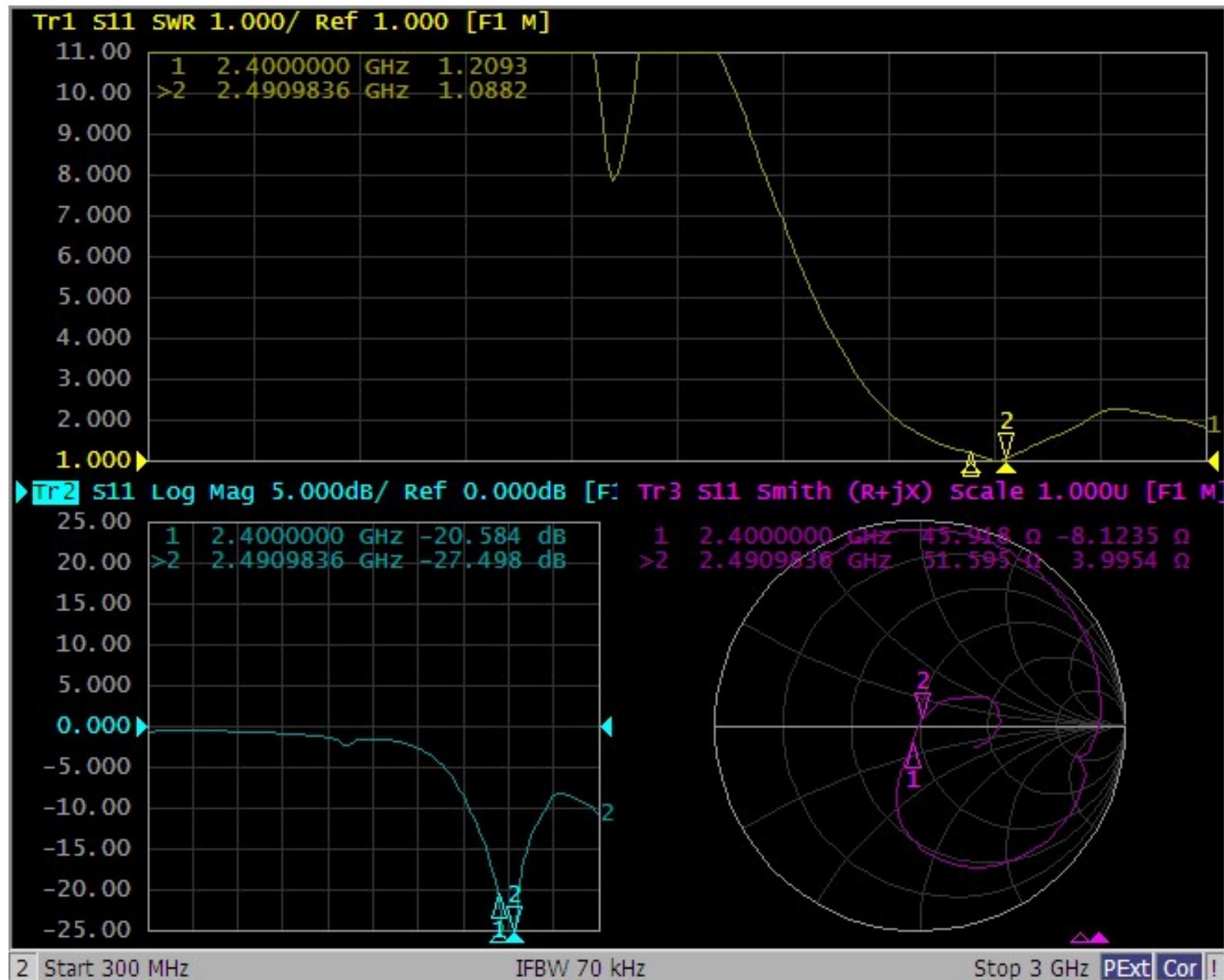


ANTENNA SPEC

Smart watch	RMW2501
BT--FPC GPS-FPC	
2025-04-24	
Manufacturer: SHENZHEN YUSHENG COMMUNICATION EQUIPMENT CO., LTD Add: 407-411, Floor 4, Building 2, Yuntai Chuanggu Park, southeast of the intersection of Guangming Avenue and Dongchang Road, Guangming District, Shenzhen	

BT SWR



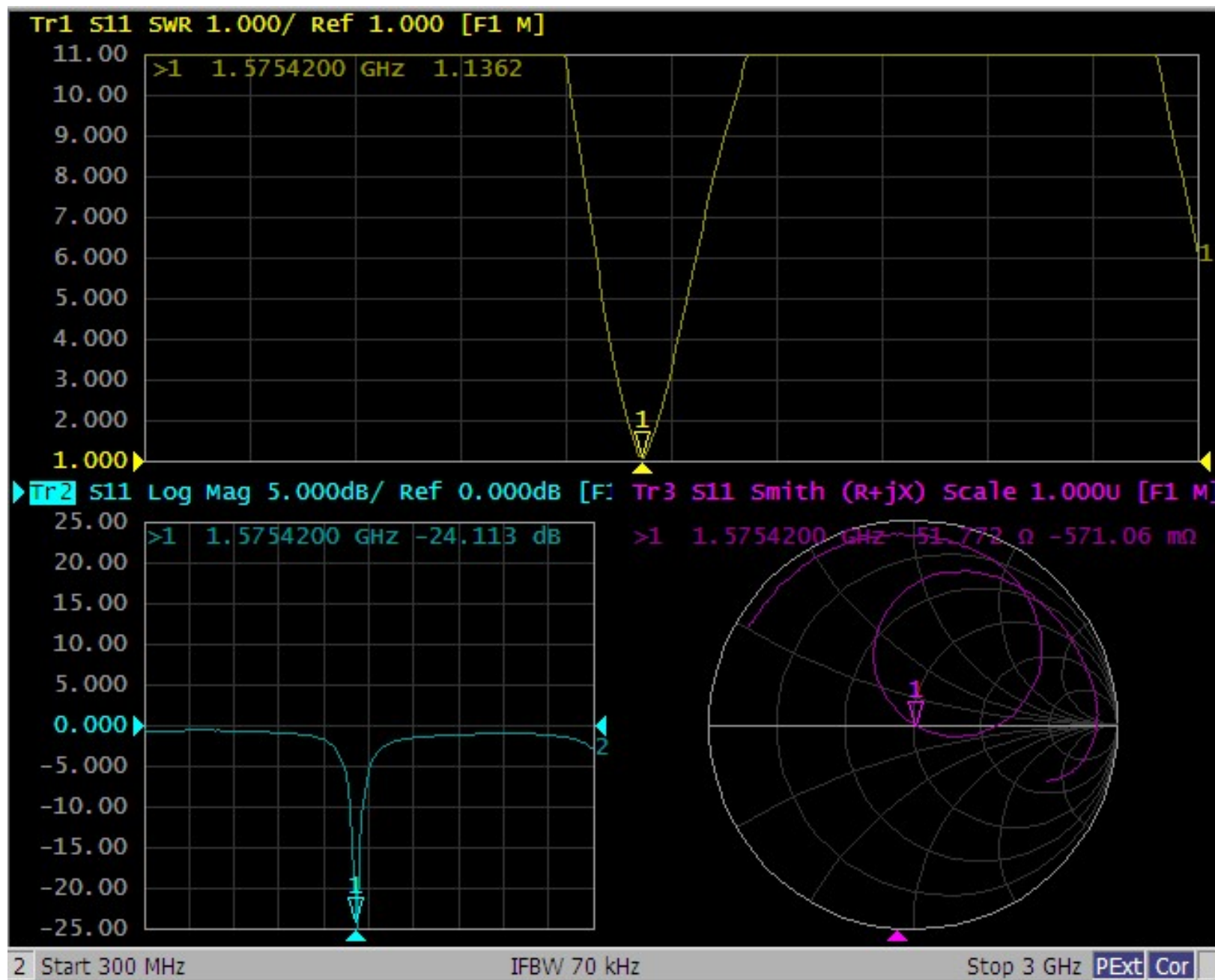
BT efficiency

BT Gain= -3dBi

Test	Free-space								
Test Point ID	1	2	3	4	5	6	7	8	9
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
Efficiency (%)	19.3	19.8	19.0	20.3	19.1	19.2	19.9	19.6	19.0
Efficiency(dB)	-9.9	-9.8	-9.8	-8.8	-9.8	-9.8	-9.8	-9.9	-9.9
Gain(dBi)	-3.5	-3.9	-4.0	-3.0	-3.8	-3.3	-3.5	-3.6	-3.8

Test	Hand								
Test Point ID	1	2	3	4	5	6	7	8	9
Freq. (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
Efficiency (%)	9.4	9.6	9.5	10.0	10.2	10.1	9.8	9.4	9.2
Efficiency(dB)	-10.3	-10.2	-10.2	-10.0	-9.9	-10.0	-10.1	-10.3	-10.4
Gain(dBi)	-4.4	-4.2	-4.3	-3.9	-3.8	-3.7	-4.0	-4.2	-4.5

GPS SWR

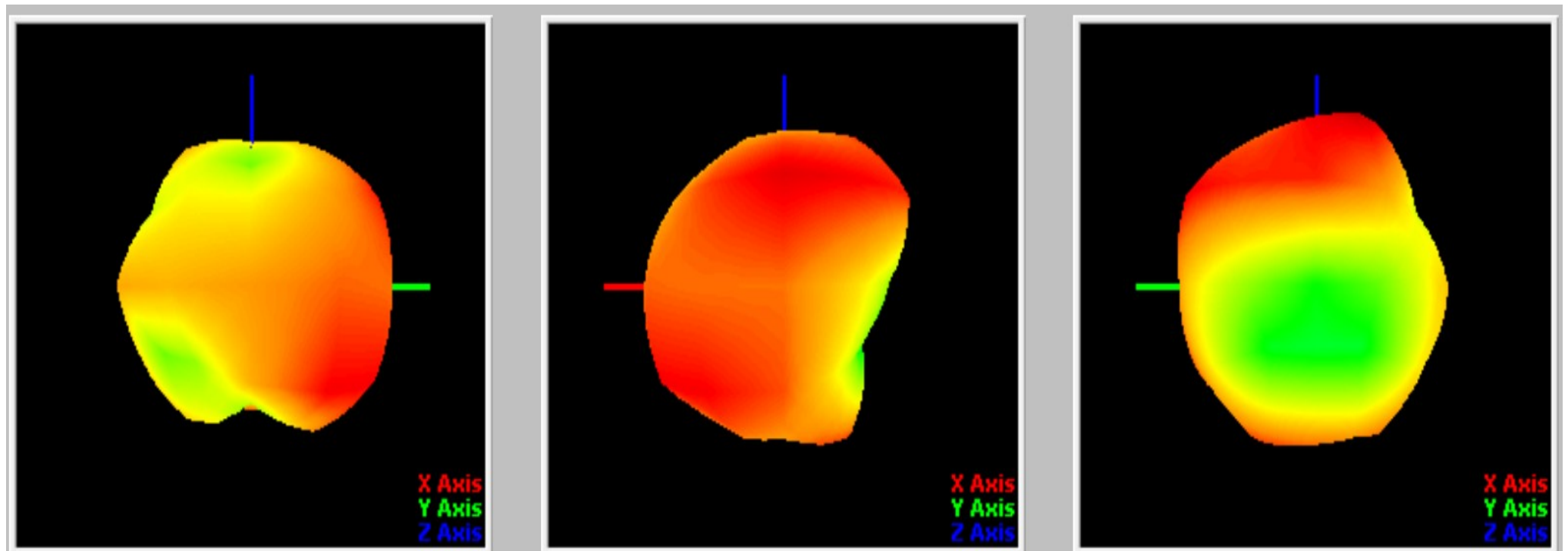


GPS efficiency

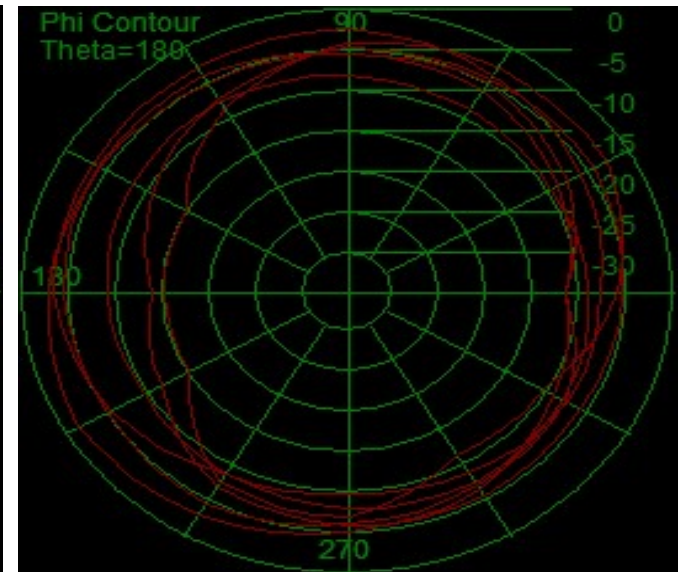
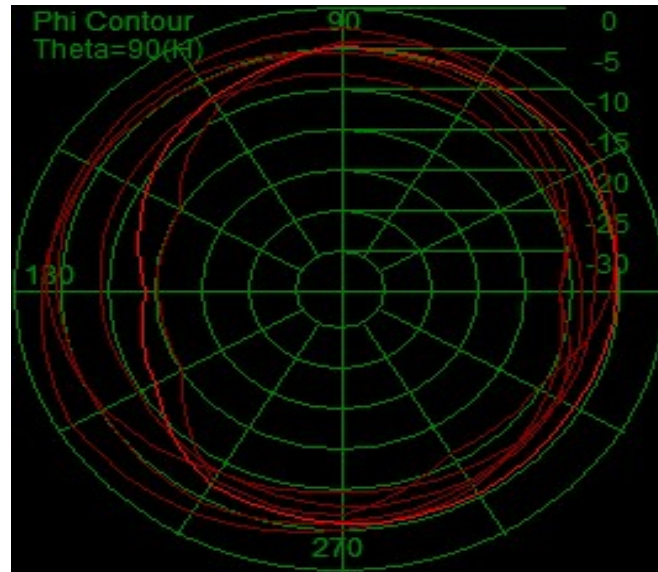
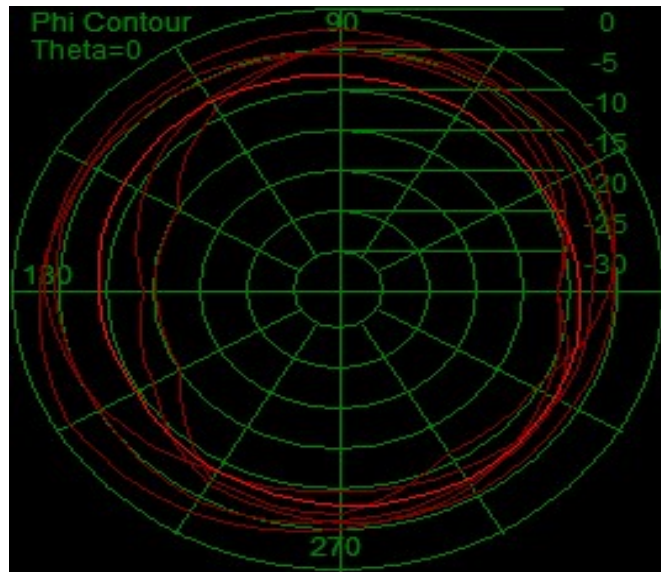
Test	Free-space				
Test Point ID	1	2	3	4	5
Freq. (MHz)	1555	1565	1575	1585	1595
Efficiency (%)	28.4	29.6	30.7	30.0	28.9
Efficiency(dB)	-5.5	-5.3	-5.1	-5.2	-5.4
Gain(dBi)	-1.3	-1.0	-0.7	-0.9	-1.1

Test	Hand				
Test Point ID	1	2	3	4	5
Freq. (MHz)	1555	1565	1575	1585	1595
Efficiency (%)	6.7	7.0	7.5	7.1	6.6
Efficiency(dB)	-11.7	-11.5	-11.2	-11.5	-11.8
Gain(dBi)	-5.5	-5.2	-4.8	-5.1	-5.6

BT direction diagram



BT direction diagram



Antenna size mm

BT

