



Shenzhen HE DIAN XUN Technology Co., Ltd

WIFI antenna passive measurement

客户名: cpdevice

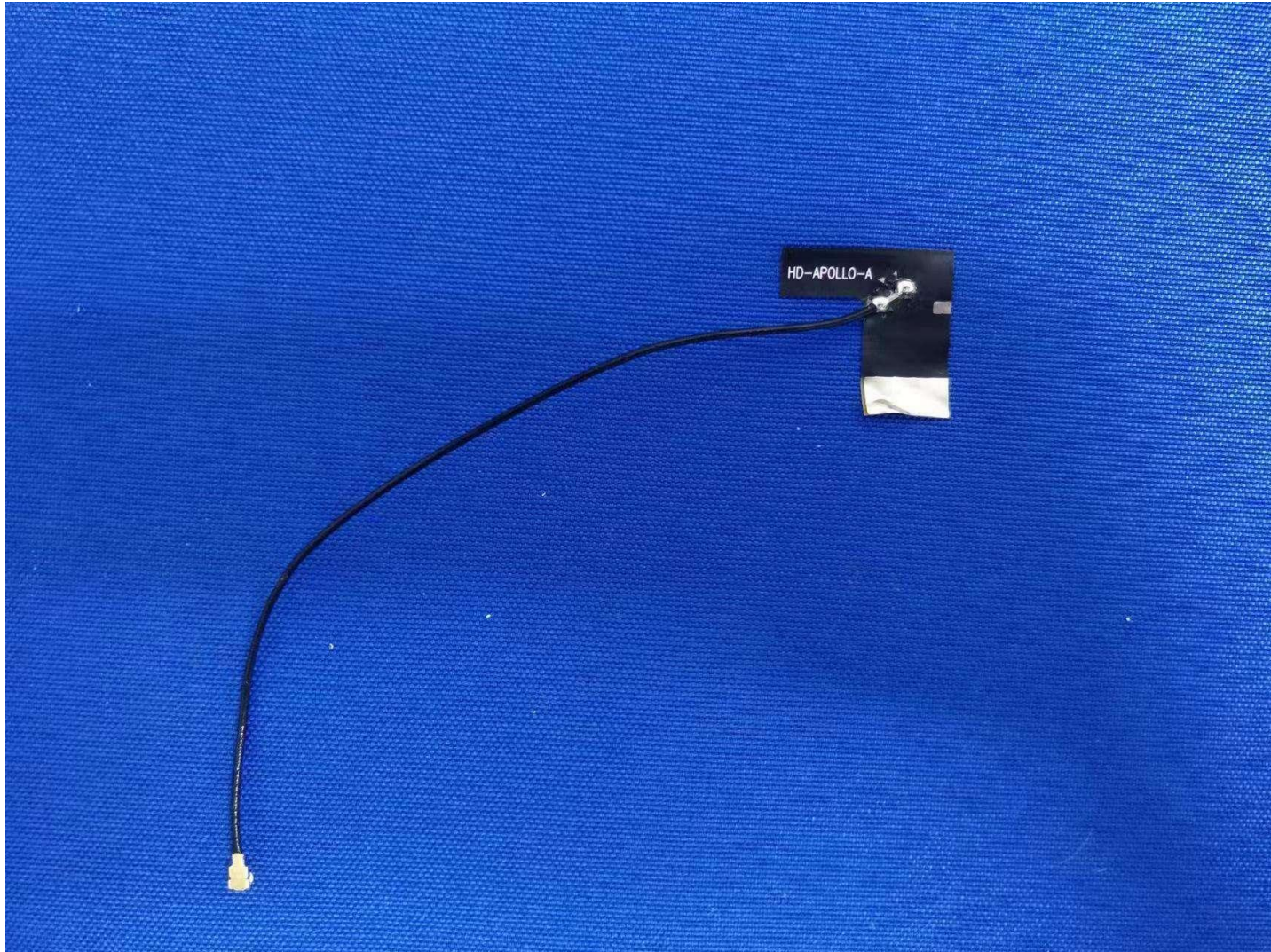
项目名: APOLLO 7 PRO

时 间: 2022.12.09

antenna passive measurement

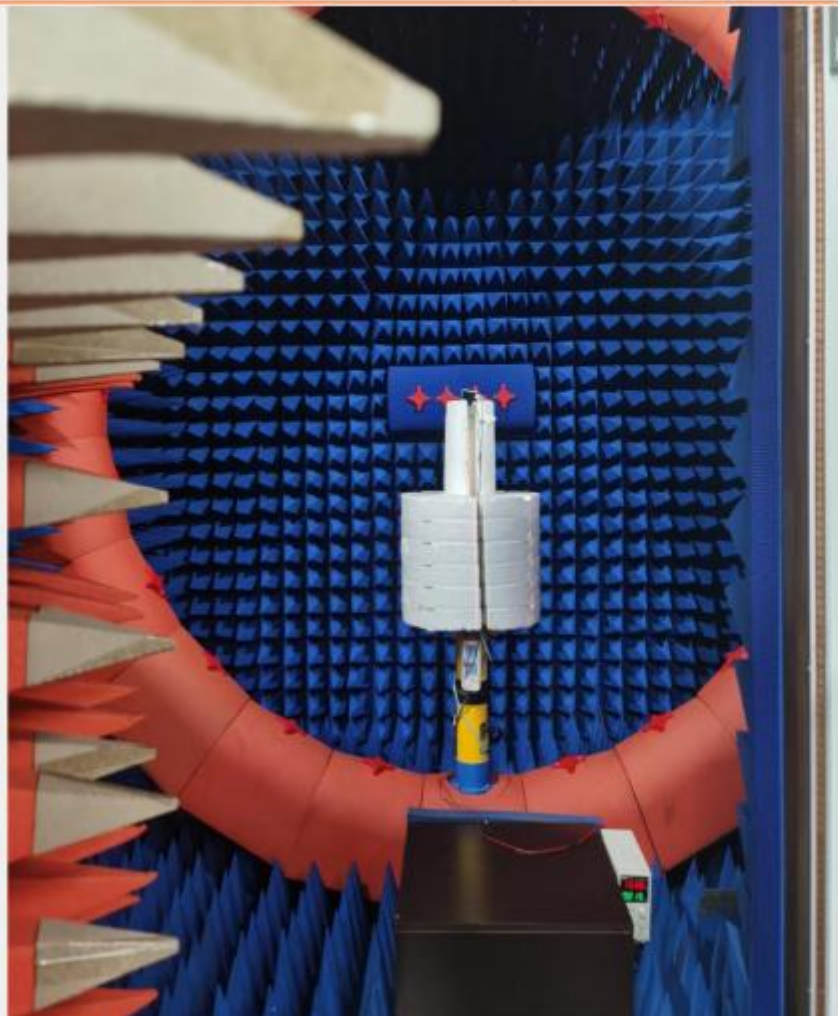
Customer name		cpdevice	item	APOLLO 7 PRO
NO	item		recount	
1	Frequency		2402MHz~2482MHz; 5180MHz~5825MHz	
2	Project type			
3	Antenna space area			
4	Feed point type			
5	sensitivity			
6	Antenna type		FPC	
7	PCBPlate length			
8	note			
RF			15986788165	15986788165@163.com

WIFI antenna physical picture



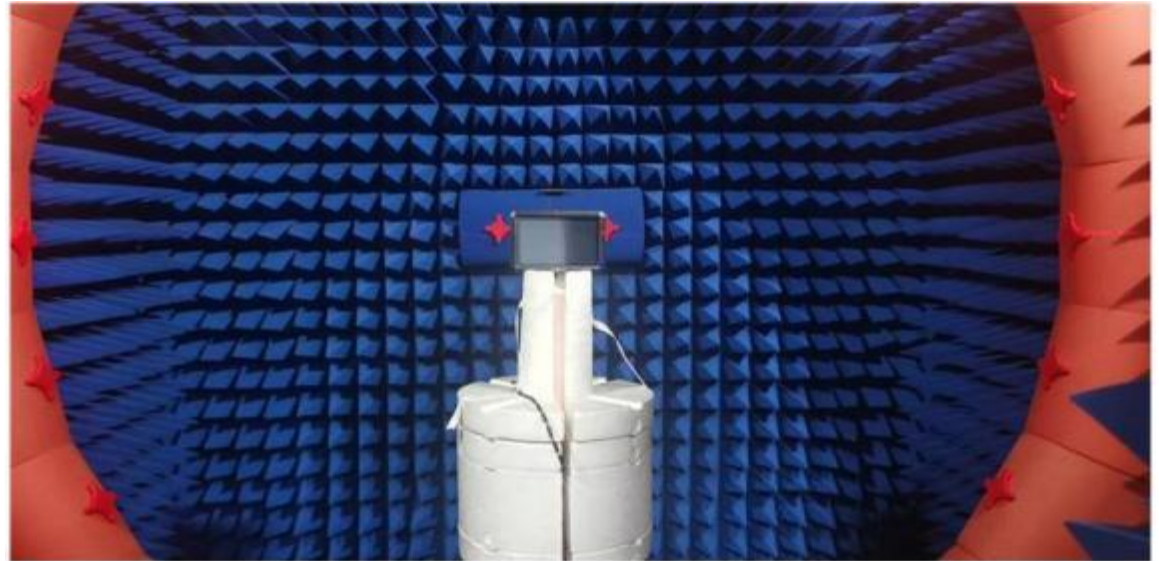
testing facility

24 probe microwave anechoic chamber
CMW500 Comprehensive measuring instrument



Equipment Under Test

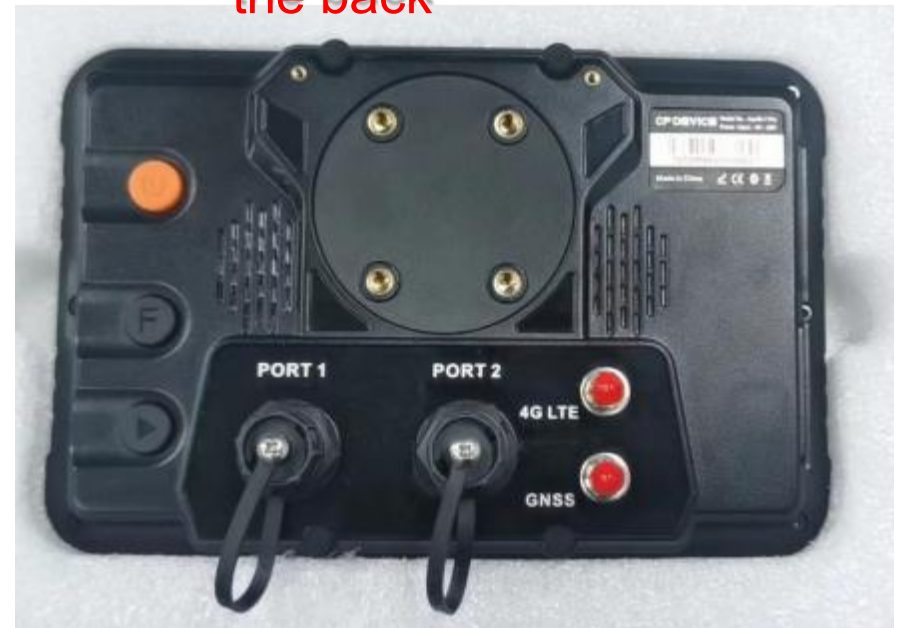
APOLLO 7 PRO



front



the back



Antenna passive test data

Frequency ID	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1	2400.0	-3.85	1.92	41.24
2	2410.0	-4.61	1.20	34.59
3	2420.0	-3.38	2.47	45.91
4	2430.0	-4.15	1.70	38.48
5	2440.0	-3.09	2.88	49.10
6	2450.0	-3.63	2.41	43.38
7	2460.0	-2.68	3.47	54.00
8	2470.0	-3.00	3.27	50.11
9	2480.0	-2.58	3.84	55.17
10	2490.0	-2.60	3.83	54.98
11	2500.0	-2.52	3.91	55.93

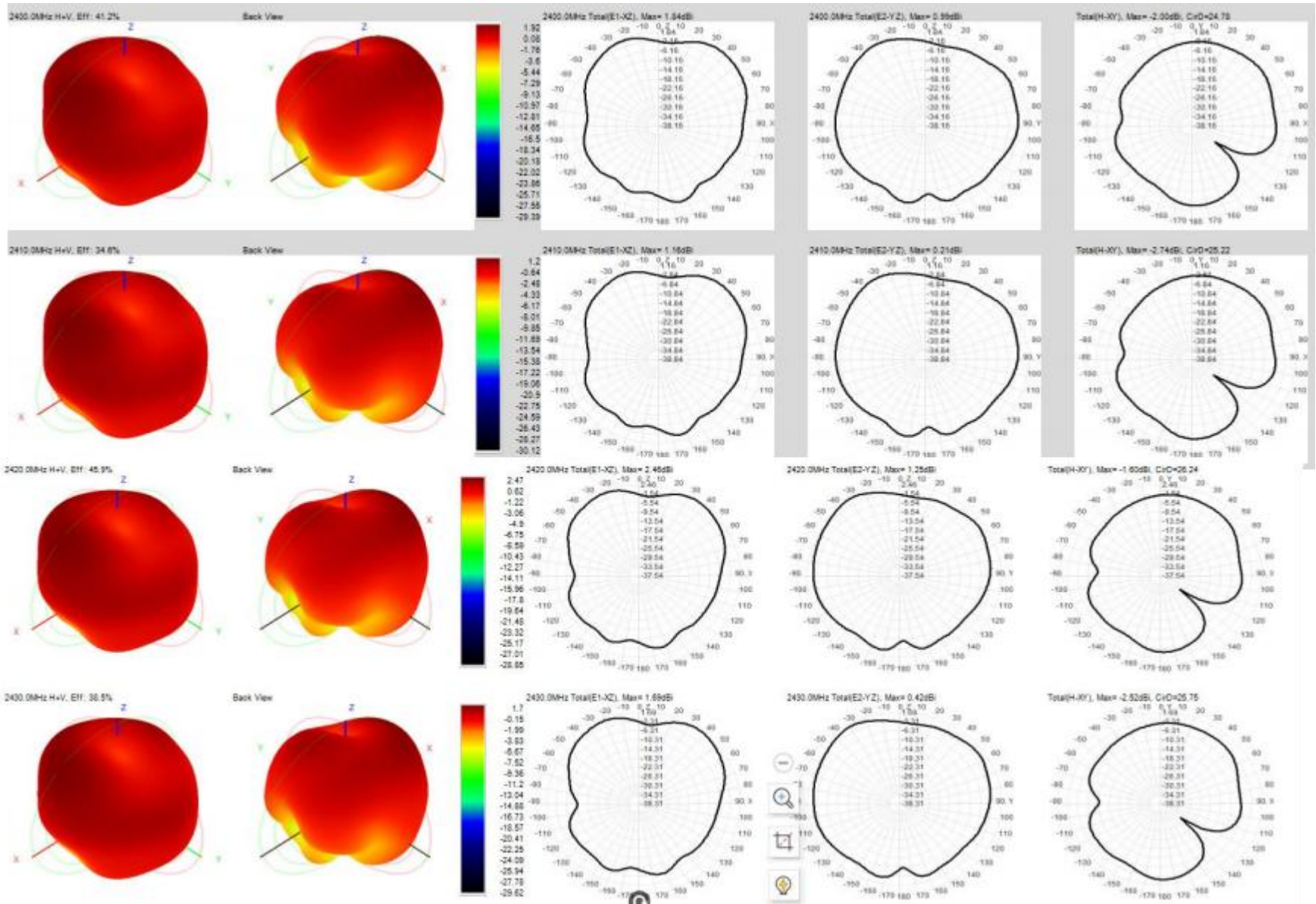
Antenna passive test data

Frequency ID	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1	5150.0	- 1.68	3.36	67.93
2	5200.0	- 1	3.98	79.37
3	5250.0	- 1.42	3.38	72.13
4	5300.0	- 1.23	3.50	75.27
5	5350.0	-0.96	3.48	80.08
6	5400.0	- 1.31	2.70	73.91
7	5450.0	- 1	2.12	79.40
8	5500.0	- 1.34	2.45	73.48
9	5550.0	- 1.25	2.19	75.03
10	5600.0	- 1.3	2.35	74.17
11	5650.0	- 1.45	2.23	71.69

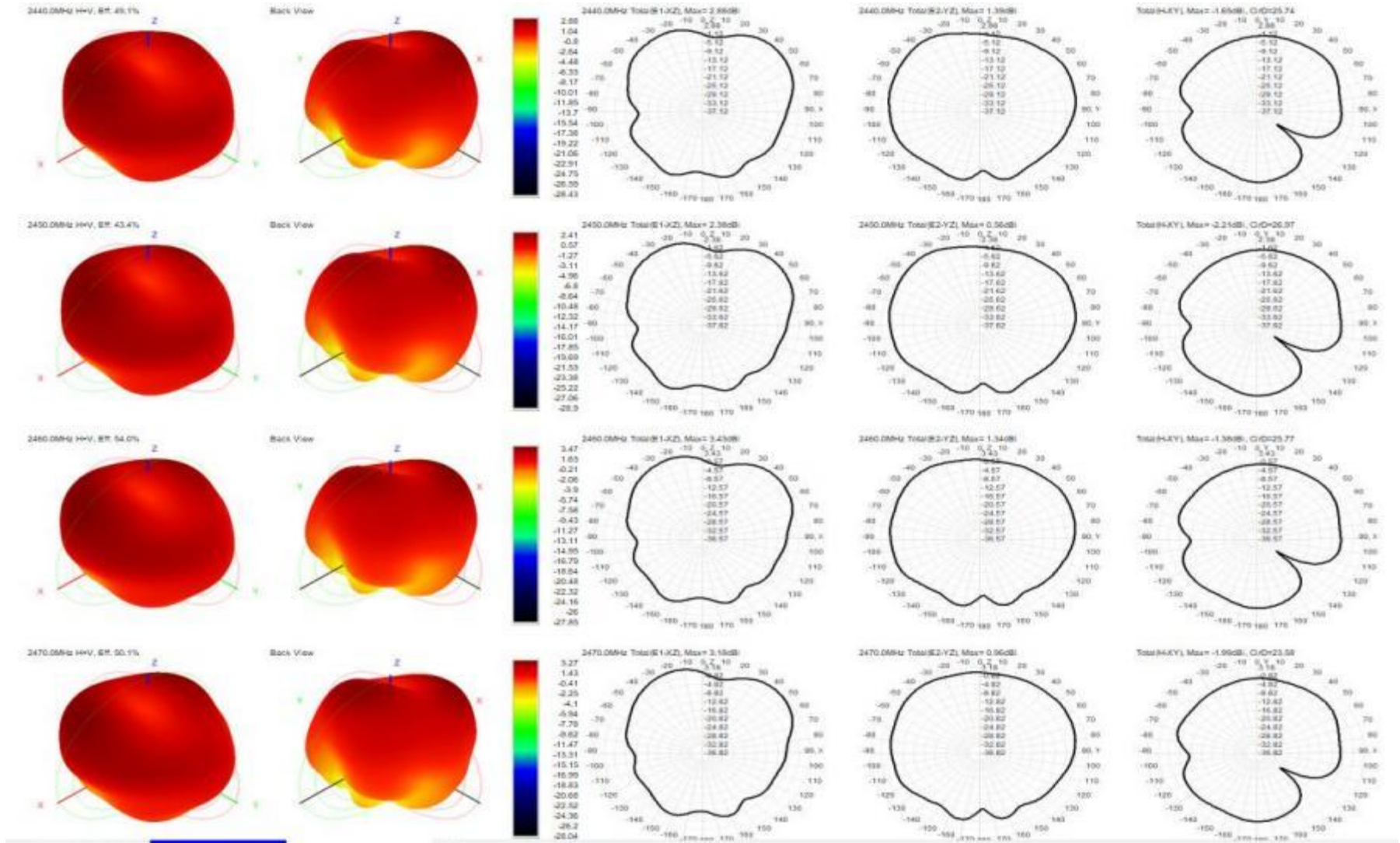
Antenna passive test data

Frequency ID	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
12	5700.0	- 1.21	2.33	75.75
13	5750.0	- 1.32	3.39	73.76
14	5800.0	- 1 . 58	3 . 80	69.55
15	5850.0	- 1.52	3.51	70.39

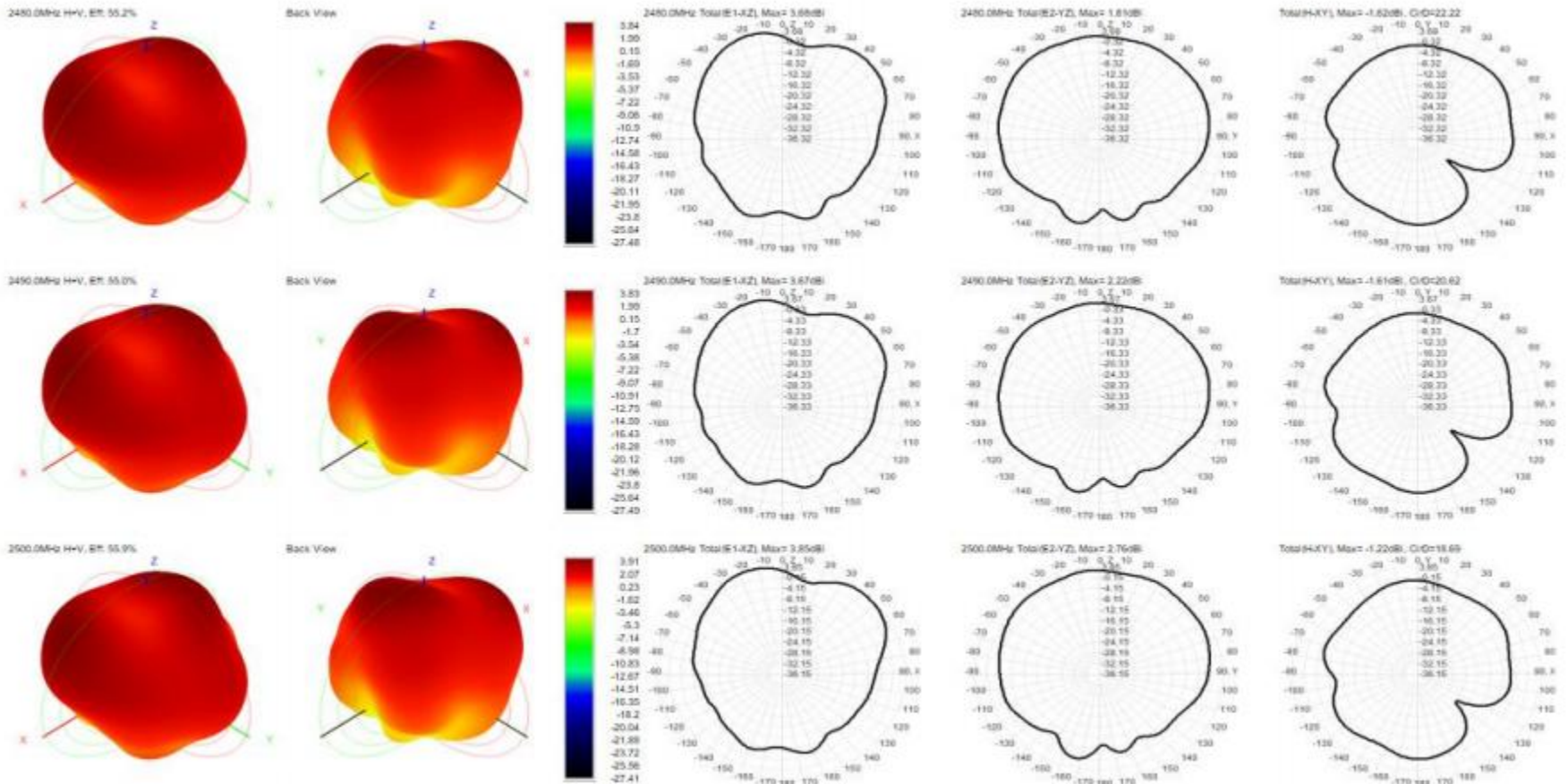
directional diagram



directional diagram



directional diagram



directional diagram

