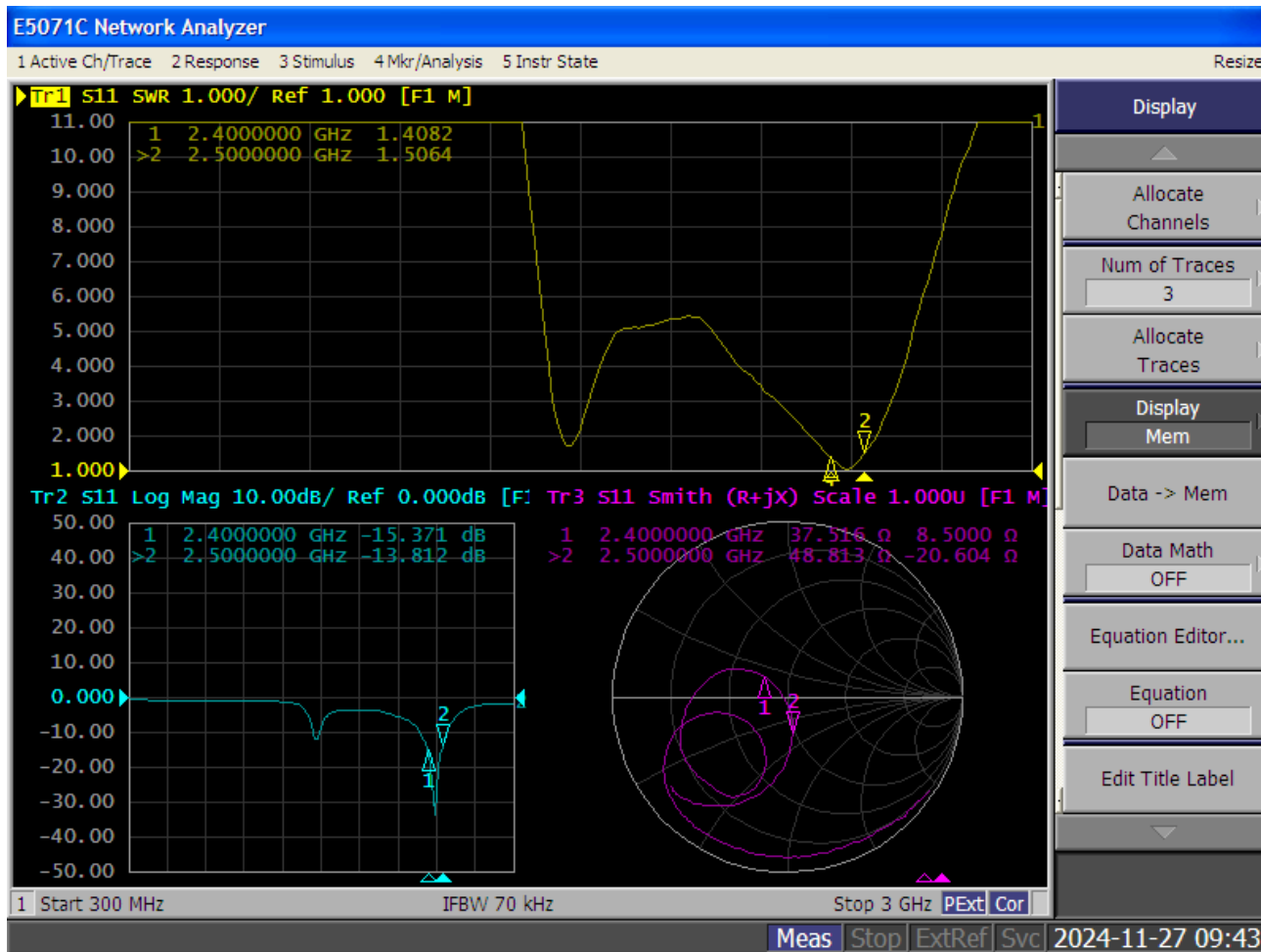
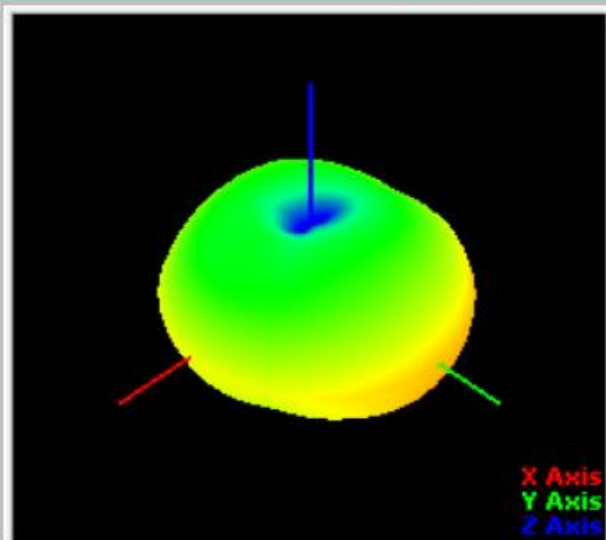


PCB onboard antenna: The matching is changed to the antenna incoming string 3.3nh, and then 2pf, the standing wave has been adjusted OK, and the darkroom 2.4G efficiency is 40-60%



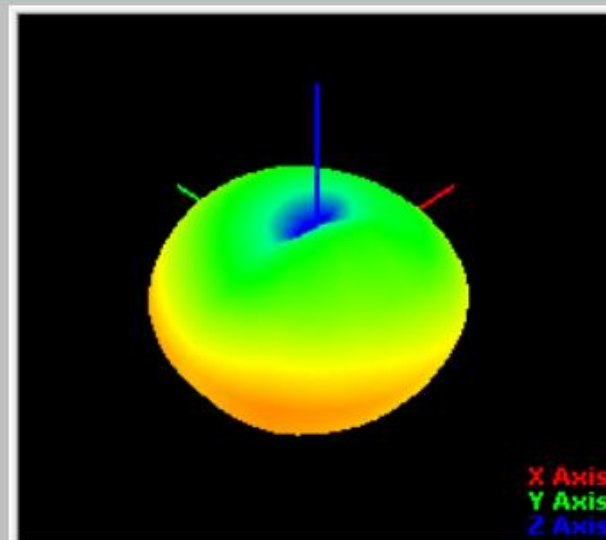
Manufacturer: Hubei Gongming Circuit Co., LTD



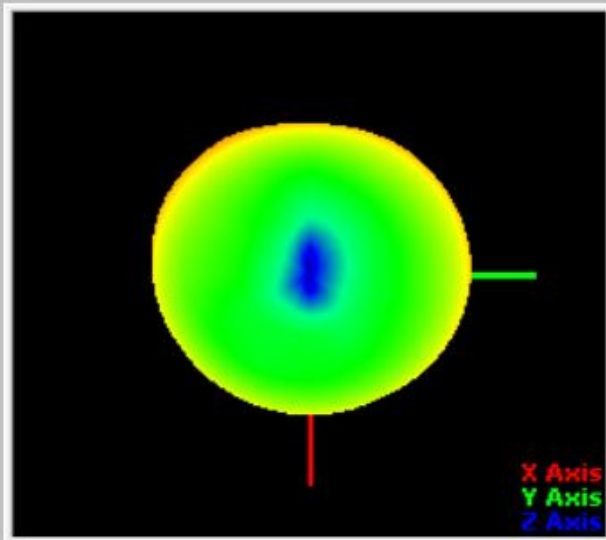
T45-P45



0.87
-3.04
-6.95
-10.86
-14.77
-18.68
-22.59
-26.5
-30.41
-34.32
-38.23
-42.14
-46.05
-49.96
-53.87
-57.78
-61.69
-65.6



T45-P225



T0-P0



0.87
-3.04
-6.95
-10.86
-14.77
-18.68
-22.59
-26.5
-30.41
-34.32
-38.23
-42.14
-46.05
-49.96
-53.87
-57.78
-61.69
-65.6

Coordination System Description:

Line Color	XYZ	Theta-Phi
Red L.	Axis X	Theta90-Phi0
Green L.	Axis Y	Theta90-Phi90
Blue L.	Axis Z	Theta0

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Directivity (dBi)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2300.0	2300.00	0.87	5.55	34.1%	-4.67	0.87	12000	15000	-65.60	18000	6000	-5.32	66.47	6.20	-60.28
2	2310.0	2310.00	0.72	5.52	33.2%	-4.79	0.72	12000	15000	-65.02	18000	9000	-5.60	65.74	6.33	-59.41
3	2320.0	2320.00	0.84	5.60	33.5%	-4.75	0.84	12000	15000	-64.58	18000	6000	-5.52	65.42	6.36	-59.06
4	2330.0	2330.00	0.76	5.62	32.6%	-4.87	0.76	12000	15000	-66.97	18000	6000	-5.67	67.73	6.42	-61.30
5	2340.0	2340.00	0.53	5.41	32.5%	-4.88	0.53	12000	15000	-66.56	18000	15000	-5.85	67.10	6.39	-60.71
6	2350.0	2350.00	0.20	4.96	33.5%	-4.75	0.20	12000	15000	-61.03	18000	0	-6.20	61.24	6.40	-54.84
7	2360.0	2360.00	0.33	4.61	37.3%	-4.28	0.33	12000	15000	-62.91	18000	0	-5.98	63.24	6.31	-56.93
8	2370.0	2370.00	0.35	4.27	40.5%	-3.92	0.35	12000	15000	-60.45	18000	0	-5.88	60.80	6.23	-54.57
9	2380.0	2380.00	0.63	3.99	46.2%	-3.35	0.63	12000	15000	-61.22	18000	9000	-5.56	61.85	6.19	-55.66
10	2390.0	2390.00	0.81	3.61	52.5%	-2.80	0.81	12000	15000	-60.51	18000	3000	-5.22	61.32	6.03	-55.29
11	2400.0	2400.00	0.91	3.33	57.4%	-2.41	0.91	12000	15000	-61.00	18000	12000	-5.23	61.91	6.15	-55.77
12	2410.0	2410.00	1.09	3.28	60.3%	-2.19	1.09	12000	15000	-58.35	18000	9000	-5.08	59.44	6.17	-53.27
13	2420.0	2420.00	1.28	3.54	59.5%	-2.26	1.28	12000	15000	-64.94	18000	9000	-5.00	66.22	6.28	-59.94
14	2430.0	2430.00	1.66	4.01	58.1%	-2.36	1.66	12000	15000	-58.27	18000	6000	-4.78	59.93	6.44	-53.49
15	2440.0	2440.00	1.79	4.57	52.8%	-2.78	1.79	12000	15000	-66.85	18000	15000	-4.74	68.65	6.53	-62.11
16	2450.0	2450.00	2.00	5.11	48.9%	-3.10	2.00	12000	180	-69.28	18000	9000	-4.68	71.29	6.69	-64.60
17	2460.0	2460.00	2.10	5.57	44.9%	-3.48	2.10	12000	180	-73.98	18000	9000	-4.71	76.08	6.80	-69.28
18	2470.0	2470.00	1.82	5.91	39.0%	-4.09	1.82	12000	180	-59.81	18000	12000	-5.24	61.63	7.06	-54.57
19	2480.0	2480.00	1.96	5.93	40.1%	-3.97	1.96	12000	180	-68.16	18000	0	-5.21	70.11	7.17	-62.95
20	2490.0	2490.00	2.07	6.04	40.0%	-3.98	2.07	12000	180	-61.35	18000	12000	-5.31	63.42	7.38	-56.04
21	2500.0	2500.00	1.80	6.34	35.1%	-4.54	1.80	12000	180	-62.52	18000	9000	-5.63	64.32	7.43	-56.89
22	2510.0	2510.00	1.77	6.38	34.6%	-4.61	1.77	12000	180	-78.71	18000	15000	-5.54	80.48	7.31	-73.17
23	2520.0	2520.00	1.64	6.41	33.3%	-4.77	1.64	12000	180	-68.81	18000	15000	-5.64	70.45	7.28	-63.17
24	2530.0	2530.00	1.16	6.26	30.9%	-5.10	1.16	12000	180	-65.21	18000	15000	-6.00	66.37	7.15	-59.22
25	2540.0	2540.00	0.93	6.20	29.7%	-5.28	0.93	12000	180	-67.42	18000	15000	-6.09	68.34	7.02	-61.33
26	2550.0	2550.00	0.62	6.21	27.6%	-5.59	0.62	12000	15000	-67.15	18000	15000	-6.34	67.76	6.96	-60.80
27	2560.0	2560.00	0.60	5.95	29.2%	-5.35	0.60	12000	15000	-61.67	18000	15000	-6.42	62.27	7.02	-55.25
28	2570.0	2570.00	0.49	5.61	30.8%	-5.11	0.49	12000	15000	-58.86	18000	12000	-6.50	59.35	6.99	-52.36
29	2580.0	2580.00	0.39	5.75	29.1%	-5.36	0.39	12000	15000	-67.28	18000	3000	-6.80	67.67	7.19	-60.48
30	2590.0	2590.00	-0.06	5.59	27.2%	-5.65	-0.06	12000	15000	-66.29	18000	3000	-7.30	66.23	7.23	-59.00
31	2600.0	2600.00	-0.53	5.56	24.6%	-6.09	-0.53	12000	15000	-69.37	18000	3000	-7.84	68.84	7.31	-61.53
32																

