

TT300 Antenna SPECIFICATION

Antenna Manufacturer AWAN	Advanced Wireless & Antenna INC.
Address	5F, No. 225, Sec. 3, Bei-Hsin Rd., Xindian Dist., New Taipei City, 231, Taiwan
P/N:	ALP6Y-100017 (WLAN1) ALP6Y-100018 (WLAN0)
Test DATE	2024/10/18
DATASHEET REVISION	V02

Test Engineer: CHIH-MING CHEN

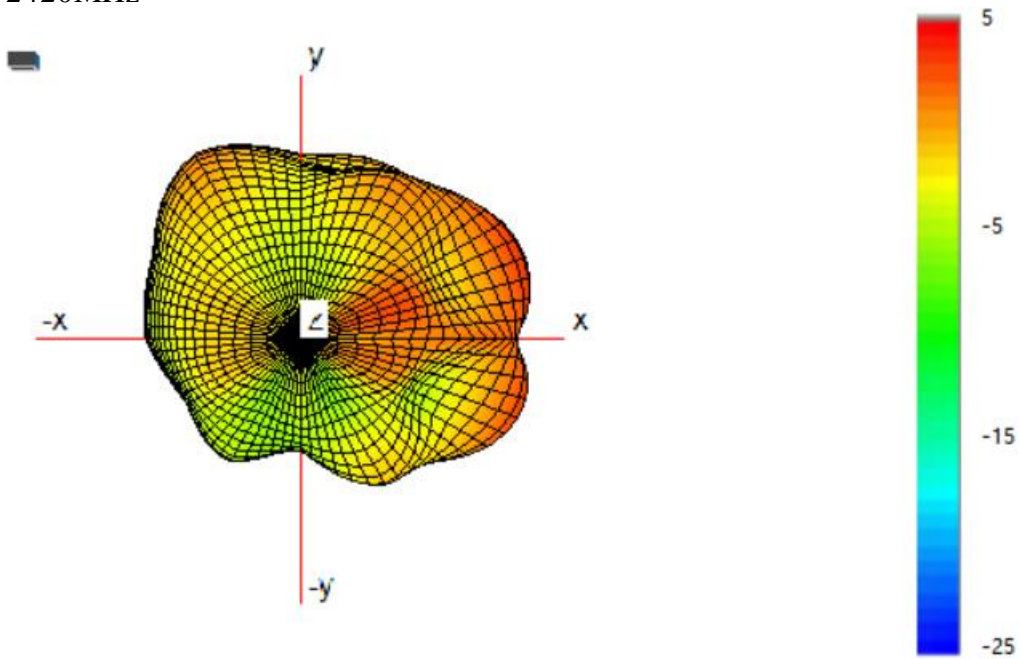
Description of WLAN1

Frequency Range	2400-2500MHz, 5150-5850MHz
Impedance	50ohm
Antenna type	Dipole
Manufacturing Process	PCB

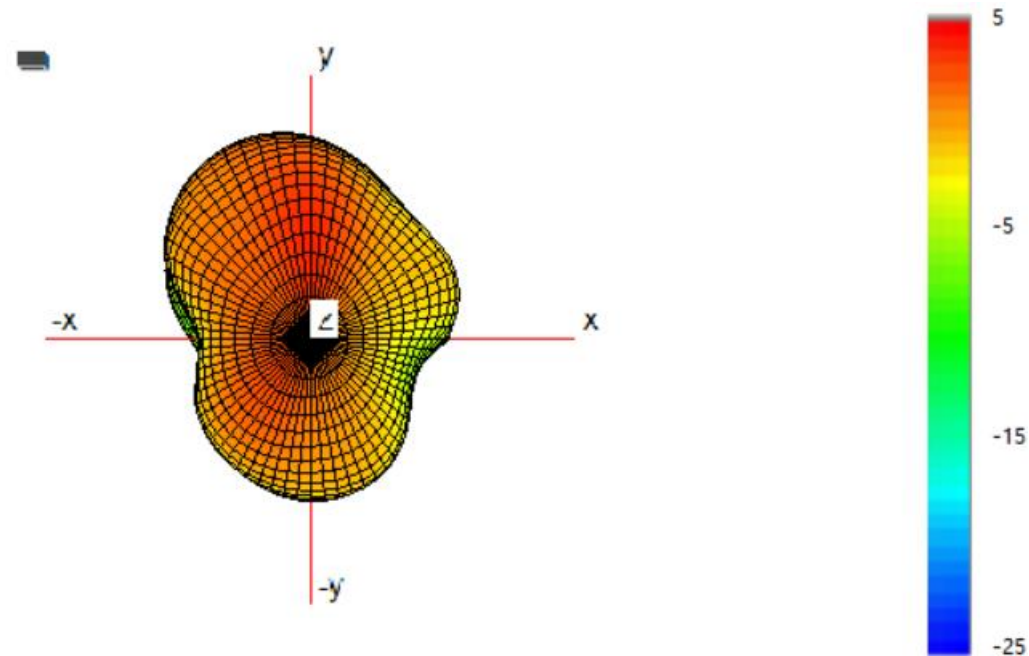
Antenna Peak Gain:

Freq(MHz)	Peak Gain (dBi)
ANT1_WLAN	
2400	3.2
2410	3.2
2420	3.3
2430	3.2
2440	3.3
2450	3.2
2460	3.2
2470	3.1
2480	3.1
2490	2.8
2500	2.4
5150	3.9
5200	3.6
5250	3.5
5300	3.0
5350	3.1
5400	3.5
5450	3.5
5500	3.6
5550	3.6
5600	3.4
5650	2.5
5700	2.4
5750	2.5
5800	2.3
5850	1.7
5900	1.6
5950	2.3
6000	2.2

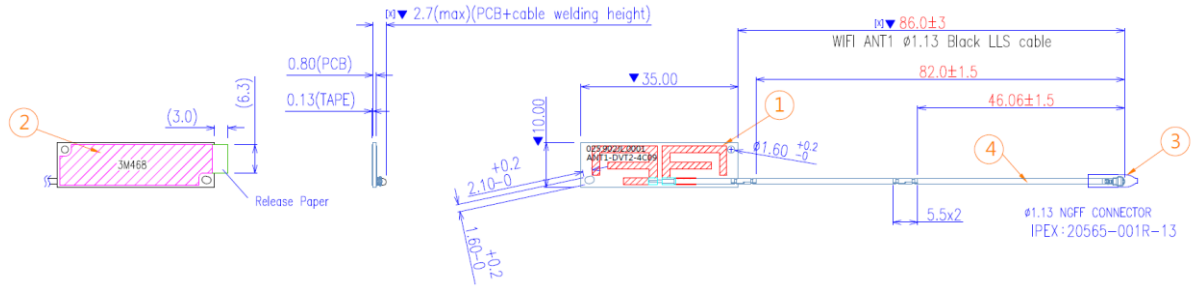
Antenna Pattern:
2420MHz



5150MHz



Antenna 2D Drawing



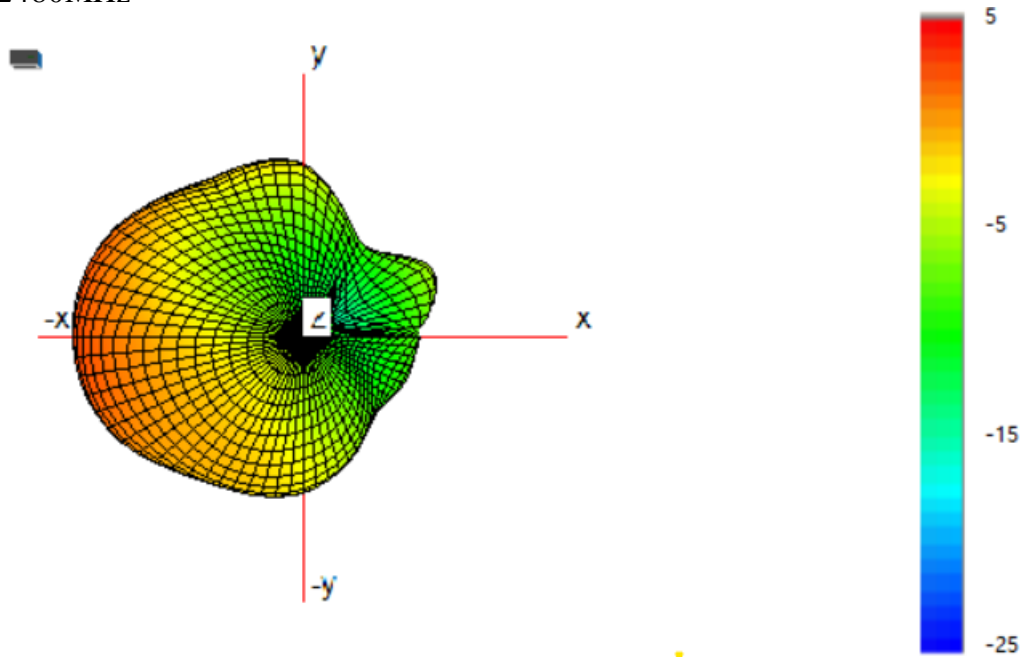
Description of WLAN0

Frequency Range	2400-2500MHz, 5150-5850MHz
Impedance	50ohm
Antenna type	Dipole
Manufacturing Process	PCB

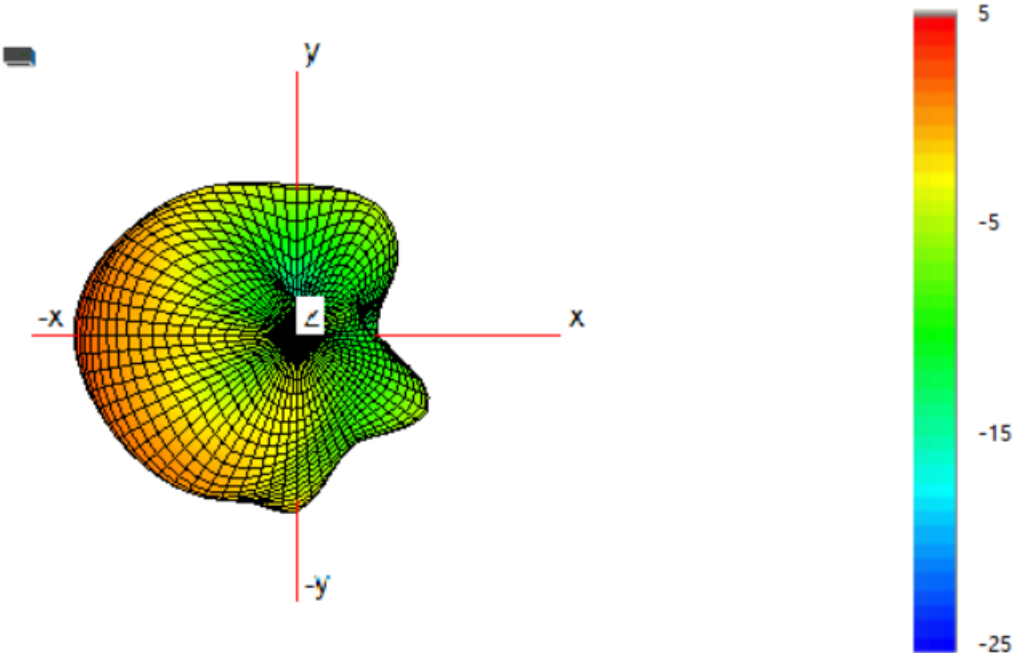
Antenna Peak Gain:

Freq(MHz)	Peak Gain (dBi)
ANT0_WLAN	
2400	2.7
2410	2.5
2420	2.5
2430	2.4
2440	2.5
2450	2.8
2460	2.8
2470	3.1
2480	3.1
2490	3.4
2500	3.2
5150	4.7
5200	4.0
5250	3.0
5300	2.4
5350	2.7
5400	2.8
5450	3.3
5500	3.4
5550	3.6
5600	3.7
5650	4.2
5700	4.4
5750	4.0
5800	3.5
5850	2.9
5900	2.7
5950	2.5
6000	2.7

Antenna Pattern:
2480MHz

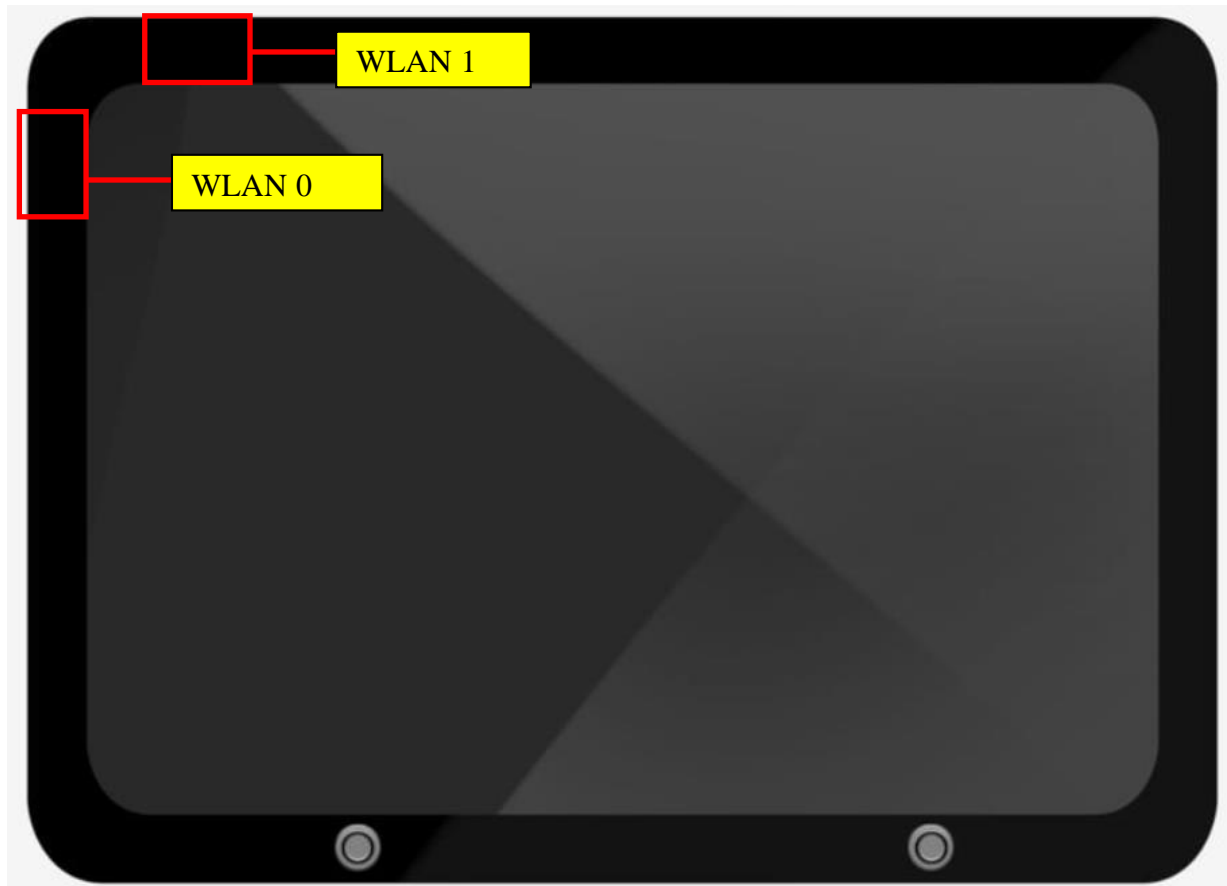


5150MHz



[illegible]

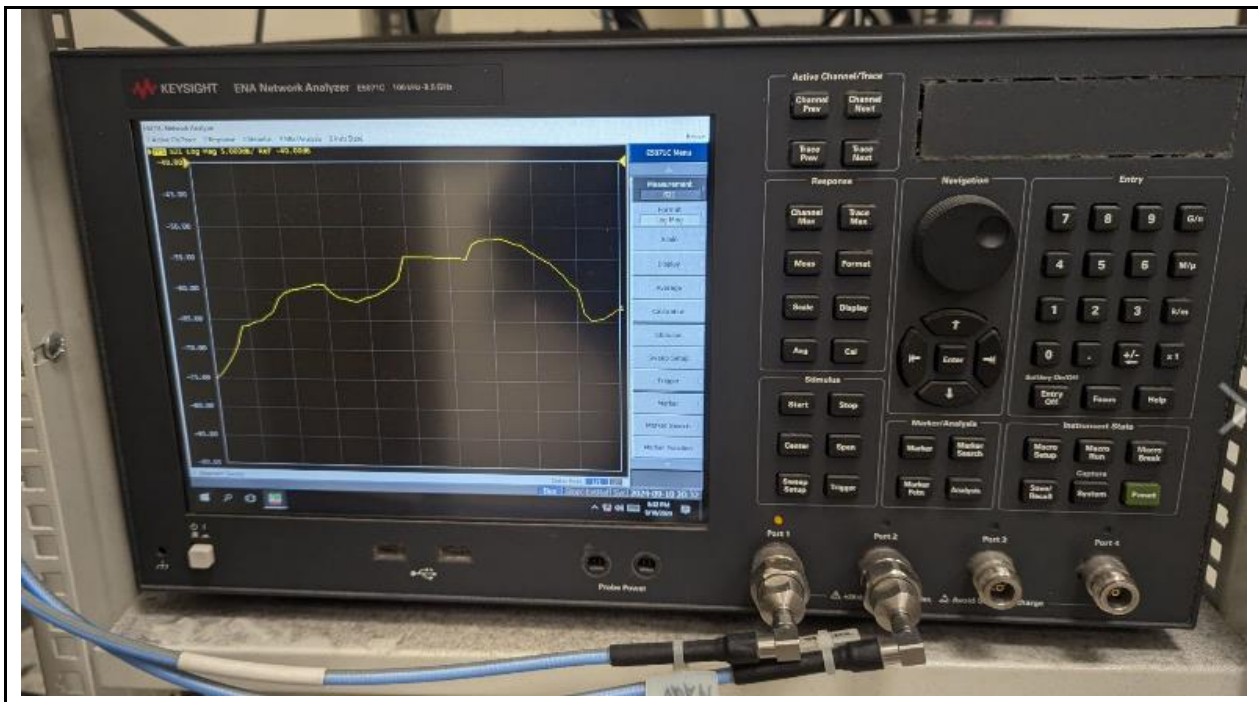
Antenna Location



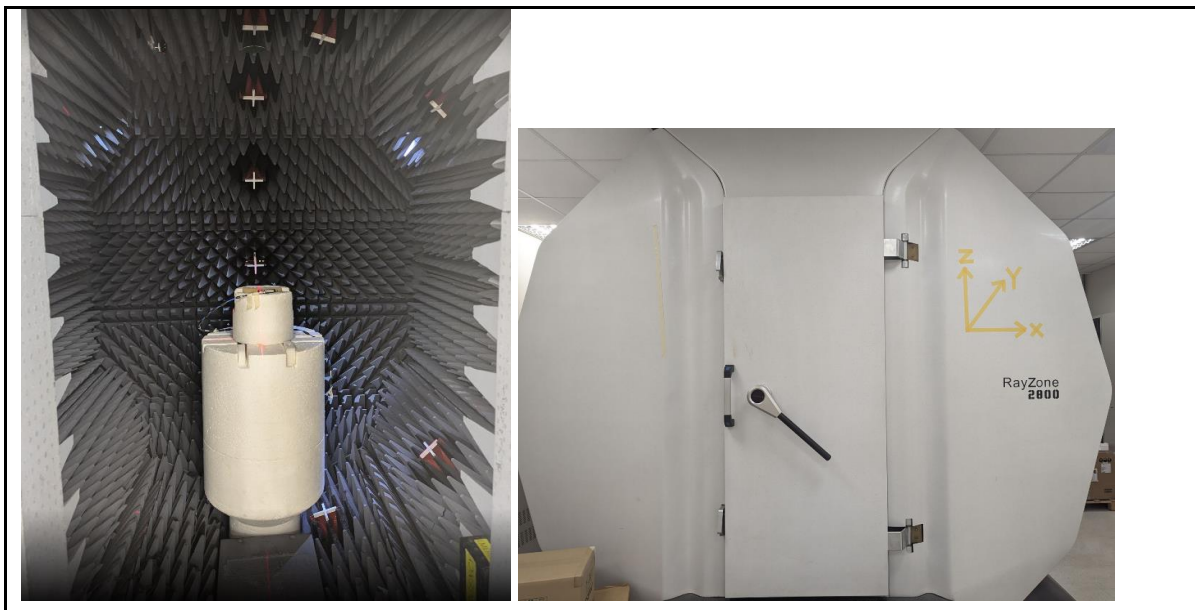
Front View

Test Environment, list of calibrated test equipment

Test Equipment: KEYSIGHT ENA Network Analyzer E5071C



Test Environment: Rayzone2800 Anechoic Chamber



Last Calibration date: 2023/08/10