

Antenna Test Report



Shanghai Longcheer technology Co.,Ltd

- 1、 Antenna information
- 2、 WIFI/BT antenna location/result
- 3、 Summary

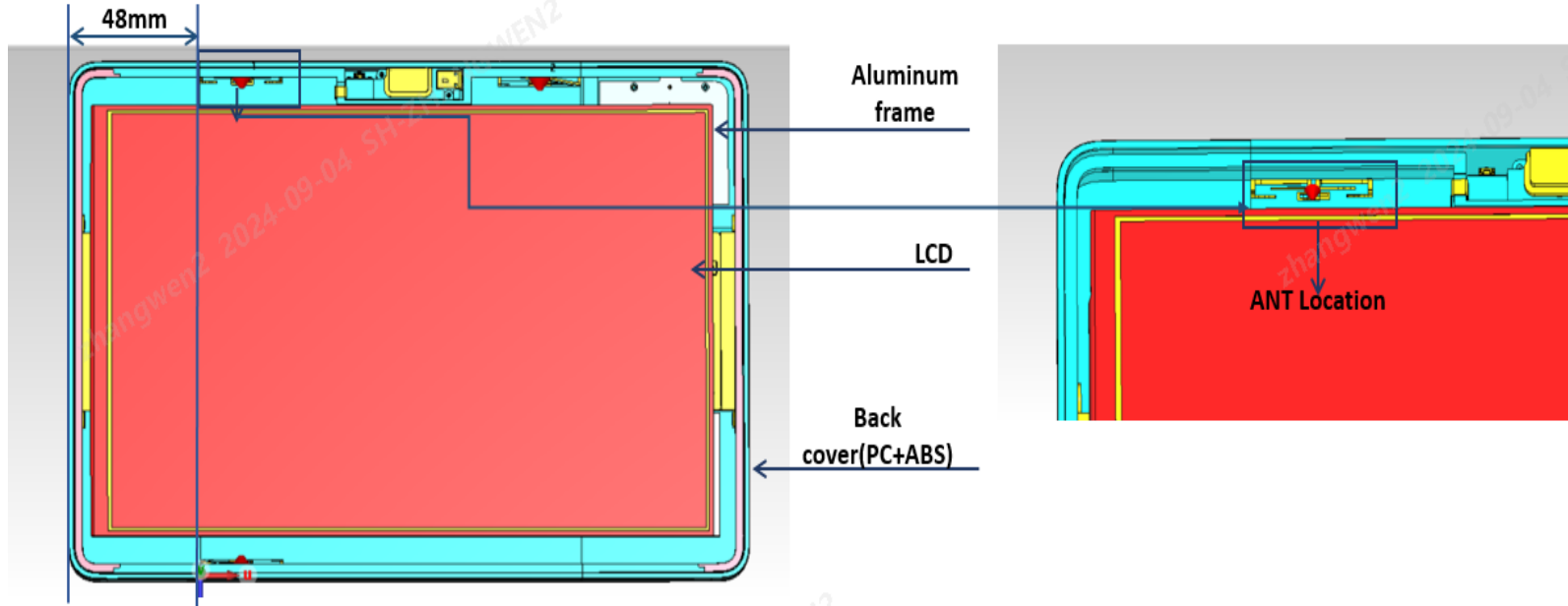
龙旗机密

Band information

	Freq (Mhz)
WiFi 2.4/5G	2400-2500,5150-5850
BT	2400-2500

Antenna information

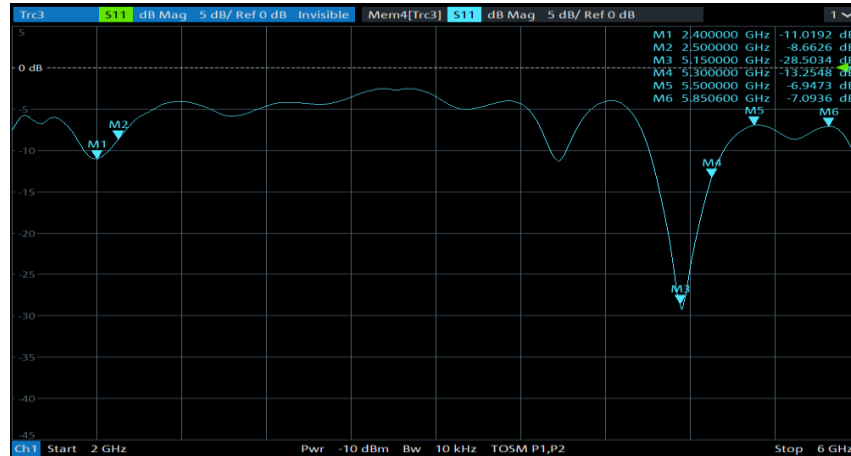
Brand	Auden
Type	dipole
Model	T781-WIFI-AntennaFPC-A1
Manufacture	Auden Communications & Multimedia Techno(Kunshan)Co.,Ltd
Manufacture adress	Manufacture address:NO.15,Yingbin Road,Zhoushi Town,KunShan,Suzhou City,Jiangsu Province,215313,China



- ❑ The antenna is attached to the inner surface of the back plastic cover.
- ❑ The antenna adopts FPC+CABLE, the size is 30*5 (mm).

❑ VSWR Efficiency(FS/BH/BH)

✓ S11



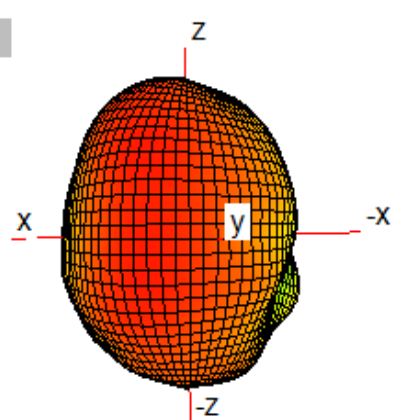
✓ Effi

Freq (MHZ)	Effi (dB)	Gain (dBi)	Freq (MHZ)	Effi (dB)	Gain (dBi)	Freq (MHZ)	Effi (dB)	Gain (dBi)	Freq (MHZ)	Effi (dB)	Gain (dBi)	Freq (MHZ)	Effi (dB)	Gain (dBi)
2400	-3.06	2.5	5100	-3.03	3.25	5320	-3.06	2.98	5540	-3.84	1.87	5760	-3.97	2.28
2410	-3.07	2.5	5120	-2.94	3.5	5340	-3.08	2.82	5560	-3.7	1.8	5780	-4.33	2.37
2420	-3.06	2.5	5140	-2.94	3.42	5360	-3.17	2.4	5580	-3.54	1.12	5800	-4.57	2.5
2430	-3	2.46	5160	-3.04	3.43	5380	-3.38	3.11	5600	-3.53	1.84	5820	-4.86	1.9
2440	-2.82	2.49	5180	-3.01	3.2	5400	-3.4	2.85	5620	-3.41	1.85	5840	-5.06	2.02
2450	-2.69	2.48	5200	-2.98	3.34	5420	-3.51	2.64	5640	-3.38	1.46	5860	-5.18	2.1
2460	-2.64	2.24	5220	-2.97	3.33	5440	-3.74	2.45	5660	-3.31	1.5			
2470	-2.58	1.98	5240	-3.03	3.46	5460	-3.69	2	5680	-3.28	1.87			
2480	-2.52	1.73	5260	-3.1	3.5	5480	-3.75	1.78	5700	-3.37	2			
2490	-2.46	1.72	5280	-3.12	3.18	5500	-3.91	1.33	5720	-3.43	2			
2500	-2.56	1.6	5300	-2.99	3.16	5520	-3.86	1.09	5740	-3.57	2			

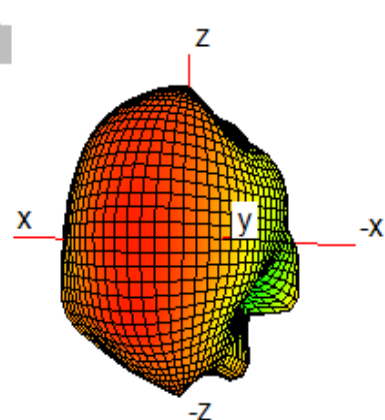
OTA (TRP/TIS)

Cell	Mode	Channel	SPEC (data rate/limit)	Conductiv e	FS
WIFI TRP	11b 11M	1	11	17	15.33
		7		17	14.7
		13		17	14.79
	11a 54M	36	8	12.5	10.03
		100		12.5	9.54
		165		12.5	8.64
WIFI TIS	11b 11M	1	-82	-89	-80.61
		7		-90	-81.47
		13		-90	-82.96
	11a 54M	36	-66	-75.4	-71.62
		100		-75.4	-71.45
		165		-75.4	-71.23
Cell	Class(1/2/3)	Freq.(MHz)	SPEC	Conductiv e	FS
BT TRP	DH1	2412	-3	3.38	0.26
		2445		3.31	-0.14
		2478		3.33	-0.17
BT TIS	DH1	2412	-82	-90.7	-85.57
		2445		-96	-89.33
		2478		-88.4	-80.3

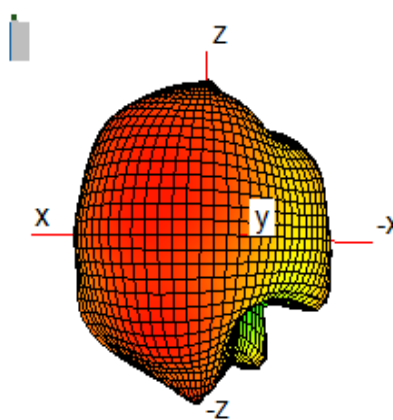
3D pattern



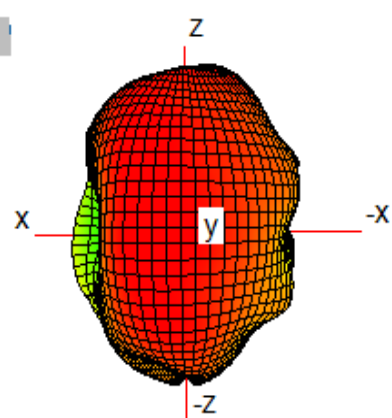
2400Mhz



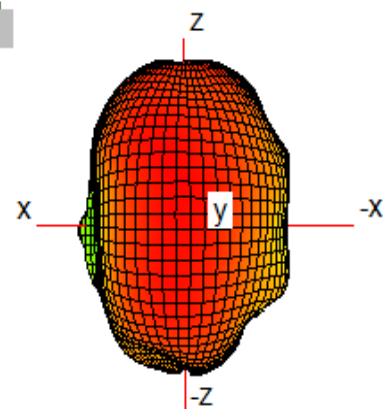
2450Mhz



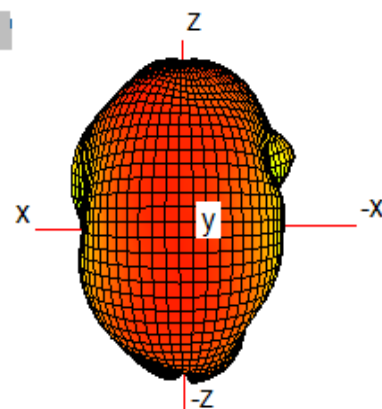
2500Mhz



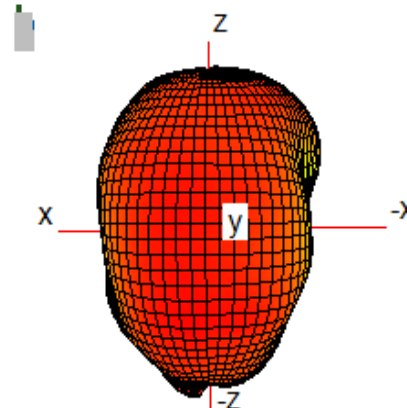
5150Mhz



5300Mhz



5500Mhz



5850Mhz