

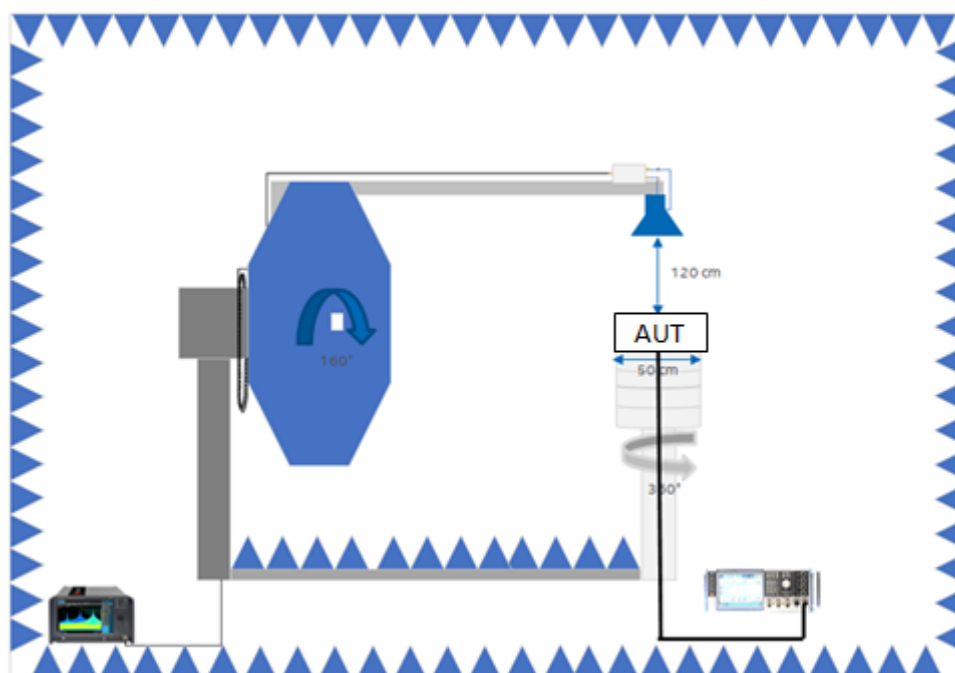
Antenna Datasheet

1. Measurement Method and System

3D spherical measurement using distributed axis system.

2. Test Setup & Equipment List

2.1. Test Setup



2.2. Equipment List

ID#	Device	Type/Model	Serial #	Manufacturer
009-000	Spherical full anechoic chamber	WPTC	P28765-00651-001-PRB	Rohde & Schwarz
009-001	Measurement software (v11.30)	AMS32	100084	Rohde & Schwarz
152-000	Cross-polarized vivaldi antenna	TC-TA85CP	101018	Rohde & Schwarz
345-000	Switch unit + LNA	TC-ELAMP-D	1533.6350.02	Rohde & Schwarz
335-000	Positionner	NCD	173167577	Maturo
143-000	Spectrum analyser	UXA N9040B	US57212210	Keysight
130-000	Signal generator	SMB 100A	178217	Rohde & Schwarz

3. Antenna Specification

3.1. Antenna information

Manufacturer	Type	Antenna Part number	Frequency range (MHz)	Peak Gain (dBi)
Intel WRF Lab	Slot	ANT24-S865-00	5925 - 6425	7.80
			6425 - 6525	7.32
			6525 - 6875	7.66
			6875 - 7125	6.96

3.2. Antenna Peak Gain Table

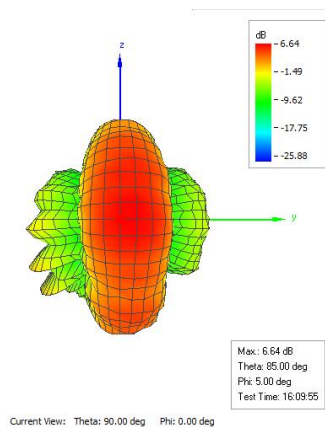
Frequency (MHz)	Peak gain
	(dBi)
5925	6.64
6425	7.80
6525	7.32
6875	7.66
7125	6.96

4. Antenna Radiation Patterns

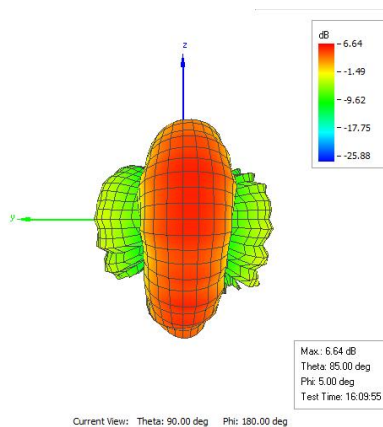
4.1. Pattern @ 5925 MHz

Frequency (MHz)	Peak gain
	(dBi)
5925	6.64

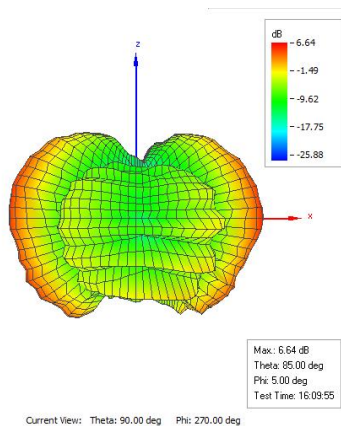
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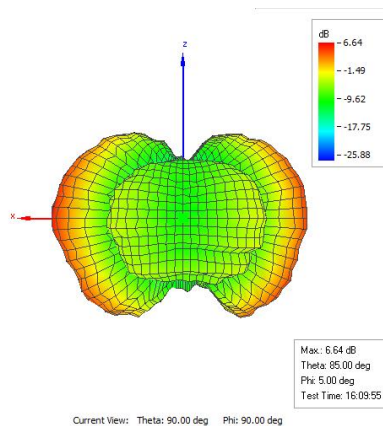
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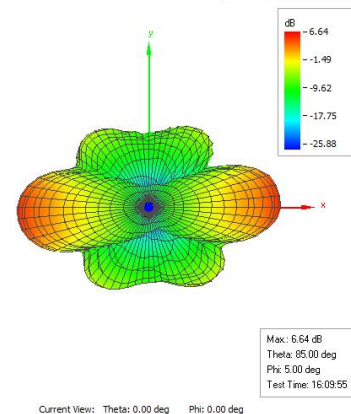
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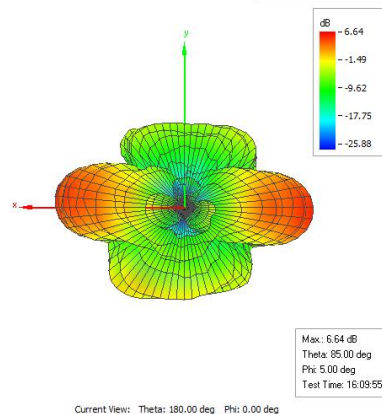
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Top

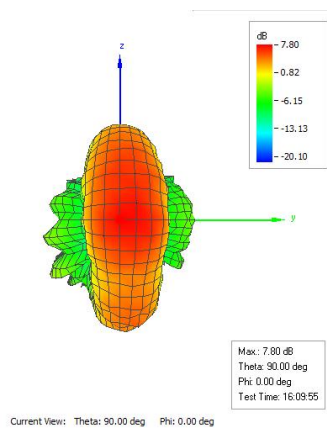
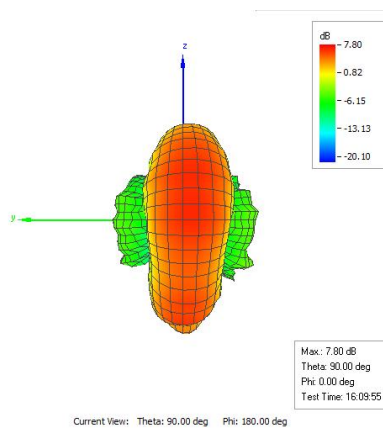
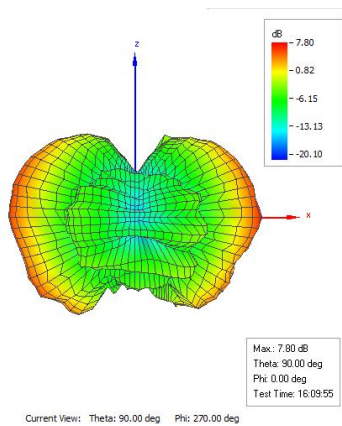
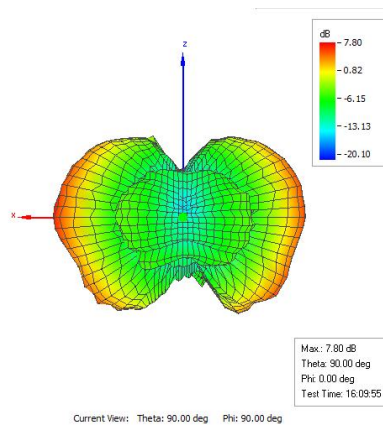
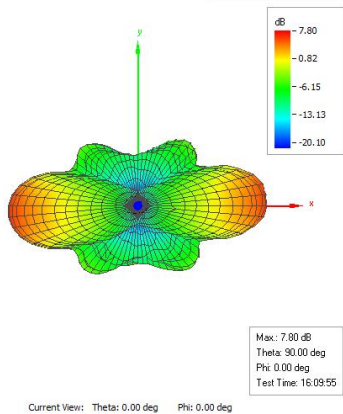
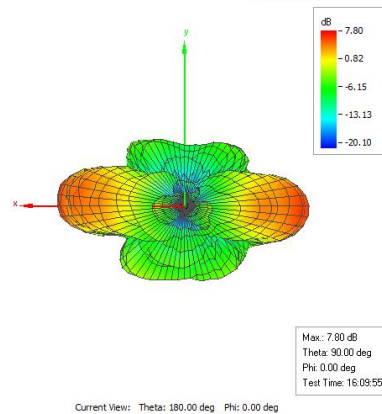


Bottom



4.2. Pattern @ 6425 MHz

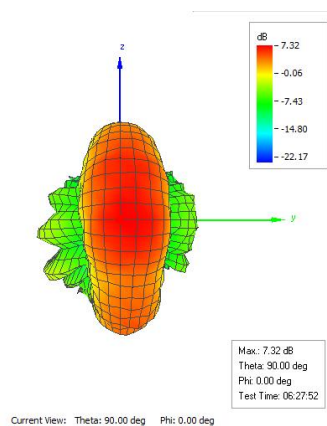
Frequency (MHz)	Peak gain
	(dBi)
6425	7.80

Front**Back****Left****Right****Top****Bottom**

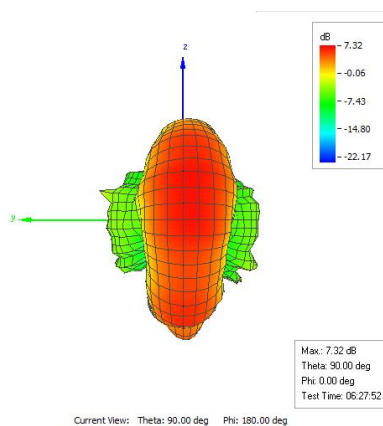
4.3. Pattern @ 6525 MHz

Frequency (MHz)	Peak gain
	(dBi)
6525	7.32

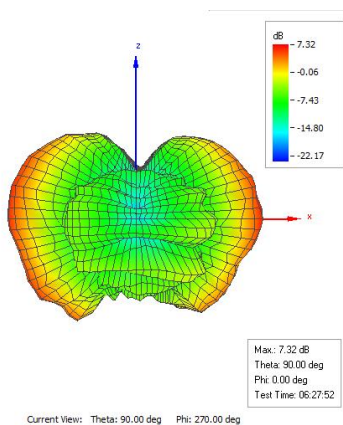
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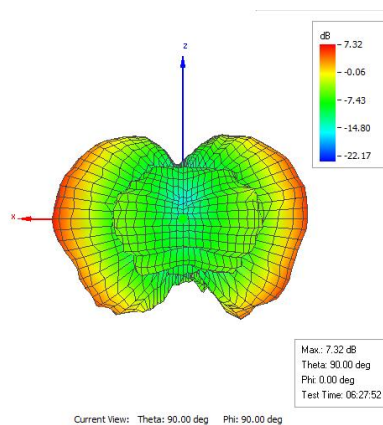
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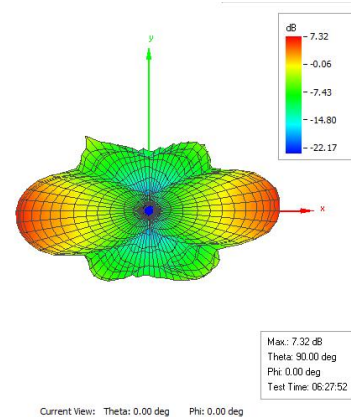
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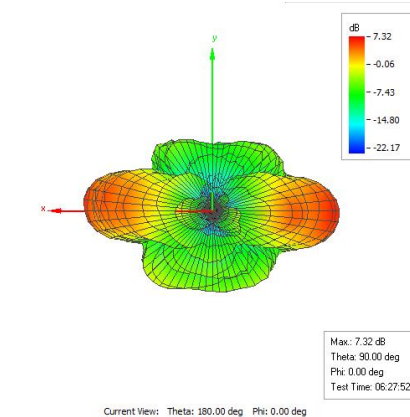
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Top

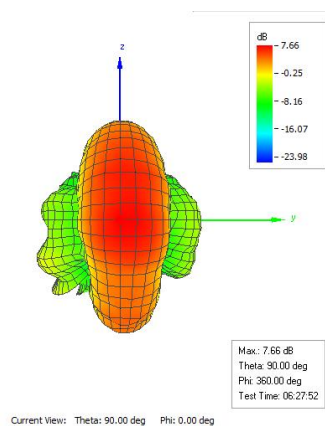
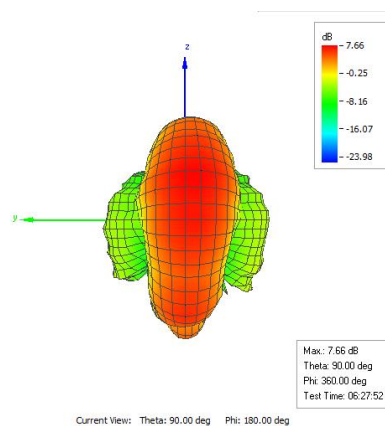
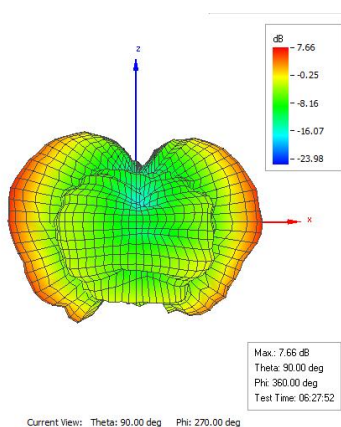
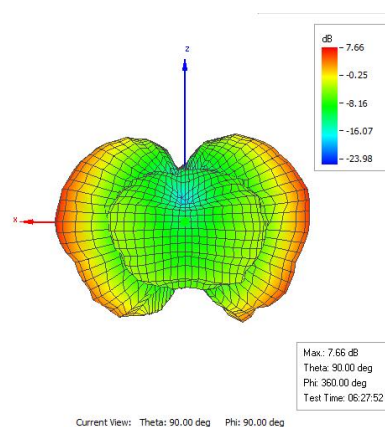
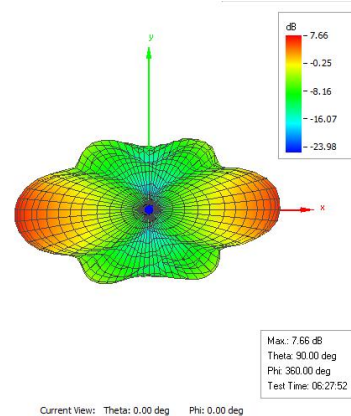
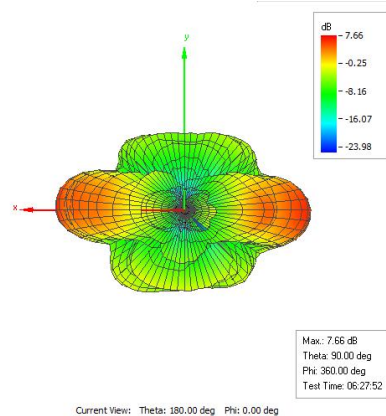


Bottom



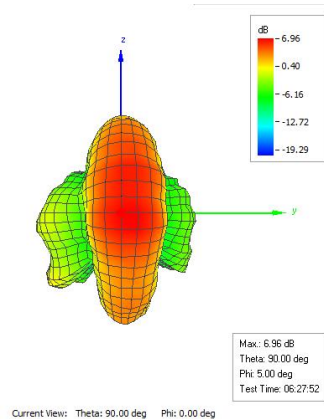
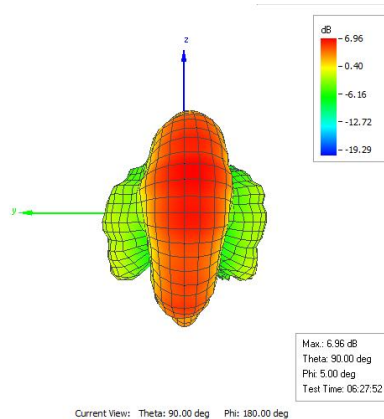
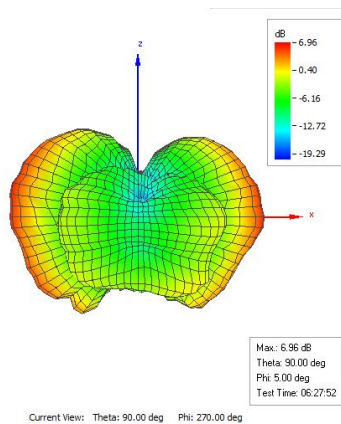
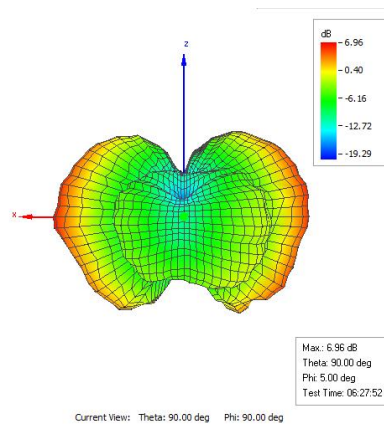
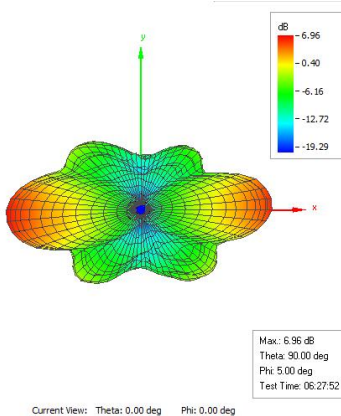
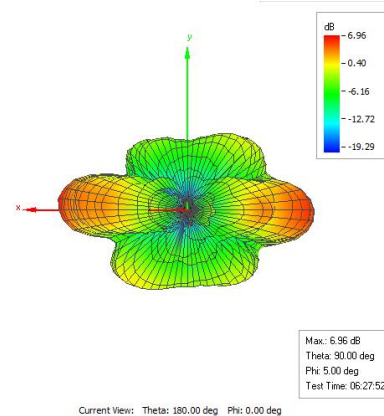
4.4. Pattern @ 6875 MHz

Frequency (MHz)	Peak gain
	(dBi)
6875	7.66

Front**Back****Left****Right****Top****Bottom**

4.5. Pattern @7125MHz

Frequency (MHz)	Peak gain
	(dBi)
7125	6.96

Front**Back****Left****Right****Top****Bottom**

5. VSWR

