



AUGi_Sense

EVT3 ANTENNA TEST REPORT

Product Name	AUGi Sense
Applicant	Innocomm
Manufacturer	Innocomm
Test site	Innocomm
Model	Sense
Antenna type	BLE_IFA
Address	1F, No.6, Hsin Ann Rd., Hsinchu Science Park, Hsinchu 30078, Taiwan

Approved by	Reviewed by	Issued by
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1. INTRODUCTION

1.1 TEST EQUIPMENT

Passive Test:

Network Analyzer: R/S ZVB8 (9KHz ~ 8.5GHz)

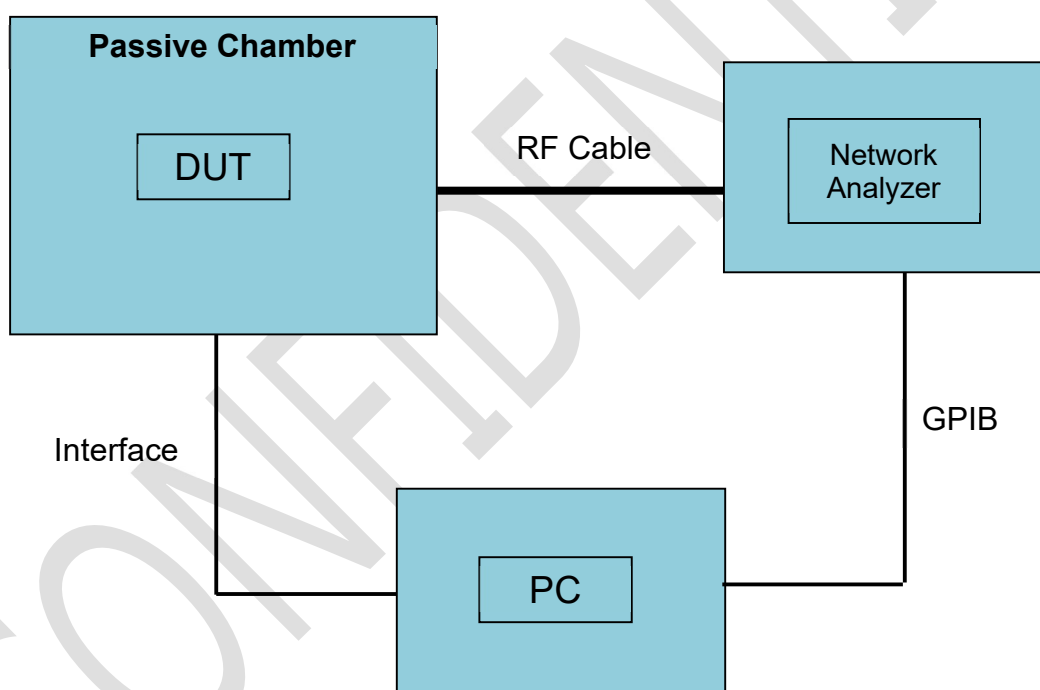
Passive Chamber: Atenlab OTA 200

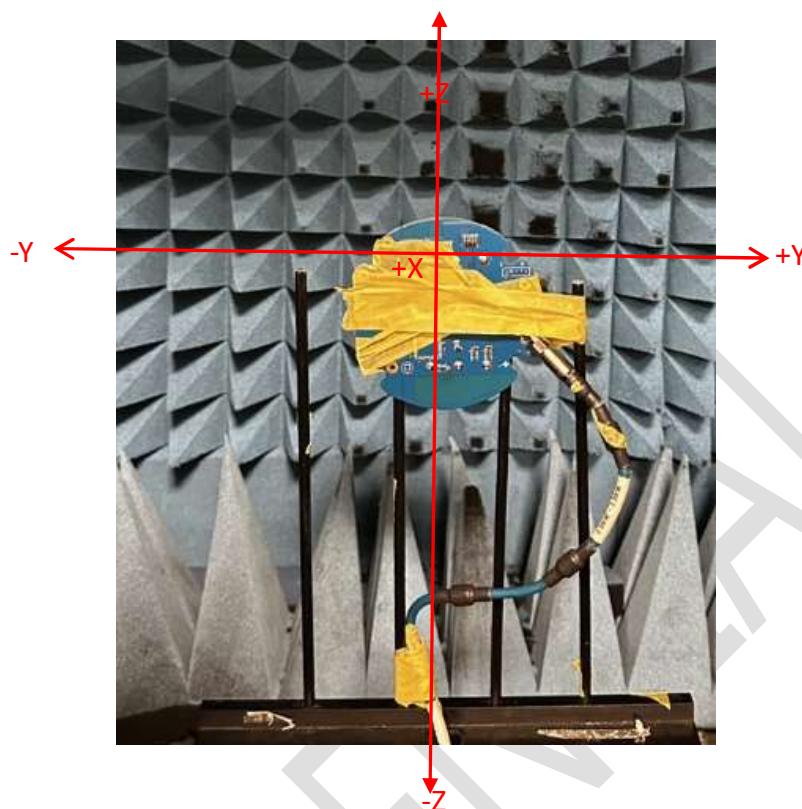
1.2 TEST CONDITION

Support Band: BLE_2402MHz~2480MHz

Temperature: 25°C

1.3 TEST SETUP





2. PASSIVE PERFORMANCE TEST

2.1 AVERAGE EFFICIENCY/ PEAK GAIN

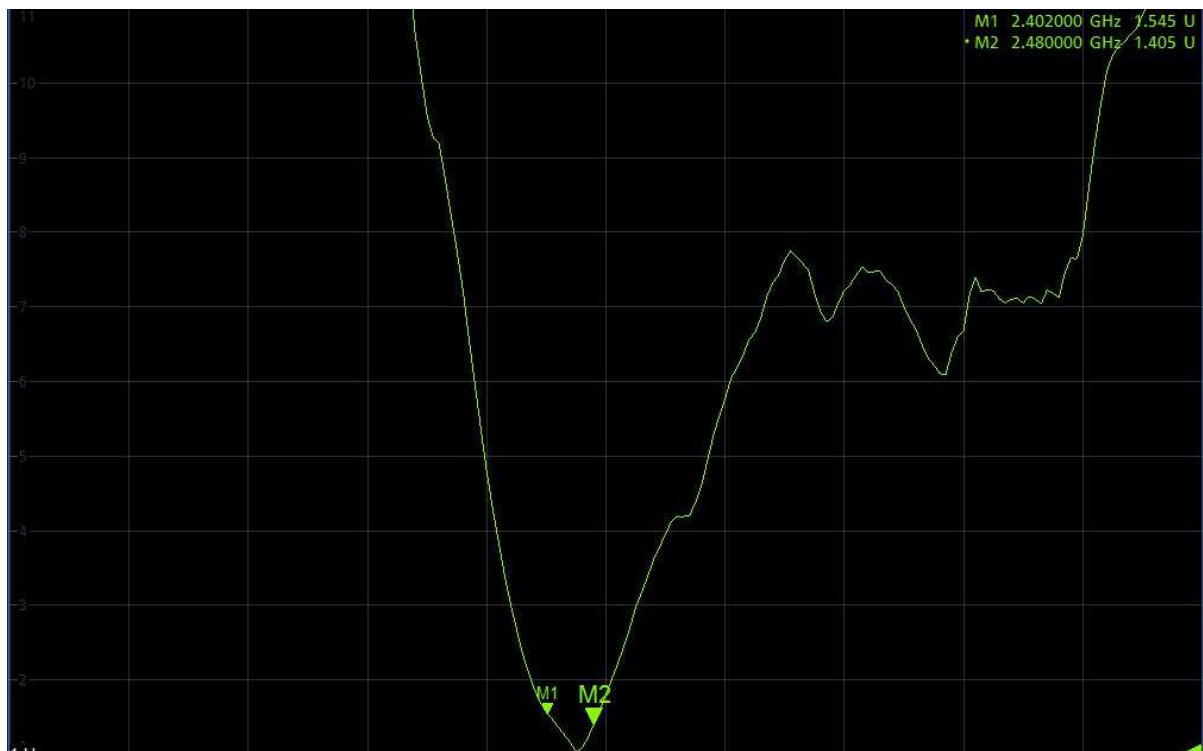
Frequency (MHz)	Average efficiency (%)	Average Gain (dBi)	Peak Gain (dBi)
BLE	73.63	-1.33	4.34

2.2 3D GAIN OF FREE SPACE (AVERAGE)

Frequency (MHz)	AUGi_Sense		
	Frequency (MHz)	Gain (dBi)	Efficiency %
BLE	2402MHz	-1.45	71.61
	2441MHz	-1.23	75.34
	2480MHz	-1.31	73.96

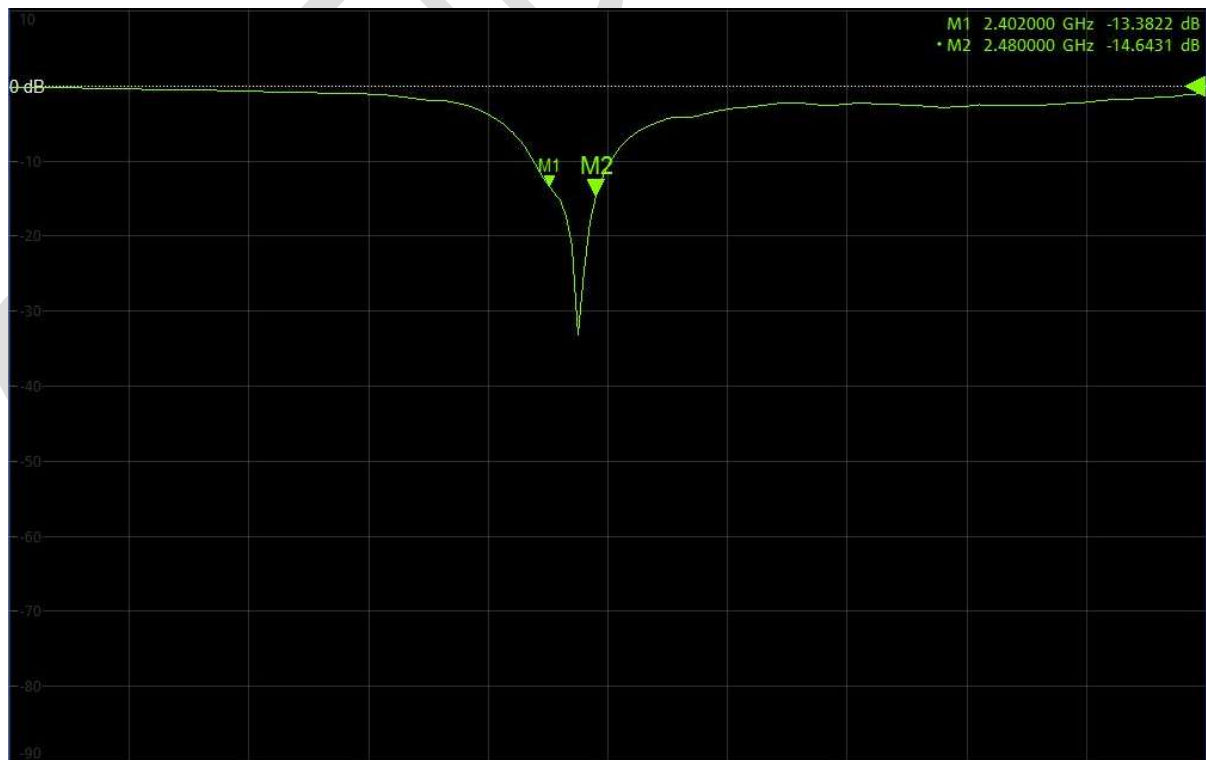
2.3 VSWR MEASUREMENT

BLE



2.4 RETURN LOSS

BLE

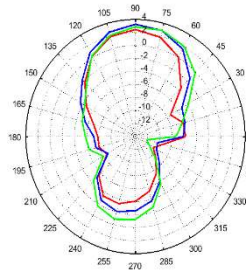


2.5 2D PLOTS

BLE

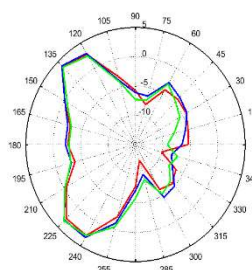
	Color	Freq./Chan.
1	Red	2.402GHz
2	Blue	2.441GHz
3	Green	2.48GHz

Total_Polar Graph_H_XY Plane



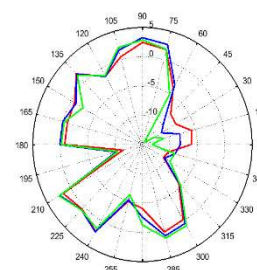
H plane

Total_Polar Graph_E1_XZ Plane



E1 plane

Total_Polar Graph_E2_YZ Plane



E2 plane

2.6 3D PLOTS

BLE_2441MH

