



深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

# 天线测试报告

Antenna Test Report

*TC: 忆博通*

*MN: T828*

*RF: 戴进平*

*MD: 黄清清*

*MP: 19918388579*

*Date: 2022.10.10*

*REV :V1.0*

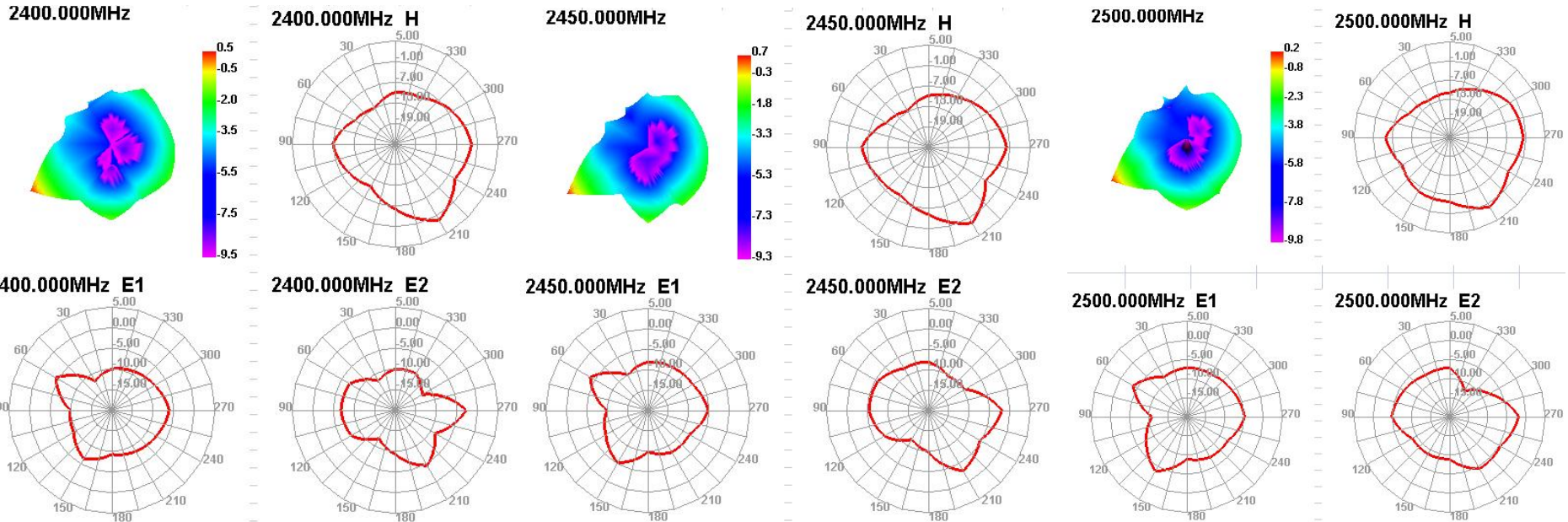
无源测试数据  
Passive test data

W/B/G ANT GAIN&Efficiency-WIFI2.4G/BT

Passive Test For WIFI2.4								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)
2400	19.63	-7.07	0.53	-1.62	10.72	8.907	0.53	-17.03
2410	19.9	-7.01	0.5	-1.65	10.912	8.991	0.5	-18.68
2420	20.87	-6.8	0.52	-1.63	11.43	9.44	0.52	-18.93
2430	21.75	-6.63	0.5	-1.65	11.878	9.869	0.5	-17.58
2440	23.35	-6.32	0.67	-1.48	12.68	10.666	0.67	-16.11
2450	24.33	-6.14	0.69	-1.46	13.092	11.236	0.69	-14.14
2460	24.24	-6.15	0.51	-1.64	12.895	11.344	0.51	-12.82
2470	24.79	-6.06	0.39	-1.76	13.044	11.744	0.39	-12.49
2480	26.61	-5.75	0.55	-1.6	13.884	12.721	0.55	-12.19
2490	28.46	-5.46	0.66	-1.49	14.804	13.657	0.66	-12.12
2500	26.5	-5.77	0.17	-1.98	13.715	12.782	0.17	-12.69

## 无源测试数据 Passive test data

W/B/G ANT Direction of figure(2.4/BT)



无源测试数据  
Passive test data

## W/B/G ANT GAIN&Efficiency-WIFI 5G

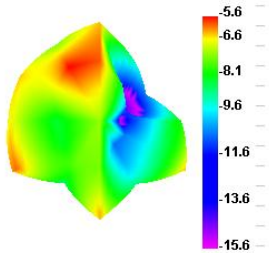
Passive Test For WIFI5G								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)
5150	10.26	-9.89	-5.56	-7.71	5.631	4.632	-5.56	-25.31
5170	14.65	-8.34	-3.8	-5.95	7.828	6.821	-3.8	-25.16
5190	13.43	-8.72	-3.89	-6.04	7.065	6.361	-3.89	-24.97
5210	20.13	-6.96	-2.37	-4.52	10.566	9.568	-2.37	-20.6
5230	19.59	-7.08	-3.02	-5.17	10.448	9.143	-3.02	-22.08
5250	25.05	-6.01	-2.57	-4.72	13.537	11.51	-2.57	-19.46
5270	26.28	-5.8	-2.46	-4.61	14.243	12.038	-2.46	-17.22
5290	27.9	-5.54	-1.62	-3.77	15.37	12.534	-1.62	-16.38
5310	27.6	-5.59	-1.27	-3.42	15.528	12.073	-1.27	-18.56
5330	27.19	-5.66	-1.48	-3.63	15.467	11.721	-1.48	-19.43
5350	29.93	-5.24	-1.37	-3.52	16.978	12.954	-1.37	-16.95
5370	26.85	-5.71	-1.71	-3.86	15.211	11.638	-1.71	-15.97
5390	24.9	-6.04	-1.97	-4.12	14.306	10.591	-1.97	-16.68
5410	25.59	-5.92	-2.1	-4.25	14.927	10.668	-2.1	-16.94
5430	26.55	-5.76	-1.77	-3.92	15.485	11.063	-1.77	-18.8
5450	25.28	-5.97	-1.14	-3.29	14.701	10.576	-1.14	-19.29
5470	25.69	-5.9	-0.7	-2.85	15.073	10.621	-0.7	-18.89
5490	22.79	-6.42	-1.36	-3.51	13.565	9.229	-1.36	-17.68
5510	23.4	-6.31	-1.43	-3.58	13.903	9.495	-1.43	-16.47
5530	22.75	-6.43	-1.29	-3.44	13.335	9.412	-1.29	-15.48
5550	24.09	-6.18	-0.72	-2.87	14.059	10.032	-0.72	-15.25
5570	22.96	-6.39	-0.98	-3.13	13.422	9.536	-0.98	-15.61
5590	20.64	-6.85	-1.52	-3.67	12.011	8.63	-1.52	-16.59
5610	21.86	-6.6	-1.32	-3.47	12.615	9.249	-1.32	-17.62
5630	18.94	-7.23	-1.89	-4.04	10.82	8.124	-1.89	-18.47
5650	24.39	-6.13	-0.98	-3.13	13.982	10.408	-0.98	-17.94
5670	17.03	-7.69	-2.57	-4.72	9.8	7.231	-2.57	-19.37
5690	24.44	-6.12	-0.52	-2.67	14.044	10.392	-0.52	-18
5710	16.34	-7.87	-2.31	-4.46	9.324	7.012	-2.31	-19.32
5730	23.48	-6.29	-0.73	-2.88	13.314	10.171	-0.73	-19.26
5750	17.33	-7.61	-1.75	-3.9	9.861	7.469	-1.75	-20.82
5770	20.07	-6.98	-0.89	-3.04	11.429	8.638	-0.89	-18.88
5790	16.24	-7.89	-2.02	-4.17	9.216	7.028	-2.02	-19.5
5810	17.84	-7.49	-1.93	-4.08	10.013	7.825	-1.93	-19.02
5830	15.87	-7.99	-2.47	-4.62	8.898	6.974	-2.47	-21.61
5850	17.41	-7.59	-2.02	-4.17	9.702	7.706	-2.02	-19.94



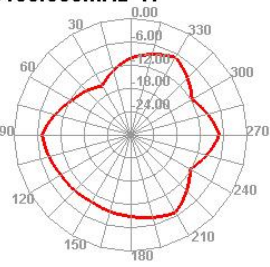
## 无源测试数据 Passive test data

## W/B/G ANT Direction of figure(5G)

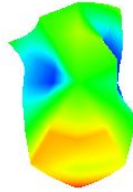
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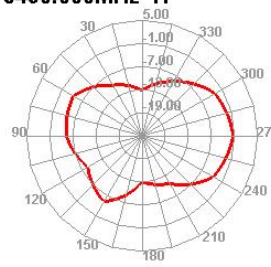
5150.000MHz H



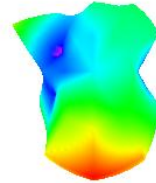
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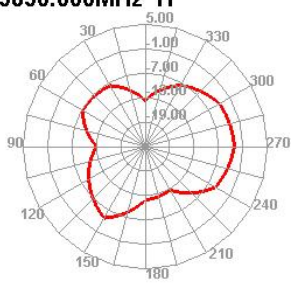
5490.000MHz H



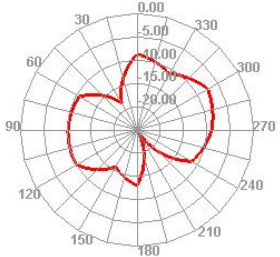
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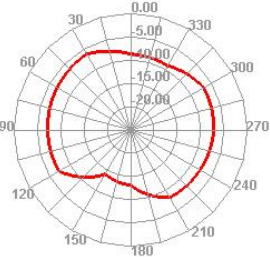
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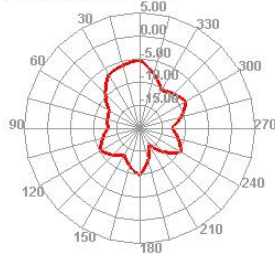
5150.000MHz E1



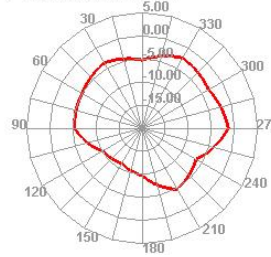
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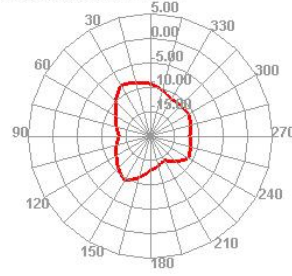
5490.000MHz E1



5490.000MHz E2



5850.000MHz E1



5850.000MHz E2

