

Antenna Test Report

Customer Name: Granchip IoT

Technology (Guangzhou) Co., Ltd

Project model: GQ-BT2G

Valuation Date: 2024-08-02

Version record

[illegible]

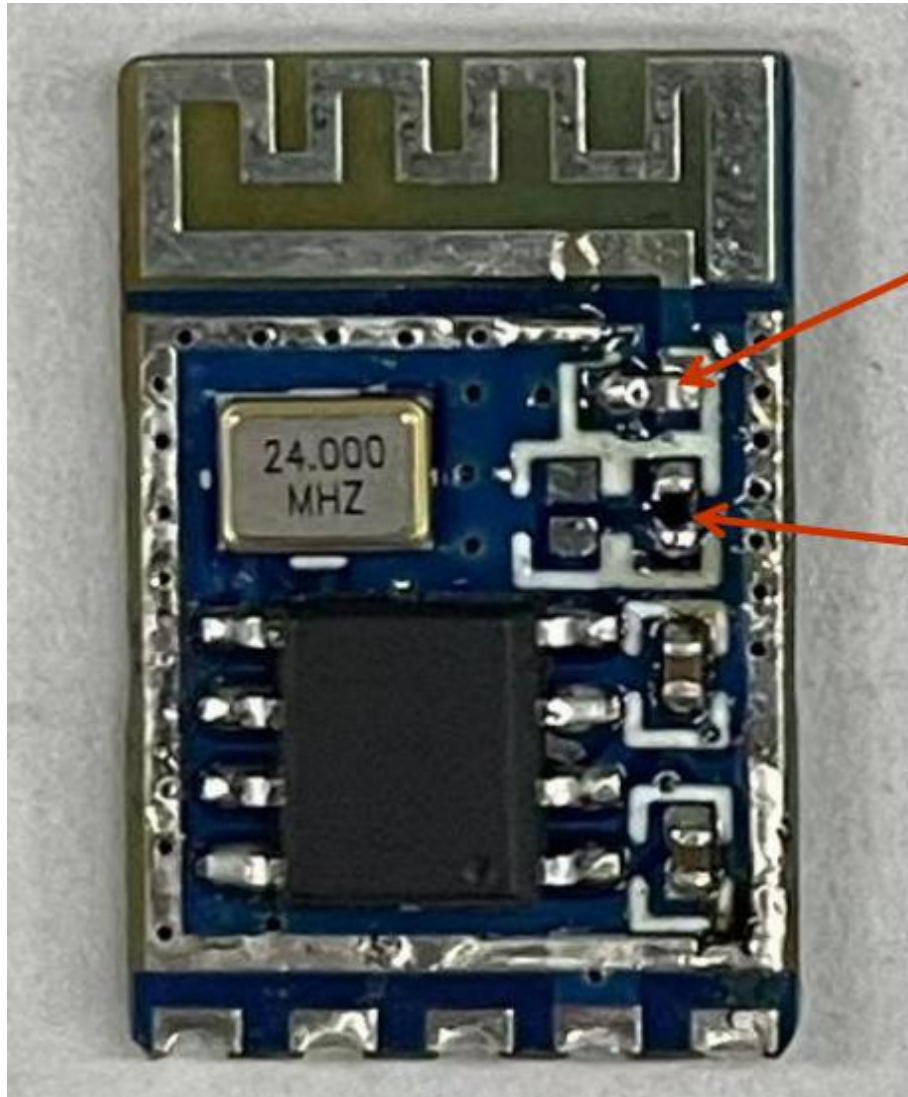
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Project situation

Customer Name	Granchip IoT Technology (Guangzhou) Co., Ltd
Project model	GQ-BT2G
Number of antennas	1
Antenna frequency band	2400-2500 MHz
Structural style	Onboard antenna

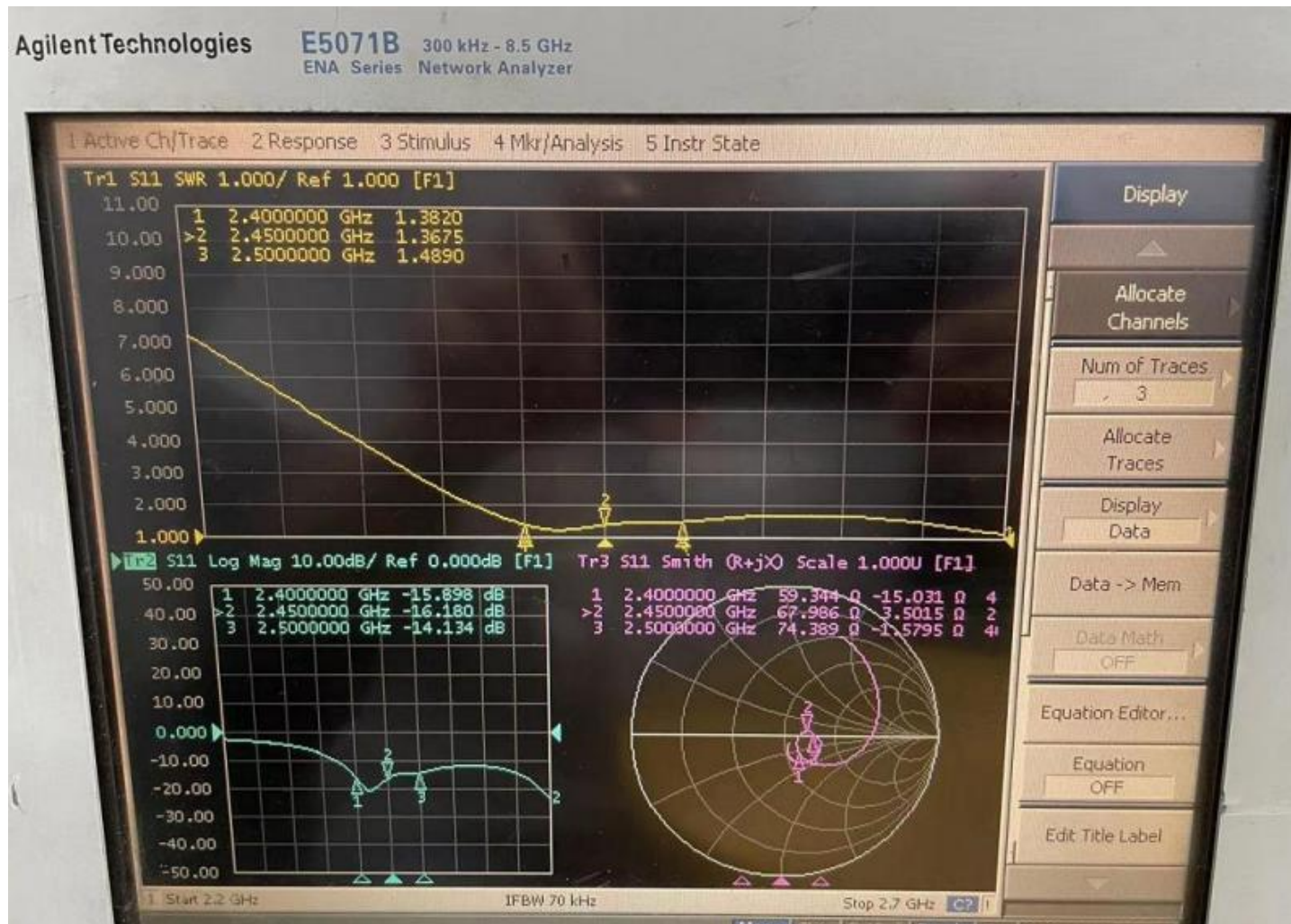
Antenna and structural form



There is also
a 3.6NH
inductor
located here

Connect a 0-
ohm resistor
in this
position

Antenna network division test diagram

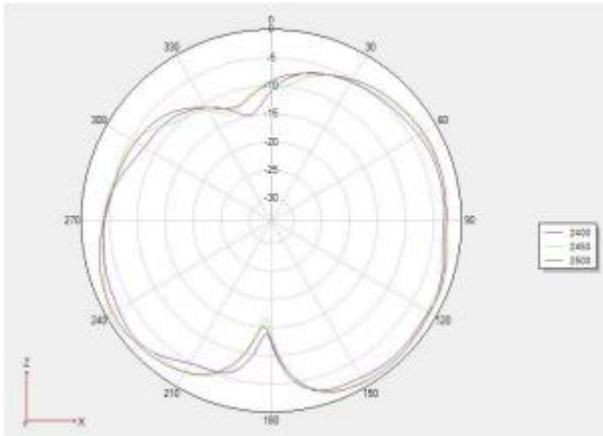


Passive antenna test data

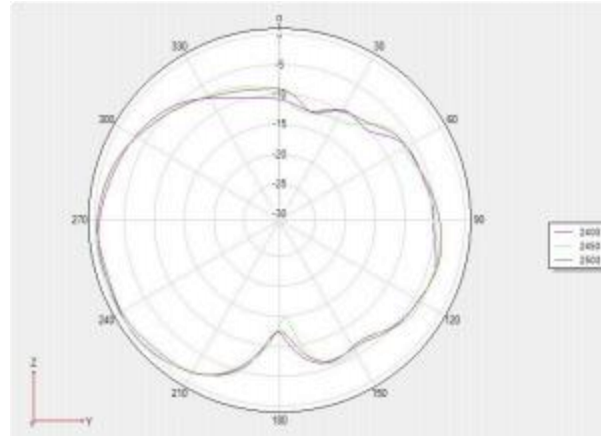
Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	52.48	1.28
2410	50.23	1.33
2420	53.94	1.37
2430	49.66	1.25
2440	54.68	1.42
2450	55.34	1.47
2460	54.43	1.45
2470	54.15	1.43
2480	53.16	1.4
2490	51.36	1.37
2500	52.41	1.38

2D image Antenna

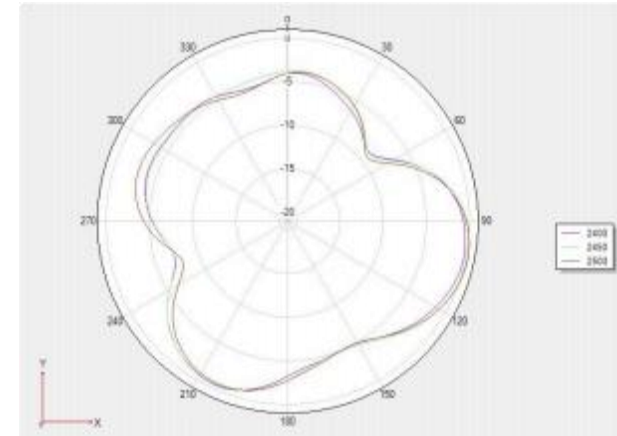
Phi 0 2D



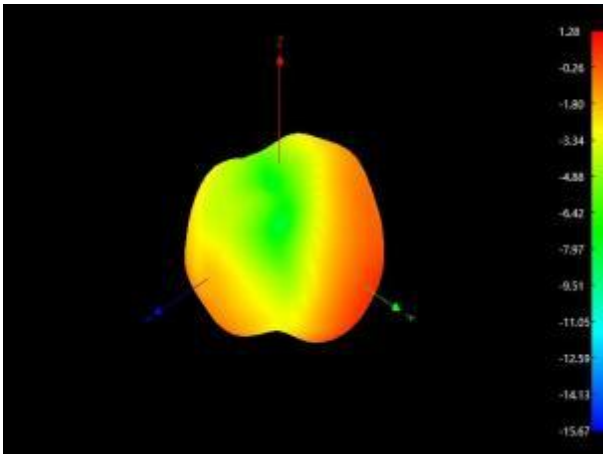
Phi 90 2D



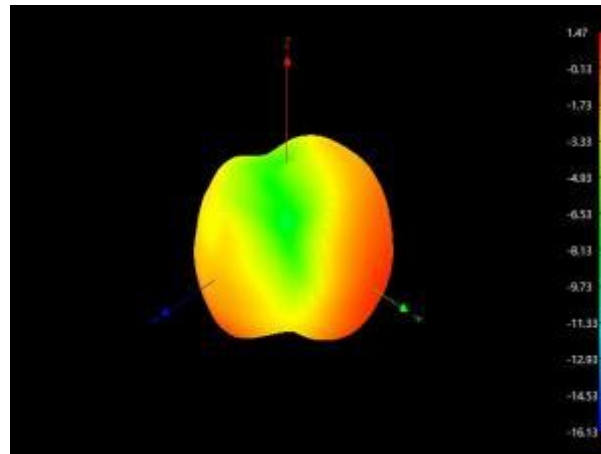
Theta 90 2D



2400



2450



2500

