



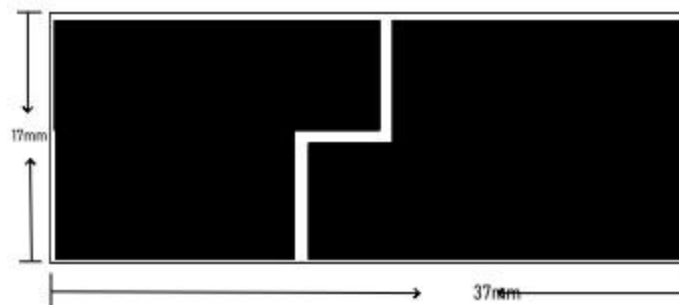
专业的4G/3G/GPS/WIFI等天线方案设计及供应商

客户名称	乐行天下	客户项目负责人	周生
项目名称	4G FPC天线	调试频段	800-2700MHz
天线型号	HX-FPC4G-4015-120B1	测试日期	2022-12-02
射频工程师	庄工	结构工程师	黄工



Contents

- 1: Antenna Overview & Dimension
- 2: The test project
 - 1. Antenna Matching Network
 - 2. VSWR
 - 3. Gain & Efficiency
 - 4. 3D Date
- 5. The Free Space 3D Date/The Free Space 2D Date 3 :
Ground processing



Applicant: Shenzhen Red Heart Technology Electronics Co., LTD

Address: 201, Building C10, Xin 'an Second Industrial Zone, Guxing Community, Xixiang Street, Baoan District, Shenzhen

Manufacturer: Shenzhen Red Heart Technology Electronics Co., LTD

Address: 201, Building C10, Xin 'an Second Industrial Zone, Guxing Community, Xixiang Street, Baoan District, Shenzhen

深圳市红心科技电子有限公司

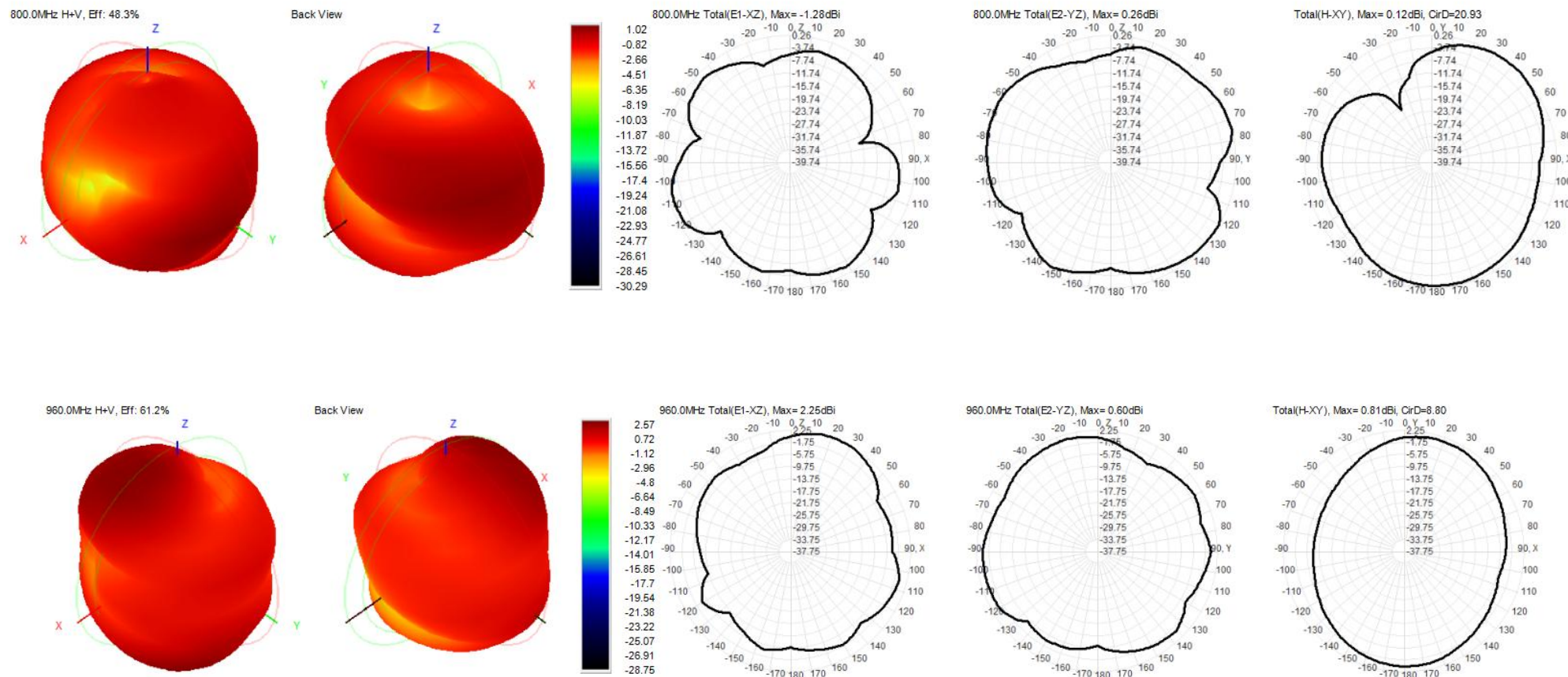
电话: 0755-23205219

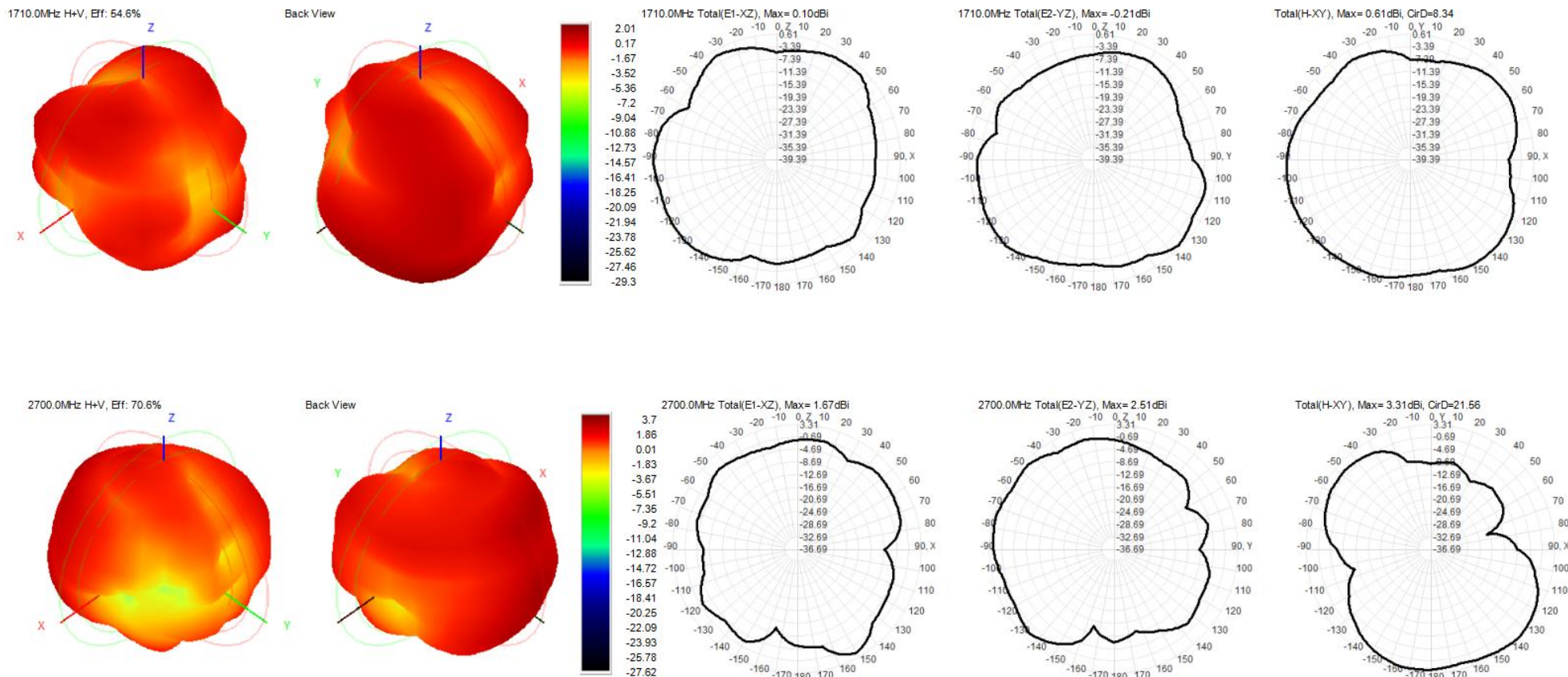
官网: <http://www.hxrf-antenna.com/>

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

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Frequency (MHz)	800.0	850.0	880.0	885.0	890.0	895.0	900.0	925.0	950.0	960.0	970.0	975.0	980.0	1710.0	1790.0	1800.0
Efficiency (dBi)	-3.16	-2.03	-2.15	-2.45	-2.52	-2.24	-1.86	-1.41	-1.83	-2.13	-2.56	-2.83	-3.13	-2.63	-2.72	-2.57
Gain (dBi)	1.02	2.51	2.97	2.58	3.00	3.39	3.35	2.87	2.83	2.57	2.17	1.91	1.66	2.01	1.83	2.39
Efficiency (%)	48.26	62.70	60.95	56.86	56.00	59.66	65.13	72.27	65.68	61.24	55.50	52.15	48.69	54.56	53.49	55.36

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1810.0	1880.0	1890.0	1900.0	1910.0	1920.0	1930.0	1940.0	1950.0	1960.0	2100.0	2160.0	2170.0	2400.0	2450.0	2500.0	2510.0	2600.0	2660.0	2670.0	2680.0	2690.0	2700.0
-2.43	-1.59	-1.40	-1.26	-1.21	-1.21	-1.28	-1.33	-1.36	-1.38	-1.64	-1.73	-1.61	-1.80	-2.39	-2.34	-2.29	-1.43	-1.40	-1.30	-1.36	-1.32	-1.51
2.82	4.76	4.46	4.18	3.94	3.91	3.77	3.70	3.67	3.68	3.27	3.23	3.45	3.65	4.22	3.28	2.97	3.30	3.83	4.01	3.97	3.97	3.70
57.17	69.28	72.52	74.75	75.71	75.67	74.41	73.54	73.05	72.78	68.60	67.20	69.01	66.01	57.61	58.30	59.00	71.90	72.48	74.20	73.09	73.76	70.58





THANKS

签名：周锟炜