

# Measurement Report for ISM 2.4 GHz Band, BACK, WG50 Standalone

## Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	39.6
Frequency [MHz]   Channel Number	2440.000   17	TSL Conductivity [S/m]	1.79
Group   UID	Bluetooth   10670-AAA	Phantom Section   TSL	Flat   HSL
Conversion Factor	8.28	Test Distance [mm]	0.00
Communication Configuration	Bluetooth Low Energy		

## Hardware Setup

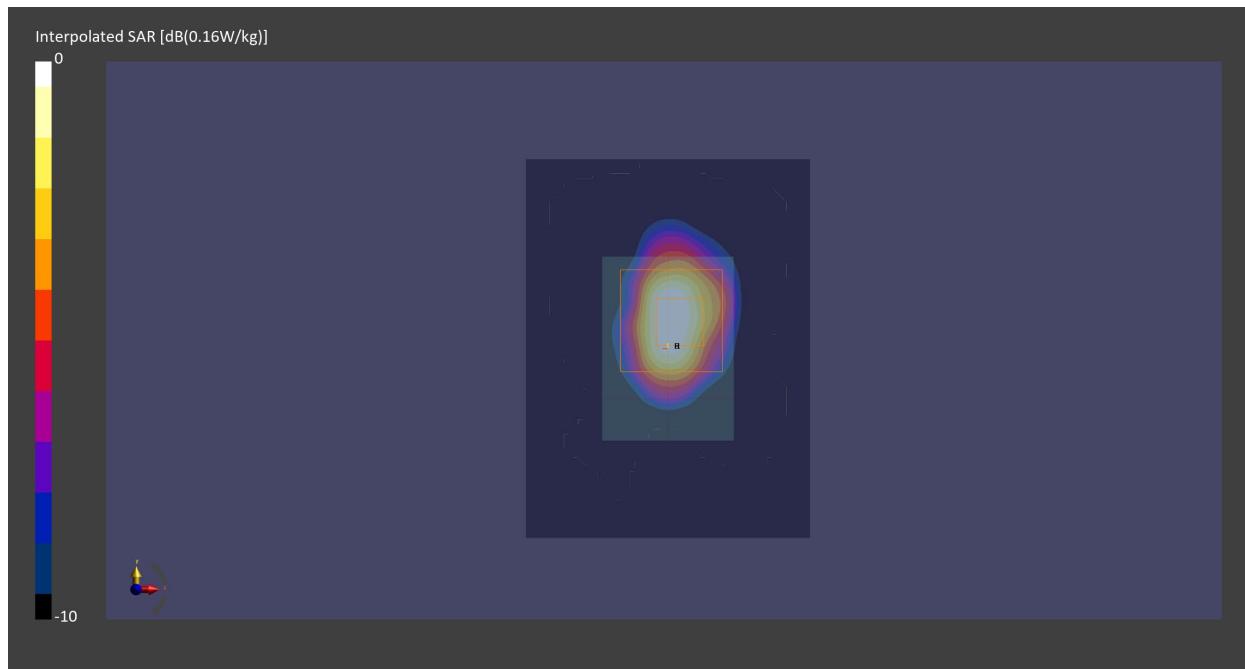
Probe   Calibration Date	EX3DV4 - SN7711   2024-03-15	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE   Calibration Date	DAE4 Sn1716   2024-03-13	TSL	HBBL-600-10000

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [%]		81.3
Dist 3dB Peak [mm]		6.4

## Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.072	<b>0.076</b>
psSAR10g [W/Kg]	0.028	<b>0.028</b>
Power Drift [dB]	0.06	0.10



# Measurement Report for ISM 2.4 GHz Band, BACK, WG50 Tx w/ WB50

## Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	39.6
Frequency [MHz]   Channel Number	2440.000   17	TSL Conductivity [S/m]	1.79
Group   UID	Bluetooth   10670-AAA	Phantom Section   TSL	Flat   HSL
Conversion Factor	8.28	Test Distance [mm]	0.00
Communication Configuration	Bluetooth Low Energy		

## Hardware Setup

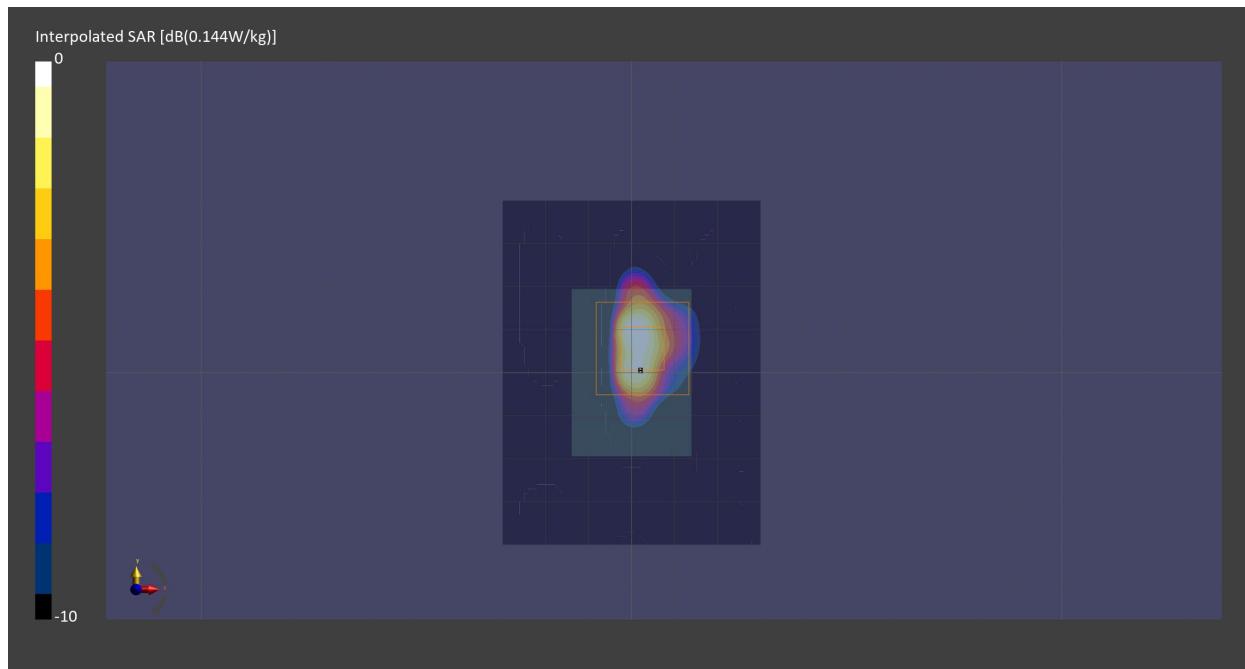
Probe   Calibration Date	EX3DV4 - SN7711   2024-03-15	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE   Calibration Date	DAE4 Sn1716   2024-03-13	TSL	HBBL-600-10000

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	4.9 x 4.9 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [%]		82.8
Dist 3dB Peak [mm]		5.0

## Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.063	<b>0.065</b>
psSAR10g [W/Kg]	0.021	<b>0.022</b>
Power Drift [dB]	-0.06	0.12



# Measurement Report for ISM 2.4 GHz Band, BACK, WB50 Tx w/ WG50

## Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	40.2
Frequency [MHz]   Channel Number	2440.000   17	TSL Conductivity [S/m]	1.74
Group   UID	Bluetooth   10670-AAA	Phantom Section   TSL	Flat   HSL
Conversion Factor	8.28	Test Distance [mm]	0.00
Communication Configuration	Bluetooth Low Energy		

## Hardware Setup

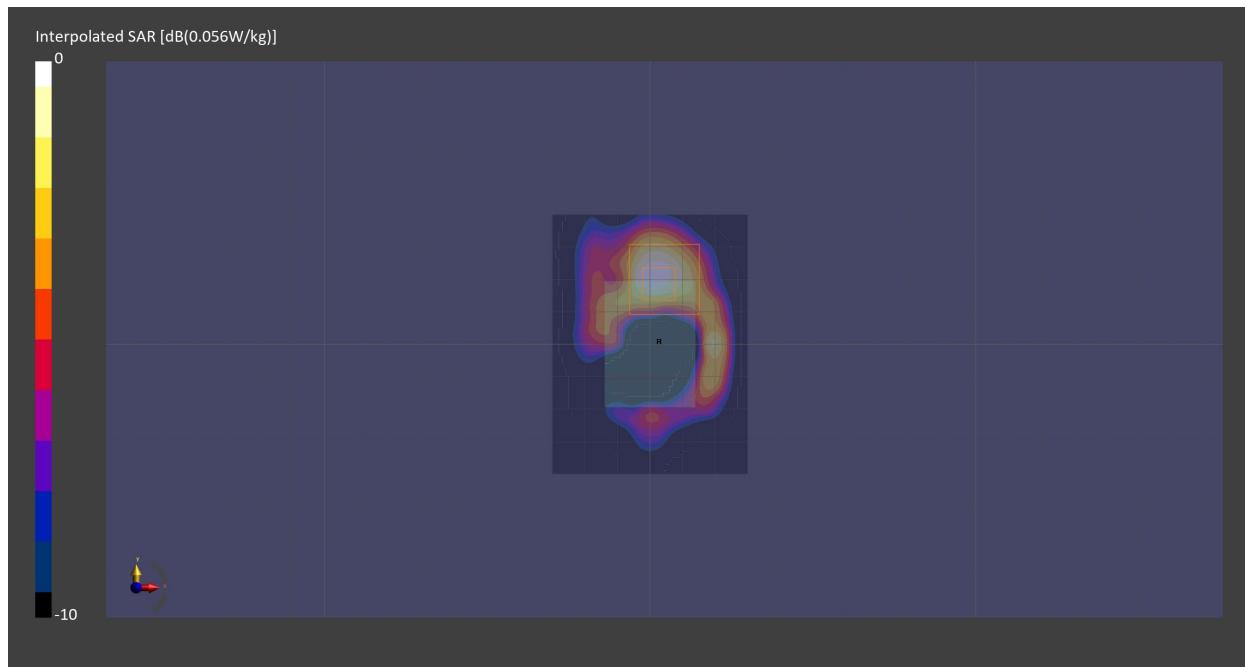
Probe   Calibration Date	EX3DV4 - SN7711   2024-03-15	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE   Calibration Date	DAE4 Sn1716   2024-03-13	TSL	HBBL-600-10000

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	2.7 x 2.7 x 1.2
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [%]		64.7
Dist 3dB Peak [mm]		2.2

## Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.010	0.01
psSAR10g [W/Kg]	0.004	0.004
Power Drift [dB]	-0.21	-0.97



# Measurement Report for ISM 2.4 GHz Band, BACK, WG50 Tx w/ WD50

## Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	40.6
Frequency [MHz]   Channel Number	2440.000   17	TSL Conductivity [S/m]	1.76
Group   UID	Bluetooth   10670-AAA	Phantom Section   TSL	Flat   Head Simulating Liquid
Conversion Factor	8.28	Test Distance [mm]	0.00
Communication Configuration	Bluetooth Low Energy		

## Hardware Setup

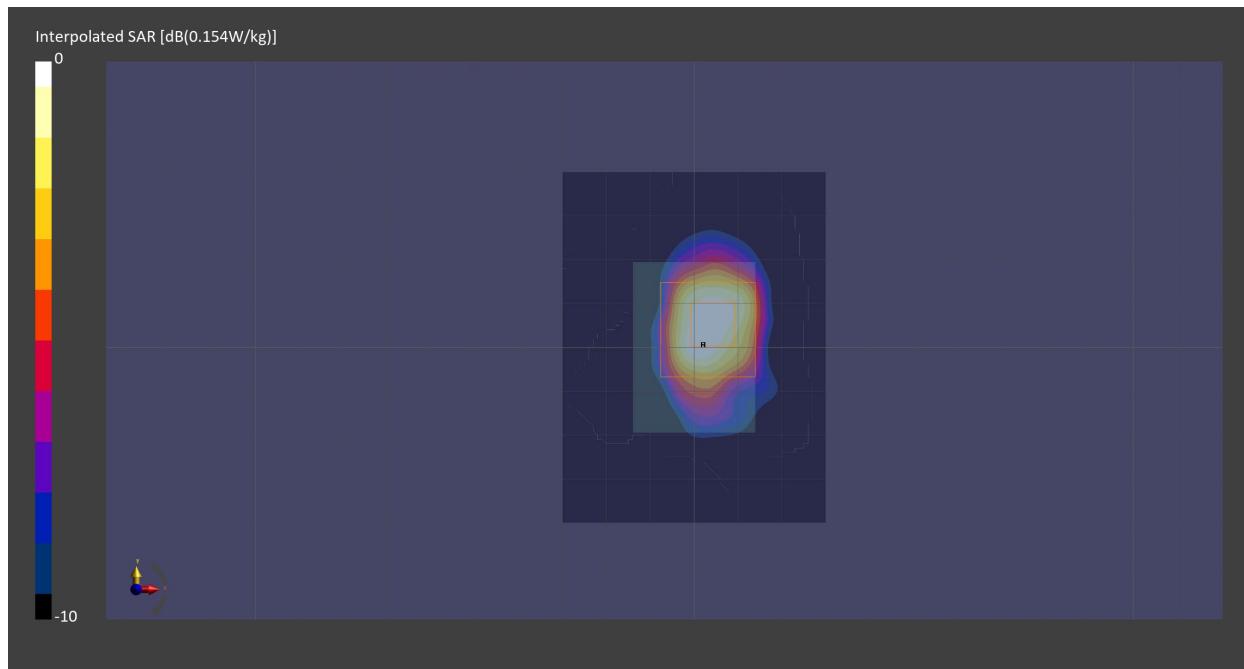
Probe   Calibration Date	EX3DV4 - SN7711   2024-03-15	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE   Calibration Date	DAE4 Sn1716   2024-03-13	TSL	HBBL-600-10000

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [%]		80.0
Dist 3dB Peak [mm]		6.4

## Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.060	<b>0.072</b>
psSAR10g [W/Kg]	0.025	<b>0.026</b>
Power Drift [dB]	0.06	-0.14



# Measurement Report for Custom Band, BACK, WB50 Tx w/ WG50

## Exposure Conditions

Band	Custom Band	TSL Permittivity	53.8
Frequency [MHz]   Channel Number	13.600   13600	TSL Conductivity [S/m]	0.733
Group   UID	CW   0--	Phantom Section   TSL	Flat   Head Simulating Liquid
Conversion Factor	16.02	Test Distance [mm]	0.00
Communication Configuration	CW		

## Hardware Setup

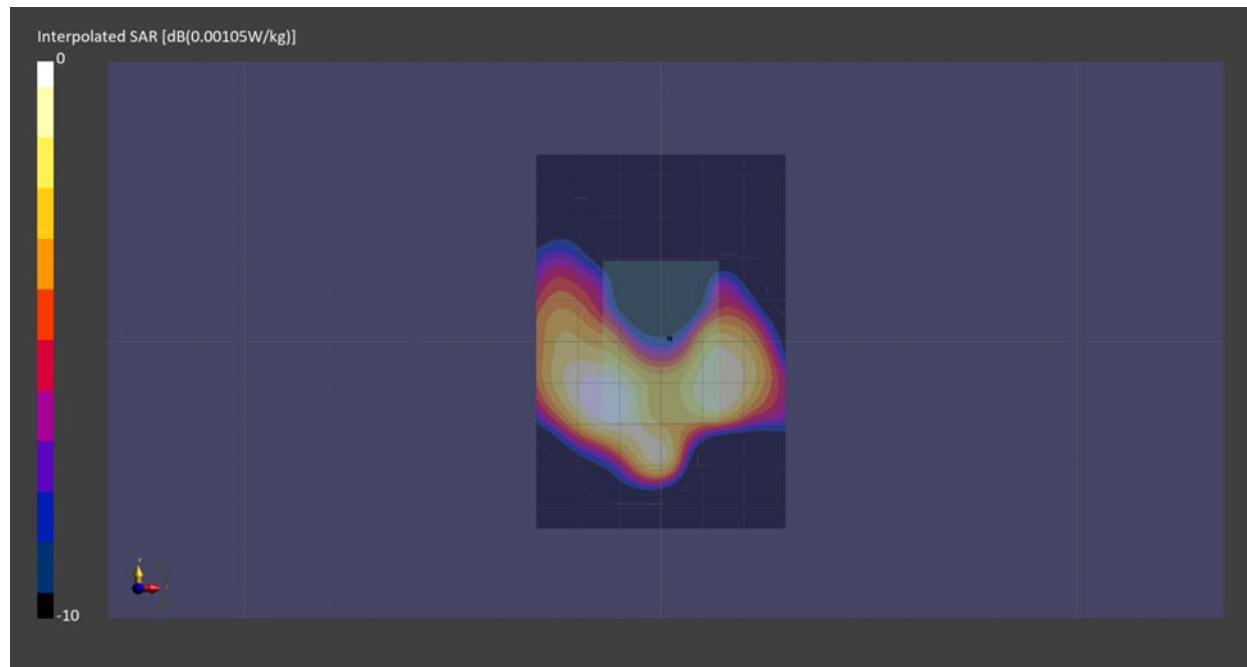
Probe   Calibration Date	EX3DV4 - SN7710   2024-01-16	Phantom	ELI V8.0 (20deg probe tilt) - SN2081
DAE   Calibration Date	DAE4 Sn1715   2024-02-12	TSL	HBBL4-250V3

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [%]		96.9
Dist 3dB Peak [mm]		0.7

## Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0	0
psSAR10g [W/Kg]	0	0
Power Drift [dB]	N/A	N/A



# Measurement Report for Custom Band, BACK, WD50 Tx w/ WG50

## Exposure Conditions

Band	Custom Band	TSL Permittivity	53.4
Frequency [MHz]   Channel Number	13.600   13600	TSL Conductivity [S/m]	0.729
Group   UID	CW   0--	Phantom Section   TSL	Flat   Head Simulating Liquid
Conversion Factor	16.02	Test Distance [mm]	0.00
Communication Configuration	CW		

## Hardware Setup

Probe   Calibration Date	EX3DV4 - SN7710   2024-01-16	Phantom	ELI V8.0 (20deg probe tilt) - SN2081
DAE   Calibration Date	DAE4 Sn1715   2024-02-12	TSL	HBBL4-250V3

## Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 80.0	30.6 x 30.6 x 31.2
Grid Steps [mm]	10.0 x 10.0	1.8 x 1.8 x 1.2
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [%]		N/A
Dist 3dB Peak [mm]		N/A

## Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0	0
psSAR10g [W/Kg]	0	0
Power Drift [dB]	N/A	N/A

