

# Antenna Measurement Report

<b>Model</b>	:	TUF GAMONG H7 WIRELESS Dongle
<b>Manufacture</b>	:	ASUSTeK COMPUTER INC.
<b>Series Number</b>	:	1930136R(QTKOTAPR01060)
<b>Antenna Type</b>	:	Print on PCB
<b>Date</b>	:	2019/03/26

Test Laboratory:

<b>Name:</b>	Linkou Laboratory
<b>Address:</b>	No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan. R.O.C.
The test results relate only to the samples tested.	

**CONTENT:**

<b>1. General Information</b> .....	3
<b>1.1 Applied Reference Documents</b> .....	3
<b>1.2 Test Setup</b> .....	3
<b>2. Summary</b> .....	4
<b>3. 2D Plots</b> .....	5
<b>4. 3D Plots</b> .....	10
<b>5. EUT Photo</b> .....	11

## 1. General Information

### 1.1 Applied Reference Documents

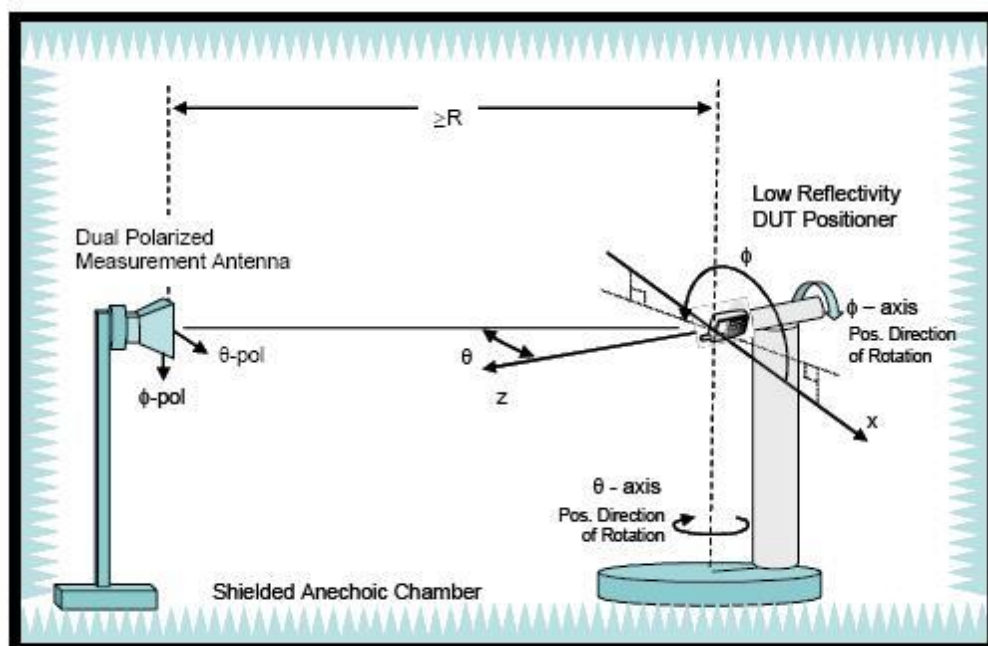
The Equipment Under Test (EUT) has been tested at Linkou Laboratory according to the leading reference document in below table.:

No.	Identity	Document Title	Version/Date
1	Std 149	IEEE Standard Test Procedures for Antenna	1979

### 1.2 Test Setup

EUT coordinate systems of the previous sections will apply independent of the physical orientations of the EUT inside the chamber.

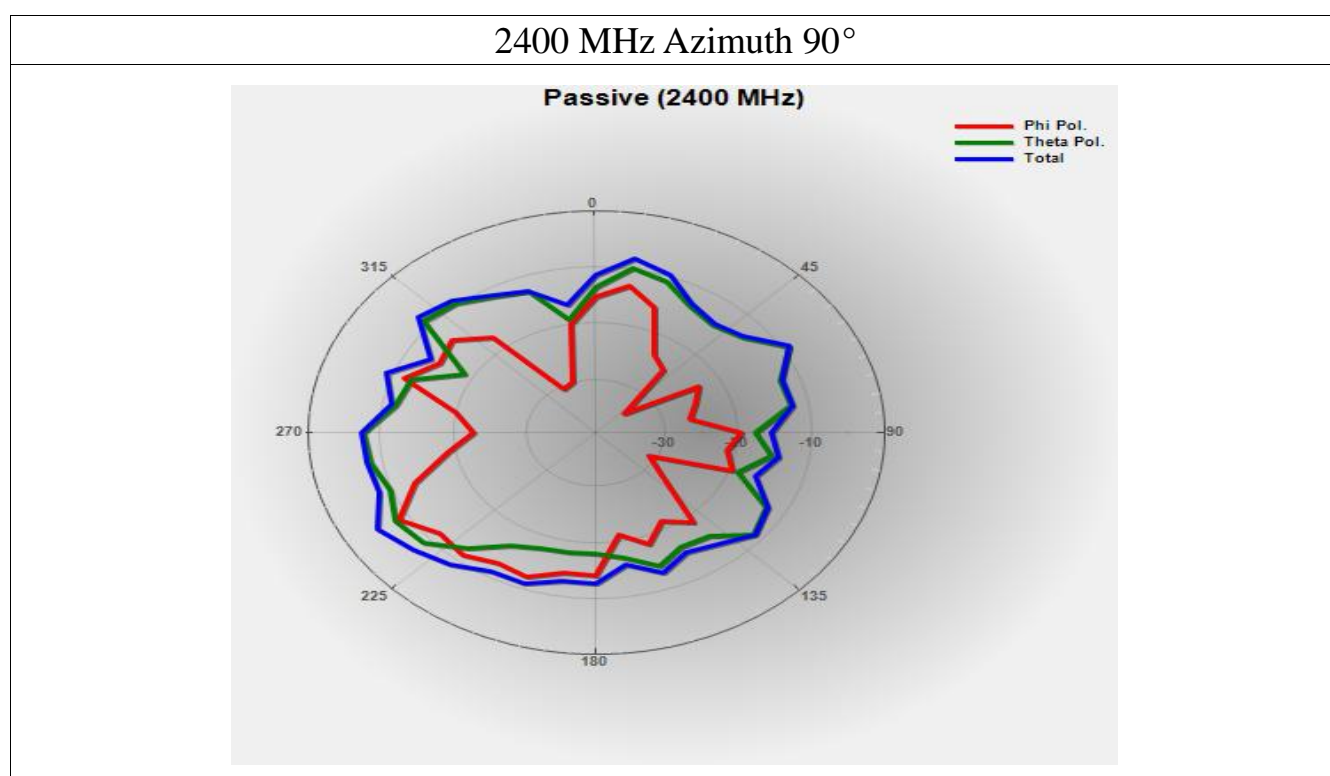
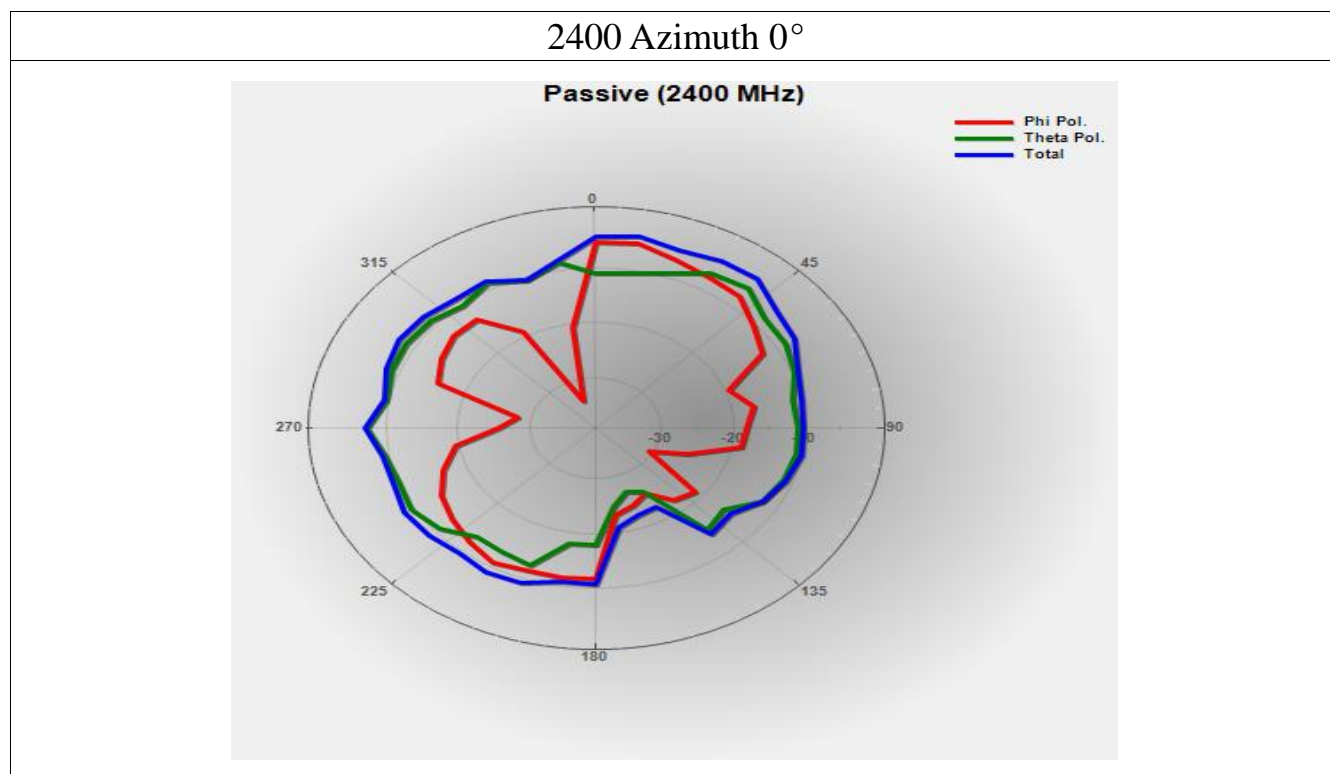
The figure shows the typical setup using a combined axis system. In addition to the pictured Theta axis rotation, the EUT will have to be rotated about the Z-axis (Phi rotation) in order to perform the full spherical scans.



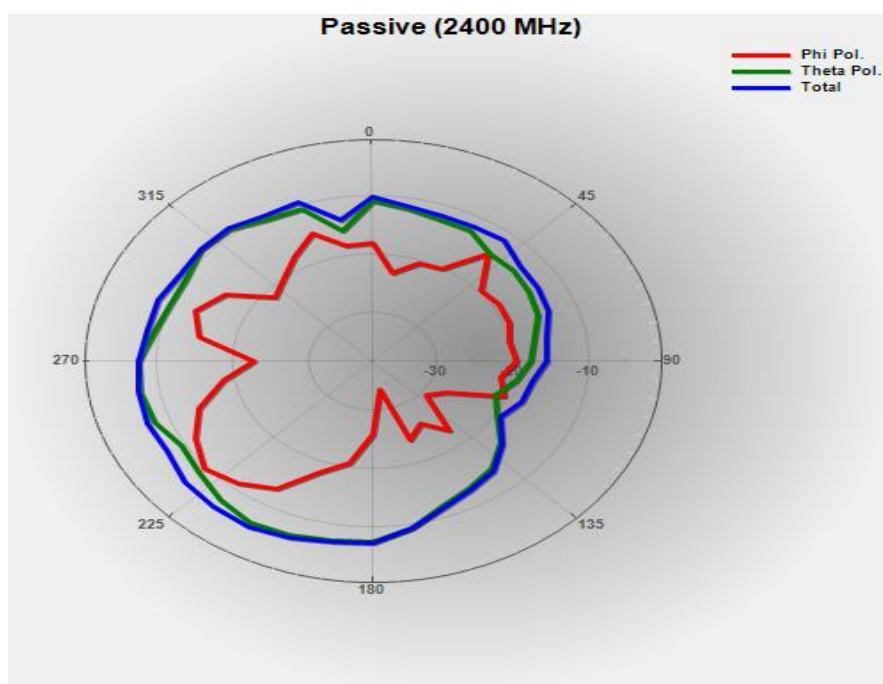
## 2. Summary

Frequency (MHz)	Summary Max power (db)	Summary Min power (db)	Summary Passive (db)	Summary NHPRP+/- 45 deg (db)	Summary NHPRP+/- 30 deg (db)	Summary UHRP 0 ~ 90 deg (db)	Summary PRP 0 ~ 120 deg (db)	Directivity (dBi)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-3.71	-23.65	-9.57	-11.10	-12.55	-12.24	-10.59	5.86	-9.57	11.05	-3.71
2450	-5.16	-29.93	-11.08	-12.50	-13.76	-13.66	-11.88	5.93	-11.08	7.79	-5.16
2500	-5.21	-26.98	-11.47	-13.01	-14.26	-13.89	-12.25	6.26	-11.47	7.13	-5.21

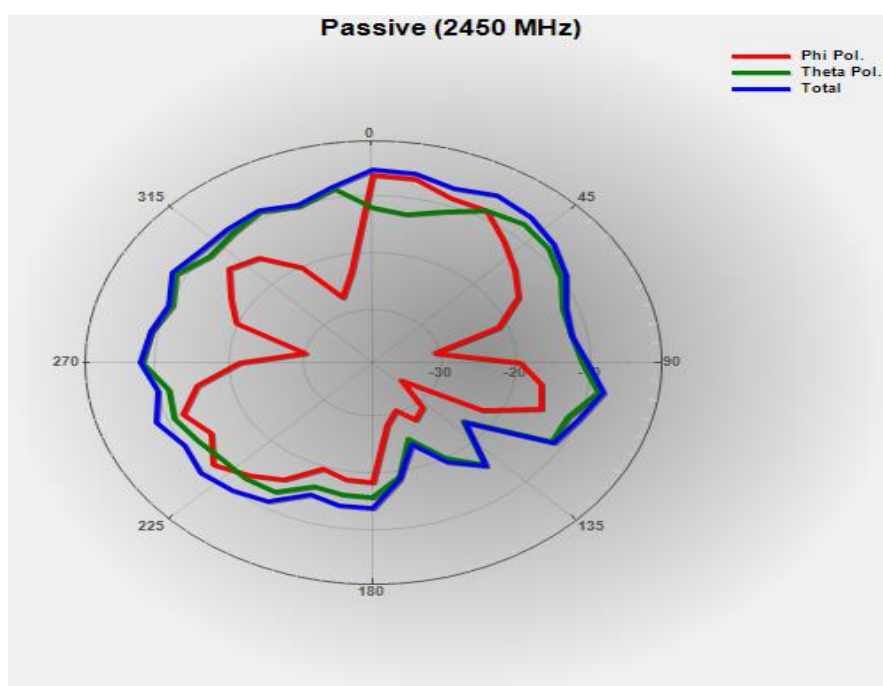
### 3. 2D Plots



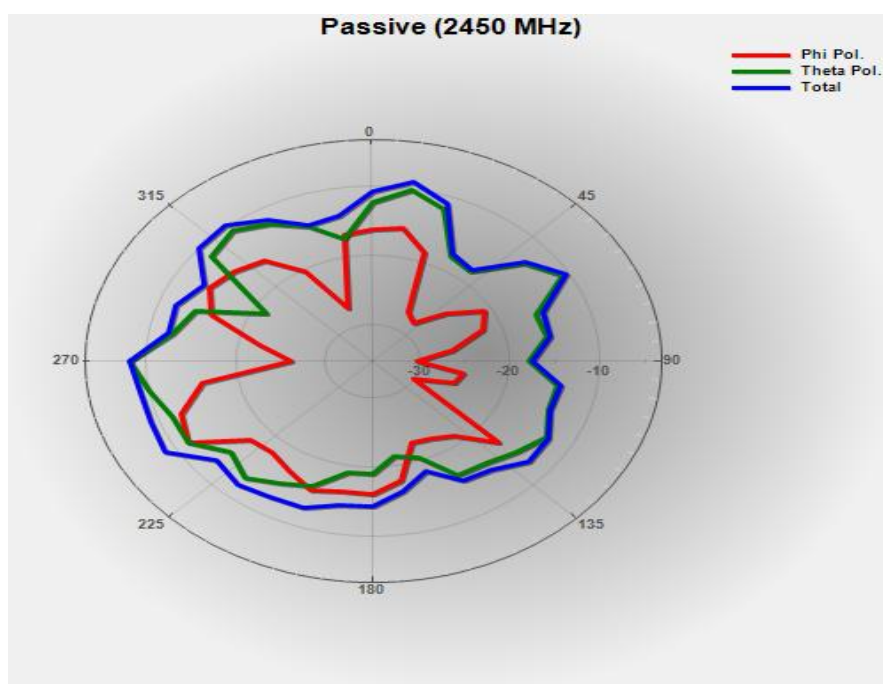
### 2400 MHz H-Plane (Elevation 90°)



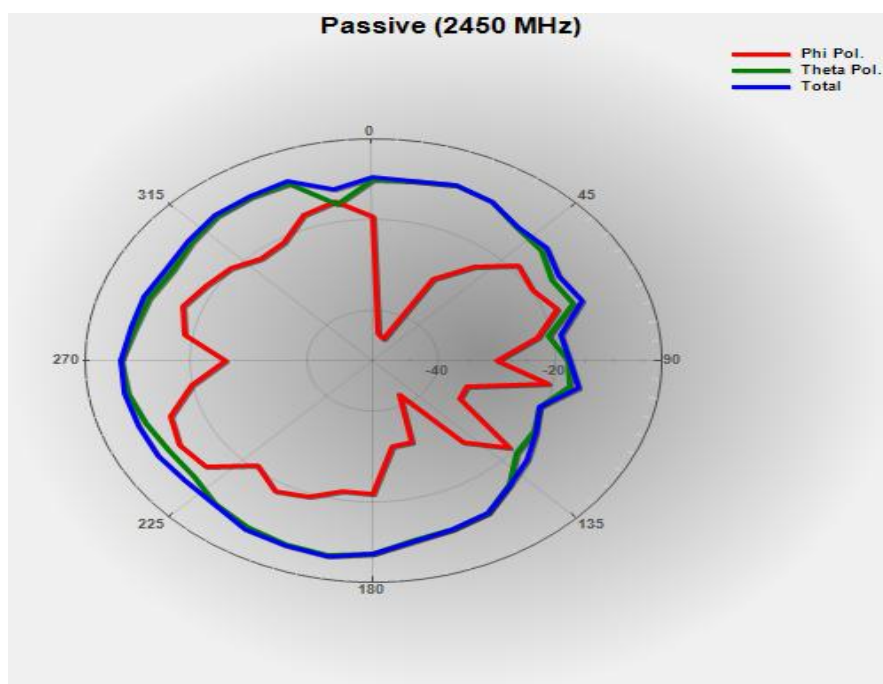
### 2450 Azimuth 0°



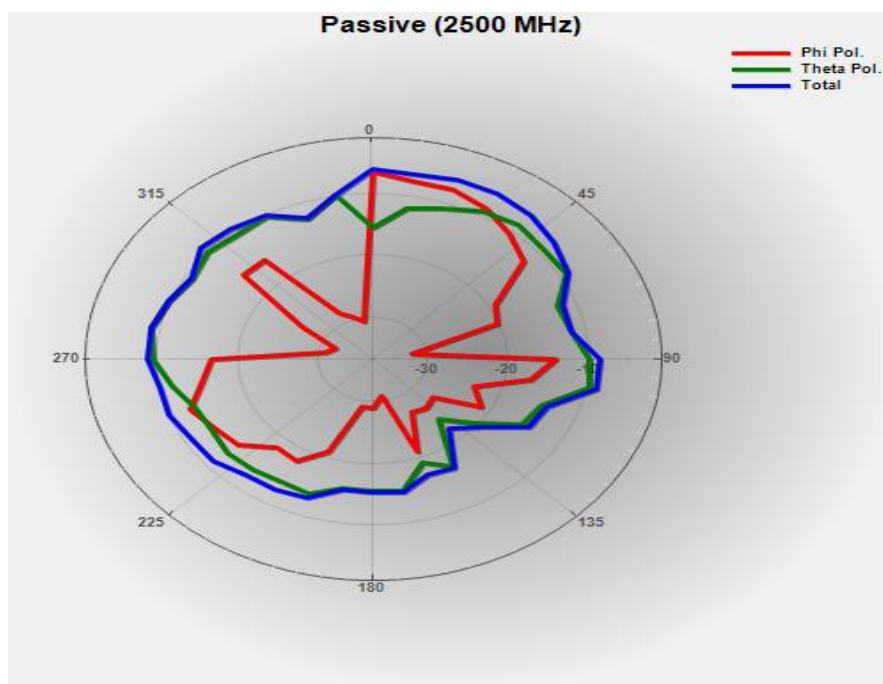
### 2450 MHz Azimuth 90°



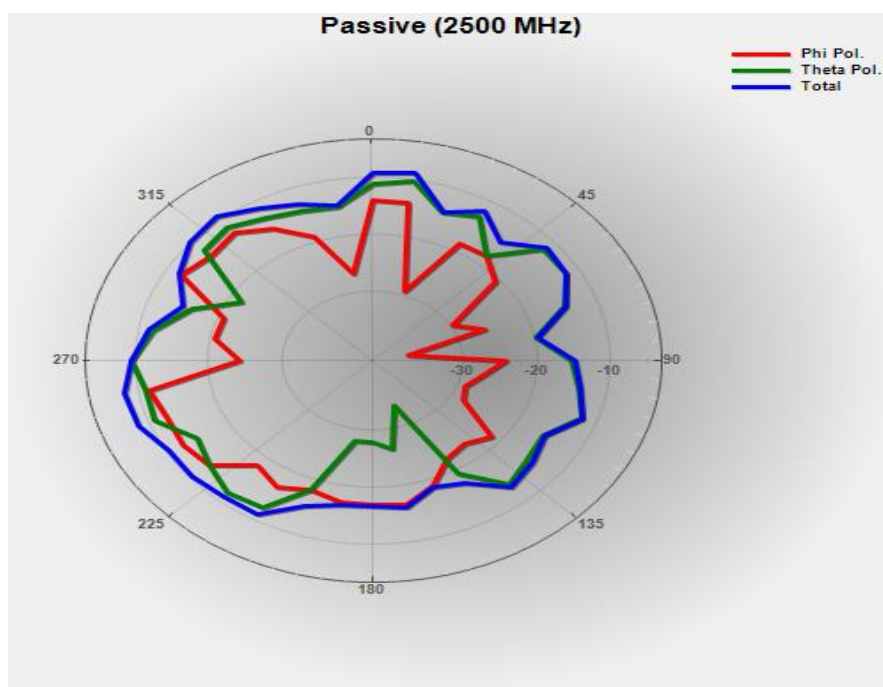
### 2450 MHz H-Plane (Elevation 90°)



### 2500 Azimuth 0°

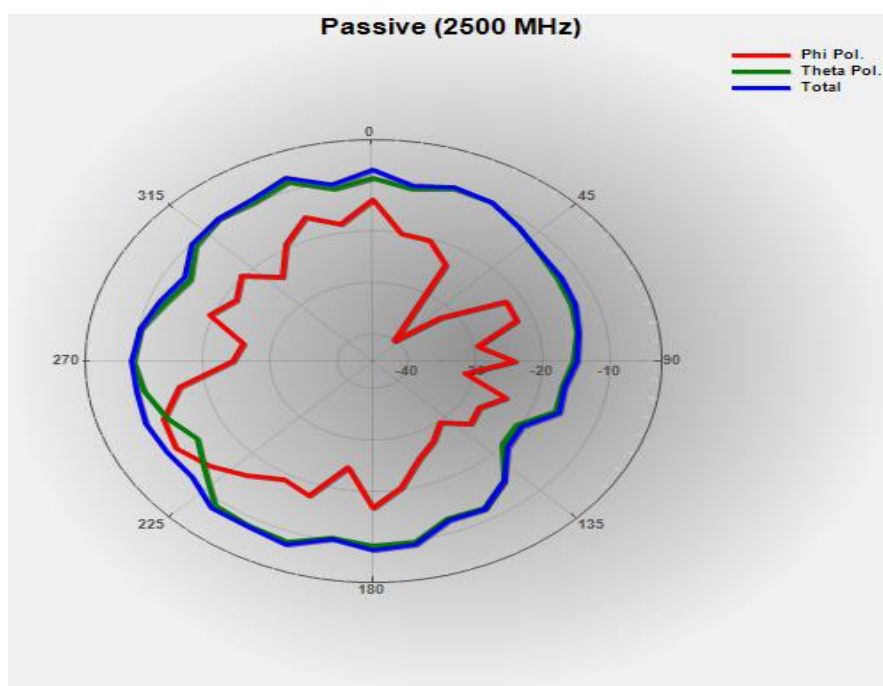


### 2500 MHz Azimuth 90°

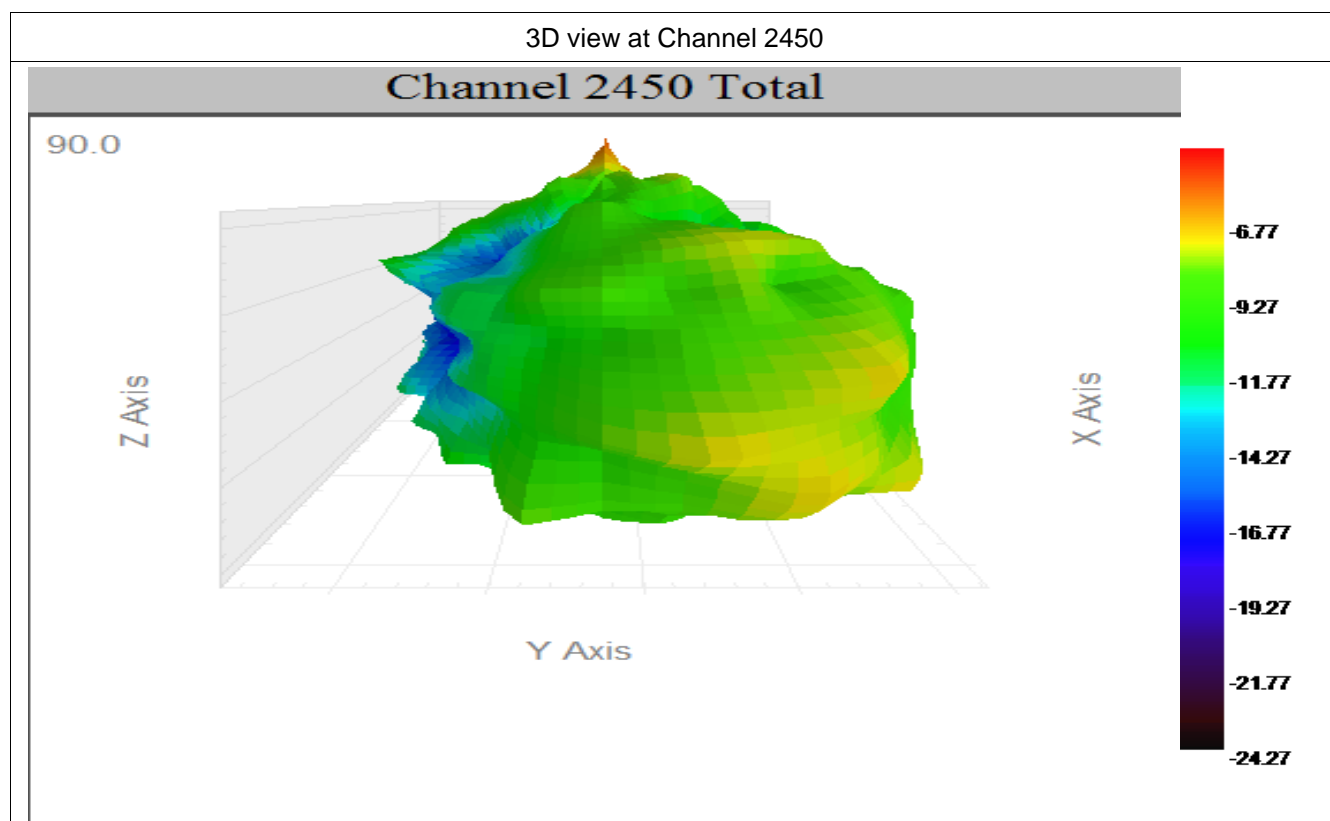
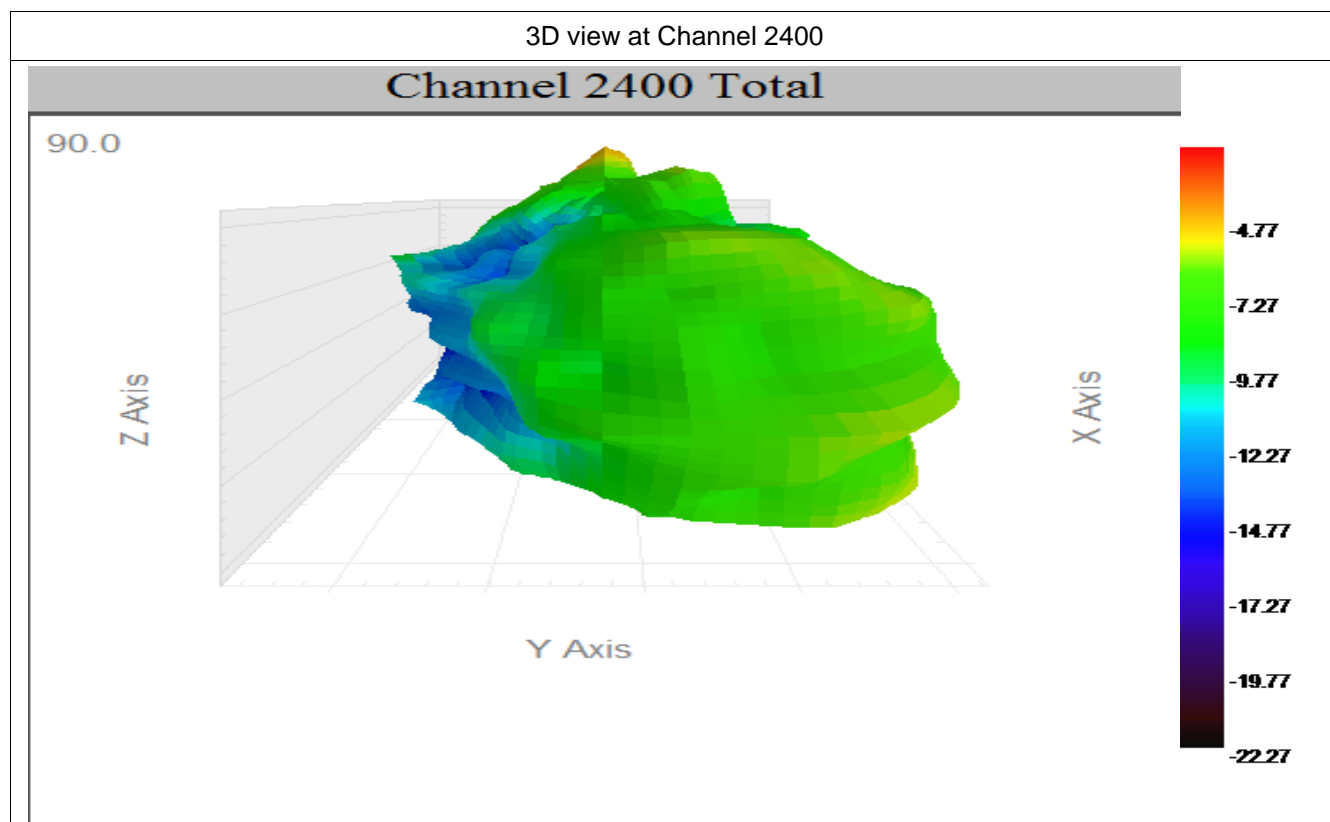


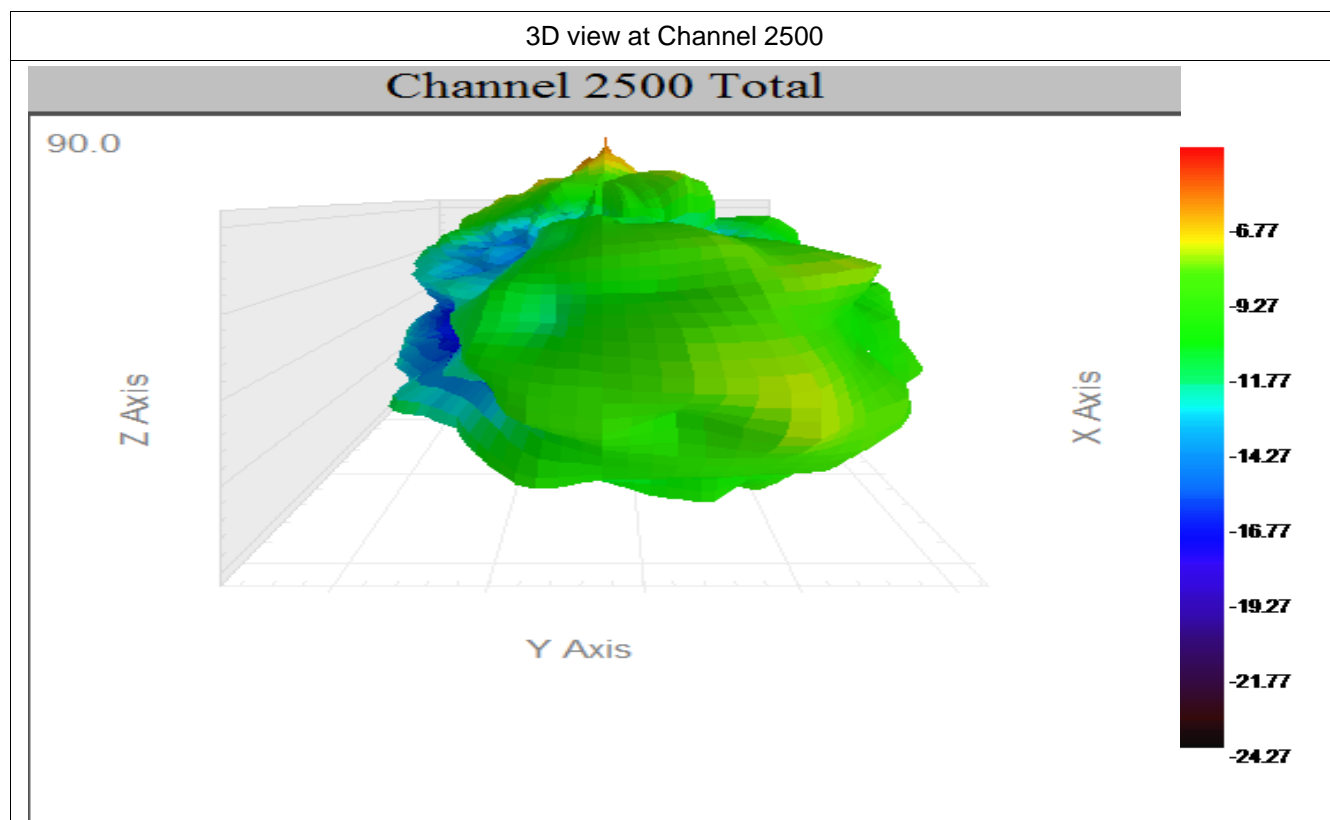


### 2500 MHz H-Plane (Elevation 90°)



## 4. 3D Plots





## 5. EUT Photo

