

Antenna Report

Model Number: SA569P

Frequency range of operation:

Antenna1:

- Wi-Fi2G&BT: 2.4 to 2.482 GHz

Antenna 2:

- WiFi5G: 5.15 to 5.85 GHz

Antenna Types:

Wi-Fi2G&BT: PCB IFA antenna, WiFi5G: PCB monopole antenna

Antenna Gain:

Frequency	Peak Gain (dBi)	
	Ant1	Ant2
	IFA	Monopole
2400-2500MHz	4.0	-
5150-5250MHz	-	4.0
5250-5350MHz	-	4.0
5470-5725MHz	-	4.0
5725-5850MHz	-	4.0

Measurement Test Method:

Solder pigtails on feeding point of antenna and measure passive antenna performance by VNA and OTA chamber system.

Test equipment: Agilent E5071C

Test chamber: Sporton-KS

Chamber info: ETS_AMS8500

Calibration info: Agilent E5071C_2023/01/05

Test engineer: Jiazhiwang

Software for Measurement: EMQuest

Test Set-up:

1. Set up the device on the turn table and connect the pigtails to the RF cable.
2. Measure the 3D passive performance according to the following coordinate axis.

Please see separate test set-up exhibit for setup photographs



Network Analyzer

Port1

Port2

Power
Amplifier

RF out RF in

EMSwitch Slot2

Dedicated Phi

Dedicated Theta

Center Phi

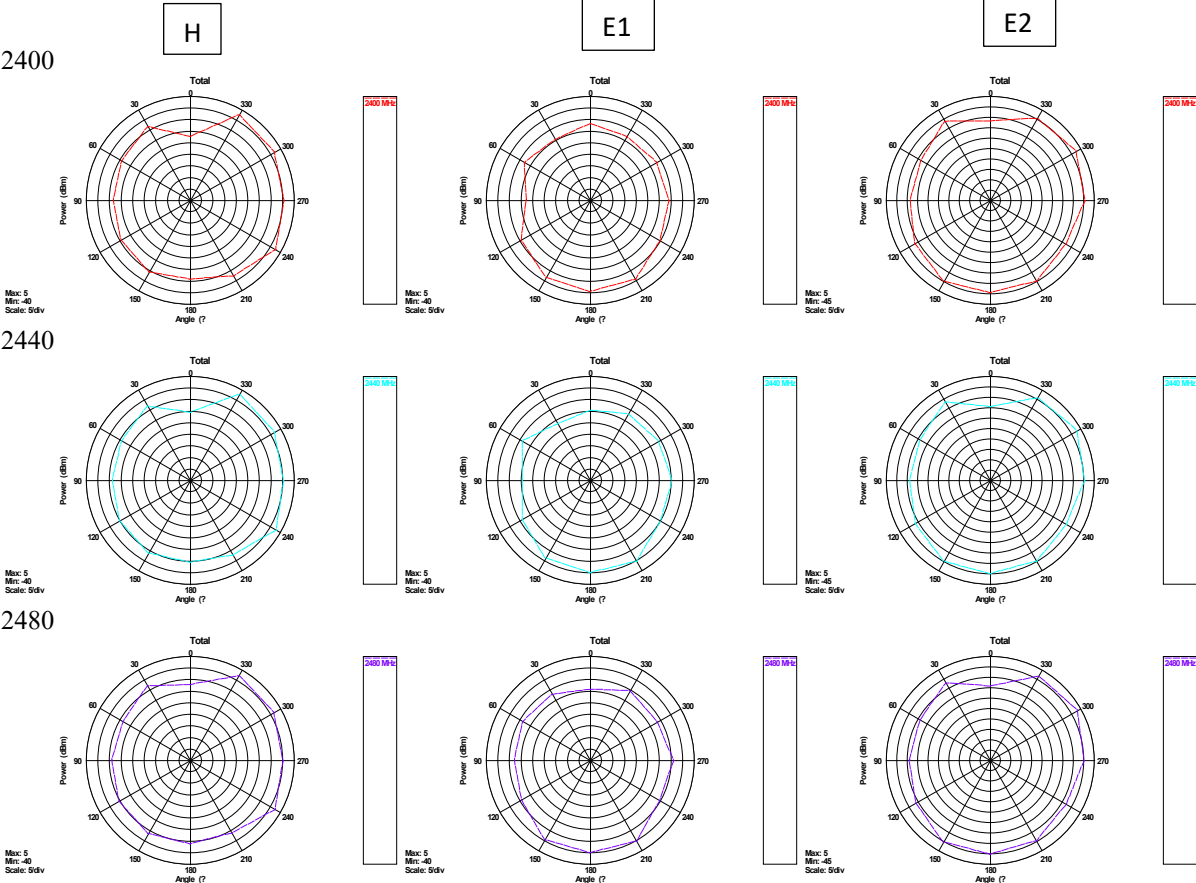
RF-Shielded Anechoic Chamber



DUT

2D radiated pattern

Antenna 1



Antenna 2

