

OTA Antenna Test Report

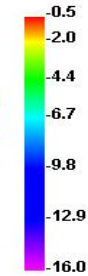
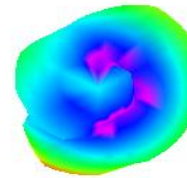
Customer Name	Suding Technology	Test Date	2026.6.12	Test Engineer	Xu Maosen
Project Name	DGSDK251	Test results	qualified	Contact Phone Number	18520807601
Test Conditions	Humidity: 50%,Temperature: 21℃,				
Test Equipment	CMW500; MT8000; E5071C... SATIMO-OTA Lab				
Test Ambient	(Temperature):___25___℃ (Humidity):___40___RH				
Decision criteria	Look at the table of TRP and TIS				
Summary:					
Manufacturer: Shenzhen Huaxinwei Communication Technology Co., Ltd.					
Manufacturer Address: Room 203, Building 5C, Skyworth Innovation Valley, Shiyan Sub-district, Bao'an District, Shenzhen City					

BT

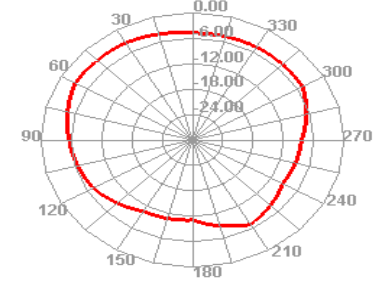
Passive Test For 2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	27.01	-5.69	0.44
2410	28.9	-5.39	0.8
2420	28.97	-5.38	0.68
2430	28.36	-5.47	0.51
2440	27.27	-5.64	0.19
2450	24.87	-6.04	-0.48
2460	23.77	-6.24	-1.03
2470	22.39	-6.5	-1.55
2480	22.04	-6.57	-1.85
2490	22.28	-6.52	-1.93
2500	22.05	-6.57	-2.08

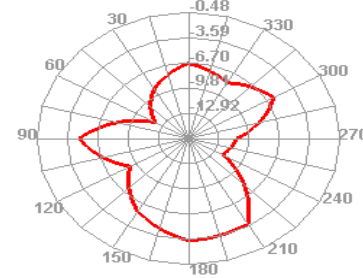
2450.000MHz



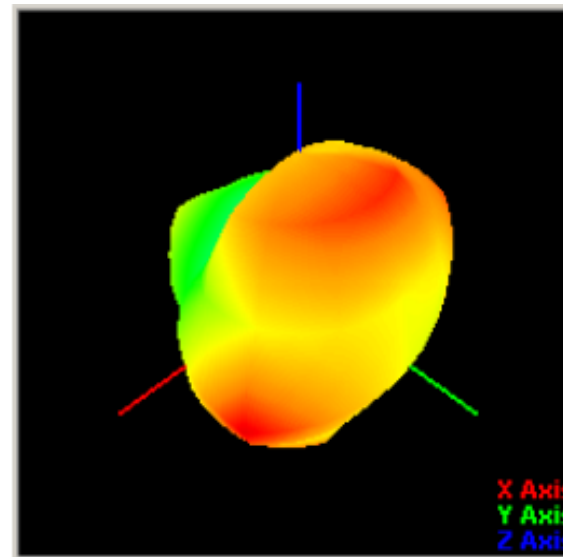
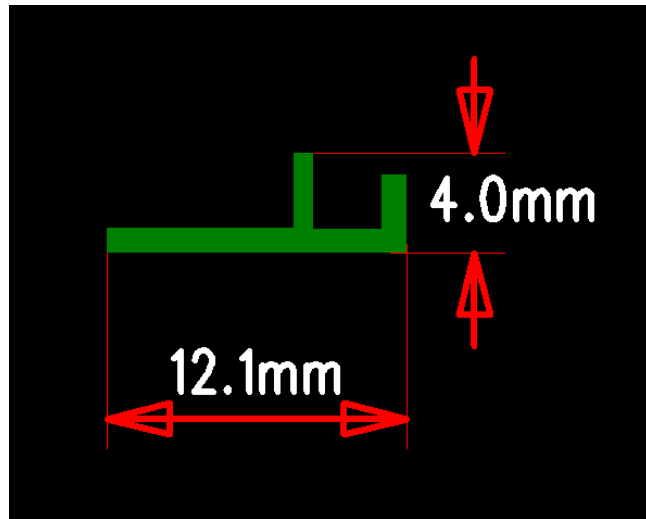
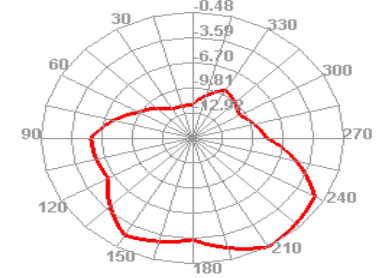
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



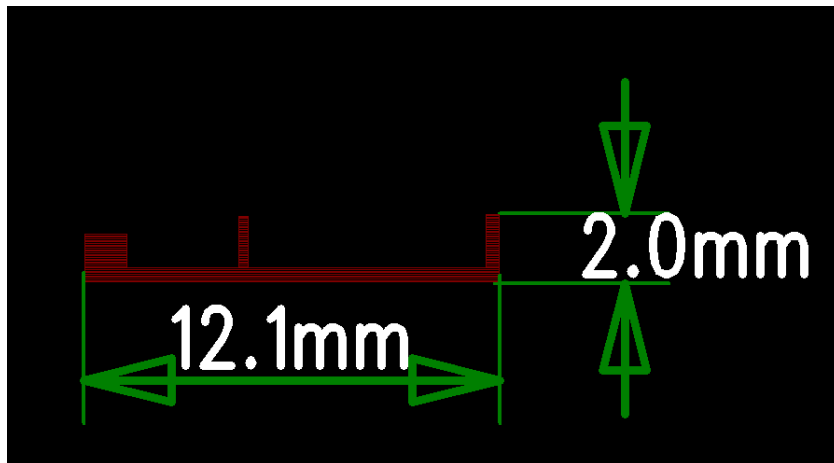
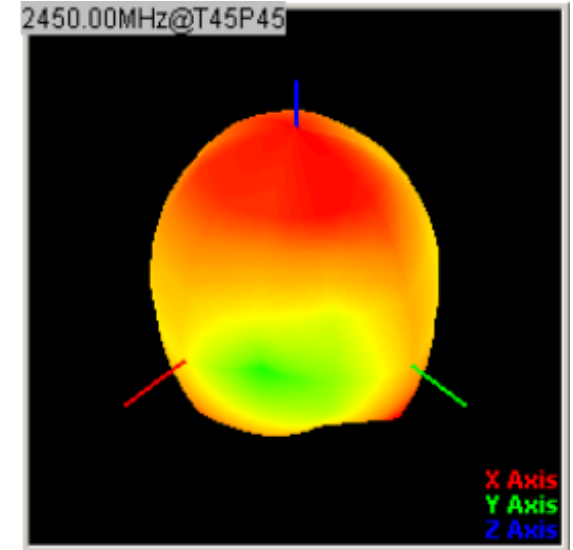
WIFI/2.4G

Passive Test For 2.4G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	25.1	-3.12	-0.87
2410	26.4	-3.31	-0.75
2420	27.5	-3.51	-0.56
2430	28.6	-3.74	-0.21
2440	30.4	-3.97	-0.13
2450	31.5	-4.21	-0.12
2460	30.1	-3.84	-0.16
2470	29.4	-3.61	-0.24
2480	28.1	-3.45	-0.31
2490	27.2	-3.31	-0.59
2500	26.4	-3.12	-0.87



-0.12
-2.11
-4.09
-6.08
-8.06
-10.05
-12.03
-14.02
-16
-17.99
-19.97
-21.96
-23.94
-25.93
-27.91
-29.9
-31.88
-33.87

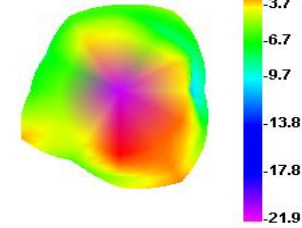


WIFI/5G

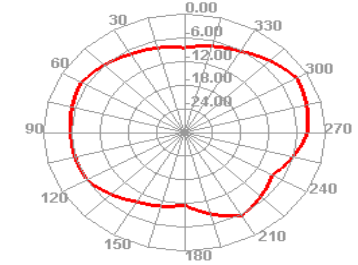
Passive Test For 5G

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5000	29.22	-5.34	-0.35
5040	23.73	-6.25	-1.91
5080	27.04	-5.68	-1.56
5120	27.21	-5.65	-1.82
5160	21.34	-6.71	-2.68
5200	18.63	-7.3	-2.23
5240	18.27	-7.38	-2.05
5280	16.28	-7.88	-2.48
5320	18.62	-7.3	-2.61
5360	16.8	-7.75	-2.82
5400	22.85	-6.41	-1.65
5440	19	-7.21	-2.73
5480	20.38	-6.91	-1.81
5520	22.6	-6.46	-1.74
5560	25.78	-5.89	-1.19
5600	22.39	-6.5	-1.58
5640	20	-6.99	-2.59
5680	21.1	-6.76	-2.33
5720	28.28	-5.49	-1.17
5760	28.53	-5.45	-1.62
5800	28.04	-5.52	-1.83

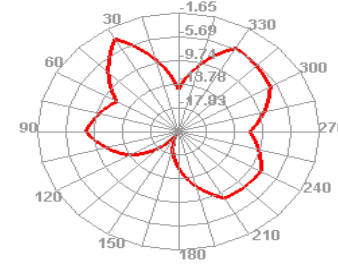
5400.000MHz



5400.000MHz H



5400.000MHz E1



5400.000MHz E2

