

Antenna SPEC

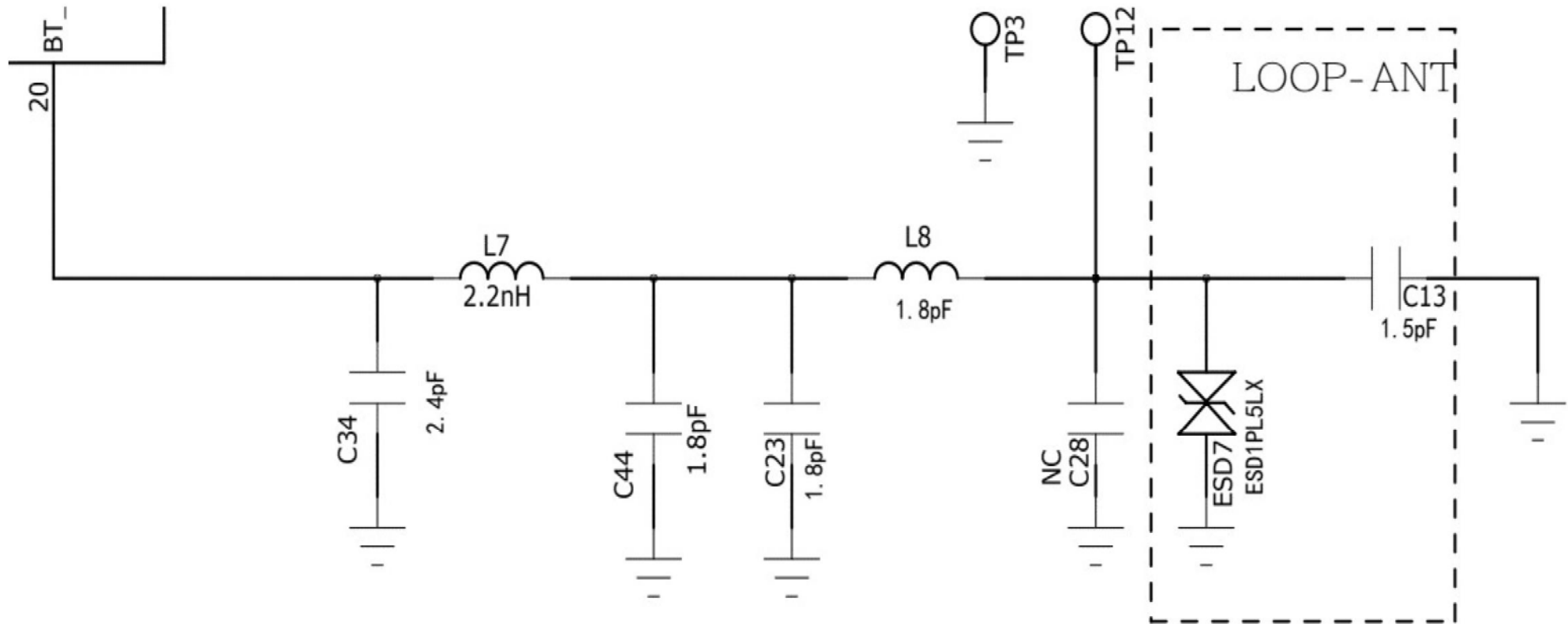
Customer	REALME
Project name	KEEP-S
Model IC	BT8931H
Model Ant.	LOOP Ant

Manufacturer: SHENZHEN BOOMTECH INDUSTRIAL SHARES CO., LTD

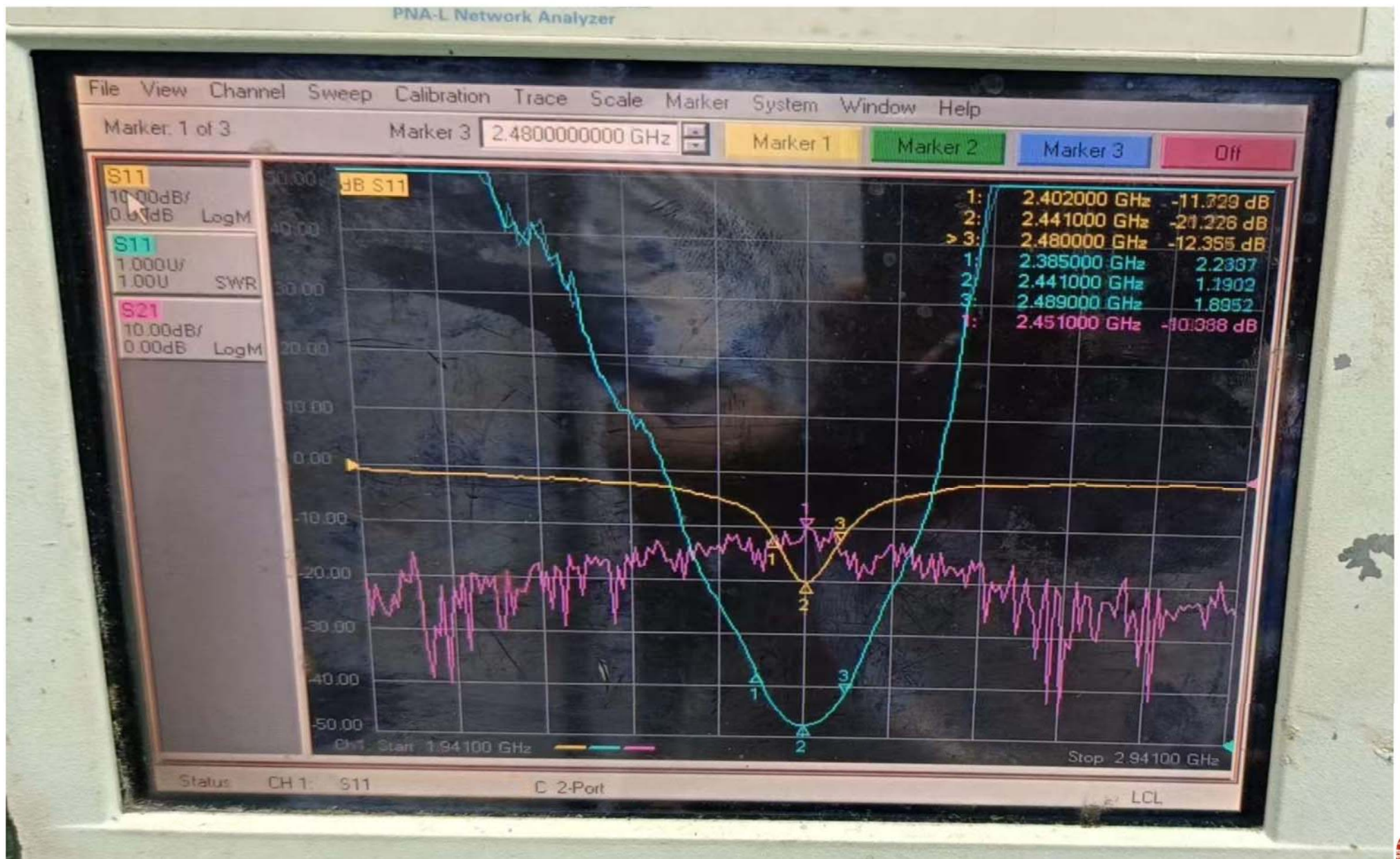
Address: 906, 9th Floor, Block A, Huizhi R&D Center, Baoan District, Shenzhen

2024/08/22

Antenna Matching



S11 Parameter



Gain & Efficiency

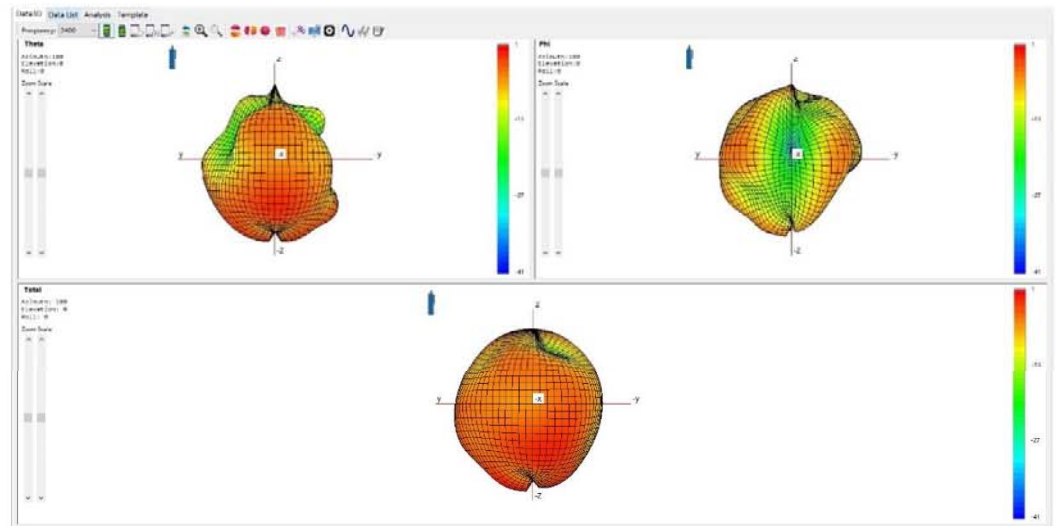
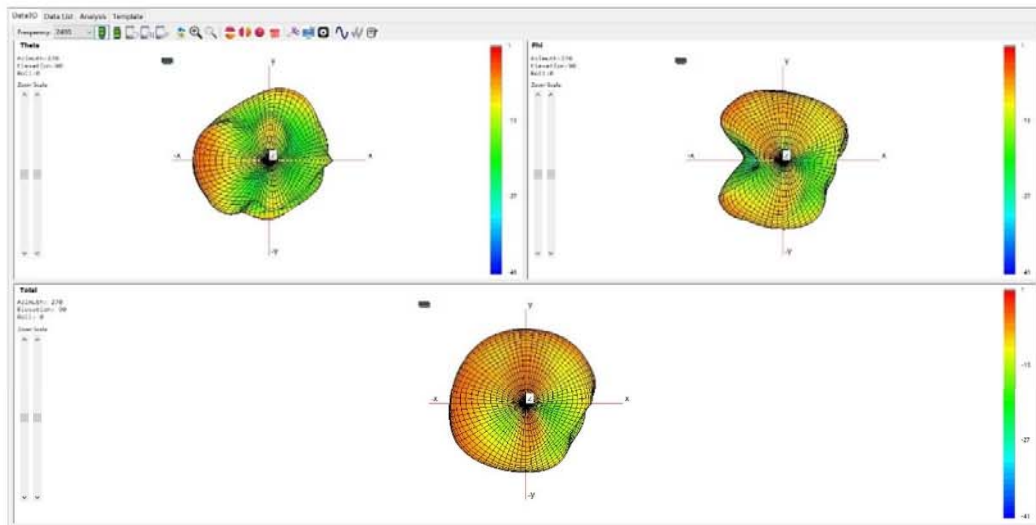
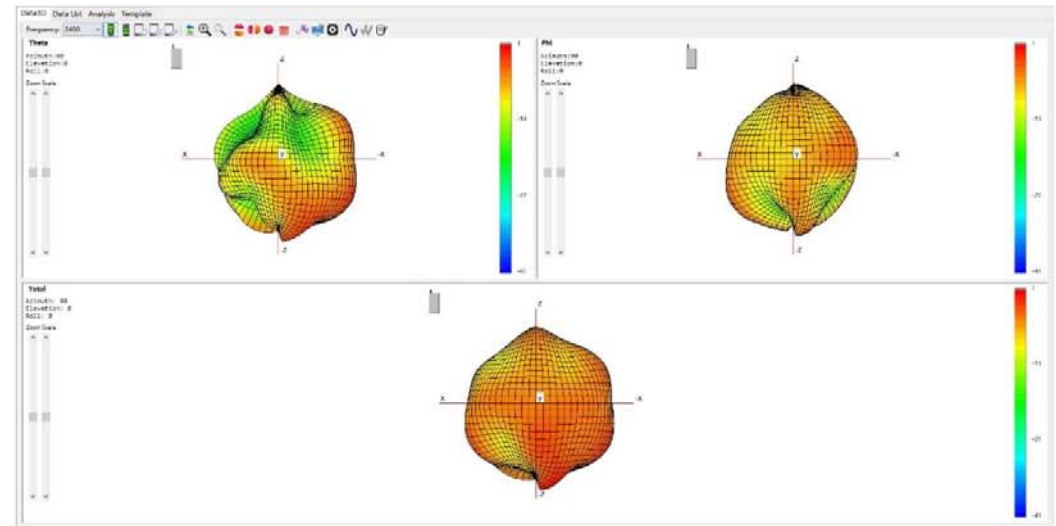
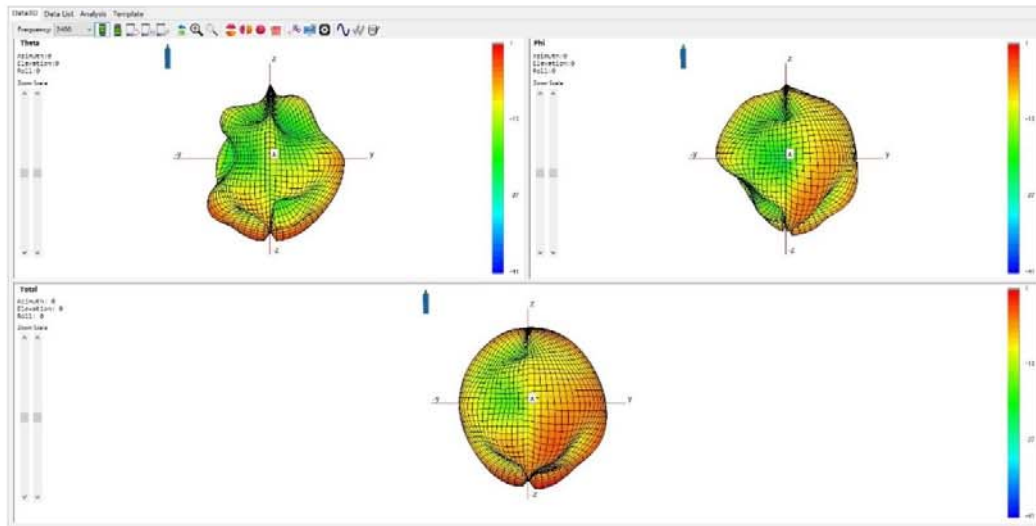
天线效率		
Freq (MHz)	Efficiency	Gain (dBi)
2400	27.13	0.19
2401	27.22	0.20
2402	27.29	0.22
2403	27.36	0.23
2404	27.40	0.24
2405	27.44	0.24
2406	27.49	0.24
2407	27.53	0.25
2408	27.55	0.24
2409	27.54	0.23
2410	27.53	0.22
2411	27.52	0.21
2412	27.49	0.19
2413	27.44	0.17
2414	27.37	0.15
2415	27.28	0.12
2416	27.20	0.10
2417	27.12	0.07
2418	27.00	0.04
2419	26.90	0.02
2420	26.80	-0.01
2421	26.66	-0.04
2422	26.52	-0.07
2423	26.42	-0.09
2424	26.31	-0.12

2425	26.22	-0.15
2426	26.10	-0.17
2427	26.04	-0.19
2428	26.02	-0.20
2429	26.01	-0.21
2430	26.05	-0.22
2431	26.03	-0.23
2432	26.01	-0.25
2433	26.00	-0.26
2434	25.98	-0.27
2435	25.96	-0.29
2436	25.87	-0.32
2437	25.78	-0.34
2438	25.67	-0.37
2439	25.54	-0.40
2440	25.40	-0.44
2441	25.26	-0.47
2442	25.10	-0.51
2443	24.93	-0.56
2444	24.75	-0.60
2445	24.54	-0.64
2446	24.37	-0.68
2447	24.20	-0.73
2448	24.02	-0.77
2449	23.84	-0.81
2450	23.65	-0.85

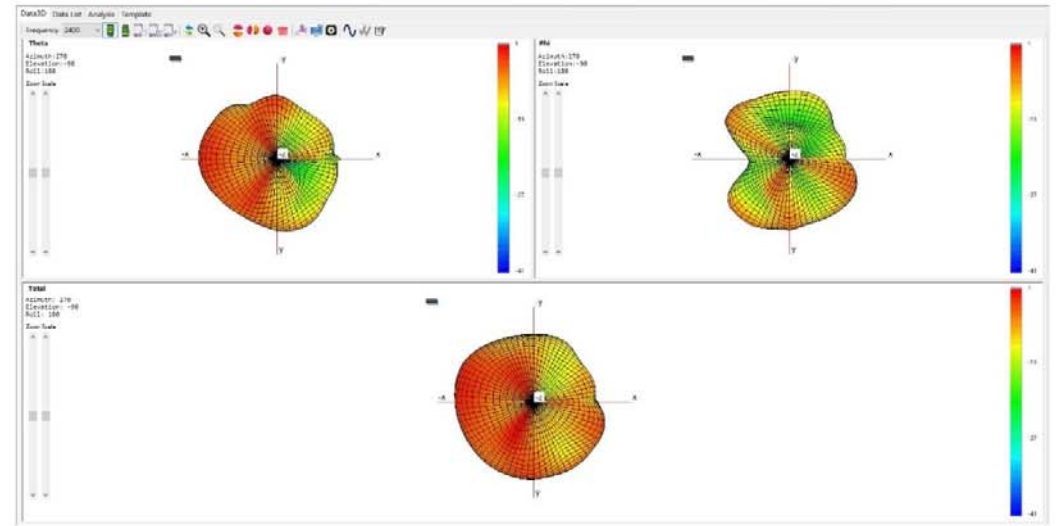
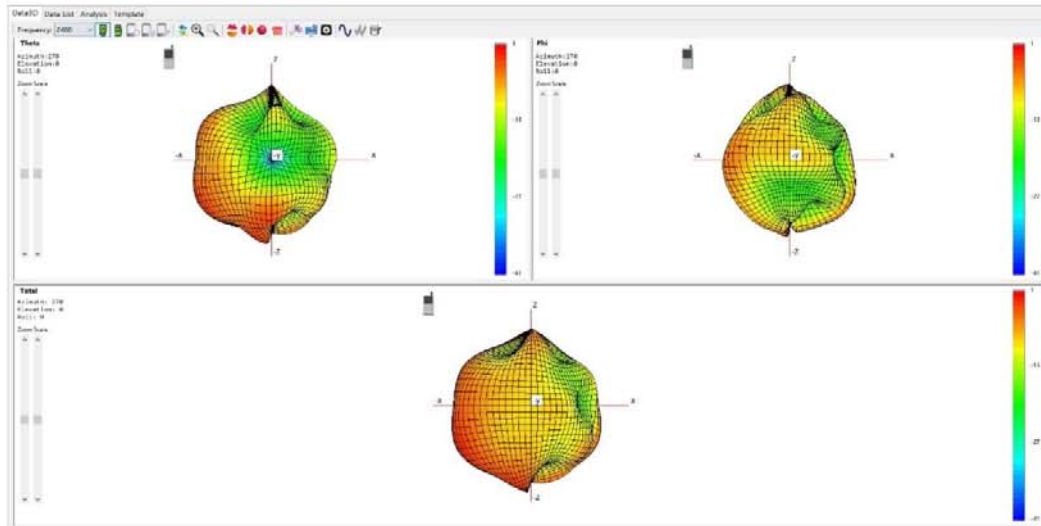
2451	23.48	-0.89
2452	23.33	-0.92
2453	23.18	-0.96
2454	23.01	-0.99
2455	22.84	-1.04
2456	22.68	-1.07
2457	22.50	-1.11
2458	22.32	-1.14
2459	22.13	-1.19
2460	21.94	-1.24
2461	21.76	-1.28
2462	21.59	-1.32
2463	21.41	-1.37
2464	21.22	-1.42
2465	21.03	-1.47
2466	20.85	-1.52
2467	20.69	-1.58
2468	20.51	-1.63
2469	20.31	-1.66
2470	20.11	-1.69
2471	19.90	-1.73
2472	19.72	-1.75
2473	19.55	-1.78
2474	19.37	-1.81
2475	19.22	-1.83

	2475	19.22	-1.83	
	2476	19.07	-1.86	
	2477	18.90	-1.89	
	2478	18.74	-1.92	
	2479	18.59	-1.96	
	2480	18.45	-1.99	
	2481	18.33	-2.03	
	2482	18.22	-2.06	
	2483	18.12	-2.09	
	2484	18.02	-2.13	
	2485	17.92	-2.17	
	2486	17.83	-2.21	
	2487	17.75	-2.24	
	2488	17.67	-2.26	
	2489	17.59	-2.30	
	2490	17.49	-2.33	
	2491	17.40	-2.36	
	2492	17.31	-2.39	
	2493	17.22	-2.42	
	2494	17.12	-2.45	
	2495	17.02	-2.48	
	2496	16.87	-2.52	
	2497	16.72	-2.57	
	2498	16.57	-2.61	
	2499	16.44	-2.65	
	2500	16.31	-2.69	
最大效率	2408	27.55	0.25	最大增益

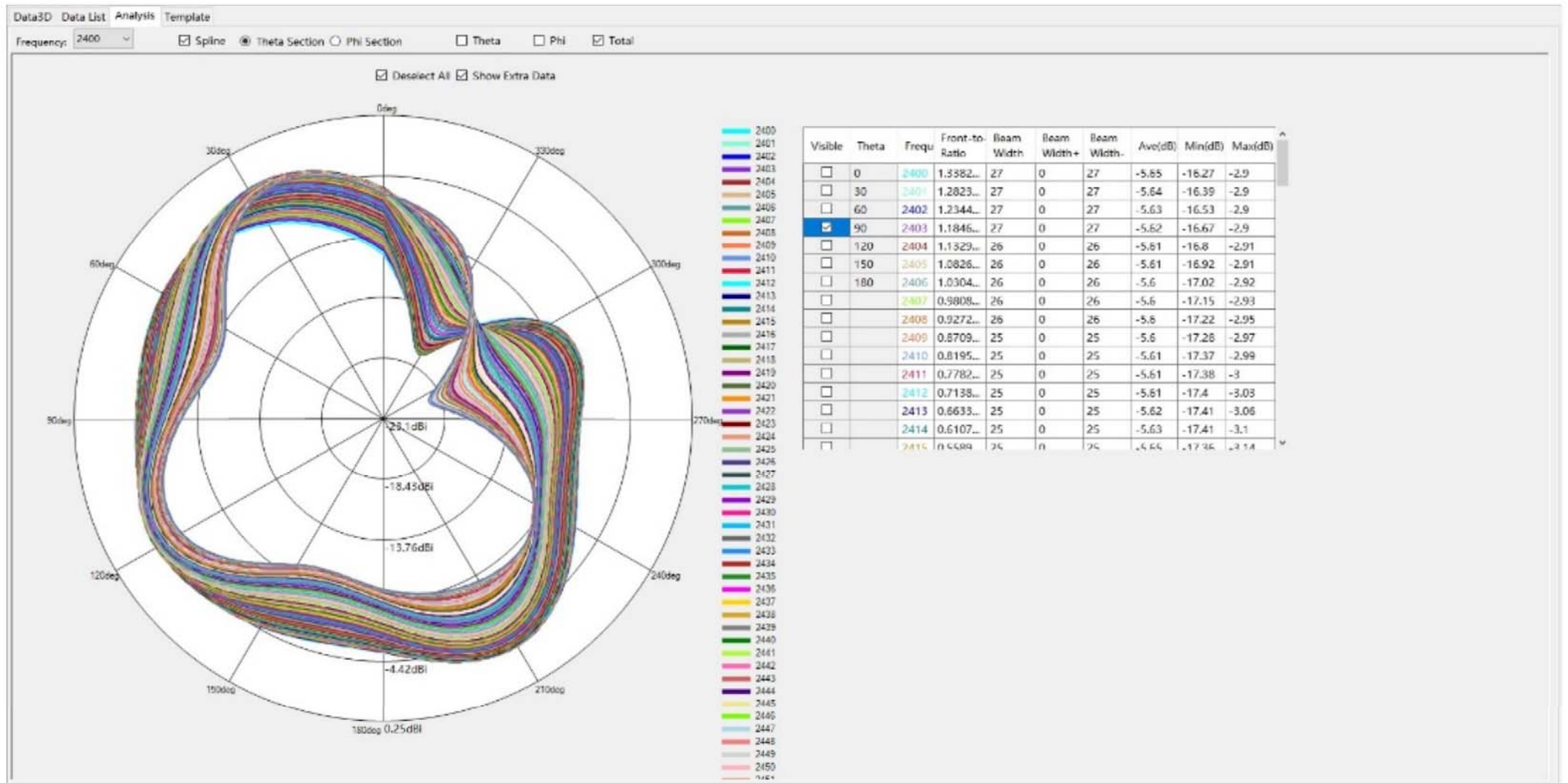
3D辐射图 (3D radiation chart)



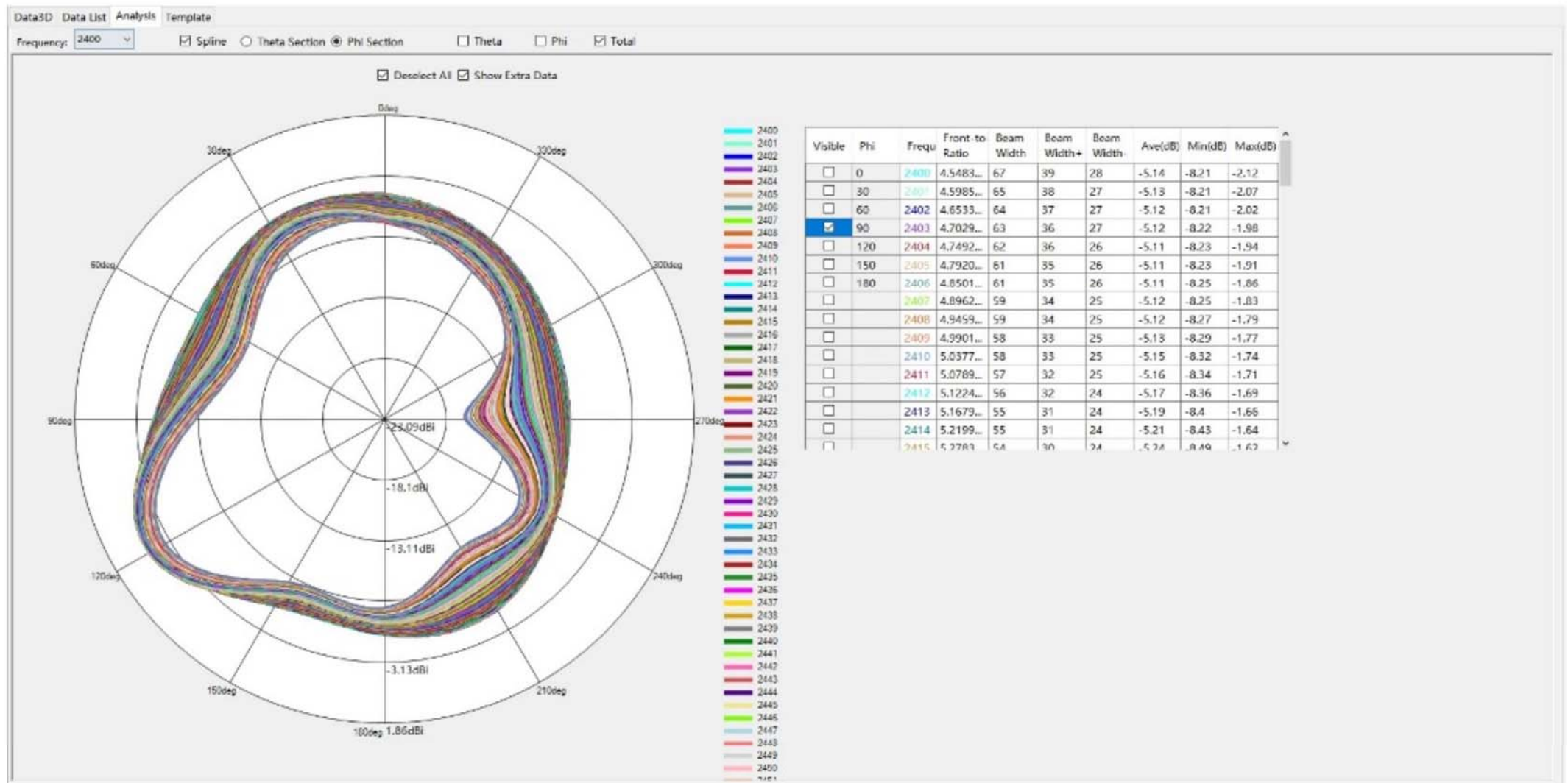
3D辐射图 (3D radiation chart)



2D辐射图 (2D radiation chart)



2D辐射图 (2D radiation chart)



TRP & TIS_OTA

1#	keeps_EVT1_头模			
	信道	0	39	78
	TRP	4.14	5.78	5.33
	TIS	-88.53	-88.56	-88.14

3#	keeps_EVT1_头模			
	信道	0	39	78
	TRP	4.98	5.41	3.73
	TIS	-87.96	-87.51	-86.79

4#	keeps_EVT1_头模			
	信道	0	39	78
	TRP	3.91	5.45	5.31
	TIS	-87.9	-88.17	-87.99

1#	keeps_EVT1_自由场			
	信道	0	39	78
	TRP	5.88	6.6	4.95
	TIS	-89.13	-88.99	-87.96

3#	keeps_EVT1_自由场			
	信道	0	39	78
	TRP	6.66	6.05	3.33
	TIS	-88.82	-88.05	-86.7

4#	keeps_EVT1_自由场			
	信道	0	39	78
	TRP	5	5.87	4.54
	TIS	-87.78	-88.08	-87.68