

specification

Customer : Shenzhen Hollyland Technology Co., Ltd.

Customer P/N: _____

Part Name: External direct antenna

HJ P/N: 3D0101BK02-001

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

Prepared Date: 2022/4/20

Signature			
Customer		Supplier	
Confirmed by		Prepared by	SHEN HE
Approved by		Checked by	HE XIU
		Approved by	

东莞市皇捷通讯科技有限公司

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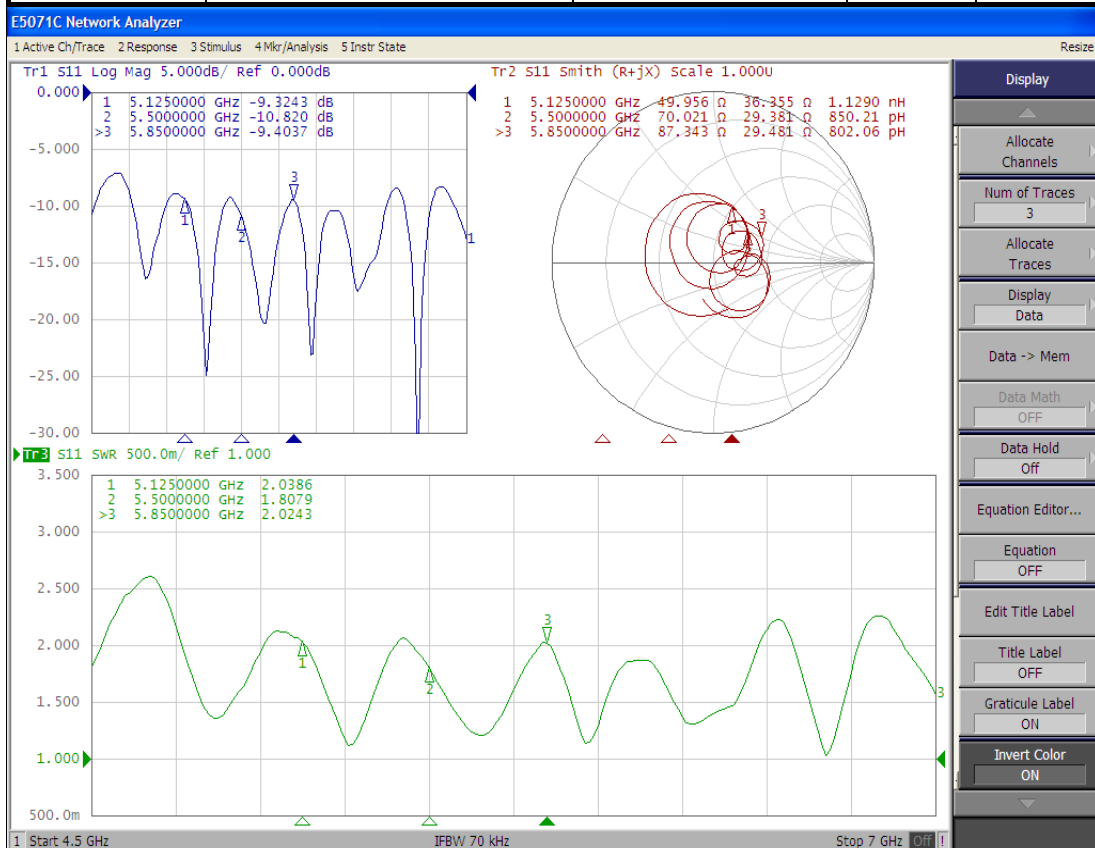
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Antenna Electrical Characteristic Test Report

DOCUMENT NUMBER:HJ-QR-Q-22 Rev:A0

Part Number:	3C0819N02-001	Item	Spec	Judge
Part Name:	Radio frequency antenna assembly Direct Connection external antenna,CD445 black, copper tube structure,RG178 wire +SMA male and female needle	VSWR	≤ 2.5	pass
Test Equipment	DARKROOM	Characteristic impedance	50 Ω	pass
Q uantity	5pcs			
Test Date	2022/4/20			





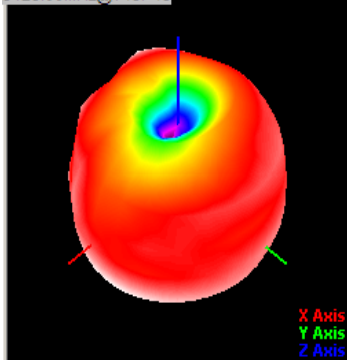
Antenna Electrical Characteristic Test Report

DOCUMENT NUMBER:HJ-QR-Q-22 Rev:A0

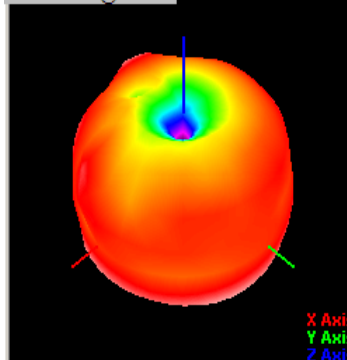
Part Number:	3C0819N02-001	Item	Spec	Judge
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Test Date	2022/4/20			

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)	-3.90	-3.00	-2.94	-3.63	-4.32	-3.33	-3.17	-4.10	-4.08	-4.08	-4.84	-4.60	-4.01	-3.89	-4.31
Peak EIRP (dBm)	-0.62	0.07	0.18	-0.05	-0.57	0.53	0.83	0.19	0.29	-0.02	-1.07	-1.02	-0.32	-0.14	-0.76
Directivity (dBi)	3.27	3.07	3.13	3.58	3.75	3.86	4.00	4.28	4.37	4.06	3.77	3.58	3.69	3.75	3.55
Efficiency (dB)	-3.90	-3.00	-2.94	-3.63	-4.32	-3.33	-3.17	-4.10	-4.08	-4.08	-4.84	-4.60	-4.01	-3.89	-4.31
Efficiency (%)	40.80	50.10	50.80	43.40	37.00	46.50	48.20	38.90	39.10	39.10	32.80	34.70	39.70	40.80	37.10
Gain (dBi)	-0.62	0.07	0.18	-0.05	-0.57	0.53	0.83	0.19	0.29	-0.02	-1.07	-1.02	-0.32	-0.14	-0.76
NHPRP $\pm$ Pi/4 (dBm)	-4.59	-3.70	-3.61	-4.27	-4.97	-3.98	-3.85	-4.78	-4.77	-4.78	-5.54	-5.26	-4.63	-4.50	-4.91
NHPRP $\pm$ Pi/6 (dBm)	-5.70	-4.76	-4.65	-5.30	-6.02	-5.06	-4.95	-5.88	-5.87	-5.85	-6.58	-6.24	-5.58	-5.44	-5.87
NHPRP $\pm$ Pi/8 (dBm)	-6.56	-5.58	-5.46	-6.09	-6.84	-5.90	-5.83	-6.77	-6.75	-6.69	-7.38	-7.02	-6.35	-6.23	-6.67
Upper Hem. PRP (dBm)	-6.55	-5.68	-5.69	-6.39	-7.07	-6.06	-5.94	-6.93	-6.91	-6.87	-7.62	-7.50	-7.02	-6.99	-7.46
Lower Hem. PRP (dBm)	-7.30	-6.37	-6.23	-6.90	-7.61	-6.63	-6.44	-7.29	-7.28	-7.33	-8.09	-7.72	-7.02	-6.82	-7.18
Upper Hem. PRP (%)	22.15	27.01	26.96	22.95	19.62	24.76	25.45	20.26	20.37	20.58	17.29	17.77	19.87	20.01	17.93
Lower Hem. PRP (%)	18.63	23.08	23.81	20.41	17.36	21.74	22.72	18.68	18.70	18.50	15.53	16.91	19.88	20.79	19.16

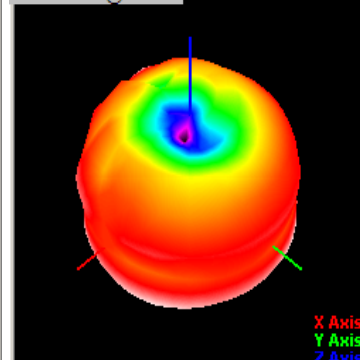
5125.00MHz@T45P45



5675.00MHz@T45P45



5825.00MHz@T45P45



Checker: HE XIU

Tester:

S.He