

PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

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PASSIVE SYSTEM ALLIANCE

Model: N711

FCC ID: P4Q-N711

Trade: Mio/MAGELLAN/NAVMAN

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

Presented by : Yi-An Nien

Checked by : XianXiu Hong

Approved by : LeeTing Hsieh

INPAQ Technology Co., Ltd.

Last updated in Dec 14.2022

Version :V0.1

Customer :Mio

Project :

Product :

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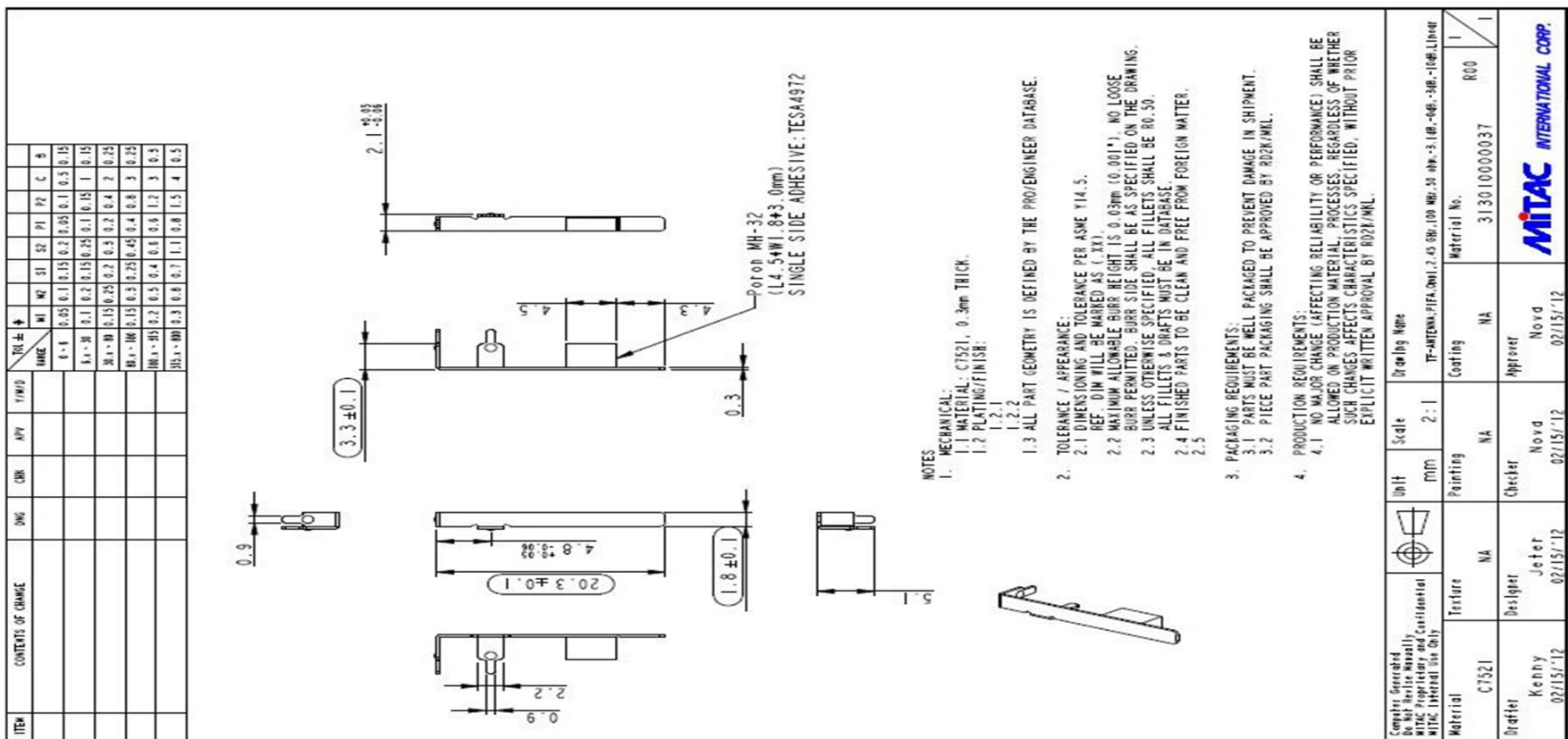
Revised History

Released Date	Version	Record
Sep. 07 th , 2022	0.0	Test & matching
Dec. 14 th , 2022	0.1	Compare two solutions
AUG. 16 th , 2022	0.3	Add Antenna information

Antenna information I

item	DESCRIPTION
品 名	2.4g WiFi antenna
型號	RENO
type	PIFA
廠商名稱	漢揚精密電子有限公司
廠商地址	江蘇省昆山出口加工區日本工業園區雄鷹路66號

Antenna information II



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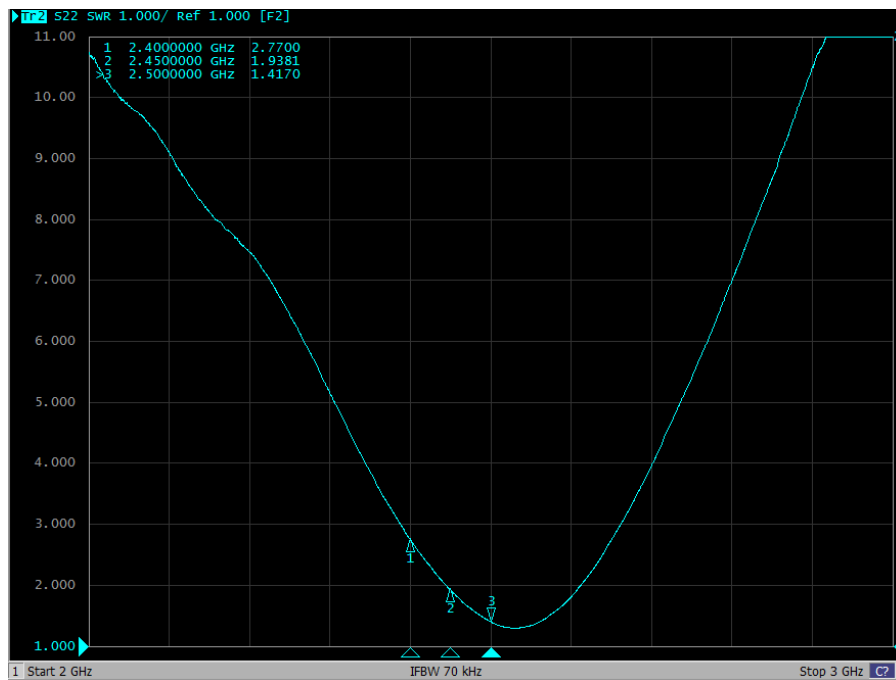
Product / Antenna Overview



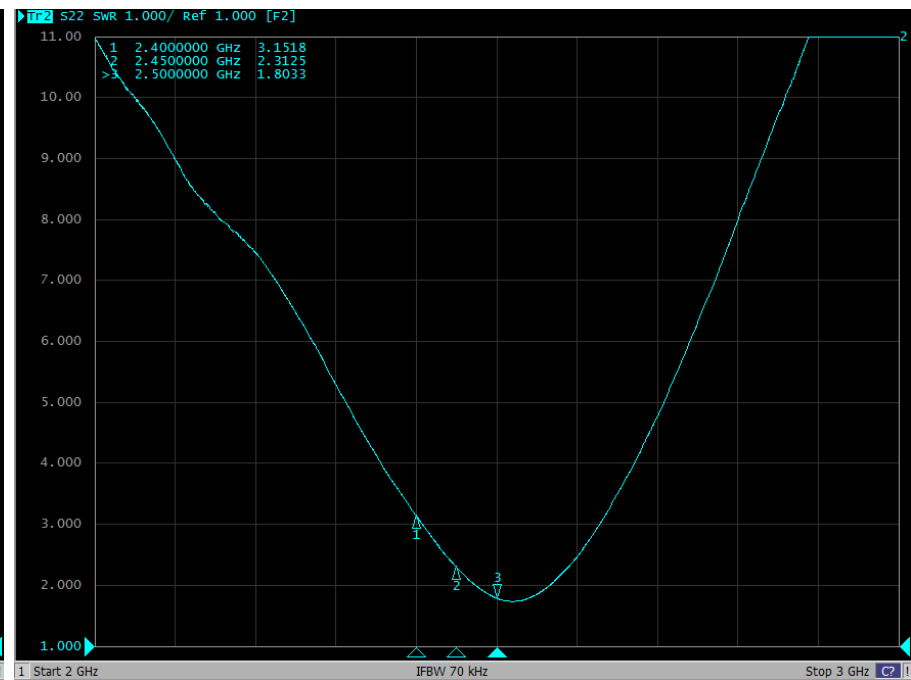
Application	Frequency(MHz)
Wi-Fi	2400-2500

Antenna VSWR

Panel



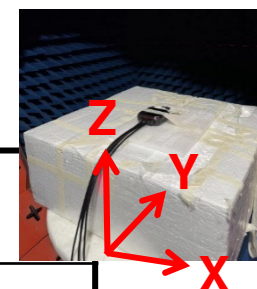
WithoutPanel



Efficiency & Peak Gain

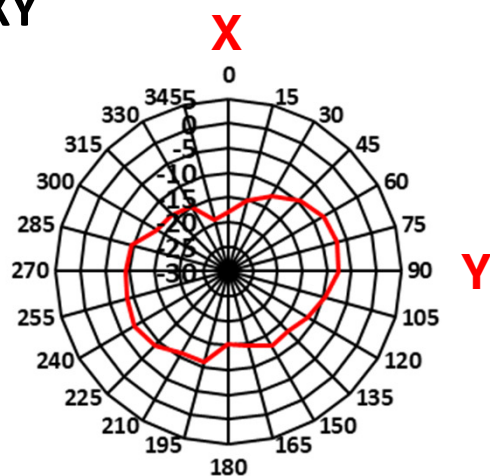
	Panel		Without Panel	
Frequency (MHz)	Efficiency(%)	Peak Gain(dBi)	Efficiency(%)	Peak Gain(dBi)
2400	11.34	-3.24	10.47	-3.56
2450	12.18	-3.13	12.67	-3.54
2500	13.88	-2.83	12.50	-3.21

2D Radiation Gain Pattern-Panel

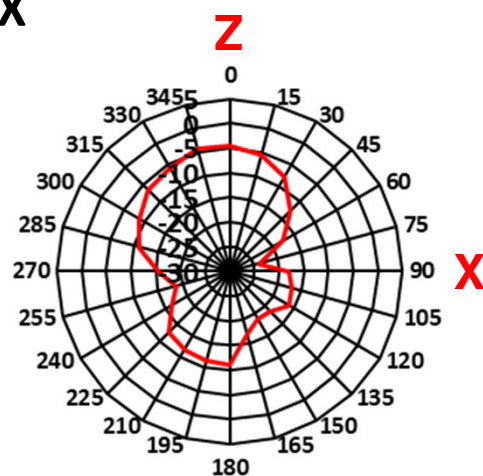


2450MHz

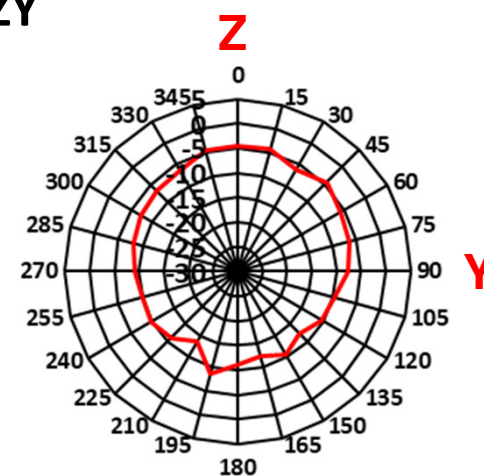
XY



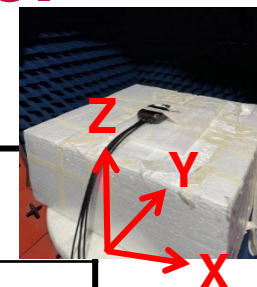
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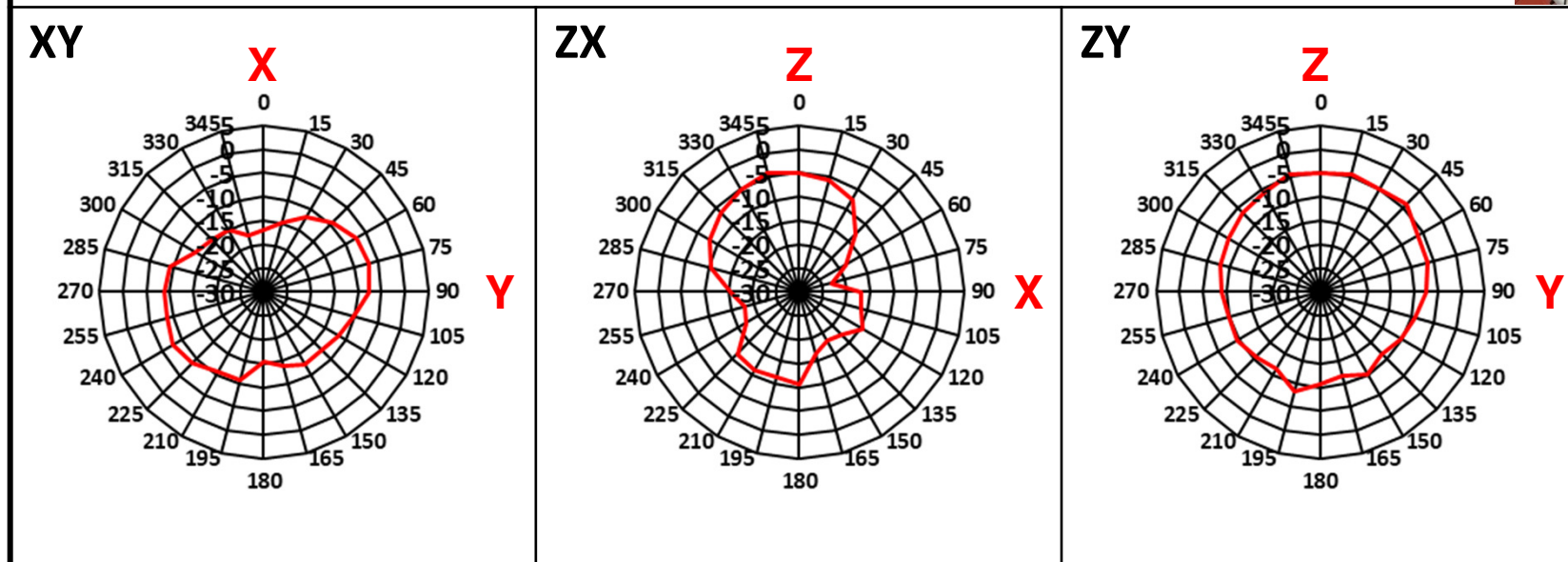
ZY



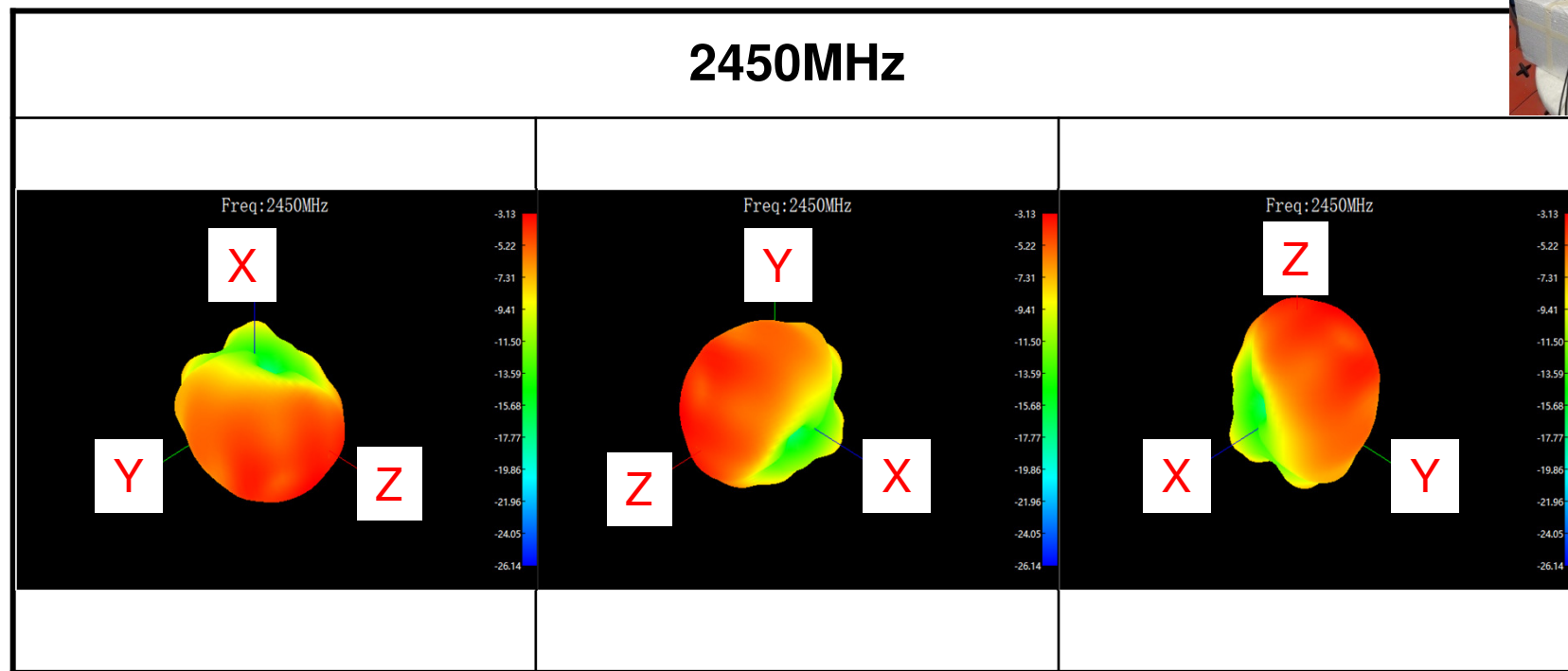
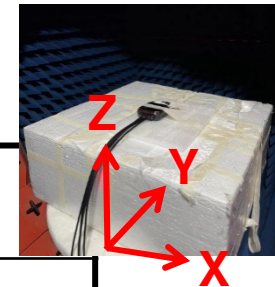
2D Radiation Gain Pattern-Without Panel



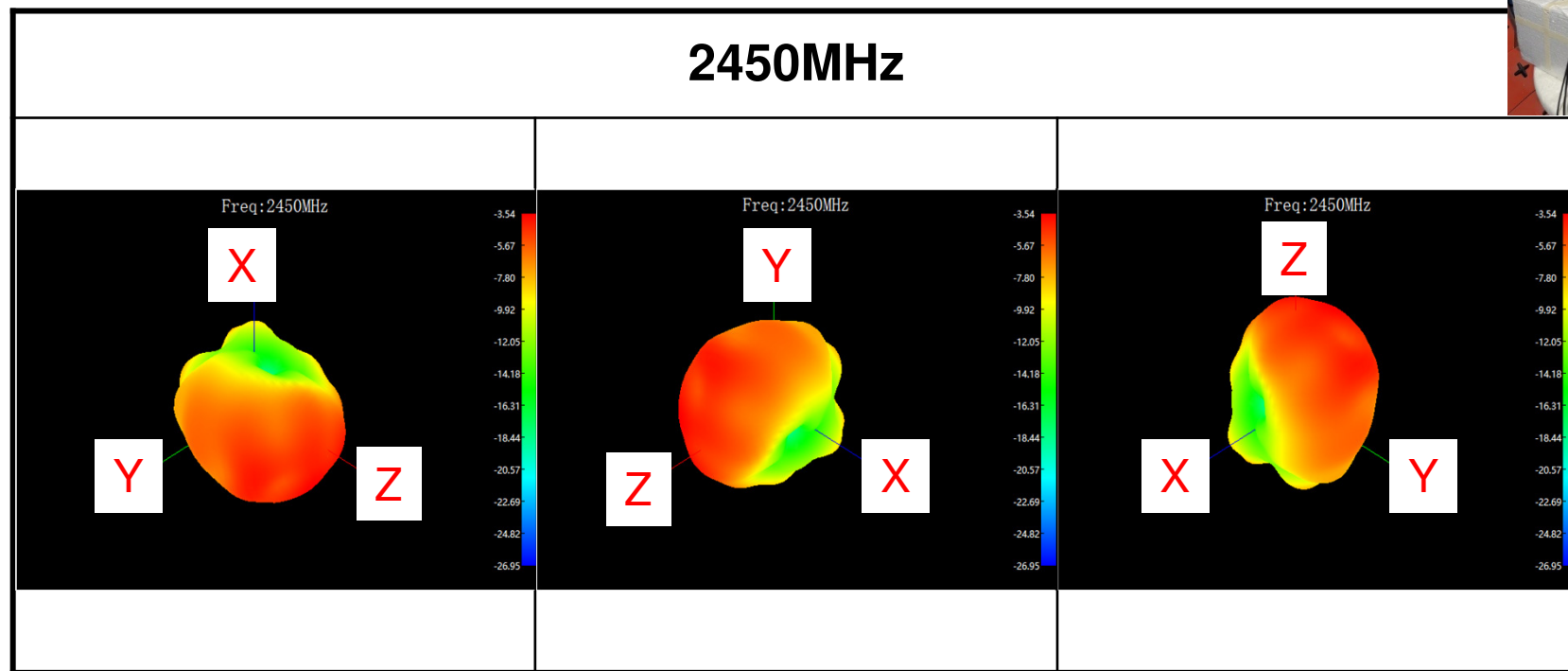
2450MHz



3D Radiation Gain Pattern-Panel



3D Radiation Gain Pattern-Without Panel



Conclusions

- The efficiency of the antenna with panel is about 11% to 13%.
- The peak gain of the antenna with panel is -3.13dBi in 2450MHz.
- The efficiency of the antenna without panel is about 10% to 12%.
- The peak gain of the antenna without panel is -3.54dBi in 2450MHz.