

# 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

<b>Amphenol Taiwan Corporation</b>			
<b>RF ENGINEER CHECKED</b>	<b>MECHANICAL ENGINEER CHECKED</b>	<b>R&amp;D MANAGER CHECKED</b>	<b>PRODUCT MANAGER CHECKED</b>
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.)

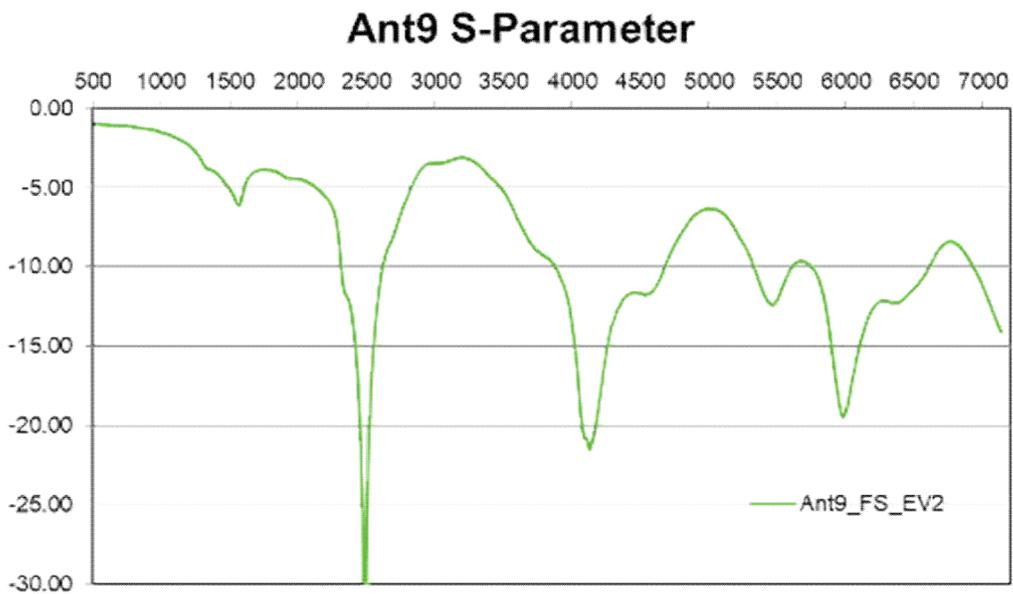
Phone : 886-3-3786960 Fax : 886-3-3786955

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

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

## Antenna Performance Test

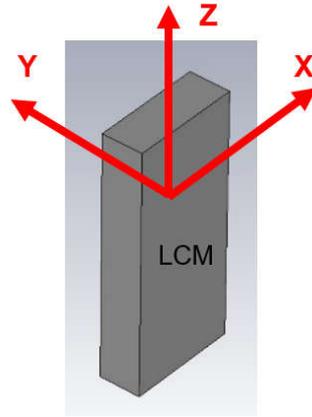
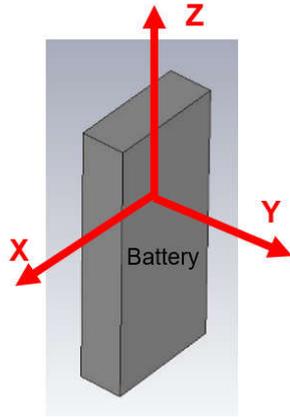
- S11 of antenna 9



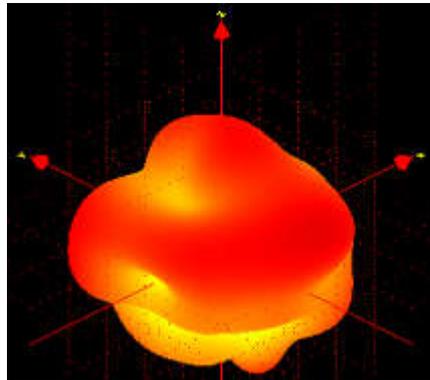
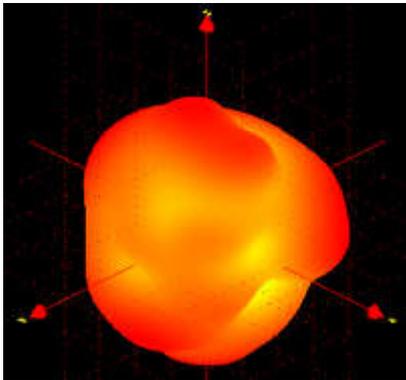
Antenna 9 Gain:

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

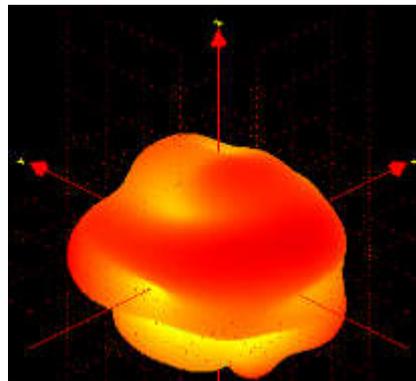
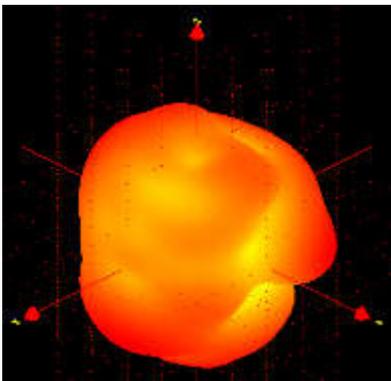
- Antenna 9 3D Radiation Pattern



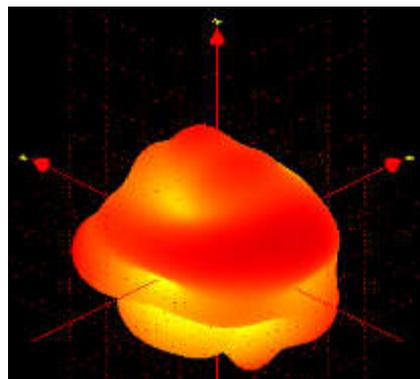
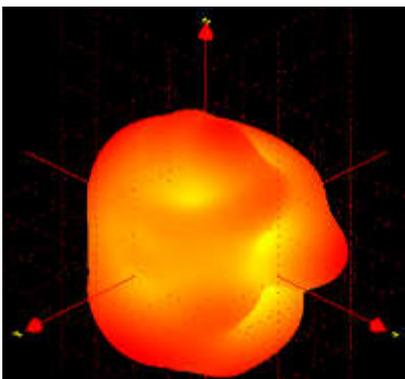
- 2402 MHz



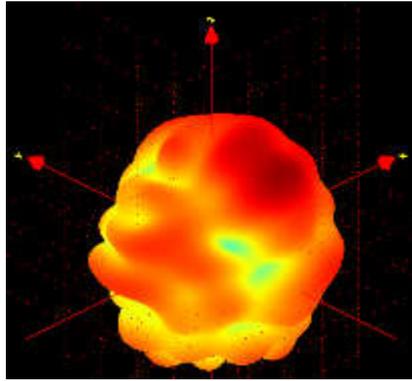
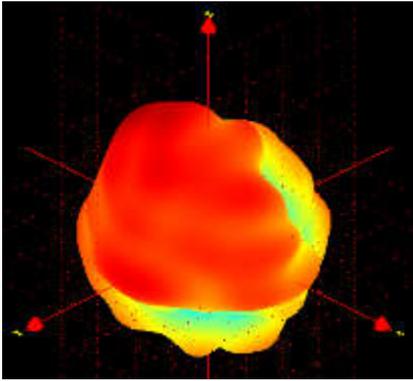
- 2442 MHz



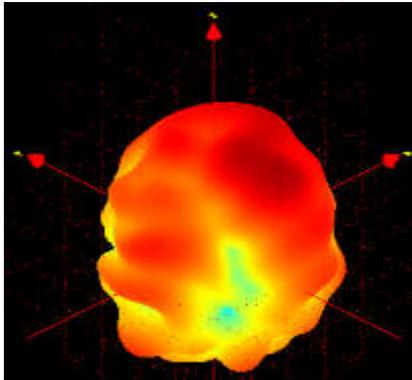
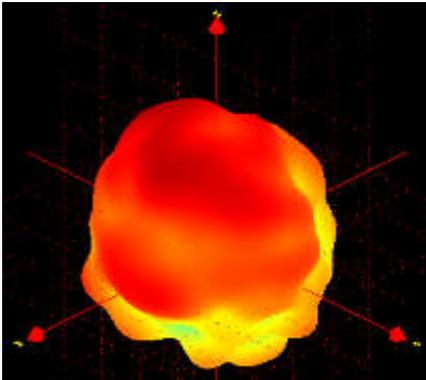
- 2472 MHz



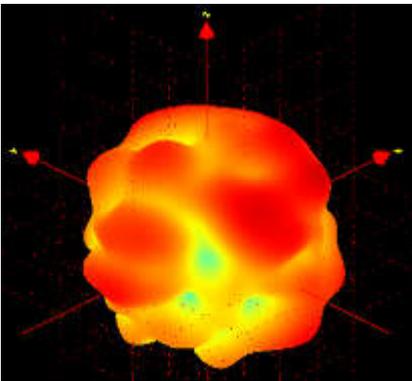
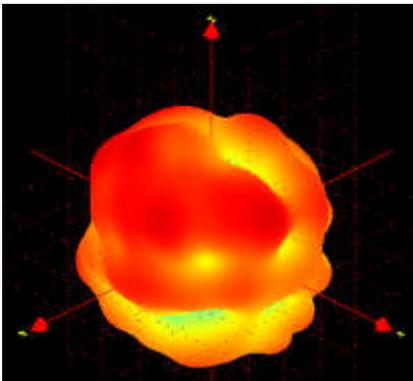
- 5150 MHz



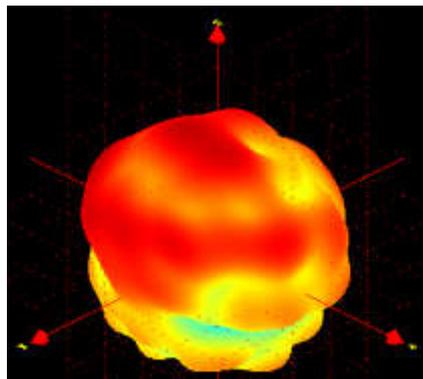
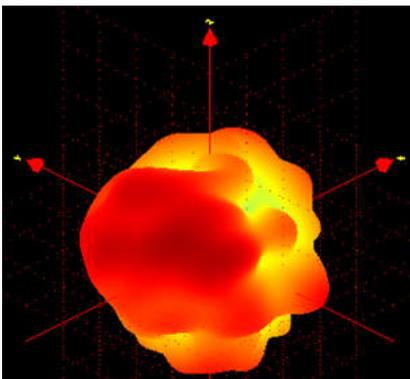
- 5470 MHz



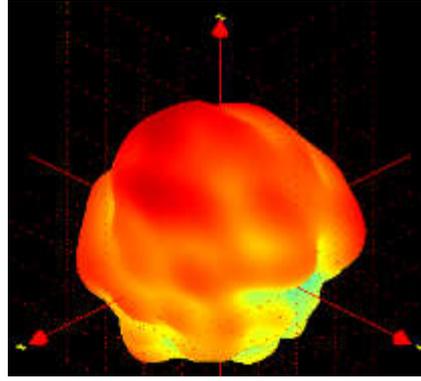
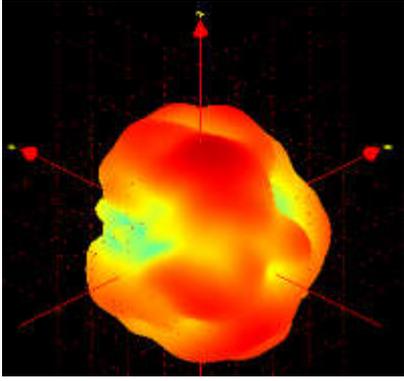
- 5850 MHz



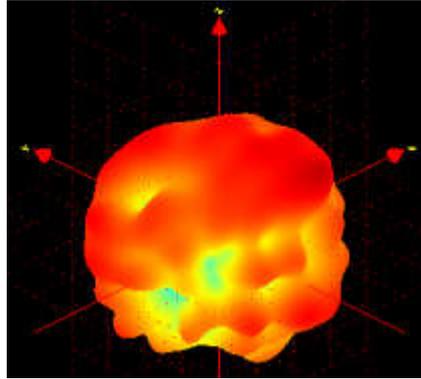
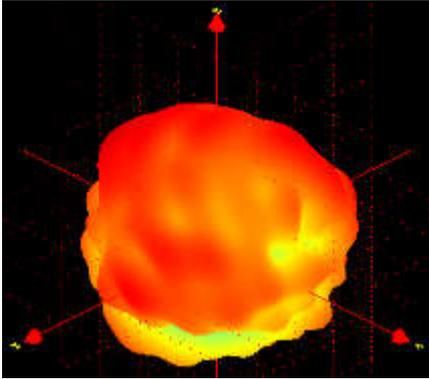
- 5925 MHz



- 6525 MHz

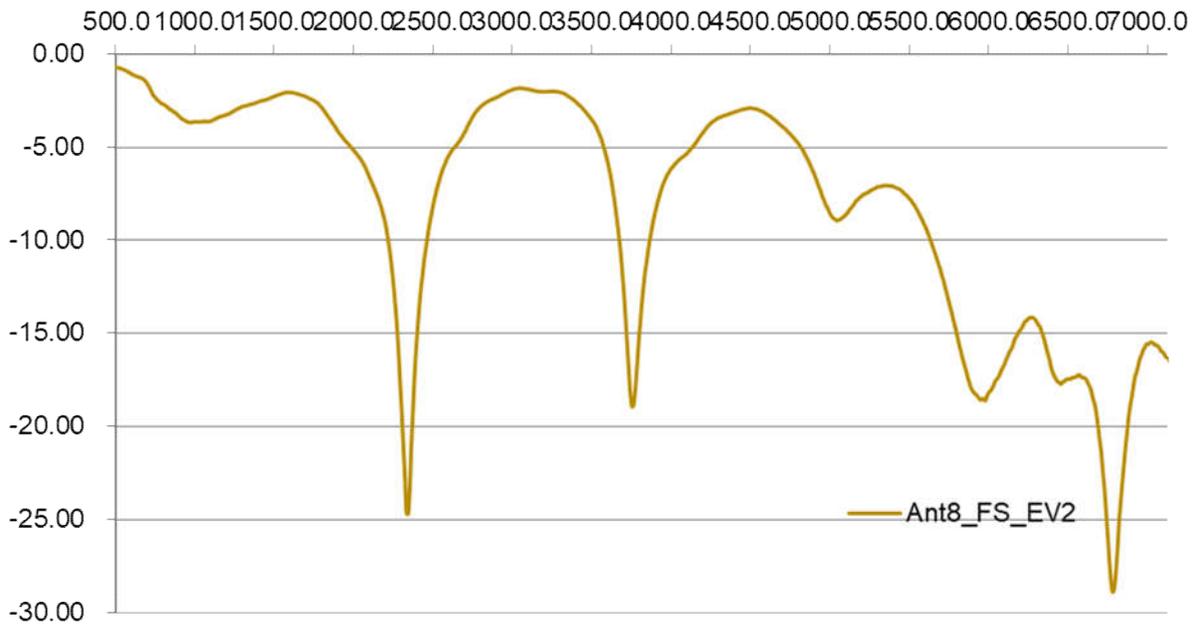


- 7125 MHz



- S11 of antenna 8

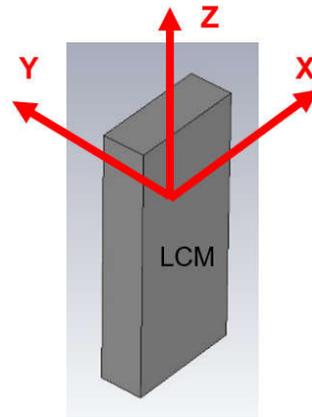
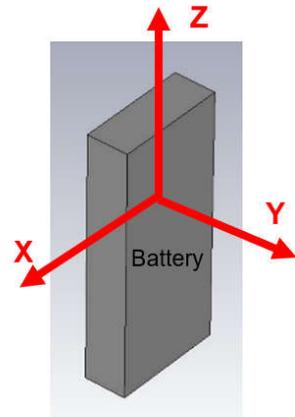
### Ant8 S-Parameter



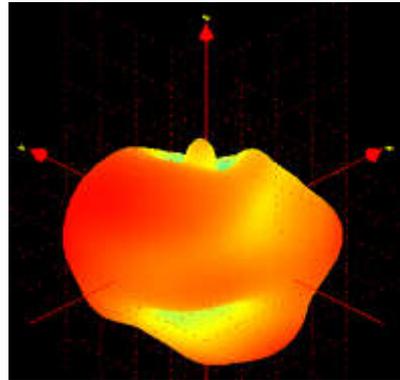
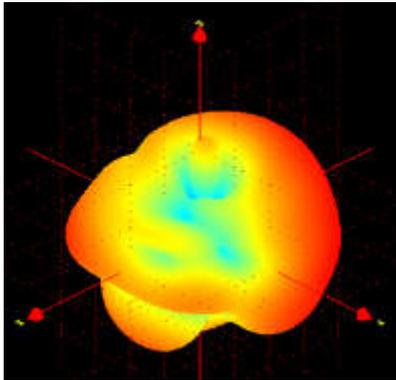
- Antenna 8 Gain

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

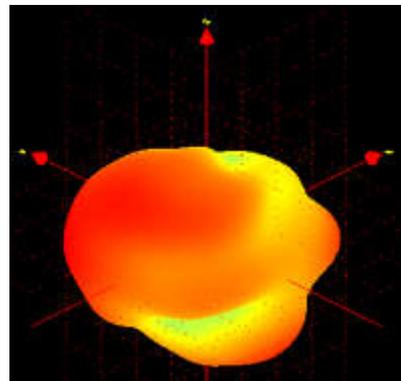
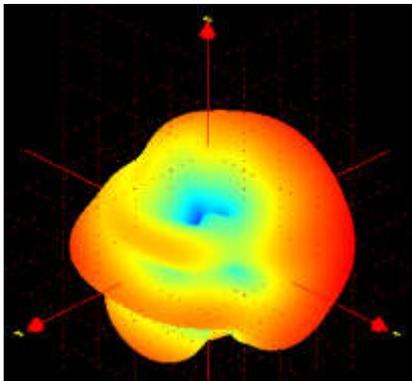
- Ant 8 3D Radiation Pattern



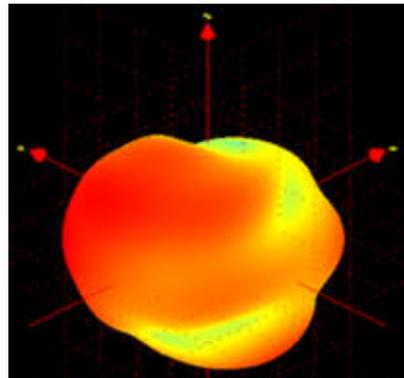
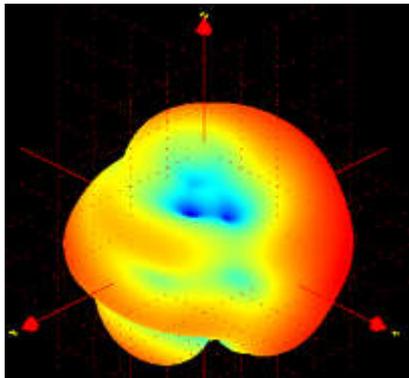
- 2402 MHz



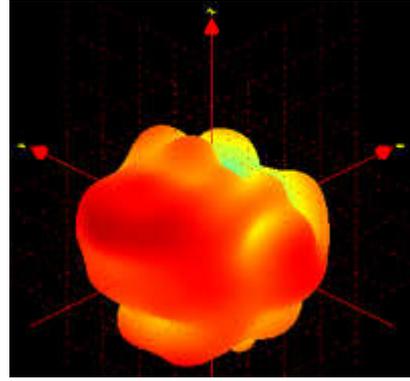
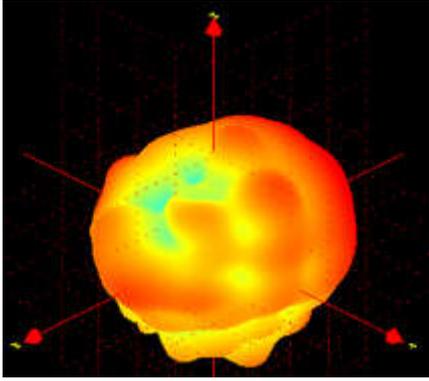
- 2442 MHz



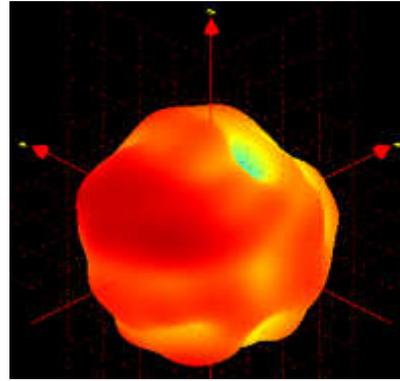
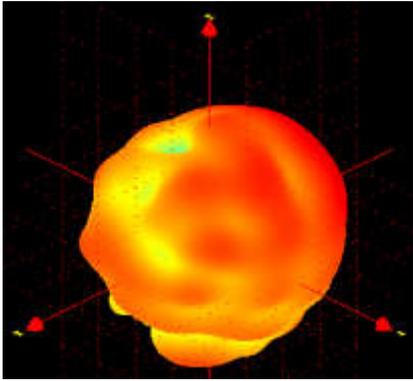
- 2472 MHz



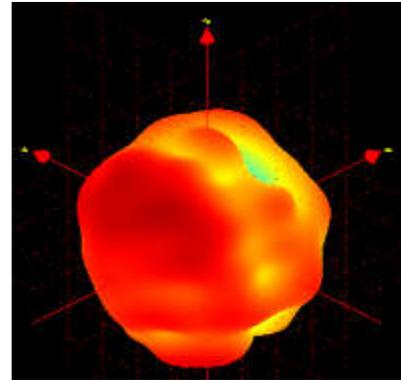
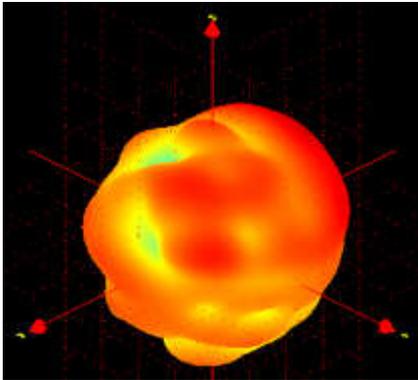
- 5150 MHz



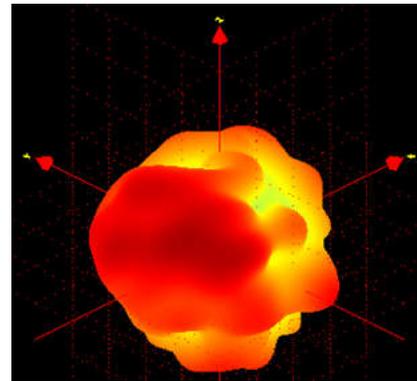
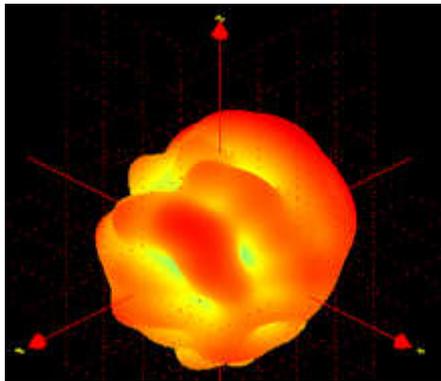
- 5470 MHz



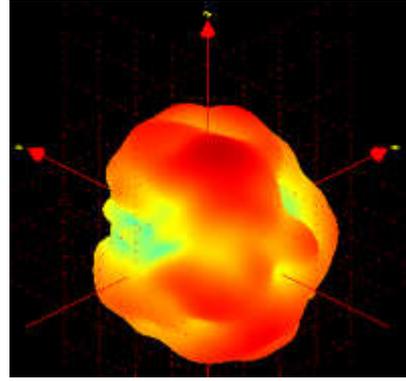
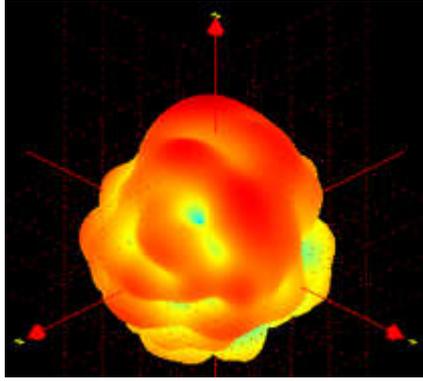
- 5850 MHz



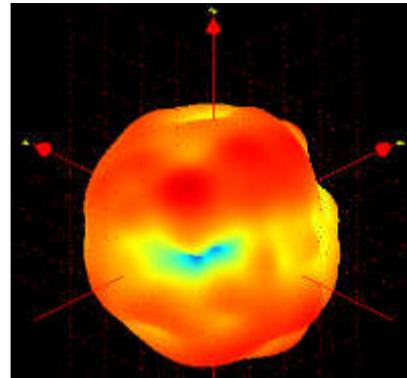
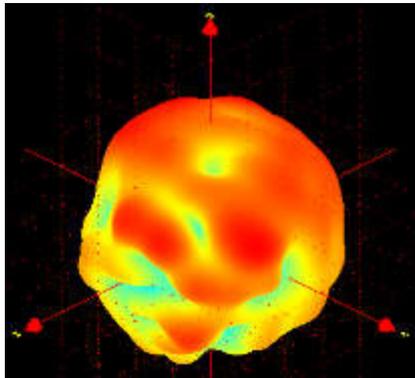
- 5925 MHz



- 6525 MHz



- 7125 MHz



List of calibrated test equipment

Agilent N5230A

anechoic chamber: Amphneol MVG-Satimo SG24

Calibration date: 2021/07/14