

Equipment List

Table 1 Equipment List

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
☒	Network Analyzer	Keysight	E5071C	MY46527808	2024/1/9	2025/1/8
☐	Network Analyzer	Keysight	E5071C	MY46108051	2023/4/20	2024/4/19
☒	Anechoic Chamber	Sunyield	SY-16	SI1727	2023/5/10	2024/5/9
☐	Anechoic Chamber	General Test System	RayZone2800	CT10121244 B5079	2023/5/20	2024/5/19

Test Method

Table 2 Test Method

Name	Antenna Performance			
Parameter	Radiation Efficiency			
Test Method	IEEE Standard Test Procedures for Antennas			
Standard No.	ANSI/IEEE Std 149-2021			
Test Software	PMS-V2.8.5	☒	MaxSign-V1.4.3	☐

Test Result

Efficiency and Gain

Table 3 Antenna Efficiency and Gain

Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	1.07	-1.95	63.80
2410	1.48	-1.58	69.54
2420	1.66	-1.42	72.12
2430	1.84	-1.57	69.70
2440	1.92	-1.45	71.55
2450	2.00	-1.52	70.54
2460	1.84	-1.69	67.78
2470	1.46	-1.99	63.31
2480	1.39	-2.09	61.76
2490	1.45	-2.04	62.56
2500	1.56	-1.96	63.75

Table 5 3D radiation pattern

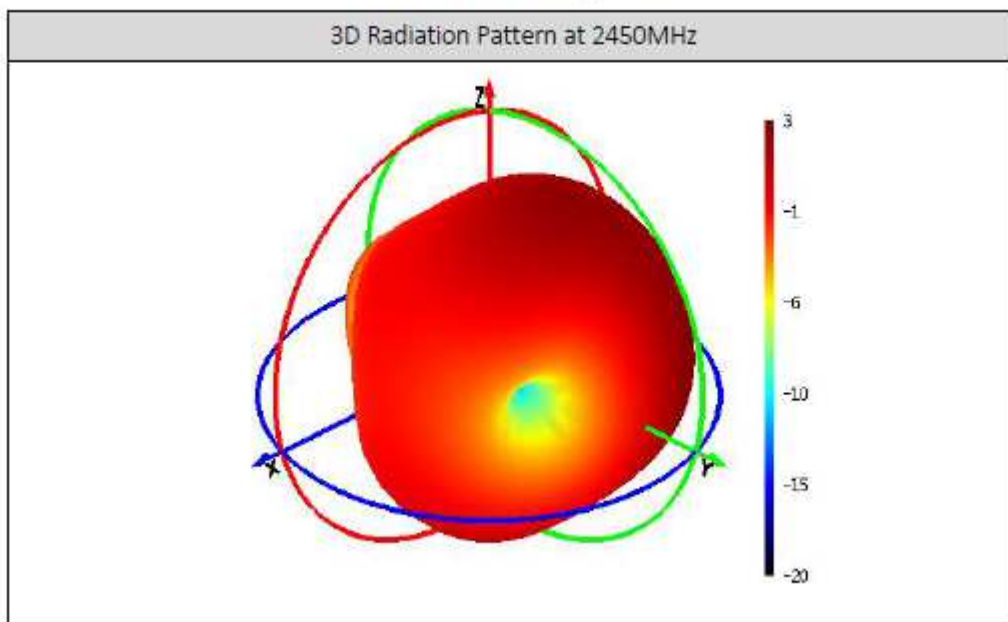


Table 6 Radiation pattern in XY Plane

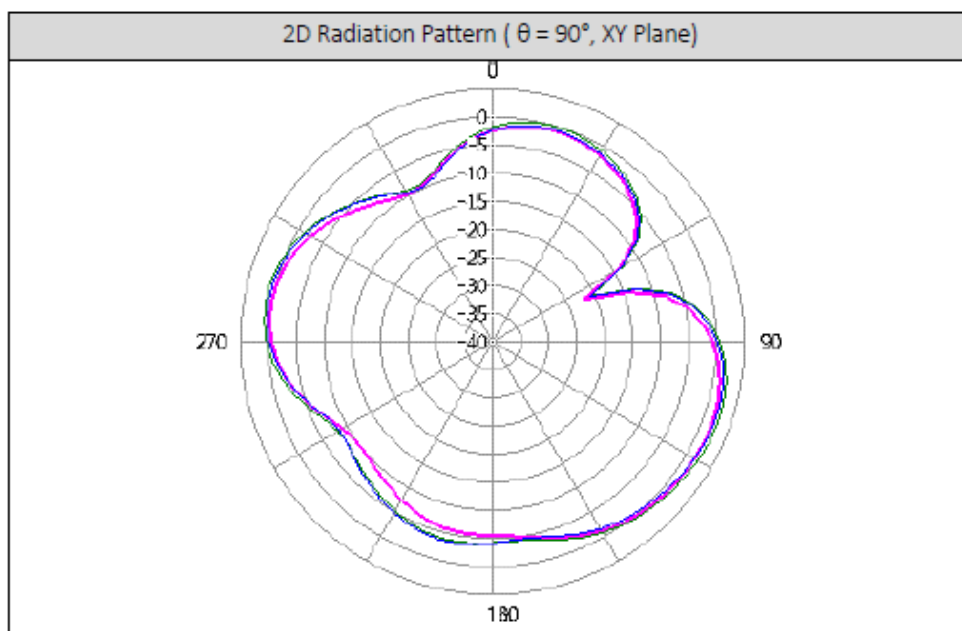


Table 7 Radiation pattern in XZ Plane

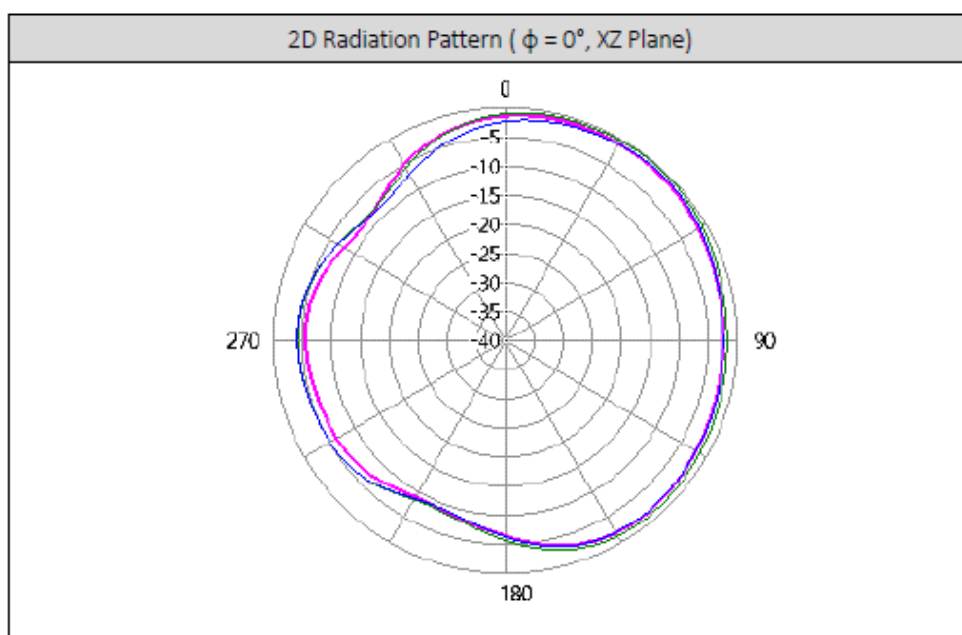


Table 8 Radiation pattern in YZ Plane

