

# Appendix B

BT

# Test Laboratory: TOWE Lab

Measurement Report for GTS1, FRONT, ISM 2.4 GHz Band, IEEE 802.15.1 Bluetooth (8-DPSK), Channel 39 (2441.000 MHz)

## Device Under Test Properties

Model

GTS1

## 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	2441.000, 39	7.27	1.83	40.6

## Hardware Setup

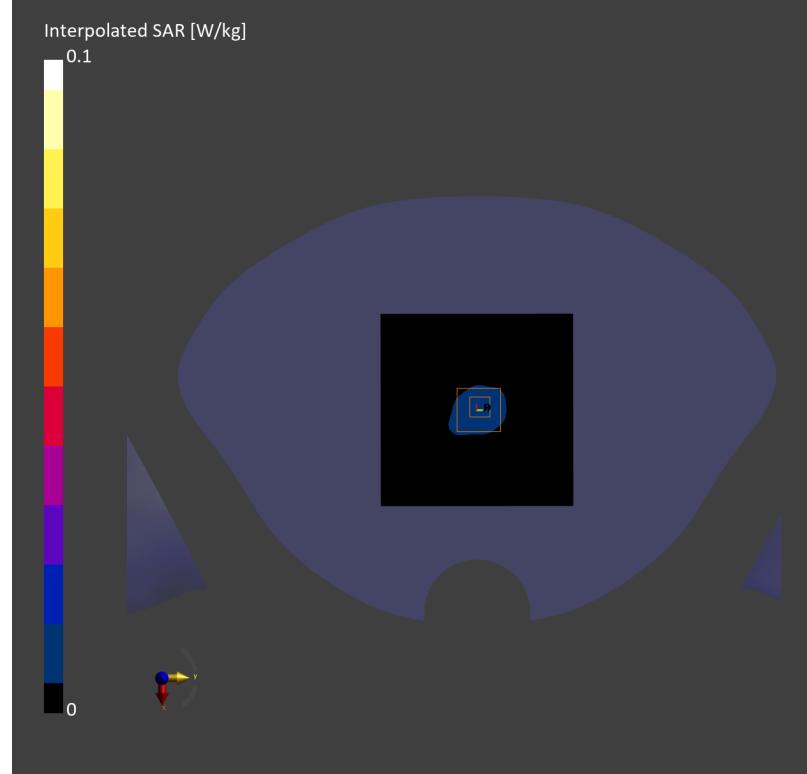
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2168	HSL2450	EX3DV4 - SN7812, 2024-06-25	DAE4ip Sn1846, 2024-12-10

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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, 16:42	2025-05-21, 16:51
psSAR1g [W/Kg]	0.010	0.009
psSAR10g [W/Kg]	0.006	0.004
Power Drift [dB]	0.05	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		58.4
Dist 3dB Peak [mm]		10.0



# Test Laboratory: TOWE Lab

Measurement Report for GTS1, BACK, ISM 2.4 GHz Band, IEEE 802.15.1 Bluetooth (8-DPSK), Channel 0 (2402.000 MHz)

## Device Under Test Properties

Model

GTS1

## 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	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]	96.0 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, 17:34	2025-05-21, 17:43
psSAR1g [W/Kg]	0.060	0.057
psSAR10g [W/Kg]	0.029	0.025
Power Drift [dB]	-0.04	-0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.4
Dist 3dB Peak [mm]		10.2

