INPAQ
INPAQ TECHNOLOGY CO., LTD

品名：**RFDPA191707IMAB301** **History List**

版本 REV.	修訂者 EDITOR	修訂頁次 PAGE	修訂內容 ITEMS OF CHANGE	申請日期 DATE	生效日期 VALID DATE	ECN 編號 ECN NO.
P0	邱瑩鈺	ALL	New drawing release	2021/05/14	According to the date of PLM Release	N/A

品名：RFDPA191707IMAB301

1. Explanation of part number：

RF	DPA	1917	07	I	M	A	B	3	01
Type Code	**Product Code**	**Dipole Dimension (Unit: mm)**	**Cable Length (unit: cm)**	**Connector Brand**	**Type of Connector**	**Application**	**Project status**	**Wire Diameter**	**Project**
RF Device	DPA: Dipole Antenna	Per 2 digits of length, width e.g.: 1310 Length 135.7mm, Width ϕ 10.0mm	2 digits for cable length e.g.: 00 None Cable	A: N C:MCX D:IPEX III E: IPEX IV F: IPEX A13 H: Hirose I: IPEX M: MMCX S: SMA T: TNC U:MURATA N: None	A: Reverse Female **B: Reverse Male** F: Female M: Male **N: None**	**0: 0GHz** **3: 3GHz** **5: 5 GHz** **6: 6GHz** A: 2.4GHz ISM band B: GSM 900/1800 dual band G: GPS band L: 2.4/5.x GHz tri-band **N: NFC** **T:LTE band** **W: WCDMA band**	B: MP **T:During Test** X: Pile Run	0:None 1:Ø0.81 3:Ø1.13 6:RG316 7:Ø1.37 8:RG178	01~99 series number

2. Electrical Specification：

Item	Specification
Working Frequency Range	2.4~2.5 GHz
Gain	4.7 dBi
Return Loss	-10dB(Max)
VSWR	2 max.
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Operation Temperature	－20℃ ～ ＋65℃

UNLESS OTHER SPECIFIED TOLERANCES ON： X＝N/A X.X＝N/A X.XX＝N/A ANGLES＝N/A HOLEDIA＝N/A		INPAQ TECHNOLOGY CO., LTD.	
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DRAWN BY：邱瑩鈺	CHECKED BY：詹惠雯		
DESIGNED BY：顏耀祺	APPROVED BY：陳振榮		
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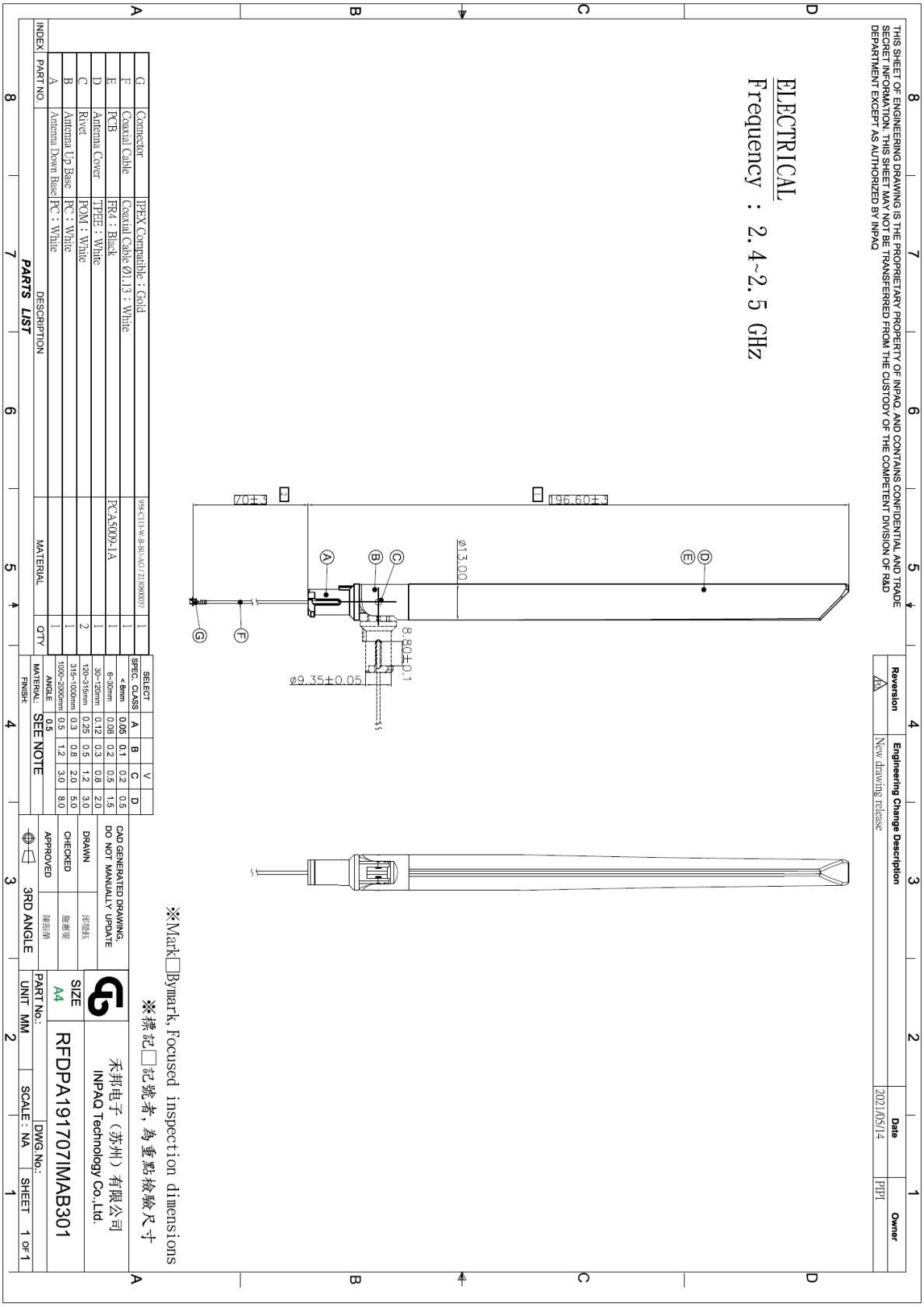
3. Antenna Drawing：



4.

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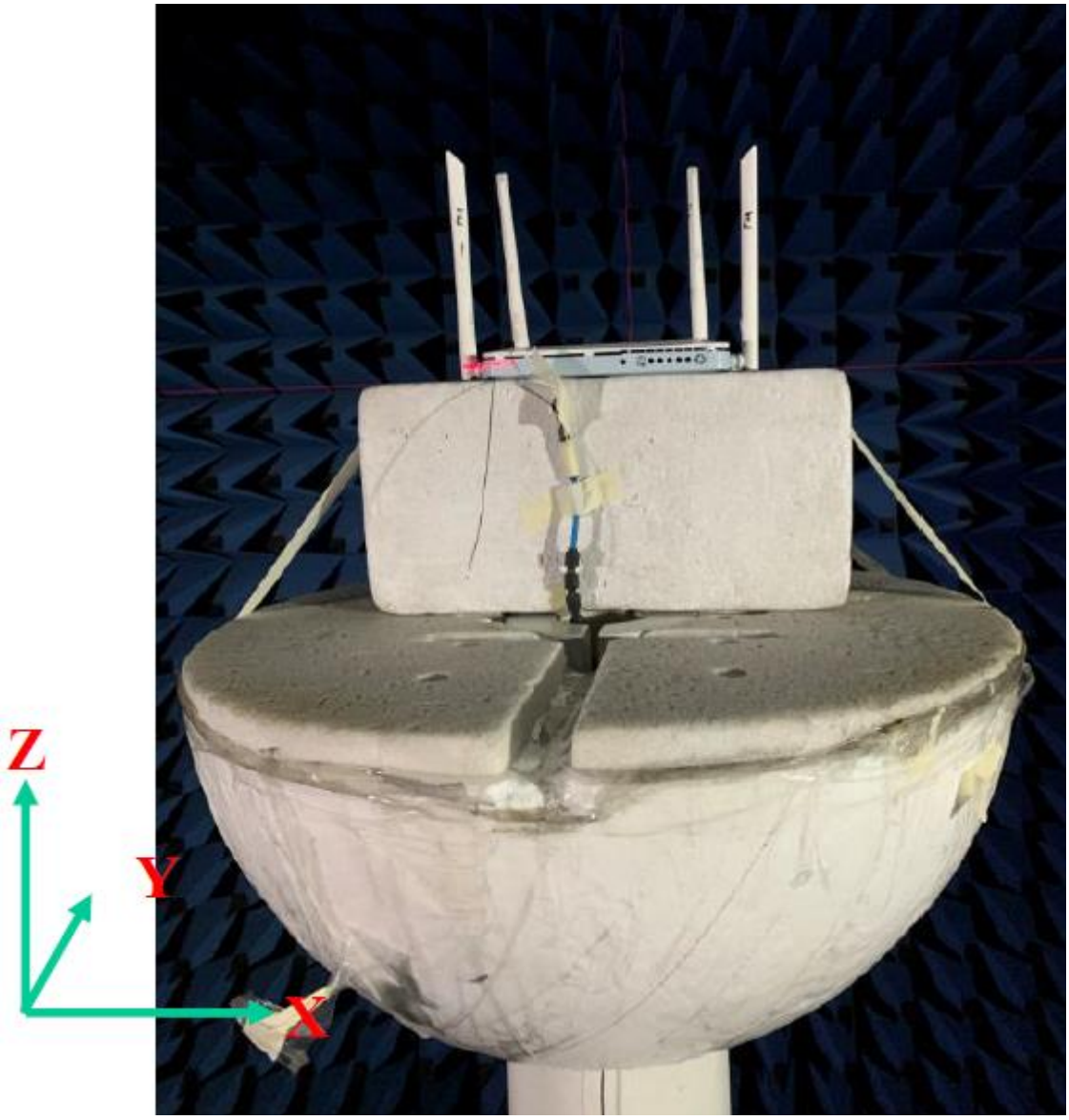
Performance Report：

Test Report

Experimental Setup



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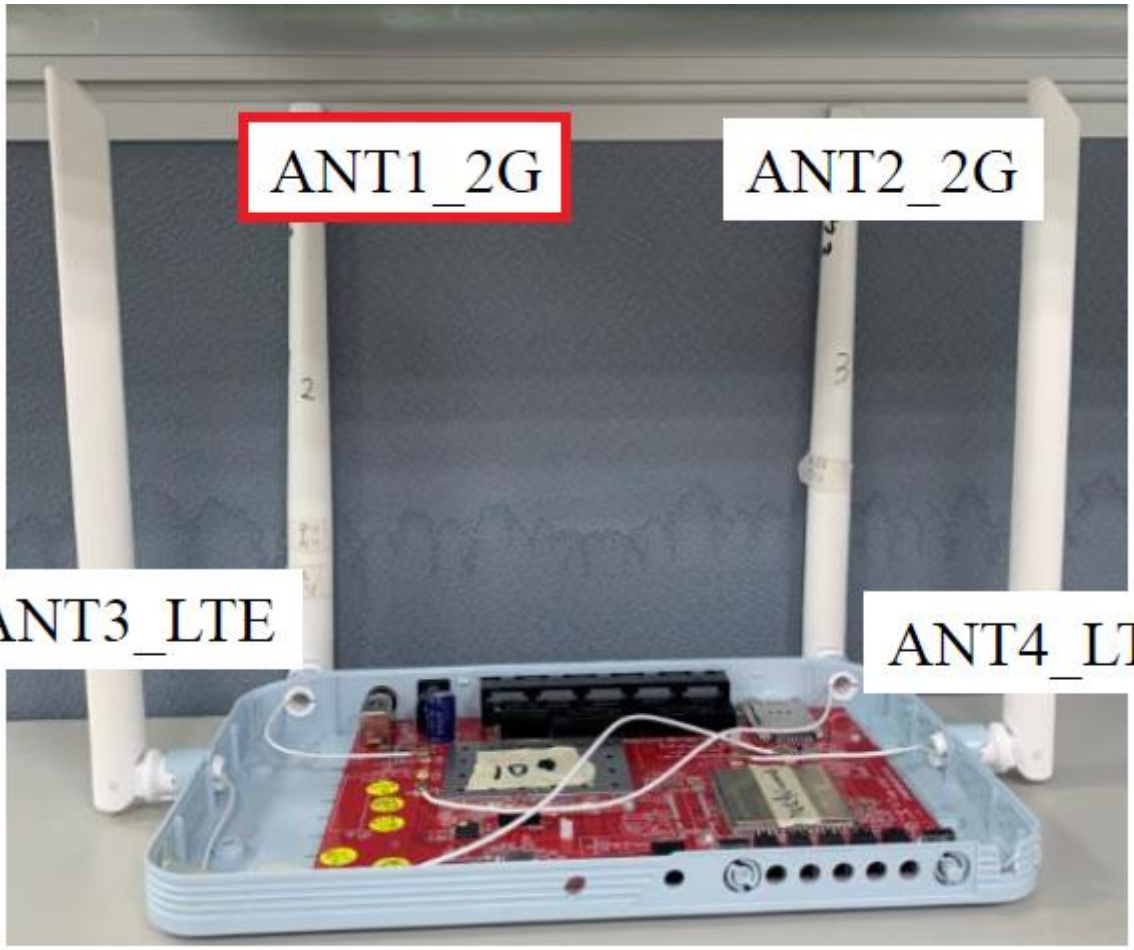
Antenna Solution Detail



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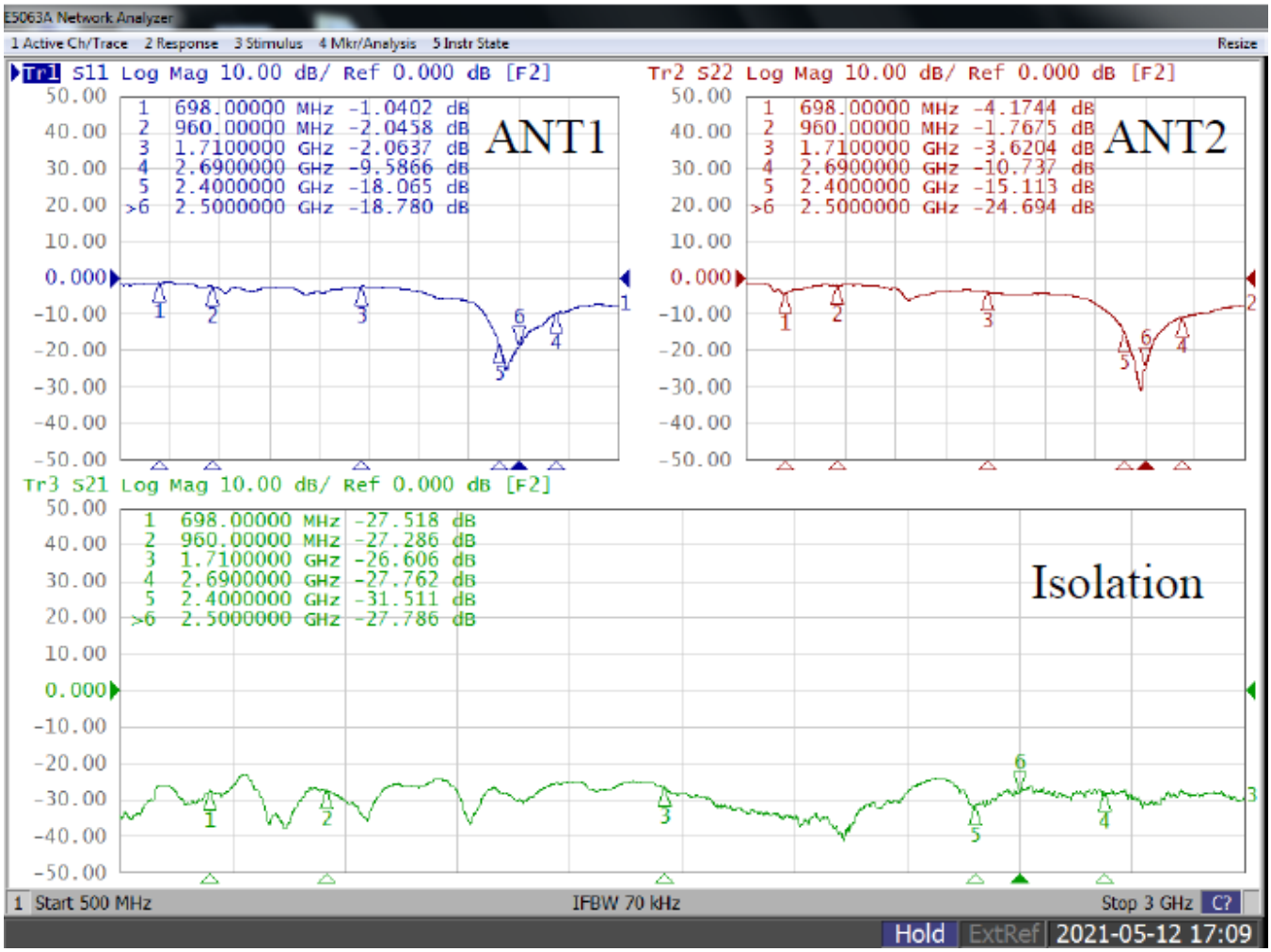
Electrical characteristics

Return Loss & Isolation



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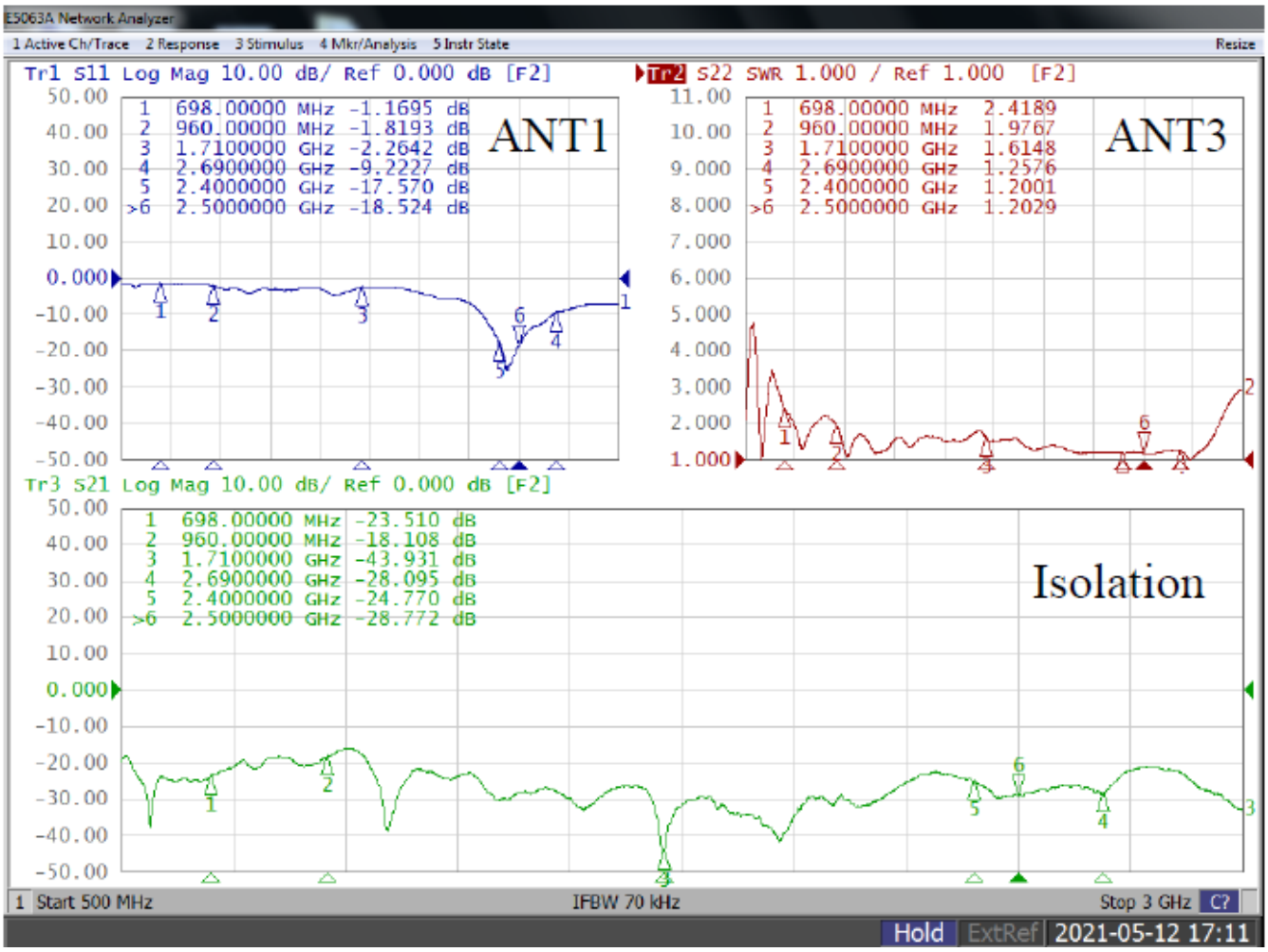

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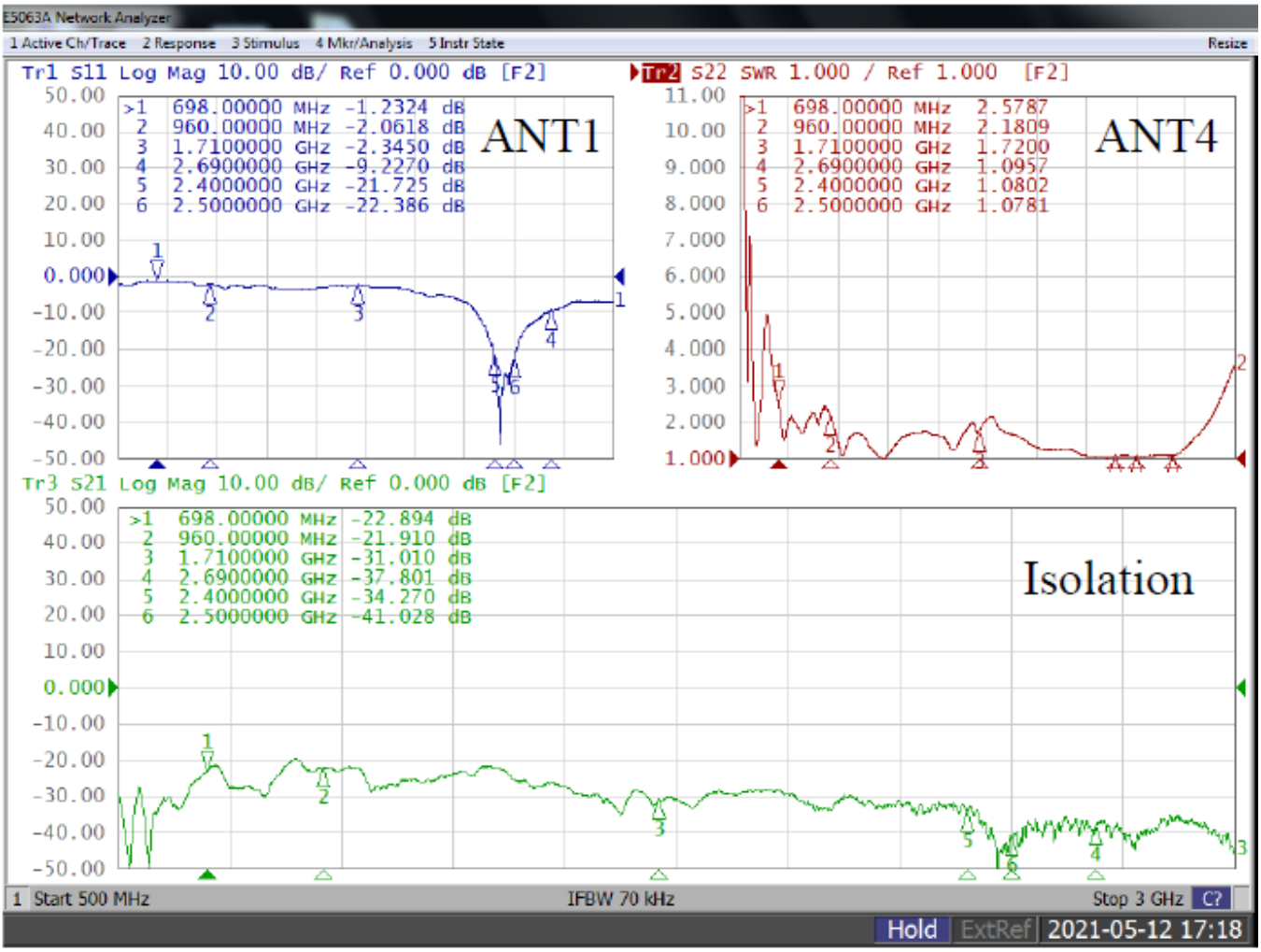

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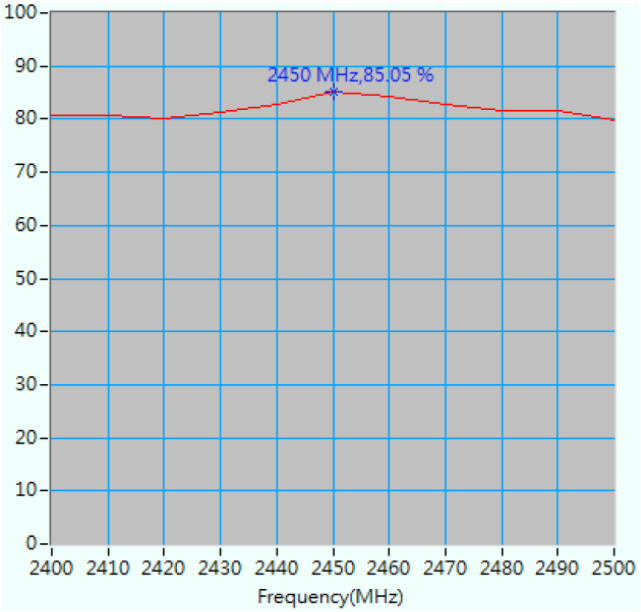
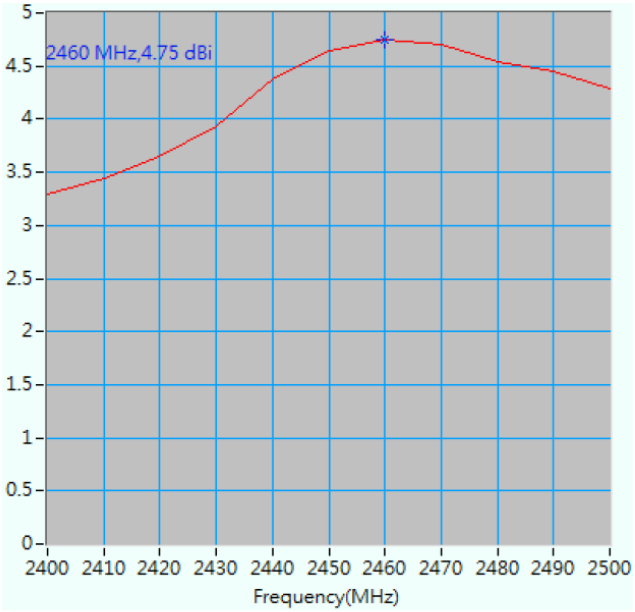
Antenna Efficiency and Peak Gain





Maximum Efficiency at 2450 MHz : 85.0 %

Maximum Peak Gain at 2460 MHz : 4.7 dBi

	ANT1	
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
2400	80.84	3.29
2410	80.63	3.44
2420	80.04	3.66
2430	81.36	3.93
2440	82.80	4.38
2450	85.05	4.65
2460	84.18	4.75
2470	82.83	4.70
2480	81.61	4.54
2490	81.53	4.45
2500	79.77	4.28

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