

# 1. Circuit Specification

## 1.1 Test Condition

### 1.1.1 Test Environment (Condition/Method)

#### ① Voltage Standing Wave Ratio(VSWR)

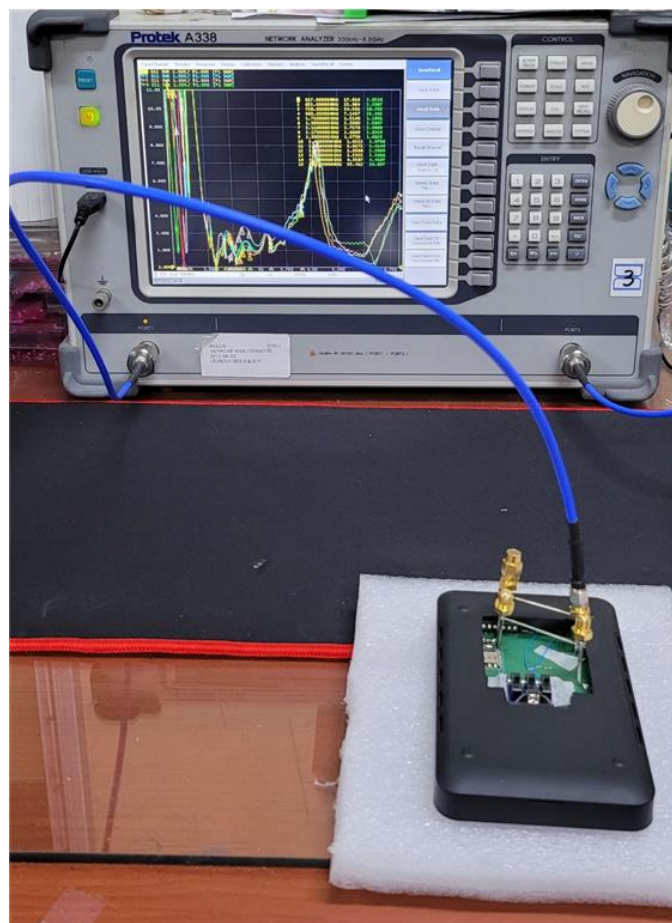
Step 1. Set the frequency range after connect 50cm cable to Network analyzer.

Step 2. Connect Calibration Kit to Network analyzer and calibrate.

Step 3. Fix the cable and keep separation distance over 30cm for reducing effect by Network analyzer.

Step 4. Fix insulator over 5cm on the bottom of measuring antenna.

Step 5. Measure VSWR with setting marker of desired frequency.

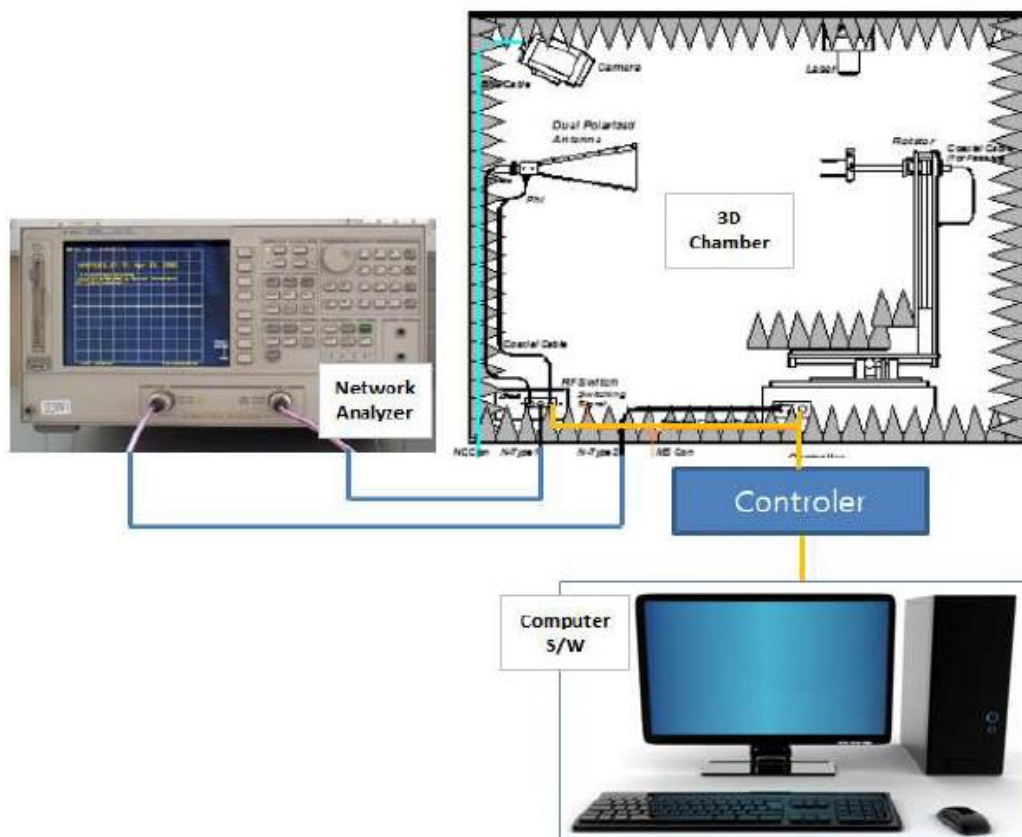


## ② Radiation & Gain

Step 1. Calibrate the Chamber system using Horn antenna, and set up the software to control the Chamber system at the same time.

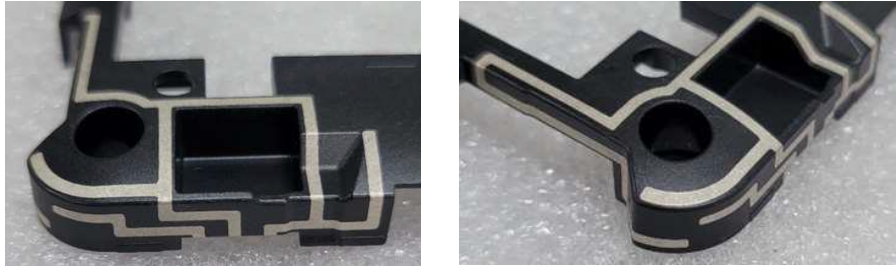
Step 2. Keep the measuring antenna to holder.

Step 3. Measure Gain & efficiency.

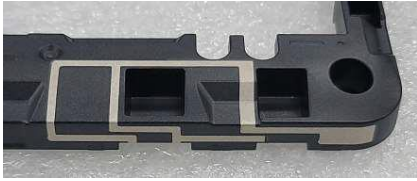
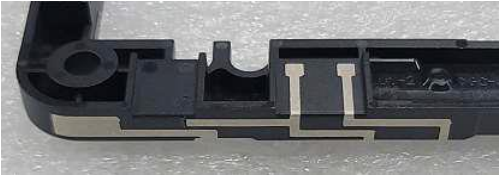



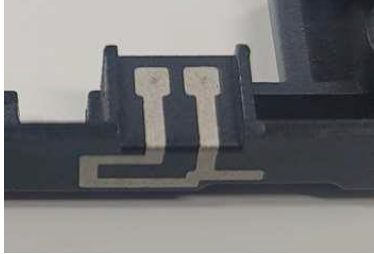


## 2. Antenna Structure

### 2.1 Top Antenna

DRX (ANT2)	
MIMO PRX, DRX (ANT3)	
WIFI 0 (ANT6)	

## 2.2 BTM Antenna

Main (ANT0)		
MIMO PRX (ANT1)		
UHB TRX0 (ANT4)		
WIFI 1 (ANT7)	