

Measurement Report for Band 2, EDGE LEFT, Normal, LTE Main

Exposure Conditions

Band	Band 2	TSL Permittivity	38.1
Frequency [MHz] Channel Number	1907.6 9538	TSL Conductivity [S/m]	1.41
Group UID	WCDMA 10011-CAC	Phantom Section TSL	Flat HSL
Conversion Factor	8.18	Test Distance [mm]	30.00
Communication Configuration	UMTS-FDD (WCDMA)		

Hardware Setup

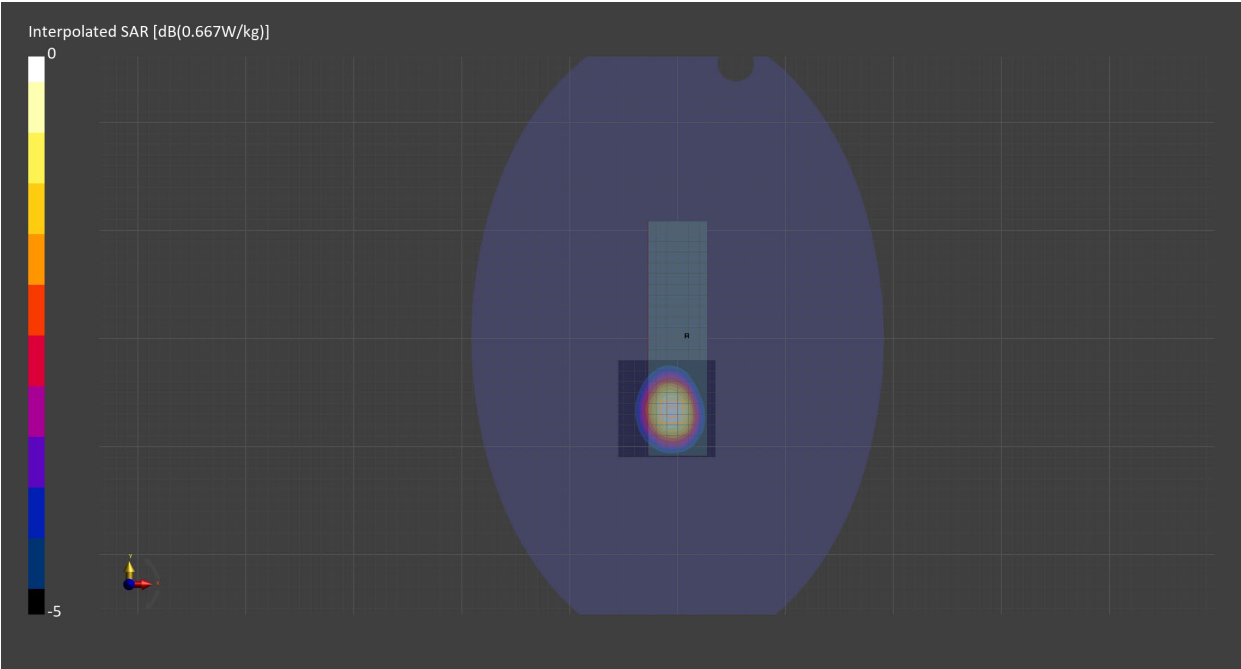
Probe Calibration Date	EX3DV4 - SN7711 2023-03-29	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE Calibration Date	DAE4 Sn1716 2023-03-16	TSL Meas. Date	HBBL-600-10000 2023-Jul-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 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 [%]		83.5
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.560	0.575
psSAR10g [W/Kg]	0.343	0.360
Power Drift [dB]	n/a	-0.01



Measurement Report for Band 4, EDGE LEFT, Normal, LTE Main

Exposure Conditions

Band	Band 4	TSL Permittivity	38.5
Frequency [MHz] Channel Number	1752.6 1513	TSL Conductivity [S/m]	1.33
Group UID	WCDMA 10011-CAC	Phantom Section TSL	Flat HSL
Conversion Factor	8.64	Test Distance [mm]	30.00
Communication Configuration	UMTS-FDD (WCDMA)		

Hardware Setup

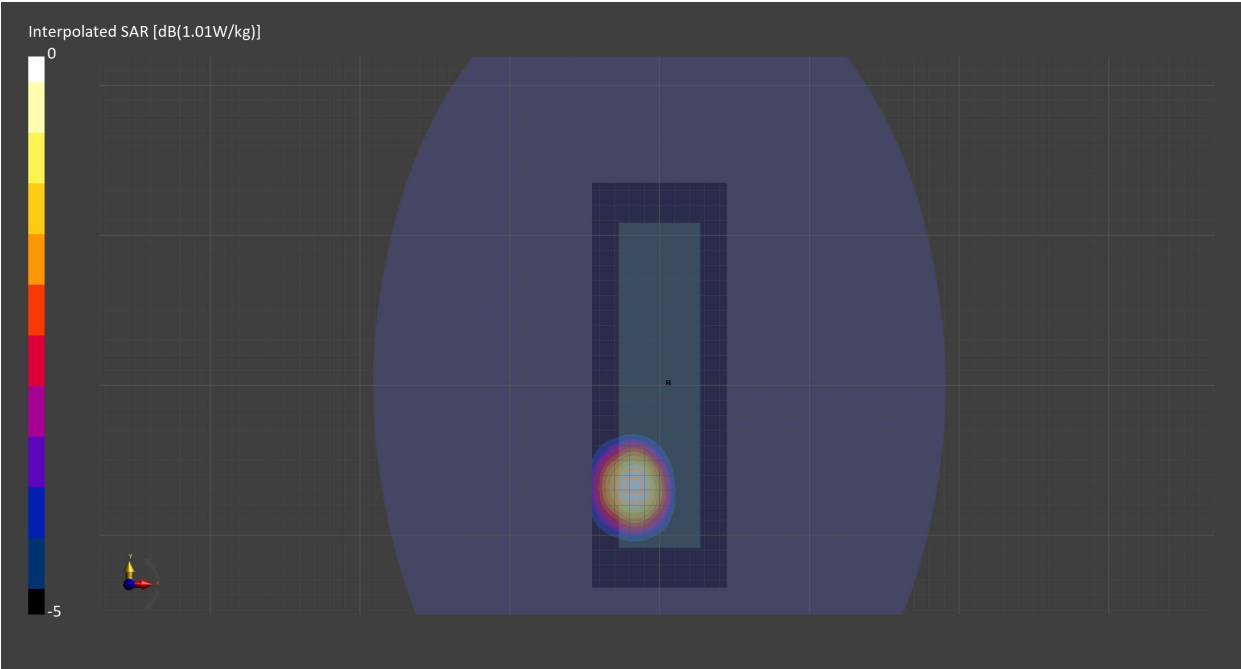
Probe Calibration Date	EX3DV4 - SN7711 2023-03-29	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE Calibration Date	DAE4 Sn1716 2023-03-16	TSL Meas. Date	HBBL-600-10000 2023-Aug-01

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 270.0	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 [%]		84.1
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.597	0.618
psSAR10g [W/Kg]	0.368	0.393
Power Drift [dB]	n/a	0.08



Measurement Report for Band 5, BACK, Normal, LTE Main

Exposure Conditions

Band	Band 5	TSL Permittivity	40.3
Frequency [MHz] Channel Number	846.6 4233	TSL Conductivity [S/m]	0.954
Group UID	WCDMA 10011-CAC	Phantom Section TSL	Flat HSL
Conversion Factor	9.91	Test Distance [mm]	30.00
Communication Configuration	UMTS-FDD (WCDMA)		

Hardware Setup

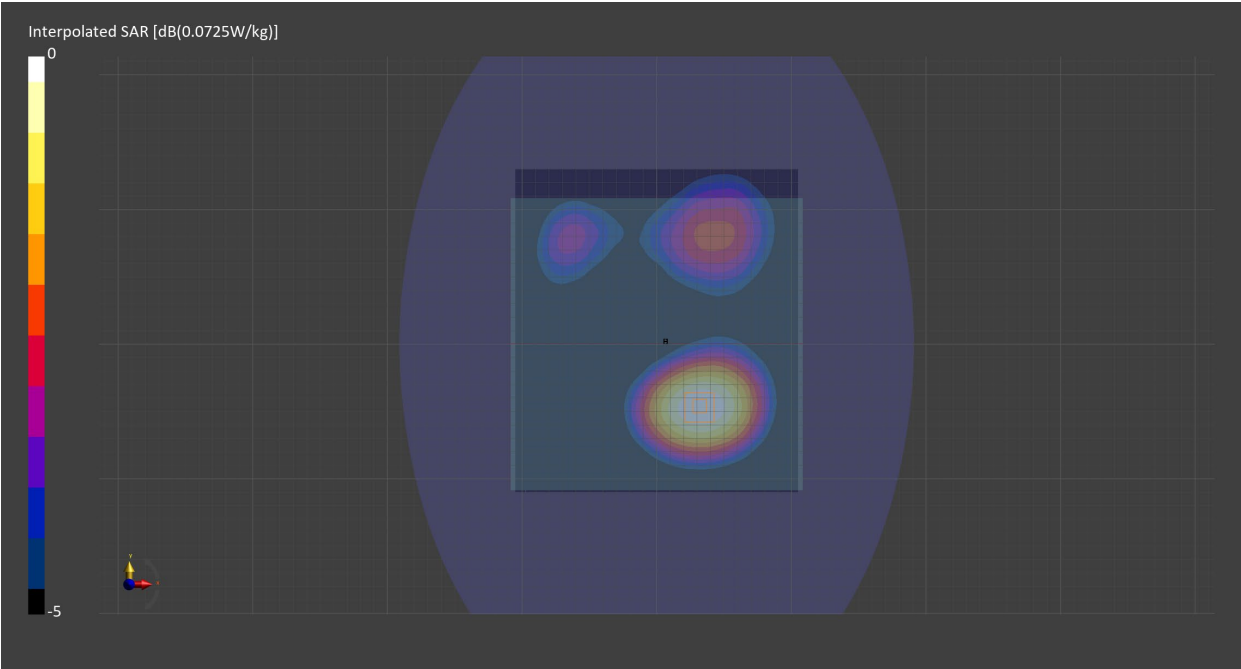
Probe Calibration Date	EX3DV4 - SN7709 2022-12-12	Phantom	ELI V5.0 (20deg probe tilt) - SN1196
DAE Calibration Date	DAE4 Sn1714 2022-11-23	TSL Meas. Date	HBBL-600-10000 2023-Aug-01

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	210.0 x 240.0	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 [%]		88.5
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.064	0.067
psSAR10g [W/Kg]	0.045	0.049
Power Drift [dB]	n/a	0.07



Measurement Report for Band 4, EDGE LEFT, Normal, LTE Main

Exposure Conditions

Band	Band 4	TSL Permittivity	38.4
Frequency [MHz] Channel Number	1732.5 20175	TSL Conductivity [S/m]	1.30
Group UID	LTE-FDD 10169-CAF	Phantom Section TSL	Flat HSL
Conversion Factor	8.64	Test Distance [mm]	30.00
Communication Configuration	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO		

Hardware Setup

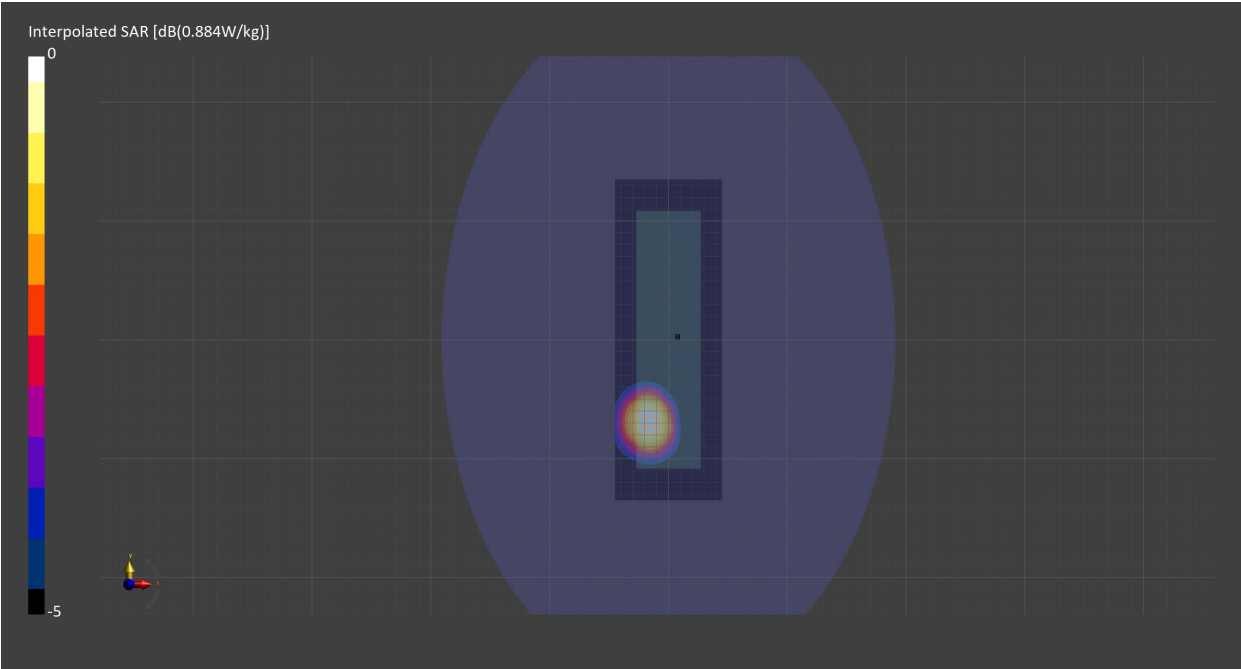
Probe Calibration Date	EX3DV4 - SN7711 2023-03-29	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE Calibration Date	DAE4 Sn1716 2023-03-16	TSL Meas. Date	HBBL-600-10000 2023-Jul-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 270.0	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 [%]		84.2
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.514	0.535
psSAR10g [W/Kg]	0.316	0.339
Power Drift [dB]	n/a	0.15



Measurement Report for Band 7, EDGE LEFT, Normal, LTE Main

Exposure Conditions

Band	Band 7	TSL Permittivity	38.1
Frequency [MHz] Channel Number	2535.0 21100	TSL Conductivity [S/m]	1.88
Group UID	LTE-FDD 10169-CAF	Phantom Section TSL	Flat HSL
Conversion Factor	7.97	Test Distance [mm]	30.00
Communication Configuration	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO		

Hardware Setup

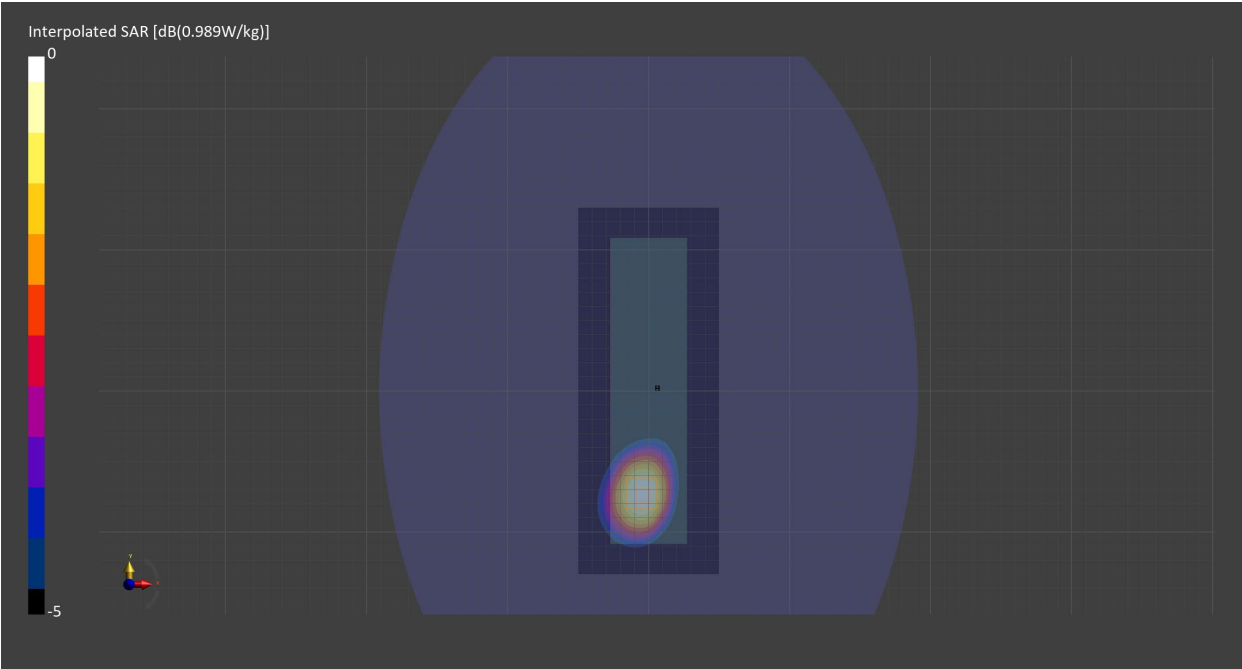
Probe Calibration Date	EX3DV4 - SN7710 2023-02-03	Phantom	ELI V8.0 (20deg probe tilt) - SN2081
DAE Calibration Date	DAE4 Sn1715 2023-01-23	TSL Meas. Date	HBBL600-10000V6 2023-Jul-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 260.0	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 [%]		78.9
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.503	0.512
psSAR10g [W/Kg]	0.283	0.294
Power Drift [dB]	n/a	0.09



Measurement Report for Band 12, EDGE LEFT, Normal, LTE Main

Exposure Conditions

Band	Band 12	TSL Permittivity	40.4
Frequency [MHz] Channel Number	707.5 23095	TSL Conductivity [S/m]	0.891
Group UID	LTE-FDD 10175-CAH	Phantom Section TSL	Flat HSL
Conversion Factor	10.56	Test Distance [mm]	30.00
Communication Configuration	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO		

Hardware Setup

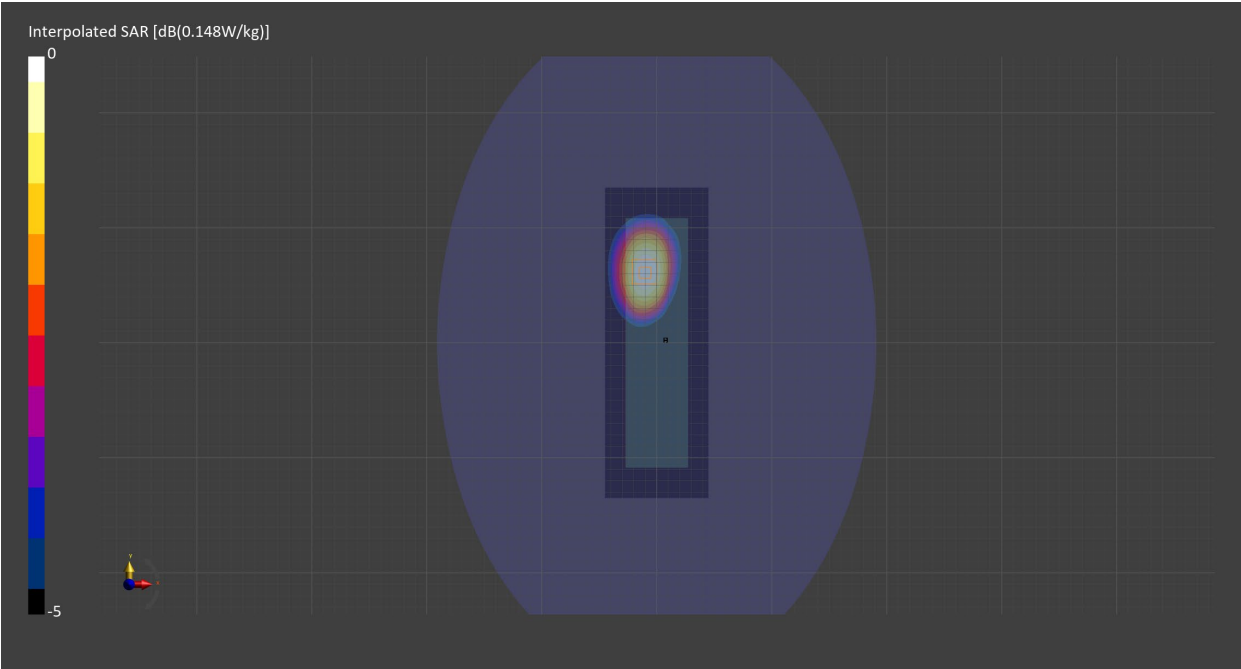
Probe Calibration Date	EX3DV4 - SN7709 2022-12-12	Phantom	ELI V5.0 (20deg probe tilt) - SN1196
DAE Calibration Date	DAE4 Sn1714 2022-11-23	TSL Meas. Date	HBBL-600-10000 2023-Jul-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 270.0	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 [%]		85.6
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.131	0.134
psSAR10g [W/Kg]	0.091	0.093
Power Drift [dB]	n/a	0.01



Measurement Report for Band 13, EDGE LEFT, Normal, LTE Main

Exposure Conditions

Band	Band 13	TSL Permittivity	40.2
Frequency [MHz] Channel Number	782.0 23230	TSL Conductivity [S/m]	0.919
Group UID	LTE-FDD 10175-CAH	Phantom Section TSL	Flat HSL
Conversion Factor	10.56	Test Distance [mm]	30.00
Communication Configuration	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) RBPosition:High AntennaCfg:SISO		

Hardware Setup

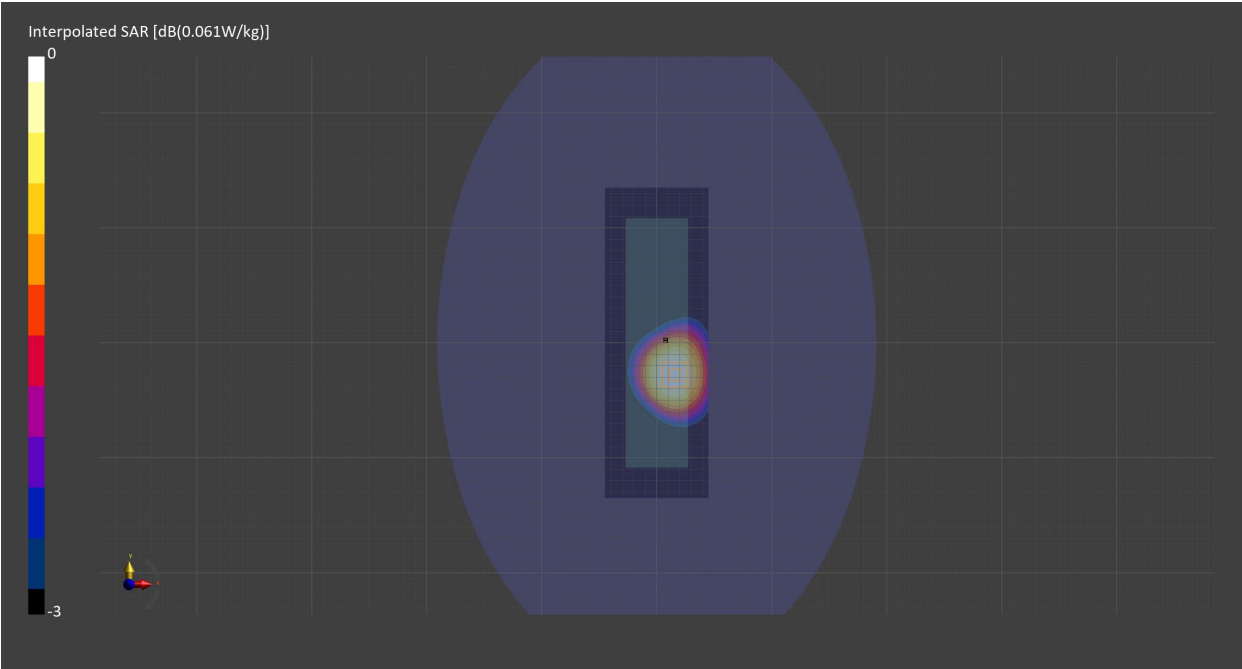
Probe Calibration Date	EX3DV4 - SN7709 2022-12-12	Phantom	ELI V5.0 (20deg probe tilt) - SN1196
DAE Calibration Date	DAE4 Sn1714 2022-11-23	TSL Meas. Date	HBBL-600-10000 2023-Jul-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 270.0	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 [%]		89.5
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.044	0.043
psSAR10g [W/Kg]	0.031	0.031
Power Drift [dB]	n/a	-0.08



Measurement Report for Band 25, EDGE LEFT, Normal, LTE Main

Exposure Conditions

Band	Band 25	TSL Permittivity	38.1
Frequency [MHz] Channel Number	1905.0 26590	TSL Conductivity [S/m]	1.40
Group UID	LTE-FDD 10169-CAF	Phantom Section TSL	Flat HSL
Conversion Factor	8.18	Test Distance [mm]	30.00
Communication Configuration	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO		

Hardware Setup

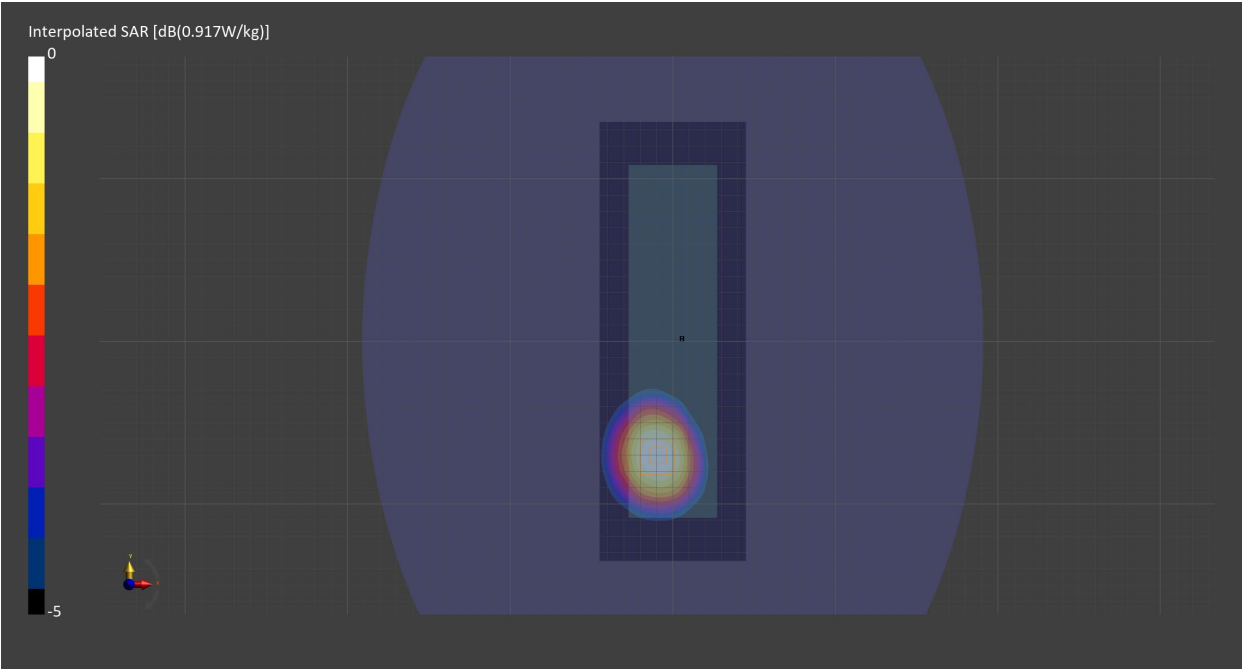
Probe Calibration Date	EX3DV4 - SN7711 2023-03-29	Phantom	ELI V8.0 (20deg probe tilt) - SN2160
DAE Calibration Date	DAE4 Sn1716 2023-03-16	TSL Meas. Date	HBBL-600-10000 2023-Jul-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 270.0	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 [%]		82.8
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.531	0.549
psSAR10g [W/Kg]	0.327	0.345
Power Drift [dB]	n/a	-0.03



Measurement Report for Band 26, EDGE BOTTOM, Normal, LTE Main

Exposure Conditions

Band	Band 26	TSL Permittivity	40.8
Frequency [MHz] Channel Number	831.5 26865	TSL Conductivity [S/m]	0.952
Group UID	LTE-FDD 10181-CAF	Phantom Section TSL	Flat HSL
Conversion Factor	9.91	Test Distance [mm]	30.00
Communication Configuration	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) RBPosition:Mid AntennaCfg:SISO		

Hardware Setup

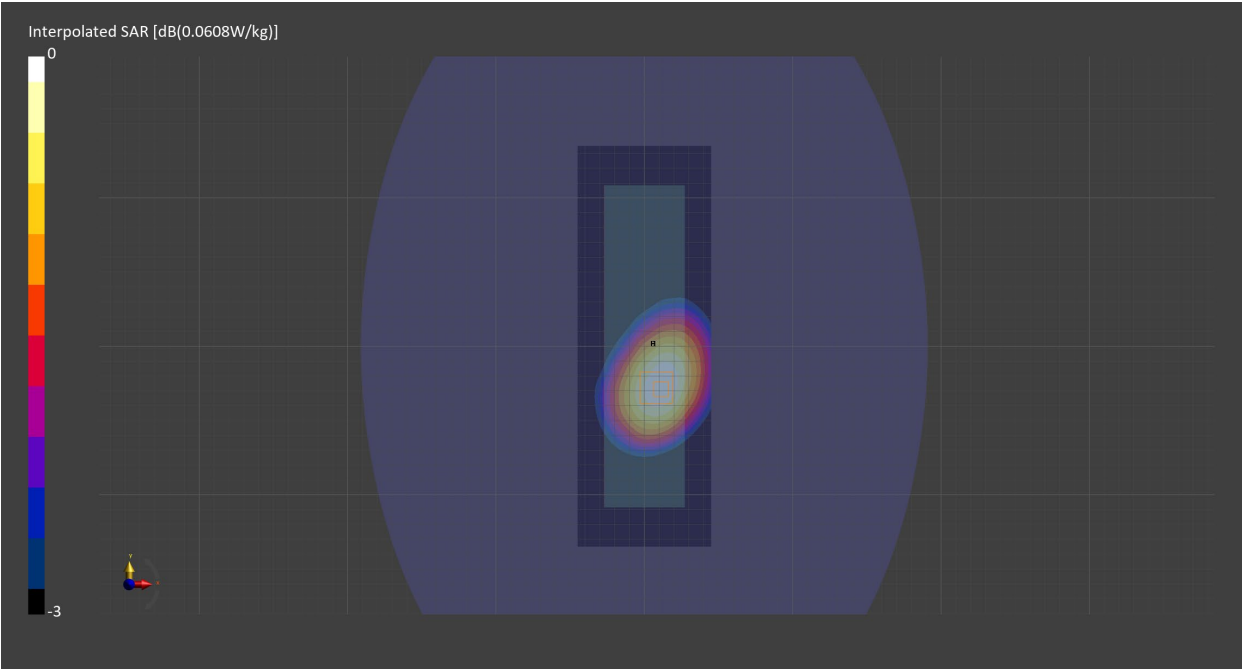
Probe Calibration Date	EX3DV4 - SN7709 2022-12-12	Phantom	ELI V5.0 (20deg probe tilt) - SN1196
DAE Calibration Date	DAE4 Sn1714 2022-11-23	TSL Meas. Date	HBBL-600-10000 2023-Jul-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 270.0	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 [%]		88.9
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.042	0.042
psSAR10g [W/Kg]	0.030	0.031
Power Drift [dB]	n/a	0.04



Measurement Report for Band 41, EDGE LEFT, Normal, LTE Main

Exposure Conditions

Band	Band 41	TSL Permittivity	38.2
Frequency [MHz] Channel Number	2636.5 41055	TSL Conductivity [S/m]	1.97
Group UID	LTE-TDD 10435-AAG	Phantom Section TSL	Flat HSL
Conversion Factor	7.97	Test Distance [mm]	30.00
Communication Configuration	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Low AntennaCfg:SISO		

Hardware Setup

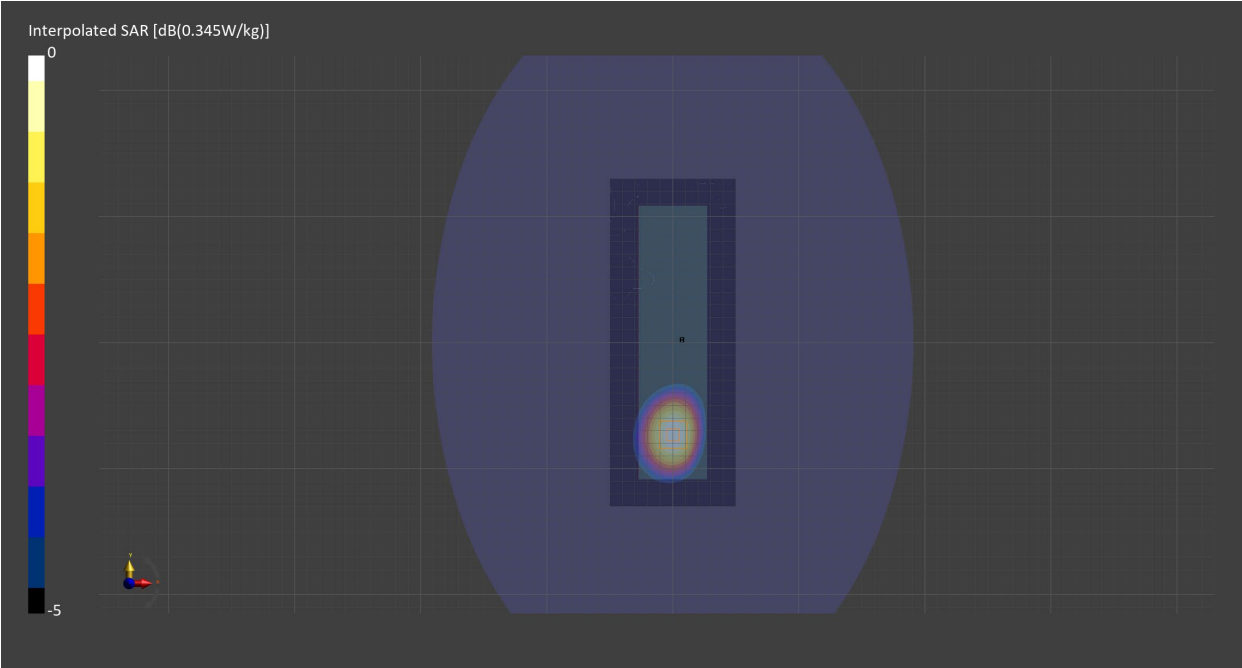
Probe Calibration Date	EX3DV4 - SN7710 2023-02-03	Phantom	ELI V8.0 (20deg probe tilt) - SN2081
DAE Calibration Date	DAE4 Sn1715 2023-01-23	TSL Meas. Date	HBBL600-10000V6 2023-Jul-27

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 260.0	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 [%]		77.2
Dist 3dB Peak [mm]		> 15.0

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.280	0.294
psSAR10g [W/Kg]	0.157	0.165
Power Drift [dB]	n/a	-0.05



Measurement Report for WLAN 2.4GHz, EDGE RIGHT, Normal, WiFi

Exposure Conditions

Band	WLAN 2.4GHz	TSL Permittivity	39.4
Frequency [MHz] Channel Number	2462.0 11	TSL Conductivity [S/m]	1.84
Group UID	WLAN 10415-AAA	Phantom Section TSL	Flat HSL
Conversion Factor	8.6	Test Distance [mm]	30.00
Communication Configuration	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)		

Hardware Setup

Probe Calibration Date	EX3DV4 - SN7709 2022-12-12	Phantom	ELI V5.0 (20deg probe tilt) - SN1196
DAE Calibration Date	DAE4 Sn1714 2022-11-23	TSL Meas. Date	HBBL-600-10000 2023-Jul-28

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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]		21.3

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.062	0.061
psSAR10g [W/Kg]	0.035	0.033
Power Drift [dB]	n/a	-0.03

