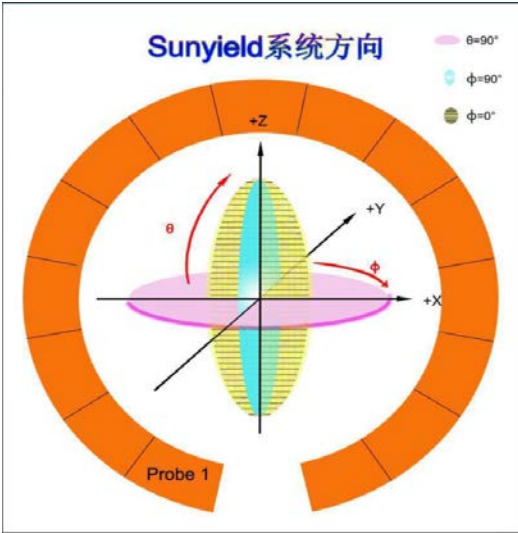
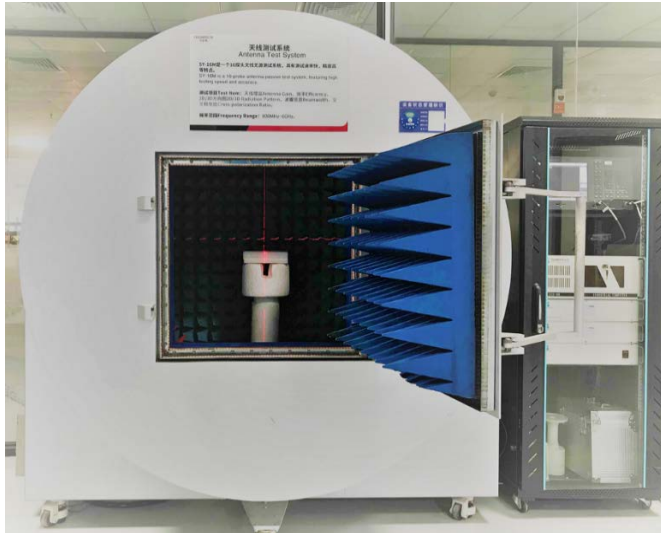
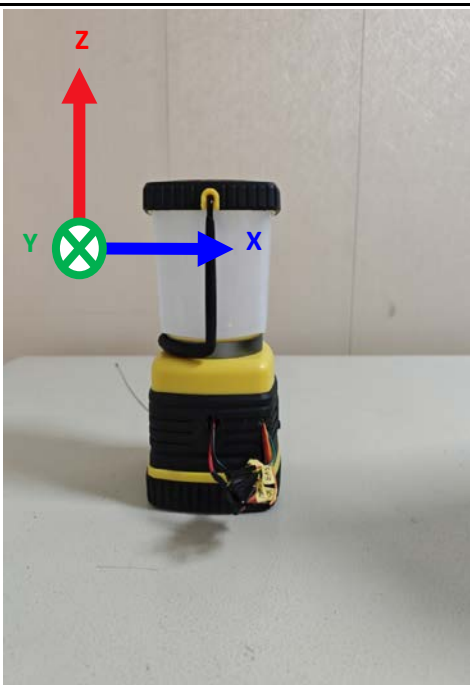
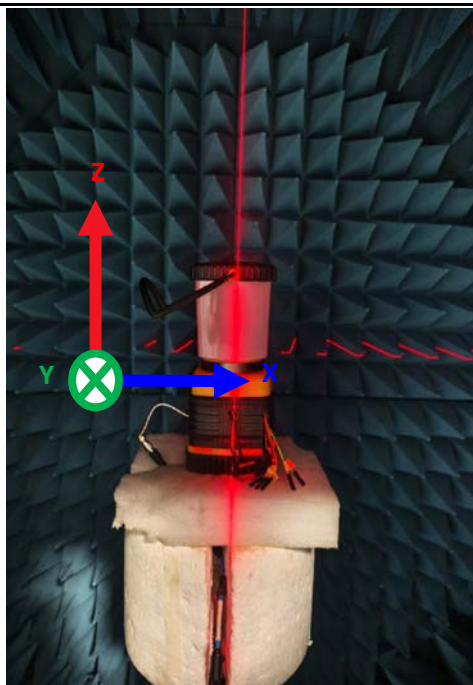
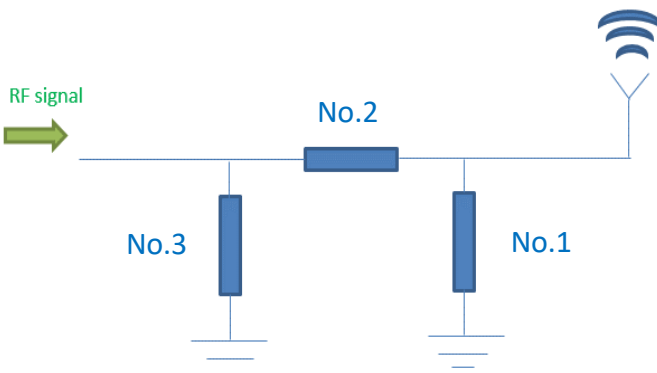
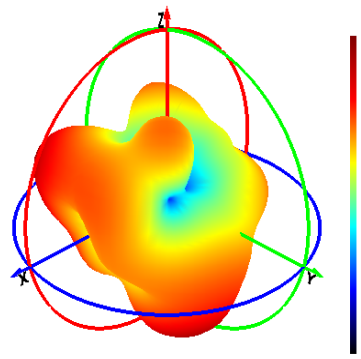
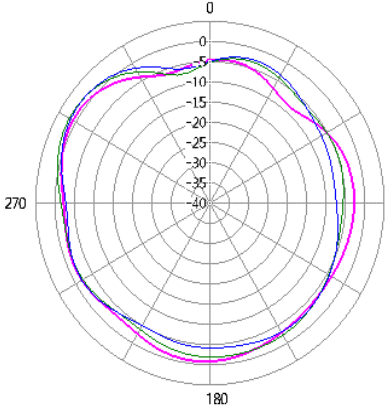
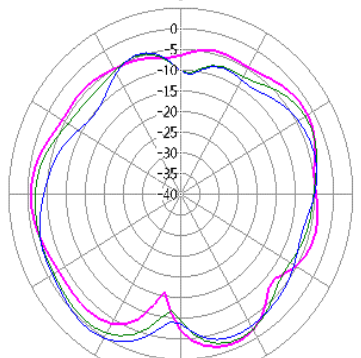
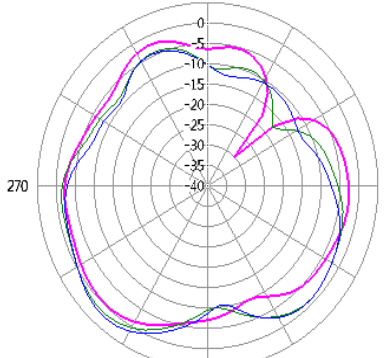
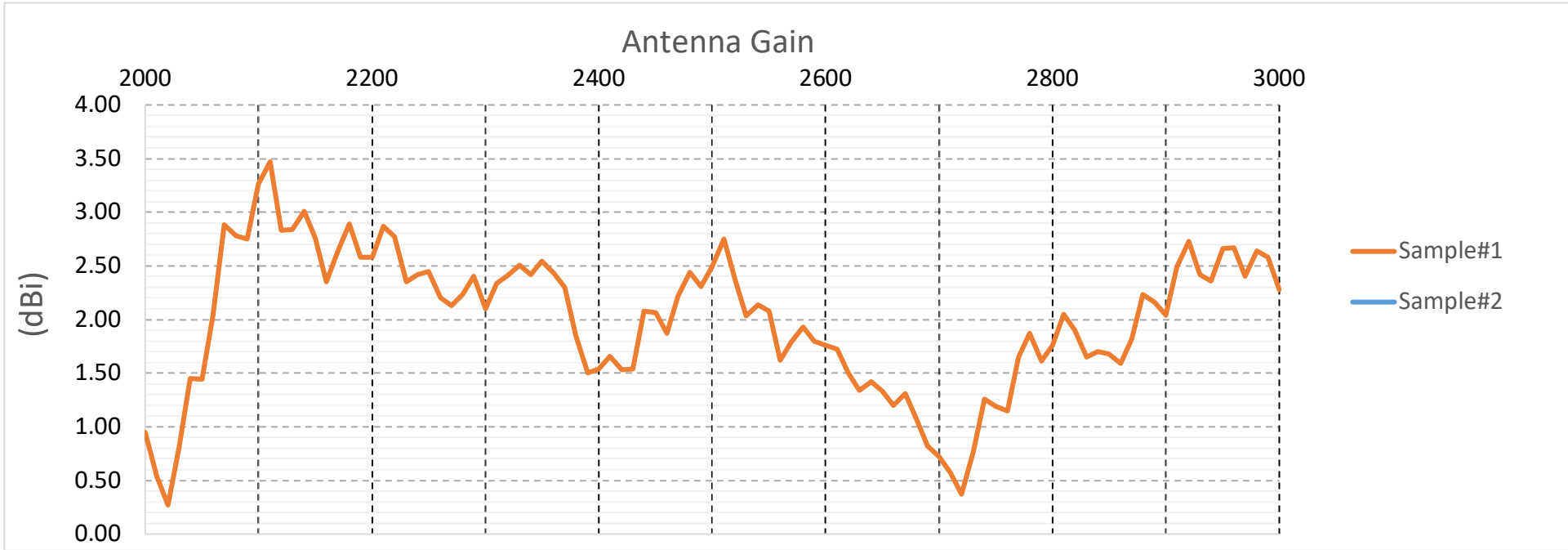
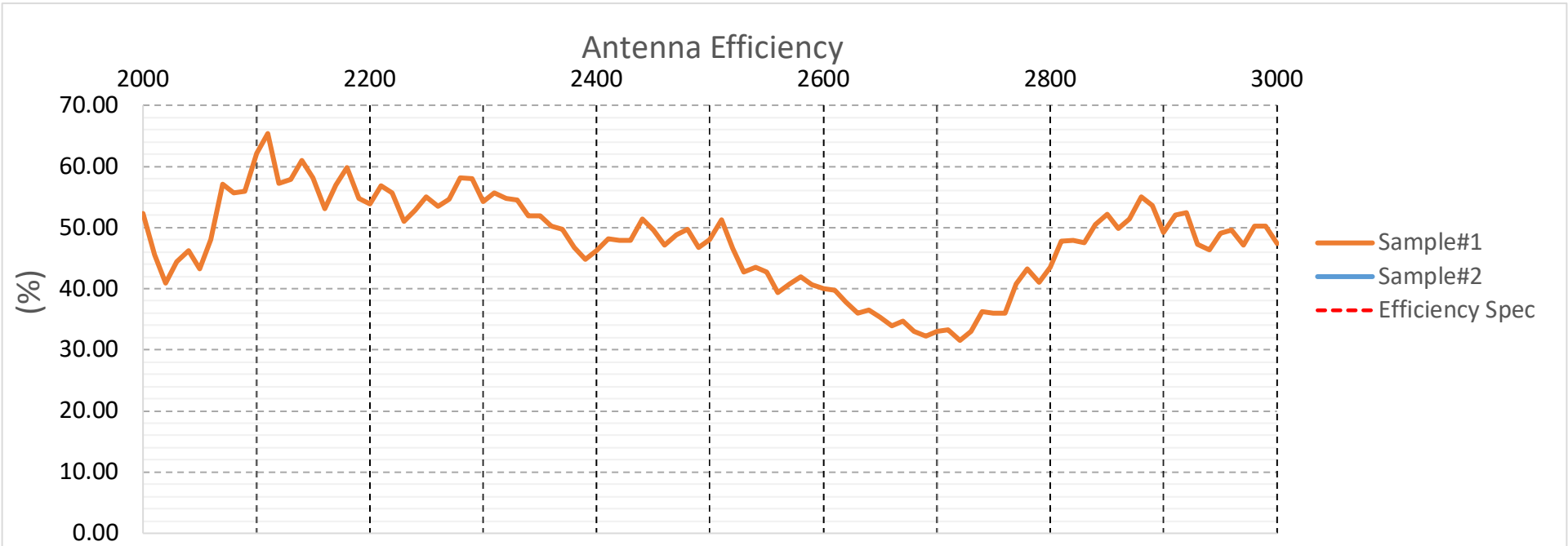
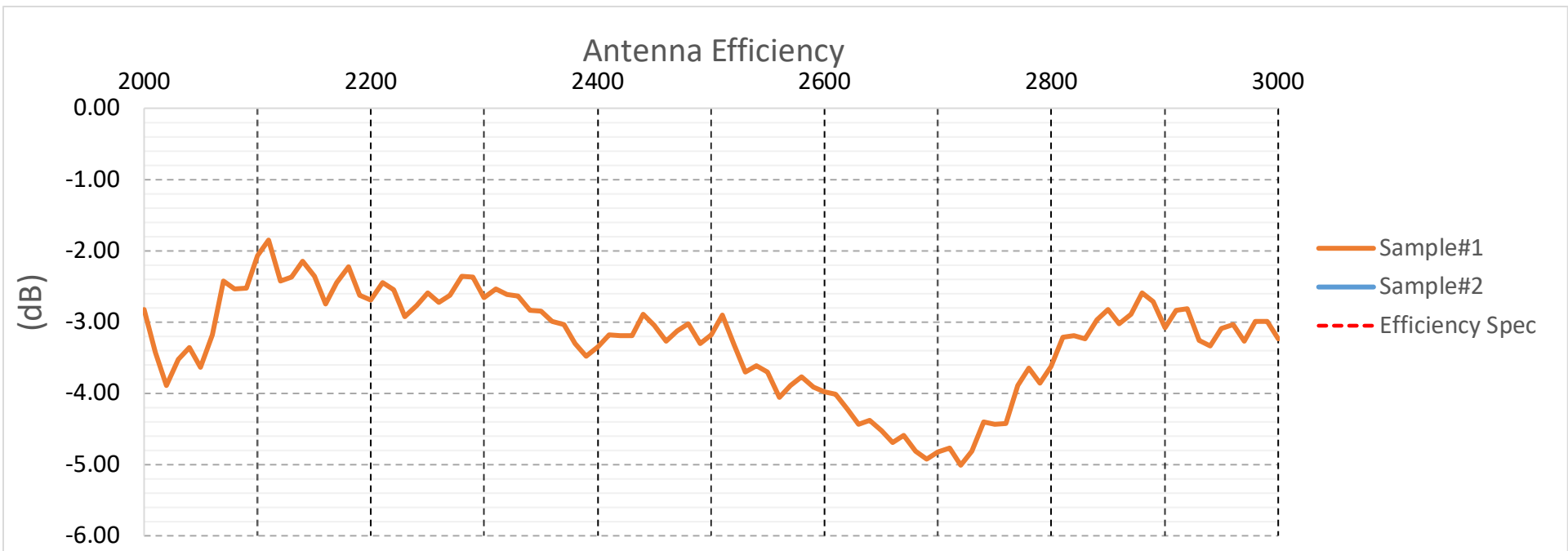


Test setting						
SY-16M Test System			Sample Picture			
						
Antenna Matching						
			Matching Component			
			Position	No. 1	No. 2	No. 3
			Item No.		2022810110	
			Value	NC	HQ1005C3N0BT_0402_3nH_B	NC
			1st			
			2nd			
			3rd			
Remark	只测试不调试					
Passive Test Results						
VNA Data		Chamber Data				
Original Result of Simulation Setting		Frequency (MHz)	Gain (dBi)	Efficiency (dB)	3D	$\theta = 90^{\circ}$ (XY Plane)
		2400	1.54	-3.35		
		2410	1.66	-3.18		
		2420	1.53	-3.19		
		2430	1.54	-3.19		
		2440	2.08	-2.89		
		2450	2.06	-3.05		
		2460	1.87	-3.27		
Final Tuning Result		2470	2.22	-3.12	$\phi = 0^{\circ}$ (XZ Plane)	$\phi = 90^{\circ}$ (YZ Plane)
		2480	2.44	-3.03		
		2490	2.31	-3.30		
		2500	2.49	-3.18		
		-	-	-		
		MIN	1.53	-3.35		
		MAX	2.49	-2.89		
AVG	1.98	-3.16				

LEEDARSON 立达信		Antenna Test Report		Version: 2024-04-02_V2.3			
Product Information							
Client		C11		Protocol		BLE	
Project Number		\		Sample Quantity		1	
Model Number		\		PCB Version		\	
Chip Type		PHY6225		Structure Version		\	
Sample Picutres							
Summary							
No.	I terms	Remark					
1	<u>Passive Test</u>	/					
2	<u>Rawdata</u>	/					
3	<u>Raw File</u>	/					
Author		Xiu Weisong		Test Date		2025. 6. 19	
Verifier		Wang xiaoyong		Review Date		2025. 6. 19	
Date		Version		Revise Content		Reviser	
2025. 6. 19		V2. 3		Establish Report		Xiu Weisong	

Efficiency and Gain								
	Spec		Sample#1			Sample#2		
Frequency (MHz)	Spec (dB)	Spec (%)	Gain (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2000			0.95	-2.82	52.28			
2010			0.53	-3.42	45.51			
2020			0.27	-3.89	40.88			
2030			0.81	-3.53	44.38			
2040			1.45	-3.36	46.17			
2050			1.44	-3.64	43.22			
2060			2.05	-3.18	48.08			
2070			2.88	-2.43	57.11			
2080			2.78	-2.54	55.71			
2090			2.75	-2.53	55.88			
2100			3.26	-2.07	62.13			
2110			3.47	-1.85	65.37			
2120			2.83	-2.42	57.28			
2130			2.84	-2.37	57.88			
2140			3.01	-2.15	60.91			
2150			2.76	-2.36	58.09			
2160			2.35	-2.75	53.09			
2170			2.65	-2.45	56.92			
2180			2.89	-2.23	59.85			
2190			2.58	-2.62	54.73			
2200			2.58	-2.69	53.84			
2210			2.87	-2.45	56.88			
2220			2.77	-2.55	55.62			
2230			2.35	-2.93	50.97			
2240			2.42	-2.77	52.82			
2250			2.45	-2.59	55.02			
2260			2.20	-2.72	53.52			
2270			2.13	-2.62	54.64			
2280			2.23	-2.36	58.07			
2290			2.40	-2.37	57.97			
2300			2.10	-2.66	54.23			
2310			2.34	-2.54	55.70			
2320			2.41	-2.61	54.79			
2330			2.51	-2.64	54.45			
2340			2.42	-2.84	51.97			
2350			2.54	-2.85	51.85			
2360			2.43	-2.99	50.26			
2370			2.30	-3.04	49.66			
2380			1.85	-3.30	46.77			
2390			1.50	-3.48	44.85			
2400			1.54	-3.35	46.21			
2410			1.66	-3.18	48.11			
2420			1.53	-3.19	47.93			
2430			1.54	-3.19	47.93			
2440			2.08	-2.89	51.45			
2450			2.06	-3.05	49.56			
2460			1.87	-3.27	47.08			
2470			2.22	-3.12	48.79			
2480			2.44	-3.03	49.75			
2490			2.31	-3.30	46.76			
2500			2.49	-3.18	48.04			
2510			2.75	-2.90	51.31			
2520			2.37	-3.32	46.57			
2530			2.03	-3.70	42.70			
2540			2.14	-3.61	43.54			
2550			2.08	-3.70	42.69			
2560			1.62	-4.06	39.30			
2570			1.79	-3.89	40.83			
2580			1.93	-3.77	41.99			
2590			1.80	-3.91	40.64			
2600			1.76	-3.98	39.98			
2610			1.72	-4.01	39.74			
2620			1.50	-4.22	37.80			
2630			1.34	-4.44	36.01			
2640			1.42	-4.38	36.49			
2650			1.33	-4.52	35.34			
2660			1.20	-4.69	33.96			
2670			1.31	-4.59	34.72			
2680			1.07	-4.81	33.06			
2690			0.82	-4.92	32.23			
2700			0.72	-4.82	32.99			
2710			0.57	-4.77	33.33			
2720			0.37	-5.01	31.54			
2730			0.77	-4.81	33.07			
2740			1.26	-4.40	36.31			
2750			1.19	-4.44	35.98			
2760			1.15	-4.43	36.03			
2770			1.65	-3.89	40.84			
2780			1.87	-3.65	43.18			
2790			1.61	-3.86	41.10			
2800			1.76	-3.62	43.44			
2810			2.05	-3.21	47.77			
2820			1.90	-3.19	47.94			
2830			1.65	-3.24	47.45			
2840			1.70	-2.97	50.45			
2850			1.68	-2.82	52.19			
2860			1.59	-3.02	49.85			
2870			1.82	-2.89	51.36			
2880			2.23	-2.59	55.07			
2890			2.16	-2.71	53.55			
2900			2.04	-3.08	49.20			
2910			2.49	-2.84	52.00			
2920			2.73	-2.81	52.40			
2930			2.42	-3.26	47.19			
2940			2.36	-3.34	46.37			
2950			2.66	-3.09	49.12			
2960			2.67	-3.04	49.62			
2970			2.40	-3.27	47.07			
2980			2.64	-2.99	50.24			
2990			2.58	-2.99	50.23			
3000			2.28	-3.24	47.41			



Raw File List					
No.	Item	File Type	Sample #1	Sample #2	Remark
1	VSWR	SnP			
2	Passive data	trx			
3					