

LTN<A Antenna Report

Item	Description
Brand Name	logi
Model Name	LTN<A
Test Engineer	Bill Li
Manufacturer	FIH Mobile Limited
Manufacturer Address	No. 4, Minsheng St., Tucheng Dist., New Taipei City , Taiwan (R.O.C.)
Test Environment	ETS-Lindgren AMS-8500 Antenna Measurement System
Test Equipment	Keysight E5071C (SER: MY46631936)
Test Software	ETS-Lindgren EMQuest Data Acquisition and Analysis Software V1.12 build 1470
Calibration date	Feb. 02 2026
Calibration due date	Feb. 02 2027
Test date	Jun. 15 2026 ~ Jun. 26 2026
Test Temperature / Humidity	21 °C / 45%
Chamber name	FIH Antenna Chamber-02
Chamber address	No. 4, Minsheng St., Tucheng Dist., New Taipei City , Taiwan (R.O.C.)

Outline

1. Test Method
2. Test Setup
3. Antenna Placement
4. Antenna Gain
5. Radiation pattern
6. Calibration Information

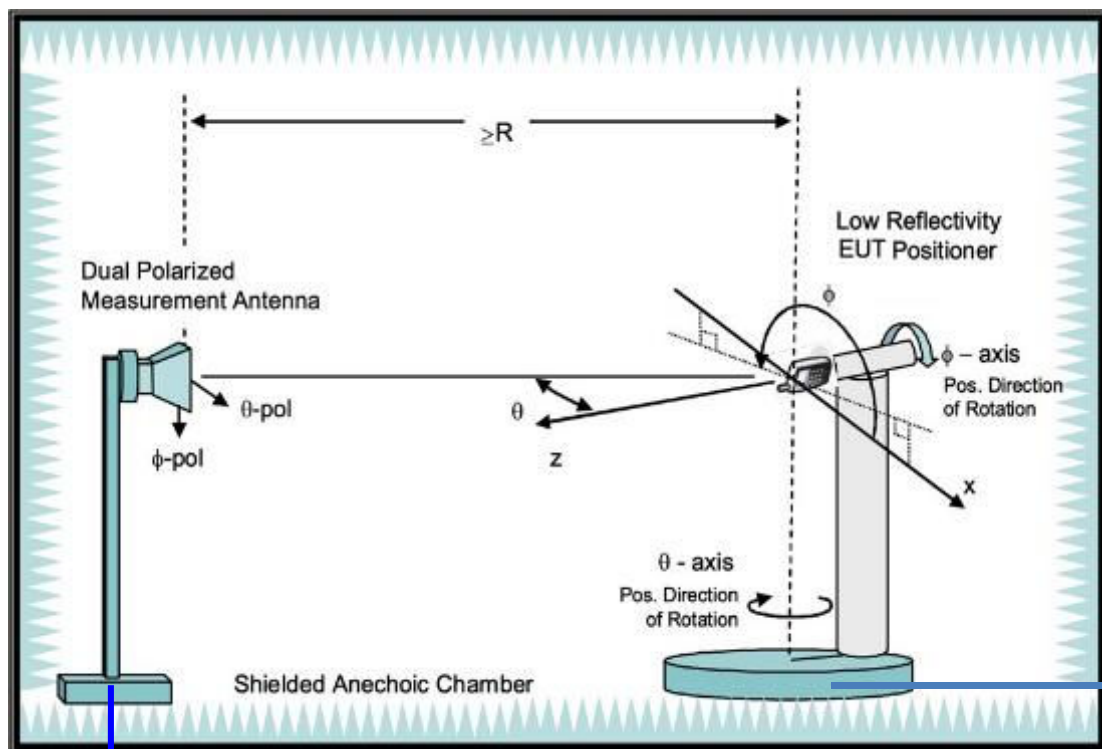
1. Test Method

The antenna gains are obtained through measurements in a fully anechoic OTA chamber ([ETS-Lindgren AMS-8500](#)) with a 3D positioner.

Measurements are taken in discreet steps in theta and phi direction, data is being recorded using the network analyzer (passive) for both theta and phi polarizations at each position resulting in a 3D gain pattern.

Step size is <30deg along both axes.

Gain is either derived directly through spatial averaging of VNA S21 measurements (passive measurement).

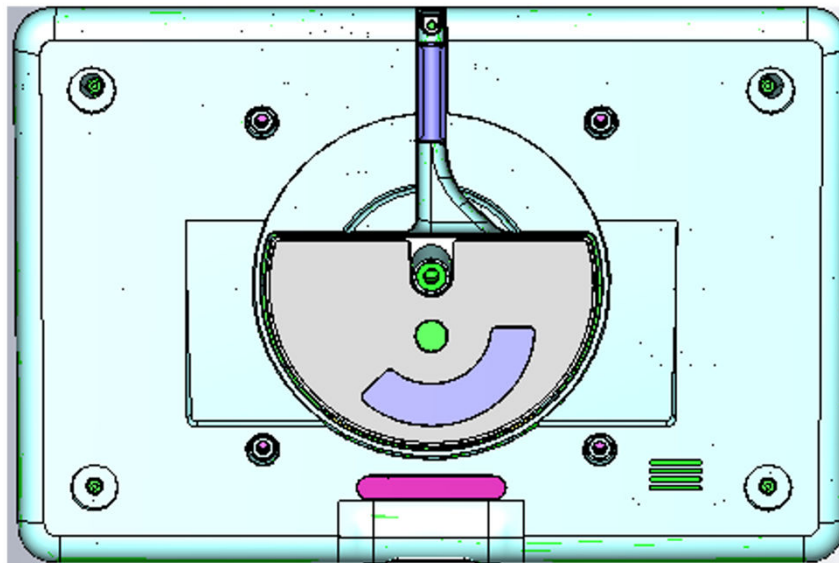


SER: MY46631936

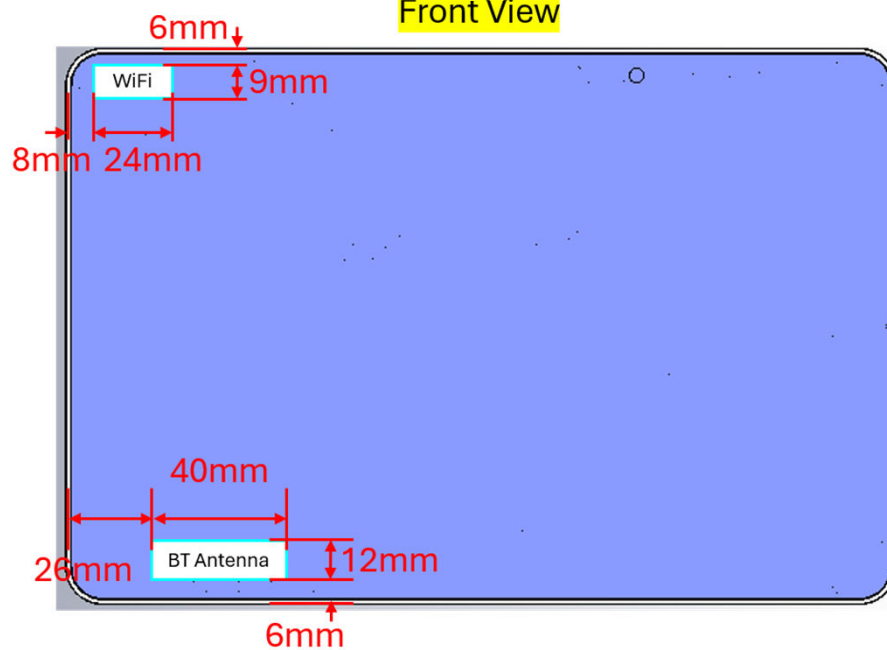


3. Antenna Placement

Back View



Front View



	RAT Support
WiFi antenna	WLAN 2.4G/5G
BT Antenna	BT

4. Antenna Gain

WiFi antenna
Type: PIFA

WiFi antenna			
Antenna	Band	Frequency (MHz)	Peak Gain (dBi)
WIFI	2.4GHz	2402-2482	3.32
	5G (B1)	5150-5250	2.72
	5G (B2)	5250-5350	3.55
	5G (B3)	5470-5725	4.33
	5G (B4)	5725-5850	4.1

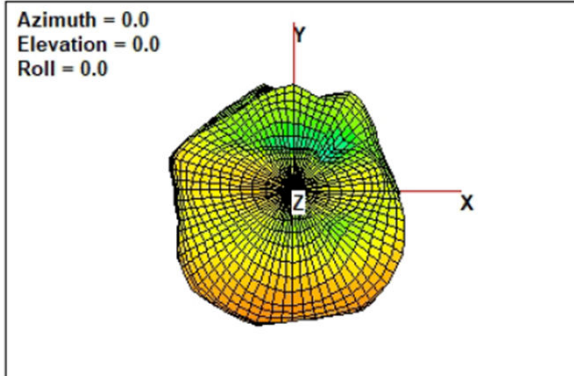
BT antenna
Type: Dipole

BT antenna			
Antenna	Band	Frequency (MHz)	Peak Gain (dBi)
BT	2.4GHz	2400-2484	4.14

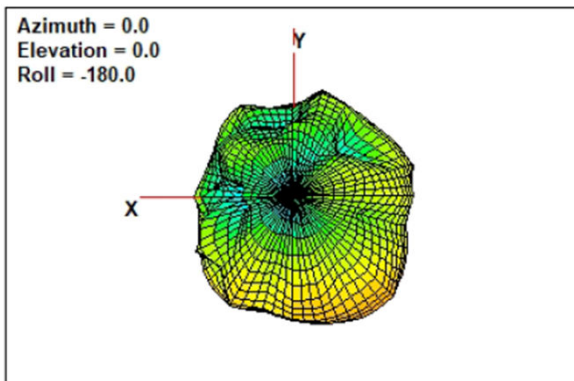
5. Radiation pattern

2402MHz WIFI Antenna

Total

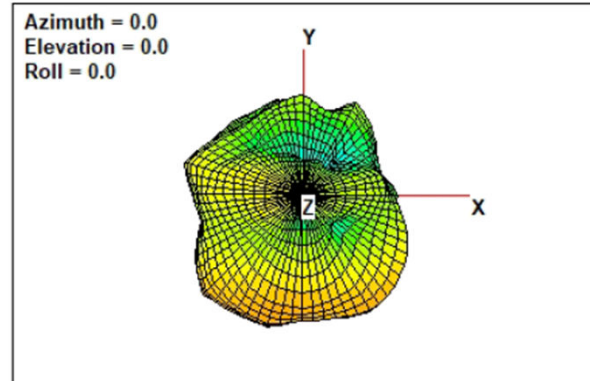


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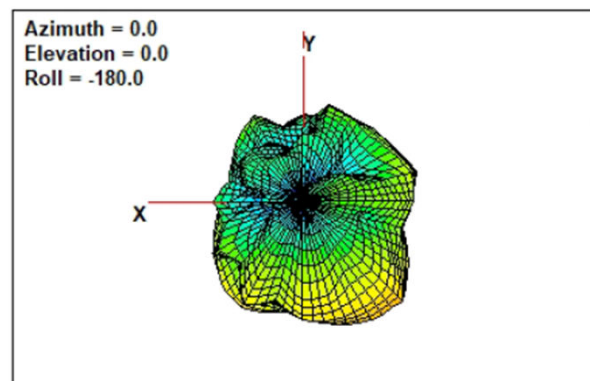


2442MHz WIFI Antenna

Total

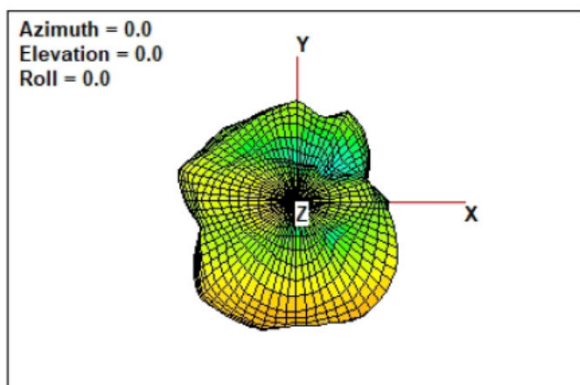


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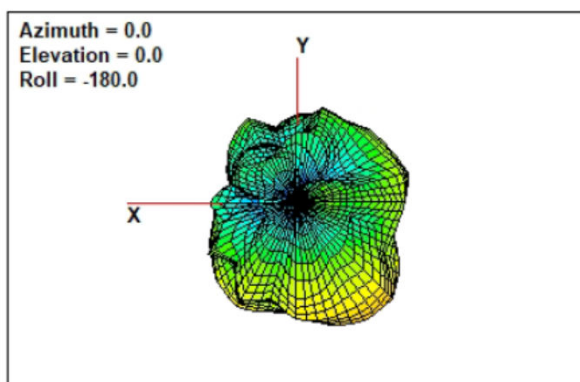


2472MHz WIFI Antenna

Total



Total

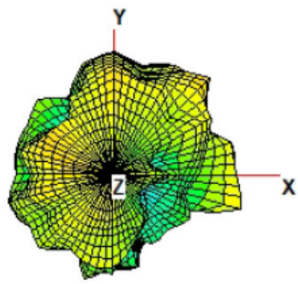


5. Radiation pattern

5180MHz WIFI Antenna

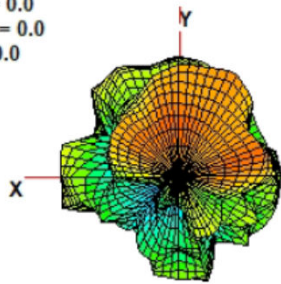
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Total

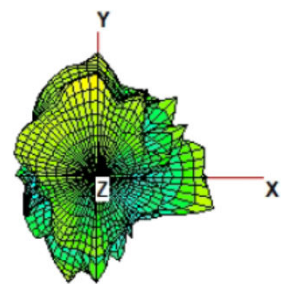
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5500MHz WIFI Antenna

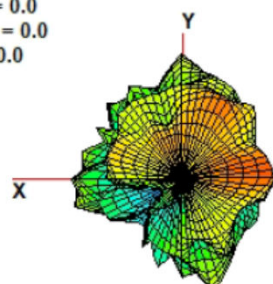
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Total

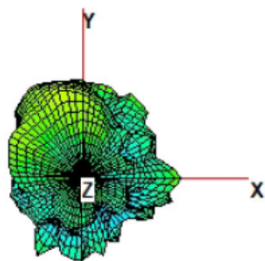
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5825MHz WIFI Antenna

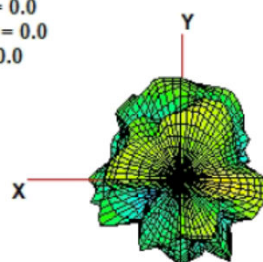
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Total

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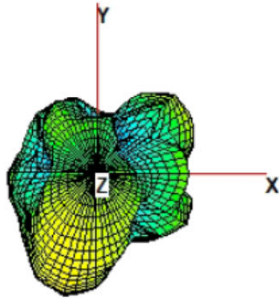


5. Radiation pattern

2402MHz BT Antenna

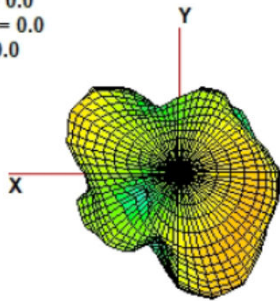
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Total

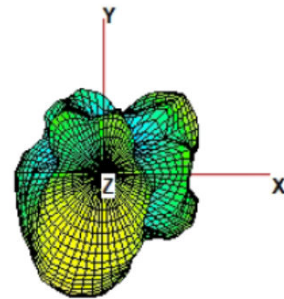
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2440MHz BT Antenna

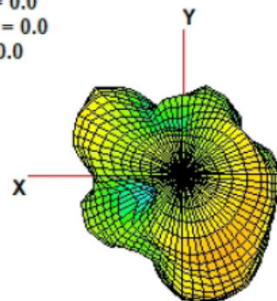
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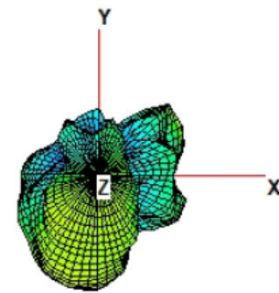
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2480MHz BT Antenna

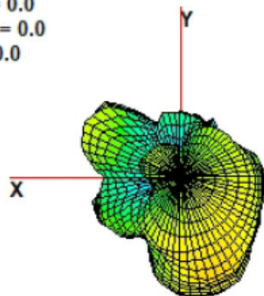
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Total

Azimuth = 0.0
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Roll = -180.0



6. Calibration Information

Chamber No.	Standard Cal. ANT	Frequency Range(MHz)	VNA	Chamber System	Cal. Date	Cal. Enginnear
FIH-02	Precision Sleeve Dipole	600 -700	Keysight E5071C (SER: MY46631936)	ETS-Lindgren AMS-8500	Feb.02 2026	PeterCHChen
FIH-02	Precision Sleeve Dipole	700 -800	Keysight E5071C (SER: MY46631936)	ETS-Lindgren AMS-8500	Feb.02 2026	PeterCHChen
FIH-02	Precision Sleeve Dipole	800 -980	Keysight E5071C (SER: MY46631936)	ETS-Lindgren AMS-8500	Feb.02 2026	PeterCHChen
FIH-02	Precision Sleeve Dipole	1400-1600	Keysight E5071C (SER: MY46631936)	ETS-Lindgren AMS-8500	Feb.02 2026	PeterCHChen
FIH-02	Precision Sleeve Dipole	1600-2200	Keysight E5071C (SER: MY46631936)	ETS-Lindgren AMS-8500	Feb.02 2026	PeterCHChen
FIH-02	Precision Sleeve Dipole	2200-2695	Keysight E5071C (SER: MY46631936)	ETS-Lindgren AMS-8500	Feb.02 2026	PeterCHChen
FIH-02	Precision Sleeve Dipole	3000-5000	Keysight E5071C (SER: MY46631936)	ETS-Lindgren AMS-8500	Feb.02 2026	PeterCHChen
FIH-02	Precision Sleeve Dipole	5000-5806	Keysight E5071C (SER: MY46631936)	ETS-Lindgren AMS-8500	Feb.02 2026	PeterCHChen



FIH Chamber02
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