


品名：RFDPA191708IMTB301

1. Explanation of part number :

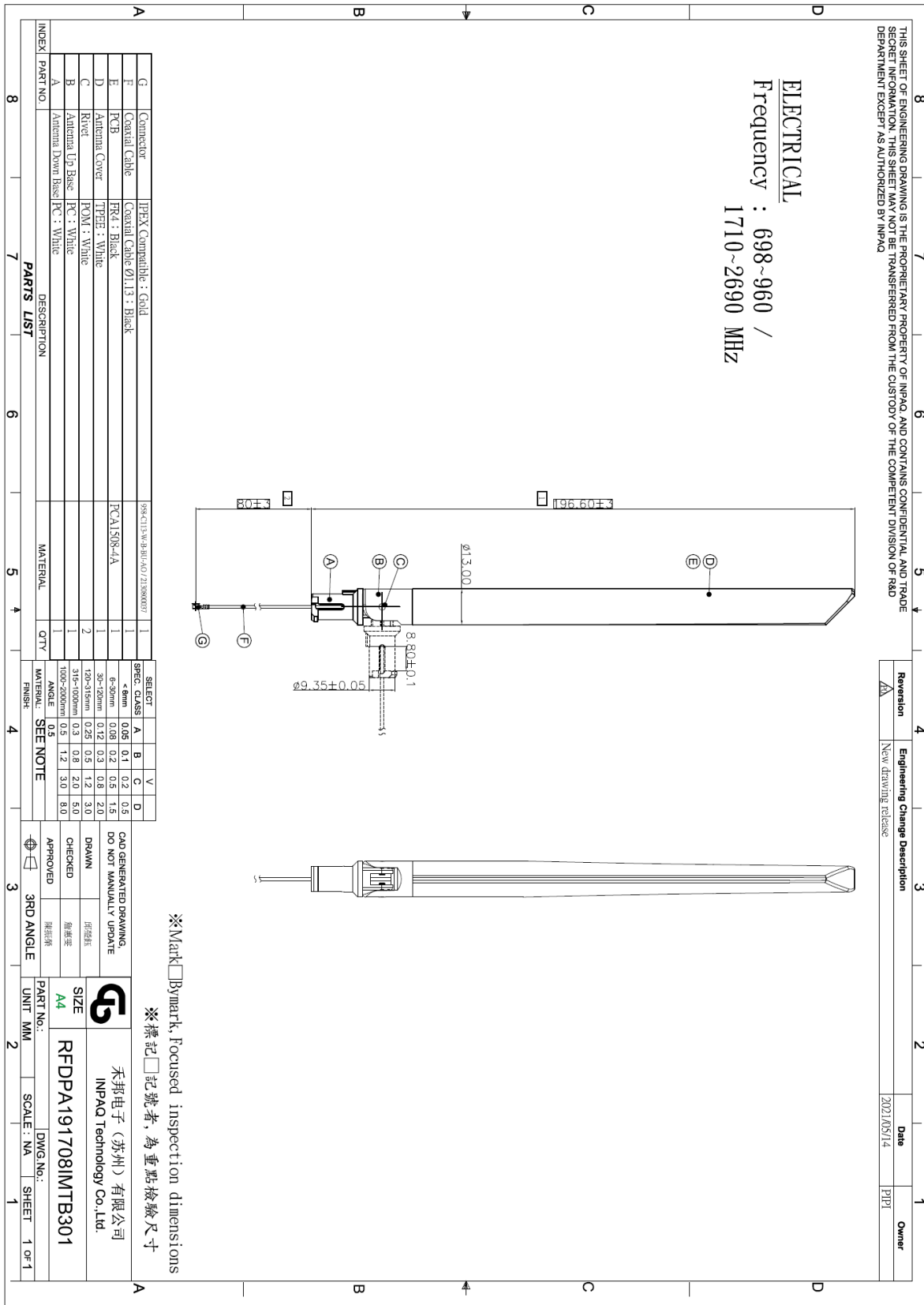
RF	DPA	1917	08	I	M	T	B	3	01
Type Code	Product Code	Dipole Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
RF Device	DPA: Dipole Antenna	Per 2 digits of length, width e.g.: 1310 Length 135.7mm, Width φ 10.0mm	2 digits for 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:φ0.81 3:φ1.13 6:RG316 7:φ1.37 8:RG178	01~99 series number

2. Electrical Specification :

Item	Specification
Working Frequency Range	698~960 / 1710~2690 MHz
Gain	Low @ 2.8 dBi Hight @ 5 dBi
Return Loss	-10dB(Max)
VSWR	2 max.
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Operation Temperature	-20°C ~ +65°C

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.
SCALE : N/A	UNIT : mm		
DRAWN BY : 邱登鈺	CHECKED BY : 詹惠雯	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DESIGNED BY : 顏耀祺	APPROVED BY : 陳振榮		
TITLE : RFDPA191708IMTB301		DOCUMENT NO.	SPEC REV. P0

3. Antenna Drawing :

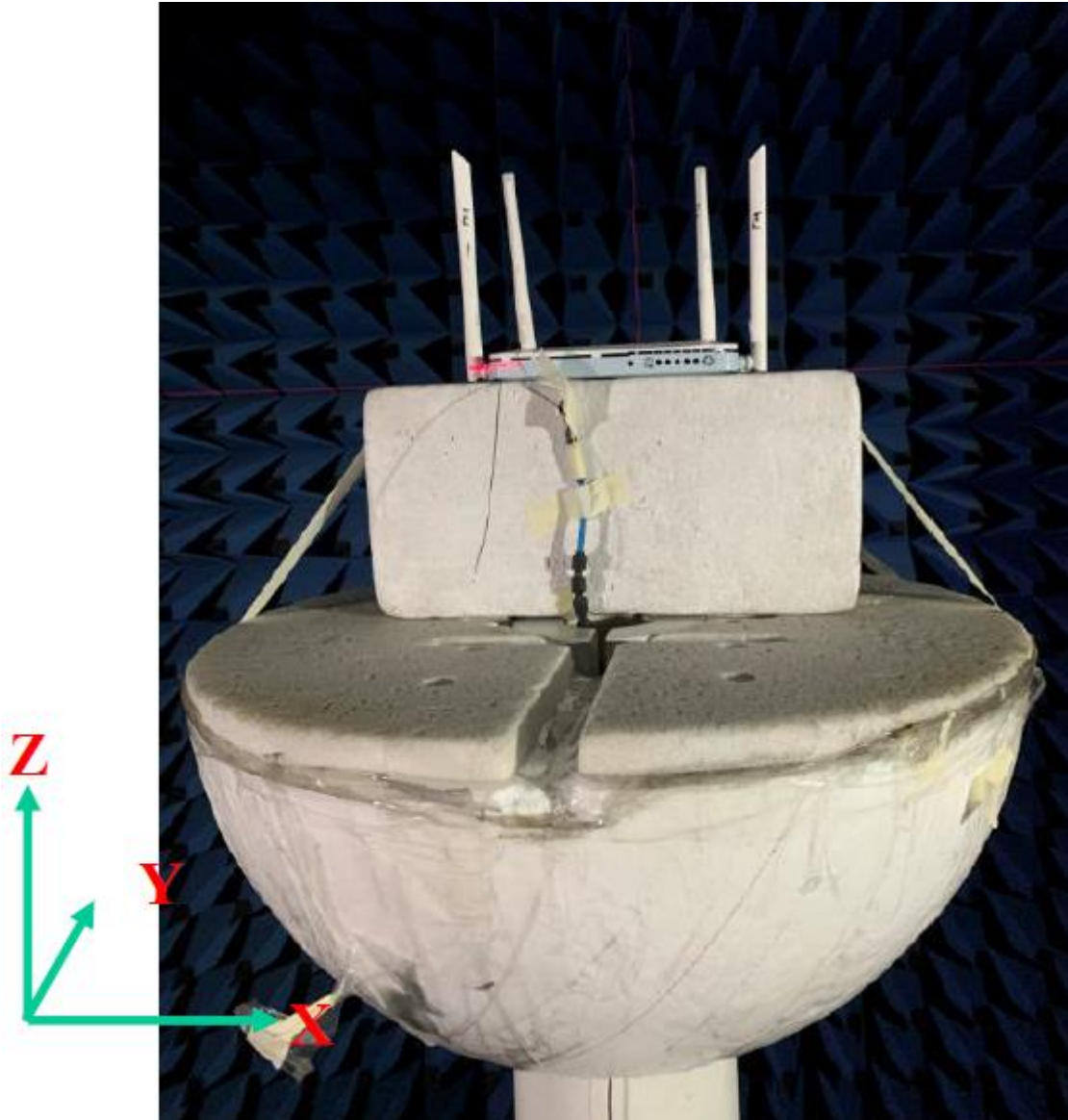



UNLESS OTHER SPECIFIED TOLERANCES ON : X=N/A X.X=N/A X.XX=N/A ANGLES=N/A HOLEDIA=N/A		INPAQ TECHNOLOGY CO., LTD.
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4. Performance Report :

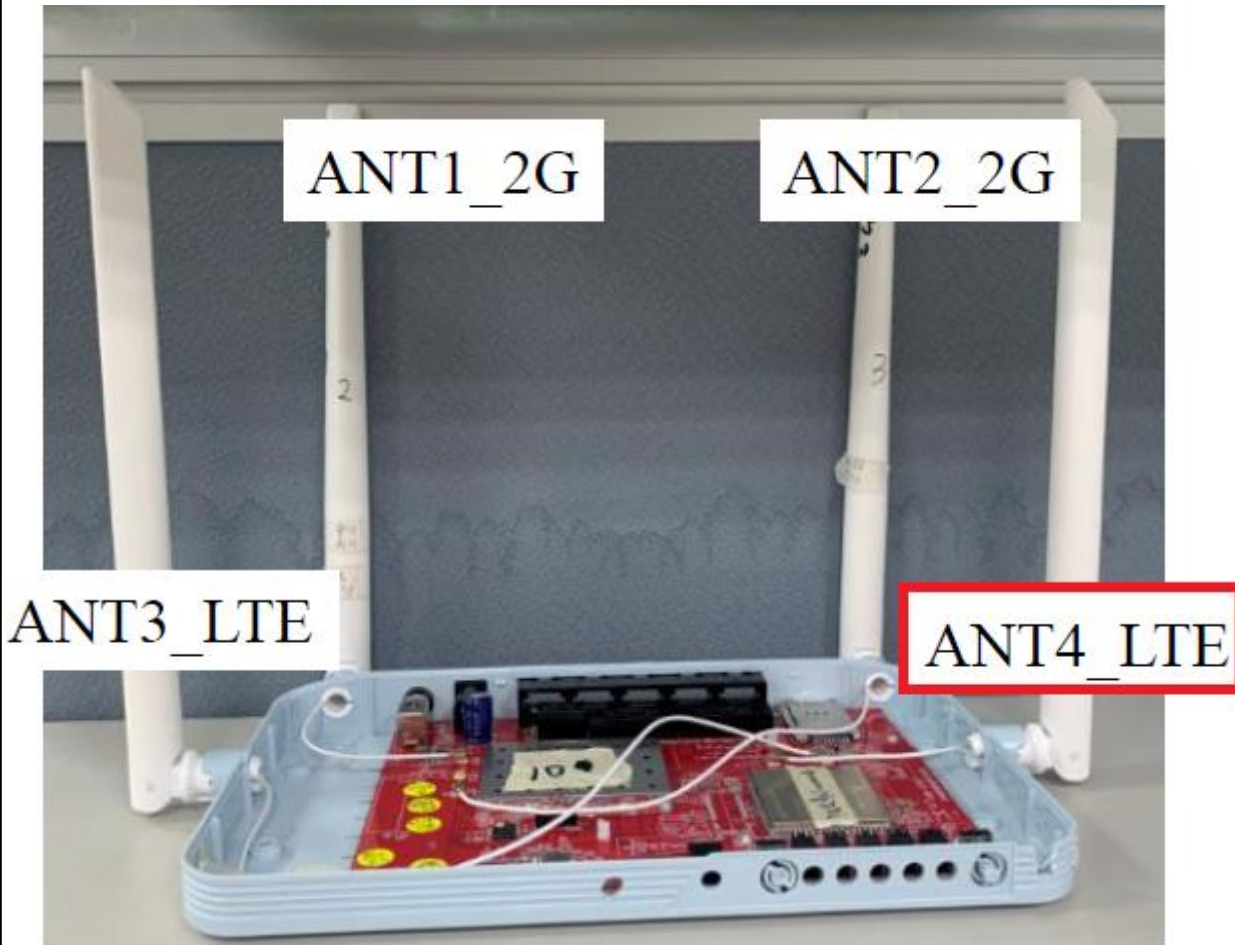
Test Report


Experimental Setup



UNLESS OTHER SPECIFIED TOLERANCES ON :			INPAQ TECHNOLOGY CO., LTD.
X=N/A	X.X=N/A		
ANGLES=N/A		HOLEDIA=N/A	
SCALE : N/A	UNIT : mm		
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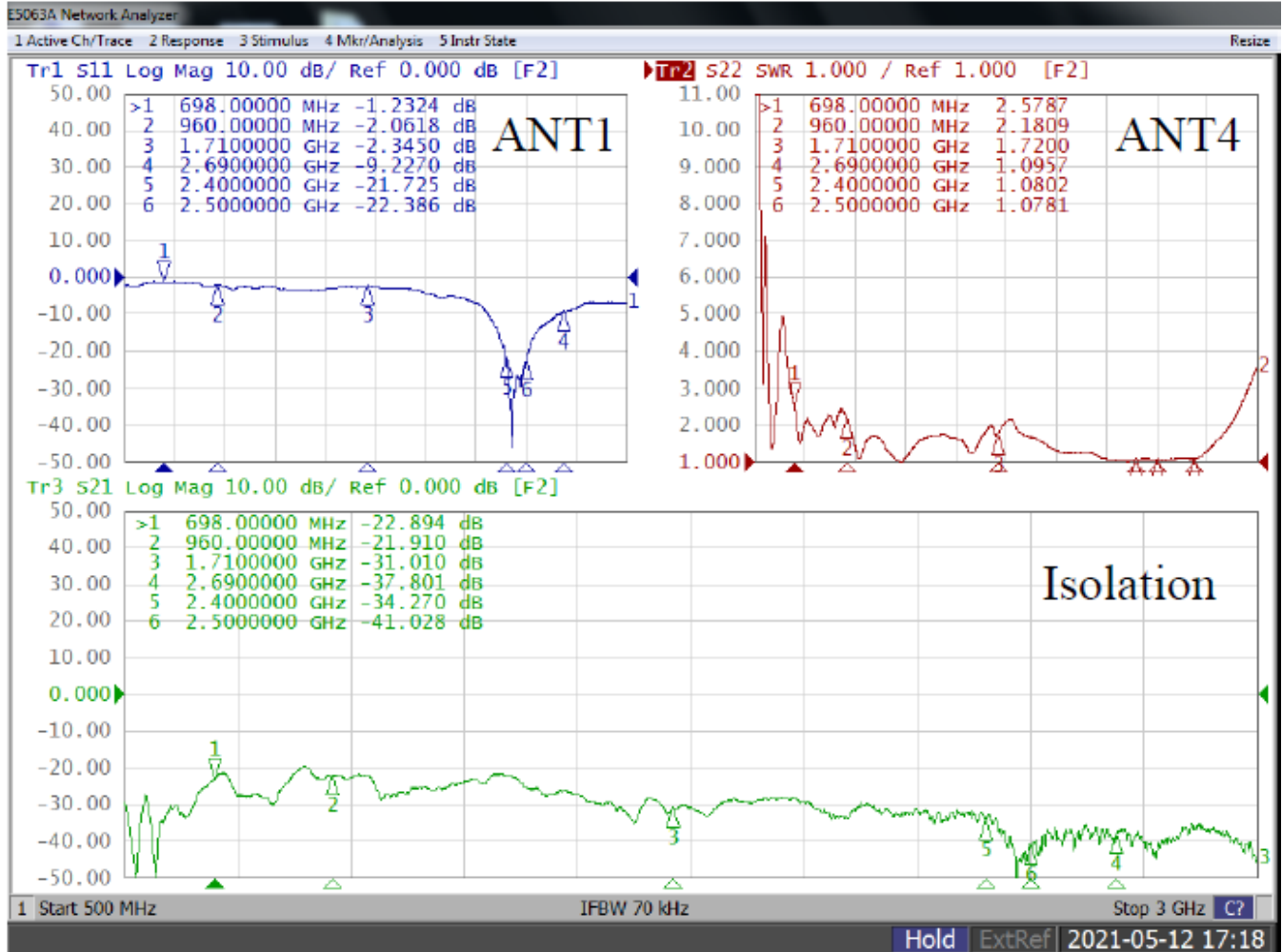
Antenna Solution Detail




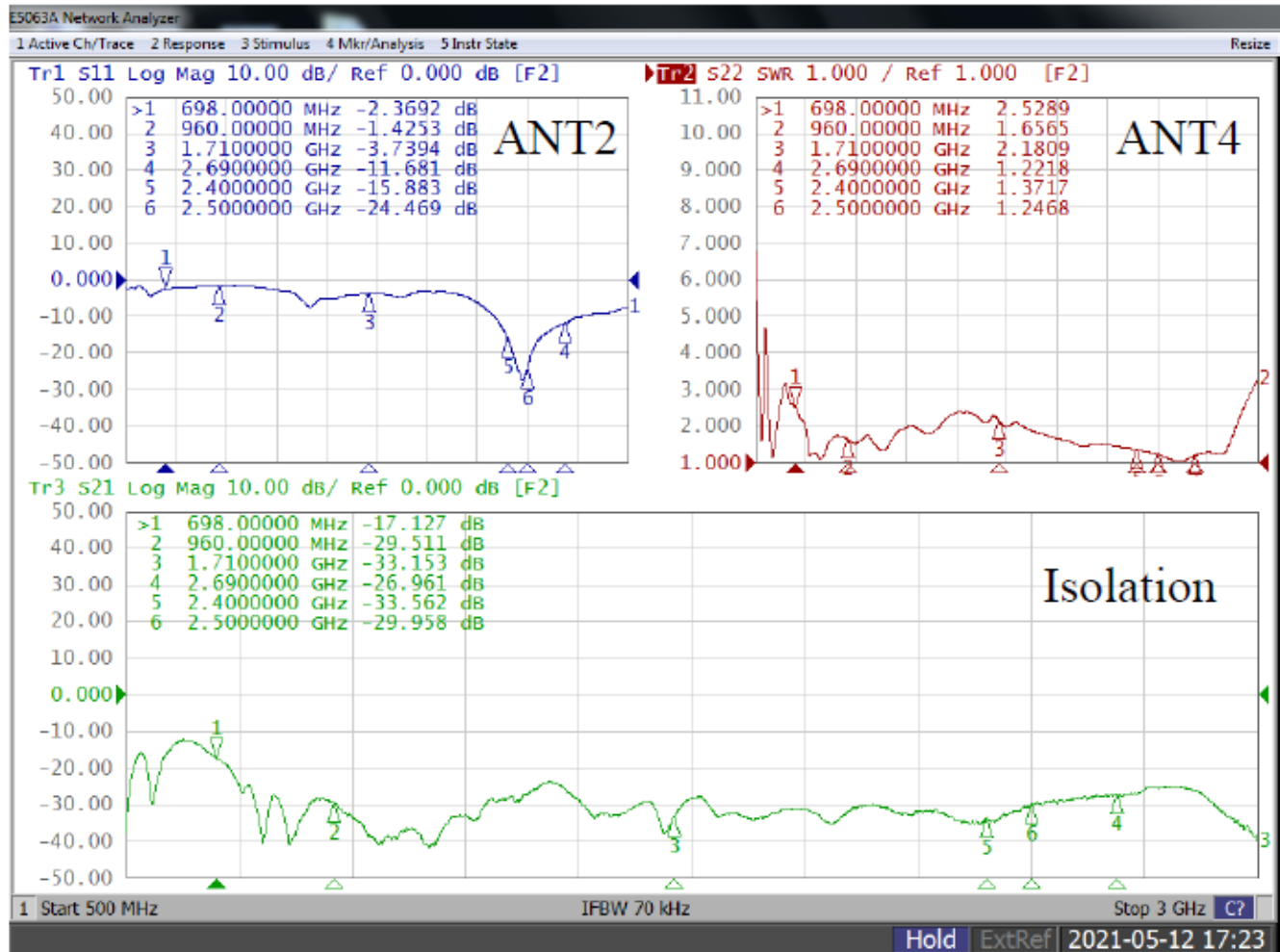
UNLESS OTHER SPECIFIED TOLERANCES ON : X=N/A X.X=N/A X.XX=N/A ANGLES=N/A HOLEDIA=N/A		 INPAQ TECHNOLOGY CO., LTD.
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Electrical characteristics

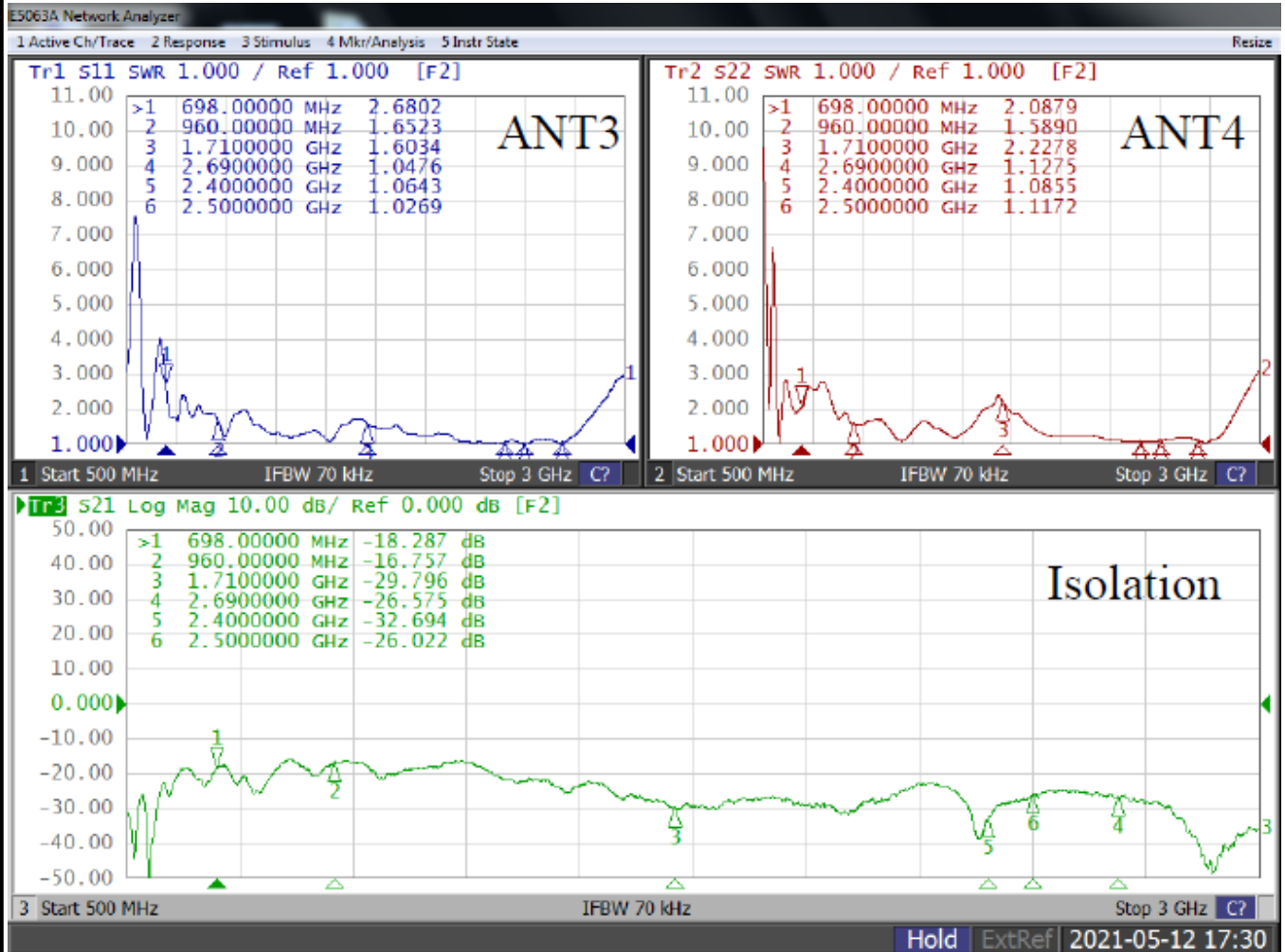
Return Loss & Isolation




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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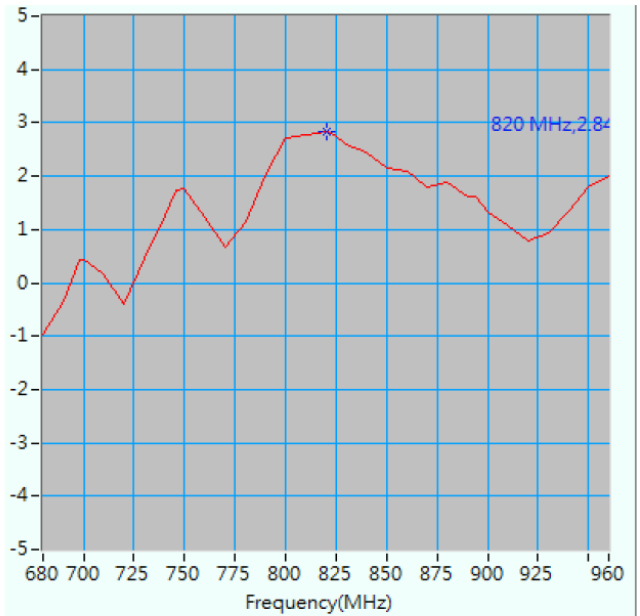
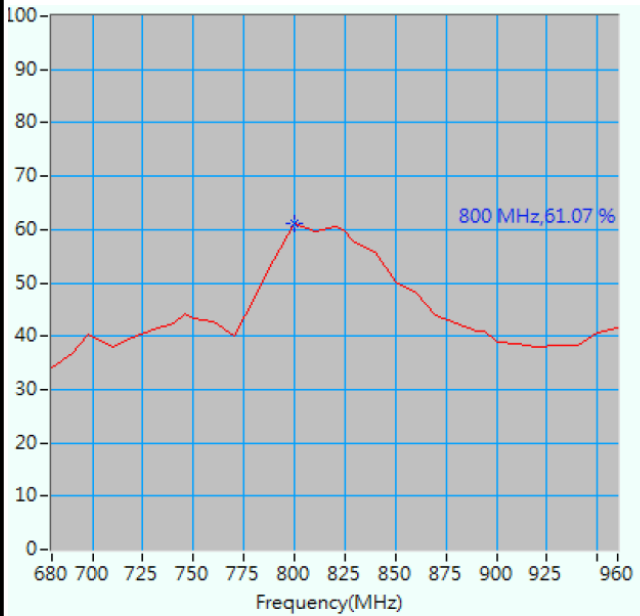
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Antenna Efficiency and Peak Gain


ANT4_Low



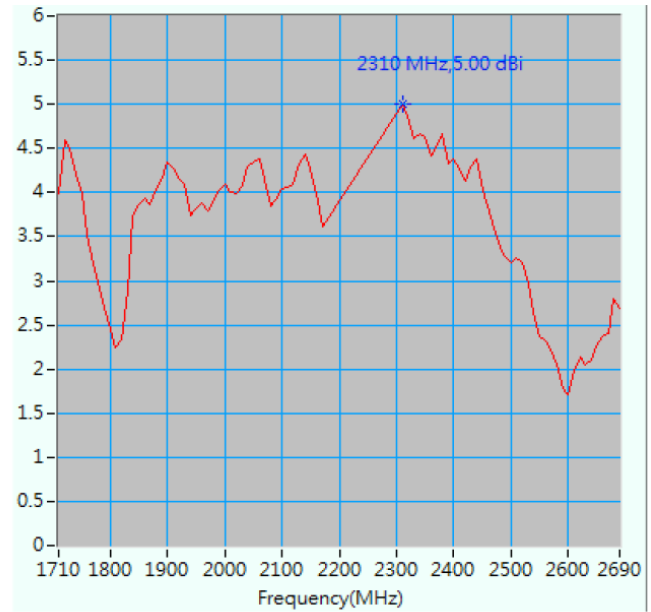
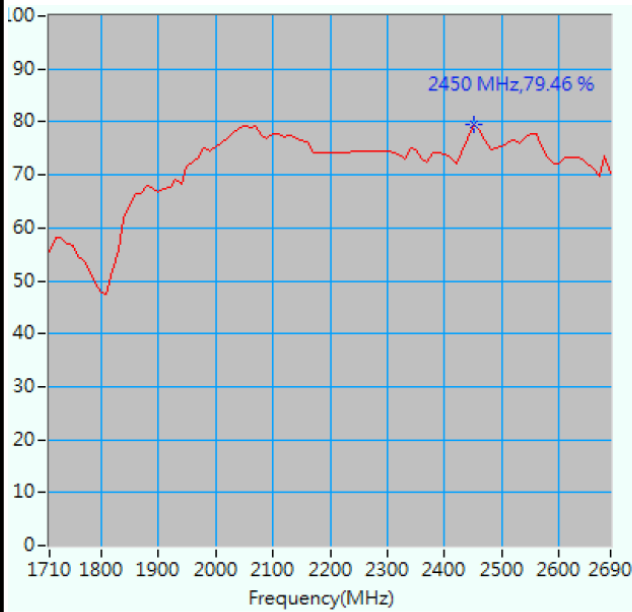
Maximum Efficiency at 800 MHz : 61.0%

Maximum Peak Gain at 820 MHz : 2.8 dBi

ANT4		
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
698	40.23	0.43
750	43.46	1.76
800	61.07	2.71
850	50.17	2.15
900	38.93	1.32
960	41.52	2.01

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ANT4_Hight



Maximum Efficiency at 2450 MHz : 79.4 %

Maximum Peak Gain at 2310 MHz : 5 dBi

ANT4		
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
1710	55.38	3.99
1800	47.77	2.46
1900	66.86	4.35
2000	75.26	4.10
2100	77.83	4.04
2300	74.54	4.90
2400	73.99	4.38
2500	75.51	3.21
2600	72.06	1.70
2690	70.42	2.69

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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