

SPECIFICATION

Amphenol P/N	Antenna : WT5907-16-002-C NFC : WT5907-12-004-C
Wistron P/N:	Antenna : 025.90287.0001 NFC : 025.90285.0001
Ant. Type (Coupling)	Ant8, Ant9
Ant. Type (Loop)	NFC
DATE	2022/09/13
DATASHEET REVISION	00
Manufacturer	Amphenol Taiwan Corporation

Amphenol Taiwan Corporation			
RF ENGINEER CHECKED	MECHANICAL ENGINEER CHECKED	R&D MANAGER CHECKED	PRODUCT MANAGER CHECKED
Ethan Huang	James Lin	Tommy Huang	Caven Yeh

安諾電子股份有限公司
Amphenol Taiwan Corporation

Amphenol Taiwan Corp.

No.71, Ln. 956, Zhongshan Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)

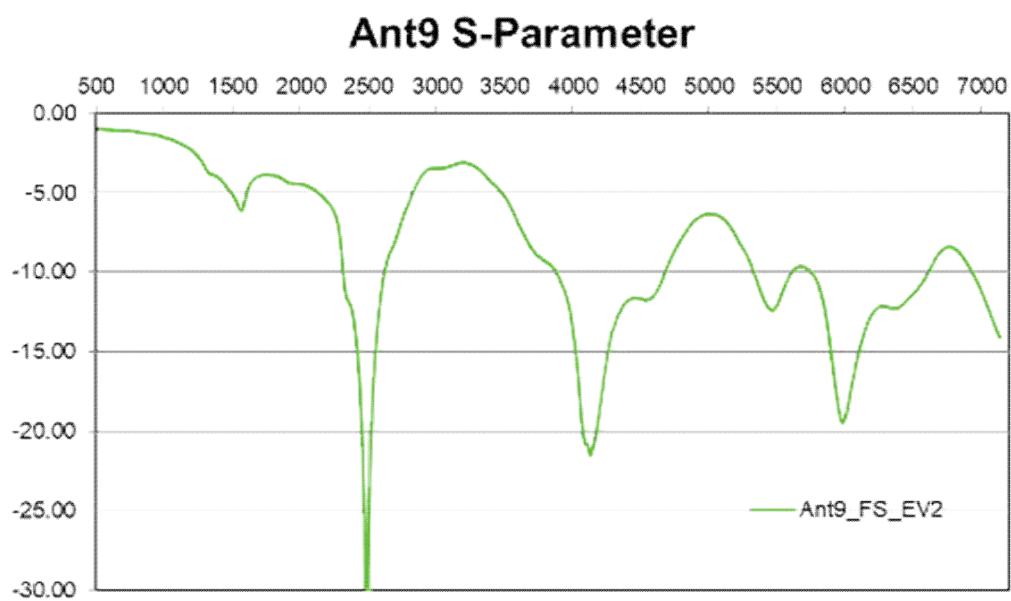
Phone : 886-3-3786960 Fax : 886-3-3786955

Antenna 9 Structure
1. Carrier + LDS
2. Coupling Structure

Antenna 8 Structure
1. Carrier + LDS
2. Coupling Structure

Antenna Performance Test

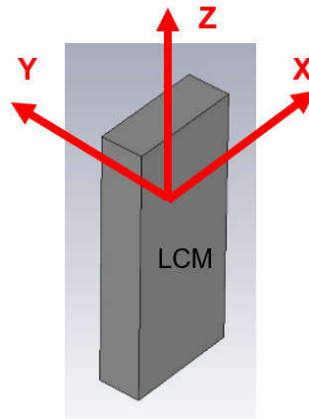
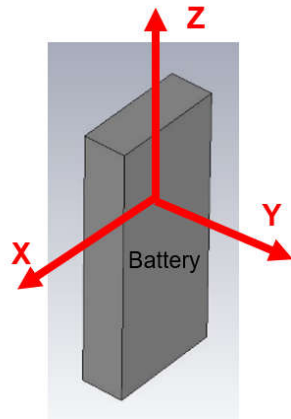
– S11 of antenna 9



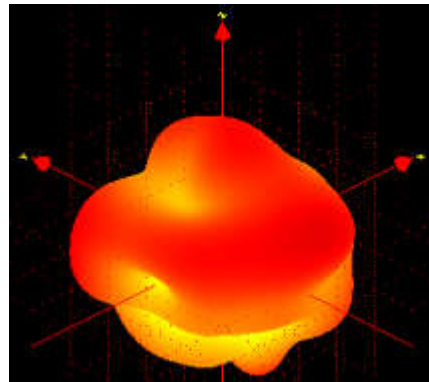
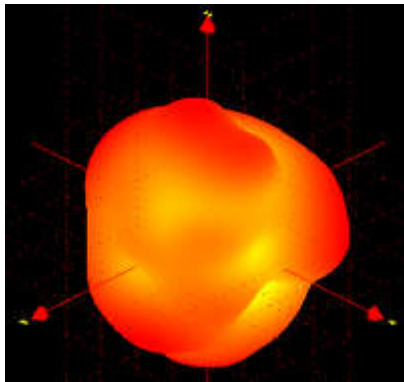
Antenna 9 Gain:

MHz	Average Gain (dBi)	Peak Gain (dBi)
Ant9_WiFi1		
2402	-2.97	0.66
2442	-3.19	0.18
2472	-2.98	0.37
5150	-3.15	-0.42
5250	-2.64	0.02
5350	-2.08	0.50
5470	-2.19	0.60
5725	-2.76	0.38
5850	-2.92	0.14
5925	-2.85	0.02
6425	-2.82	1.02
6525	-3.08	0.59
6875	-3.31	-1.19
7125	-2.40	0.45

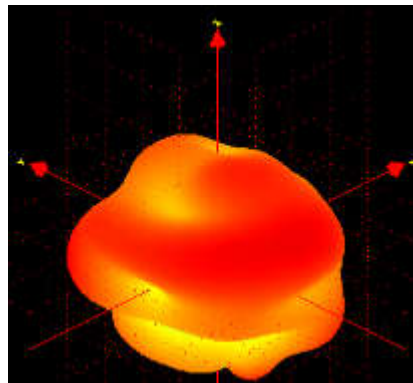
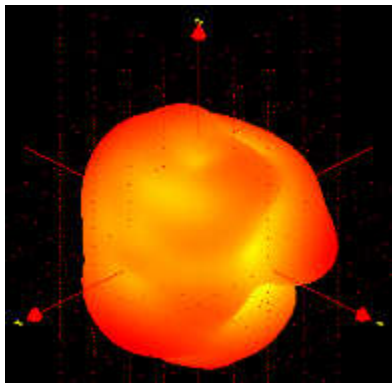
- Antenna 9 3D Radiation Pattern



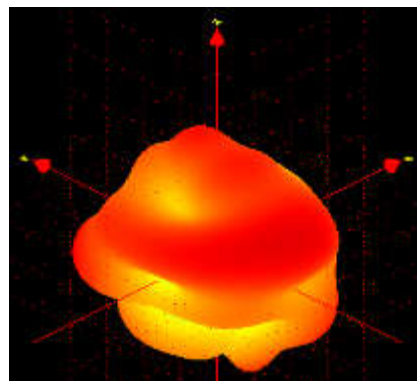
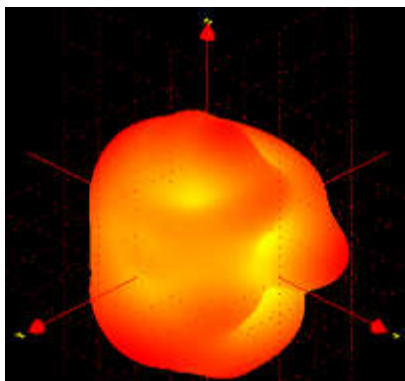
- 2402 MHz



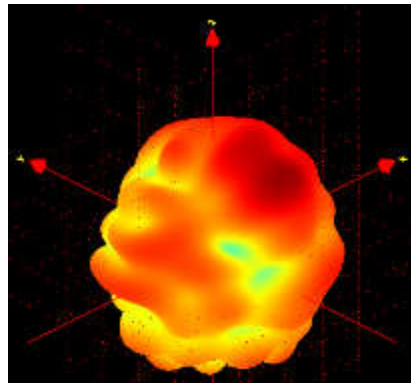
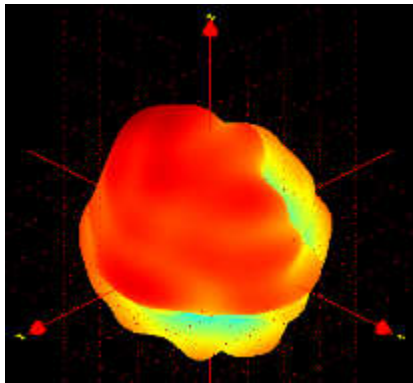
- 2442 MHz



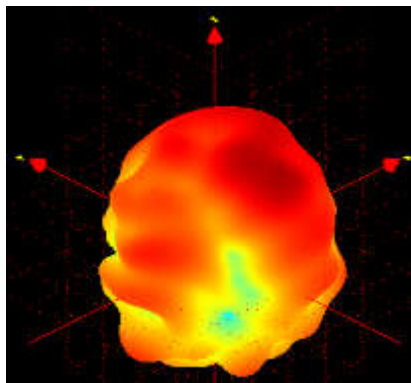
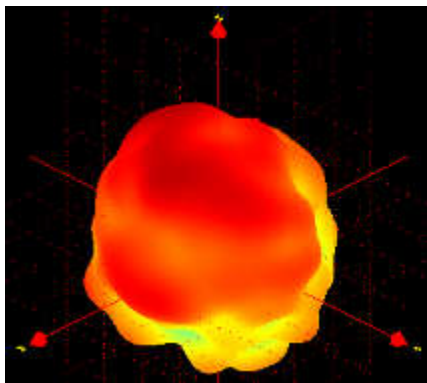
- 2472 MHz



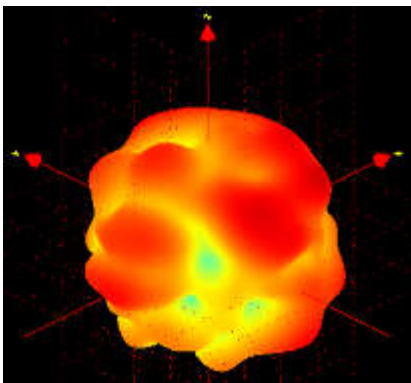
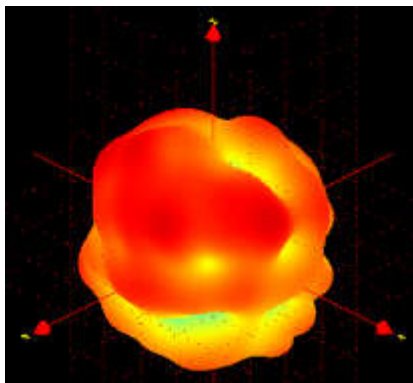
- 5150 MHz



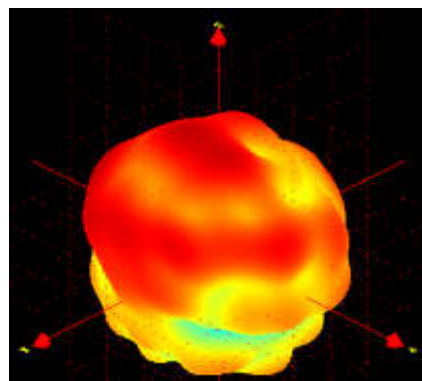
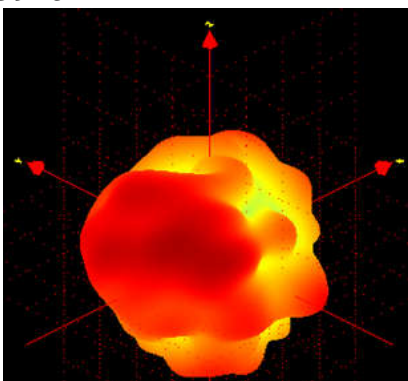
- 5470 MHz



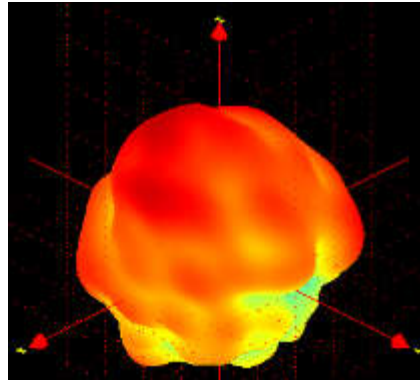
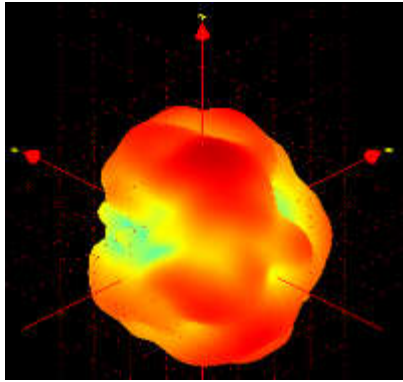
- 5850 MHz



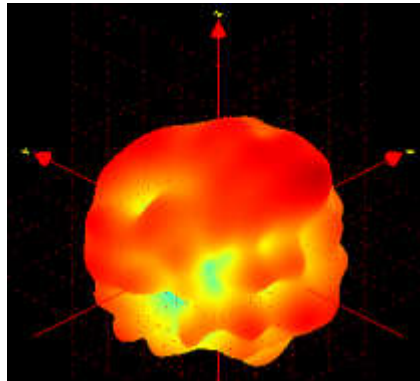
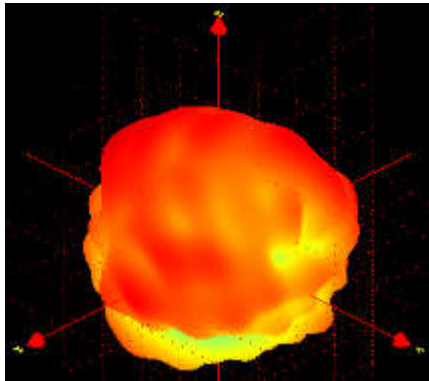
- 5925 MHz



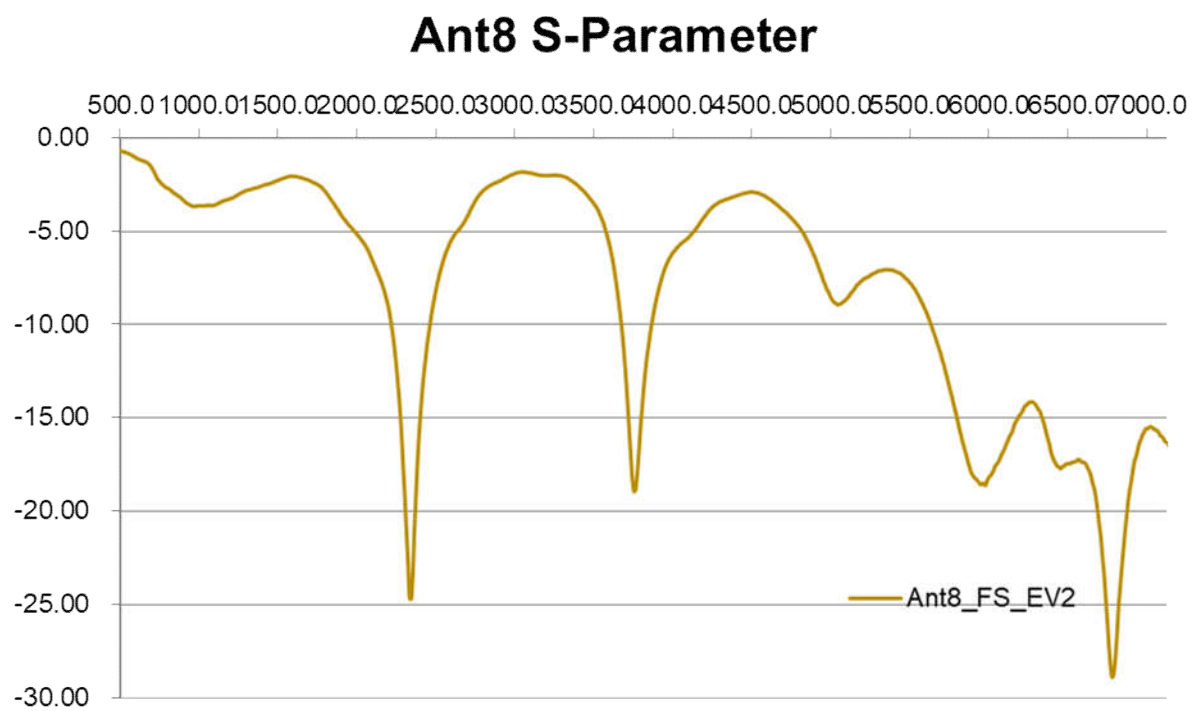
- 6525 MHz



- 7125 MHz



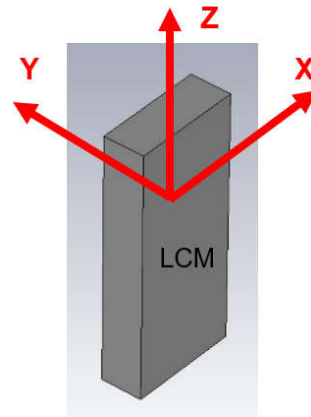
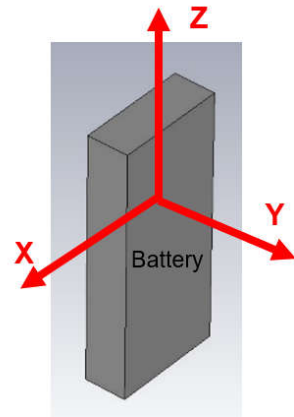
- S11 of antenna 8



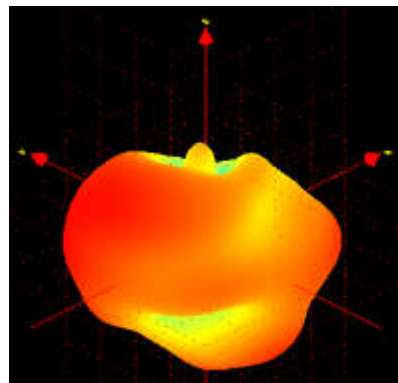
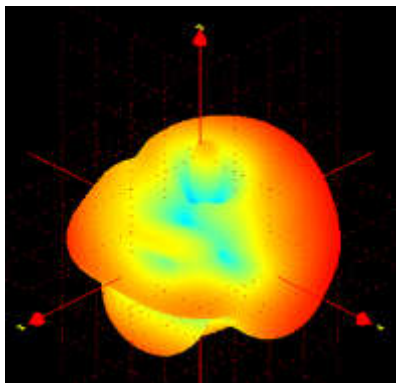
– Antenna 8 Gain

MHz	Average Gain (dBi)	Peak Gain (dBi)
Ant8_WiFi2		
2402	-2.72	1.79
2442	-3.11	1.62
2472	-3.32	1.20
5150	-3.06	1.66
5250	-2.54	1.89
5350	-2.10	1.90
5470	-2.55	1.51
5725	-2.46	1.76
5850	-2.69	1.66
5925	-2.94	1.65
6425	-3.10	1.03
6525	-2.93	0.73
6875	-2.54	0.50
7125	-2.56	-0.35

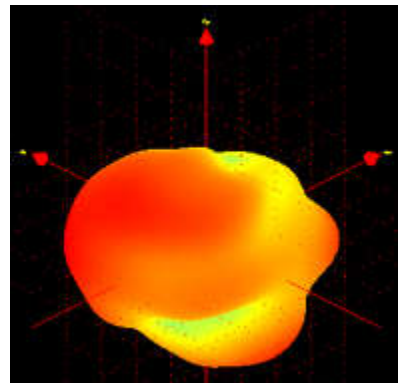
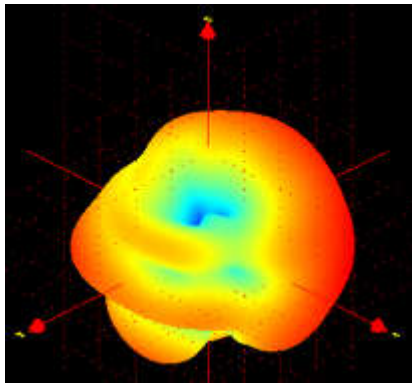
- Ant 8 3D Radiation Pattern



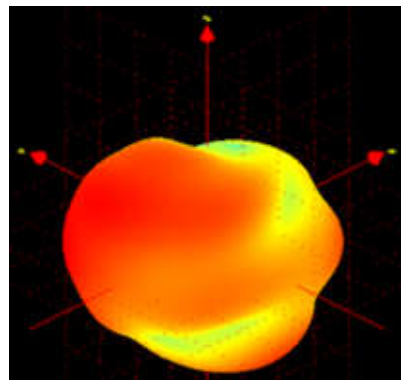
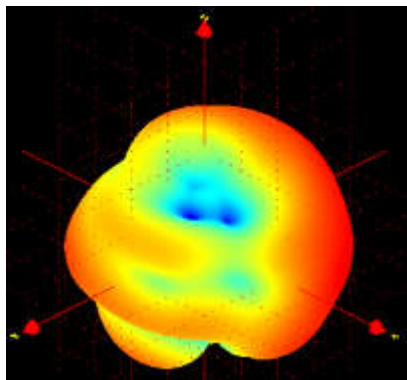
- 2402 MHz



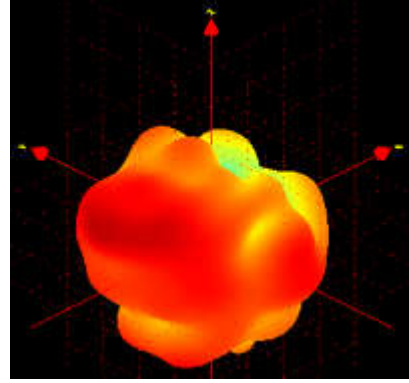
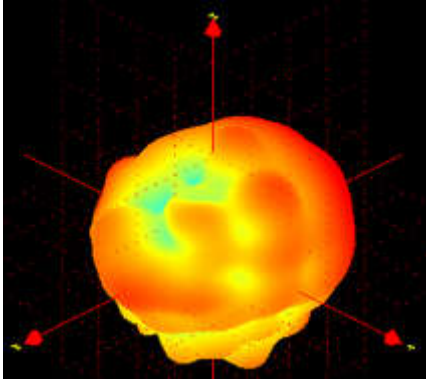
- 2442 MHz



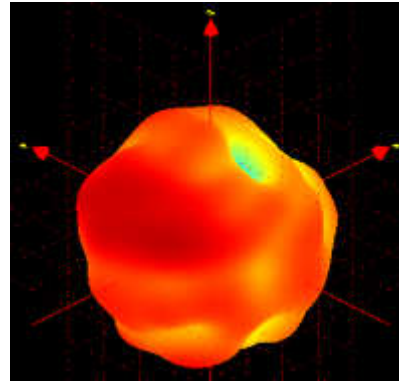
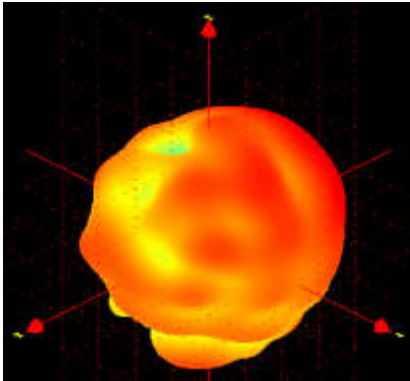
- 2472 MHz



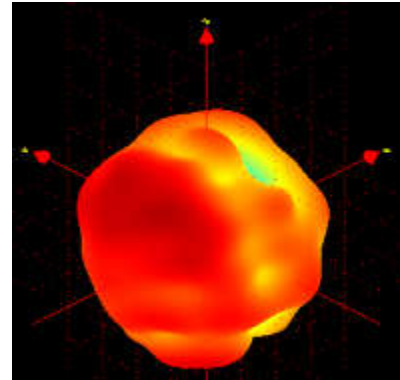
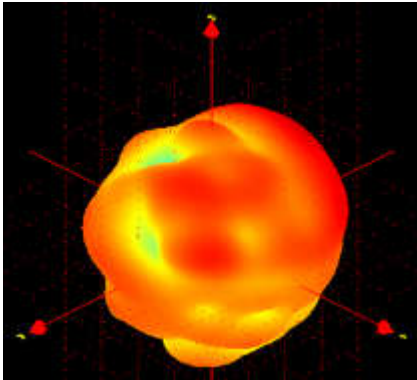
- 5150 MHz



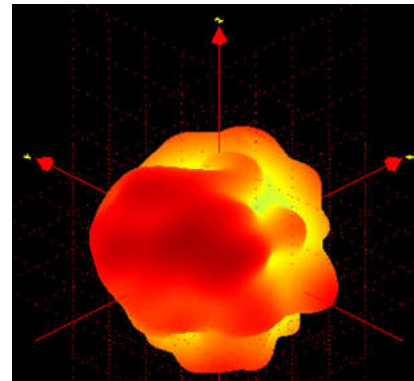
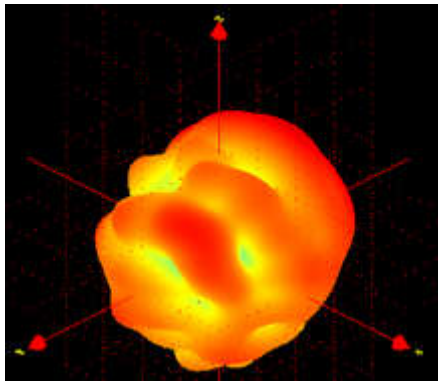
- 5470 MHz



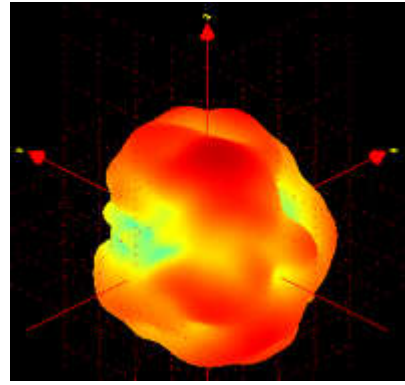
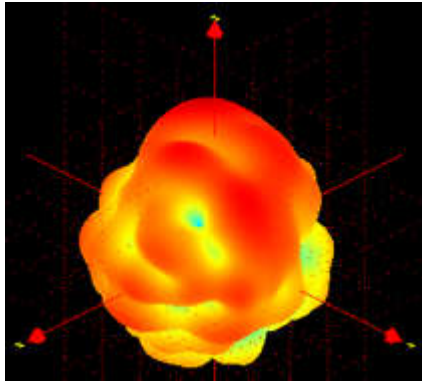
- 5850 MHz



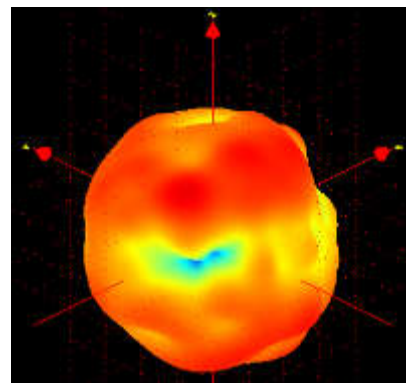
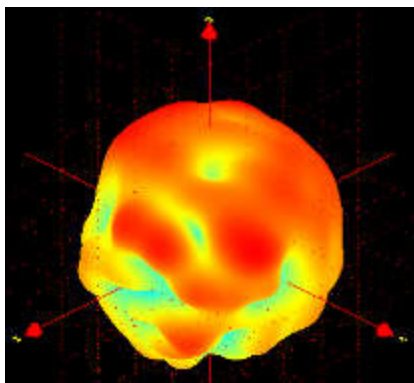
- 5925 MHz



- 6525 MHz



- 7125 MHz



List of calibrated test equipment

Agilent N5230A

anechoic chamber: Amphneol MVG-Satimo SG24

Calibration date: 2021/07/14