

120S-116

Antenna Test Report

2017-04-19

2.0

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Introduction

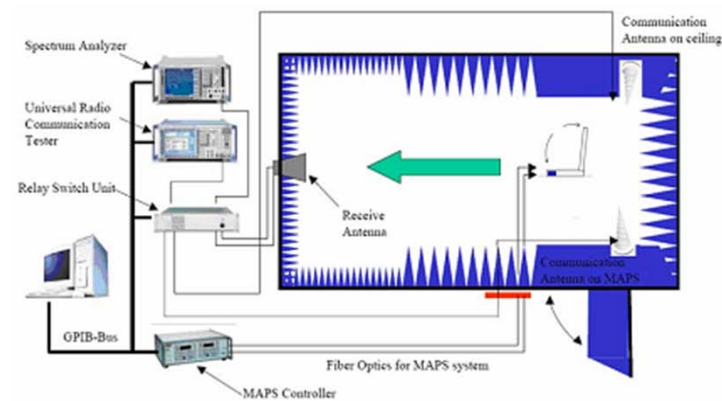
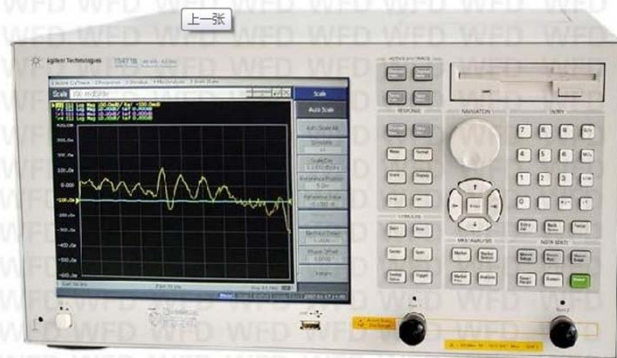
Customer Name		sanchuang	Project Name	Aristotle NB116BT
NO.	ITEMS	DETAILS		
1	Frequency Band	WiFi(2.4GHz、 5.8GHz)		
2	Machine Type	NoteBook		
3	Antenna Model			
4	Antenna type	PIFA		
5	Antenna Material	FPC		
RF		JIM	15818756205	

Network Analyzers :

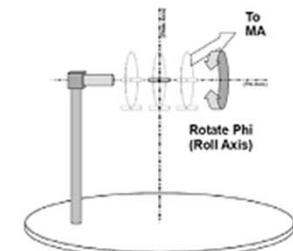
Agilent 5071B

3D Chamber Test System:

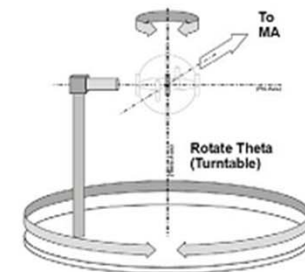
ETS



(Testing by 3D anechoic chamber)

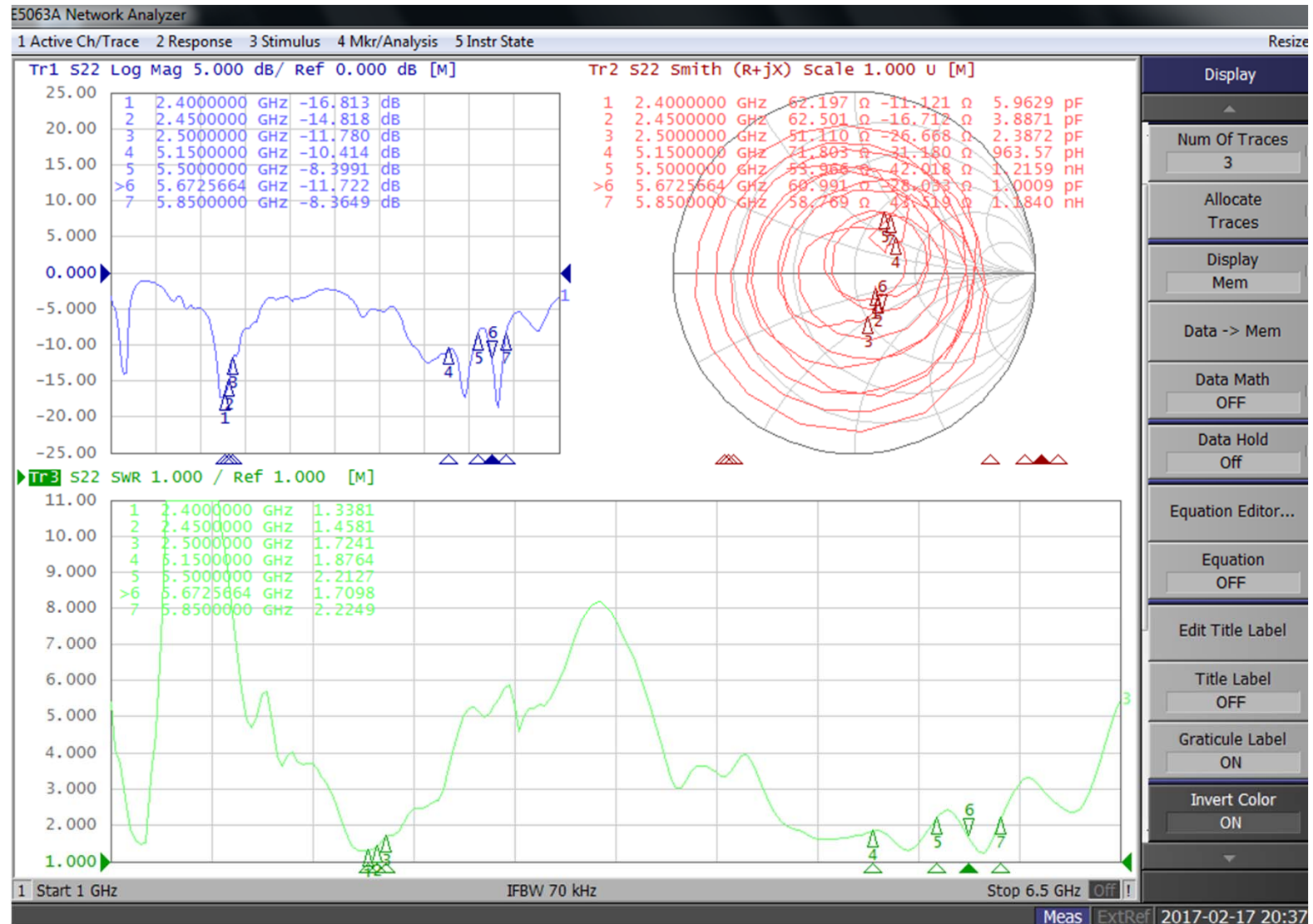


Phi axis test



Theta axis test

WIFI -MIAN OPEN

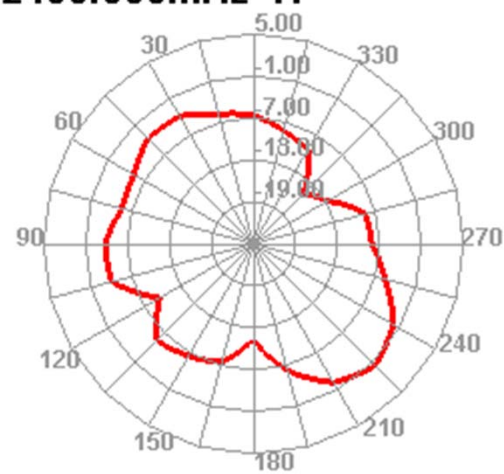


Efficiency & Gain

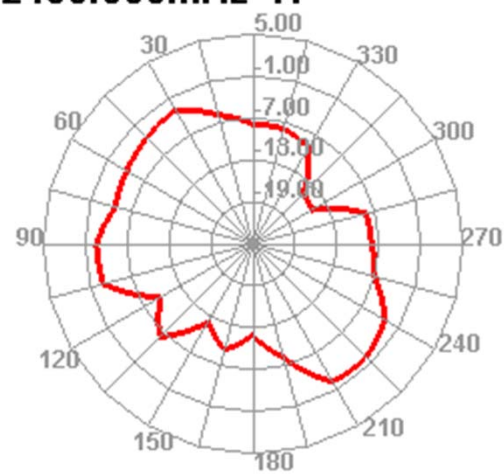
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	48.11	2.61
2410	46.45	3.22
2420	44.86	3.06
2430	46.59	3.56
2440	47.73	3.41
2450	48.81	3.05
2460	52.89	2.83
2470	50.73	2.78
2480	48.68	2.65
2490	49.61	2.53
2500	48.46	2.21

Freq	Effi	Gain
(MHz)	(%)	(dBi)
5150	40.73	4.04
5200	43.78	3.91
5250	44.51	4.75
5300	45.52	3.04
5350	47.22	4.49
5400	47.57	4.36
5450	47.69	3.58
5500	44.83	4.51
5550	45.87	3.57
5600	46.94	4.91
5650	45.41	3.18
5700	43.04	4.41
5750	48.83	2.84
5800	44.25	4.69
5850	48.71	4.43

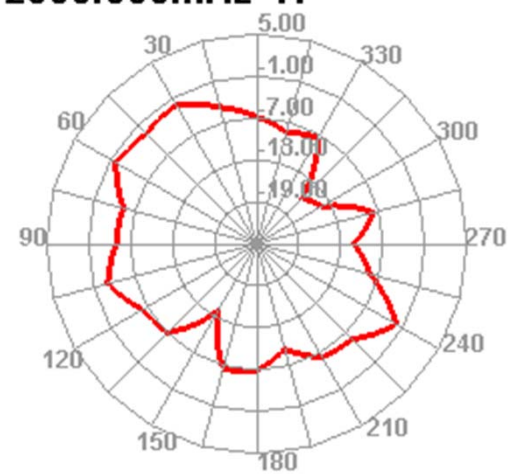
2400.000MHz H



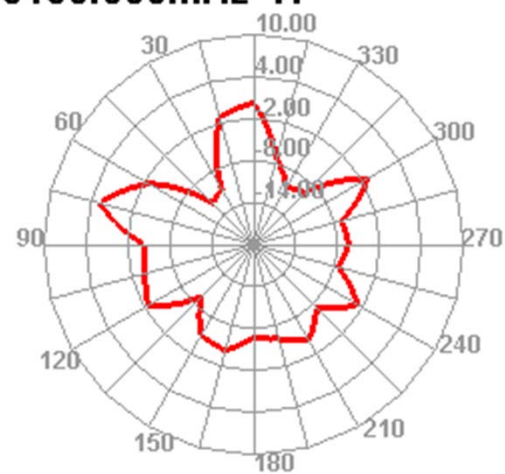
2450.000MHz H



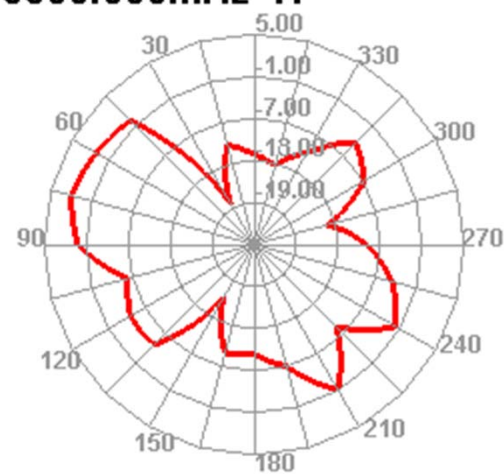
2500.000MHz H



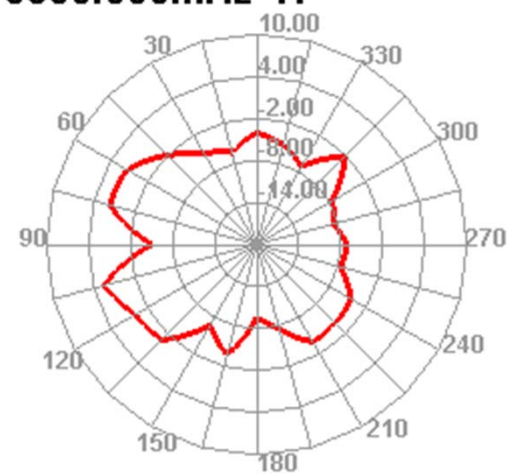
5150.000MHz H



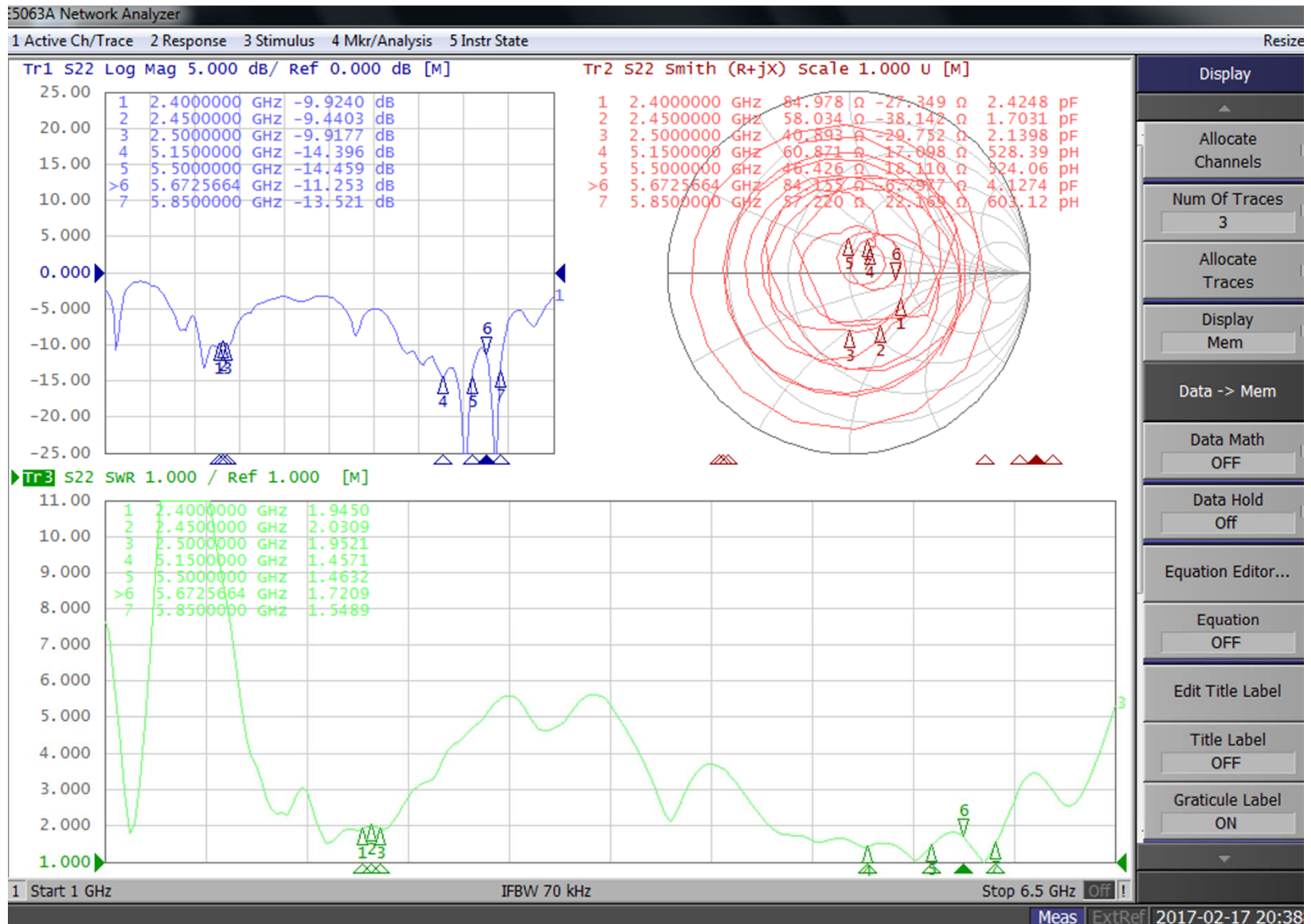
5500.000MHz H



5850.000MHz H



WIFI -MIAN CLOSE



Efficiency & Gain

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	34.44	-0.8
2410	31.48	-0.94
2420	32.77	-0.82
2430	31.8	-0.68
2440	30.84	-0.35
2450	31.61	-0.28
2460	32.16	-0.23
2470	32.96	-0.04
2480	32.26	-0.09
2490	34.95	0.75
2500	35.09	0.29

Freq	Effi	Gain
(MHz)	(%)	(dBi)
5150	41.04	4.83
5200	42.3	2.78
5250	43.68	2.38
5300	46.09	3.16
5350	47.14	4.34
5400	42.3	4.35
5450	47.75	3.9
5500	40.62	4.42
5550	44.9	4.96
5600	43.3	3.9
5650	40.97	4.15
5700	46.19	3.88
5750	42.8	4.35
5800	42.08	3.16
5850	42.59	4.27