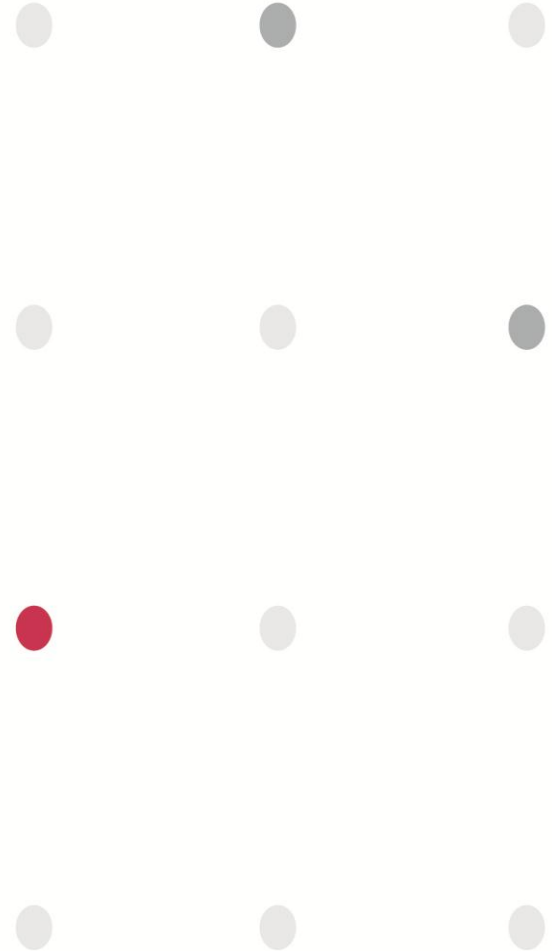


PSA

PASSIVE SYSTEM ALLIANCE
WALSIN TECHNOLOGY CORPORATION



立象

AR-3100(底座)

Presented by

Jimmy

Walsin Technology Corporation

2018/10/12

Version	Date	Description	Author
V01	2018/10/12	New Release	Jimmy

OUTLINE

1. Measurement Information

- 1.1 Experimental Setup
- 1.2 Antenna Solution Detail

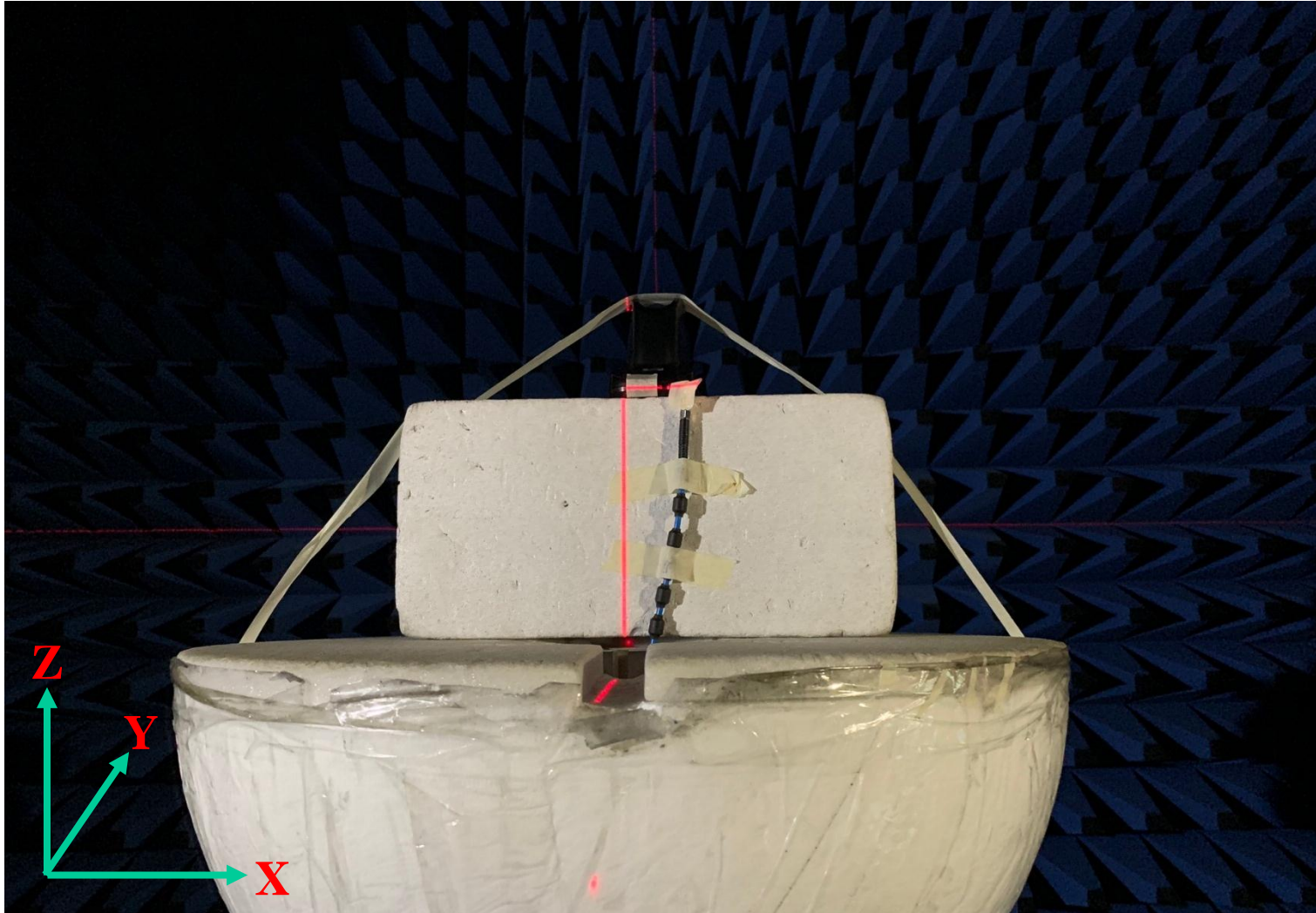
2. Antenna Characteristics

- 2.1 Return Loss
- 2.2 Antenna Efficiency and Peak gain
- 2.3 2D Radiation Patterns

3. Summary

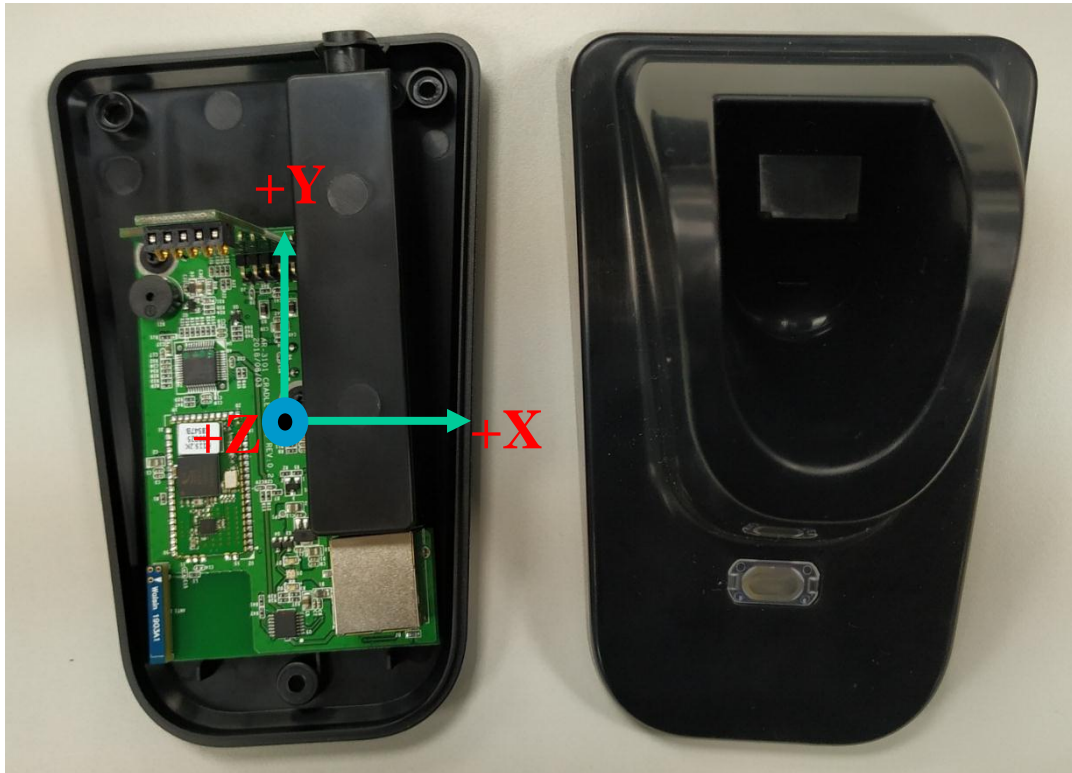
1. Measurement Information

1.1 Experimental Setup

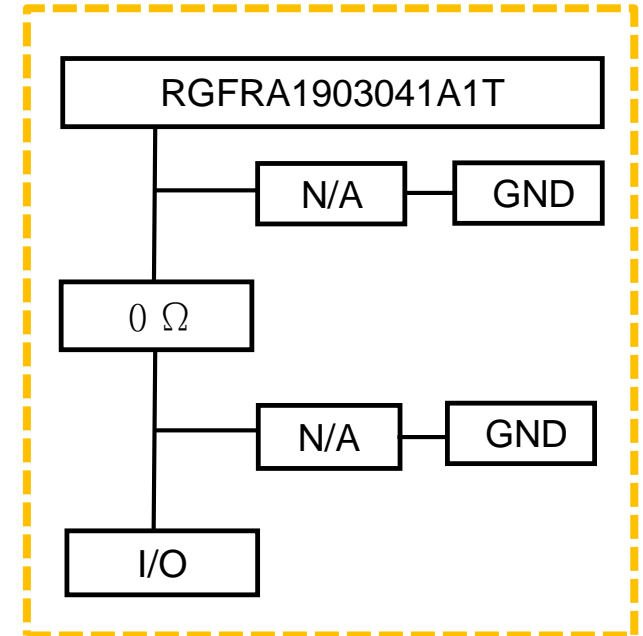


1. Measurement Information

1.2 Antenna Solution Detail (Original)

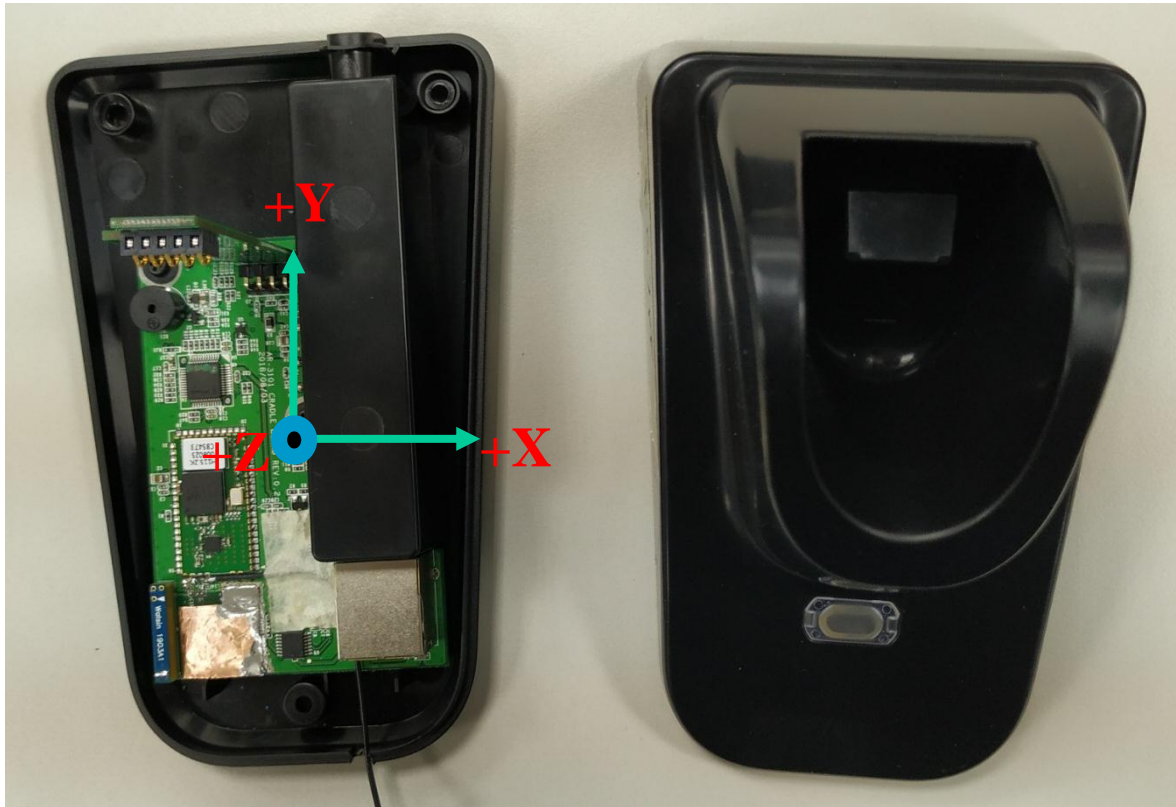


Matching values

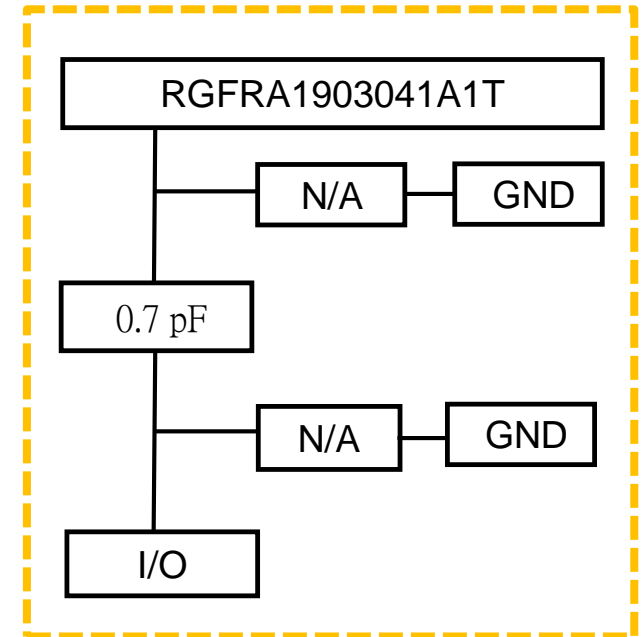


1. Measurement Information

1.2 Antenna Solution Detail (Matching)



Matching values



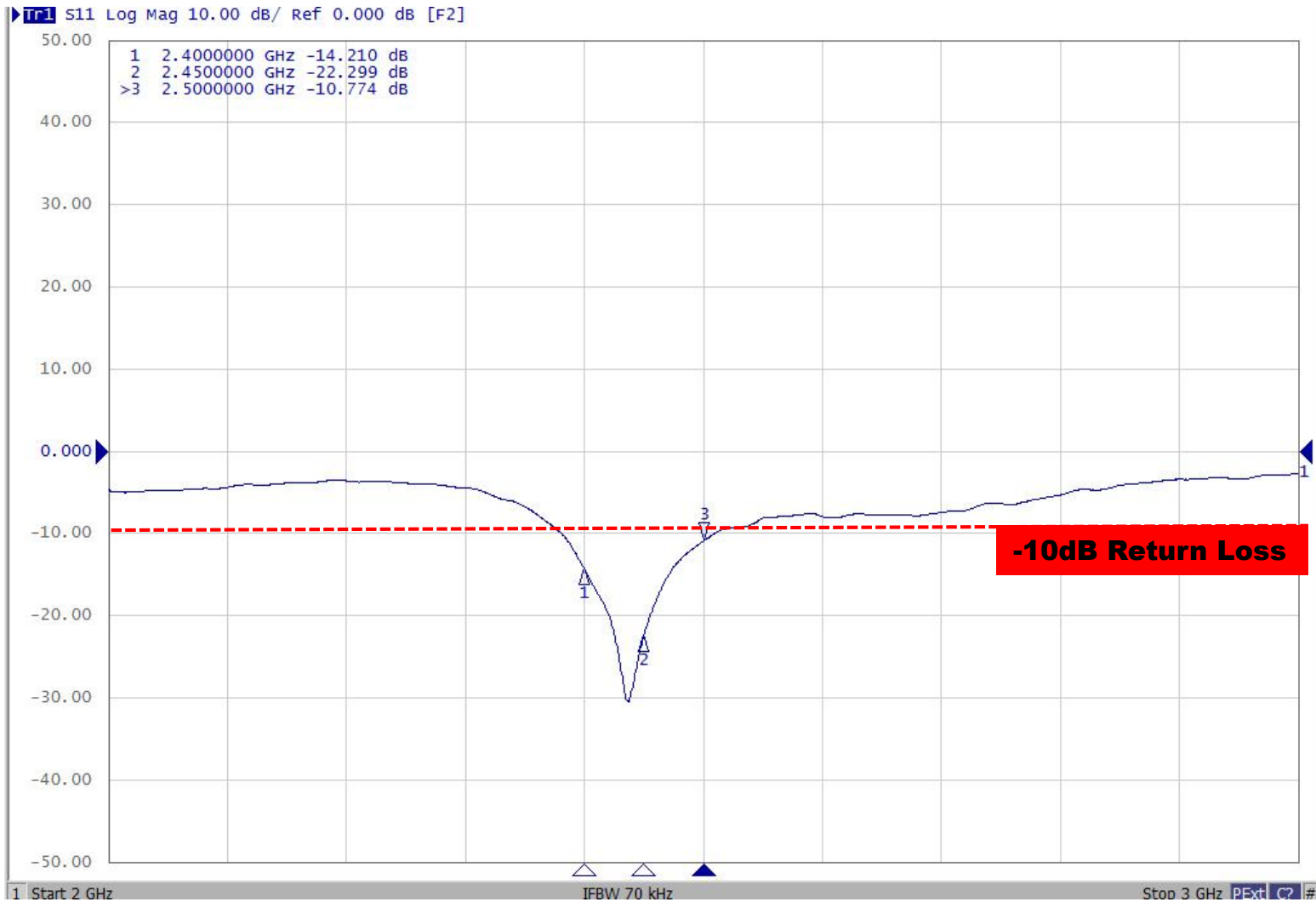
2. Antenna Characteristics

2.1 Return Loss (Original)



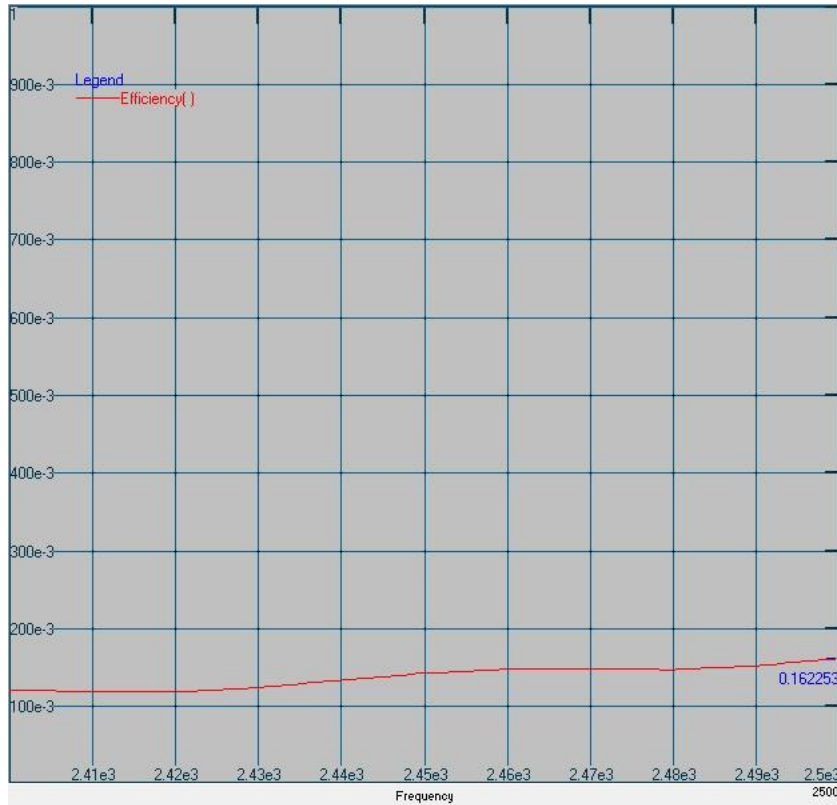
2. Antenna Characteristics

2.1 Return Loss (Matching)

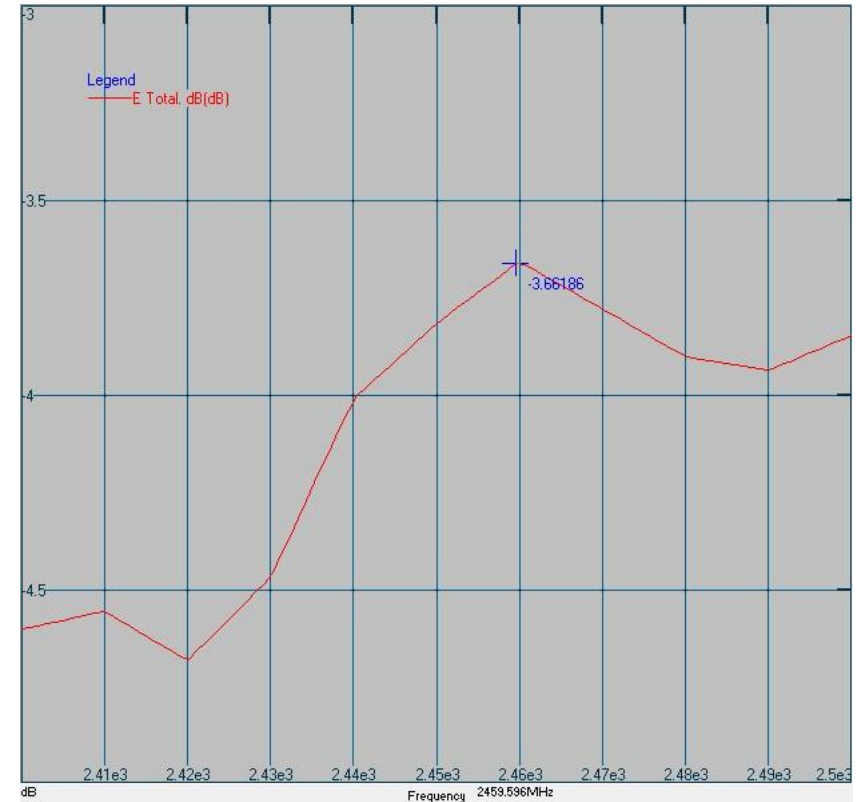


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain (Matching)



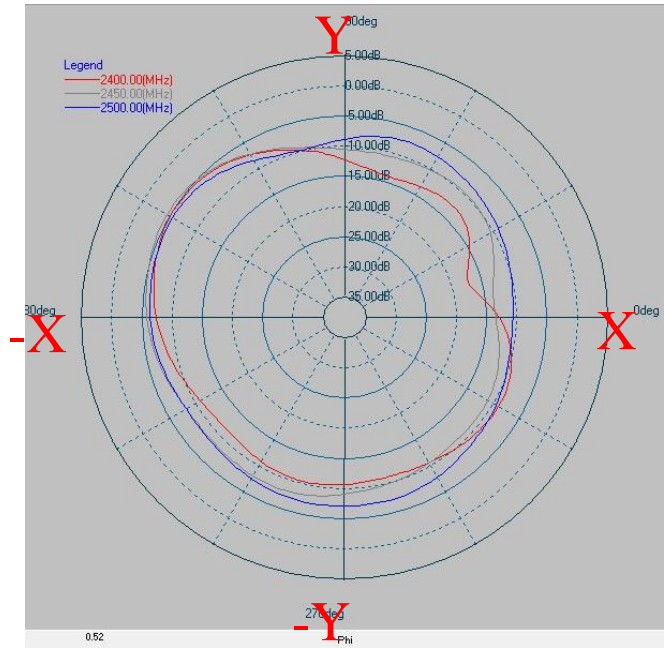
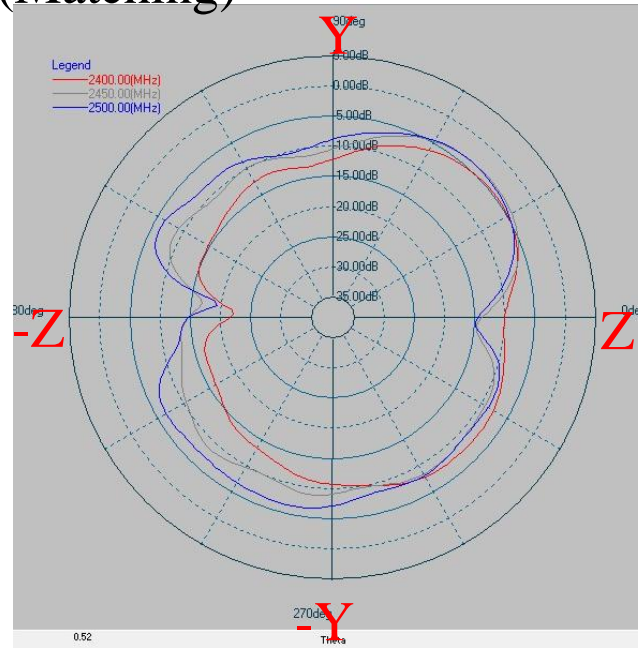
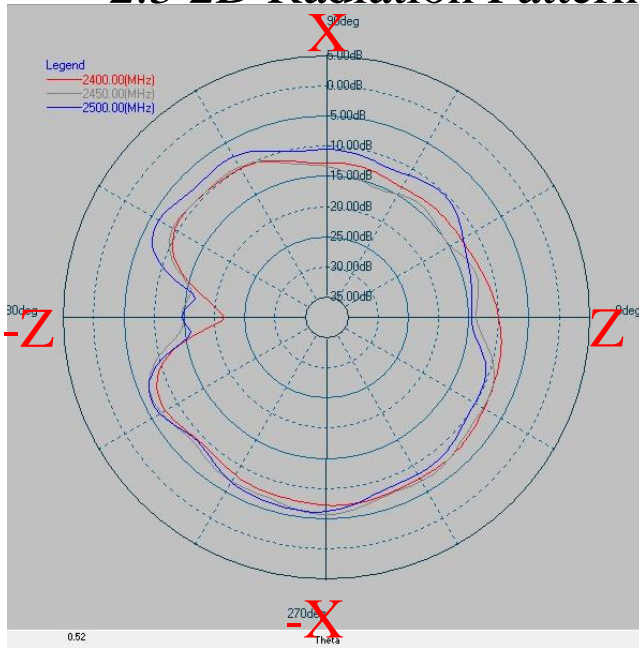
Maximum Efficiency at 2500 MHz : 16 %



Maximum Peak Gain at 2460 MHz : -3.66 dBi

2. Antenna Characteristics

2.3 2D Radiation Patterns (Matching)



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	-7.29	-9.84	-4.78	-9.78	-5.18	-9.64
2450	-5.84	-9.57	-3.83	-8.67	-4.62	-8.53
2500	-6.20	-9.19	-3.95	-7.74	-5.60	-7.94

3. Summary

- The performance of antennas is shown in table

測試結果為原始layout及黏貼銅箔優化後的量測結果,若layout可變更的情況下,建議提供貴司layout(dxf)供我司進行微調,微調後我司會提供特性更佳的layout供貴司參考。

	Maximum Efficiency (%)	Peak Gain (dB)
ANT(Matching)	16	-3.66

Thank you

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