

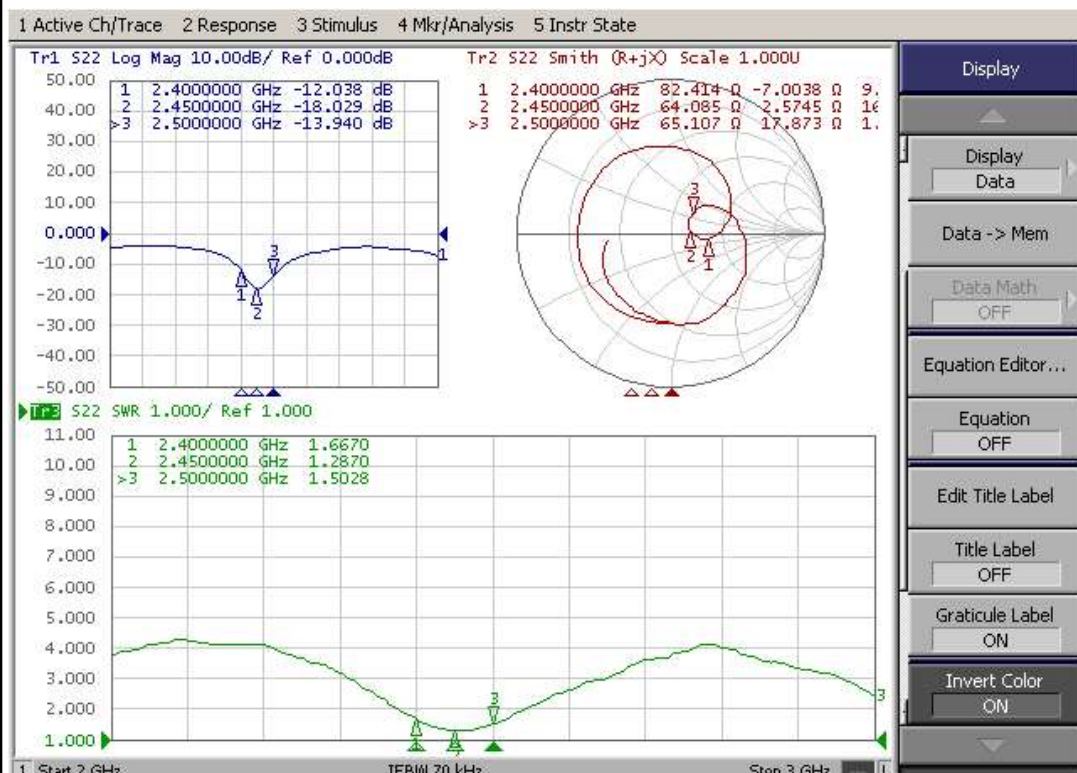


天线电气特性测试报告

Antenna Electrical Characteristic Test Report

文件编号:HJ-QR-Q-22 Rev:A0

产品料号 Part Number:	3N0102LG-009	测试项目 Item	规格 Spec	结果判定 Judge
产品名称 Part Name:	内置天线,1.13灰色银锡线,P1端焊接铜管+铜柱,P2端打一代端子,裁线245mm	VSWR 驻波比	≤ 2.0	pass
测试设备 Test Equipment	网络分析仪	Characteristic impedance 特性阻抗	50 Ω	pass
数量 Quantity	5pcs	Directivity 增益	50 $\pm$ dB <i>i</i>	
测试日期 Test Date	2022/05/11			





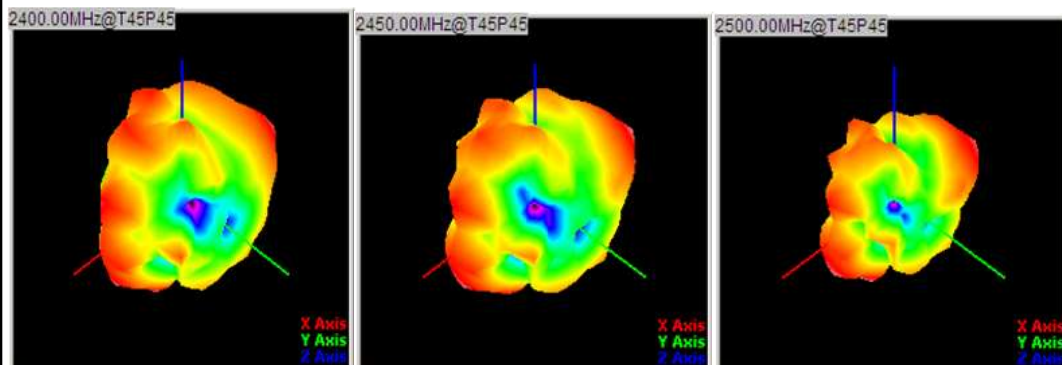
天线电气特性测试报告

Antenna Electrical Characteristic Test Report

文件编号:HJ-QR-Q-22 Rev:A0

产品料号 Part Number:	3N0102LG-009	测试项目 Item	规格 Spec	结果判定 Judge
产品名称 Part Name:	内置天线,1.13灰色银锡线,P1端焊接铜管+铜柱,P2端打一代端子,裁线=245mm	VSWR 驻波比	≤ 2.0	pass
测试设备 Test Equipment	暗室darkroom	Characteristic impedance 特性阻抗	50 Ω	pass
数量 Quantity	5pcs	Directivity 增益	5.08 dBi	
测试日期 Test Date	2022/5/11			

FETUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
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
Tot. Rad. Pwr. (dBm)	-2.28	-2.15	-2.26	-2.13	-2.22	-2.33	-2.24	-2.13	-2.36	-2.39	-2.33
Peak EIRP (dBm)	4.59	4.70	4.59	4.81	4.86	4.81	4.95	5.08	4.84	4.87	5.04
Directivity (dBi)	6.87	6.85	6.85	6.94	7.08	7.14	7.19	7.20	7.20	7.26	7.37
Efficiency (dB)	-2.28	-2.15	-2.26	-2.13	-2.22	-2.33	-2.24	-2.13	-2.36	-2.39	-2.33
Efficiency (%)	59.20	60.90	59.50	61.30	60.00	58.50	59.70	61.30	58.00	57.60	58.40
Gain (dBi)	4.59	4.70	4.59	4.81	4.86	4.81	4.95	5.08	4.84	4.87	5.04
NHPRP $\pm \pi/4$ (dBm)	-4.17	-3.98	-4.04	-3.87	-3.93	-4.02	-3.91	-3.79	-4.01	-4.03	-3.97
NHPRP $\pm \pi/6$ (dBm)	-5.92	-5.72	-5.79	-5.62	-5.67	-5.75	-5.63	-5.51	-5.74	-5.78	-5.73
NHPRP $\pm \pi/8$ (dBm)	-7.37	-7.19	-7.29	-7.14	-7.20	-7.29	-7.16	-7.04	-7.29	-7.34	-7.31
Upper Hem. PRP (dBm)	-5.64	-5.54	-5.67	-5.54	-5.64	-5.75	-5.67	-5.57	-5.82	-5.88	-5.86
Lower Hem. PRP (dBm)	-4.97	-4.82	-4.90	-4.77	-4.85	-4.97	-4.87	-4.74	-4.97	-4.97	-4.88
Upper Hem. PRP (%)	27.32	27.93	27.11	27.90	27.31	26.61	27.11	27.72	26.18	25.82	25.92
Lower Hem. PRP (%)	31.86	32.99	32.36	33.38	32.72	31.87	32.60	33.54	31.86	31.81	32.51



审核Checker: 何修明

测试者Tester: S.He

