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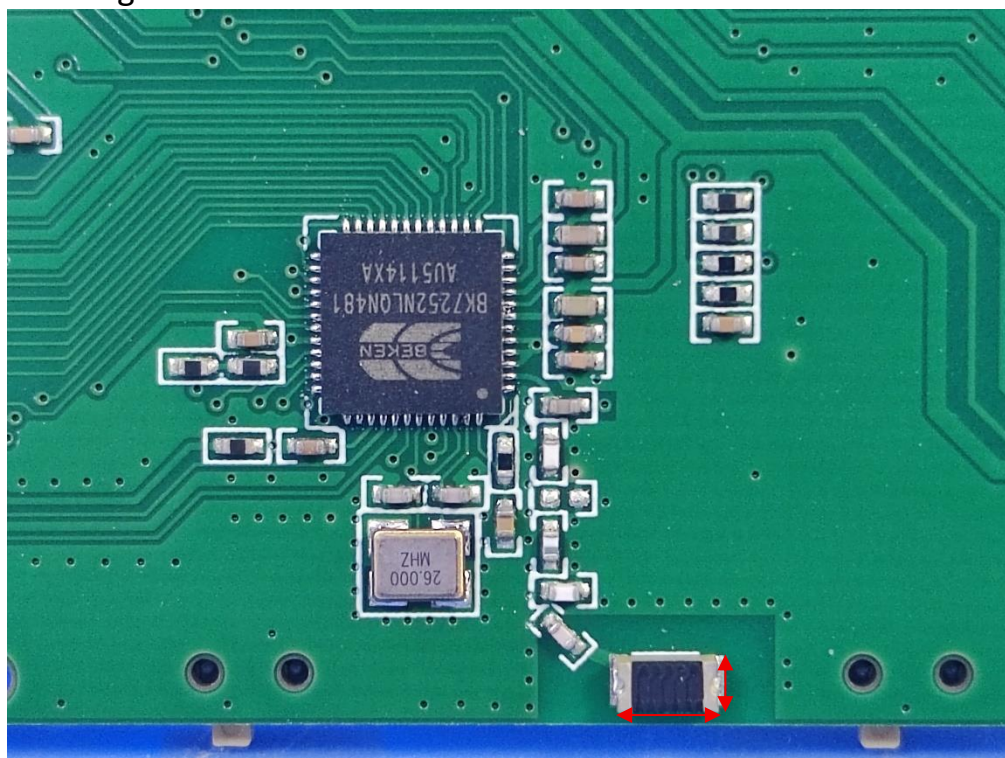
Antenna Specification

Project Name:	J9
Antenna material :	Ceramic Antenna
Frequency Band :	2400-2500MHz
Date :	2025-03-26

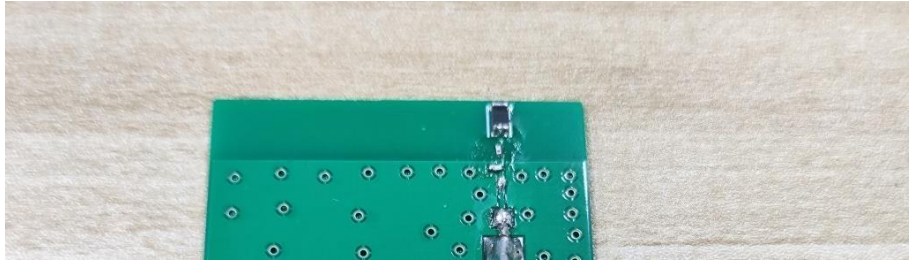
Graphic reference

Width=2mm

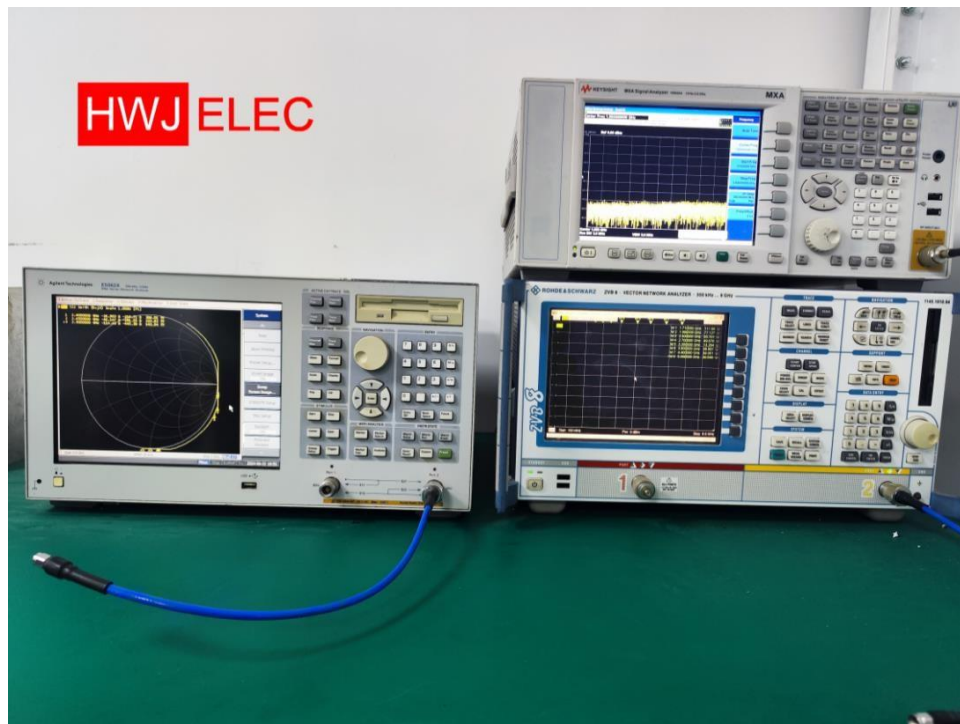
Length=3.8mm



Surrounding environment of antenna

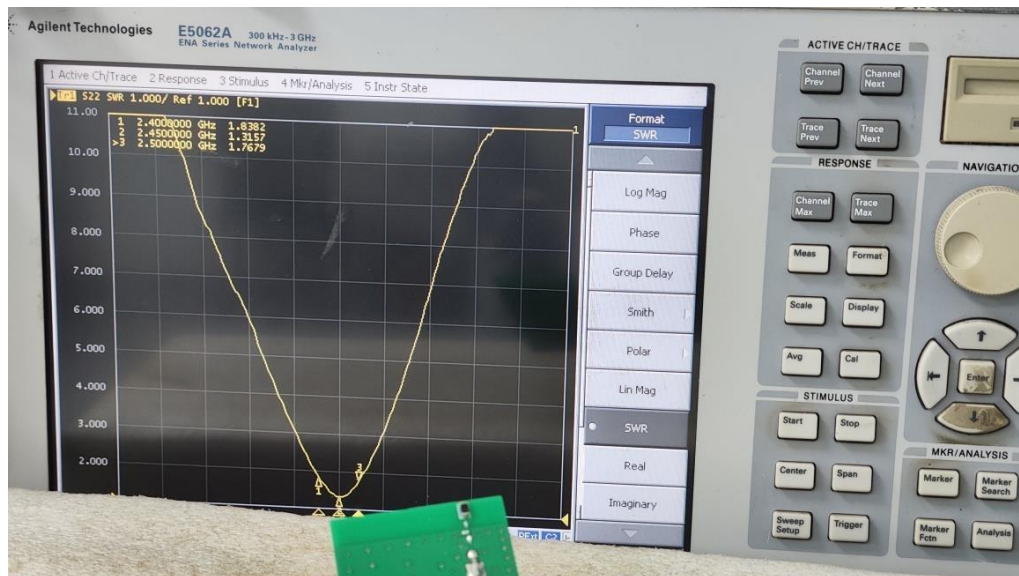


Parameter testing

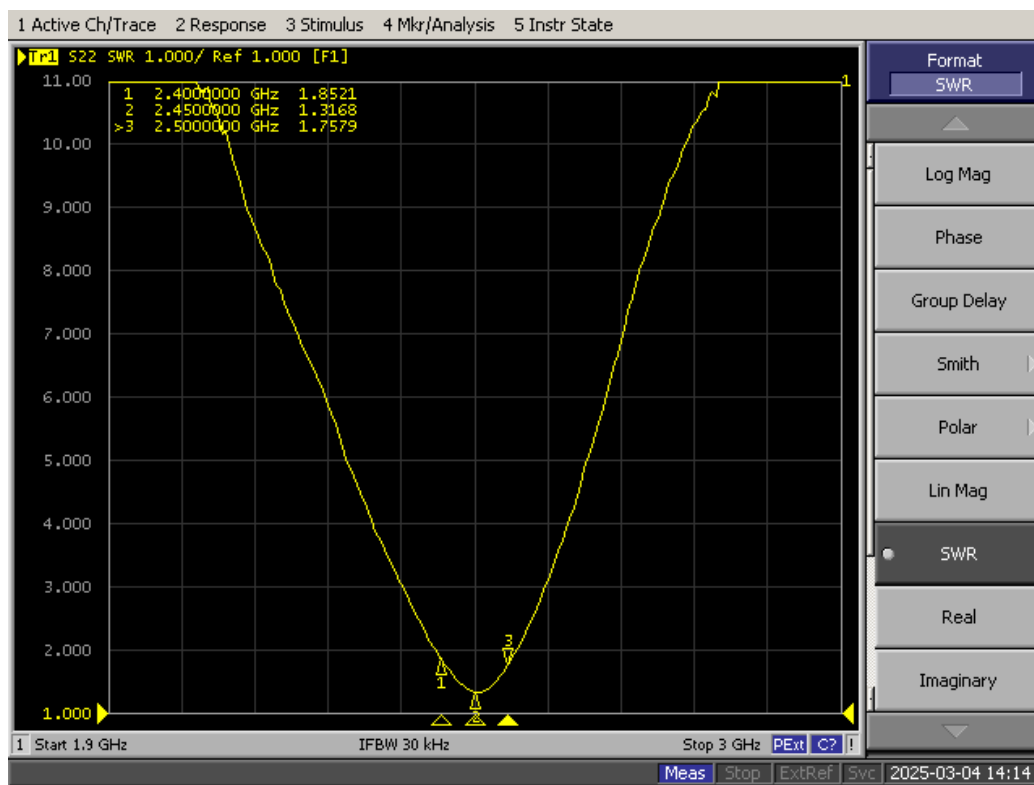


Equipment model : E5062A , ZVB8 , N9020A

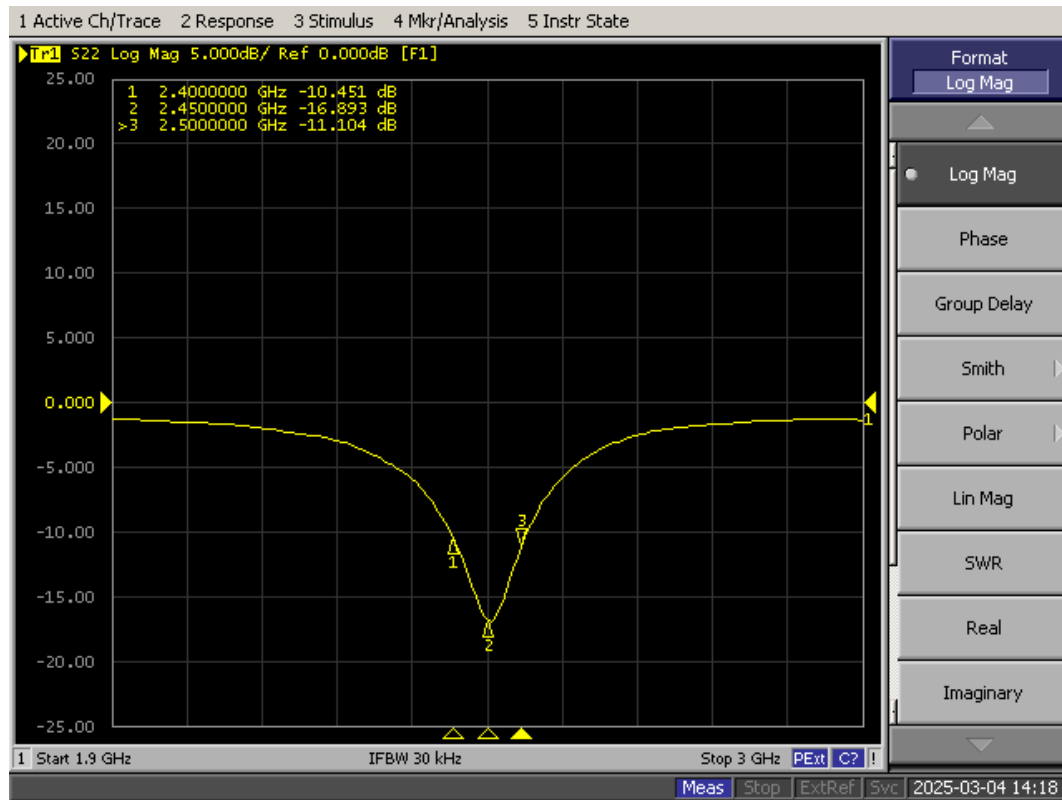
Whole machine testing environment



Antenna VSWR on Test Board

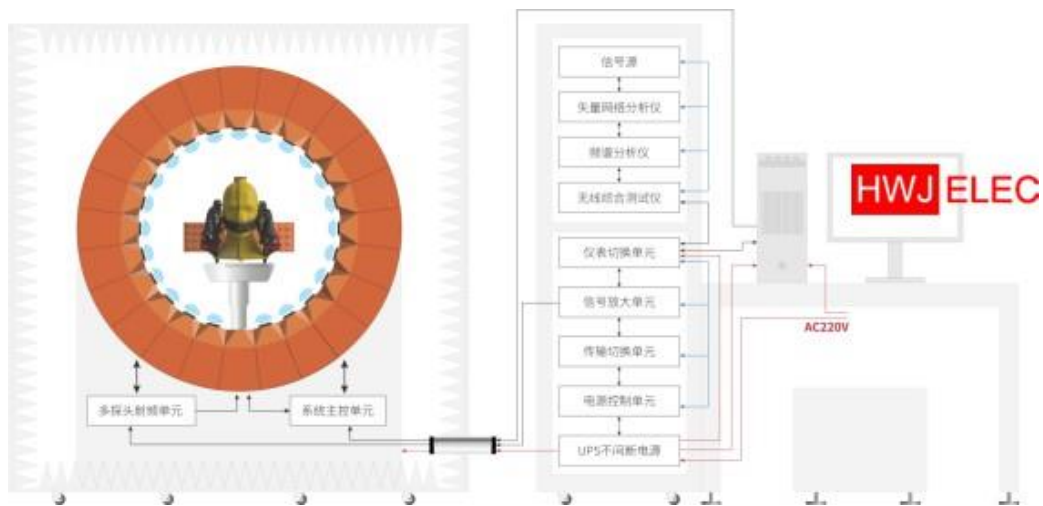


Antenna S11 on Test Board



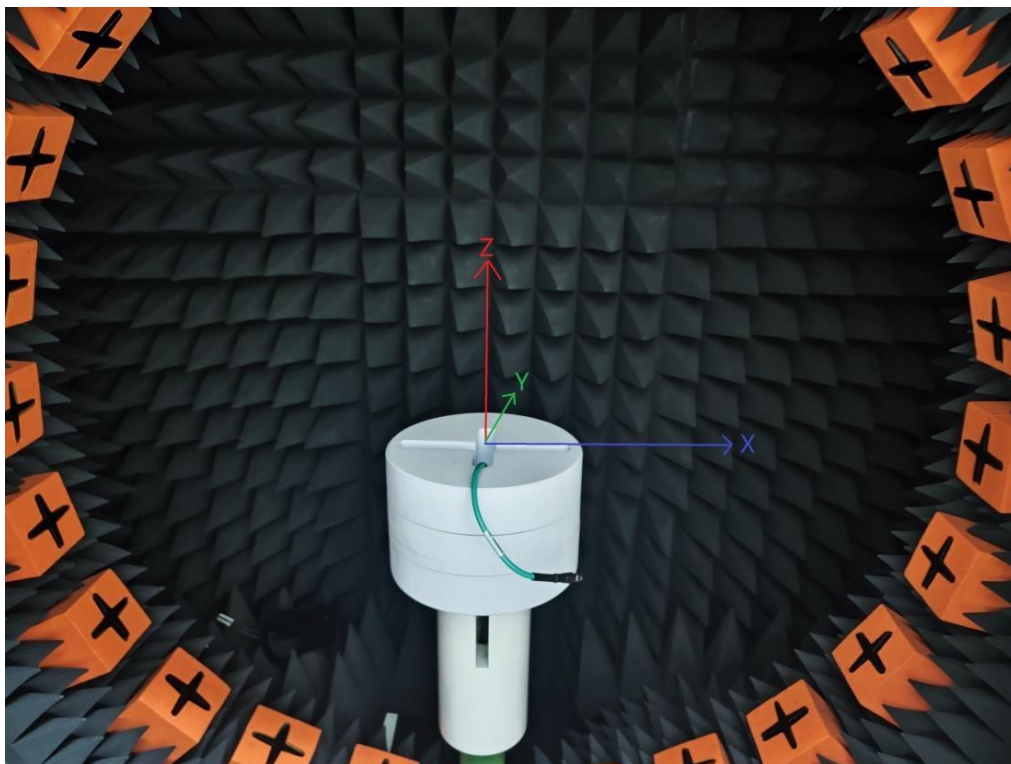
3D Microwave darkroom





Equipment model: ATS-200、E5071C、CMW500

Schematic diagram of microwave darkroom direction



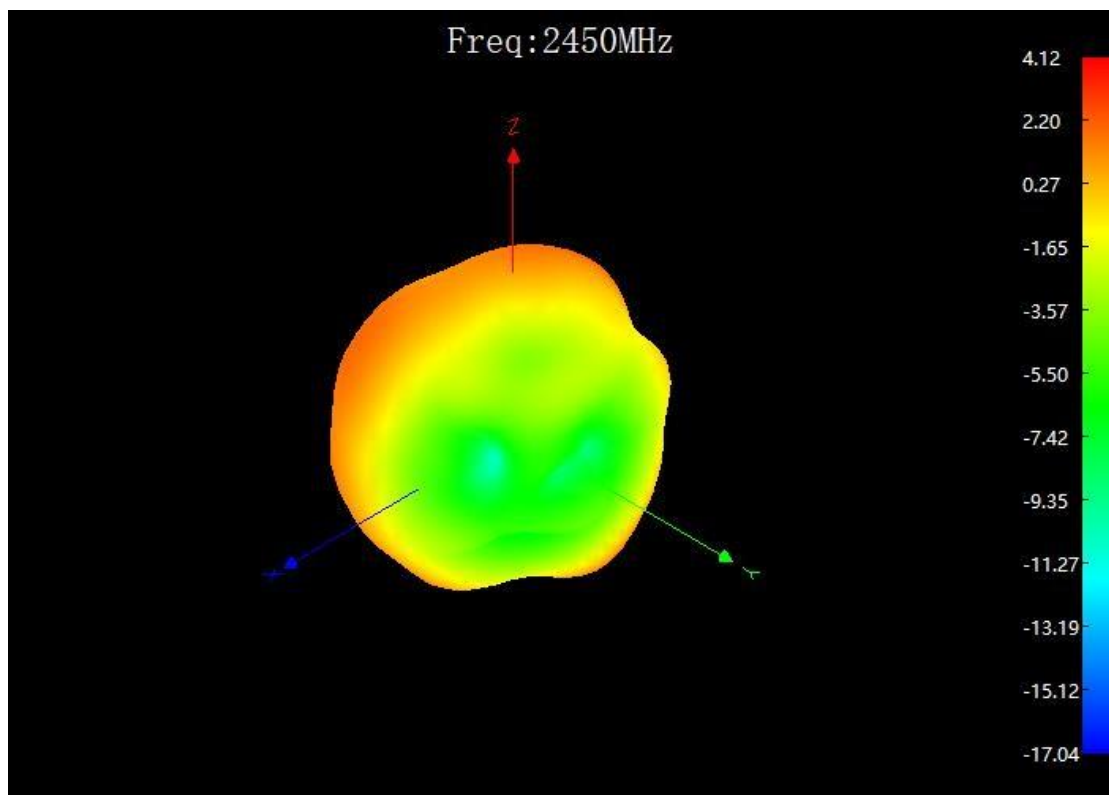
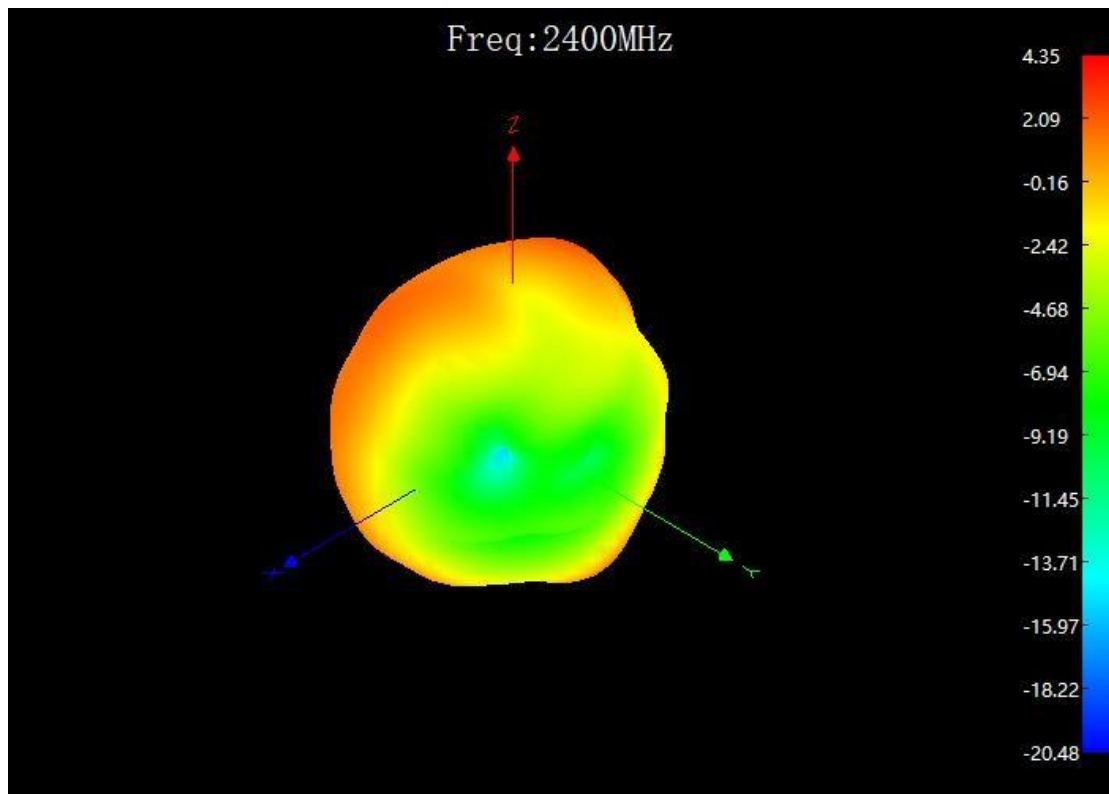
Microwave darkroom testing environment diagram

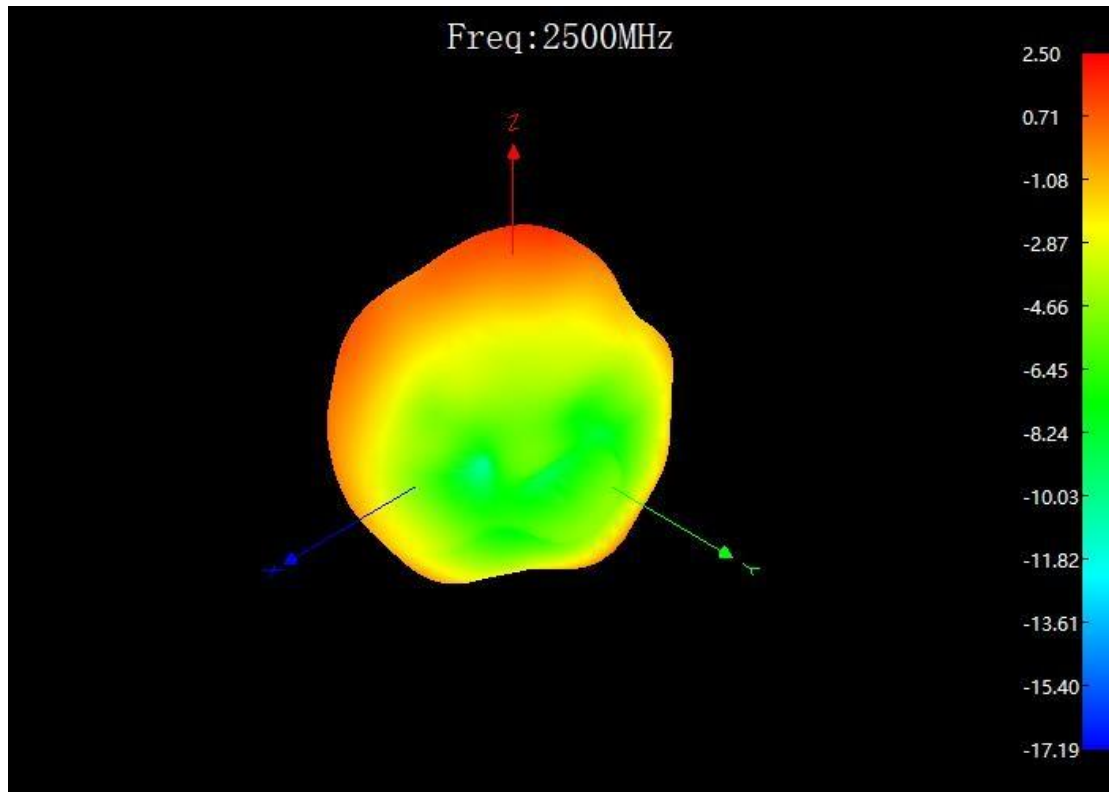


Gain and Efficiency

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	4.35	71.78
2410	4.37	70.96
2420	4.17	68.71
2430	4.04	65.61
2440	4.3	69.34
2450	4.12	71.78
2460	3.6	67.3
2470	3.72	67.76
2480	3.91	66.68
2490	3.47	65.16
2500	2.5	57.54

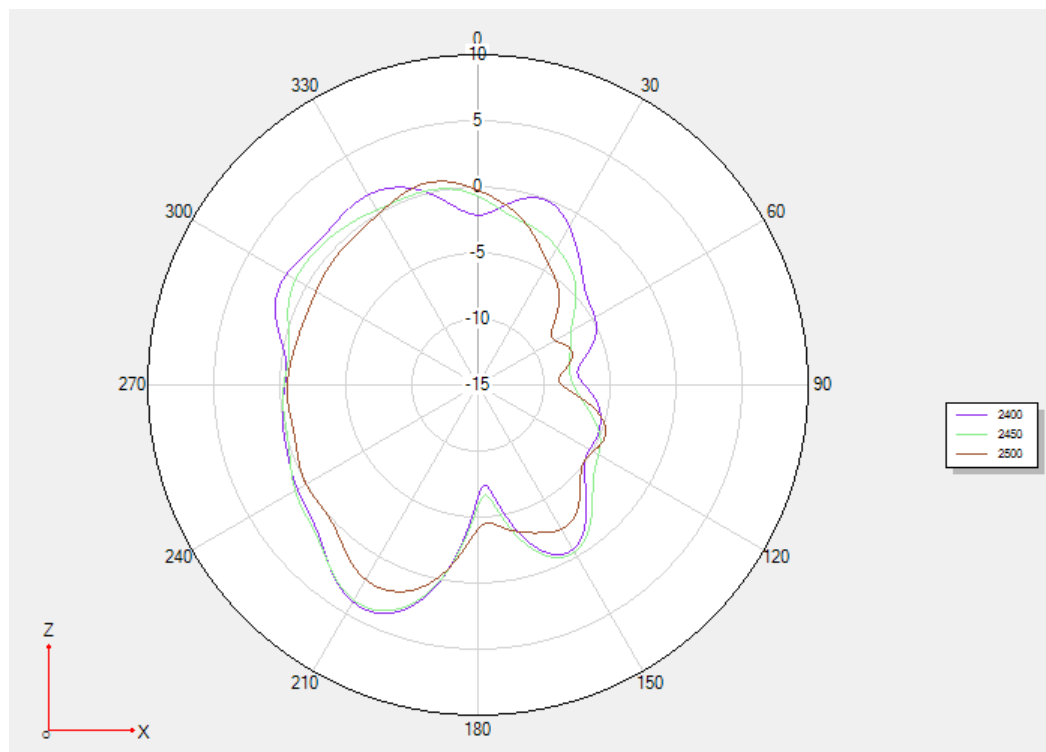
3D Directional diagram



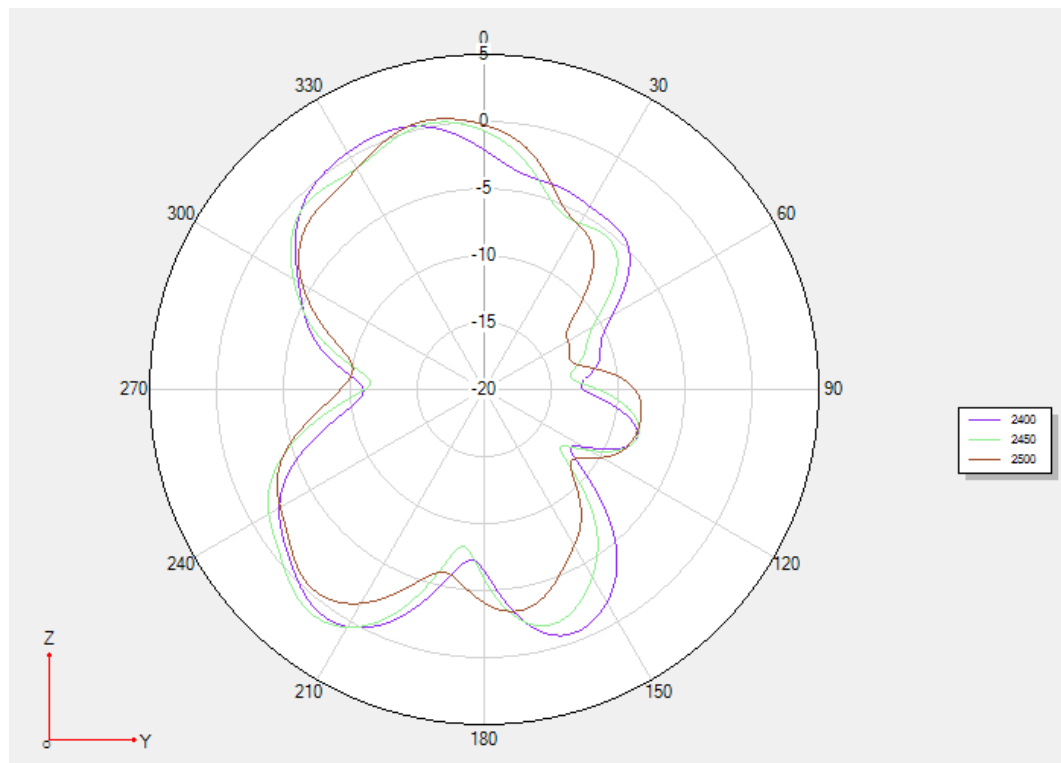


2D Directional diagram

Phi 0



Phi 90



Theta 90

