

Antenna Test Reports

Customer

TIANYIN

Part No.

PV002

Authorized By

Hanny

Date

2023/04/28

OUTLINE

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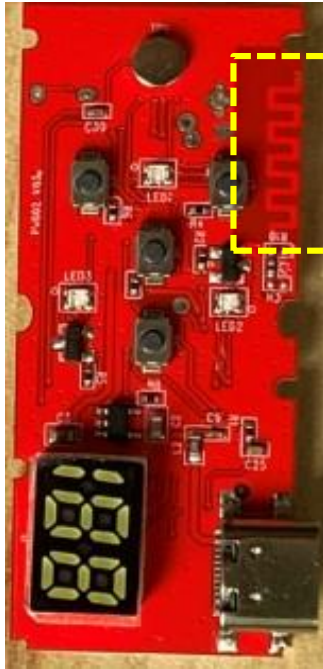
1.1 Antenna Type

The Antenna Type : PV002

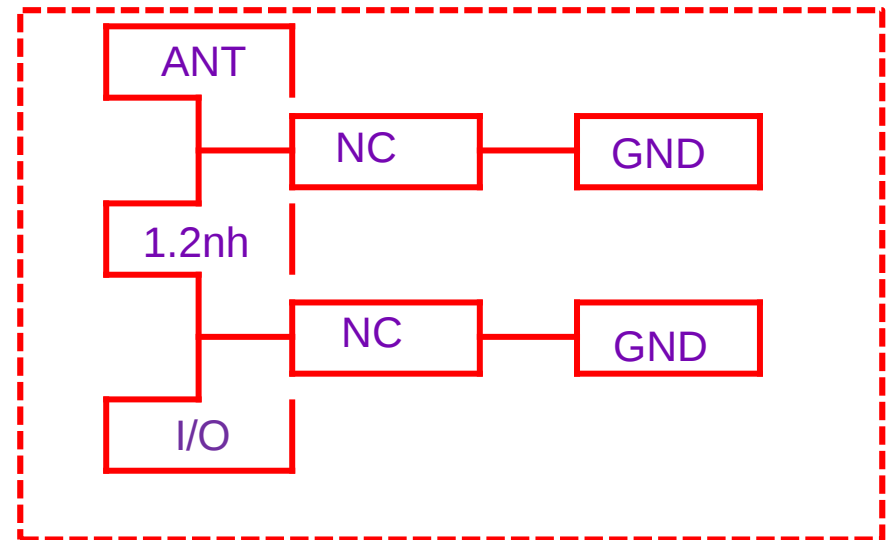
Antenna picture:



1.2 Antenna Solution Detail

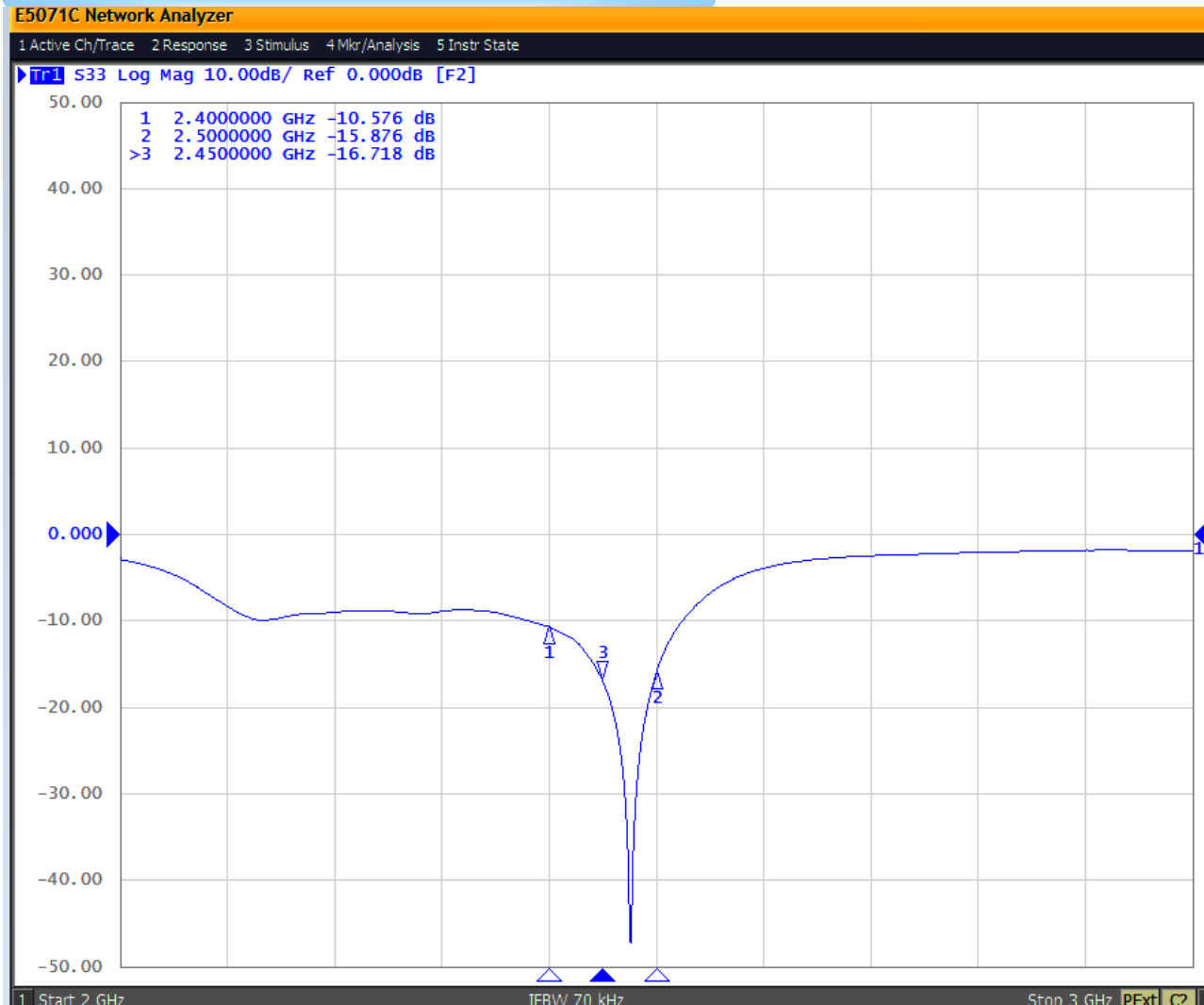


Matching value



2. Antenna Characteristics

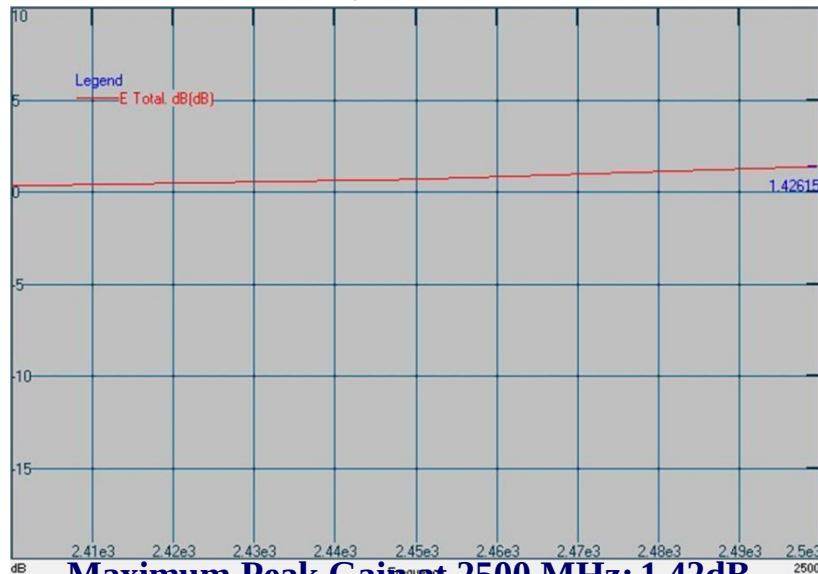
2.1 Return Loss



2.2 Antenna Efficiency and Peak Gain

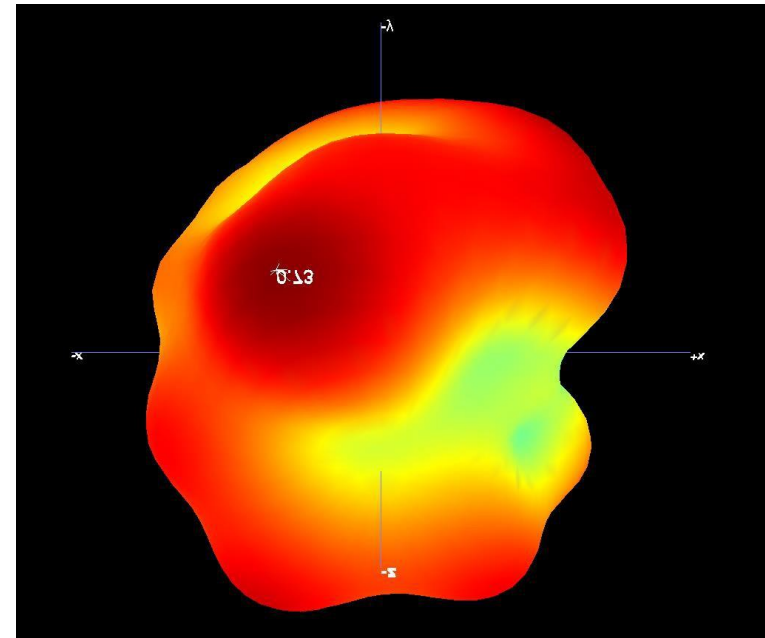


Maximum Efficiency at 2500 MHz : 49.87%

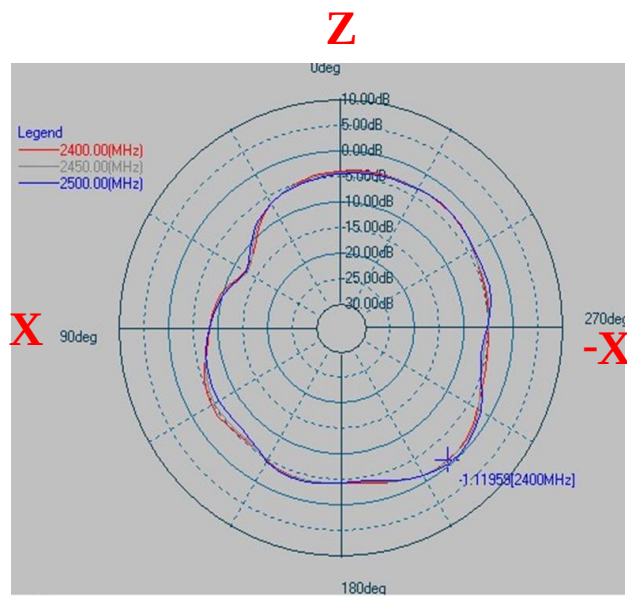


Maximum Peak Gain at 2500 MHz: 1.42dB

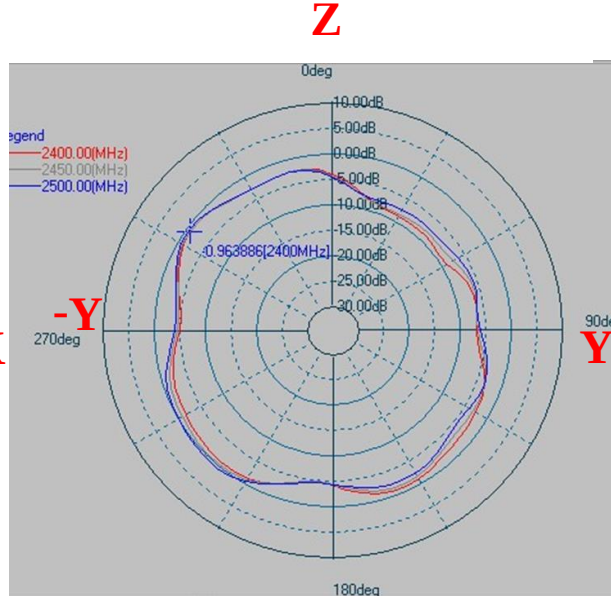
2450MHz



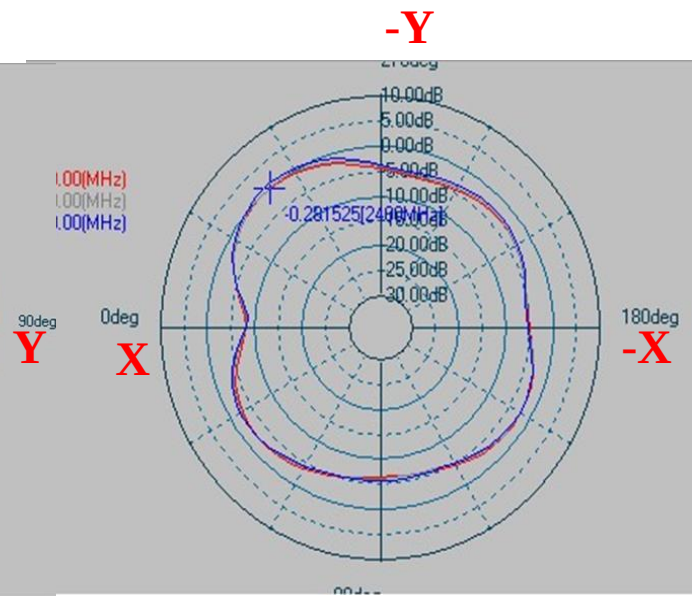
2.3 2D Radiation Patterns



ZX plane



ZY plane



XY plane

	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	-1.12 dB	-4.83 dB	-0.96 dB	-3.68 dB	-0.28dB	-3.89dB
2450	-0.91 dB	-4.92 dB	-0.32 dB	-3.57 dB	-0.11 dB	-3.80 dB
2500	-0.51 dB	-4.94 dB	0.47 dB	-3.35 dB	0.47dB	-3.55 dB

3. Summary

1. The ANT maximum efficiency is 49.87%
2. The ANT maximum gain is 0.47dB

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