



客户名称	博海深衡	客户项目负责人	晏工
项目名称	BHSH-钓鱼声纳 BHY	调试频段	2.4G
天线类型	Wire antenna	测试日期	2022-11-05
射频工程师	庄工	结构工程师	黄工



深圳市红心科技电子有限公司

电话：0755-23205219

官网：<http://www.hxrf-antenna.com/>

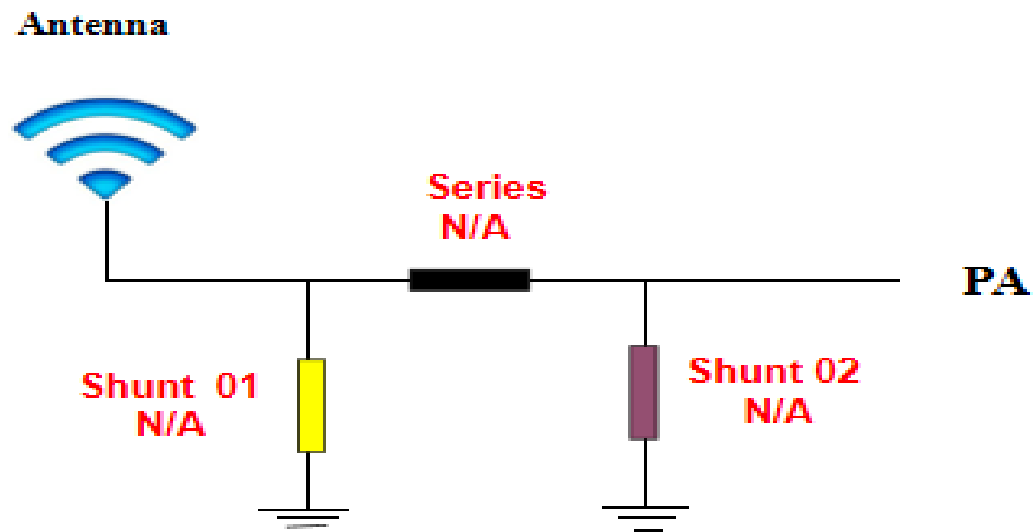
地址：深圳市宝安区西乡街道固兴社区新安第二工业区C10栋西面2楼

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Ground processing

HX-RF18-28A2-BHSH



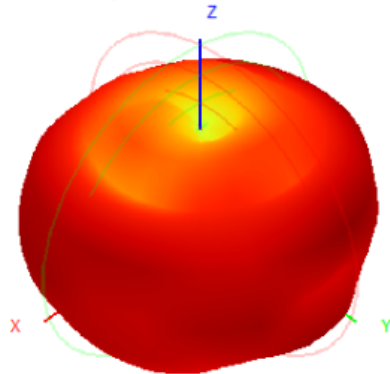


Location	Description
Shunt 01	N/A
Series	N/A
Shunt 02	N/A

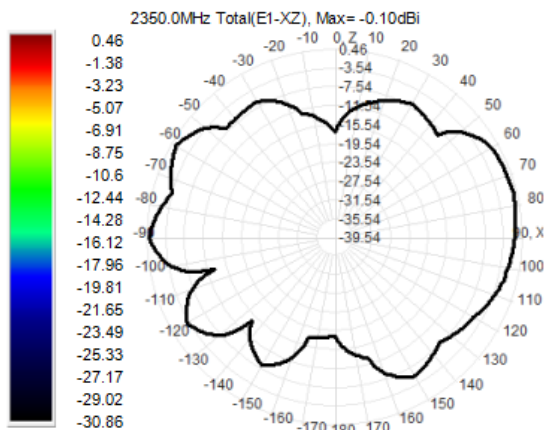
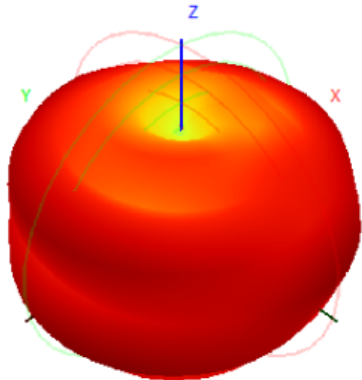
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	2300.0	2310.0	2320.0	2330.0	2340.0	2350.0	2360.0	2370.0	2380.0	2390.0	2400.0	2410.0	2420.0	2430.0	2440.0
Efficiency (dBi)	-4.93	-4.62	-4.43	-4.22	-3.83	-3.70	-3.34	-3.21	-2.93	-2.83	-2.47	-2.41	-2.13	-2.01	-1.86
Gain (dBi)	0.31	0.49	0.44	0.40	0.47	0.46	0.89	1.09	1.38	1.43	1.59	1.43	1.64	1.63	1.64
Efficiency (%)	32.17	34.51	36.04	37.81	41.36	42.69	46.36	47.71	50.95	52.15	56.58	57.43	61.30	62.99	65.13

Frequency ID	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Frequency (MHz)	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	2510.0	2520.0	2530.0	2540.0	2550.0	2560.0	2570.0	2580.0	2590.0	2600.0
Efficiency (dBi)	-1.70	-1.63	-1.50	-1.44	-1.27	-1.22	-1.05	-1.09	-0.95	-0.94	-0.95	-0.82	-0.98	-0.83	-1.03	-0.91
Gain (dBi)	1.91	1.99	2.33	2.52	2.74	2.68	2.66	2.36	2.40	2.47	2.52	2.73	2.58	2.67	2.28	2.21
Efficiency (%)	67.58	68.63	70.76	71.73	74.63	75.51	78.61	77.80	80.38	80.57	80.36	82.74	79.84	82.59	78.90	81.04

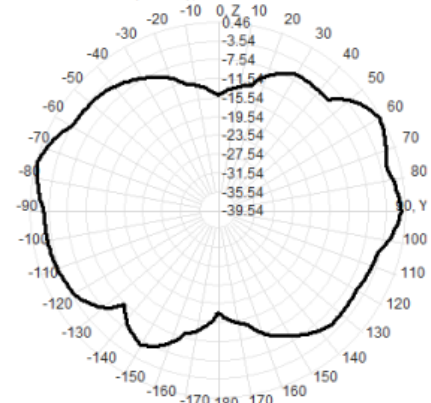
2350.0MHz H+V, Eff: 42.7%



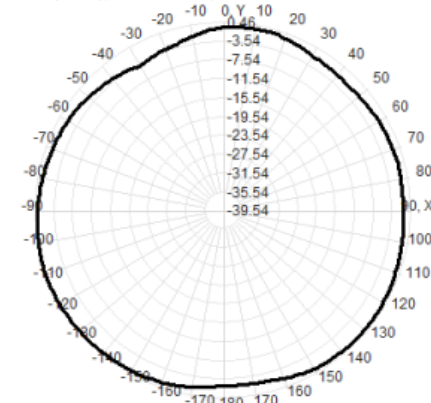
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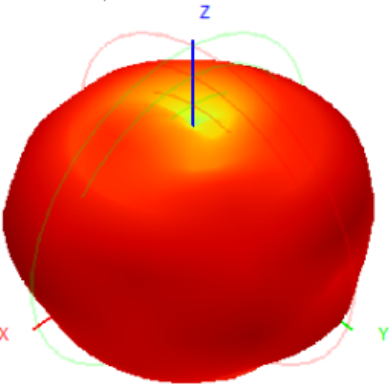
2350.0MHz Total(E2-YZ), Max=0.13dBi



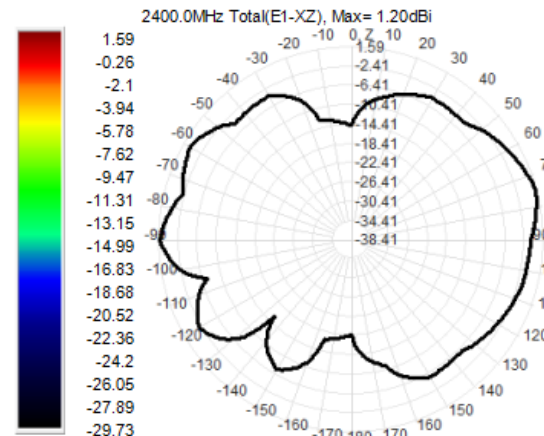
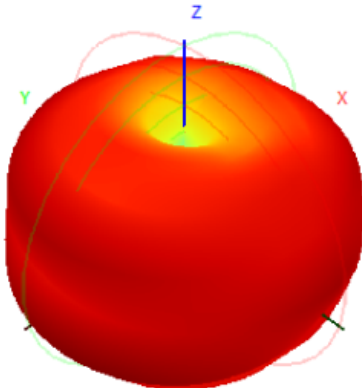
Total(H-XY), Max=0.46dBi, CirD=4.62



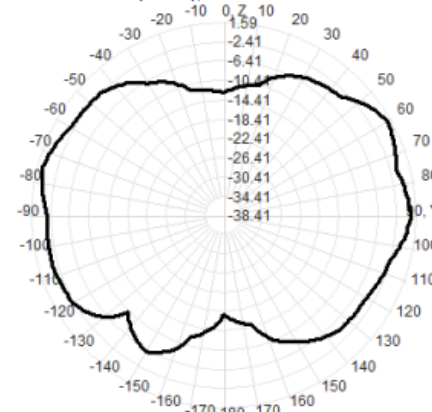
2400.0MHz H+V, Eff: 56.6%



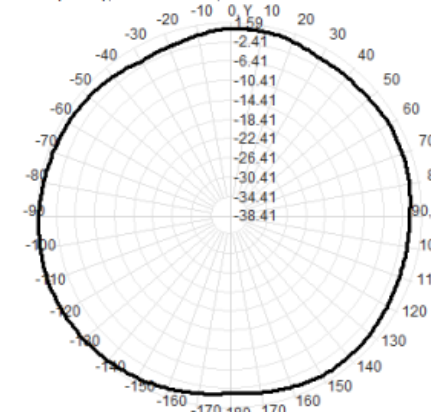
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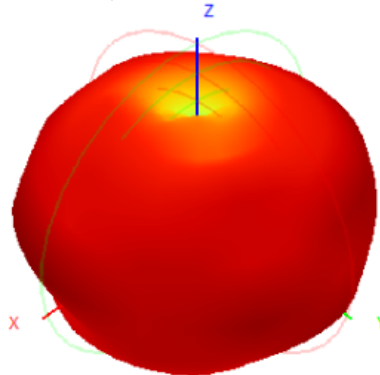
2400.0MHz Total(E2-YZ), Max=0.72dBi



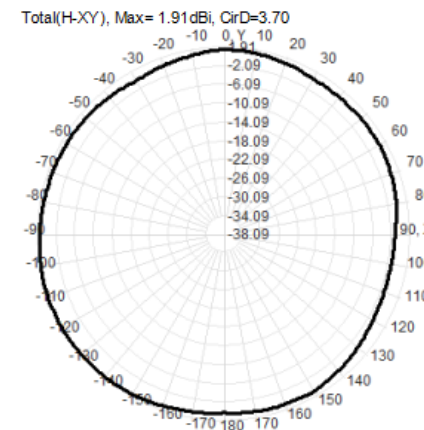
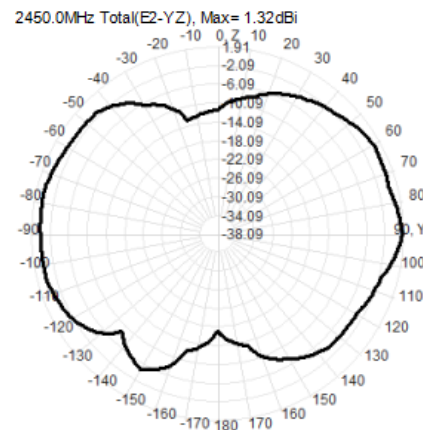
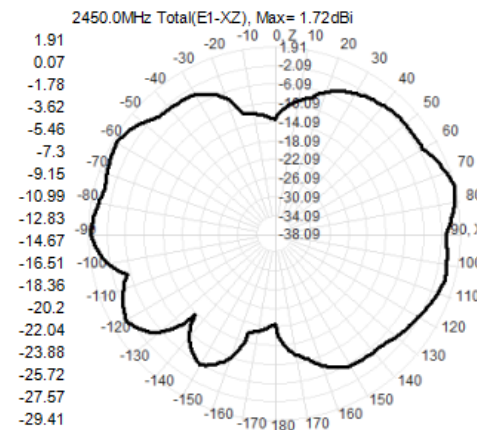
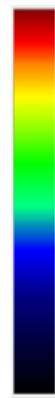
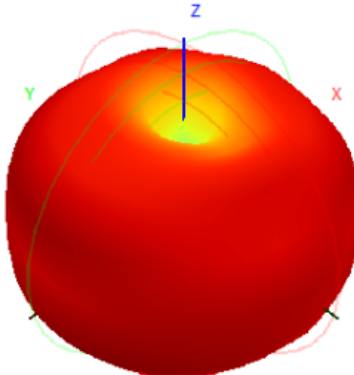
Total(H-XY), Max=1.59dBi, CirD=3.38



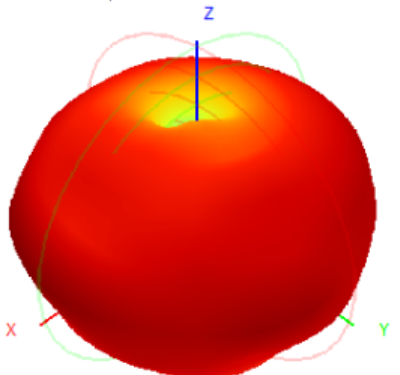
2450.0MHz H+V, Eff: 67.6%



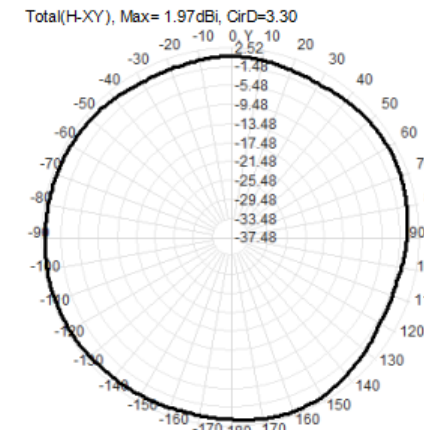
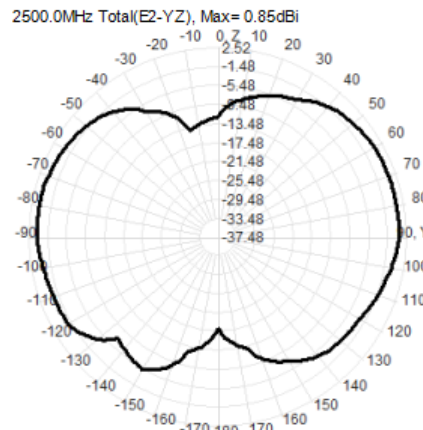
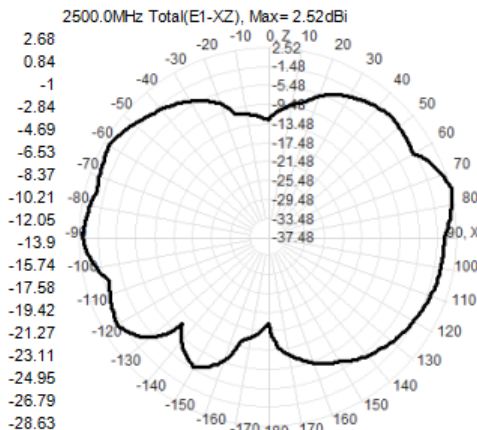
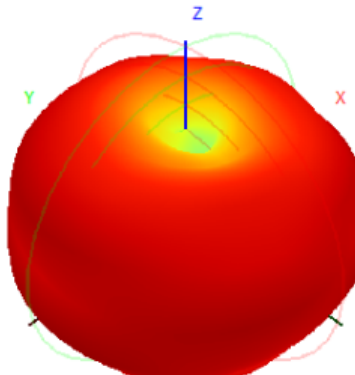
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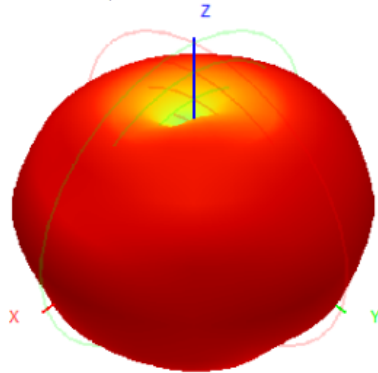
2500.0MHz H+V, Eff: 75.5%



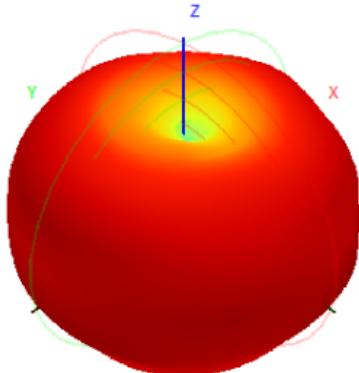
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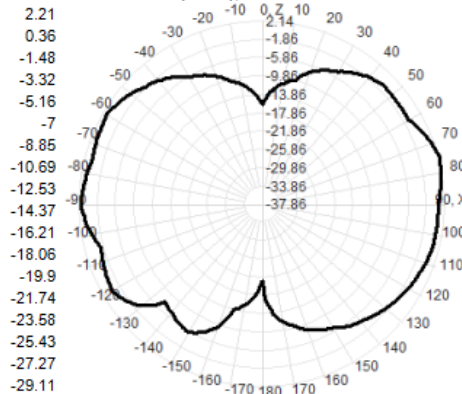
2600.0MHz H+V, Eff: 81.0%



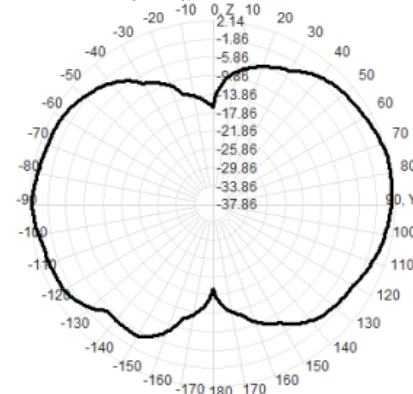
Back View



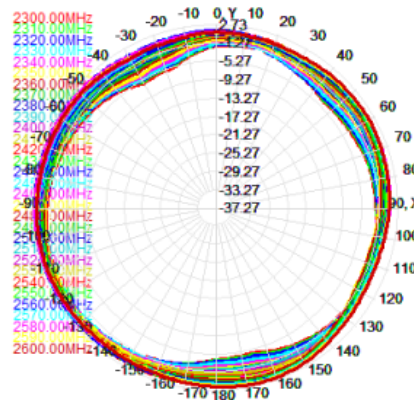
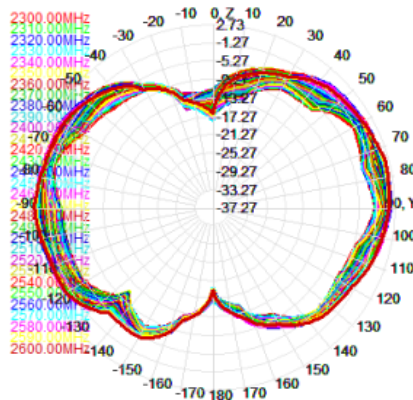
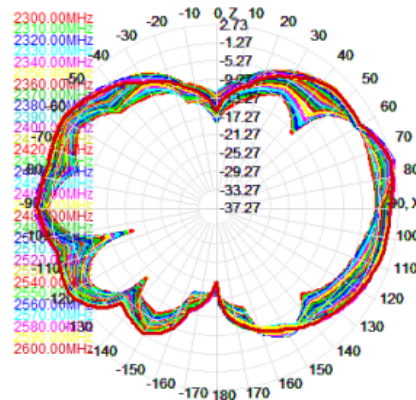
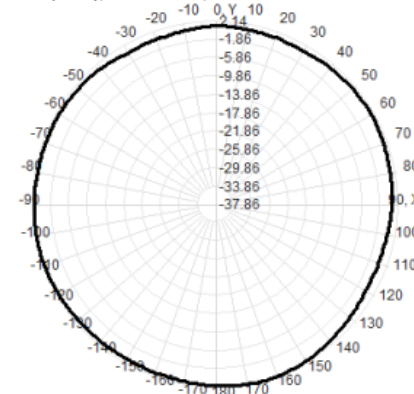
2600.0MHz Total(E1-XZ), Max= 2.14dBi



2600.0MHz Total(E2-YZ), Max= 1.63dBi



Total(H-XY), Max= 2.02dBi, CirD=2.15



THANKS

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地址：深圳市宝安区西乡街道固兴社区新安第二工业区C10栋西面2楼