Appendix A

System Check 6500MHz Head
System Check 10GHz

Test Laboratory: TOWE Lab

System Performance Check Report

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D6.5GHzV2 - SN1096	6500.0	HSL	20.0	-0.3	1.4	-11.7	1.8

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	5		CW, 0--	6500.000, 0	5.45	6.17	35.0

Hardware Setup

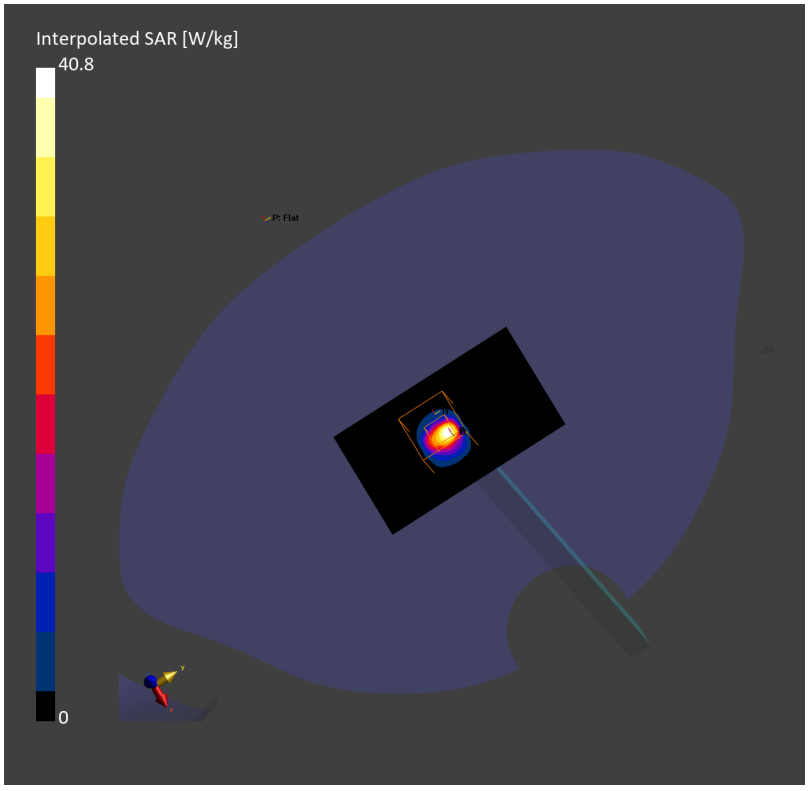
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2173	HSL6.5GHz	EX3DV4 - SN7858, 2025-02-20	DAE4ip Sn1847, 2024-12-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-12-23, 19:19	2025-12-23, 19:28
psSAR1g [W/Kg]	24.5	28.7
psSAR10g [W/Kg]	5.20	5.39
Power Drift [dB]	0.00	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Test Laboratory: TOWE Lab

Measurement Report for 5G Verification Source 10GHz, FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Device Under Test Properties

Model	Dimensions [mm]	IMEI
5G Verification Source 10GHz	100.0 x 100.0 x 172.0	1055

Exposure Conditions

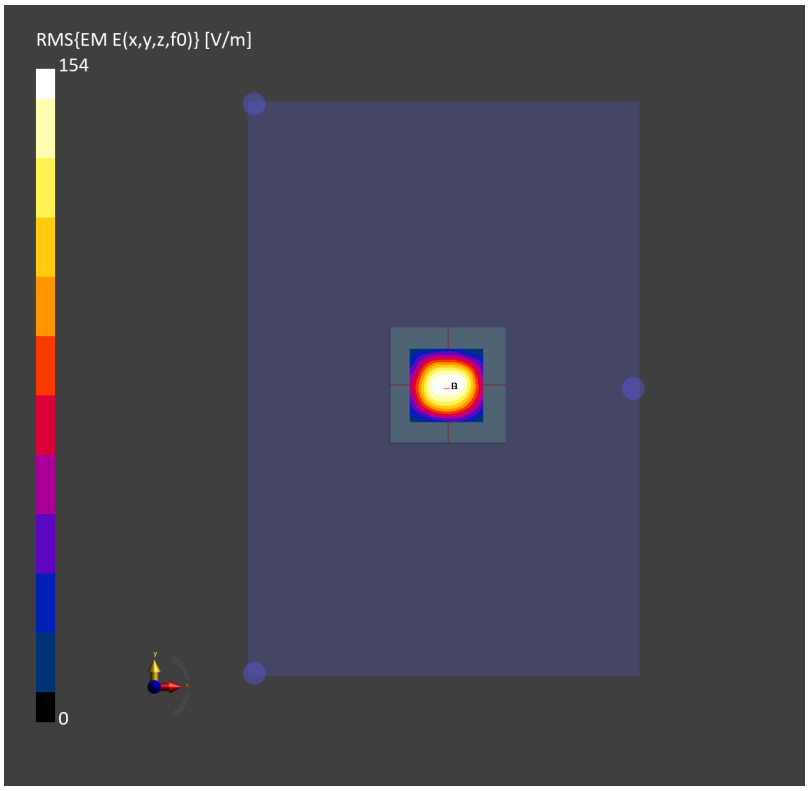
Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1121	Air -	EUmmWV4 - SN9455_F1-55GHz, 2025-06-30	DAE4ip Sn1847, 2024-12-31

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2025-12-23, 03:29
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	57.1
psPDtot+ [W/m^2]	58.3
psPDmod+ [W/m^2]	58.6
E_{max} [V/m]	154
Power Drift [dB]	0.01