

Appendix B

BT

Device Under Test Properties

Model
GTS1 E

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	FRONT, 10.00	ISM 2.4 GHz Band	Bluetooth, 10038-CAA	2402.000, 0	7.27	1.78	40.6

Hardware Setup

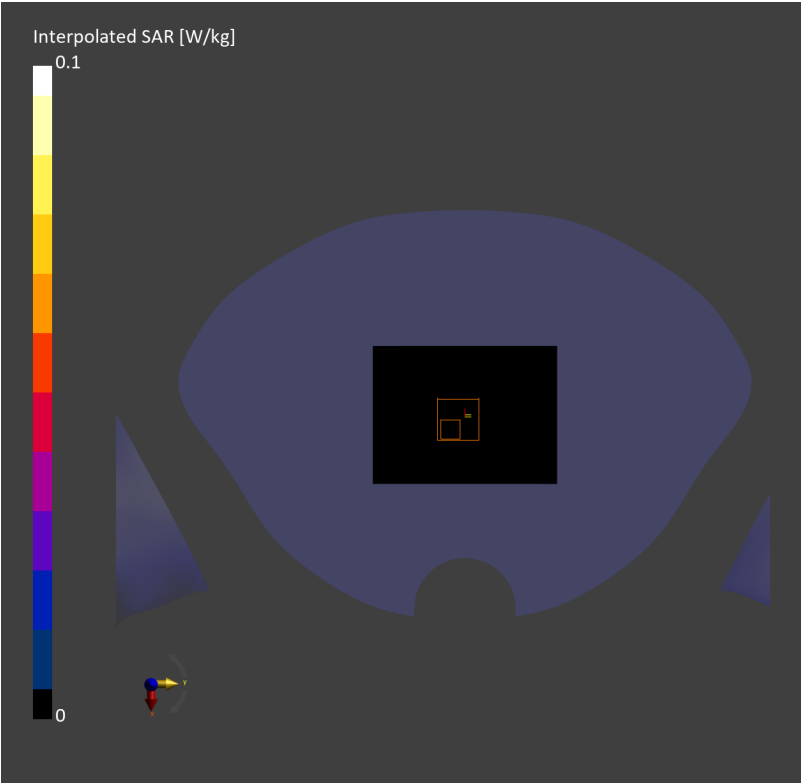
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7812, 2024-06-25	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-05-21, 15:16	2025-05-21, 15:36
psSAR1g [W/Kg]	0.004	0.006
psSAR10g [W/Kg]	0.002	0.002
Power Drift [dB]	-0.09	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.8
Dist 3dB Peak [mm]		5.9



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Flat, Head Simulating Liquid	BACK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10038-CAA	2402.000, 0	7.27	1.78	40.6

Hardware Setup

Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) – 2168	HSL2450	EX3DV4 – SN7812, 2024-06-25	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	All points	All points
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-05-21, 14:51	2025-05-21, 15:00
psSAR1g [W/Kg]	0.022	0.015
psSAR10g [W/Kg]	0.01	0.005
Power Drift [dB]	0.09	0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		31.2
Dist 3dB Peak [mm]		8.6

