

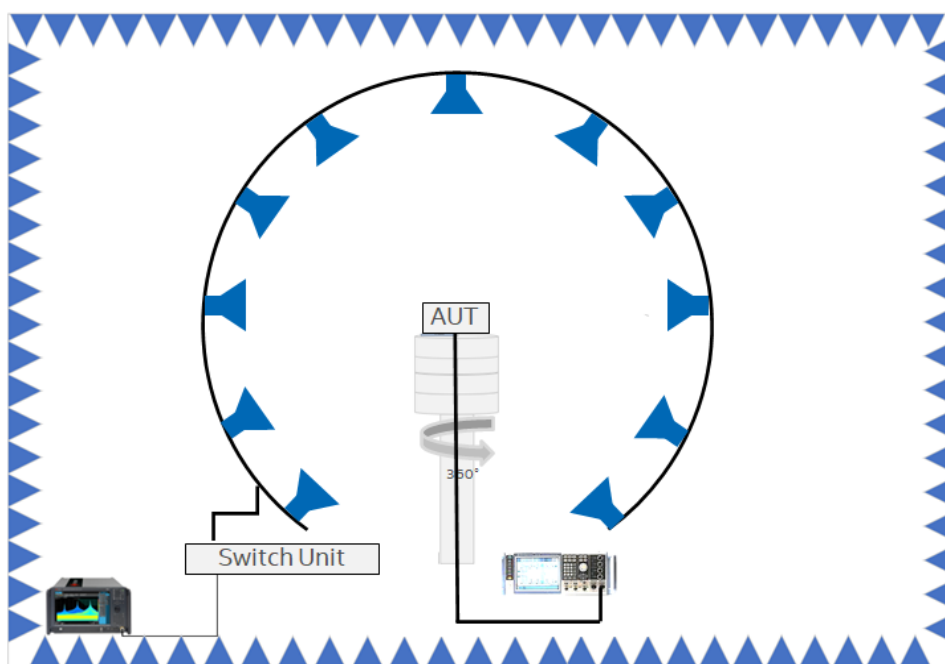
Antenna Datasheet

1. Measurement Method and System

3D spherical measurement using distributed axis system

2. Test Setup & Equipment List

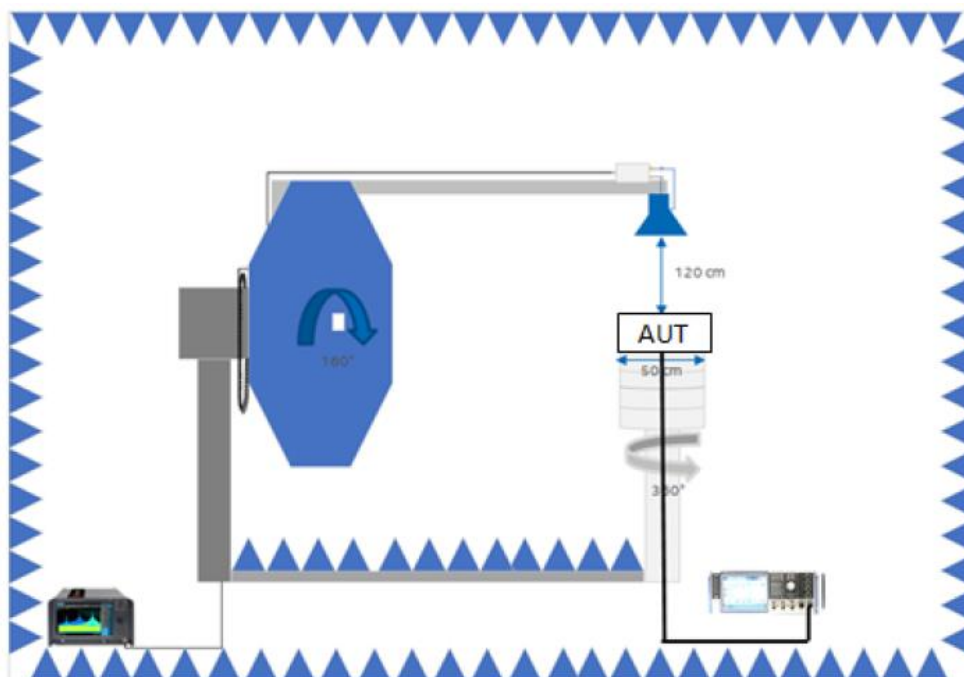
2.1. Test Setup 1



2.2. Equipment List Setup 1

ID#	Device	Type/Model	Serial #	Manufacturer
013-000	Spherical full anechoic chamber	AMS-8923-150	5719	ETS-Lindgren
013-011	Measurement Software	EMQuest v 1.14 build 31654	1404	ETS-Lindgren
013-001	Switch & Positioning Control Platform	EMCenter	00159758	ETS-Lindgren
013-003	System Amplifier Module (0.5 - 6 GHz)	SAM-01	-	ETS-Lindgren
271-000	Signal Analyzer 9kHz – 6GHz	FSL6	102143	Rohde & Schwarz
130-000	Signal generator	SMB 100A	178217	Rohde & Schwarz

2.3. Test Setup 2



2.4. Equipment List Setup 2

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	1533.0350.02	Rohde & Schwarz
335-000	Positioner	NCD	173167577	Maturo
143-000	Spectrum analyser	UXA N90408	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	PIFA	ANT24-P624-00	2400 - 2484	6.0

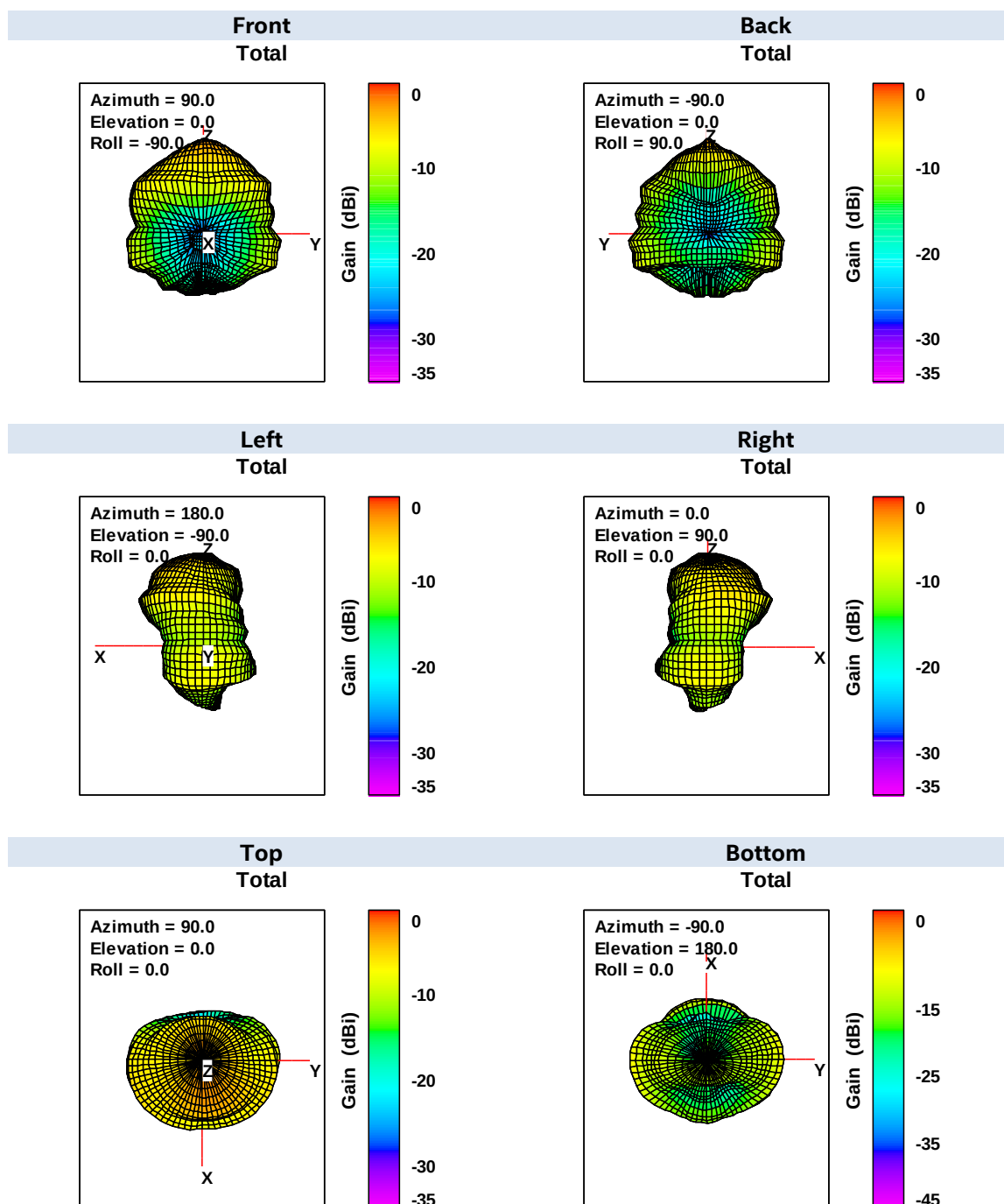
3.2. Antenna Peak Gain Table

Frequency (MHz)	Peak gain
	(dBi)
2400	5.99
2450	6.00
2483	5.74

4. Antenna Radiation Patterns

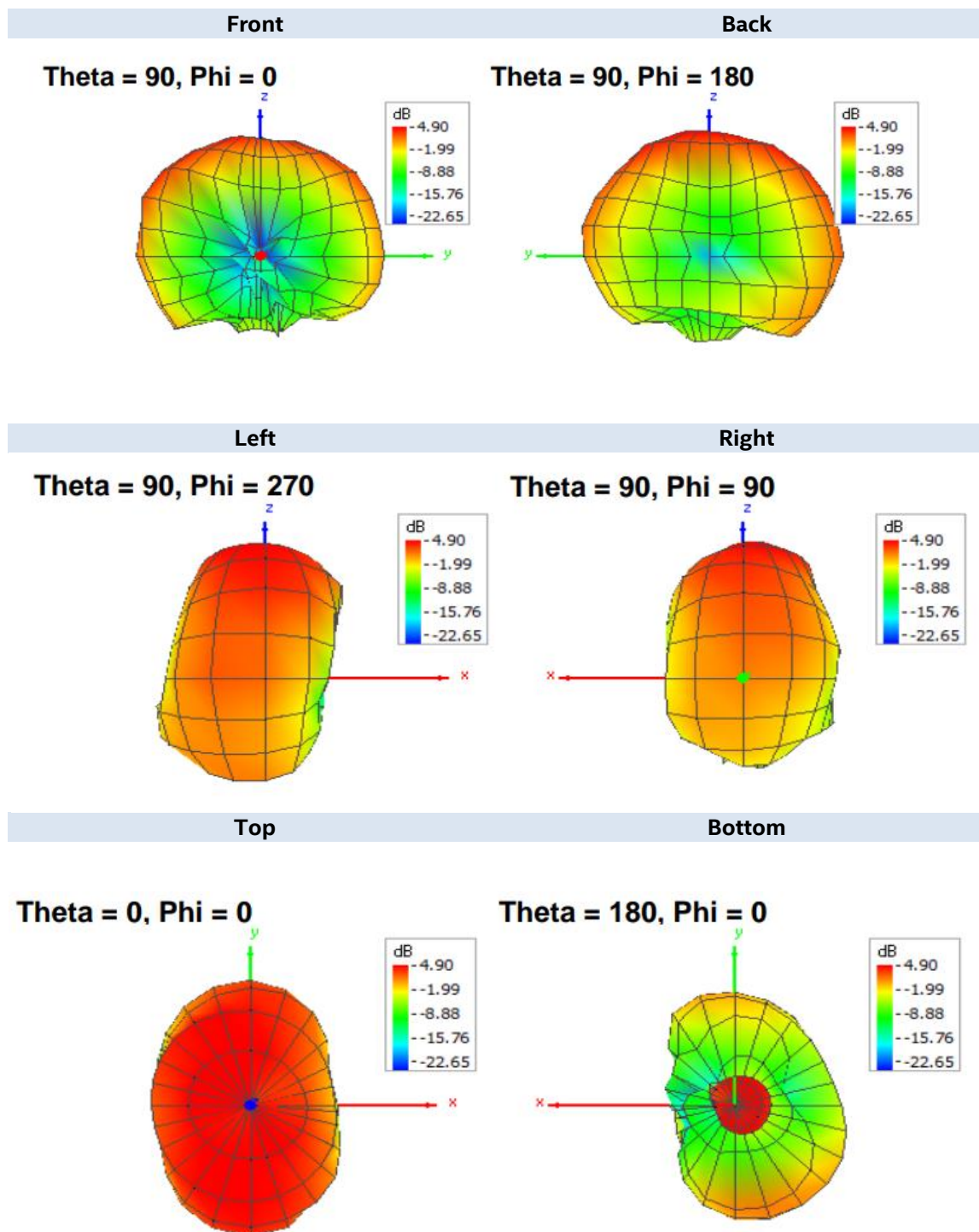
4.1. Pattern @ 2400 MHz

Frequency (MHz)	Peak Gain
	(dBi)
2400	5.99



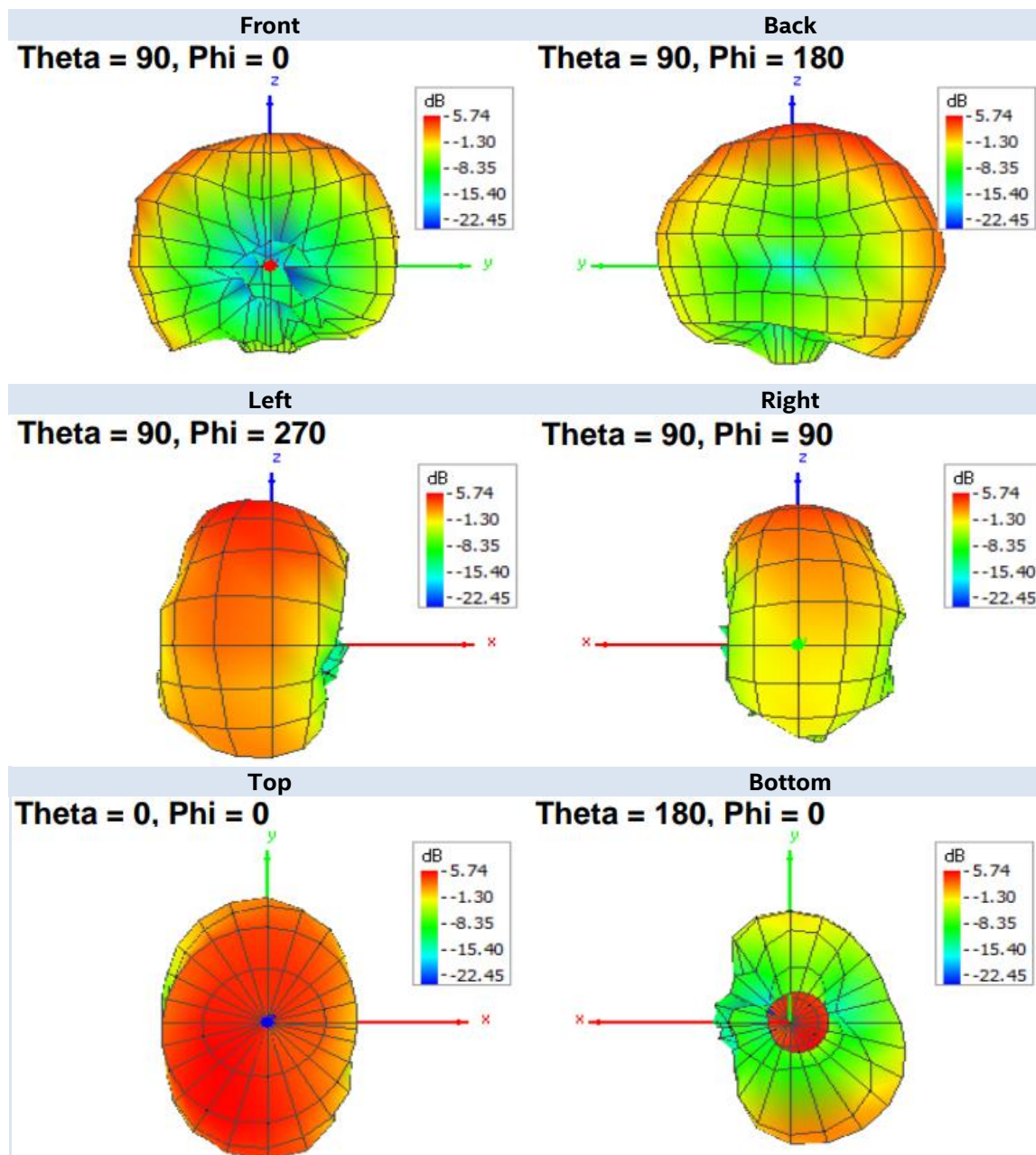
4.2. Pattern @ 2450 MHz

Frequency (MHz)	Peak Gain
	(dBi)
2450	6.00



4.3. Pattern @ 2483 MHz

Frequency (MHz)	Peak Gain
	(dBi)
2483	5.74



5. VSWR

