

Test Report for Antenna Specifications for Model- H97N6S

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Frequency range and operation

WiFi Antenna: 2.412 to 2.472 GHz and 5.150 to 5.825 GHz

Bluetooth Antenna: 2.402 to 2.484 GHz

Antenna type

WiFi Antenna , Bluetooth Antenna: PCB Inv F type

Antenna Gain

Band	Peak Gain (dBi)	
	Wi-Fi ANT	BT ANT
2.4GHz	4.0 dBi	2.1 dBi
5GHz Band I (5150-5250MHz)	5.2 dBi	
5GHz Band II (5250-5350MHz)	5.5 dBi	
5GHz Band III (5470-5725MHz)	4.7 dBi	
5GHz Band IV (5725-5850MHz)	4.8 dBi	

Measurement Test method

Solder pigtailed on feeding point of antennas and measure passive antenna performance by VNA and OTA chamber system. And the measurement was done in devices level.

Test Equipment used:

1. VNA: ROHDE&SCHWARZ_ZNB 8
2. OTA chamber: ROHDE&SCHWARZ_TS8991 Antenna Measurement System

Test Equipment calibration information:

ZNB8

Cal Date: 2022.8.1

Due Date: 2023.7.31

Cal by CCIC (Shenzhen) Co.Ltd

Test Location:

TUV Rheinland,

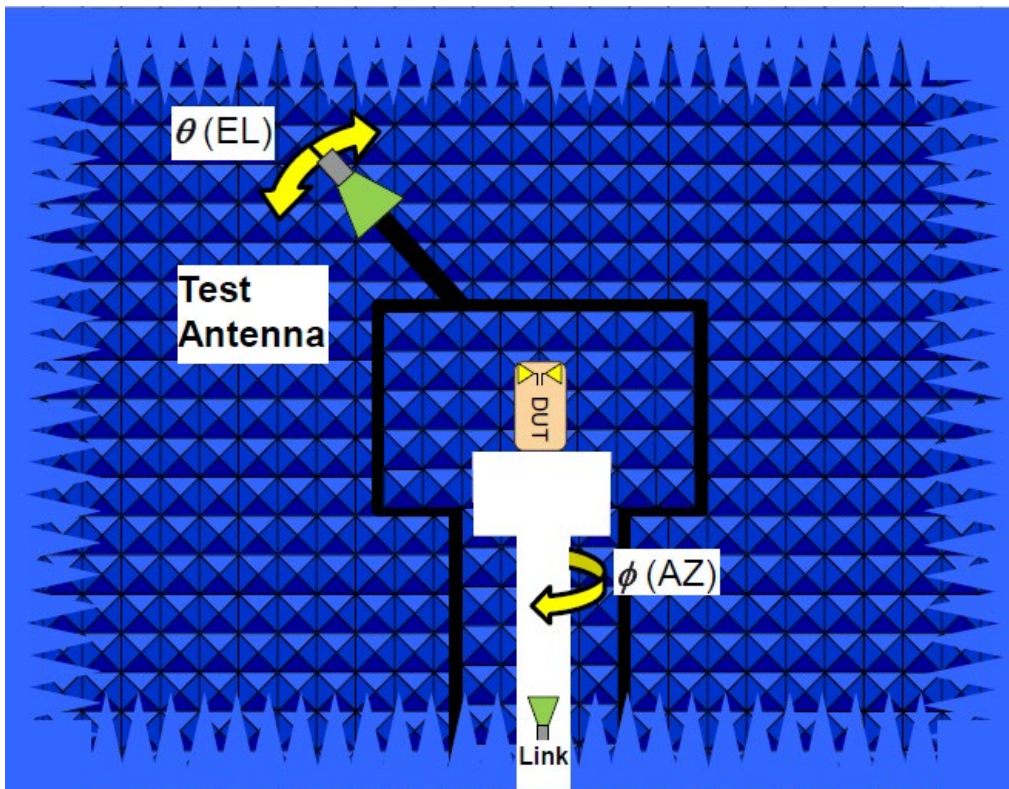
No. 362, Huanguan Middle Road, Guanhu Street, Longhua District, Shenzhen, China

Test Engineer: Carl Liu

Test set up

Refer to document – ‘H97N6S_AntennaReport_Photos’.

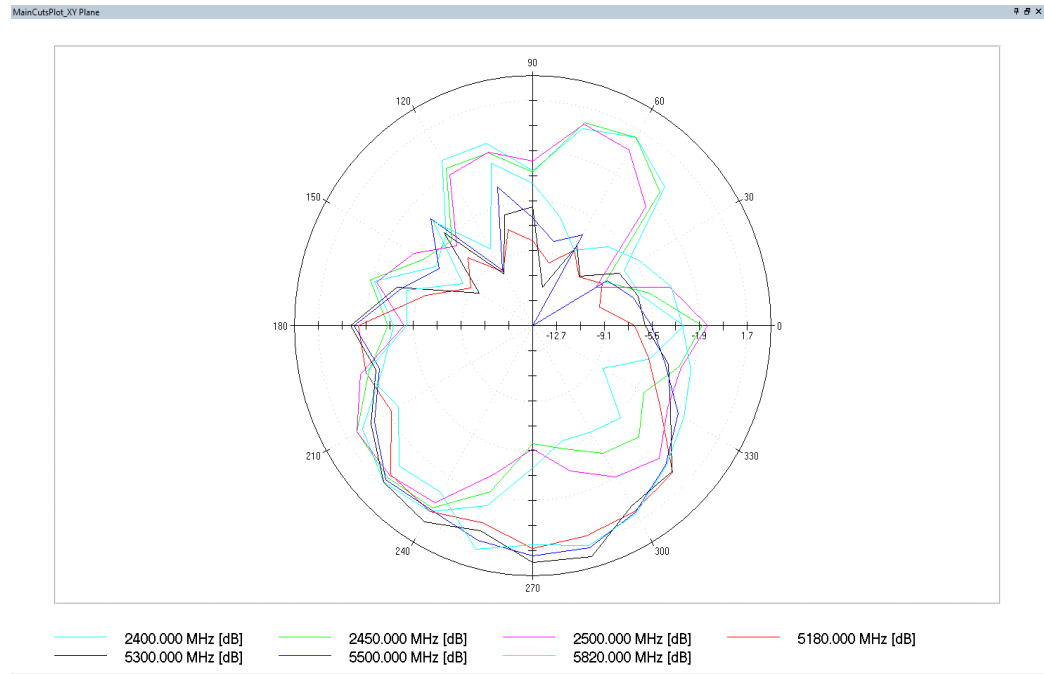
FII CHAMBER AXIS



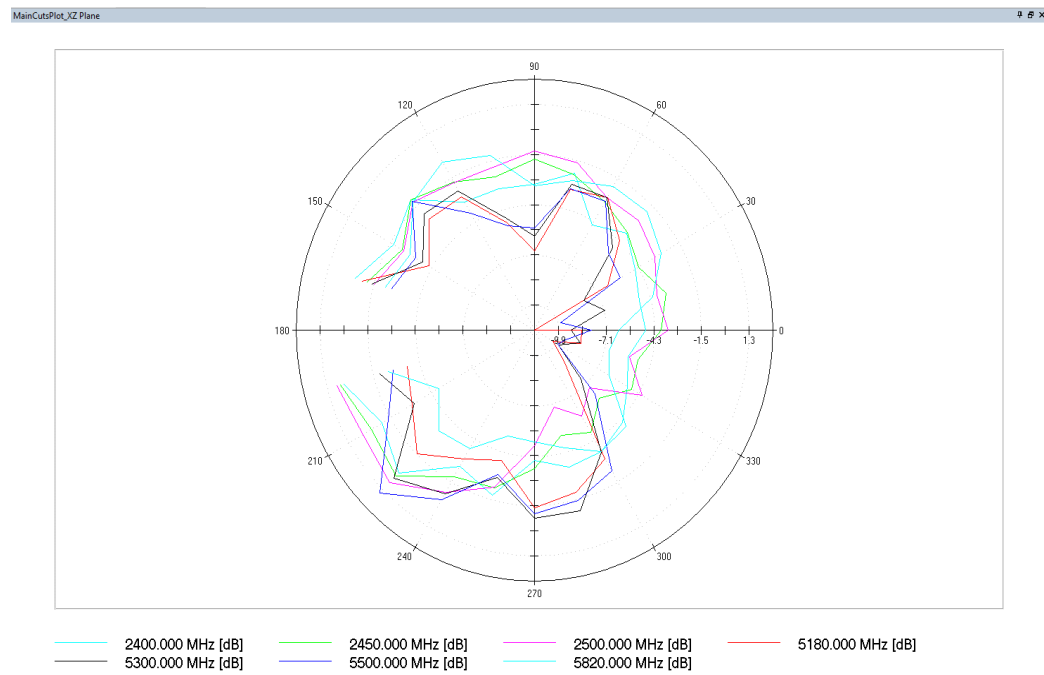
2D RADIATION PATTERN

WiFi Antenna

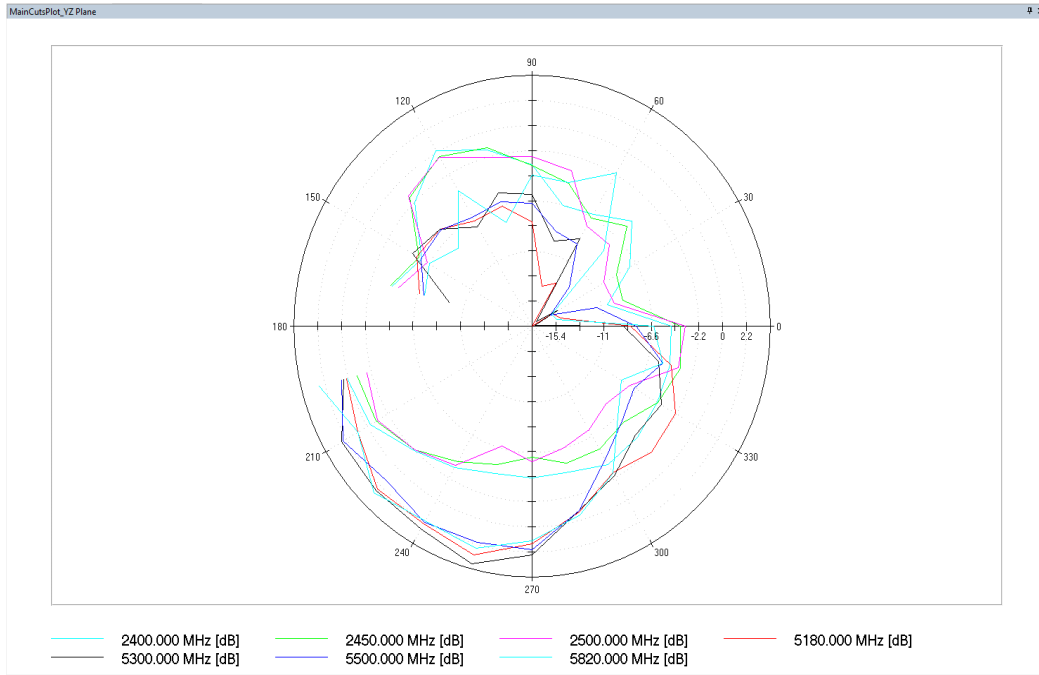
XY Plane



XZ Plane

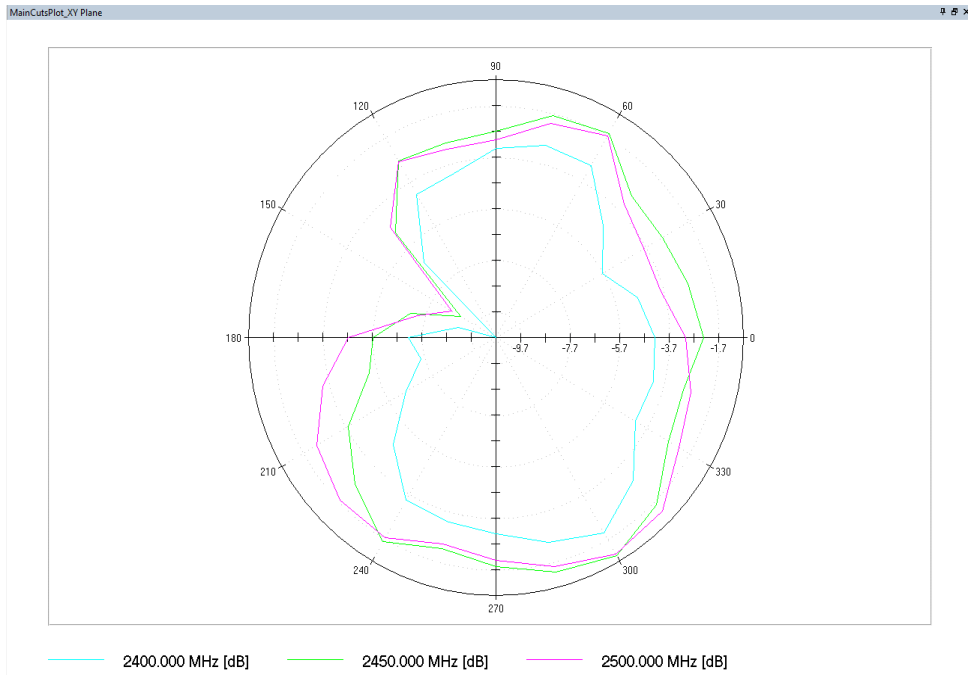


YZ Plane

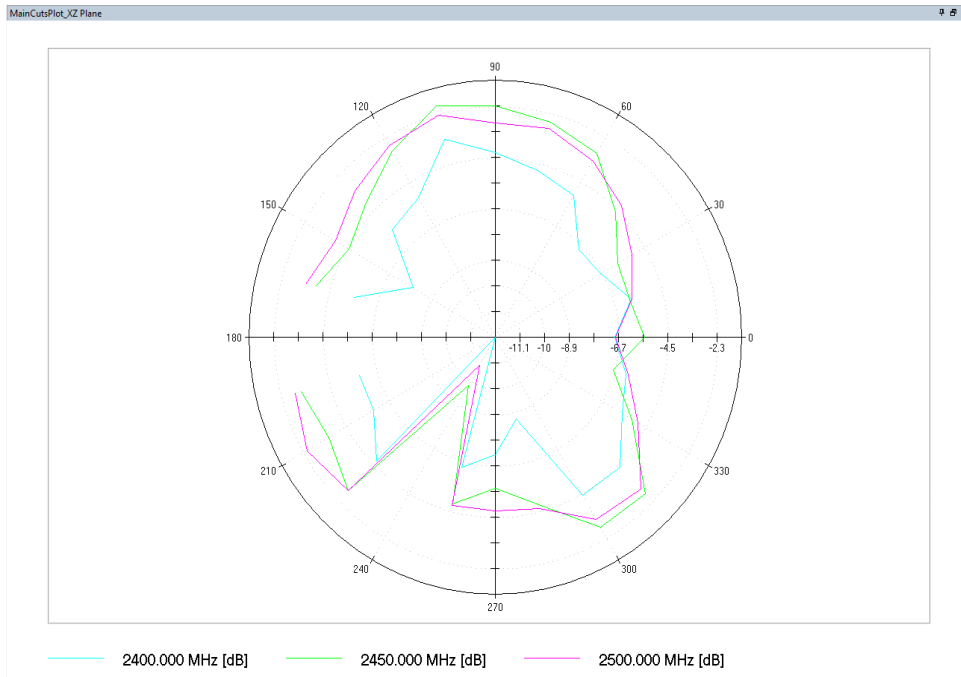


BT Antenna

Phi=0



Phi=90



Theta 90

