

Appendix A

SAR System Check 6500MHz Head
PD System Check 10GHz

Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D6.5GHzV2 – SN1096	6500.0	HSL	20.0	–0.7	2.4	–11.1	2.2

Exposure Conditions

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	5		CW, 0--	6500.000, 0	4.91	6.19	34.9

Hardware Setup

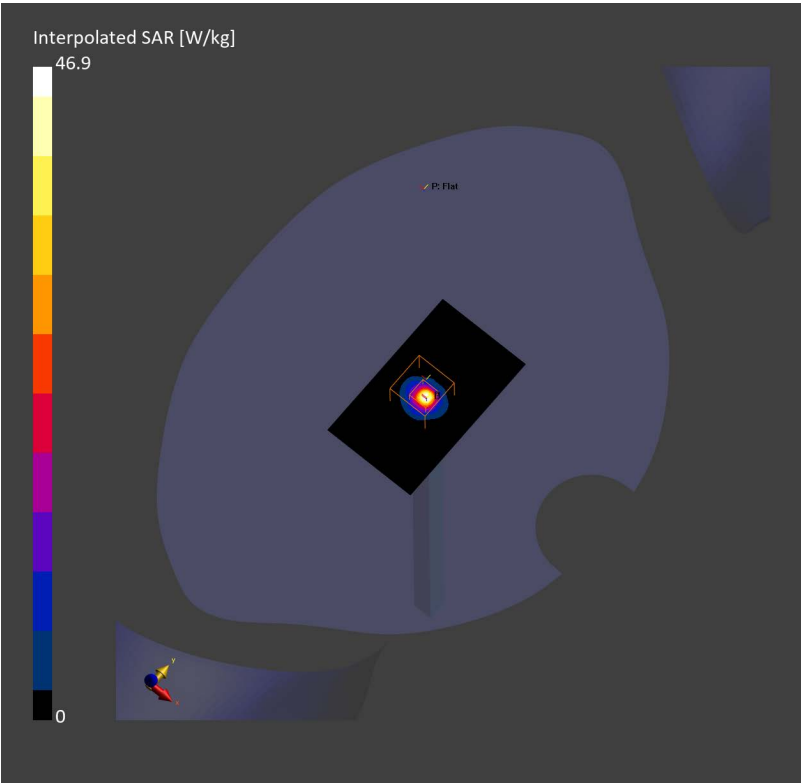
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL6.5GHz	EX3DV4 – SN7858, 2024–01–09	DAE4ip Sn1846, 2023–11–29

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	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024–08–01, 10:16	2024–08–01, 10:30
psSAR1g [W/Kg]	24.4	28.6
psSAR10g [W/Kg]	4.85	5.45
Power Drift [dB]	–0.11	–0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction



Device Under Test Properties

Model	Dimensions [mm]	IMEI
5G Verification Source 10GHz	100.0 x 100.0 x 172.0	1075

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 – SN9499_F1–55GHz, 2023–11–29	DAE4ip Sn1847, 2024–01–04

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	2024–08–02, 01:21
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	60.8
psPDtot+ [W/m²]	61.2
psPDmod+ [W/m²]	61.7
E _{max} [V/m]	161
Power Drift [dB]	0.01

