



Antenna Data Sheet

Antenna Name :FPC Antenna
Antenna Model :F1302/V1190F

Manufacturer:SHENZHEN Xingyuanchuang TECHNOLOGY CO.,LTD
Address :1506 Tangwei Stock Business Building, Tangwei Community, Fuhai Street,Baoan District, Shenzhen, China

TC: 捷通

MN: V1190F

RF: 戴进平

MD: 黄清清

MP: 19918388579

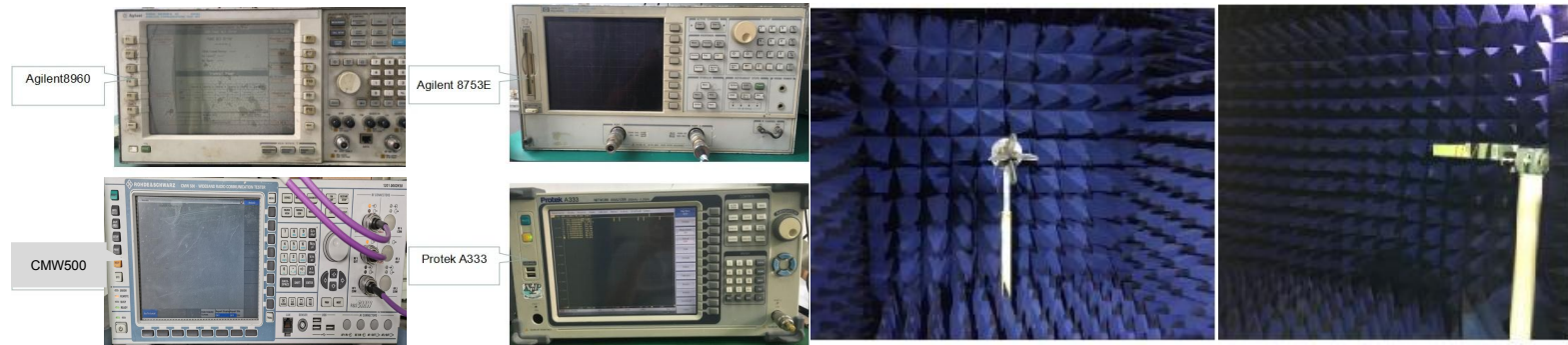
Date: 2024.12.30
REV :V1.0

Test information

WIFI ANT Test information		
Frequency	2. 4G (2402~2483) Mhz	5G (5150~5850) Mhz
Module information	N/A	
Driver version information	N/A	

Test environment

	Test item	Test equipment
1. S-parameter	1. VSWR 2. Rrtun Loss	NetWork analyZer: Agilent8753ES
2. Active test	1. TRP 2. TIS 3. The screen (off、on)	1. Darkroom: 5*3*3m (3D) Chamber 2. Integrated measuring instrument : Agilent8960 CMW500
3. Passive test	1. Gain 2. Efficiency	1. Darkroom: 5*3*3m (3D) Chamber 2. Integrated measuring instrument: Agilent 8753ES



ANT1 S11-VSWR&Return Loss

Passive test data



Frequency (MHZ)	2400	2450	2500	5150	5500	5850
VSWR	1.37	1.23	1.52			
Return Loss (DB)	-16.11	-19.41	-13.66			

ANT1 GAIN&Efficiency-WIFI2.4G/BT

Passive test data

Passive Test For WIFI2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	37.46	-4.26	0.64	-1.51	23.717	13.741	0.64	-16.4	4.9	30	45.78	46.01
2410	36.43	-4.39	0.37	-1.78	22.861	13.57	0.37	-16.81	4.75	120	46.01	46.29
2420	36.99	-4.32	0.32	-1.83	22.939	14.054	0.32	-17.39	4.63	120	45.73	46
2430	34.15	-4.67	-0.26	-2.41	20.848	13.304	-0.26	-18.25	4.4	120	46.01	46.36
2440	33.05	-4.81	-0.86	-3.01	19.636	13.409	-0.86	-18.84	3.95	120	46.12	46.48
2450	34.57	-4.61	-0.95	-3.1	19.814	14.753	-0.95	-18.86	3.66	120	46.12	46.54
2460	36.78	-4.34	-0.44	-2.59	20.3	16.483	-0.44	-18.76	3.91	60	46.14	46.52
2470	34.83	-4.58	-0.66	-2.81	18.894	15.932	-0.66	-18.59	3.93	60	46.4	46.8
2480	34.34	-4.64	-0.81	-2.96	18.466	15.871	-0.81	-17.32	3.84	60	46.26	46.64
2490	35.07	-4.55	-0.43	-2.58	18.821	16.244	-0.43	-16	4.12	60	46.51	46.91
2500	33.85	-4.7	-0.44	-2.59	18.156	15.697	-0.44	-15.87	4.26	60	46.47	46.86

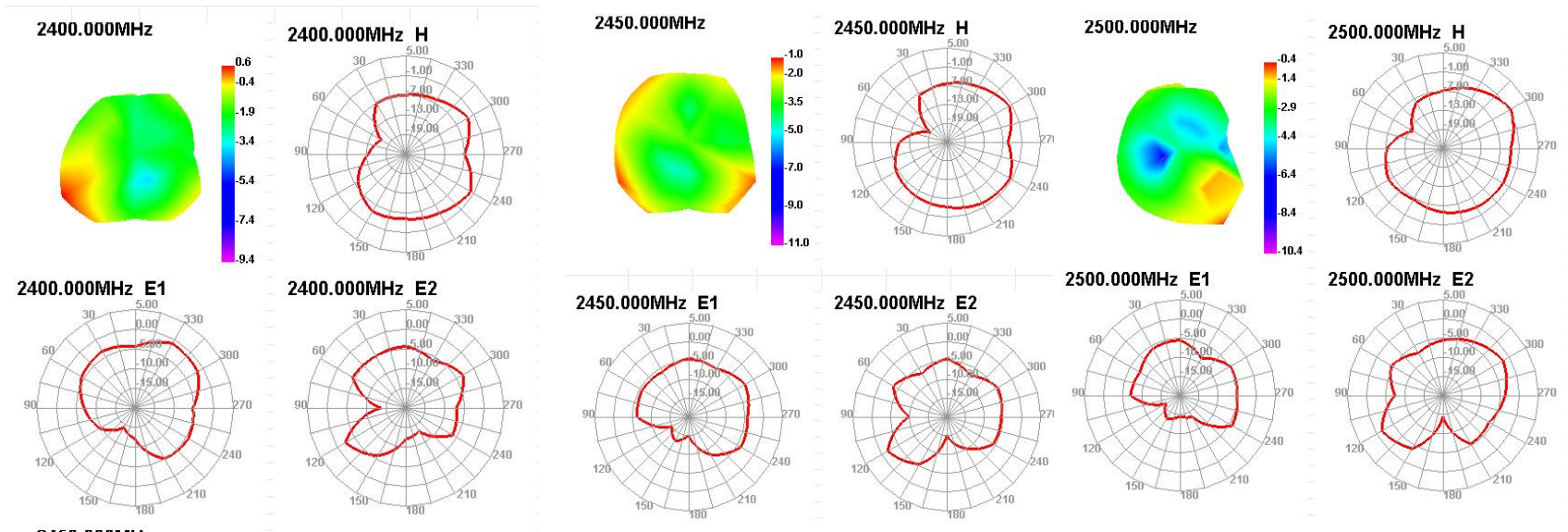


ANTENNA

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Passive test data

ANT1 Direction of figure(2.4/BT)





Engineering drawing

