

⑩ 天线测试报告

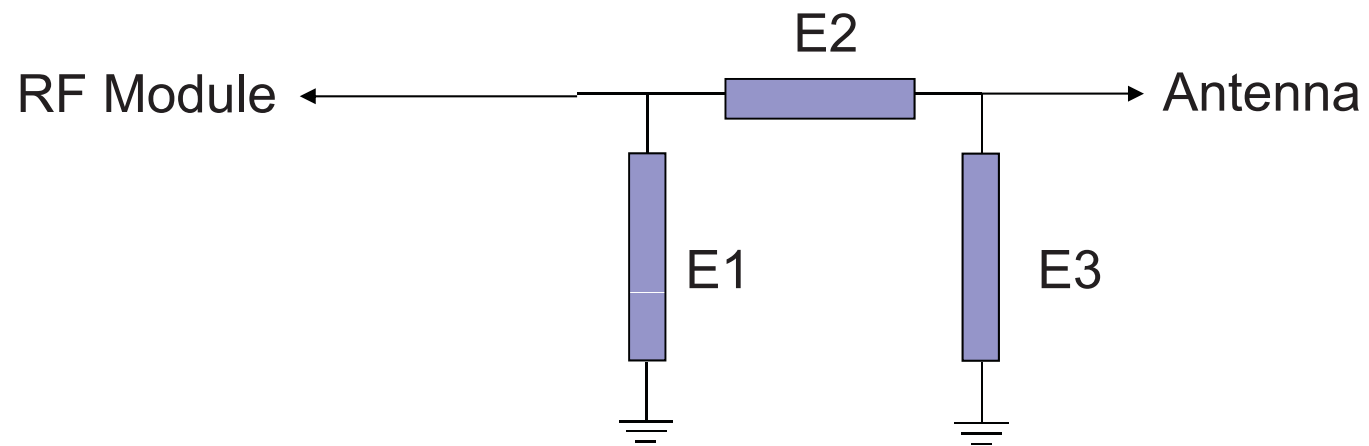
Antenna Test Report

项目名称/Project Name:S140（三诺）

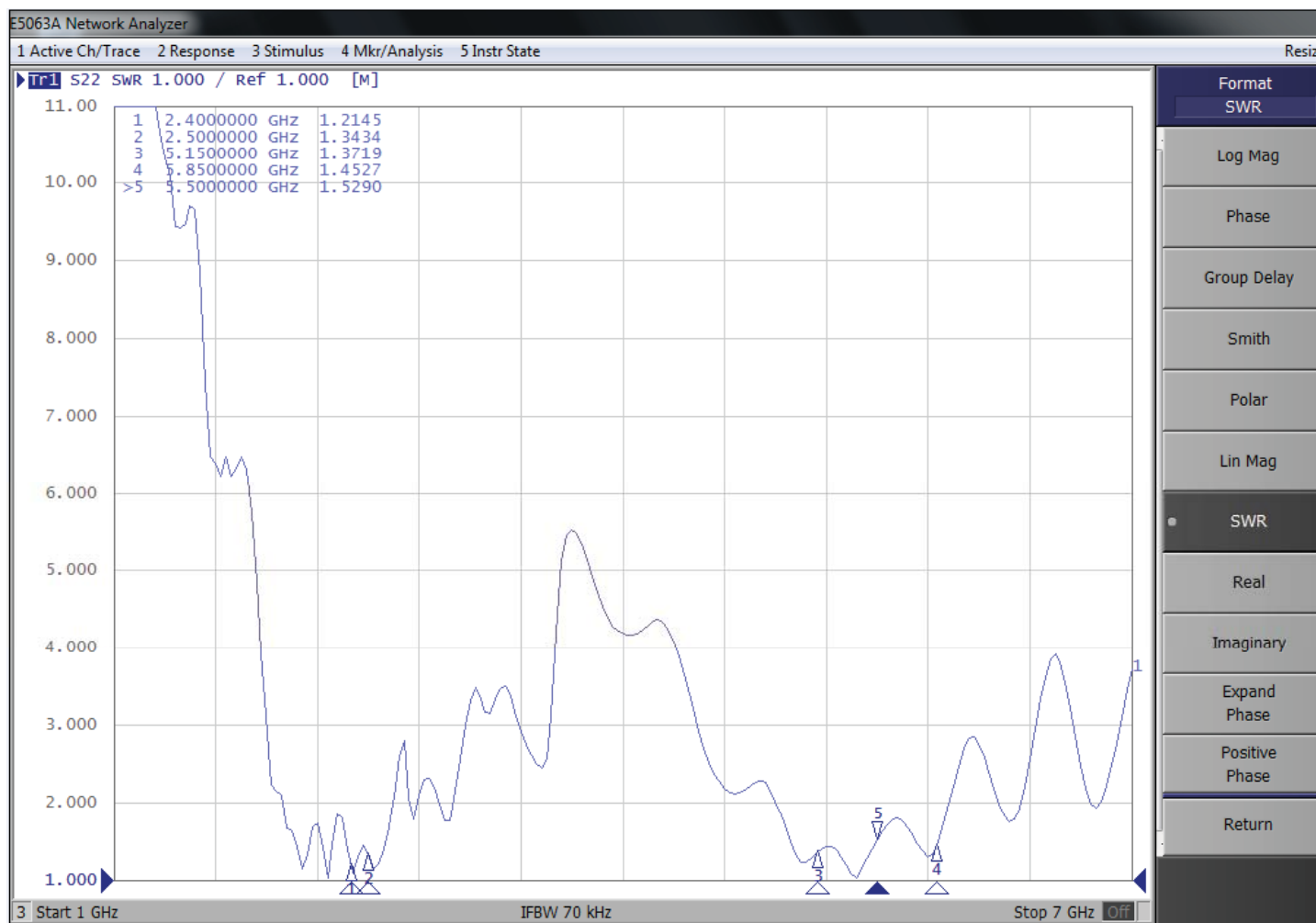
日期/Data:2017.01.19

版本/Ver.1.0

匹配电路



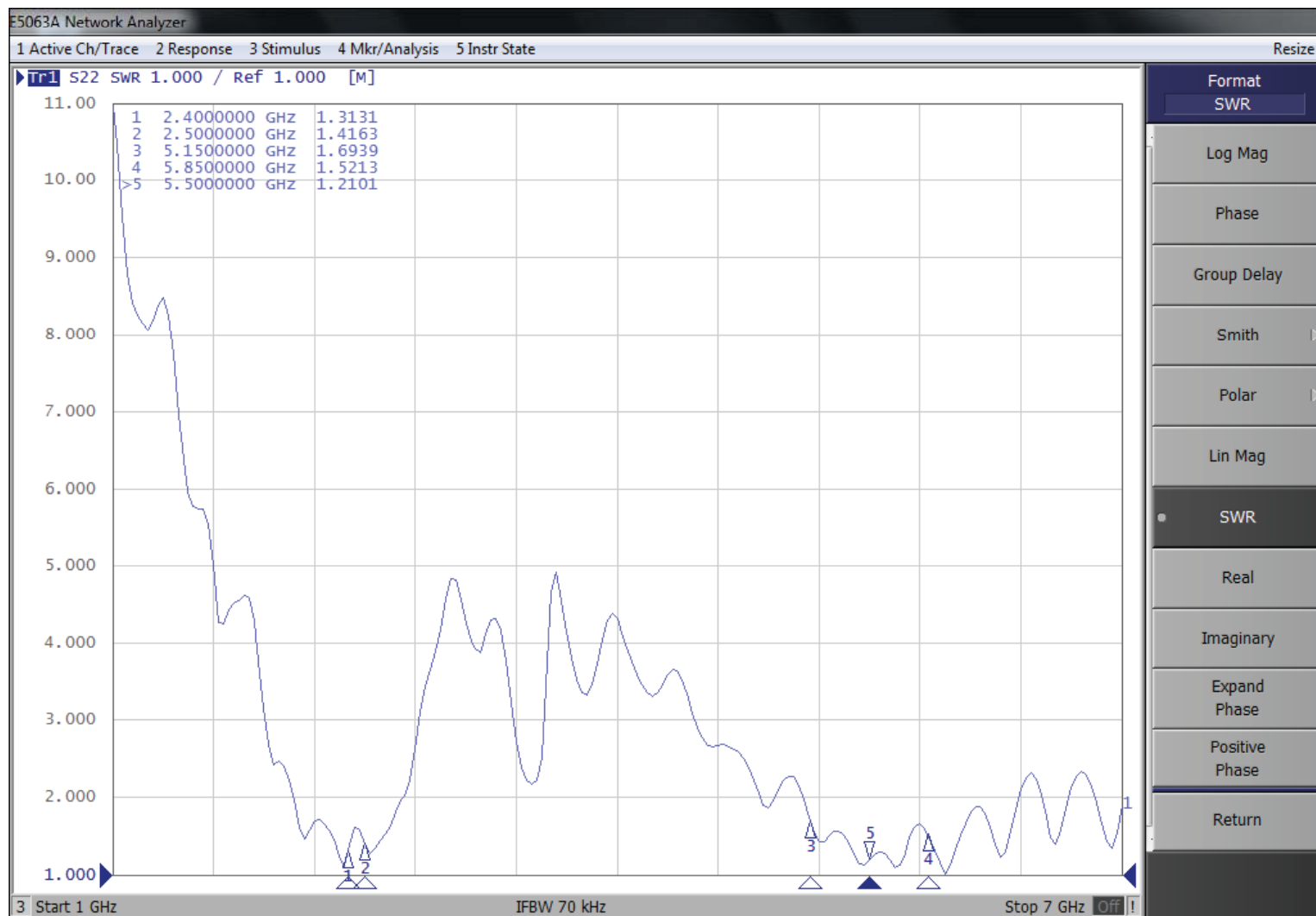
110° Wifi-R天线无源图



110° Wifi-R天线效率&增益

Passive Test For 2.45G				Passive Test For 5.8G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	45.73	-3.40	3.51	5150	44.92	-3.48	2.79
2410	48.29	-3.16	3.71	5200	47.43	-3.24	3.67
2420	49.46	-3.06	3.67	5250	47.07	-3.27	4.61
2430	50.18	-2.99	3.4	5300	50.15	-3.00	3.84
2440	48.36	-3.16	3.12	5350	50.51	-2.97	3.11
2450	51.29	-2.90	3.17	5400	51.21	-2.91	3.88
2460	50.81	-2.94	3.07	5450	50.22	-2.99	4.69
2470	49.27	-3.07	2.86	5500	47.59	-3.22	3.86
2480	50.5	-2.97	2.82	5550	45.72	-3.40	2.75
2490	52.96	-2.76	2.77	5600	47.82	-3.20	2.51
2500	52.96	-2.76	2.41	5650	45.98	-3.37	2.83
				5700	51.69	-2.87	2.29
				5750	44.24	-3.54	1.73
				5800	44.75	-3.49	3.7
				5850	44.97	-3.47	3.86

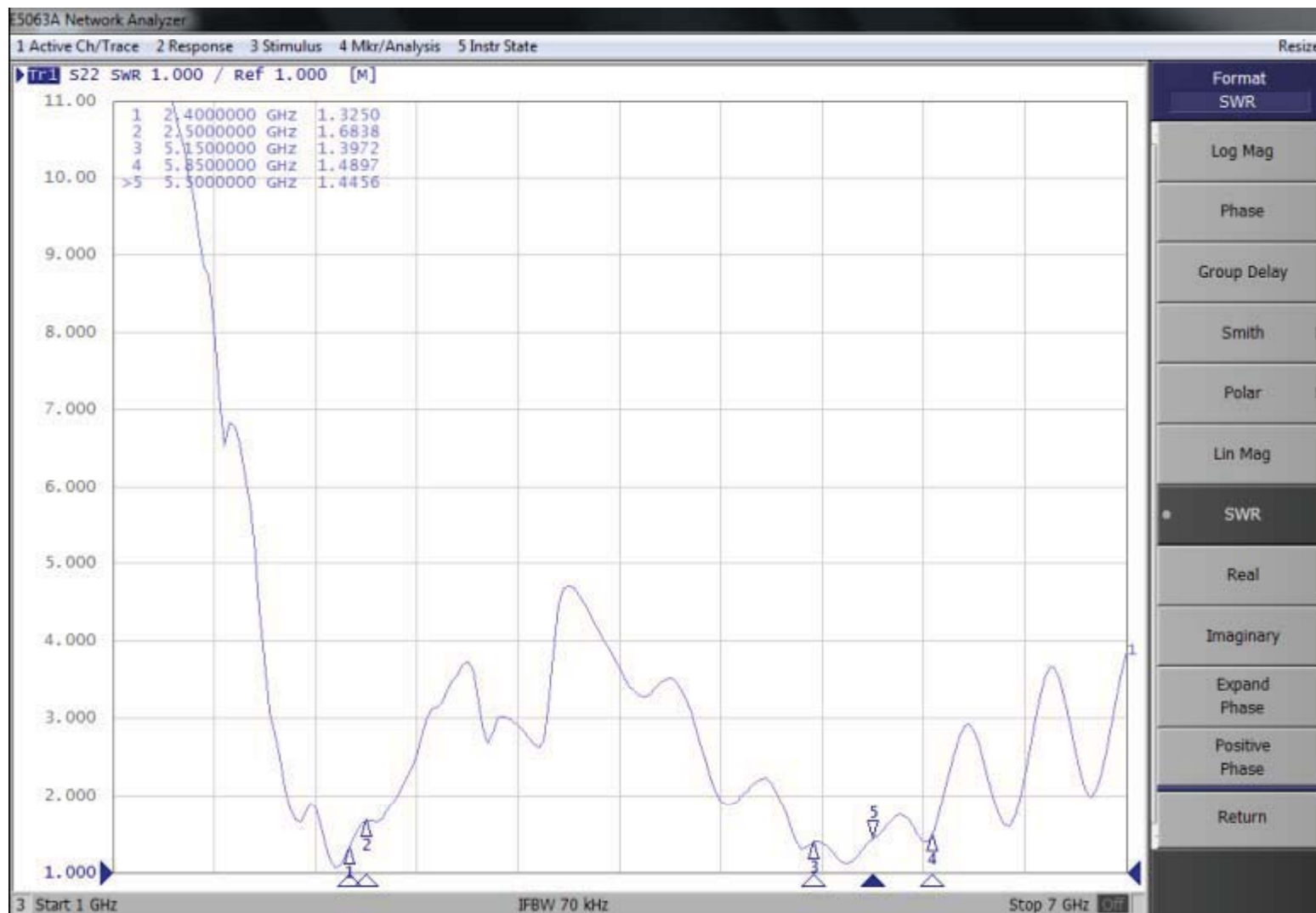
110° Wifi-L天线无源图



110° Wifi-L天线效率&增益

Passive Test For 2.45G				Passive Test For 5.8G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	40.42	-3.93	2.86	5150	35.46	-4.50	1.09
2410	39.87	-3.99	2.71	5200	38.05	-4.20	1.68
2420	40.21	-3.96	2.62	5250	42.64	-3.70	3.03
2430	38.82	-4.11	2.5	5300	42.26	-3.74	3.42
2440	36.85	-4.34	2.37	5350	43.09	-3.66	4.45
2450	39.85	-4.00	2.51	5400	45.69	-3.40	4.12
2460	39.49	-4.04	2.23	5450	47.58	-3.23	4.66
2470	39.39	-4.05	2.14	5500	45.39	-3.43	4.43
2480	42.04	-3.76	2.39	5550	46.91	-3.29	3.55
2490	45.16	-3.45	2.5	5600	47.2	-3.26	4.49
2500	42.32	-3.73	2.6	5650	45.4	-3.43	4.14
				5700	46.08	-3.36	4.15
				5750	41.69	-3.80	3.12
				5800	43.02	-3.66	3.34
				5850	45.19	-3.45	2.6

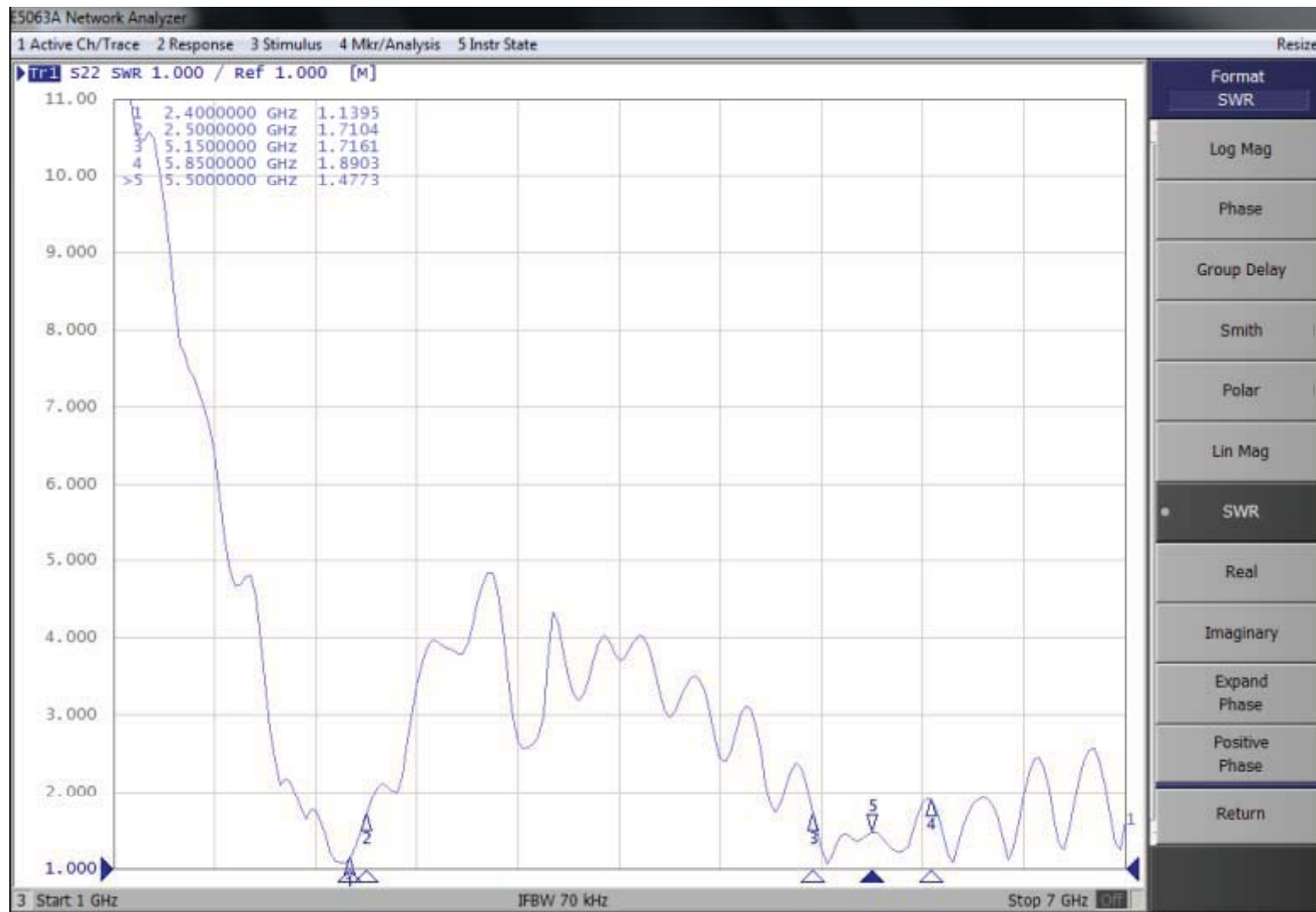
0° Wifi-R天线无源图



0° Wifi-R天线效率&增益

Passive Test For 2.45G				Passive Test For 5.8G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	41.32	-3.84	0.66	5150	41.98	-3.77	1.16
2410	42.08	-3.76	0.83	5200	40.31	-3.95	2.09
2420	42.11	-3.76	0.83	5250	47.56	-3.23	2.58
2430	41.39	-3.83	0.8	5300	46.19	-3.35	2.86
2440	40.46	-3.93	0.85	5350	42.44	-3.72	3.97
2450	44.12	-3.55	1	5400	45.24	-3.44	2.99
2460	42.29	-3.74	0.68	5450	48.44	-3.15	4.59
2470	42.29	-3.74	0.34	5500	47.68	-3.22	2.52
2480	43.84	-3.58	1.06	5550	45.03	-3.46	3.48
2490	43.87	-3.58	1.45	5600	41.49	-3.82	3.13
2500	44.42	-3.52	1.94	5650	42.21	-3.75	3.68
				5700	42.82	-3.68	4.14
				5750	43.8	-3.59	2.32
				5800	45.33	-3.44	3.57
				5850	46.52	-3.32	3.34

0° Wifi-L天线无源图



0° Wifi-L天线效率&增益

Passive Test For 2.45G				Passive Test For 5.8G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	36.79	-4.34	0.69	5150	33.37	-4.77	0.58
2410	36.79	-4.34	1.04	5200	37.13	-4.30	0.62
2420	37.83	-4.22	1.05	5250	39.38	-4.05	2
2430	37.52	-4.26	1.45	5300	38.51	-4.14	1.39
2440	36.08	-4.43	1.31	5350	41.73	-3.80	2.2
2450	38.96	-4.09	2.03	5400	41.03	-3.87	2.33
2460	37.59	-4.25	1.71	5450	43.17	-3.65	2.47
2470	37.38	-4.27	1.73	5500	39.03	-4.09	2.24
2480	38.94	-4.10	1.87	5550	40.64	-3.91	1.88
2490	40.53	-3.92	1.79	5600	39.17	-4.07	1.24
2500	40.67	-3.91	1.72	5650	40.43	-3.93	1.8
				5700	41.11	-3.86	2.32
				5750	39.13	-4.07	1.6
				5800	40.44	-3.93	2.73
				5850	37.49	-4.26	1.63

天线位置

正面

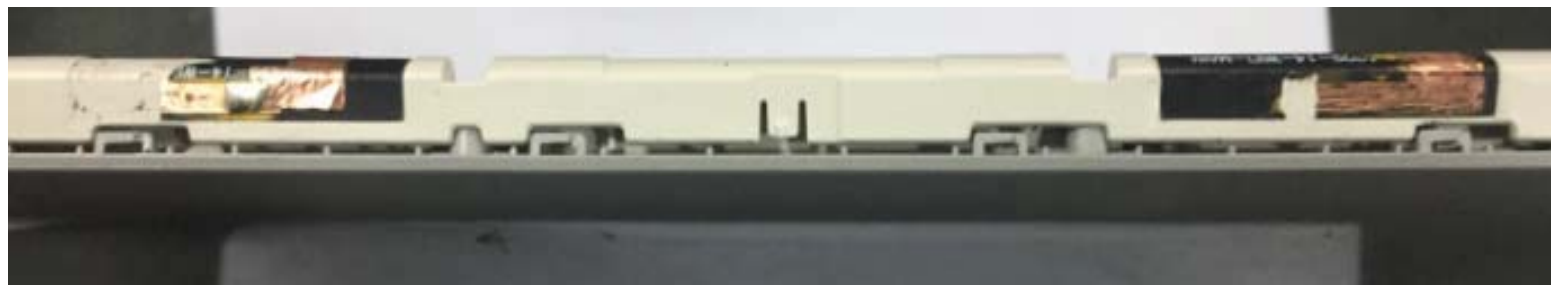
WIFI-R-
MAIN

副天线射频线在主天
线底部穿过去

WIFI-L-
AUX



反面



Thank you!

