



PSA 華科事業群
PASSIVE SYSTEM ALLIANCE

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Part No.

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<http://www.passivecomponent.com/findex.asp>

OUTLINE



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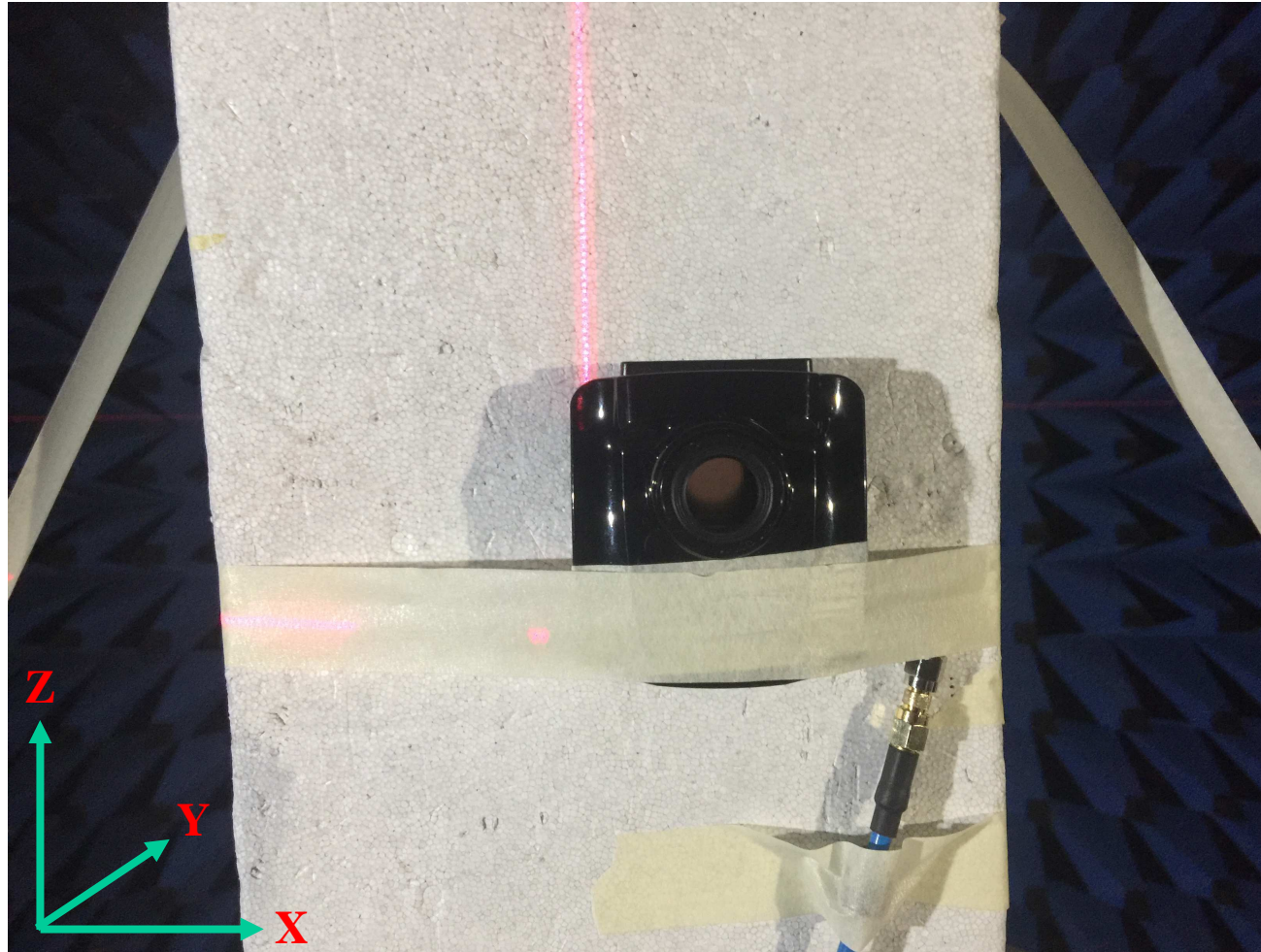
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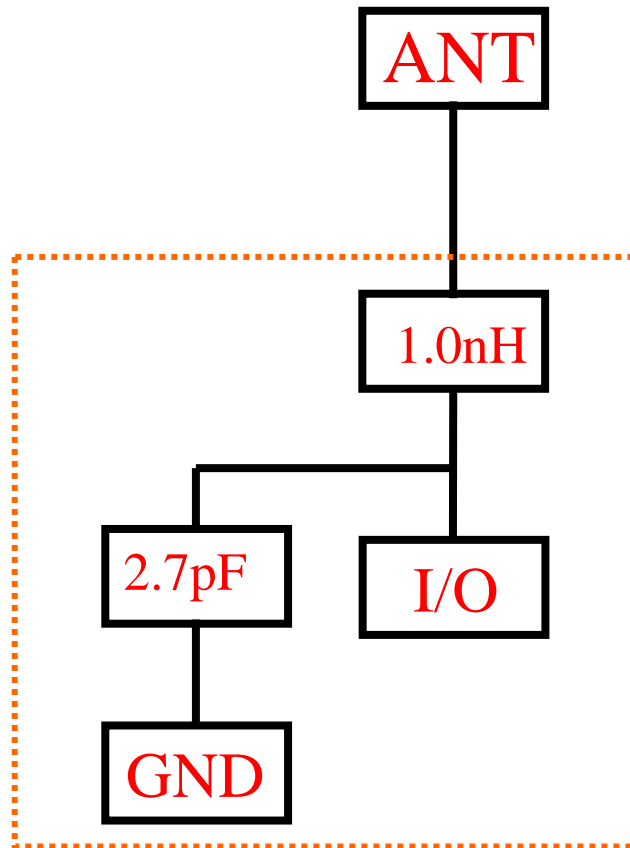
1. Measurement Information

1.1 Experimental Setup



1. Measurement Information

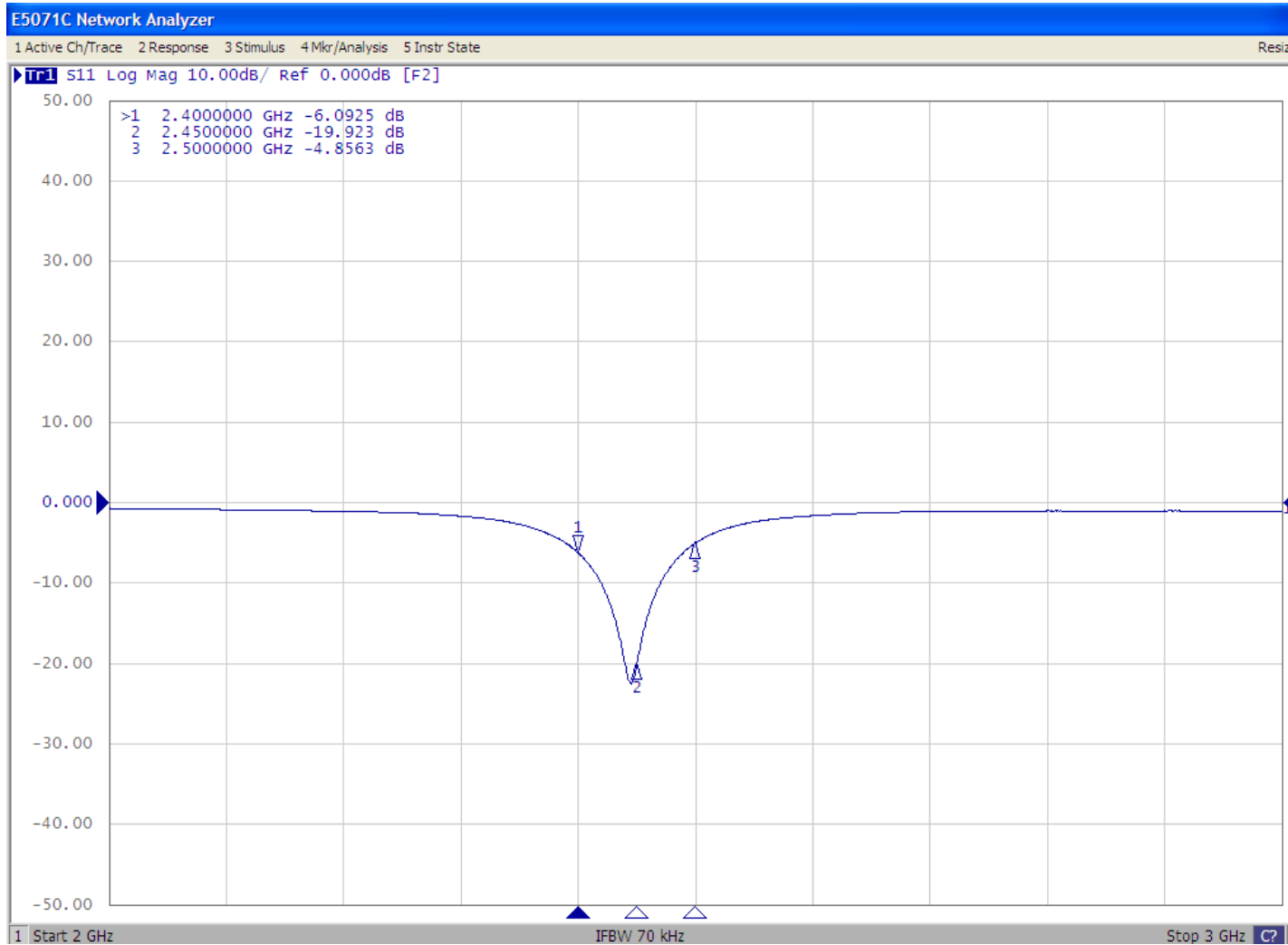
1.2 Matching Circuit



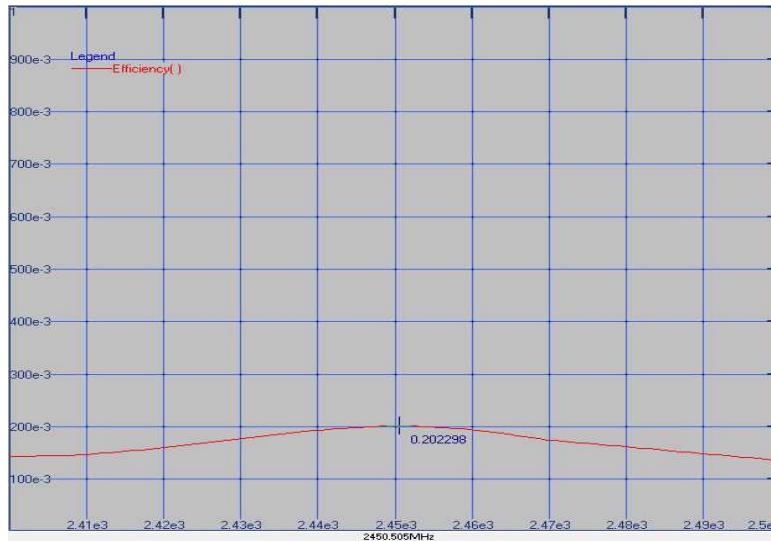


2. Antenna Characteristics

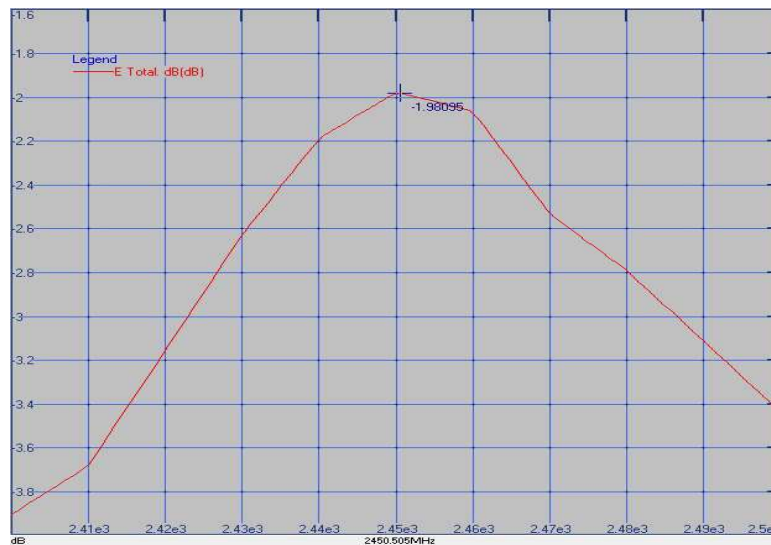
2.1 Return Loss



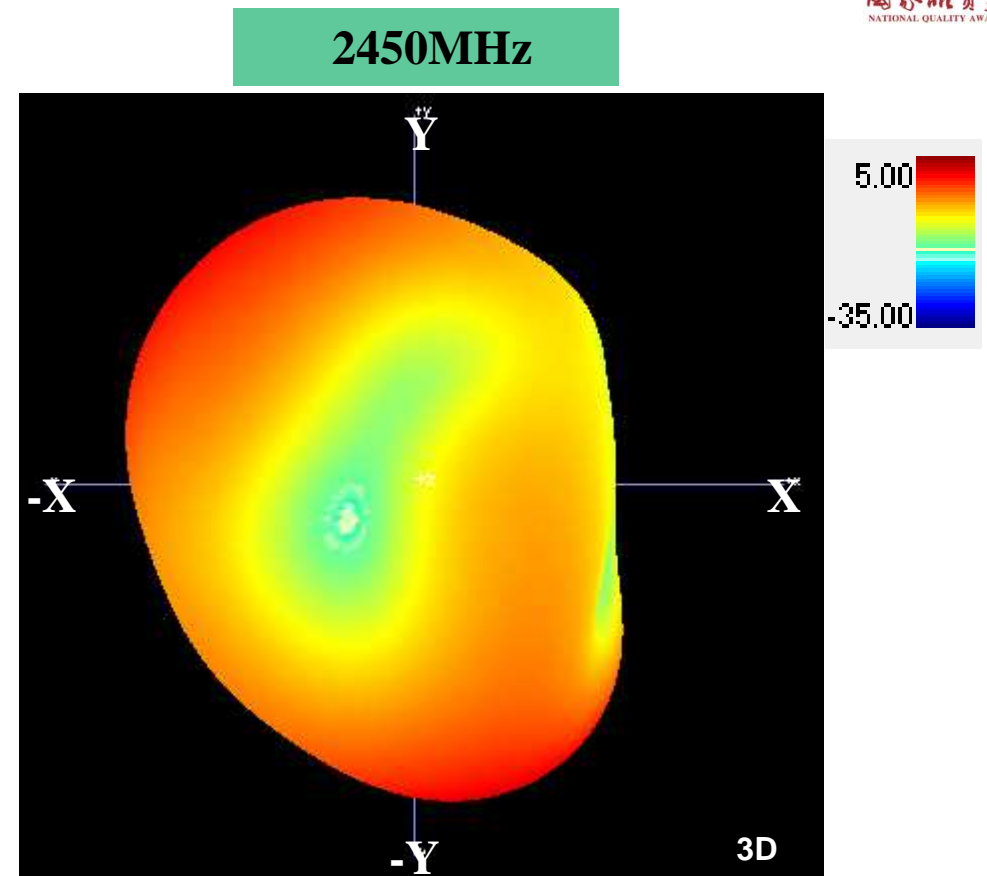
2.2 Antenna Efficiency , Peak Gain and 3D Radiation Pattern



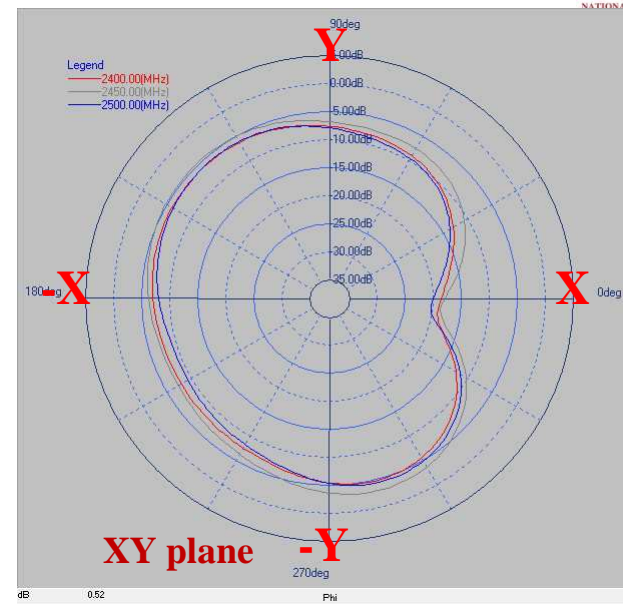
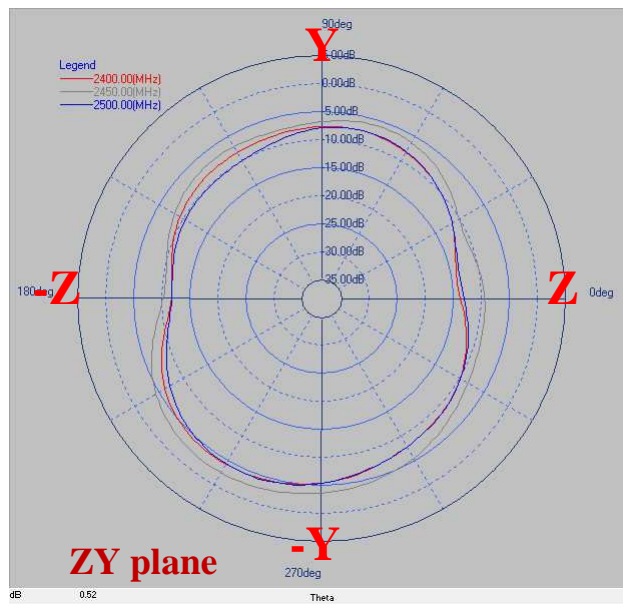
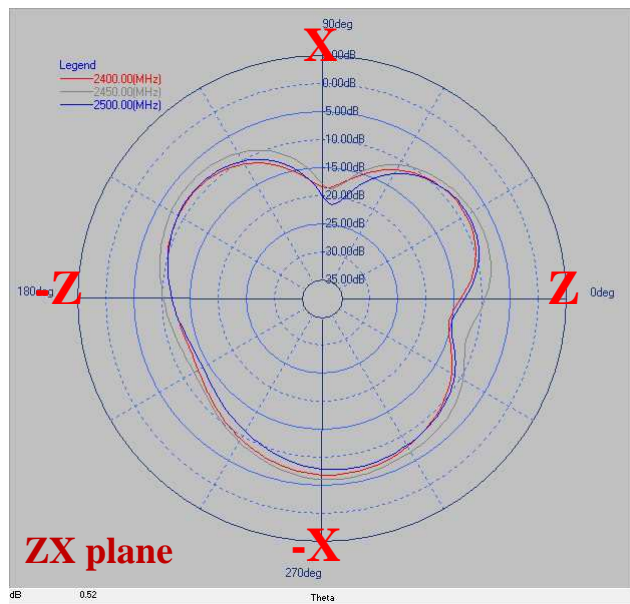
Maximum Efficiency : 20.2 %



Peak Gain : -1.98 dBi



2.3 2D Radiation Patterns



| Frequency [MHz] | ZX plane | | ZY plane | | XY plane | |
|-----------------|----------------|--------------|----------------|--------------|----------------|--------------|
| | Max Value [dB] | Average [dB] | Max Value [dB] | Average [dB] | Max Value [dB] | Average [dB] |
| 2400 | -6.93 | -10.35 | -4.34 | -8.03 | -4.96 | -7.86 |
| 2450 | -6.08 | -8.92 | -2.58 | -6.29 | -3.11 | -6.49 |
| 2500 | -7.72 | -10.62 | -4.40 | -8.32 | -4.50 | -8.06 |

3. Summary



※此實驗為測試料號為RFECA3216060A1T，測試效率為 20.2%，
Peak Gain為 -1.98 dBi。