

规格书 specification

客 户
Customer : 昊一源

客户料号
Customer P/N:

产品名称
Part Name: External direct antenna

皇捷料号
HJ P/N: 3D0101BK02-001

规格描述
Spec Description : Radio frequency antenna assembly Direct
Connection external antenna,CD445 black,
copper tube structure,RG178 wire +SMA male
and female needle

编制日期
Prepared Date: 4月20日

签署Signature

客户Customer		供应商Supplier	
承认 Confirmed by		编制 Prepared by	S.He
批准 Approved by		审核 Checked by	何修明
		批准 Approved by	

东莞市皇捷通讯科技有限公司

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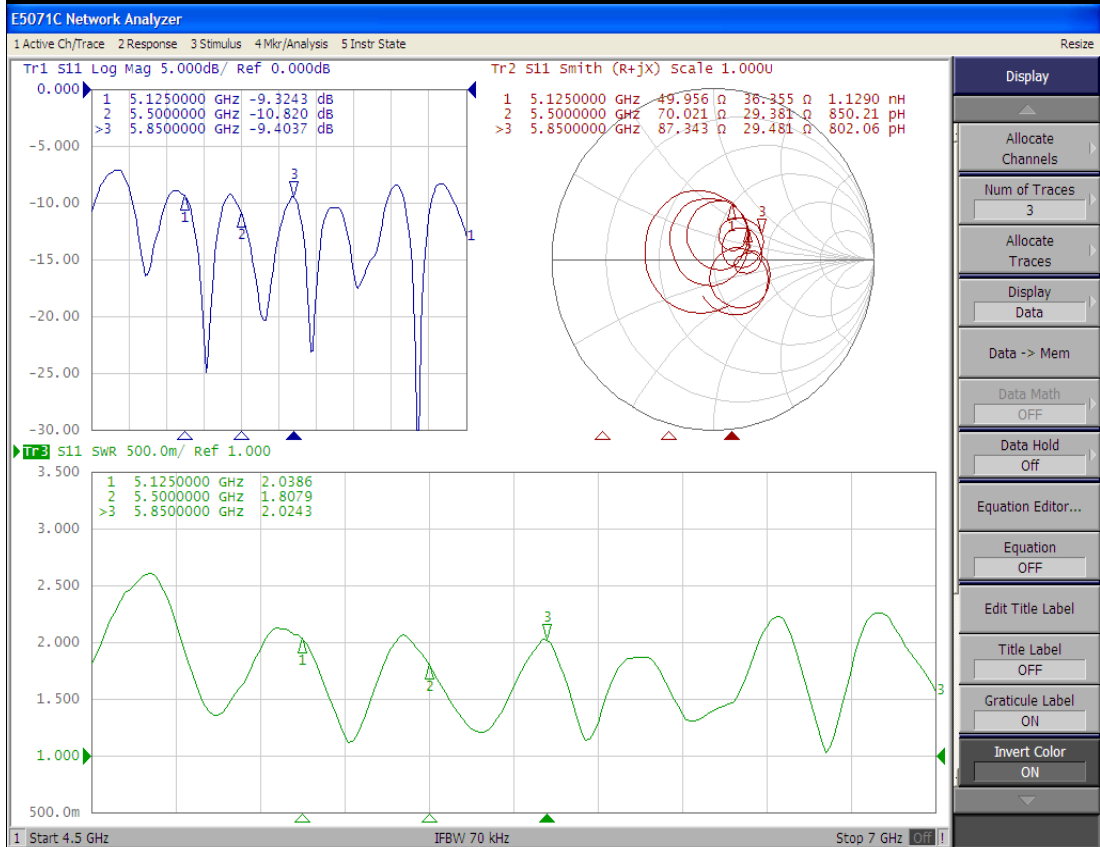
东莞市皇捷通讯科技有限公司

天线电气特性测试报告

Antenna Electrical Characteristic Test Report

文件编号:HJ-QR-Q-22 Rev:A0

产品料号 Part Number:	3C0819N02-001	测试项目 Item	规格 Spec	结果判定 Judge
产品名称 Part Name:	Radio frequency antenna assembly Direct Connection external antenna,CD445 black, copper tube structure,RG178 wire +SMA male and female needle	VSWR 驻波比	≤ 2.5	pass
测试设备 Test Equipment	暗室darkroom	Characteristic impedance 特性阻抗	50 Ω	pass
数 量 Quantity	5pcs	Max Gain 增 益	3.0dBi	
测试日期 Test Date	2022/4/20			





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天线电气特性测试报告

Antenna Electrical Characteristic Test Report

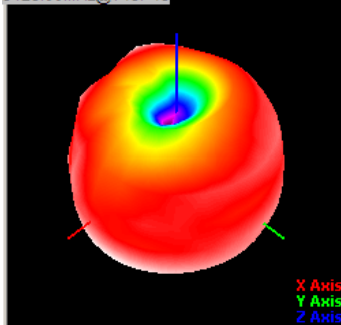
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数量 Quantity	5pcs	Max Gain 增益	3.0dBi	
测试日期 Test Date	2022/4/20			

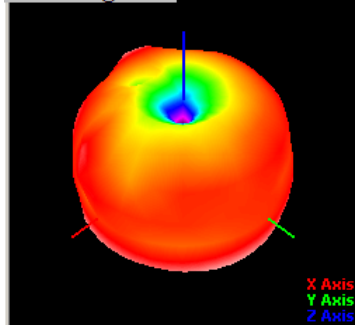
FETUKEJI

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	5125.0	5175.0	5225.0	5275.0	5325.0	5375.0	5425.0	5475.0	5525.0	5575.0	5625.0	5675.0	5725.0	5775.0	5825.0
Point Values															
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-3.68	-2.80	-2.55	-3.41	-3.91	-3.12	-2.89	-3.85	-3.77	-3.91	-4.80	-4.53	-3.87	-3.74	-4.24
Peak EIRP (dBm)	0.42	1.07	1.07	0.39	-0.49	0.64	0.86	-0.47	-0.09	0.09	-0.53	-0.40	0.30	0.07	-0.58
Directivity (dBi)	2.98	3.00	2.94	2.84	2.89	2.95	2.93	2.81	2.85	3.00	2.99	3.00	2.97	2.88	2.91
Efficiency (dB)	-1.89	-1.22	-1.95	-1.55	-0.98	-0.52	-0.36	-1.79	-0.81	-0.29	-2.22	-2.19	-1.93	-1.87	-1.62
Efficiency (%)	42.90	52.50	55.60	45.60	40.60	48.80	51.40	41.20	42.00	40.60	33.10	35.20	41.00	42.30	37.70
NHPRP $\pm$ Pi/4 (dBm)	-5.61	-4.74	-4.51	-5.42	-5.88	-5.09	-4.83	-5.78	-5.64	-5.73	-6.61	-6.35	-5.71	-5.59	-6.11
NHPRP $\pm$ Pi/6 (dBm)	-7.36	-6.51	-6.30	-7.25	-7.72	-6.95	-6.69	-7.65	-7.48	-7.53	-8.37	-8.11	-7.48	-7.42	-7.95
NHPRP $\pm$ Pi/8 (dBm)	-8.64	-7.78	-7.60	-8.59	-9.09	-8.34	-8.09	-9.06	-8.87	-8.84	-9.62	-9.32	-8.68	-8.66	-9.19
Upper Hem. PRP (dBm)	-6.83	-5.94	-5.69	-6.58	-7.08	-6.29	-6.07	-7.02	-6.94	-7.09	-8.00	-7.70	-7.01	-6.87	-7.40
Lower Hem. PRP (dBm)	-6.56	-5.68	-5.43	-6.28	-6.77	-5.97	-5.73	-6.70	-6.62	-6.76	-7.63	-7.40	-6.75	-6.63	-7.11
Upper Hem. PRP (%)	20.76	25.47	26.95	22.00	19.58	23.48	24.71	19.88	20.23	19.56	15.87	16.99	19.92	20.58	18.19
Lower Hem. PRP (%)	22.09	27.04	28.66	23.56	21.05	25.30	26.70	21.36	21.79	21.08	17.25	18.22	21.12	21.71	19.46

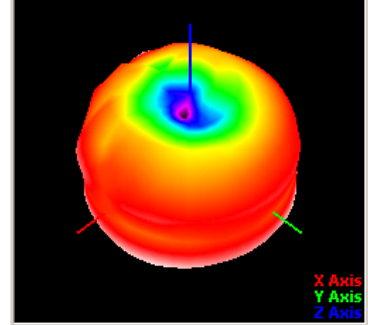
5125.00MHz@T45P45



5575.00MHz@T45P45



5825.00MHz@T45P45



审核Checker: 何修明

测试者Tester: S.He