

Regulatory WLAN Antenna Information

SPECIFICATION

Antenna Manufacturer Name	Amphenol Taiwan Corporation
Address	No.71 , Lane 956 , Jungshan Rd. , Taoyuan City , Taiwan 330
Test DATE	2025/08/29
DATASHEET REVISION	V0
Ant.	Ant7, Ant8



Test Engineer: Kevin Lai

Test Environment, list of calibrated test equipment

1. Applicable test methods

This test report is prepared for host antenna testing under a Full Anechoic Chamber.

2. Test & System Description

. Equipment list

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0001	Anechoic Chamber	SG24	-	SATIMO	2025-6-30	2026-6-29
0002	Turn Table	SATIMO	-	SATIMO	N/A	N/A
0003	Switch & Positioning systems	SATIMO	-	SATIMIO	N/A	N/A
0004	Horn antenna	SH400	-	SATIMIO	N/A	N/A
0005	Dipole antenna	SD740 SD880 SD1575 SD1800 SD2050 SD2450 SD5000 WD6000	-	SATIMIO	N/A	N/A
0006	Cable 1m – 40MHz to 26.5GHz	SUCOFLEX_101_PE	-	HUBER+SUHNER	N/A	N/A
0007	Spectrum Analyzer	N5230A	-	Agilent	2025-6-12	2026-6-11

Test Environment: Agilent N5230A

Test Software: WaveStudio

Test Environment: MVG-SATIMO SG24

Brand	Model	Antenna Type
CIPHERLAB	BRK96ANT00001	Monopole(LDS)

Description of Antenna 7

Frequency Range	2400~2500,5150~5850, 5925~7125MHz
Impedance	50Ω
Peak gain	3.50dBi @ 5350MHz
Antenna type	Monopole(LDS)
Process	LDS

Antenna 7 Gain:

Peak Gain (dBi)			
2400~2483.5MHz	2.5	5850~5925MHz	1.56
5150~5250MHz	3.38	5925~6425MHz	1.22
5250~5350MHz	3.5	6425~6525MHz	1.37
5470~5725MHz	2.11	6525~6875MHz	1.1
5725~5850MHz	1.75	6875~7125MHz	0.94

Description of Antenna 8

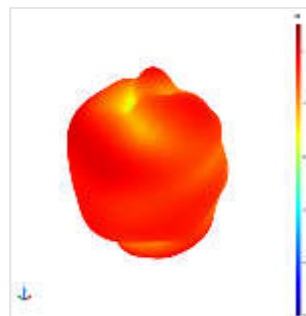
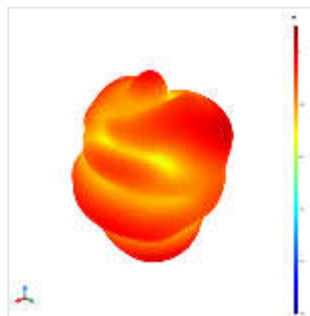
Frequency Range	2400~2500,5150~5850, 5925~7125MHz
Impedance	50Ω
Peak gain	2.97dBi @ 5250MHz
Antenna type	Monopole(LDS)
Process	LDS

Antenna 8 Gain:

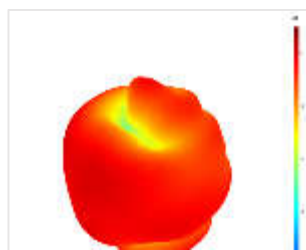
Peak Gain (dBi)			
2400~2483.5MHz	2.46	5850~5925MHz	1.71
5150~5250MHz	2.97	5925~6425MHz	1.57
5250~5350MHz	2.19	6425~6525MHz	1.54
5470~5725MHz	2.11	6525~6875MHz	1.31
5725~5850MHz	1.68	6875~7125MHz	1.11

Ant 7 3D Radiation Pattern

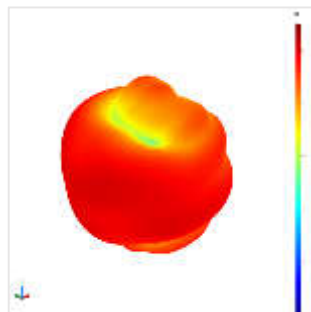
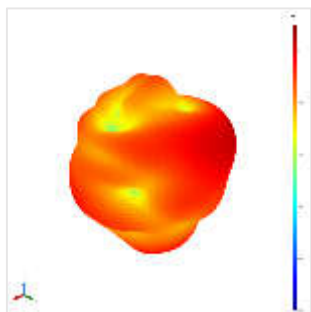
- 2402 MHz



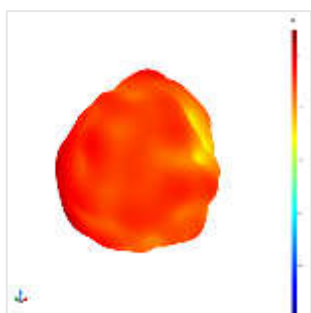
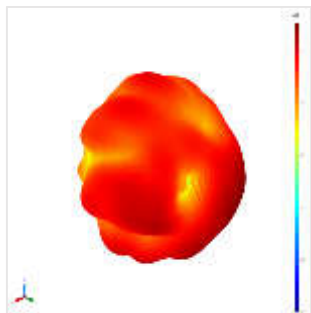
- 2442 MHz



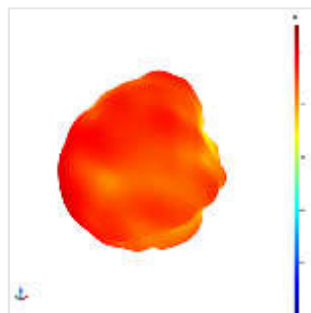
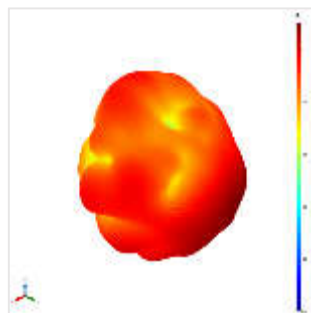
- 2472 MHz



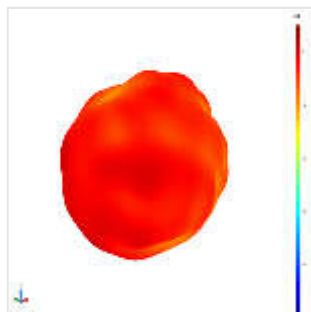
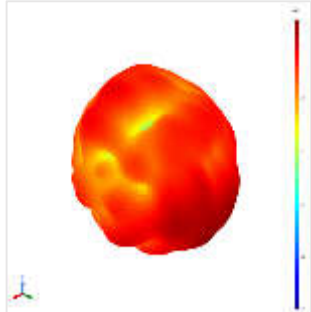
- 5150 MHz



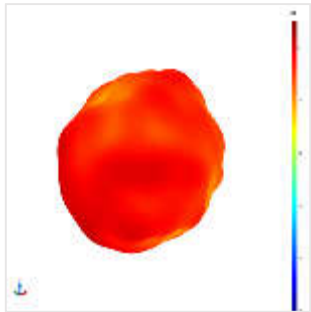
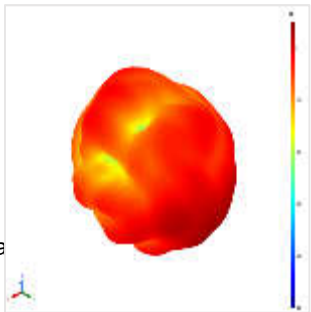
- 5470 MHz



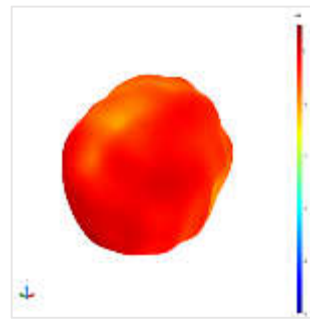
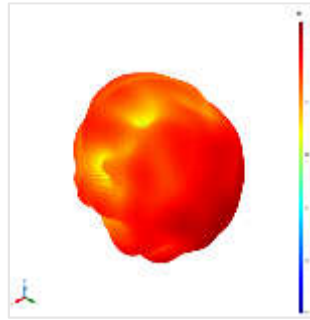
- 5850 MHz



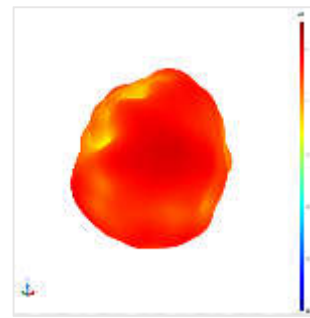
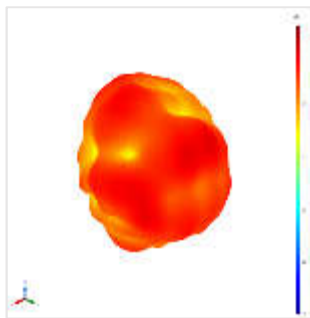
- 5925 MHz



- 6525 MHz

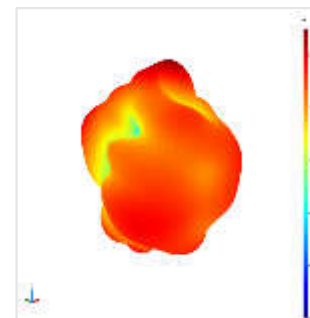
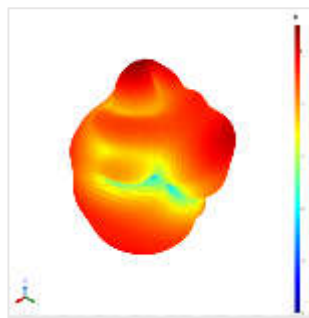


- 7125 MHz

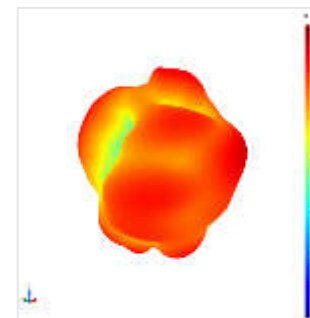
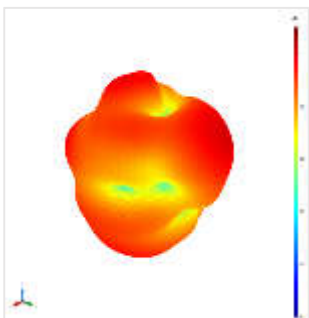


Ant 8 3D Radiation Pattern

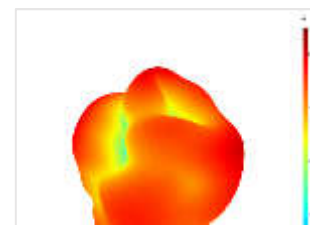
- 2402 MHz



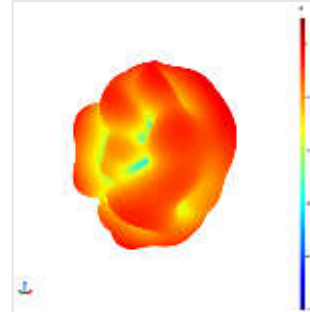
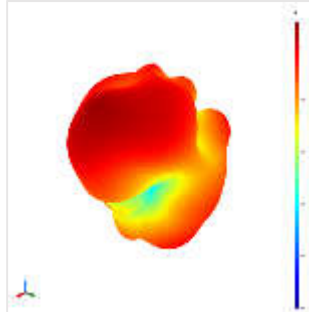
- 2442 MHz



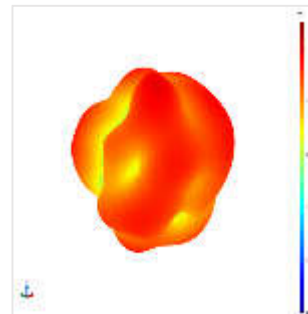
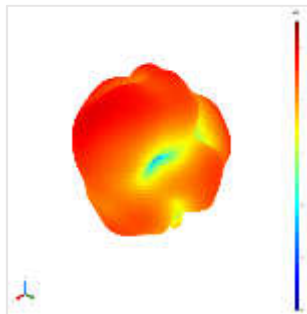
- 2472 MHz



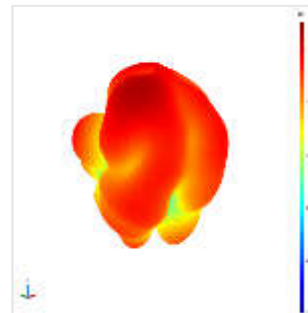
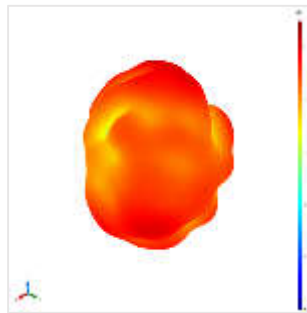
- 5150 MHz



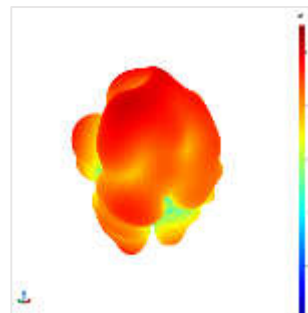
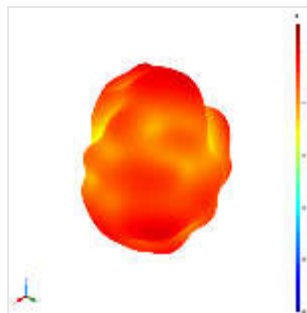
- 5470 MHz



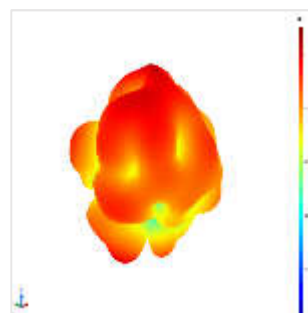
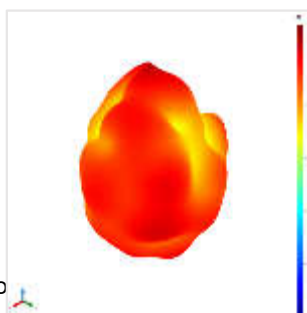
- 5850 MHz



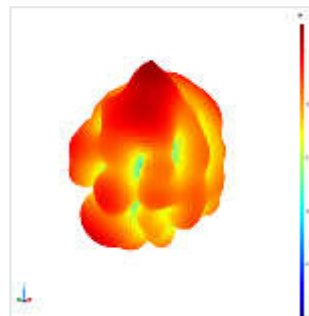
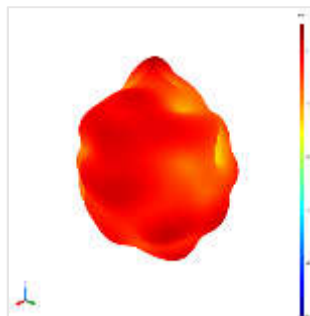
- 5925 MHz



- 6525 MHz



- 7125 MHz



Description of NFC Antenna

Frequency Range	13.56 MHz
Antenna type	Coil
Size	41.3*22.7*1.6mm