

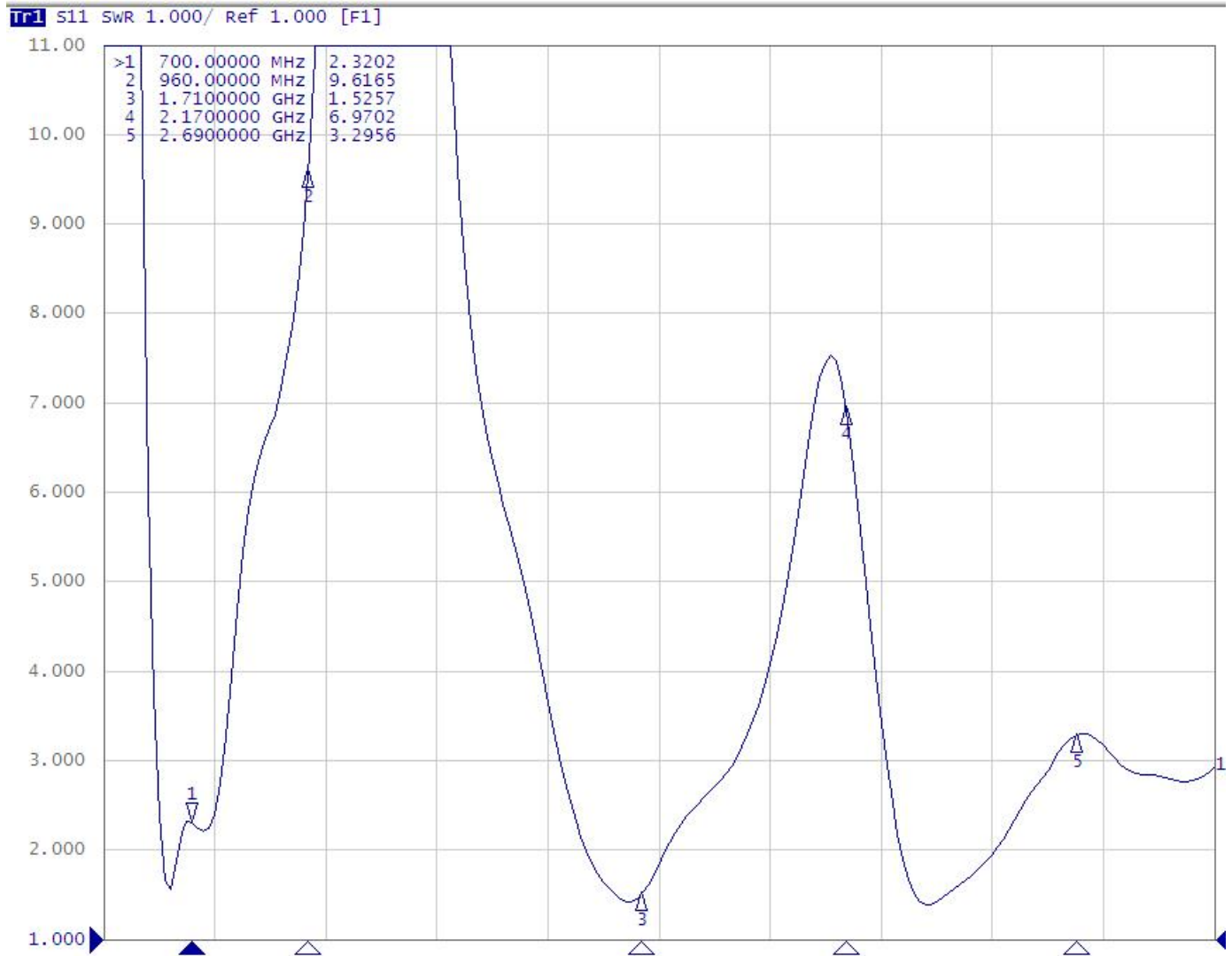


Material F55
Name:
Material 01.02.021.000195
Code:
Material MAIN
Name:
Supplier: Fuzhou ZHONGTIANXUN Communication
 Technology Co.,Ltd
Sample 2025.7.15
Delivery
Date:
Rev. : V1.1
Address:Room 202, Huatong Zhongchuang Building, No.45 Juyuanzhou Park,
Jinshan Industrial Zone, Cangshan District, Fuzhou City

SPECIFICATION APPROVAL SHEET

A. Product Specification sheet / 2D drawing/Product Material composition list

A-1 VSWR



SPECIFICATION APPROVAL SHEET

A-2 Antenna passive test

chNo	Freq (MHz)	Gain(dBi)	Efficiency_Pcent (%)
1	700	-10.5194	8.289268
2	710	-10.5782	8.131401
3	720	-10.7192	8.026094
4	730	-10.3182	8.260483
5	740	-9.25023	9.296591
6	750	-8.47035	10.722888
7	760	-8.11616	11.813257
8	770	-6.87981	14.43725
9	780	-5.96948	16.44505
10	790	-5.22857	17.69069
11	800	-4.45997	18.49288
12	810	-3.89382	19.62643
13	820	-2.92865	22.07728
14	830	-3.10181	22.37656
15	840	-3.54275	22.98138
16	850	-3.93315	22.06772
17	860	-4.18187	21.56695
18	870	-4.89968	19.69678
19	880	-5.39264	17.97124
20	890	-5.38833	17.70918

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21	900	-5.5145	16.34881
22	910	-5.97211	13.84178
23	920	-6.38537	12.22491
24	930	-6.116	12.56243
25	940	-6.59417	13.11308
26	950	-6.6146	12.14629
27	960	-6.81234	10.457934
28	1710	-1.73086	32.32572
29	1730	-1.61191	31.3639
30	1750	-1.74507	32.70644
31	1770	-1.56114	33.48846
32	1790	-1.63647	31.87982
33	1810	-1.62021	31.03751
34	1830	-1.76902	30.48212
35	1850	-1.66846	25.54628
36	1870	-1.66519	24.18208
37	1890	-2.00736	22.57716
38	1910	-1.84297	20.99058
39	1930	-3.26709	18.97668
40	1950	-3.50609	17.52535
41	1970	-4.00218	16.83708
42	1990	-4.82121	15.457912

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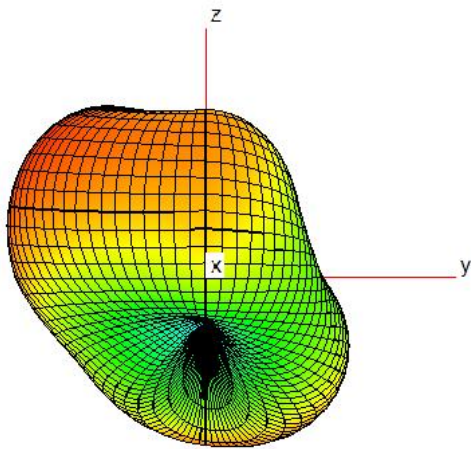
43	2010	-5.53793	14.097767
44	2030	-6.07371	13.490499
45	2050	-6.7761	12.478921
46	2070	-7.00672	11.97772
47	2090	-6.92065	11.437412
48	2110	-7.2646	10.79731
49	2130	-7.57838	10.226761
50	2150	-8.37301	9.601683
51	2170	-8.93136	9.185746
52	2190	-9.59041	9.128424
53	2300	-11.6567	9.901502
54	2320	-9.27001	11.309785
55	2340	-7.10083	13.254547
56	2360	-5.71504	15.09109
57	2380	-4.95539	16.38939
58	2400	-3.446	22.60632
59	2500	-2.907089	29.31443
60	2520	-2.590213	29.00946
61	2540	-2.235928	26.62703
62	2560	-3.06158	25.12853
63	2580	-3.78188	24.27989
64	2600	-4.13605	24.91561

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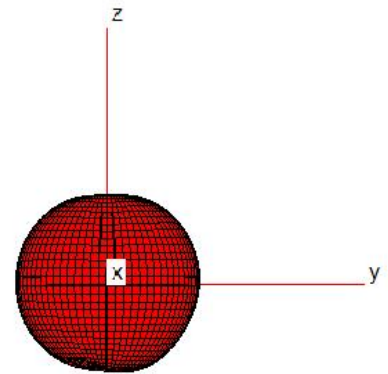
65	2620	-4. 25849	24. 99439
66	2640	-4. 19088	26. 13252
67	2660	-4. 38909	26. 2114
68	2680	-4. 84619	24. 43046
69	2690	-5. 12757	24. 04677

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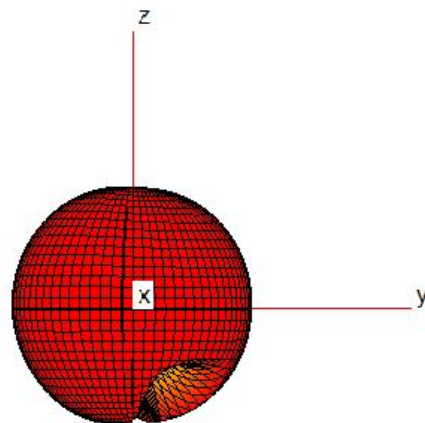
A-3 3D radiation drawing



700MHz



1710MHz



2500MHz

SPECIFICATION APPROVAL SHEET

A-5 Active test data

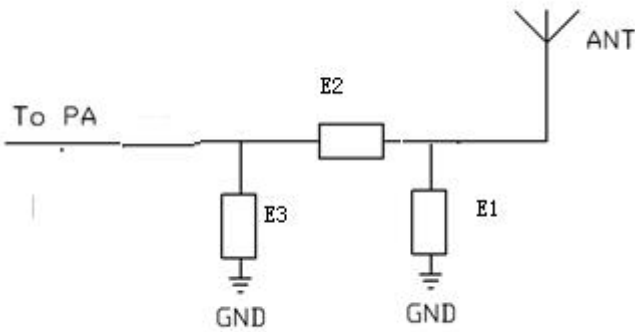
FDD band1	channel	18050	18300	18550
	TRP (dBm)	18.06	17.27	16.88
	TIS (dBm)		-81.2	
FDD band3	channel	19250	19575	19900
	TRP (dBm)	16.29	17.46	17.36
	TIS (dBm)		-91.07	
FDD band5	channel	20450	20525	20600
	TRP (dBm)	17.09	16.04	16.11
	TIS (dBm)		-90.82	
FDD band7	channel	20850	21100	21350
	TRP (dBm)	16.03	16.37	14.17
	TIS (dBm)		-87.75	
FDD band8	channel	21500	21625	21750
	TRP (dBm)	15.95	16.69	13.94
	TIS (dBm)		-90.34	
FDD band20	channel	24200	24300	24400
	TRP (dBm)	16.24	16.18	15.05
	TIS (dBm)		-90.68	
FDD band28	channel	27260	27410	27610
	TRP (dBm)	14.36	15.53	15.04
	TIS (dBm)		-90.36	

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TDD band38	channel	37850	38000	38150
	TRP (dBm)	16.36	15.89	15.12
	TIS (dBm)		-85.15	
TDD band40	channel	38750	39150	39550
	TRP (dBm)	13.08	14.10	14.19
	TIS (dBm)		-82.3	
TDD band41	channel	40540	40740	40940
	TRP (dBm)	15.60	15.65	14.60
	TIS (dBm)		-81.5	

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A-6 Matching circuit



Matching structure	
E1	NC
E2	0Ω
E3	NC
GND	2nH

A-7 Engineering drawing