

WLAN 2.4GHz: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), BACK

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	36.4
Frequency [MHz] Channel Number	2412.000 1	TSL Conductivity [S/m]	1.65
Group UID	WLAN 10415-AAA	Phantom Section TSL	Flat HSL
Conversion Factor	7.16	Test Distance [mm]	5.00

Hardware Setup

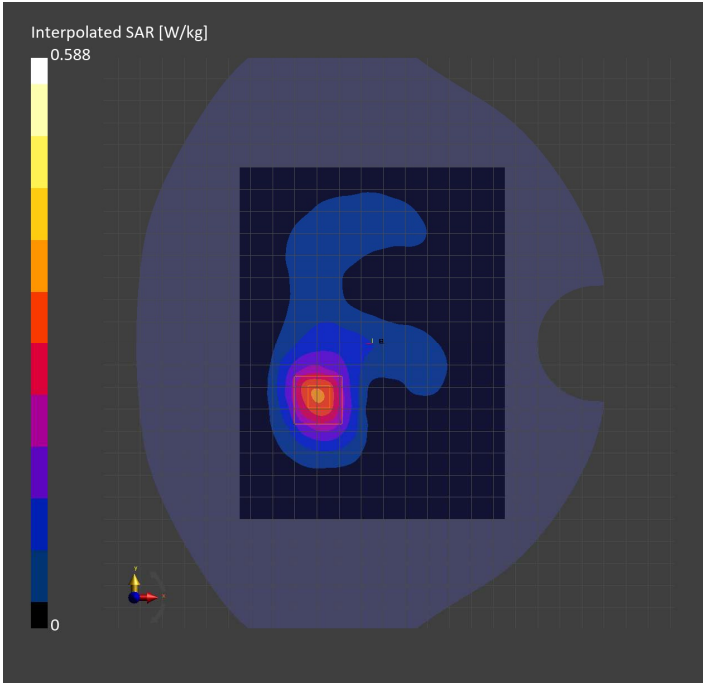
Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 160.0	30.0 x 30.0 x 31.2
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 [> 30%]		80.3
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		11.5
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	0.588, -49.1, -24.4, -207.6

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.285	0.308
psSAR10g [W/Kg]	0.146	0.156
Power Drift [±0.2 dB]	N/A	-0.08



WLAN 2.4GHz: IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle), EDGE
BOTTOM

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	38.1
Frequency [MHz] Channel Number	2412.000 1	TSL Conductivity [S/m]	1.70
Group UID	WLAN 10415-AAA	Phantom Section TSL	Flat HSL
Conversion Factor	7.16	Test Distance [mm]	0.00

Hardware Setup

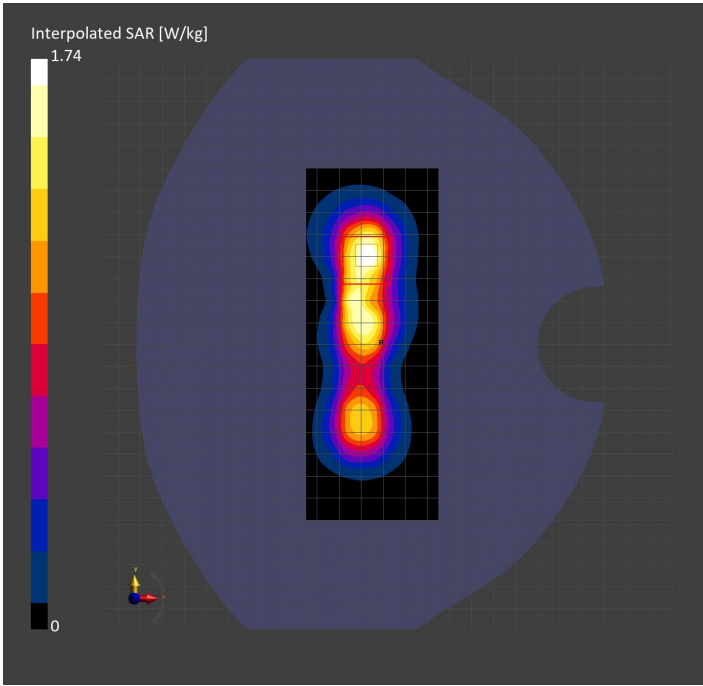
Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	40.0 x 45.0 x 31.2
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 [> 30%]		72.8
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		7.0
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.74, -27.4, 38.3, -196.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.701	0.747
psSAR10g [W/Kg]	0.350	0.370
Power Drift [±0.2 dB]	N/A	-0.01



WLAN 5GHz: IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), EDGE LEFT

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	35.4
Frequency [MHz] Channel Number	5280.000 56	TSL Conductivity [S/m]	4.65
Group UID	WLAN 10417-AAD	Phantom Section TSL	Flat HSL
Conversion Factor	5.47	Test Distance [mm]	5.00

Hardware Setup

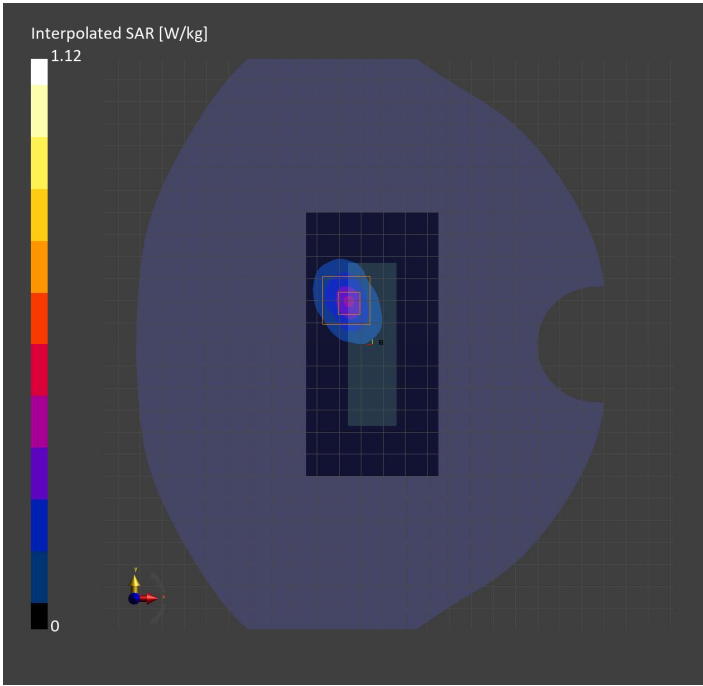
Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan	Secondary Zoom Scan
Grid Extents [mm]	60.0 x 120.0	24.0 x 24.0 x 22.9	24.0 x 24.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	N/A	Yes	Yes
M2/M1 [> 30%]		59.8	59.6
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		7.9	7.9
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.12, -35.4, 18.9, -208.0	1.10, -35.4, 18.9, -208.0

Measurement Results

	Area Scan	Zoom Scan	Secondary Zoom Scan
psSAR1g [W/Kg]	0.261	0.277	0.268
psSAR10g [W/Kg]	0.090	0.085	0.080
Power Drift [±0.2 dB]	N/A	1.47	0.51



WLAN 5GHz: IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle), EDGE LEFT

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	33.5
Frequency [MHz] Channel Number	5280.000 56	TSL Conductivity [S/m]	4.43
Group UID	WLAN 10417-AAE	Phantom Section TSL	Flat HSL
Conversion Factor	5.47	Test Distance [mm]	0.00

Hardware Setup

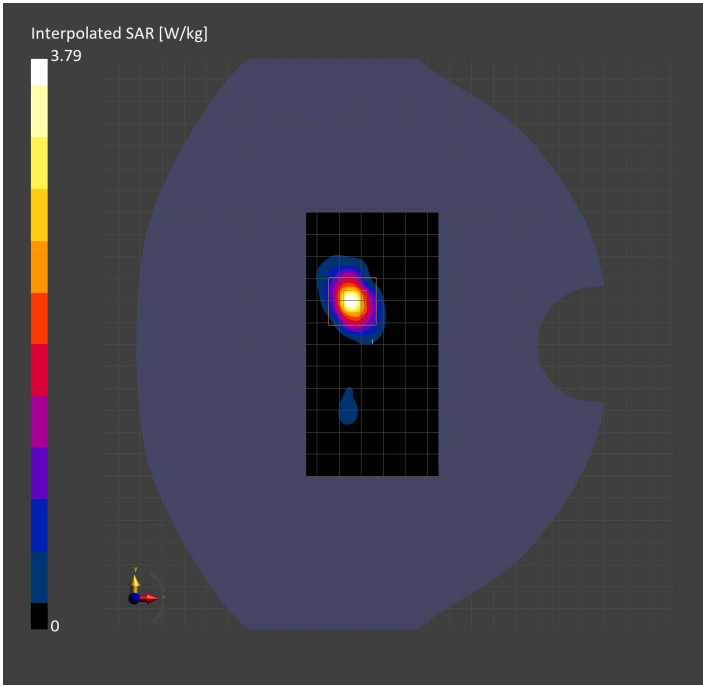
Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	24.0 x 24.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		62.4
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		5.9
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	3.79, -34.0, 19.7, -196.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.797	0.925
psSAR10g [W/Kg]	0.229	0.256
Power Drift [±0.2 dB]	N/A	-0.06



WLAN 5GHz: IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK), EDGE LEFT

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	34.5
Frequency [MHz] Channel Number	5670.000 134	TSL Conductivity [S/m]	5.05
Group UID	WLAN 10114-CAE	Phantom Section TSL	Flat HSL
Conversion Factor	5.27	Test Distance [mm]	5.00

Hardware Setup

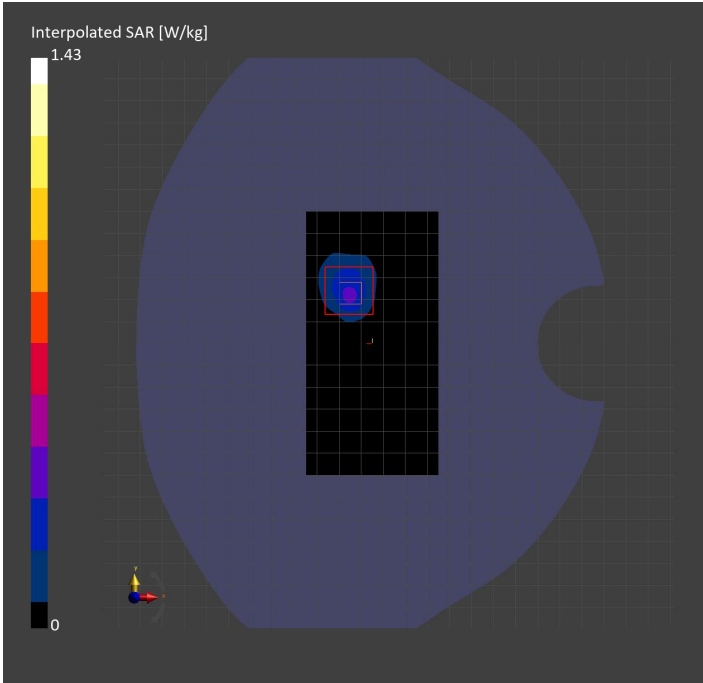
Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan	Secondary Zoom Scan
Grid Extents [mm]	60.0 x 120.0	24.0 x 24.0 x 22.9	24.0 x 24.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	N/A	Yes	Yes
M2/M1 [> 30%]		60.4	59.4
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		7.2	6.9
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	1.43, -34.8, 23.1, -202.0	1.40, -34.8, 23.1, -202.0

Measurement Results

	Area Scan	Zoom Scan	Secondary Zoom Scan
psSAR1g [W/Kg]	0.276	0.314	0.304
psSAR10g [W/Kg]	0.095	0.093	0.089
Power Drift [±0.2 dB]	N/A	-0.90	-1.34



WLAN 5GHz: IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK), EDGE LEFT

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	32.7
Frequency [MHz] Channel Number	5670.000 134	TSL Conductivity [S/m]	4.78
Group UID	WLAN 10114-CAE	Phantom Section TSL	Flat HSL
Conversion Factor	5.27	Test Distance [mm]	0.00

Hardware Setup

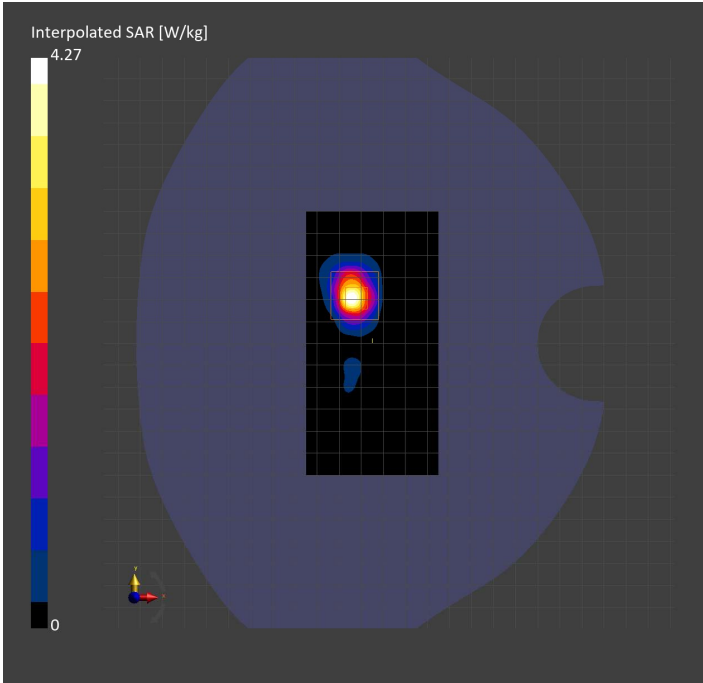
Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	24.0 x 24.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		59.6
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		5.6
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	4.27, -32.8, 21.8, -196.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.783	0.928
psSAR10g [W/Kg]	0.221	0.238
Power Drift [±0.2 dB]	N/A	-0.09



WLAN 5GHz: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle), EDGE LEFT

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	34.4
Frequency [MHz] Channel Number	5775.000 155	TSL Conductivity [S/m]	5.19
Group UID	WLAN 10544-AAD	Phantom Section TSL	Flat HSL
Conversion Factor	5.34	Test Distance [mm]	5.00

Hardware Setup

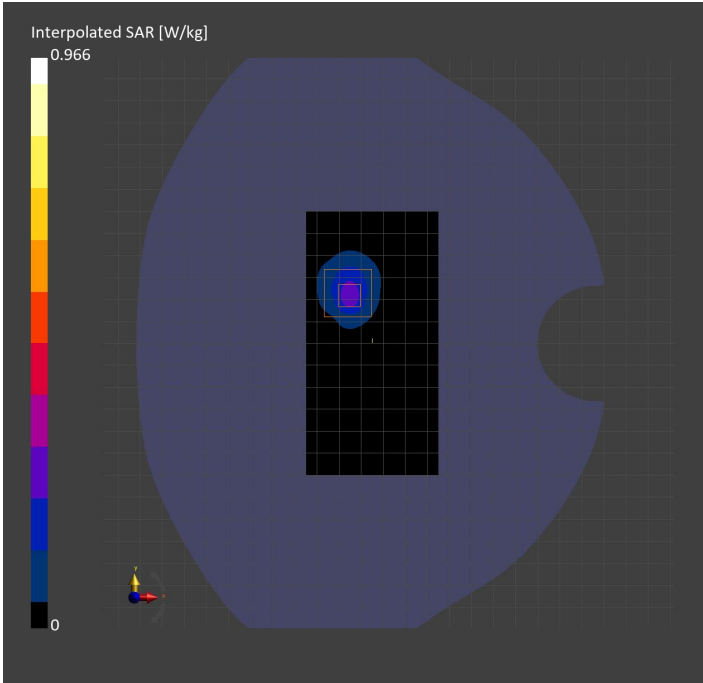
Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan	Secondary Zoom Scan
Grid Extents [mm]	60.0 x 120.0	24.0 x 24.0 x 22.9	24.0 x 24.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	N/A	Yes	Yes
M2/M1 [> 30%]		55.6	59.5
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		8.7	7.2
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	0.962, -35.4, 21.9, -202.0	0.966, -35.4, 21.9, -202.0

Measurement Results

	Area Scan	Zoom Scan	Secondary Zoom Scan
psSAR1g [W/Kg]	0.205	0.219	0.211
psSAR10g [W/Kg]	0.070	0.067	0.063
Power Drift [±0.2 dB]	N/A	-0.37	-0.35



WLAN 5GHz: IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle), EDGE LEFT

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	32.7
Frequency [MHz] Channel Number	5775.000 155	TSL Conductivity [S/m]	4.91
Group UID	WLAN 10544-AAD	Phantom Section TSL	Flat HSL
Conversion Factor	5.34	Test Distance [mm]	0.00

Hardware Setup

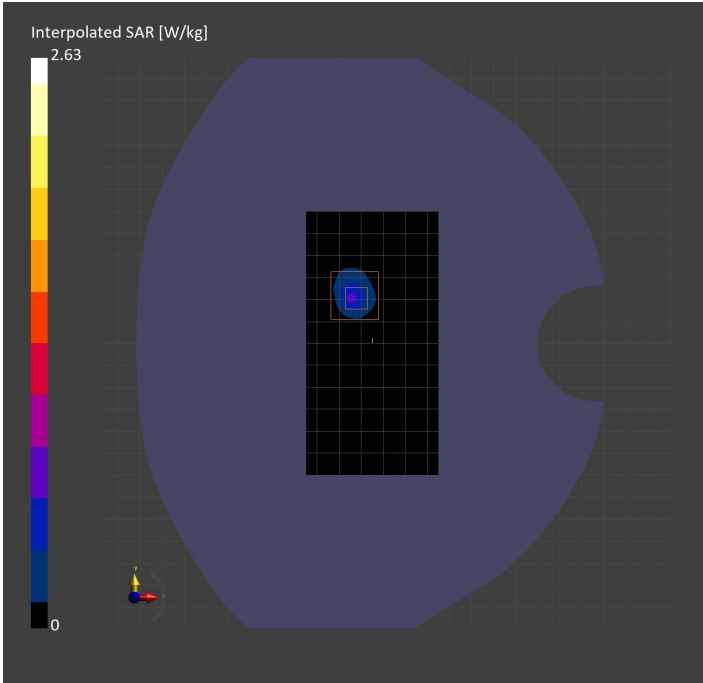
Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	24.0 x 24.0 x 22.9
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
M2/M1 [> 30%]		57.4
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		5.6
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	2.63, -32.8, 21.8, -196.2

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.453	0.544
psSAR10g [W/Kg]	0.127	0.135
Power Drift [±0.2 dB]	N/A	-0.09



ISM 2.4 GHz Band: IEEE 802.15.1 Bluetooth (GFSK, DH1), EDGE BOTTOM

Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	38.1
Frequency [MHz] Channel Number	2441.000 39	TSL Conductivity [S/m]	1.73
Group UID	Bluetooth 10030-CAA	Phantom Section TSL	Flat HSL
Conversion Factor	7.16	Test Distance [mm]	0.00

Hardware Setup

Probe Calibration Date	EX3DV4 - SN7501 2025-03-12	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1547 2025-04-14	TSL Type	HBBL-600-10000
Software Version	16.4.0.5005		

Scan Setup

	Area Scan	Zoom Scan	Secondary Zoom Scan
Grid Extents [mm]	60.0 x 160.0	30.0 x 30.0 x 31.2	30.0 x 30.0 x 31.2
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4	1.4
Graded Grid	N/A	Yes	Yes
M2/M1 [> 30%]		80.5	85.2
Dist 3dB Peak [> Grid Steps Δx, Δy mm]		6.1	6.0
Peak SAR [W/kg], SAR Peak Location [mm]	N/A	0.118, -28.7, 8.6, -196.2	0.117, -28.1, 9.7, -196.2

Measurement Results

	Area Scan	Zoom Scan	Secondary Zoom Scan
psSAR1g [W/Kg]	0.046	0.049	0.050
psSAR10g [W/Kg]	0.021	0.021	0.020
Power Drift [±0.2 dB]	N/A	-1.28	-0.65

