



Shenzhen HE DIAN XUN Technology Co.,Ltd

WIFI antenna passive measurement

Name: cpdevice

Project name: SPRING2 10PRO

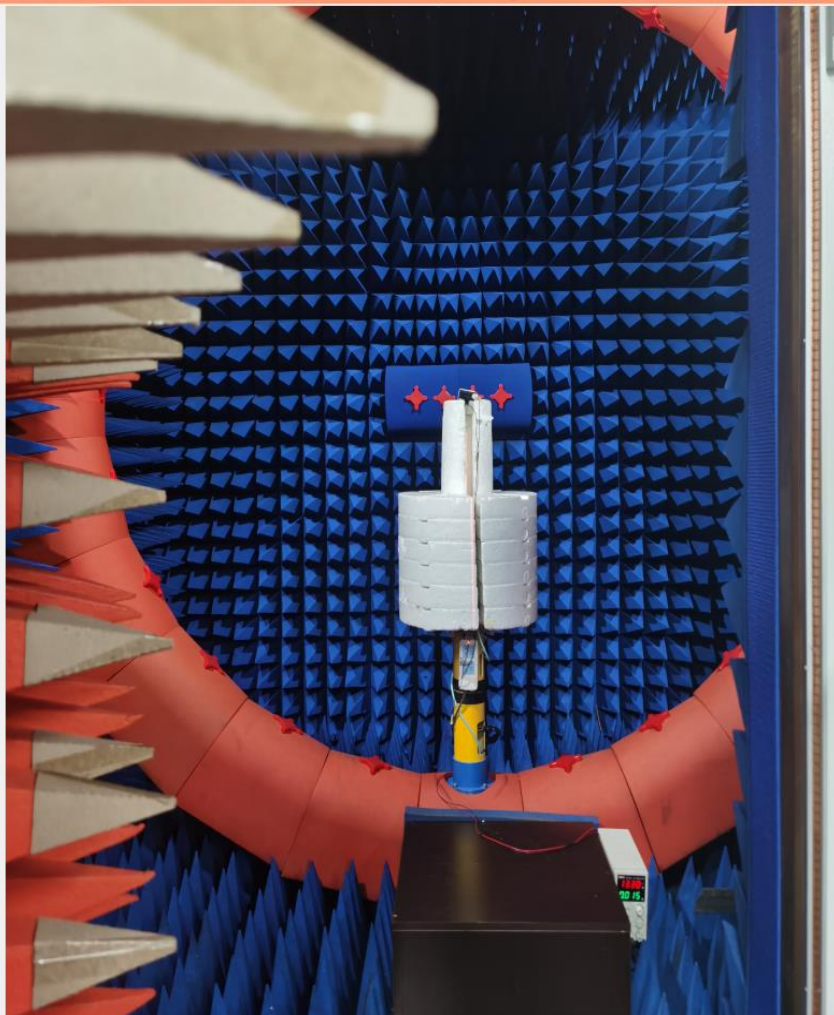
Date: 2023.8.09

antenna passive measurement

Customer name		cpdevice	item	SPRING2 10PRO
NO	item		recount	
1	Frequency		2400-2500MHZ	
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

testing facility

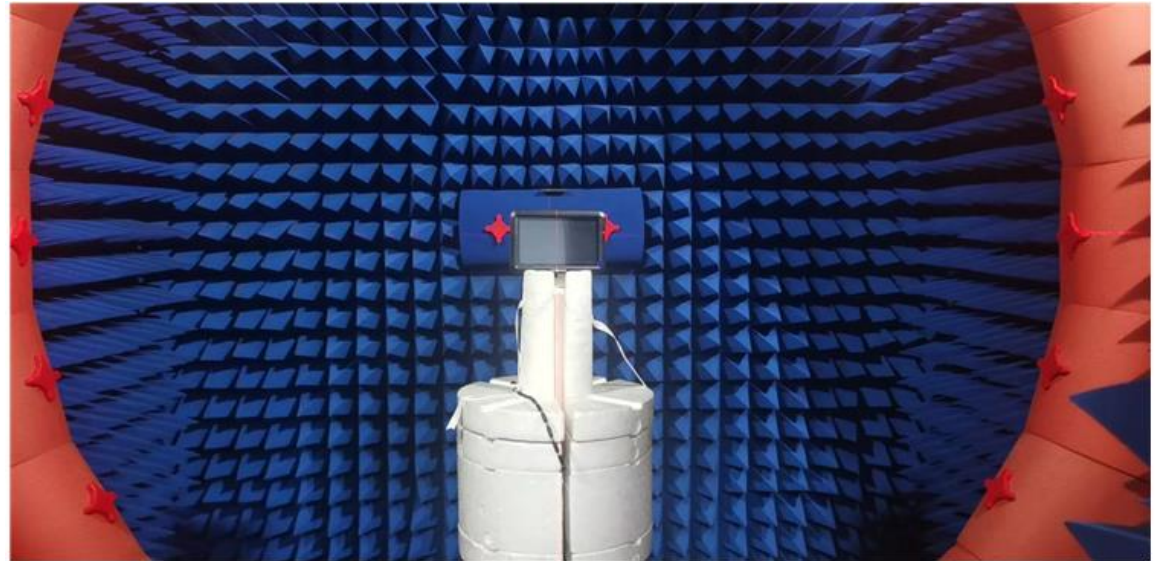
24 probe microwave anechoic chamber
CMW500 Comprehensive measuring instrument



Equipment Under Test

SPRING2 10PRO

front



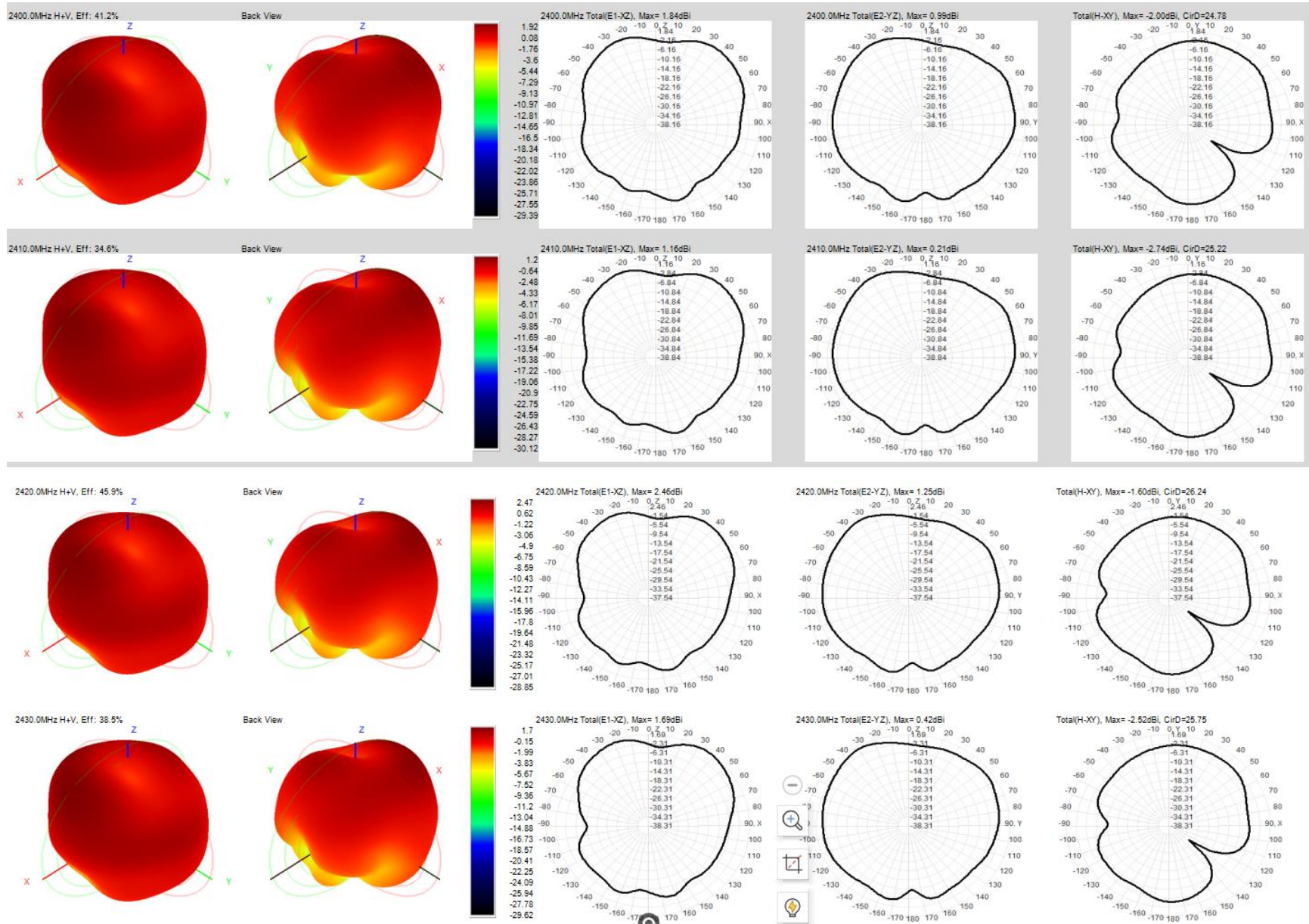
the back



Antenna passive test data

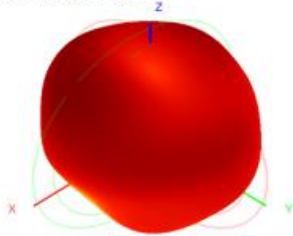
Frequency ID	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1	2400.0	-3.85	1.92	41.24
2	2410.0	-4.61	1.20	34.59
3	2420.0	-3.38	2.47	45.91
4	2430.0	-4.15	1.70	38.48
5	2440.0	-3.09	2.88	49.10
6	2450.0	-3.63	2.41	43.38
7	2460.0	-2.68	3.47	54.00
8	2470.0	-3.00	3.27	50.11
9	2480.0	-2.58	3.84	55.17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

directional diagram

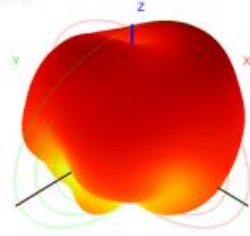


directional diagram

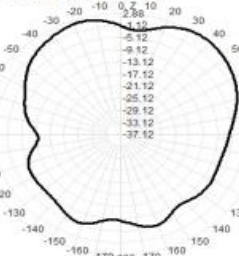
2440.0MHz H+V, Eff: 49.1%



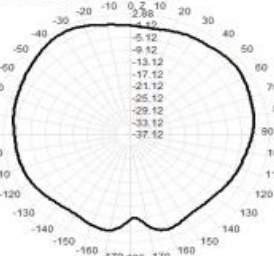
Back View



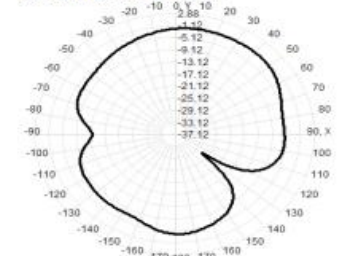
2440.0MHz Total (E1-XZ), Max= 2.88dBi



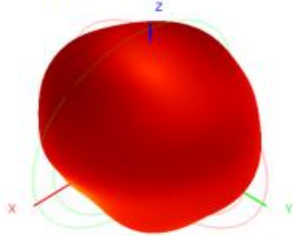
2440.0MHz Total (E2-YZ), Max= 1.39dBi



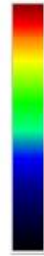
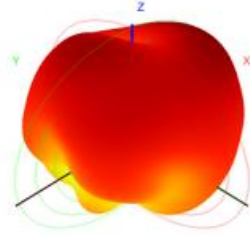
Total (H+XY), Max= -1.65dBi, Cr/O=25.74



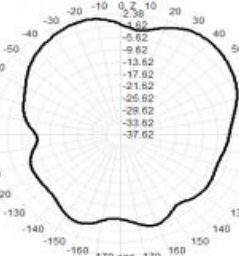
2450.0MHz H+V, Eff: 43.4%



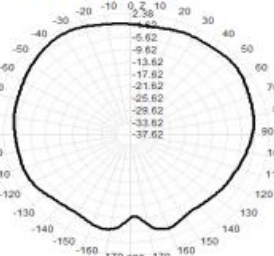
Back View



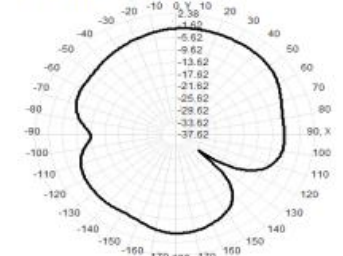
2450.0MHz Total (E1-XZ), Max= 2.38dBi



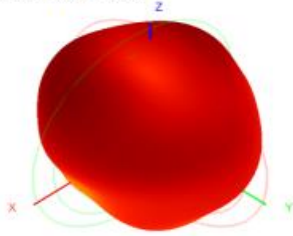
2450.0MHz Total (E2-YZ), Max= 0.56dBi



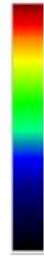
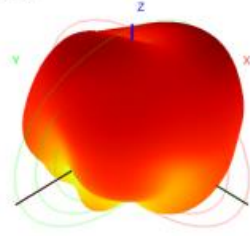
Total (H+XY), Max= -2.21dBi, Cr/O=26.97



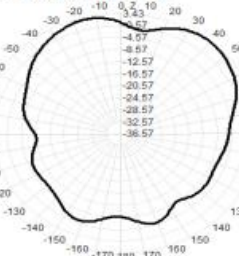
2460.0MHz H+V, Eff: 54.0%



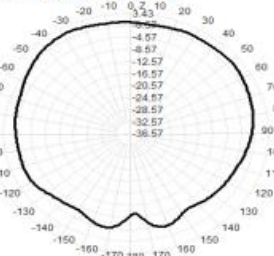
Back View



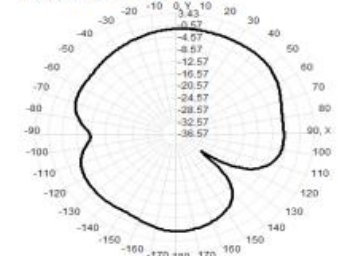
2460.0MHz Total (E1-XZ), Max= 3.43dBi



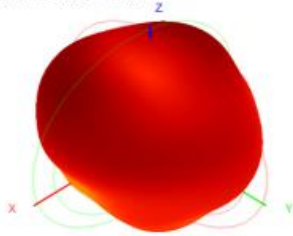
2460.0MHz Total (E2-YZ), Max= 1.34dBi



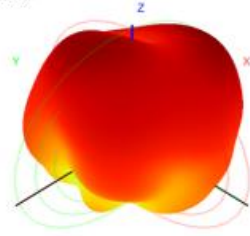
Total (H+XY), Max= -1.38dBi, Cr/O=25.77



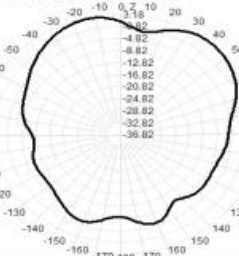
2470.0MHz H+V, Eff: 50.1%



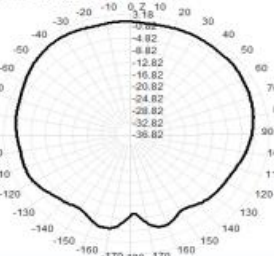
Back View



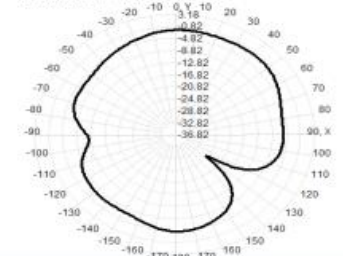
2470.0MHz Total (E1-XZ), Max= 3.18dBi



2470.0MHz Total (E2-YZ), Max= 0.96dBi



Total (H+XY), Max= -1.99dBi, Cr/O=23.58



directional diagram

