

深圳粤讯通信科技有限公司

Shenzhen yosong Communication Technology Co.,Ltd

天线测试报告

Antenna Test Report

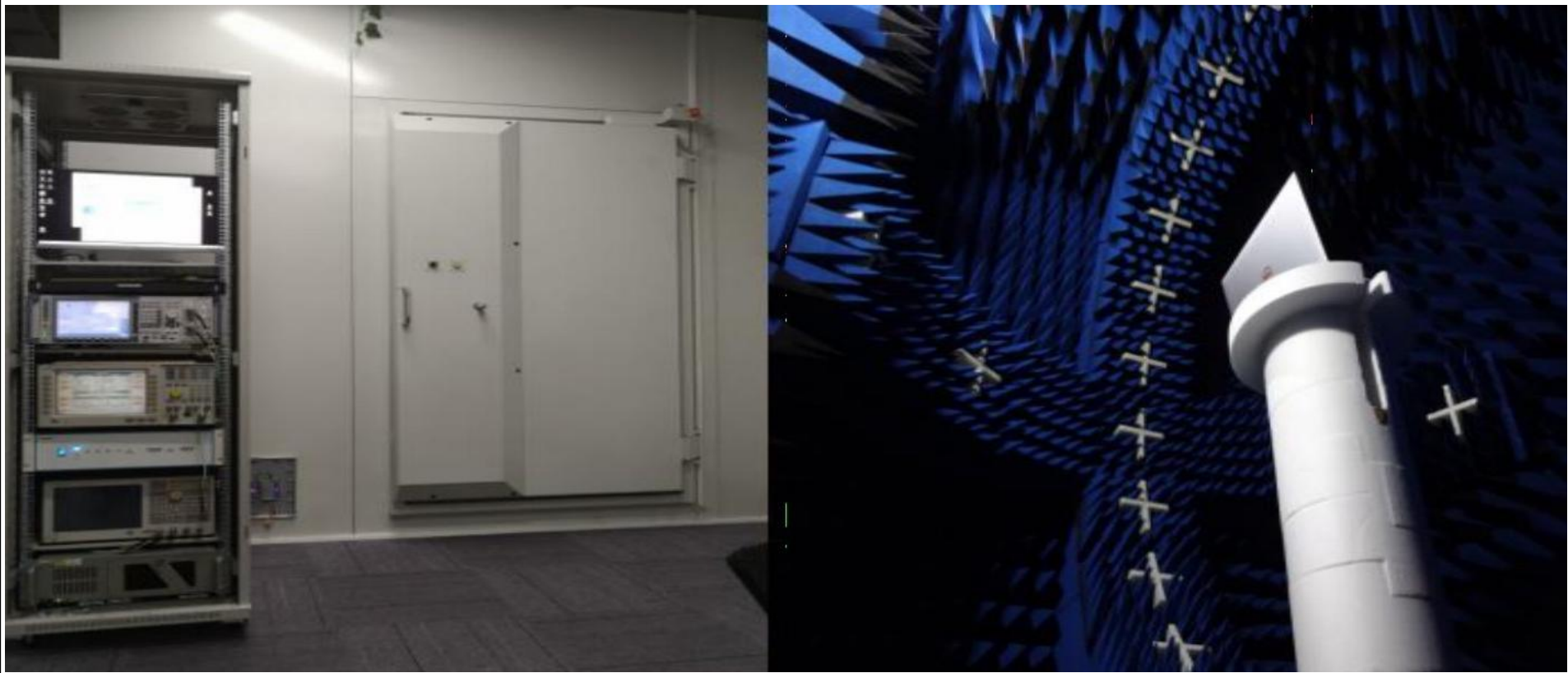


Date: 2023. 10. 20

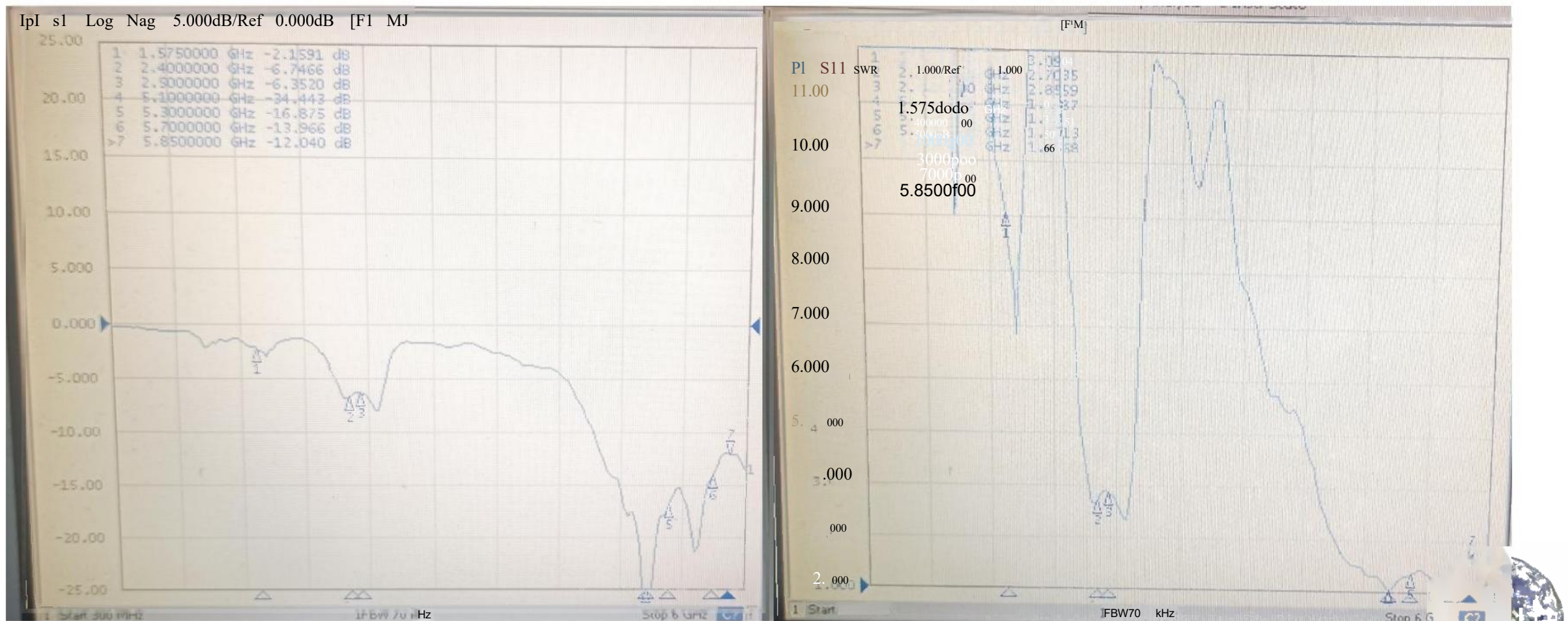


Testing environment

tester system	CMW500
test room	Atenlab M3
test engineer	chenqaojun
temperature	25℃
Humidity/Antenna type	65% (RH) /monopole



WIFI/BT efficiency



WIFI/BT efficiency

Passive Test For WIFI/BT 2.4G			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	45.44	-3.43	0.96
2410	45.89	-3.38	1.14
2420	44.58	-3.51	1.33
2430	44.43	-3.52	1.21
2440	43.6	-3.61	1.18
2450	44.99	-3.47	1.29
2460	43.56	-3.61	1.47
2470	43.27	-3.64	1.3
2480	42.5	-3.72	1.35
2490	42.19	-3.75	1.42
2500	41.38	-3.83	1.28

Passive Test For WiFi 5G			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
5000	38.51	-4.14	0.62
5100	39.28	-4.06	0.6
5200	40.64	-3.91	0.59
5300	41.52	-3.82	0.43
5400	42.51	-3.72	0.78
5500	42.98	-3.67	0.73
5600	43.78	-3.59	0.68
5700	43.83	-3.58	0.42
5800	43.98	-3.57	0.74



WiFi OTA

YoSong ANT TRP&TIS parameter Summary

Fre	802.11b/11Mbps			a/54Mbps		
Channel	1	6	11	36	60	161
TRP (dBm)	14.49	14.41	15.25	11.68	11.1	10.49
TIS (dBm)	-81.16	-81.15	-81.5	-70.7	-70.53	-69.97
BT OTA						
Channel	1		39		79	
TRP (dBm)	4.1		4.0		4.3	
TIS (dBm)	-83.2		-83.6		-83.8	