

Antenna Test Report

1. General Information

Applicant: Tesla

Equipment: Megacharger Handle

Model Name: 5443322

Manufacturer: Tesla

Antenna Type: PCB Antenna

2. Test Site Information

Test Site Name: Tesla Antenna Chamber

Address: 3500 Deer Creek Road, Palo Alto, California

Test Personnel: Gokul Ramsubbaraj/ gramsubbaraj@tesla.com

3. Test Methods

Test Procedures:

- Radiation Pattern Measurement
- Gain Measurement
- Efficiency Measurement

Method for Gain Determination: Passive test method

4. Test Environment

Test Site:

Deer Creek Anechoic Chamber

Test Dates: 3/23/2026

Temperature: 25

Humidity(%): <60%

Equipment Used:

Equipment Name	Manufacturer	Model Number	Serial Number	Calibration	Due
OTA Anechoic Chambe	Rohde & Schwarz	TS8991	N/A	N/A	N/A
Vector Analyzer	Rohde & Schwarz	ZNB20	101772	04/29/2025	04/29/2026
Device Controller	Maturo Controller	NCD	NCD_599	N/A	N/A
AMS-32	Rohde & Schwarz	N/A	V12.30.00	N/A	N/A

5. Test Results

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Peak Gain Phi (dBi)	Peak Gain Theta (dBi)
2400	-1.84	65.51	2.41	2.94
2402.5	-1.84	65.53	2.29	2.96
2405	-1.82	65.81	2.38	3.01
2407.5	-1.8	66.04	2.54	2.98
2410	-1.81	65.86	2.59	2.99
2412.5	-1.85	65.3	2.67	2.93
2415	-1.86	65.11	2.76	2.94
2417.5	-1.86	65.24	2.75	2.91
2420	-1.86	65.1	2.77	2.89
2422.5	-1.86	65.22	2.8	2.9
2425	-1.86	65.2	2.73	2.96
2427.5	-1.87	65.06	2.59	2.93

2430	-1.88	64.87	2.52	2.87
2432.5	-1.88	64.86	2.49	2.94
2435	-1.9	64.6	2.36	2.92
2437.5	-1.9	64.59	2.49	2.96
2440	-1.93	64.05	2.5	2.97
2442.5	-2	63.16	2.56	3
2445	-2.02	62.76	2.63	2.96
2447.5	-2.06	62.27	2.64	2.98
2450	-2.09	61.82	2.63	3
2452.5	-2.11	61.55	2.66	3
2455	-2.15	60.95	2.7	2.97
2457.5	-2.16	60.78	2.73	3.04
2460	-2.2	60.29	2.72	2.96
2462.5	-2.25	59.63	2.72	2.91
2465	-2.28	59.17	2.64	2.95
2467.5	-2.31	58.81	2.69	2.93
2470	-2.33	58.43	2.72	2.93
2472.5	-2.37	57.99	2.65	2.93
2475	-2.39	57.71	2.72	2.97
2477.5	-2.41	57.42	2.73	2.88
2480	-2.43	57.19	2.75	2.94

3D Pattern

