



PSA 華科事業群  
PASSIVE SYSTEM ALLIANCE

HannStar  
Board

ITC

HannStar Color  
(Shanghai)

PDC

Nitsuko

Kamaya

WTC

Walton

GBM

PSA  
華科事業群 PASSIVE SYSTEM ALLIANCE

華新科技股份有限公司  
Walsin Technology Corporation

Part No.

創見CP210-Wifi

Authorized By

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Date

2017 / 03 / 01

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

# OUTLINE



## 1. Measurement Information

### 1.1 Experimental Setup

### 1.2 Matching Circuit

## 2. Antenna Characteristics

### 2.1 Return Loss

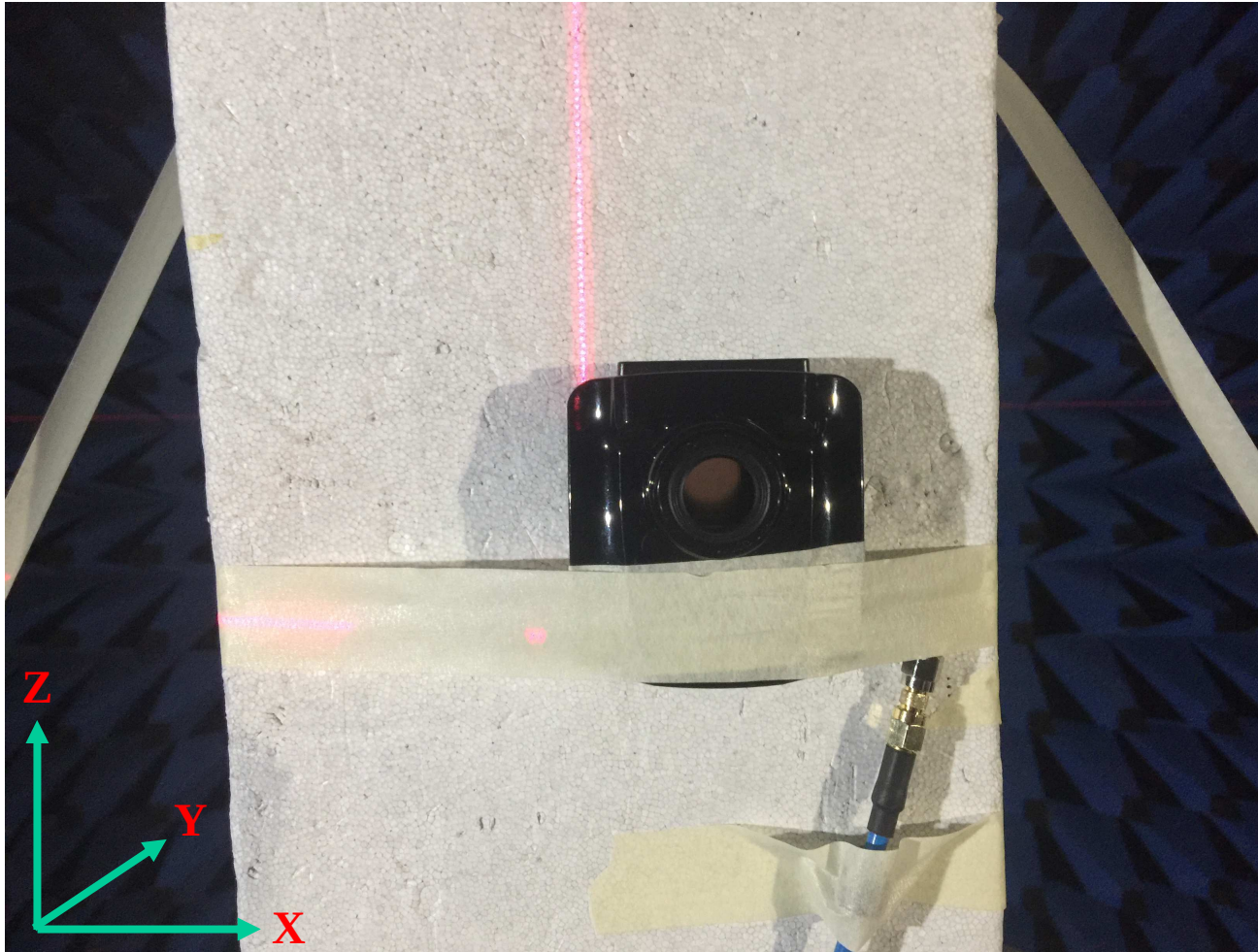
### 2.2 Antenna Efficiency , Peak Gain and 3D Radiation Pattern

### 2.3 2D Radiation Patterns

## 3. Summary

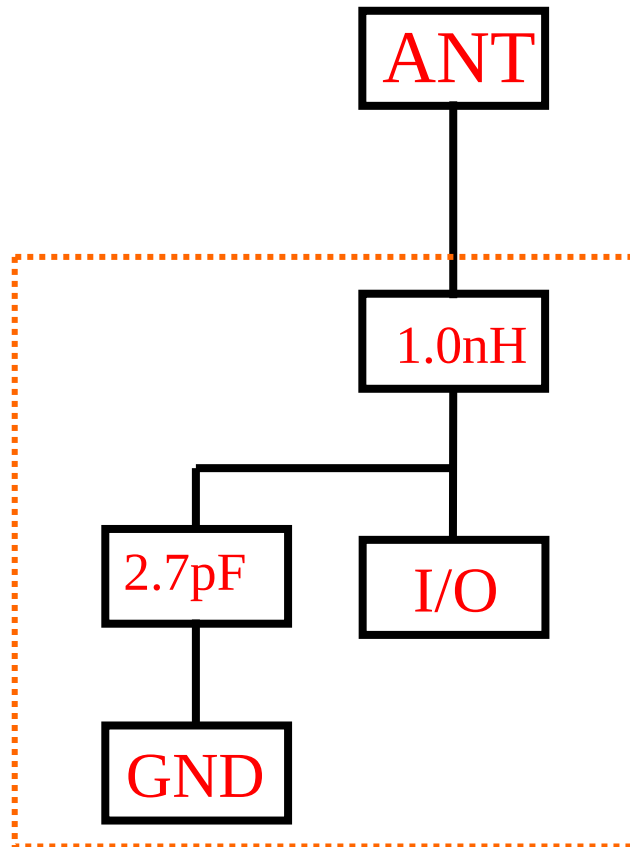
# 1. Measurement Information

## 1.1 Experimental Setup



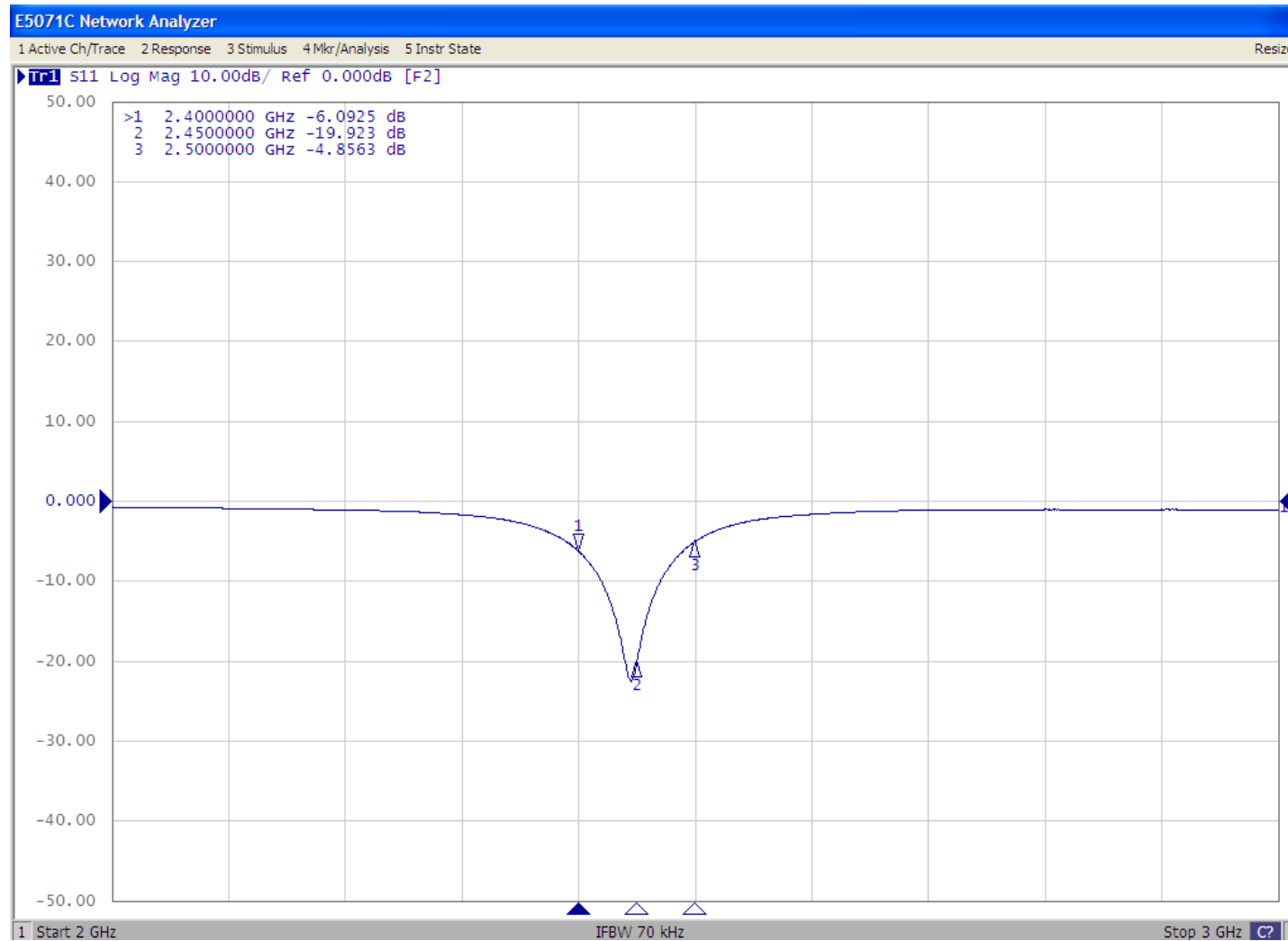
## 1. Measurement Information

### 1.2 Matching Circuit

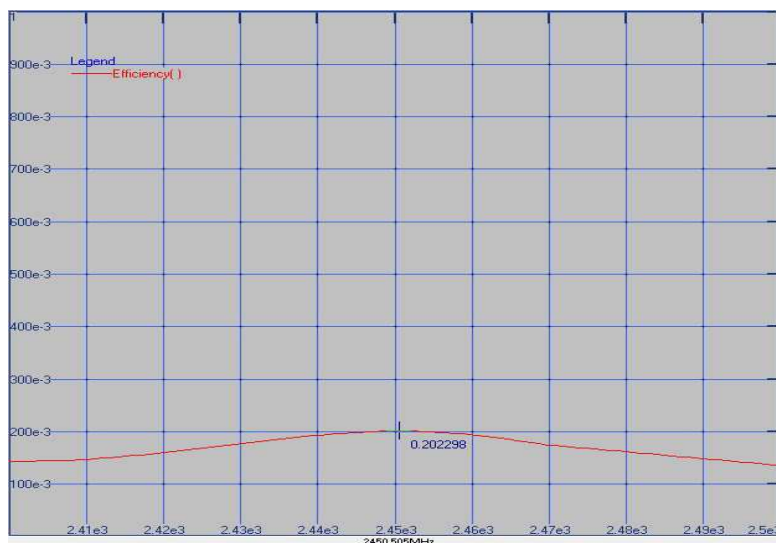


## 2. Antenna Characteristics

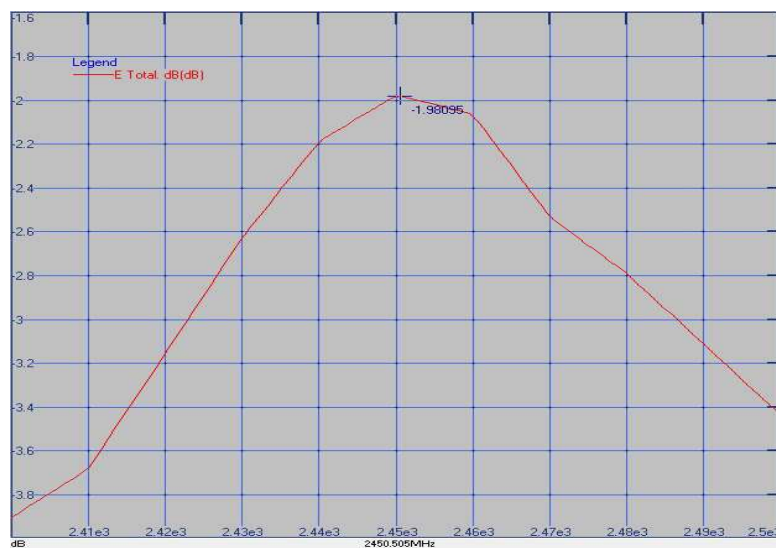
### 2.1 Return Loss



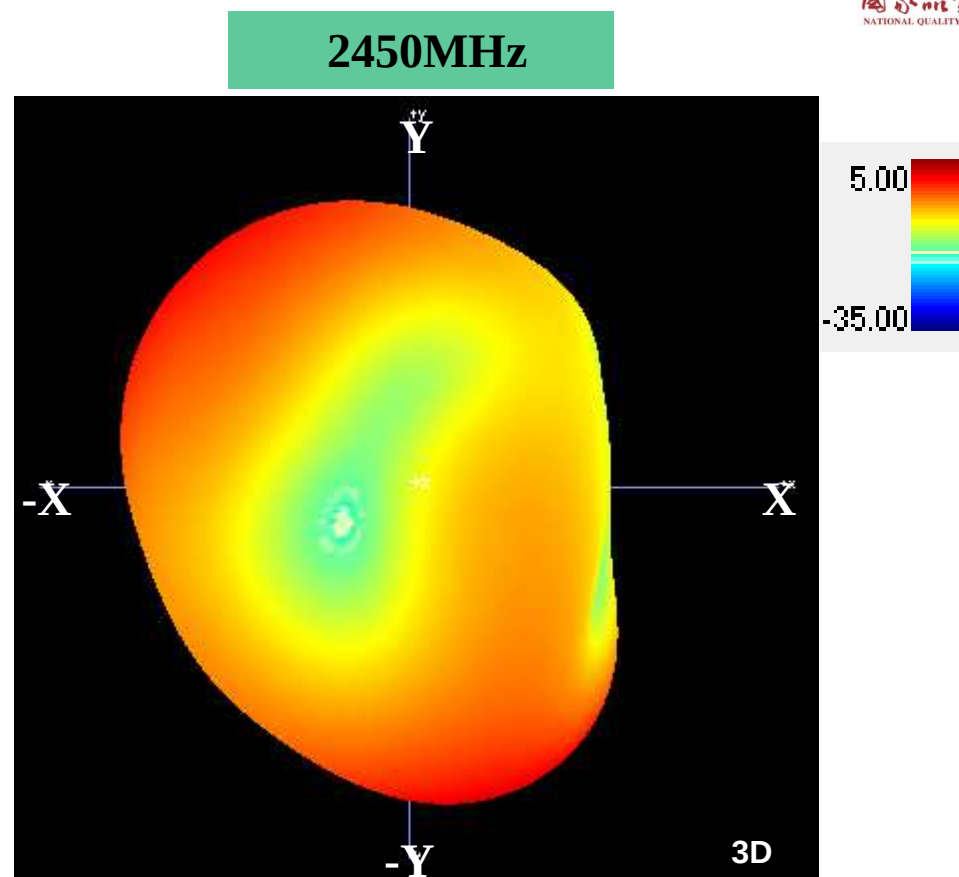
## 2.2 Antenna Efficiency , Peak Gain and 3D Radiation Pattern



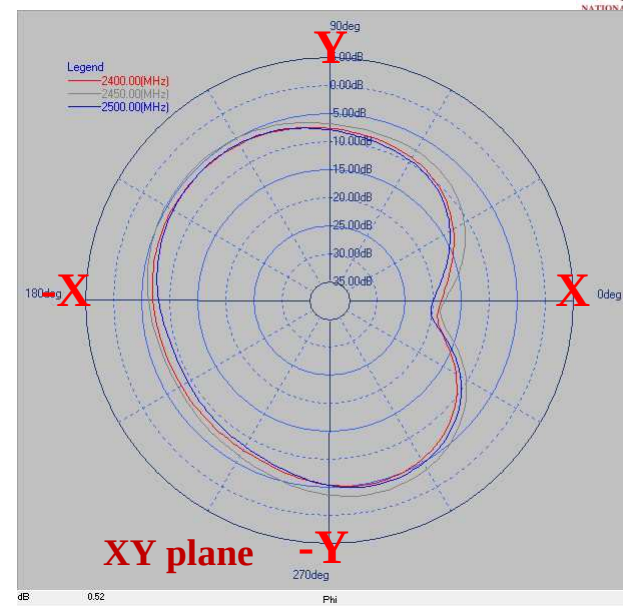
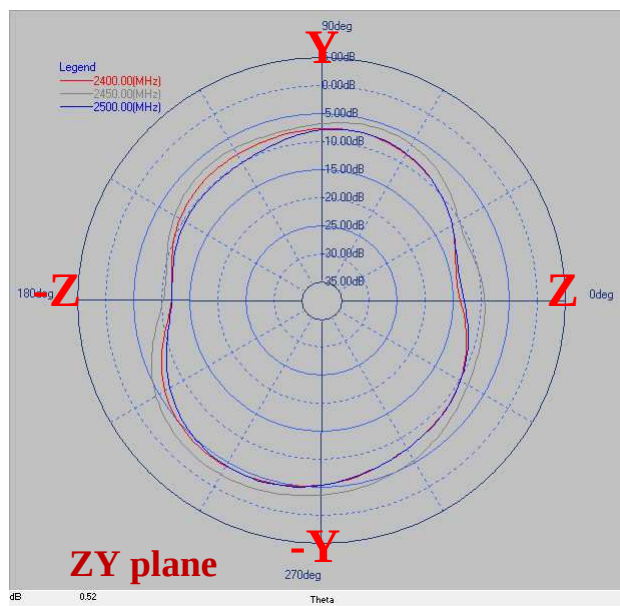
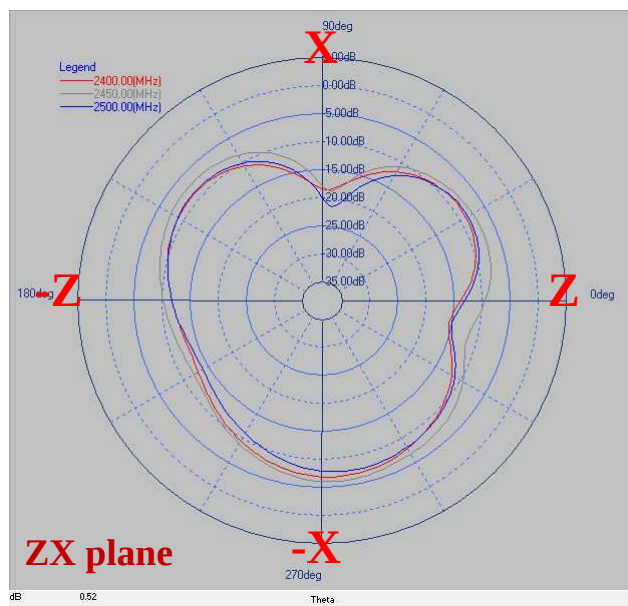
Maximum Efficiency : 20.2 %



Peak Gain : -1.98 dBi



## 2.3 2D Radiation Patterns



|                 | ZX plane       |              | ZY plane       |              | XY plane       |              |
|-----------------|----------------|--------------|----------------|--------------|----------------|--------------|
| Frequency [MHz] | 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**。