

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

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	38.5
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	7.87	Test Distance [mm]	5.00

Hardware Setup

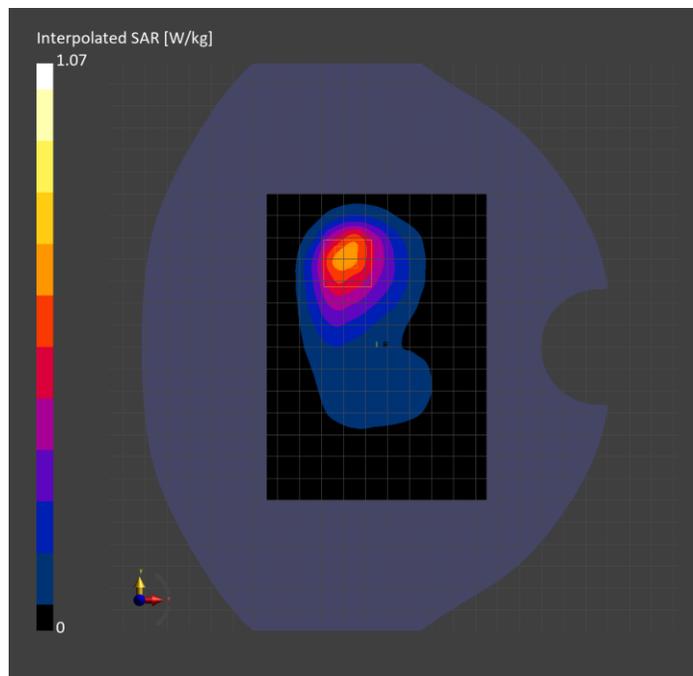
Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1357 2023-01-27	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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 [%]		79.8
Dist 3dB Peak [mm]		10.7
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	1.07 [-37.0, 45.0, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.543	0.557
psSAR10g [W/Kg]	0.288	0.293
Power Drift [dB]	N/A	-0.01



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

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	35.4
Frequency [MHz] Channel Number	5300.000 60	TSL Conductivity [S/m]	4.55
Group UID	WLAN 10417-AAD	Phantom Section TSL	Flat HSL
Conversion Factor	5.79	Test Distance [mm]	5.00

Hardware Setup

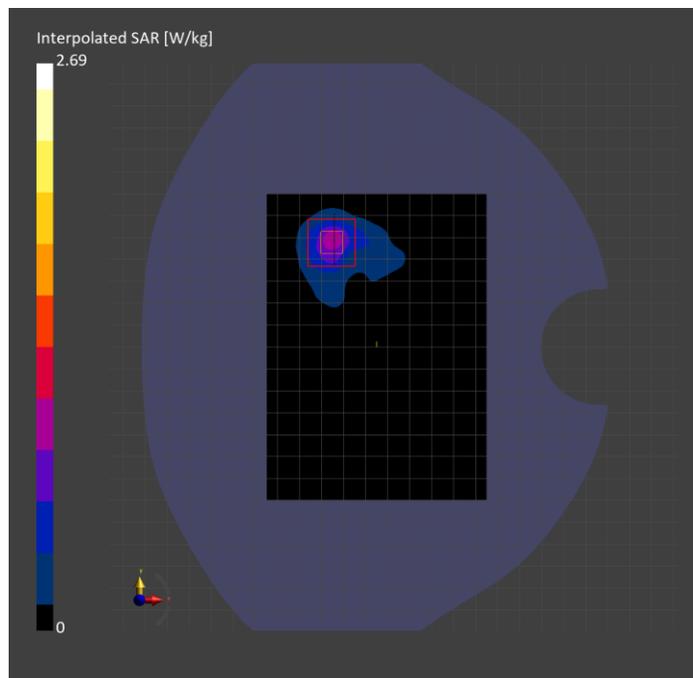
Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1357 2023-01-27	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	24.0 x 24.0 x 22.0
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 [%]		64.7
Dist 3dB Peak [mm]		8.6
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	2.69 [-44.2, 48.2, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.733	0.753
psSAR10g [W/Kg]	0.248	0.248
Power Drift [dB]	N/A	-0.01



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

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	35.0
Frequency [MHz] Channel Number	5500.000 100	TSL Conductivity [S/m]	4.76
Group UID	WLAN 10417-AAD	Phantom Section TSL	Flat HSL
Conversion Factor	4.93	Test Distance [mm]	5.00

Hardware Setup

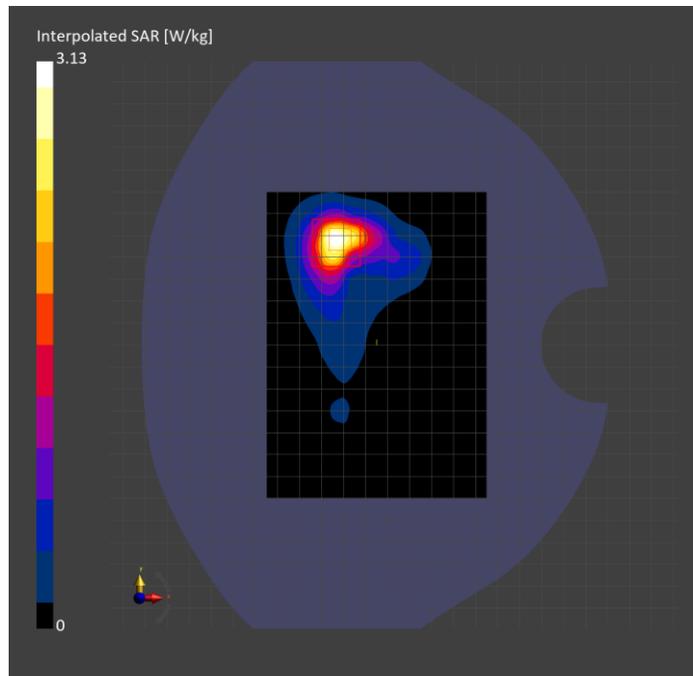
Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1357 2023-01-27	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	24.0 x 24.0 x 22.0
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 [%]		63.7
Dist 3dB Peak [mm]		8.0
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	3.13 [-40.8, 48.0, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.771	0.843
psSAR10g [W/Kg]	0.268	0.276
Power Drift [dB]	N/A	-0.14



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

Exposure Conditions

Band	WLAN 5GHz	TSL Permittivity	34.4
Frequency [MHz] Channel Number	5825.000 165	TSL Conductivity [S/m]	5.13
Group UID	WLAN 10417-AAD	Phantom Section TSL	Flat HSL
Conversion Factor	5.16	Test Distance [mm]	5.00

Hardware Setup

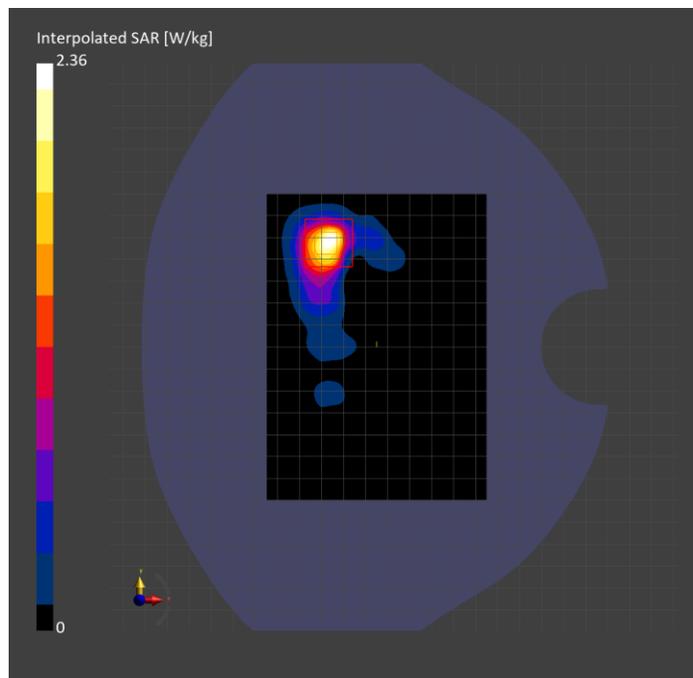
Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1357 2023-01-27	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	24.0 x 24.0 x 22.0
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 [%]		58.8
Dist 3dB Peak [mm]		7.6
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	2.36 [-47.6, 47.4, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.573	0.586
psSAR10g [W/Kg]	0.186	0.178
Power Drift [dB]	N/A	-0.01



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

Exposure Conditions

Band	ISM 2.4 GHz Band	TSL Permittivity	38.5
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	7.87	Test Distance [mm]	5.00

Hardware Setup

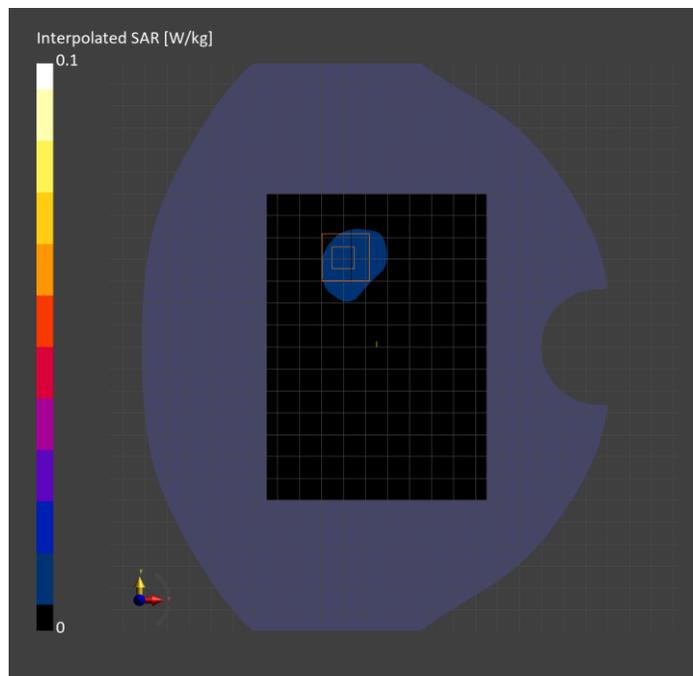
Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1357 2023-01-27	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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 [%]		80.2
Dist 3dB Peak [mm]		8.4
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	0.027 [-36.6, 44.2, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.012	0.012
psSAR10g [W/Kg]	0.006	0.005
Power Drift [dB]	N/A	-0.49



ANT+: CW, BACK

Exposure Conditions

Band	ANT+	TSL Permittivity	38.5
Frequency [MHz] Channel Number	2440.000 Mid	TSL Conductivity [S/m]	1.73
Group UID	CW 0--	Phantom Section TSL	Flat HSL
Conversion Factor	7.87	Test Distance [mm]	5.00

Hardware Setup

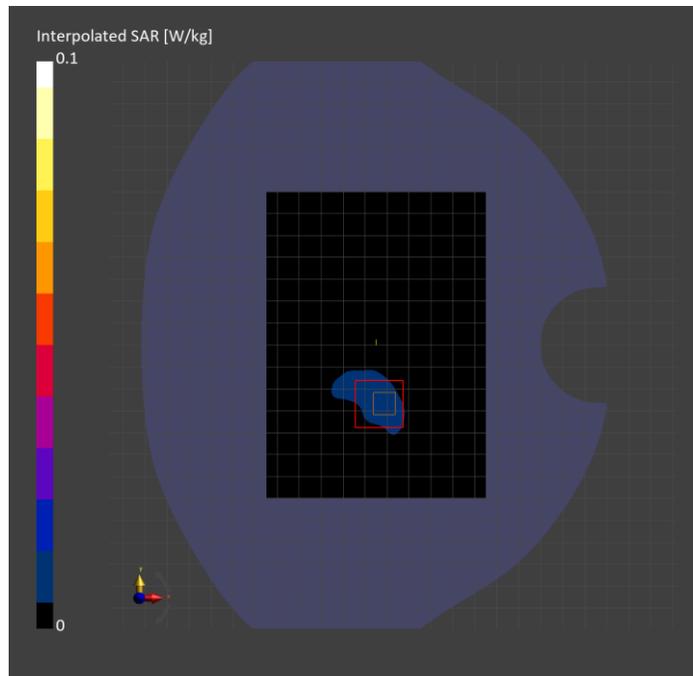
Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1357 2023-01-27	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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 [%]		88.6
Dist 3dB Peak [mm]		9.5
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	0.022 [-21.0, -28.0, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.011	0.011
psSAR10g [W/Kg]	0.006	0.005
Power Drift [dB]	N/A	0.09



2.4 GHz Band: CW, BACK

Exposure Conditions

Band	AIREA	TSL Permittivity	38.5
Frequency [MHz] Channel Number	2440.000 2440000	TSL Conductivity [S/m]	1.73
Group UID	CW 0--	Phantom Section TSL	Flat HSL
Conversion Factor	7.87	Test Distance [mm]	5.00

Hardware Setup

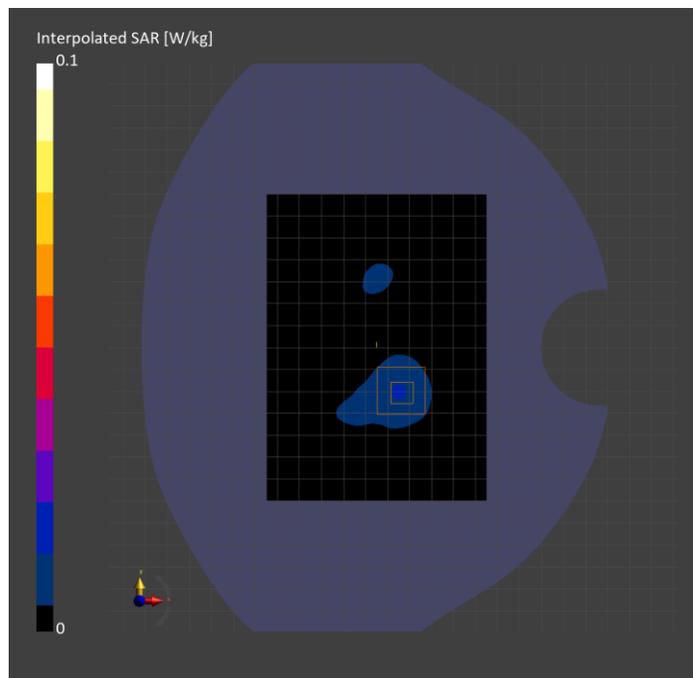
Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1357 2023-01-27	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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 [%]		87.7
Dist 3dB Peak [mm]		9.9
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	0.024 [-14.0, -24.0, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.014	0.013
psSAR10g [W/Kg]	0.007	0.006
Power Drift [dB]	N/A	1.96



Custom Band: CW, FRONT

Exposure Conditions

Band	Custom Band	TSL Permittivity	39.9
Frequency [MHz] Channel Number	2440.000 2440000	TSL Conductivity [S/m]	1.74
Group UID	CW 0--	Phantom Section TSL	Flat HSL
Conversion Factor	7.87	Test Distance [mm]	5.00

Hardware Setup

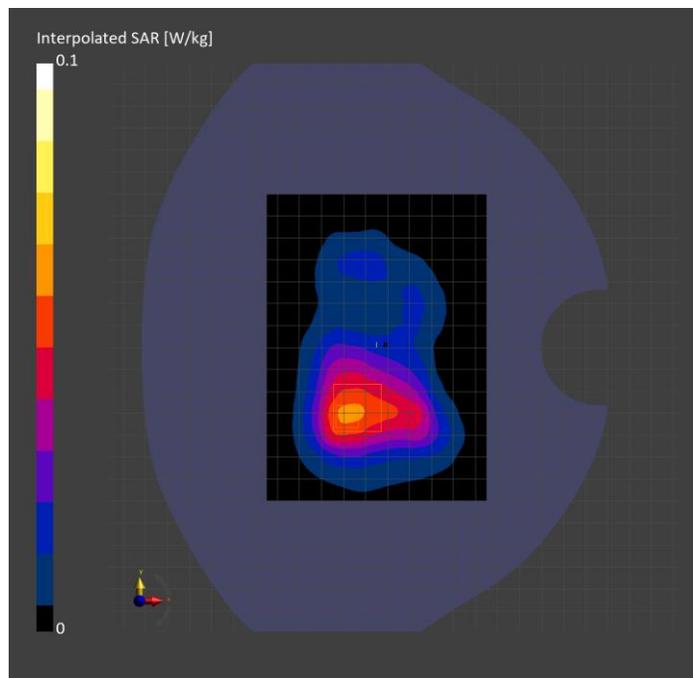
Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 140.0	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 [%]		78.6
Dist 3dB Peak [mm]		14.9
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	0.097 [-40.0, -34.0, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.049	0.051
psSAR10g [W/Kg]	0.028	0.029
Power Drift [dB]	N/A	-0.15



Custom Band: CW, BACK

Exposure Conditions

Band	Custom Band	TSL Permittivity	39.9
Frequency [MHz] Channel Number	2440.000 2440000	TSL Conductivity [S/m]	1.74
Group UID	CW 0--	Phantom Section TSL	Flat HSL
Conversion Factor	7.87	Test Distance [mm]	5.00

Hardware Setup

Probe Calibration Date	EX3DV4 - SN7657 2023-05-30	Phantom	Twin-SAM V8.0 (30deg probe tilt)
DAE Calibration Date	DAE4 Sn1799 2023-04-04	TSL Type	HBBL-600-10000
Software Version	16.2.4.2524		

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	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 [%]		84.7
Dist 3dB Peak [mm]		12.1
Peak SAR [W/kg] SAR Peak Location [mm]	N/A	0.061 [-9.0, -24.5, -207.0]

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.034	0.037
psSAR10g [W/Kg]	0.019	0.021
Power Drift [dB]	N/A	-0.17

