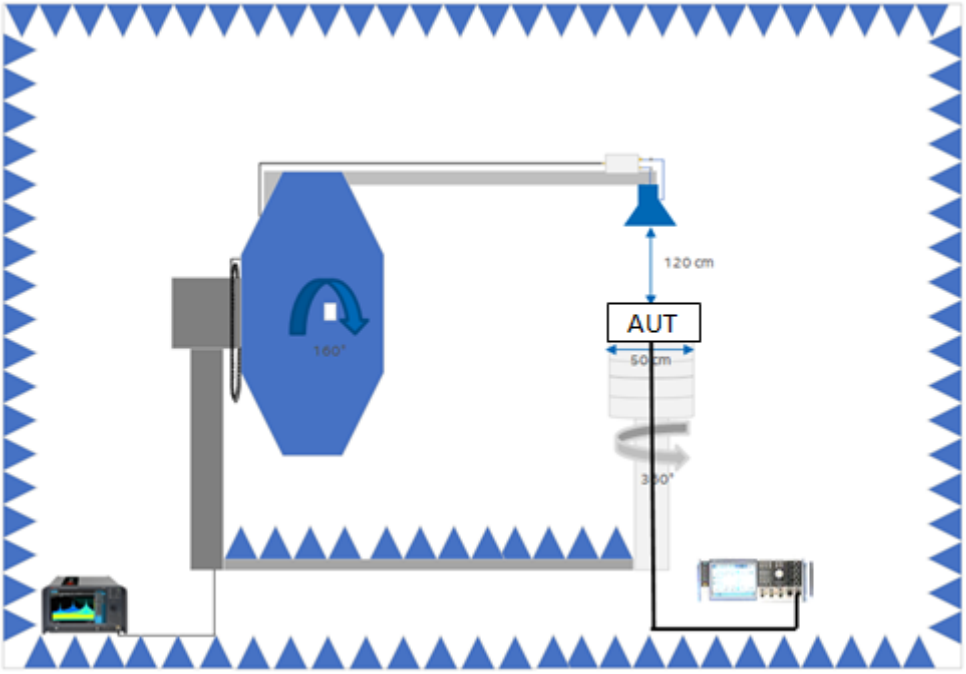
Antenna Datasheet

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-S855-00	5150 - 5250	7.67
			5250 - 5350	7.67
			5470 - 5895	7.84

3.2. Antenna Peak Gain Table

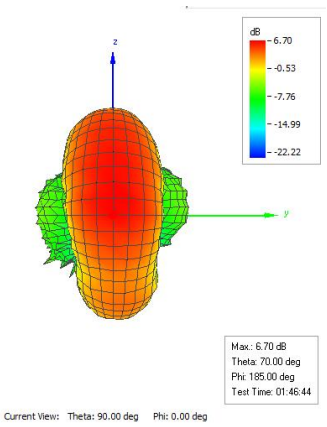
Frequency (MHz)	Peak gain (dBi)
5150	6.70
5250	7.67
5470	7.81
5725	7.84

4. Antenna Radiation Patterns

4.1. Pattern @ 5150 MHz

Frequency (MHz)	Peak gain (dBi)
5150	6.70

Front



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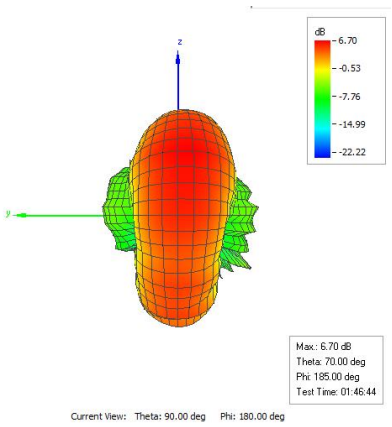

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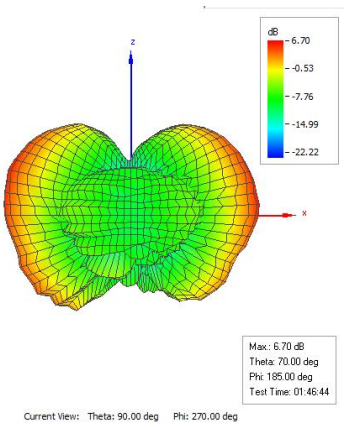

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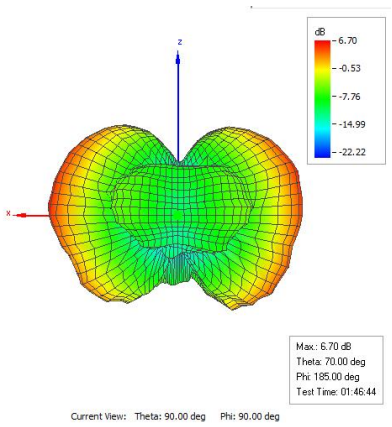

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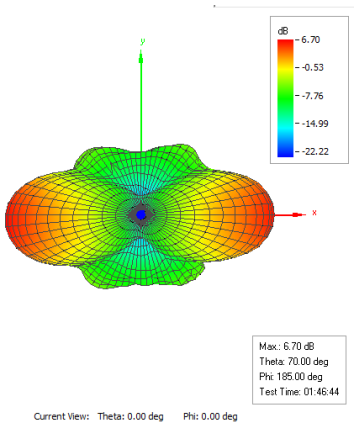

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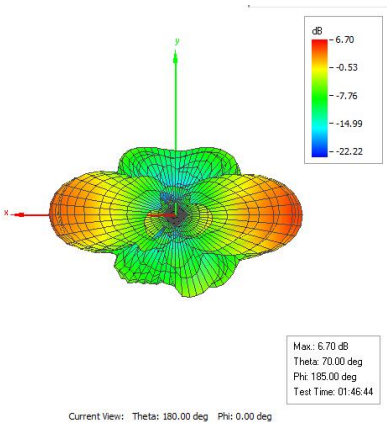

4.2. Pattern @ 5250 MHz

Frequency (MHz)	Peak gain (dBi)
5250	7.67

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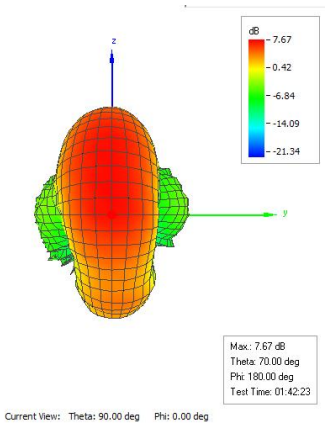

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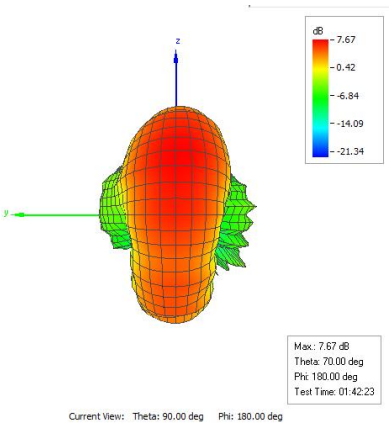

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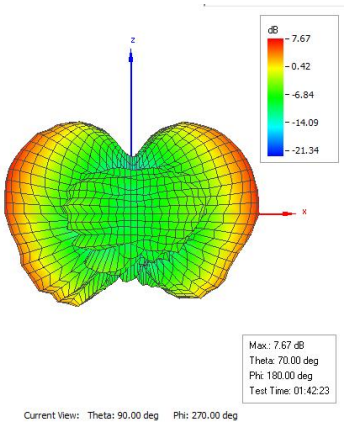

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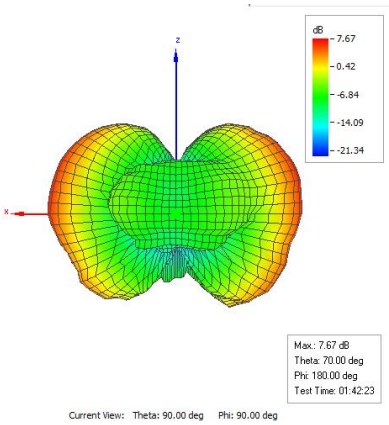

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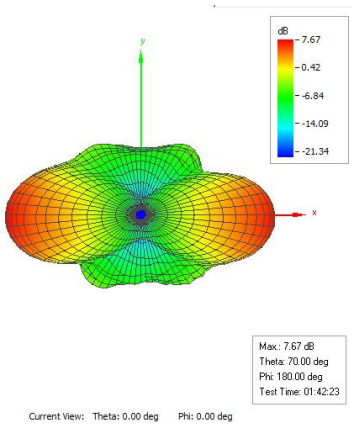

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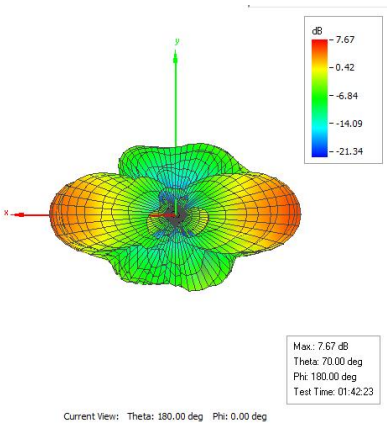
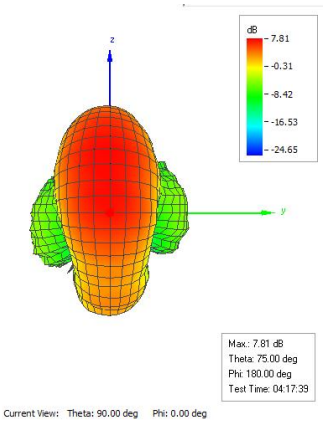


4.3. Pattern @ 5470 MHz

Frequency (MHz)	Peak gain (dBi)
5470	7.81

Front



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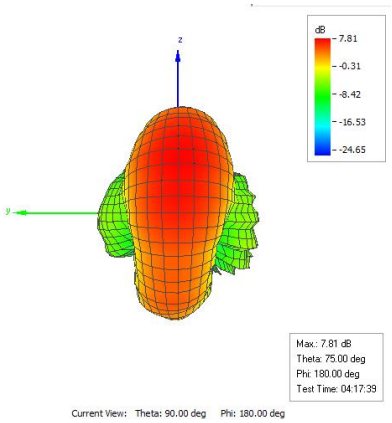

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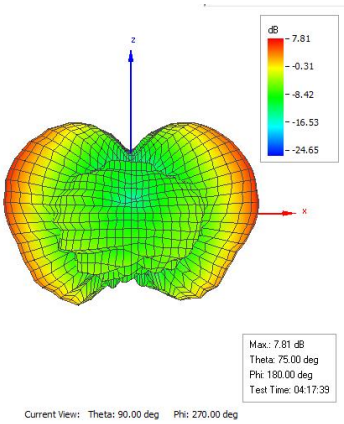

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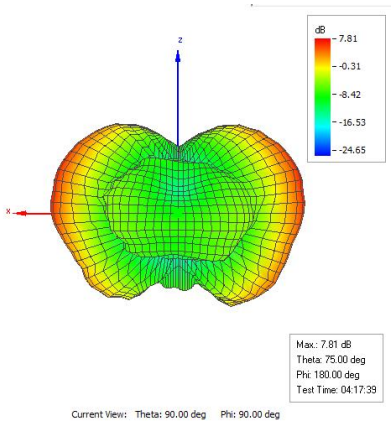

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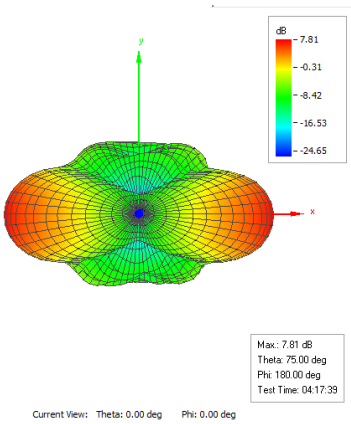

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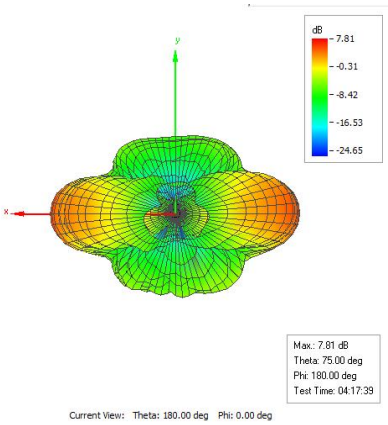
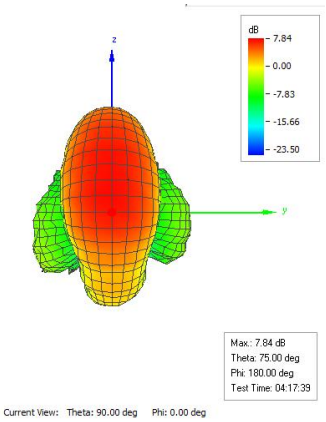


4.4. Pattern @ 5725 MHz

Frequency (MHz)	Peak gain (dBi)
5725	7.84

Front



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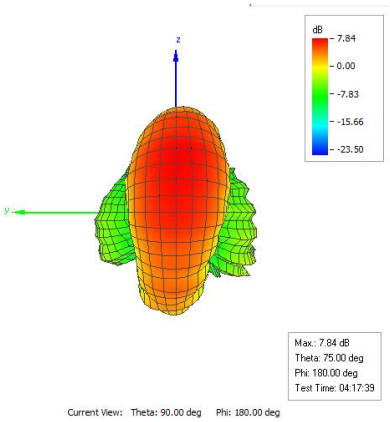

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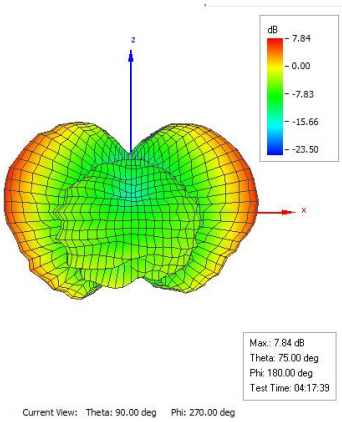

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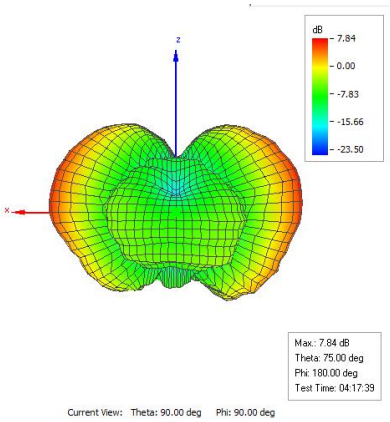

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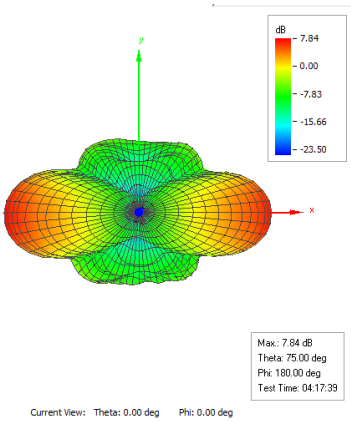

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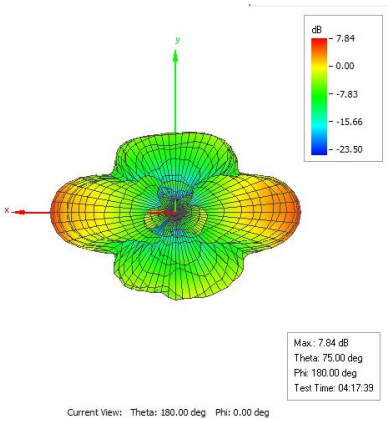

5. VSWR