

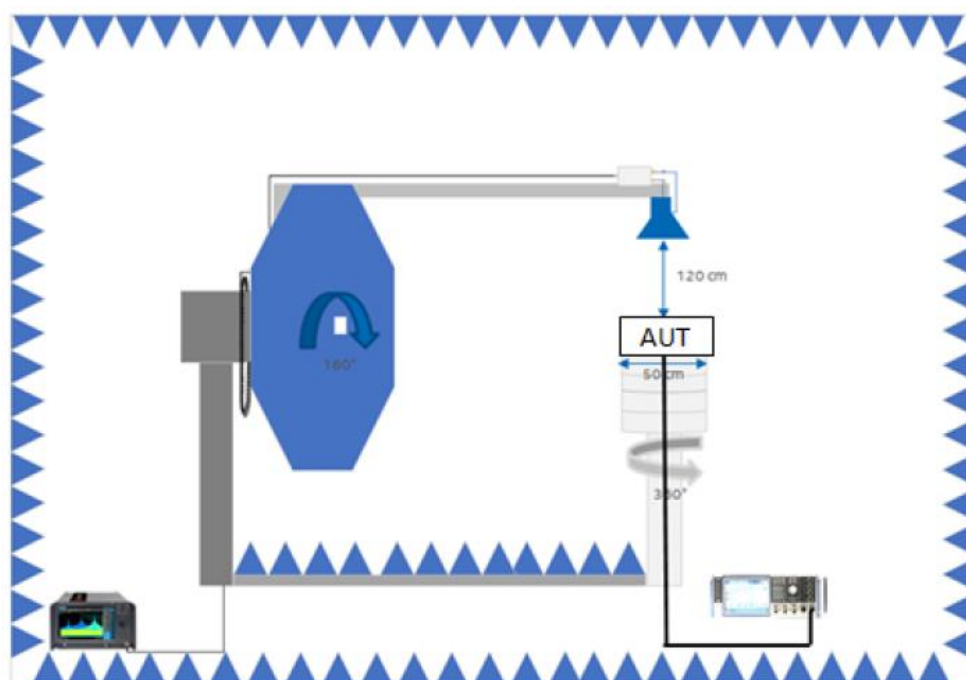
Antenna Datasheet

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 Setup

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	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	Monopole	ANT24-M865-00	5925 - 6425	7.75
			6425 - 6525	6.84
			6525 - 6875	7.45
			6875 - 7125	7.75

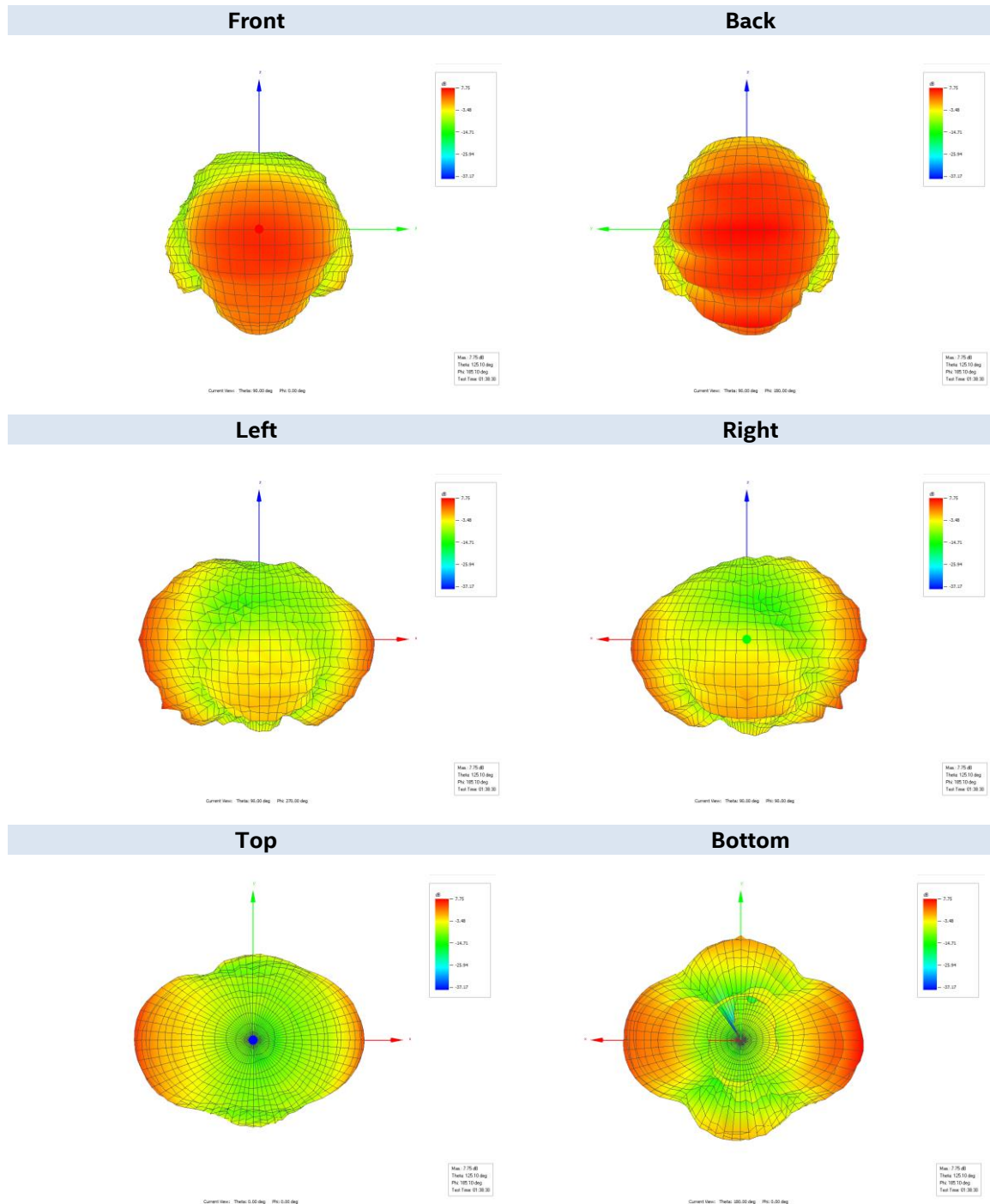
3.2. Antenna Peak Gain Table

Frequency (MHz)	Peak Gain
	(dBi)
5925	7.75
6525	6.84
6875	7.45
7125	7.75

4. Antenna Radiation Patterns

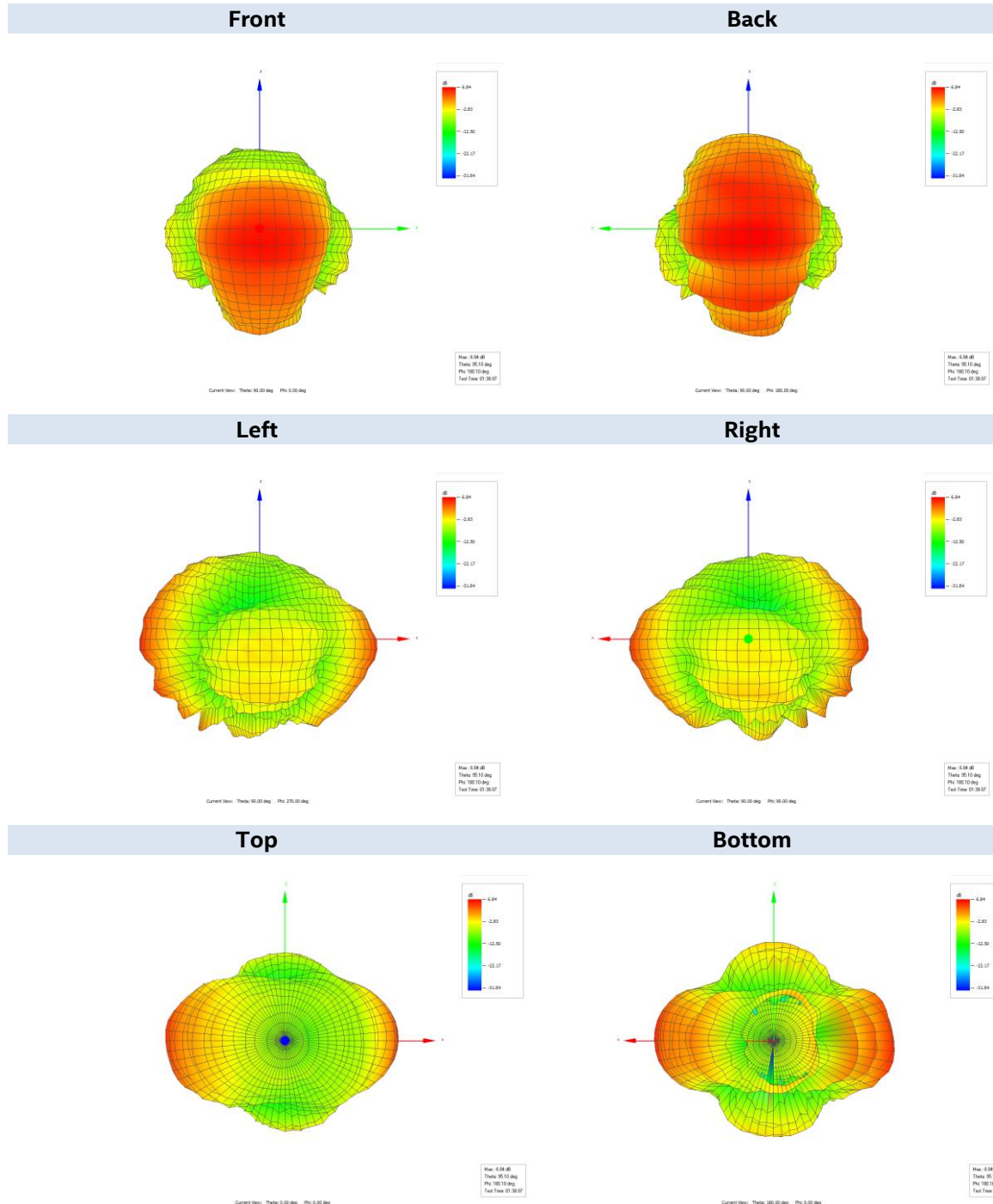
4.1. Pattern @ 5925 MHz

Frequency (MHz)	Peak Gain
	(dBi)
5925	7.75



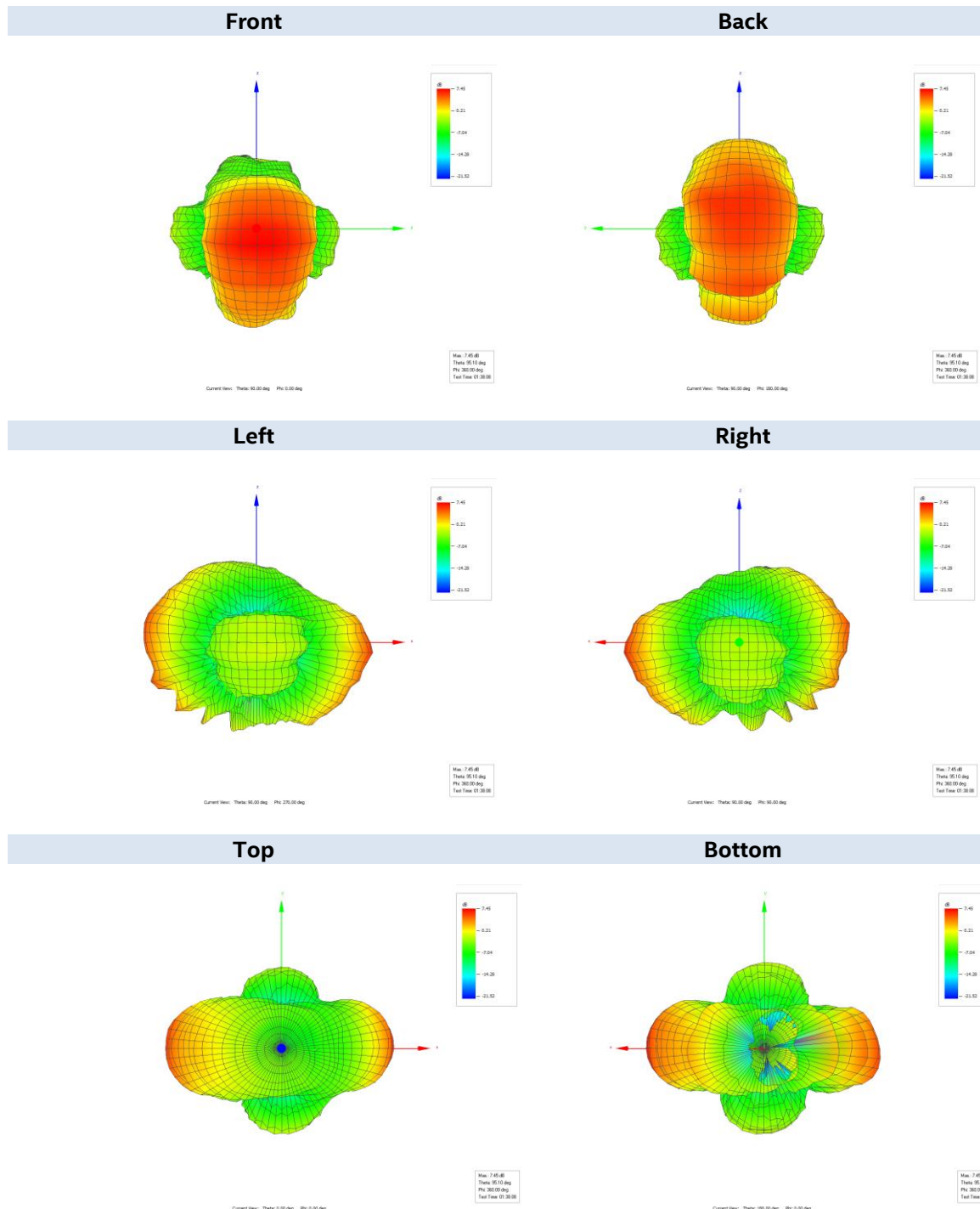
4.2. Pattern @ 6525 MHz

Frequency (MHz)	Peak Gain
	(dBi)
6525	6.84



4.3. Pattern @ 6875 MHz

Frequency (MHz)	Peak Gain
	(dBi)
6875	7.45



4.4. Pattern @ 7125 MHz

Frequency (MHz)	Peak Gain
	(dBi)
7125	7.75

