
Antenna Reports

AN8050-UP-SPD

Test lab: Haitong lab (GTS)

Issue date: 2026/01/27

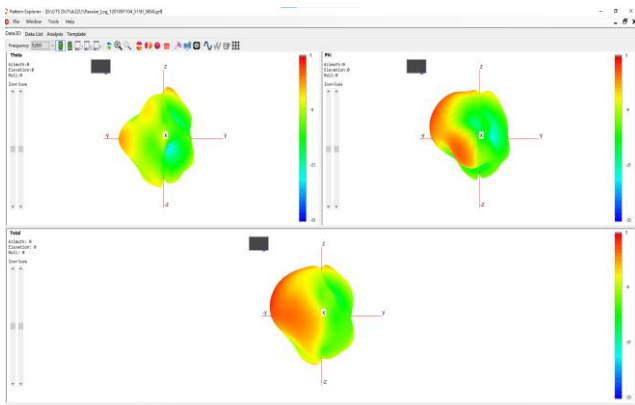
1.WIFI Gain

ANT8

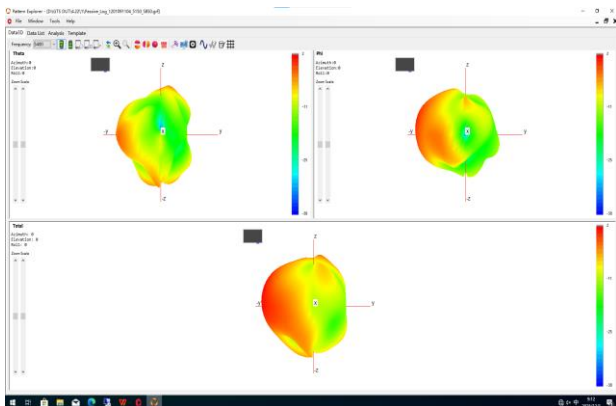
Antenna type: PIFA

GPS/WLAN Peak Gain (dBi)	Peak Gain(dBi)
5150~5250MHz	1.9
5250~5350MHz	1.8
5470~5725MHz	1.4
5725~5850MHz	0.8

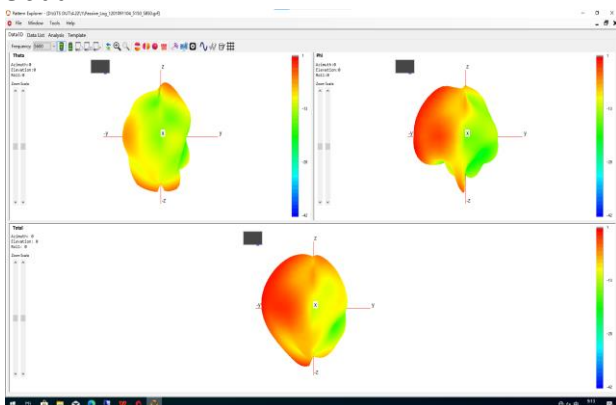
5200MHz



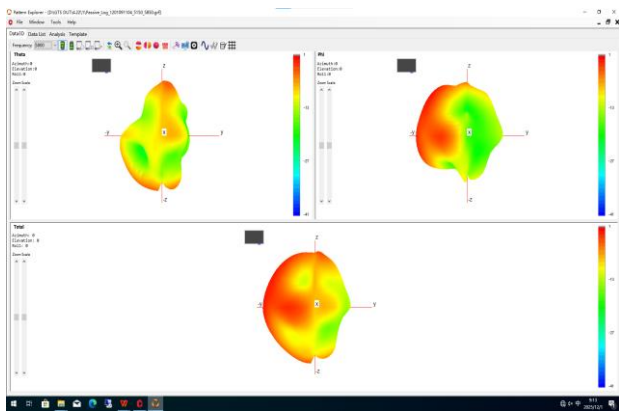
5400MHz



5600MHz



5800MHz



ANT6

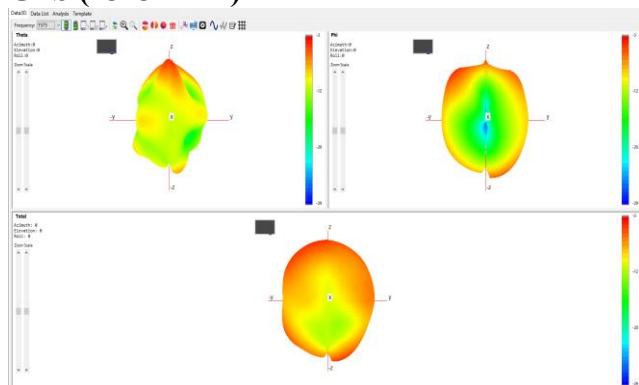
Antenna type: PIFA

GPS/WLAN Peak Gain (dBi)			
1550-1650MHz	-2.5	2400-2500MHz	0.7

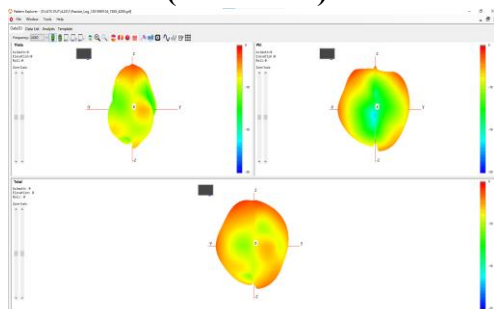
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

(Right view – Rear view – Left view – Front view)

GPS (1575 MHz)



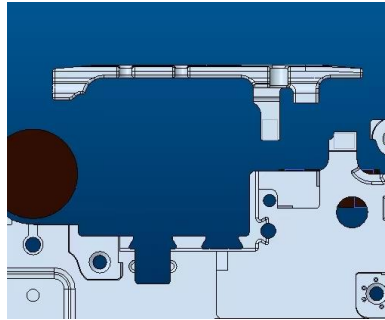
WIFI 2.4G (2450 MHz)



2.Wifi Pattern

ANT6 2D (GPS+2.4G)

Antenna type: PIFA



ANT8 2D (WiFi5G)

Antenna type: PIFA



3. Antenna Manufacturer and Address

Manufacturer: Zhejiang Haitong Communication Electronics Co., Ltd.

Address: 1st Floor, Building C5, Caohejing Business Oasis, Pudong New Area, Shanghai

4. Antenna Type:PIFA

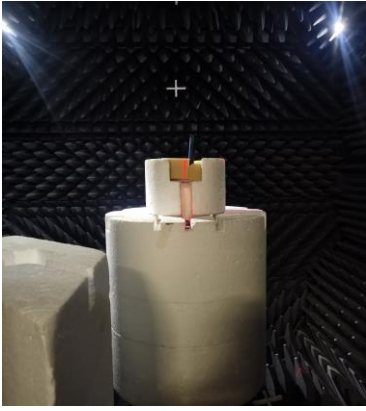
5. Test Instruments and Calibration Dates

GTS 2800 Calibration Date: October 17, 2025

CMW500 Calibration Date: October 17, 2025

Keysight E5071C Calibration Date: January 17, 2025

6.Photos of Antenna Tests



7.Test software:GTS2800