

**Shenzhen Yongcheng International
Technology Co., Ltd.**

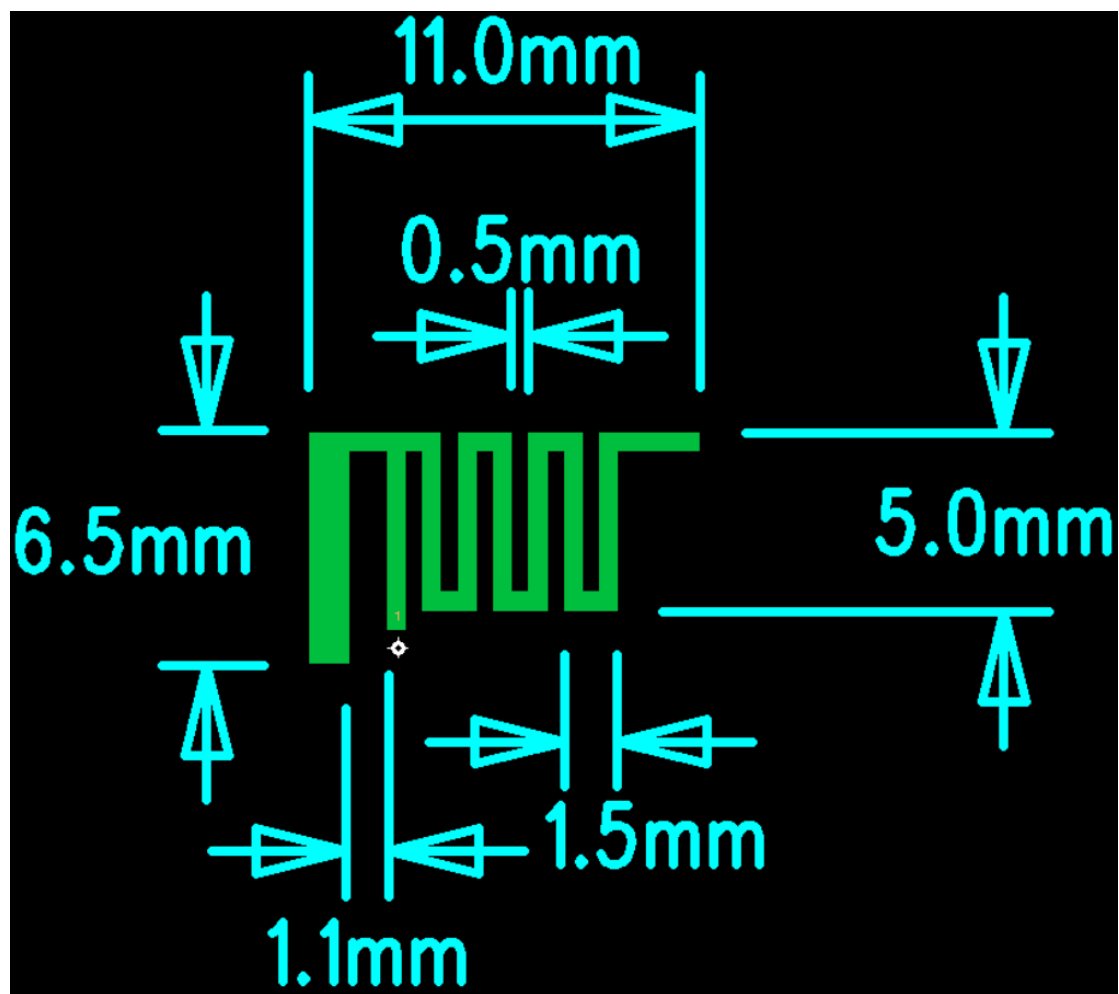
咏成国际科技有限公司

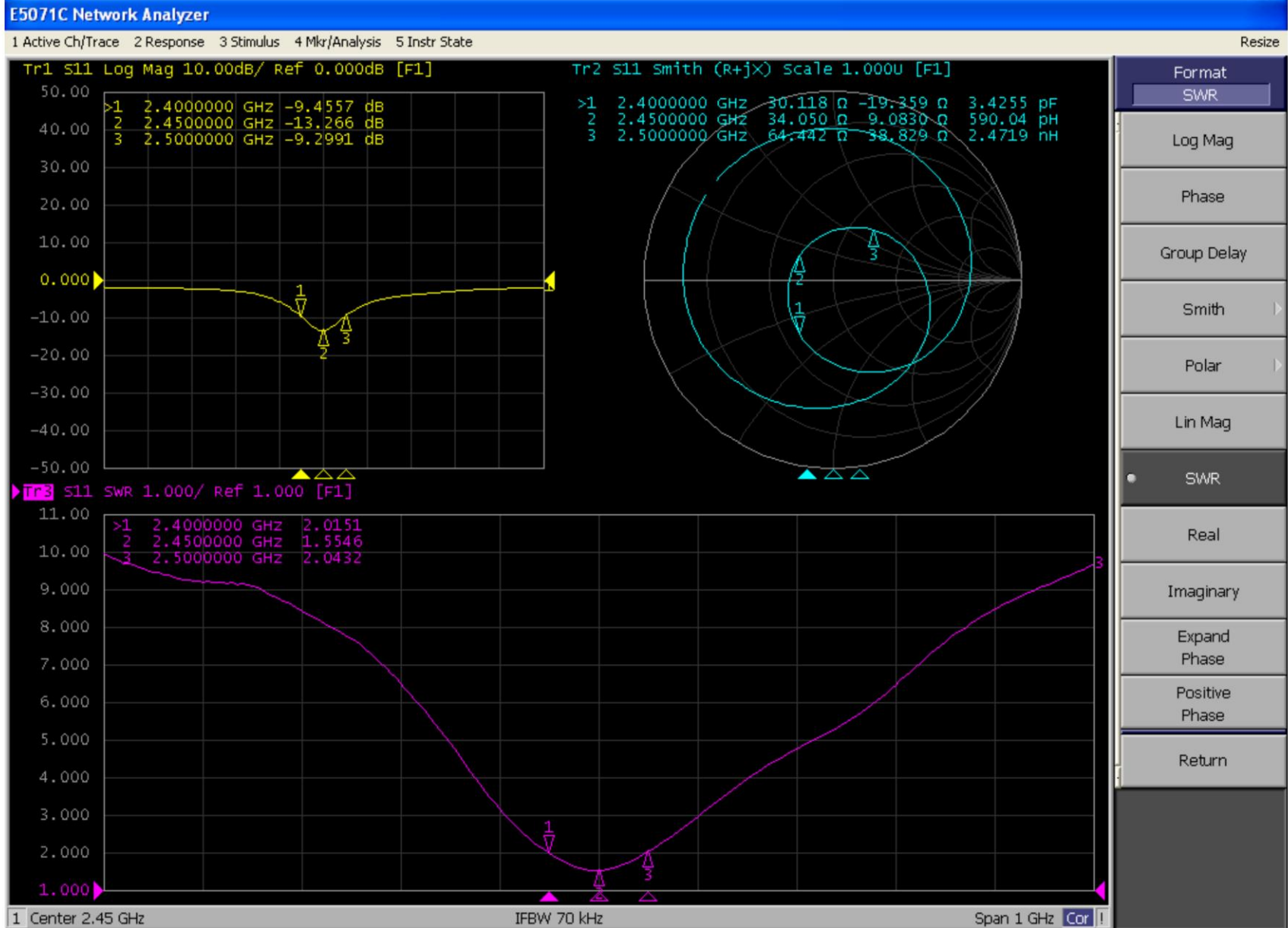
Address: Shenzhen Baoan District Gushu
Xingyu Road Tongan Zhichuang Park F
building 707 (Yongcheng International)

Antenna test report

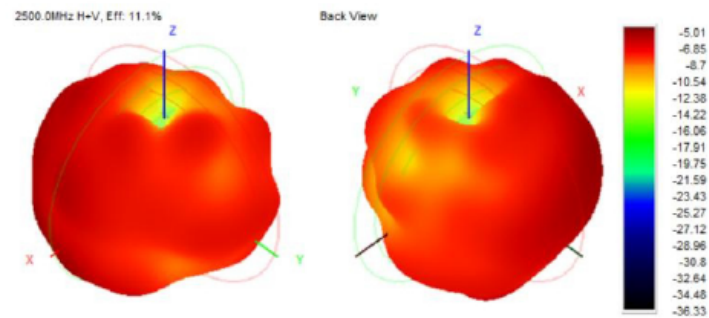
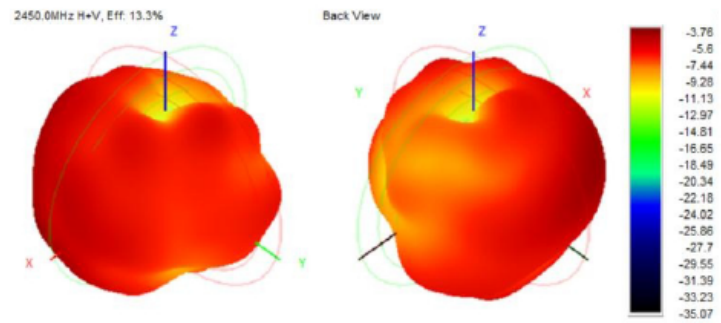
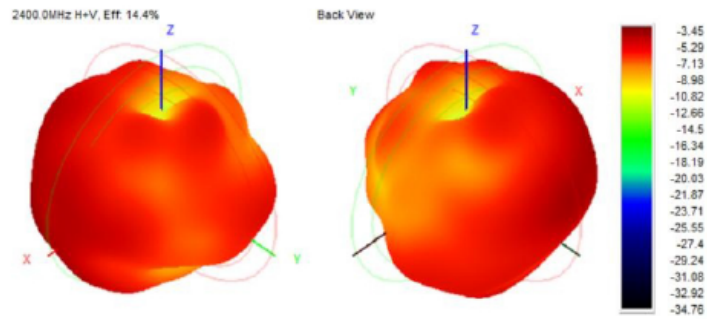
Model:WH205A

			RCX		2026. 04. 17
RF Engineer	CK	Structural engineer	13530576606	Freq uenc y band	2402~2480MHz





Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-8.42	-8.38	-8.34	-8.53	-8.62	-8.77	-8.84	-8.85	-8.79	-9.20	-9.53
Gain (dBi)	-3.45	-3.48	-3.46	-3.64	-3.69	-3.76	-3.88	-4.12	-4.36	-4.91	-5.01
Efficiency (%)	14.39	14.53	14.66	14.02	13.73	13.28	13.08	13.04	13.20	12.03	11.15
Directivity (dB)	4.97	4.89	4.88	4.90	4.93	5.01	4.96	4.72	4.43	4.29	4.52
Peak Gain Position (Theta)	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	97.00	97.00
Peak Gain Position (Phi)	332.00	333.00	333.00	332.00	333.00	334.00	337.00	338.00	338.00	336.00	333.00
Efficiency ThetaPol (%)	10.97	11.11	11.19	10.72	10.46	10.09	9.97	9.73	9.69	8.73	8.28
Efficiency PhiPol (%)	3.42	3.42	3.47	3.29	3.27	3.19	3.11	3.30	3.52	3.29	2.87
Upper Hem. Efficiency (%)	7.29	7.47	7.60	7.30	7.17	6.89	6.64	6.50	6.54	5.92	5.52
Lower Hem. Efficiency (%)	7.10	7.06	7.05	6.71	6.56	6.39	6.44	6.54	6.66	6.11	5.63



Frequency ID	1	
Frequency (MHz)	2402-2480	
Efficiency (dBi)	-8.42	
Gain (dBi)	-3.45	
Efficiency (%)	14.39	
Directivity (dB)	4.97	
Peak Gain Position (Theta)	98.00	
Peak Gain Position (Phi)	332.00	
Efficiency ThetaPol (%)	10.97	
Efficiency PhiPol (%)	3.42	
Upper Hem. Efficiency (%)	7.29	
Lower Hem. Efficiency (%)	7.10	