



AUGI_TAG

Antenna PERFORMANCE TEST REPORT

Product Name	AUGI
Applicant	Innocomm
Manufacturer	Innocomm
Test site	Innocomm
Model	TAG
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:

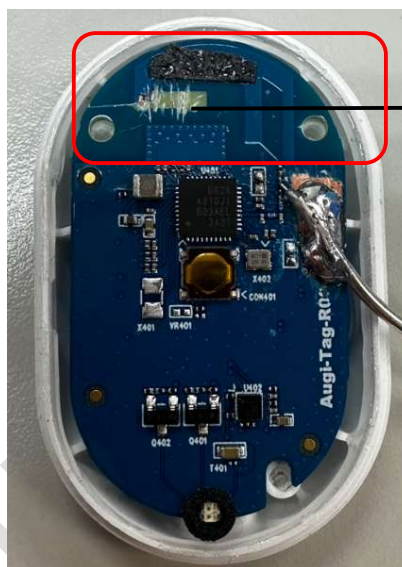
Network Analyzer: R/S ZVB8 (9KHz ~ 8.5GHz)

Passive Chamber: Atenlab OTA 200

1.2 TEST SAMPLE

Quantity: 1

EVT



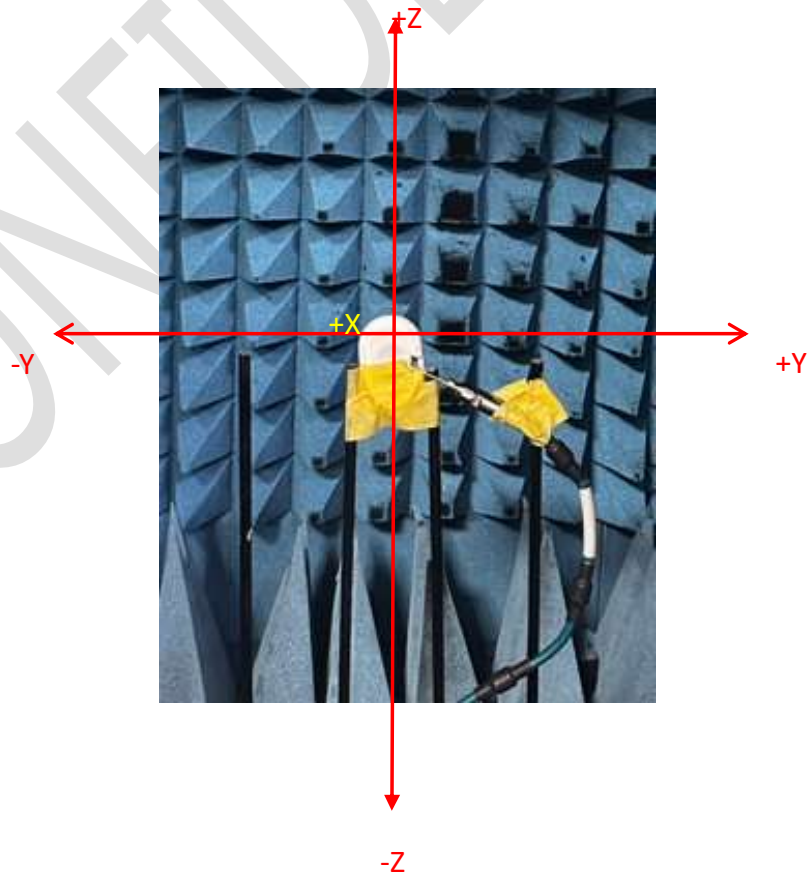
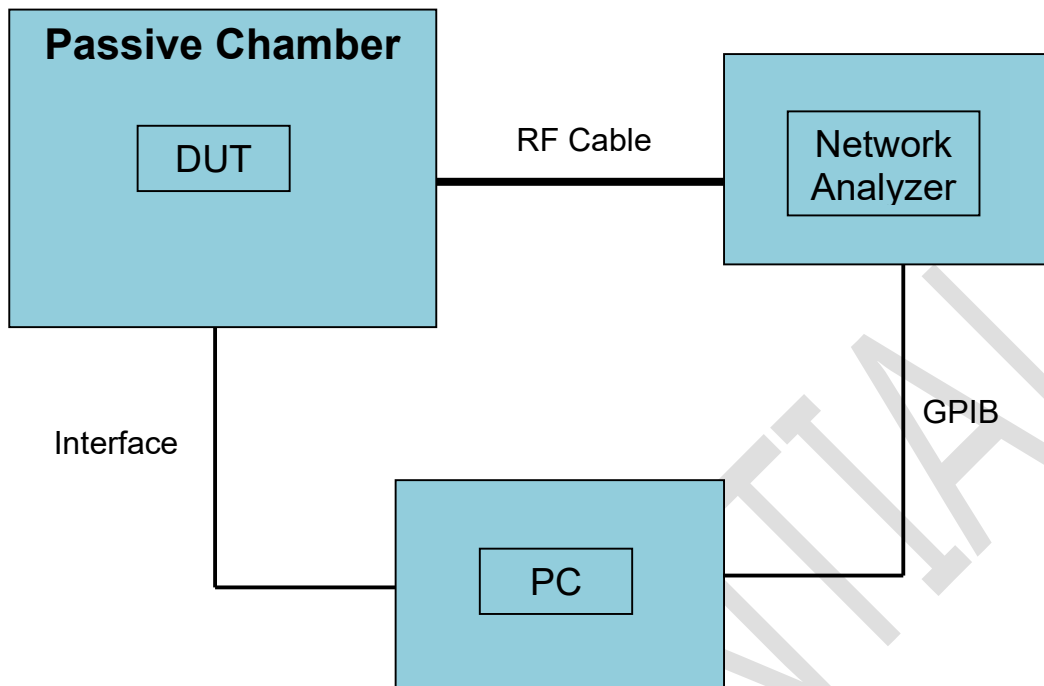
BLE

1.3 TEST CONDITION

Support Band: BLE_2402MHz~2480MHz

Temperature: 25°C

1.4 TEST SETUP



2. PASSIVE PERFORMANCE TEST

2.1 AVERAGE EFFICIENCY/ PEAK GAIN

Frequency (MHz)	Average efficiency (%)	Average Gain (dBi)	Peak Gain (dBi)
BLE	66.78	-1.75	2.01

2.2 3D GAIN OF FREE SPACE (AVERAGE)

Frequency (MHz)	AUGI_TAG		
	Frequency (MHz)	Gain (dBi)	Efficiency %
BLE	2402MHz	-1.79	66.22
	2441MHz	-1.65	68.36
	2480MHz	-1.82	65.77

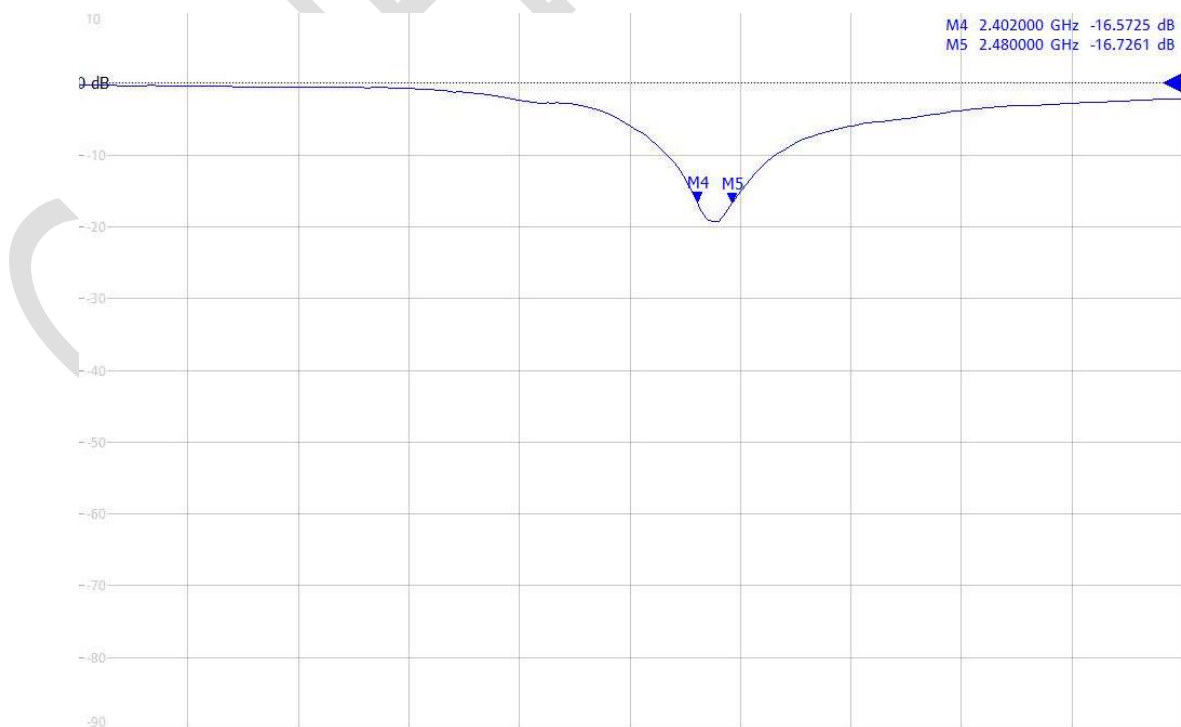
2.3 VSWR MEASUREMENT

BLE



2.4 RETURN LOSS

BLE

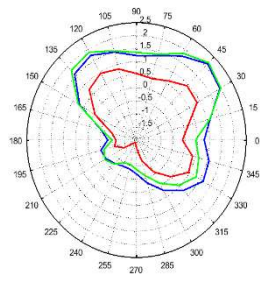


2.5 2D PLOTS

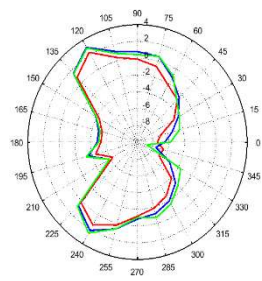
BLE

Color	Freq/Chan.
1	2.402GHz
2	2.441GHz
3	2.480GHz

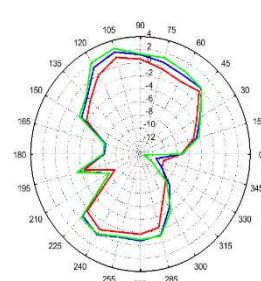
Total_Polar Graph_H_XY Plane



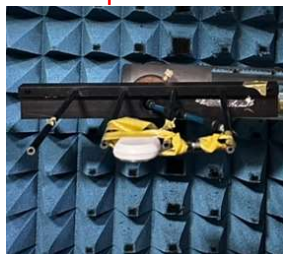
Total_Polar Graph_E1_XZ Plane



Total_Polar Graph_E2_YZ Plane



H plane



E1 plane



E2 plane



BLE_2441MHz

