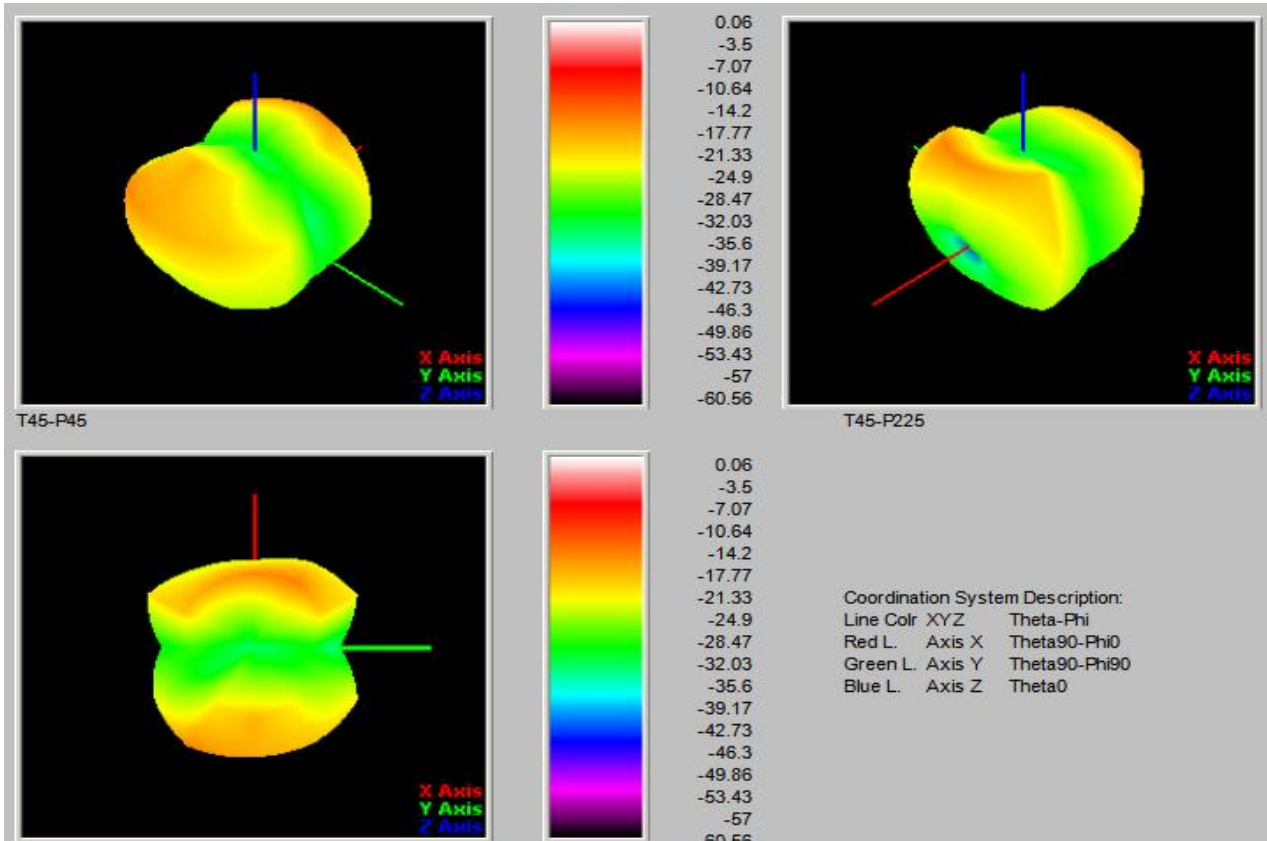


L-headear

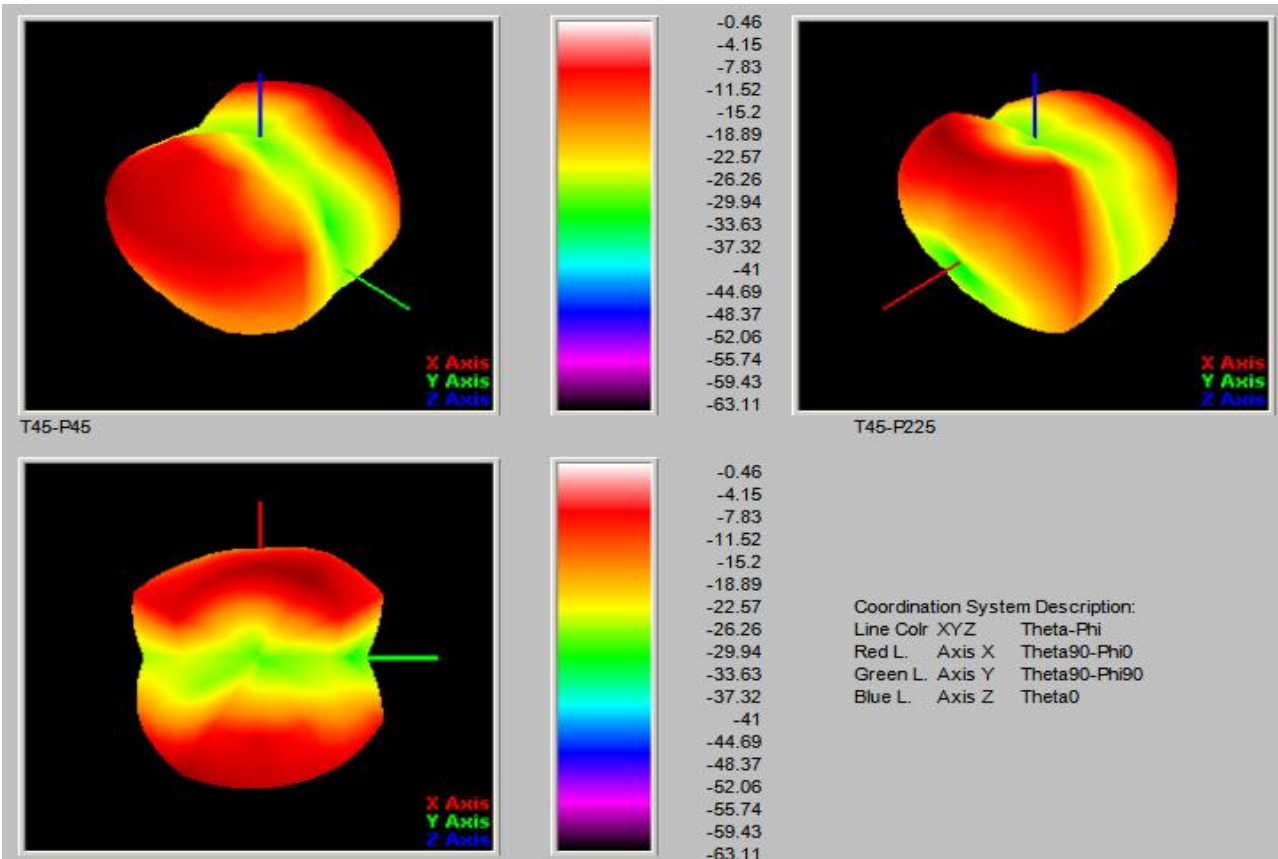


2.6 Direction Chart -R

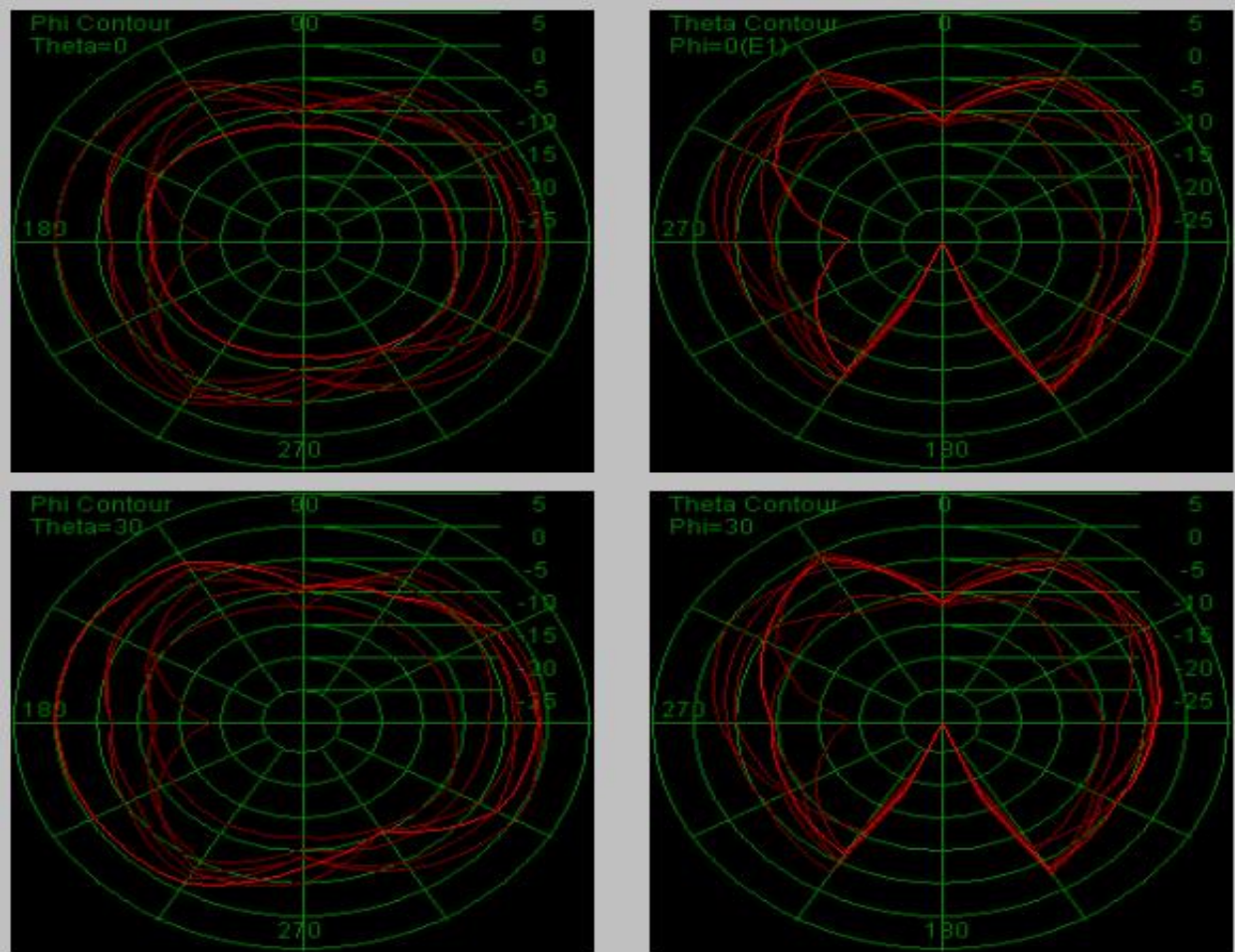
R-freespace



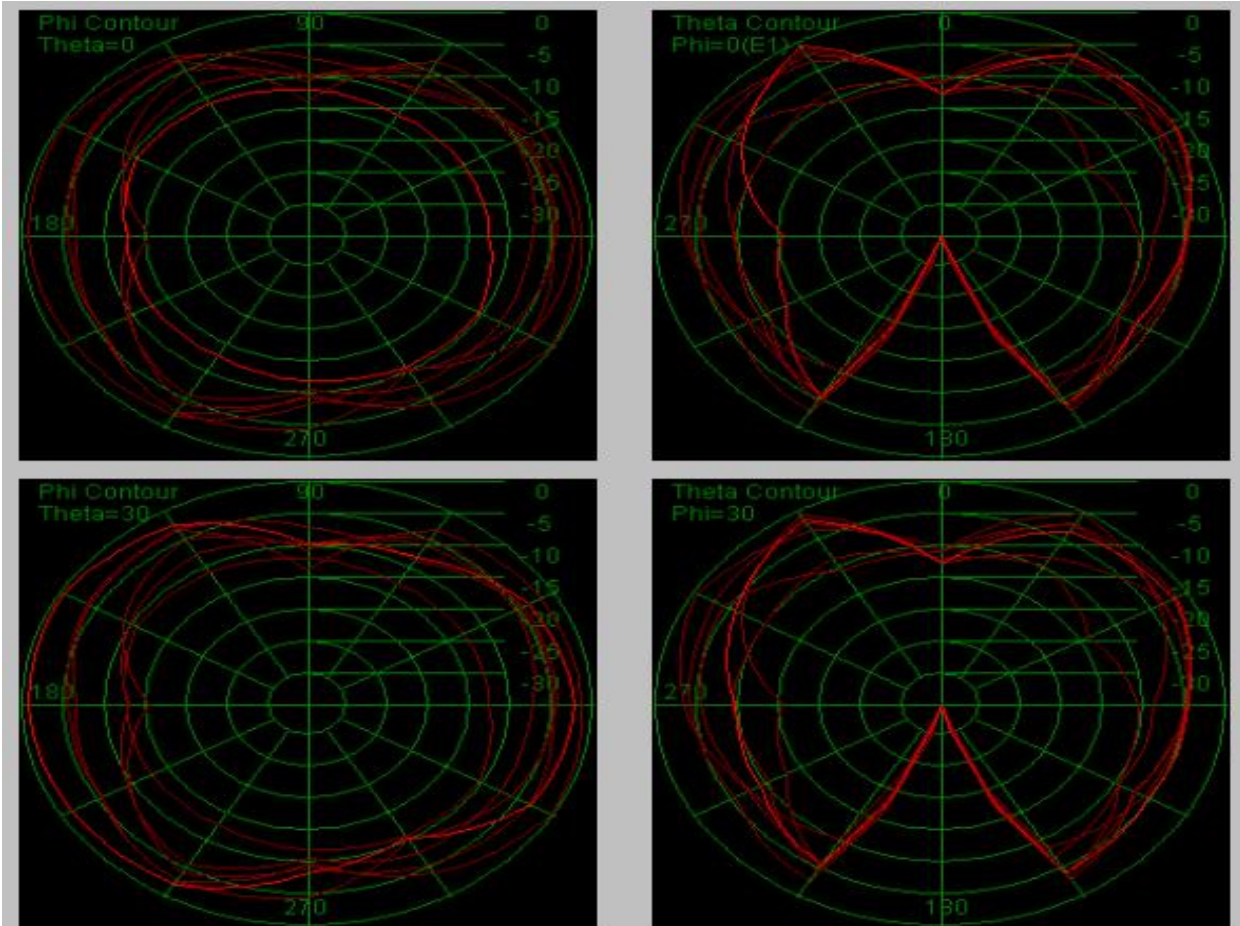
R-headear



R-freespace



R-headear



3 Structural drawings

3.1 Left earphone

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1		2		3		4																						
<p>skills requirement:</p> <table border="1"> <tr> <td>1.PPC substrate specifications:</td> <td>PI substrate:</td> <td>Electrolytic copper (1 to half)</td> </tr> <tr> <td>2.Electroplating specifications:</td> <td>Electrolytic copper:</td> <td>0.5oz (ED)</td> </tr> <tr> <td>3.Surface ink requirements:</td> <td>Double-sided tape:</td> <td>TESA 68532</td> </tr> <tr> <td></td> <td>Nickel plated:</td> <td>3.8um;</td> </tr> <tr> <td></td> <td>Surface ink color:</td> <td>Mat black</td> </tr> <tr> <td></td> <td>Printing font color:</td> <td>Bright black</td> </tr> <tr> <td></td> <td>Printing font height:</td> <td>According to drawings</td> </tr> </table>								1.PPC substrate specifications:	PI substrate:	Electrolytic copper (1 to half)	2.Electroplating specifications:	Electrolytic copper:	0.5oz (ED)	3.Surface ink requirements:	Double-sided tape:	TESA 68532		Nickel plated:	3.8um;		Surface ink color:	Mat black		Printing font color:	Bright black		Printing font height:	According to drawings
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	Surface ink color:	Mat black																										
	Printing font color:	Bright black																										
	Printing font height:	According to drawings																										
<p>4. Reliability requirements:</p> <ol style="list-style-type: none"> 1. Reliability test: salt spray test\rubber friction test\alcohol resistance test\100 grid test. 2. The front ink, the surface of the ink is required to be folded in half without cracking, scorching, etc. 																												
<p>5. Tolerance requirements:</p> <ol style="list-style-type: none"> 1. Shape tolerance ± 0.10; 2. Copper foil circuit tolerance ± 0.05; 3. The position of the copper foil to the shape is ± 0.15; 4. Hole-to-hole position tolerance ± 0.10, hole-to-shape position tolerance ± 0.15; 5. The size tolerance of gold finger is ± 0.20. 6. For other unmarked dimensions, refer to 2D drawings. 																												
<p>6. Key control size:</p> <p>The dimensions marked with numbers are regarded as important dimensions, and the others refer to 2D drawings</p>																												
<p>7. Environmental requirements:</p> <p>Parts meet RH62.0/HF/Reach/GP environmental protection requirements</p>																												
<p>8. Packaging requirements:</p> <p>Packed in PE bags, the quantity of each bag is 100PCS, there is a mark on the outside of the bag</p>																												
DATE		Modify the content		Version		Revise																						
1		2		3		4																						

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Shenzhen Yu Sheng Communication Equipment Co., Ltd.							
Model		A3982		DATE		20230331	
Name		L-BT-PPC		Design		JFB	
Part NO		098012-1A		Review		MD JFB	
Material quality		Electrolytic copper (1 to half)		RF		CHH	
Kiln surface treatment				confirm			
Appearance treatment				UNIT		mm	
位置				比例		PTT	
1		2		3		4	
5		6		7		8	

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