UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-17

Measurement Report for SM-F956U, BACK, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0-1), Channel 190 (836.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	GSM 850	GSM, 10024-DAC	836.600	8.99	0.922	41.5

Hardware Setup

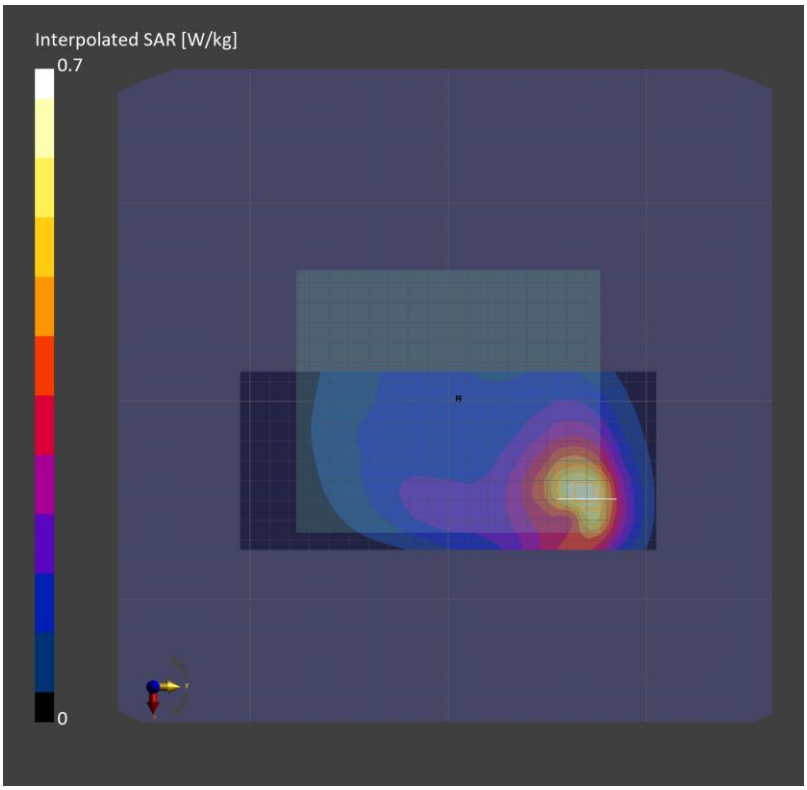
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.545	0.548
psSAR10g [W/Kg]	0.354	0.327
Power Drift [dB]		0.01
M2/M1 [%]		81.1
Dist 3dB Peak [mm]		14.7



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-17

Measurement Report for SM-F956U, FRONT, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0-1), Channel 190 (836.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	GSM 850	GSM, 10024-DAC	836.600	8.99	0.922	41.5

Hardware Setup

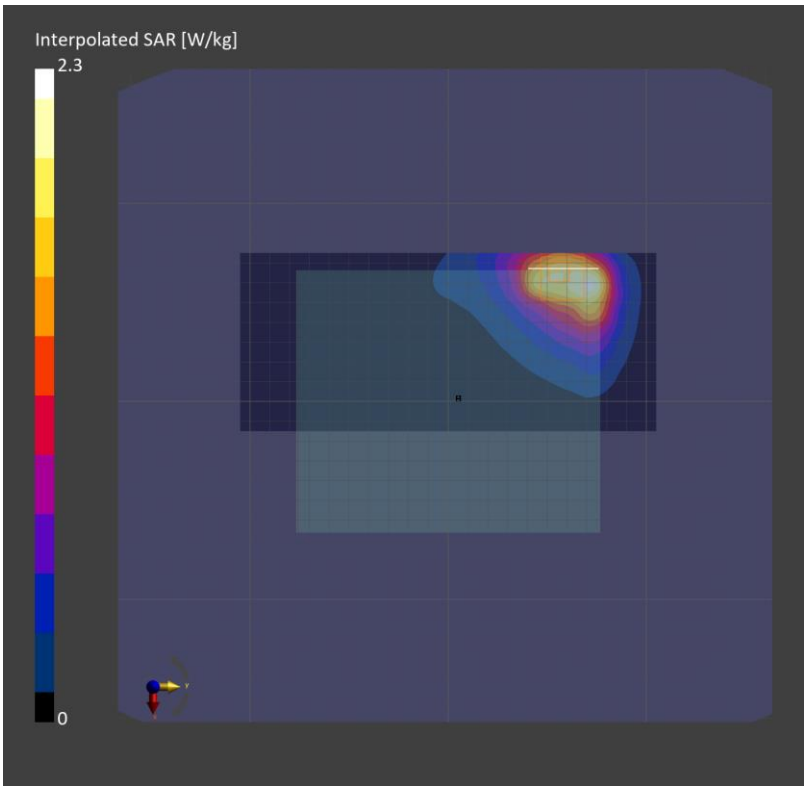
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	5.9 x 5.9 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.83	2.14
psSAR10g [W/Kg]	1.19	1.11
Power Drift [dB]		0.02
M2/M1 [%]		65.3
Dist 3dB Peak [mm]		7.1



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-17

Measurement Report for SM-F956U, BACK, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0-1), Channel 190 (836.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	GSM 850	GSM, 10024-DAC	836.600	8.99	0.922	41.5

Hardware Setup

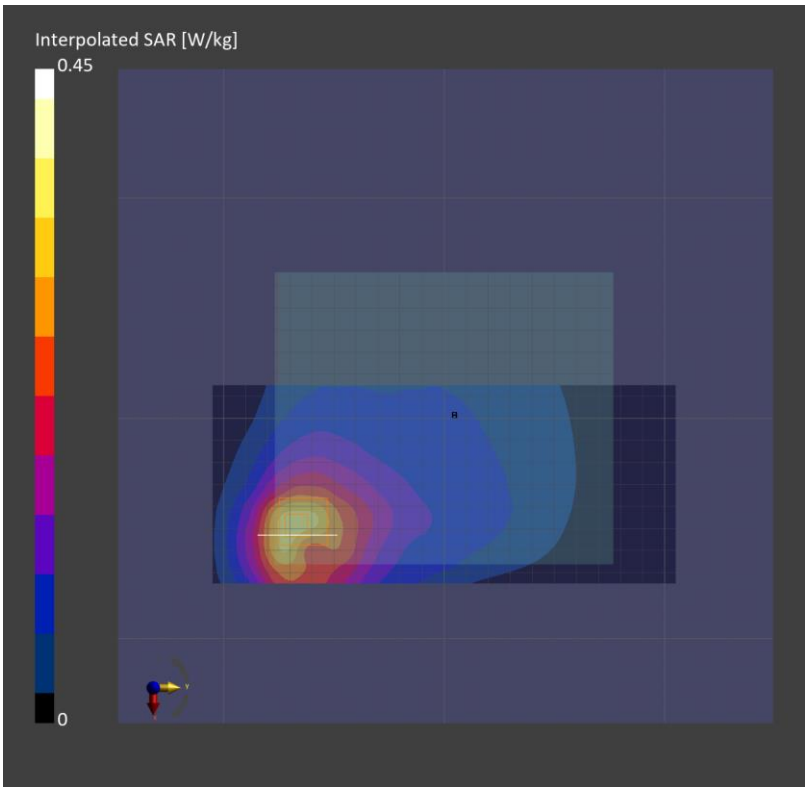
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.316	0.312
psSAR10g [W/Kg]	0.210	0.189
Power Drift [dB]		-0.04
M2/M1 [%]		80.0
Dist 3dB Peak [mm]		15.1



UL Korea, Ltd. Suwon Laboratory SAR#9
Date/Time:2024-04-12

Measurement Report for SM-F956U, FRONT, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0-1), Channel 190 (836.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	GSM 850	GSM, 10024-DAC	836.600	10.11	0.918	40.5

Hardware Setup

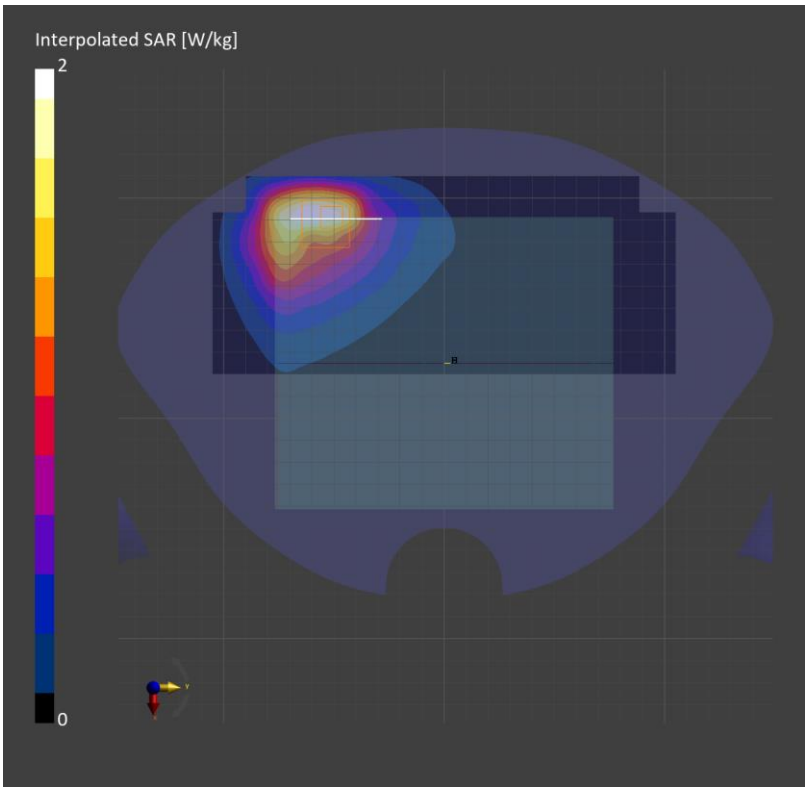
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000	EX3DV4 - SN7330, 2024-01-22	DAE4 Sn474, 2023-11-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	4.6 x 4.6 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.68	1.84
psSAR10g [W/Kg]	1.07	0.940
Power Drift [dB]		0.01
M2/M1 [%]		64.6
Dist 3dB Peak [mm]		5.0



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-15

Measurement Report for SM-F956U, EDGE BOTTOM, PCS 1900, GPRS-FDD (TDMA, GMSK, TN 0), Channel 661 (1880.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	PCS 1900	GSM, 10028-DAC	1880.000	8.07	1.44	38.6

Hardware Setup

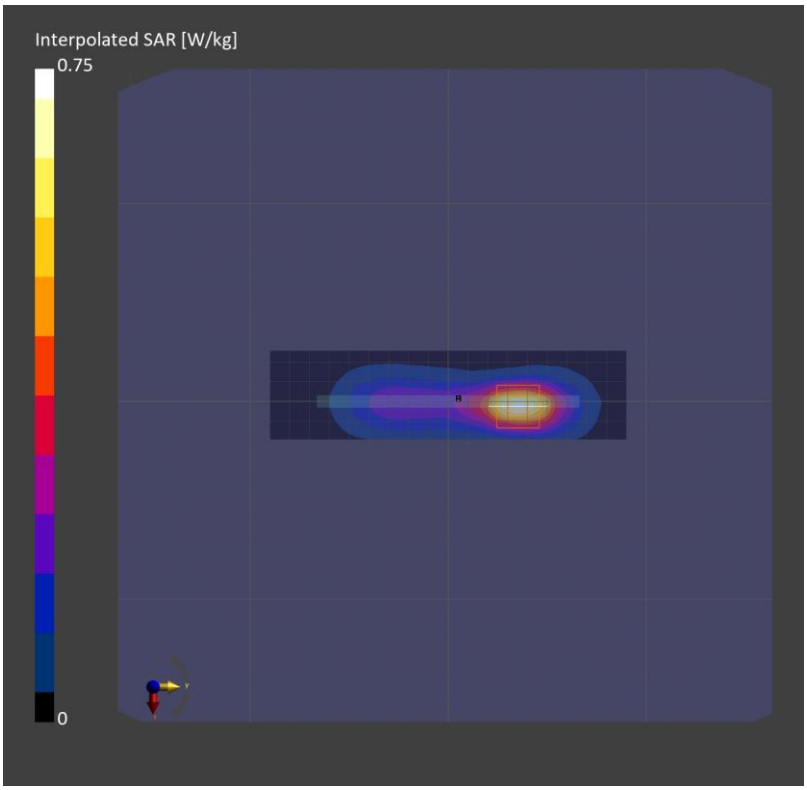
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.556	0.582
psSAR10g [W/Kg]	0.285	0.295
Power Drift [dB]		-0.01
M2/M1 [%]		82.1
Dist 3dB Peak [mm]		9.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-15

Measurement Report for SM-F956U, EDGE BOTTOM, PCS 1900, GPRS-FDD (TDMA, GMSK, TN 0), Channel 661 (1880.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	PCS 1900	GSM, 10028-DAC	1880.000	8.07	1.44	38.6

Hardware Setup

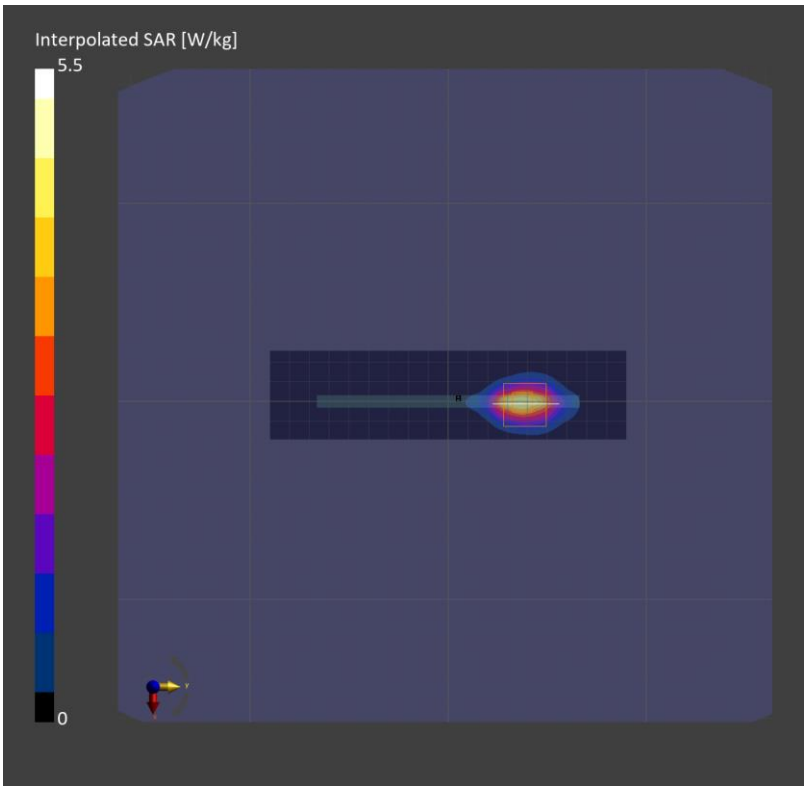
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	4.8 x 4.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.58	3.52
psSAR10g [W/Kg]	1.62	1.58
Power Drift [dB]		0.03
M2/M1 [%]		77.8
Dist 3dB Peak [mm]		6.8



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-12

Measurement Report for SM-F956U, EDGE BOTTOM, Band 2, UMTS-FDD (WCDMA), Channel 9400 (1880.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band 2	WCDMA, 10011-CAC	1880.000	8.07	1.44	39.1

Hardware Setup

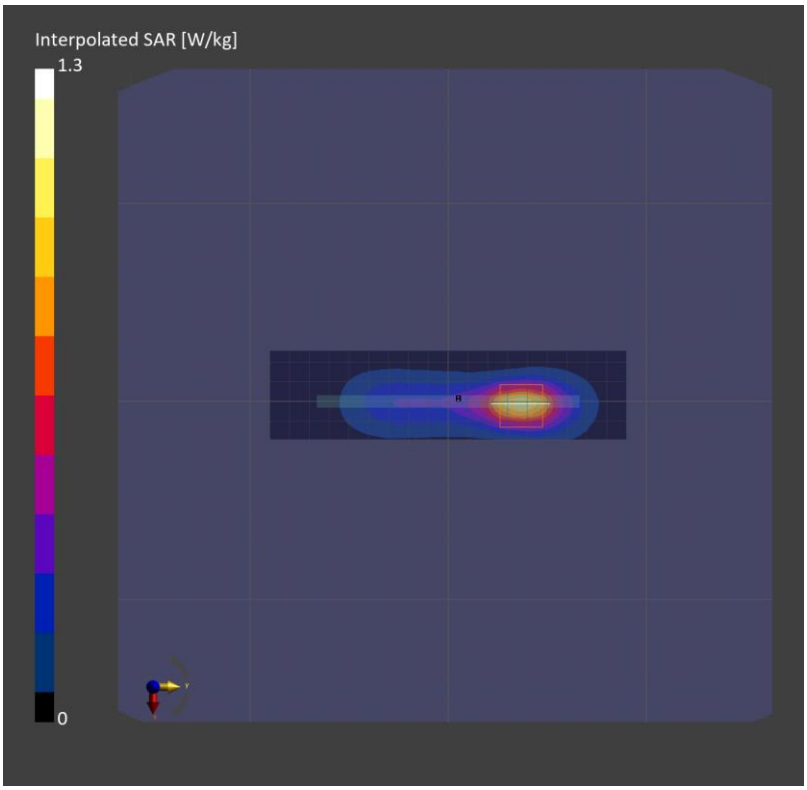
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.849	0.888
psSAR10g [W/Kg]	0.432	0.438
Power Drift [dB]		0.05
M2/M1 [%]		78.6
Dist 3dB Peak [mm]		8.5



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-12

Measurement Report for SM-F956U, EDGE BOTTOM, Band 2, UMTS-FDD (WCDMA), Channel 9262 (1852.400 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band 2	WCDMA, 10011-CAC	1852.400	8.07	1.43	39.1

Hardware Setup

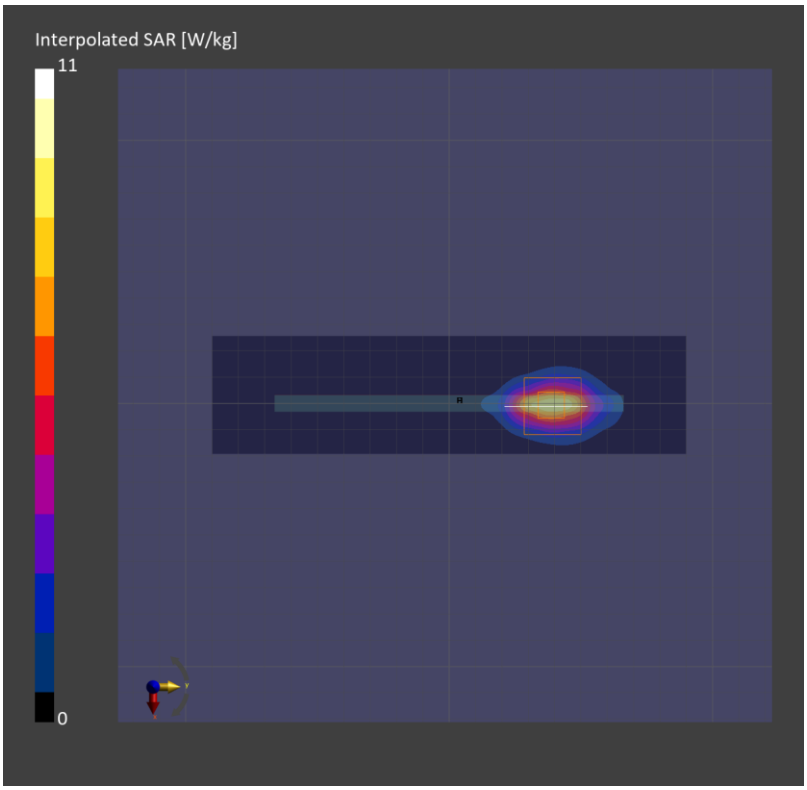
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	4.5 x 4.5 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	7.00	6.92
psSAR10g [W/Kg]	3.04	2.83
Power Drift [dB]		0.02
M2/M1 [%]		72.5
Dist 3dB Peak [mm]		5.5



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-12

Measurement Report for SM-F956U, EDGE BOTTOM, Band 4, UMTS-FDD (WCDMA), Channel 1413 (1732.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band 4	WCDMA, 10011-CAC	1732.600	8.61	1.36	39.3

Hardware Setup

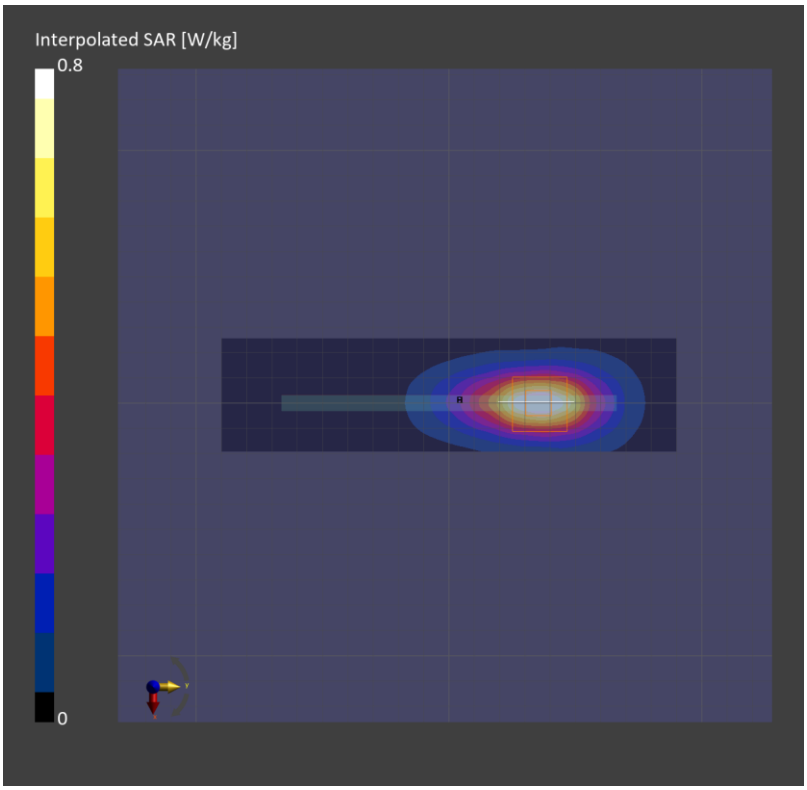
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.668	0.697
psSAR10g [W/Kg]	0.351	0.355
Power Drift [dB]		-0.00
M2/M1 [%]		78.4
Dist 3dB Peak [mm]		9.2



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-12

Measurement Report for SM-F956U, EDGE BOTTOM, Band 4, UMTS-FDD (WCDMA), Channel 1513 (1752.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band 4	WCDMA, 10011-CAC	1752.600	8.61	1.37	39.2

Hardware Setup

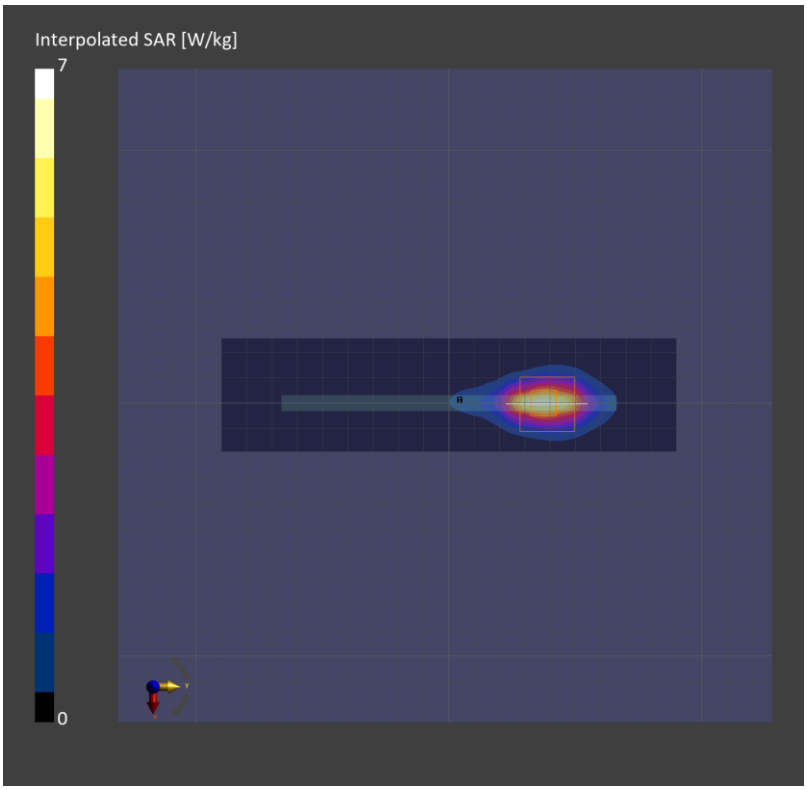
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	4.6 x 4.6 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	4.73	4.68
psSAR10g [W/Kg]	2.09	1.92
Power Drift [dB]		-0.02
M2/M1 [%]		70.3
Dist 3dB Peak [mm]		5.6



UL Korea, Ltd. Suwon Laboratory SAR#74
Date/Time:2024-04-15

Measurement Report for SM-F956U, BACK, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 5	WCDMA, 10011-CAC	836.600	8.99	0.922	41.5

Hardware Setup

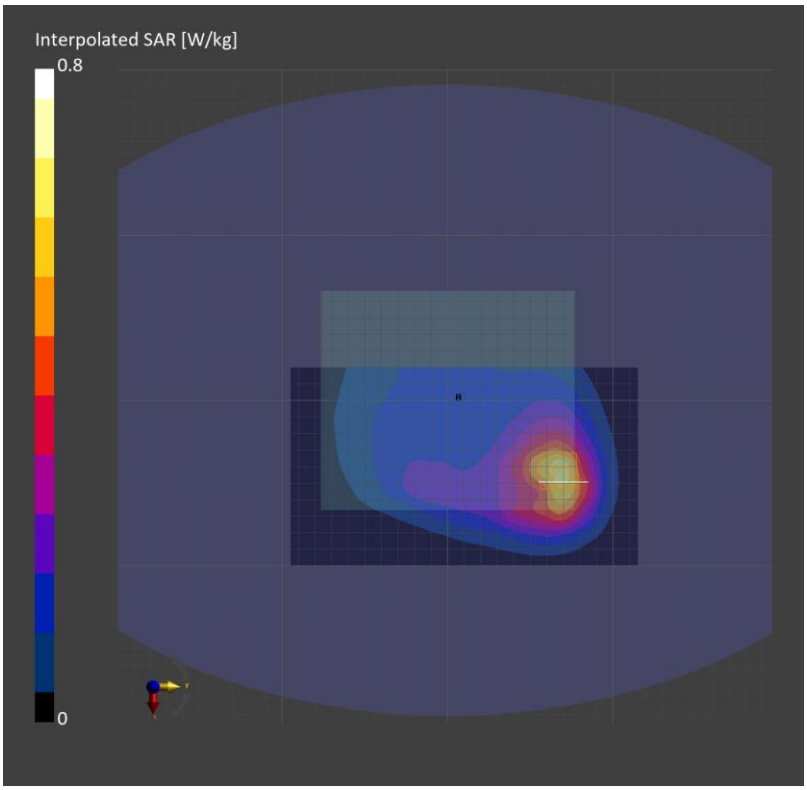
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.562	0.599
psSAR10g [W/Kg]	0.369	0.358
Power Drift [dB]		0.01
M2/M1 [%]		83.1
Dist 3dB Peak [mm]		14.9



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-15

Measurement Report for SM-F956U, EDGE RIGHT, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE RIGHT, 0.00	Band 5	WCDMA, 10011-CAC	836.600	8.99	0.922	41.5

Hardware Setup

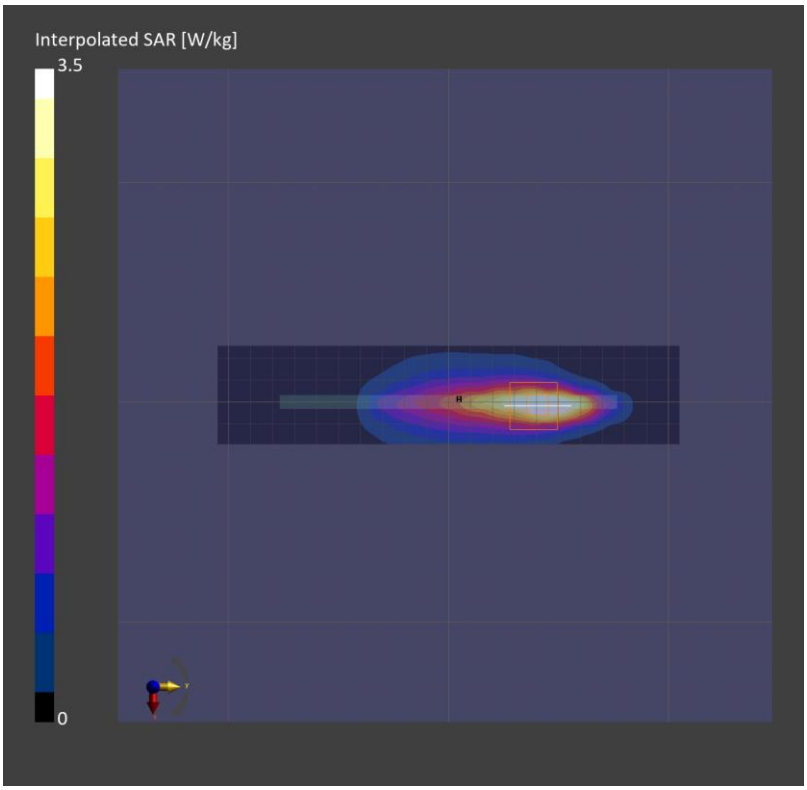
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.22	3.67
psSAR10g [W/Kg]	1.66	1.49
Power Drift [dB]		0.01
M2/M1 [%]		58.9
Dist 3dB Peak [mm]		4.7



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-16

Measurement Report for SM-F956U, BACK, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 5	WCDMA, 10011-CAC	836.600	8.99	0.922	41.5

Hardware Setup

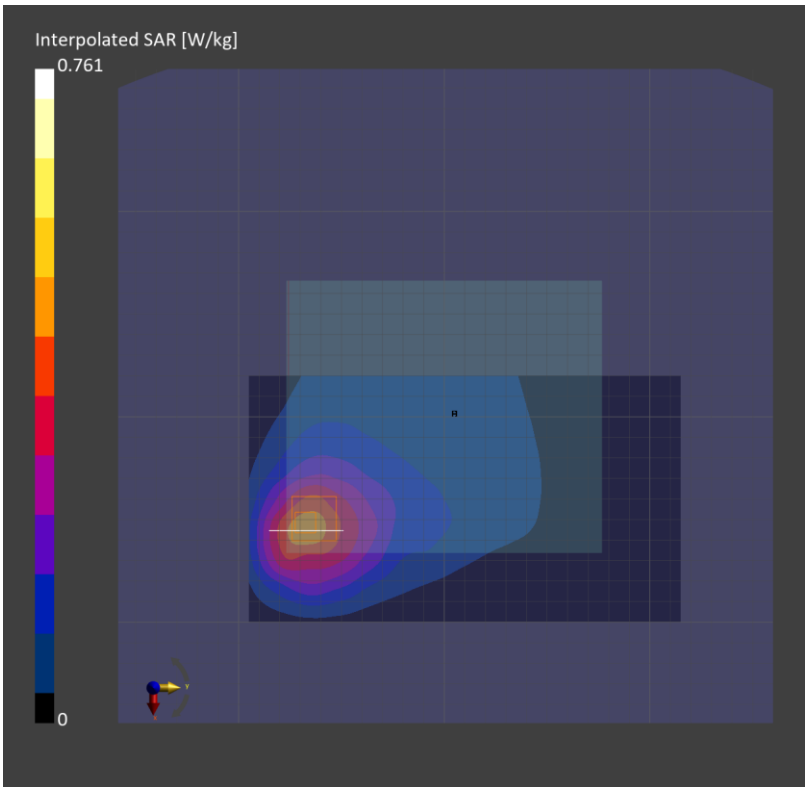
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.423	0.428
psSAR10g [W/Kg]	0.285	0.258
Power Drift [dB]		-0.03
M2/M1 [%]		84.0
Dist 3dB Peak [mm]		15.4



UL Korea, Ltd. Suwon Laboratory SAR#9
Date/Time:2024-04-11

Measurement Report for SM-F956U, FRONT, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.600 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 5	WCDMA, 10011-CAC	836.600	10.11	0.918	40.5

Hardware Setup

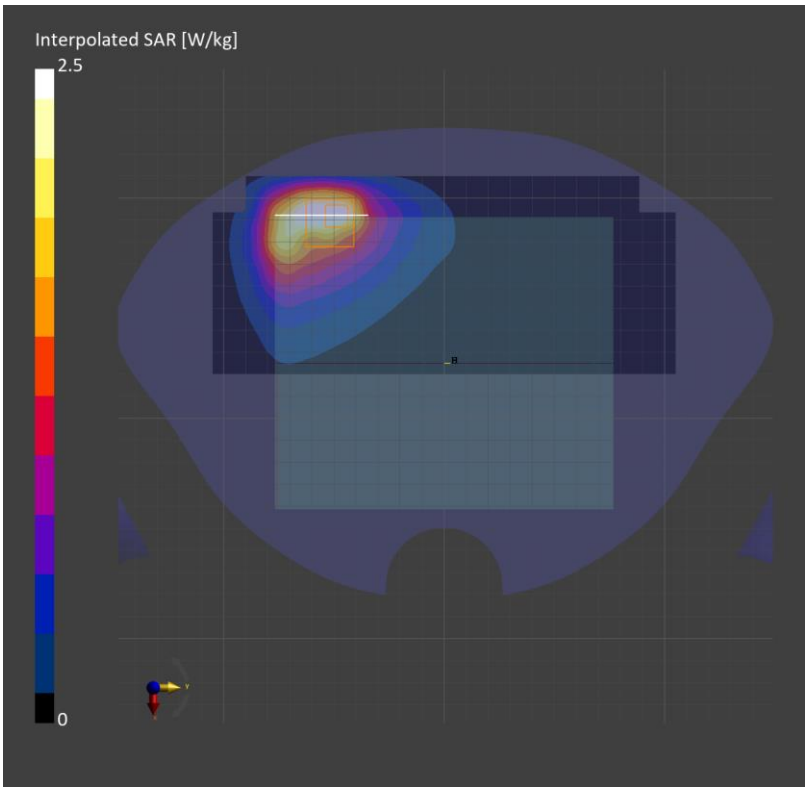
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000	EX3DV4 - SN7330, 2024-01-22	DAE4 Sn474, 2023-11-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.20	2.50
psSAR10g [W/Kg]	1.38	1.22
Power Drift [dB]		-0.01
M2/M1 [%]		58.8
Dist 3dB Peak [mm]		4.9



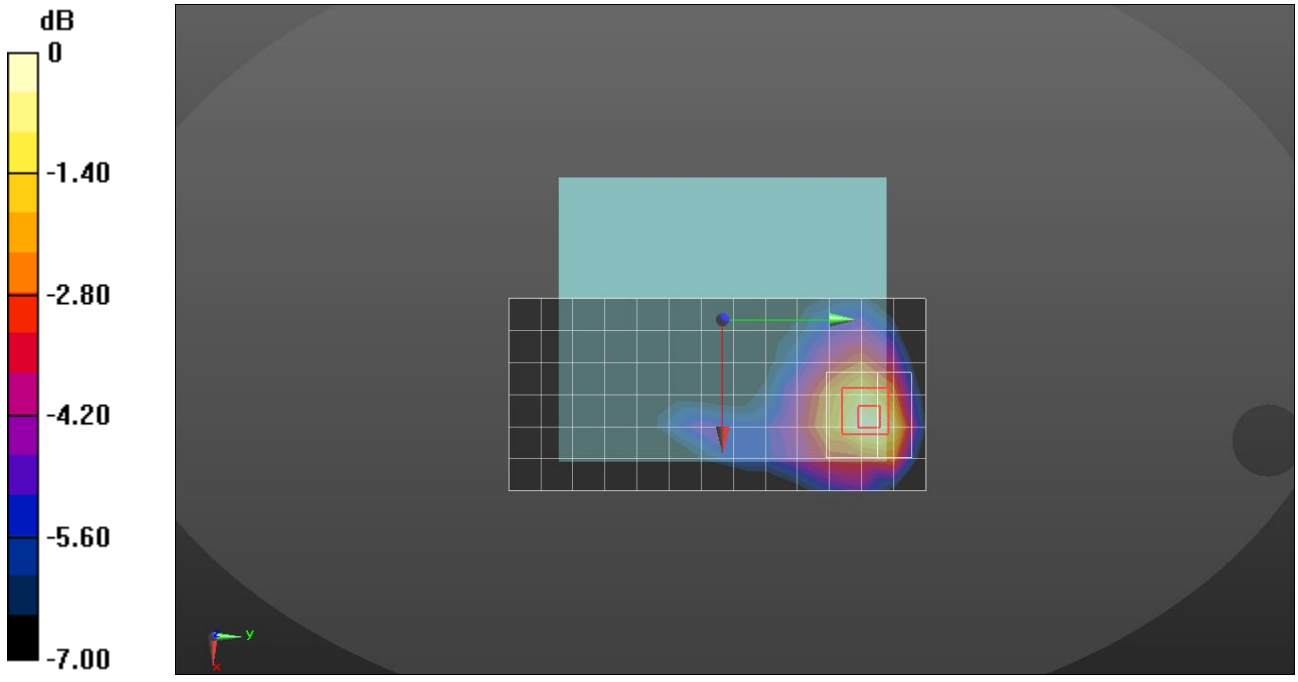
LTE Band 5

Frequency: 836.5 MHz; Communication System Channel Number: 20525; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.926 S/m; ε_r = 40.828; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/25 ch.20525/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.825 W/kg

Rear/QPSK RB 1/25 ch.20525/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.34 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.354 W/kg
Smallest distance from peaks to all points 3 dB below = 14.8 mm
Ratio of SAR at M2 to SAR at M1 = 52.5%
Maximum value of SAR (measured) = 0.892 W/kg



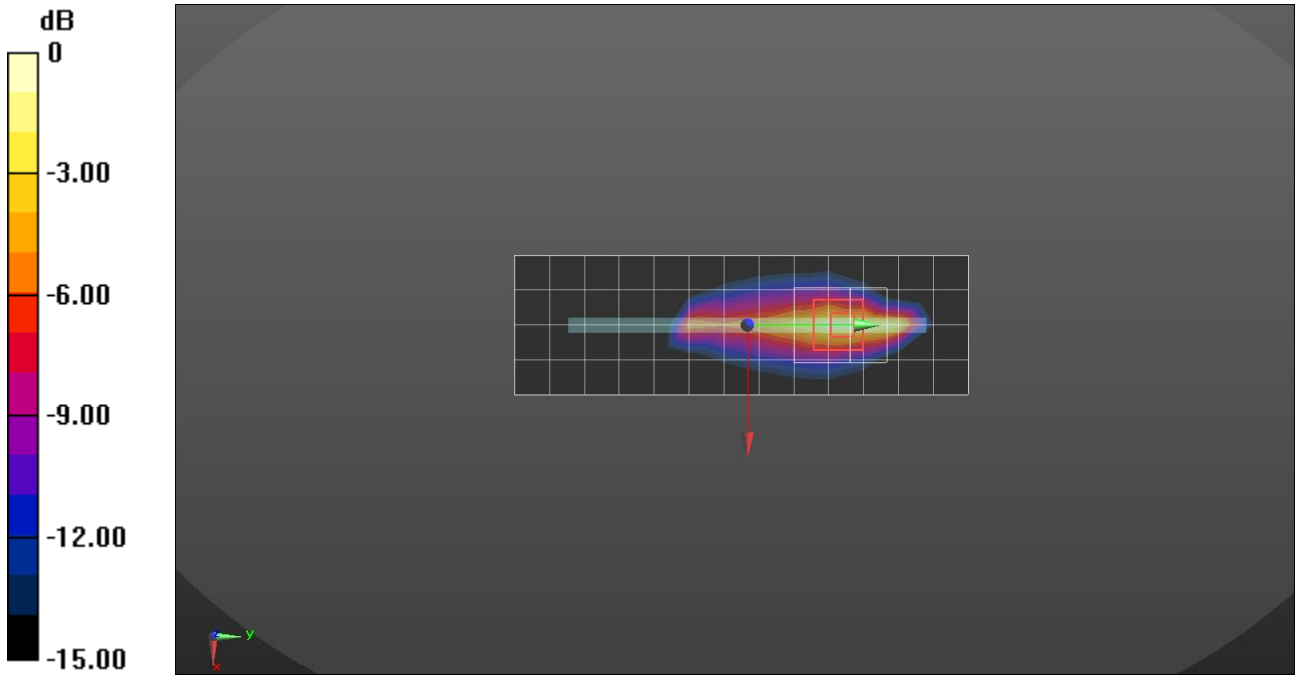
LTE Band 5

Frequency: 836.5 MHz; Communication System Channel Number: 20525; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.926 S/m; ε_r = 40.828; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 1/25 ch.20525/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 7.58 W/kg

Right/QPSK RB 1/25 ch.20525/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 66.67 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 13.0 W/kg
SAR(1 g) = 3.35 W/kg; SAR(10 g) = 1.38 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 23.9%
Maximum value of SAR (measured) = 8.46 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-16

Measurement Report for SM-F956U, BACK, Band 5, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 20525 (836.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 5	LTE-FDD, 10175-CAH	836.500	8.99	0.922	41.5

Hardware Setup

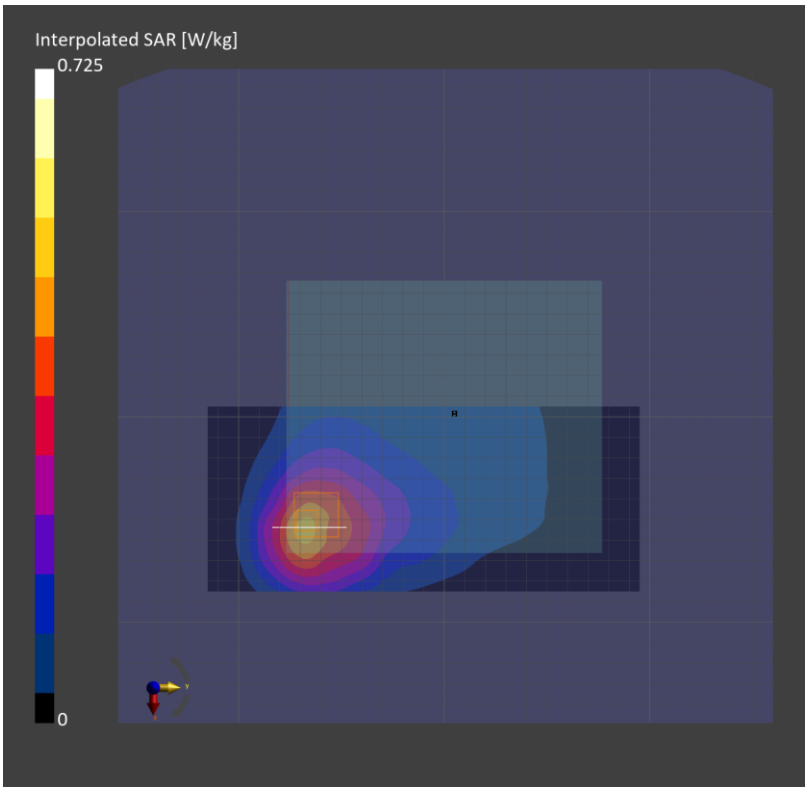
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.440	0.424
psSAR10g [W/Kg]	0.292	0.259
Power Drift [dB]		-0.04
M2/M1 [%]		83.5
Dist 3dB Peak [mm]		15.2



UL Korea, Ltd. Suwon Laboratory SAR#9
Date/Time:2024-04-11

Measurement Report for SM-F956U, FRONT, Band 5, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 20525 (836.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 5	LTE-FDD, 10175-CAH	836.500	10.11	0.918	40.5

Hardware Setup

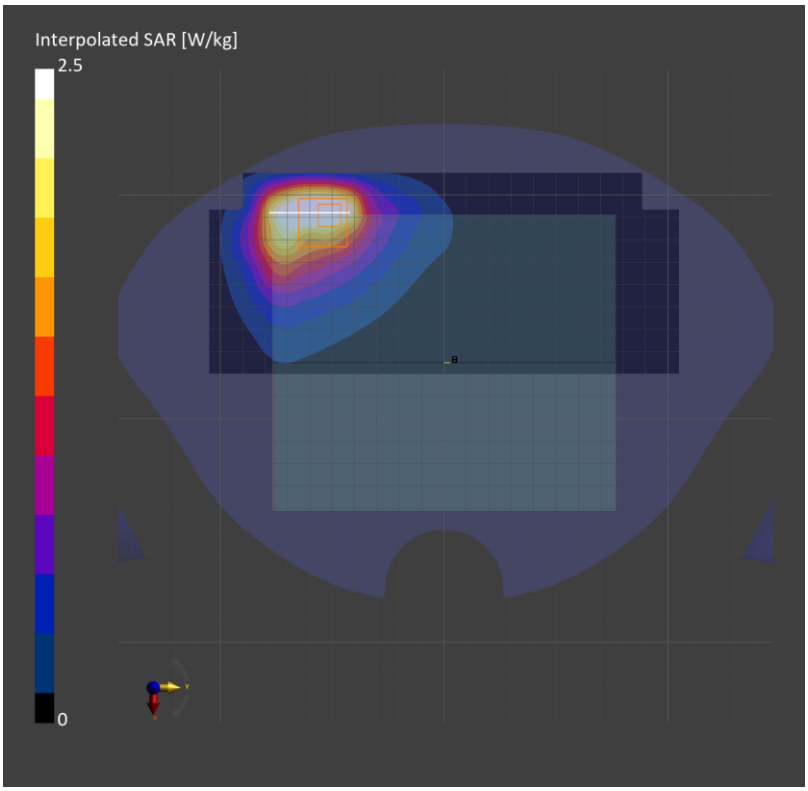
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000	EX3DV4 - SN7330, 2024-01-22	DAE4 Sn474, 2023-11-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.38	2.75
psSAR10g [W/Kg]	1.50	1.32
Power Drift [dB]		-0.02
M2/M1 [%]		58.8
Dist 3dB Peak [mm]		4.9



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE BOTTOM, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 21350 (2560.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band 7	LTE-FDD, 10169-CAF	2560.000	7.11	1.92	40.2

Hardware Setup

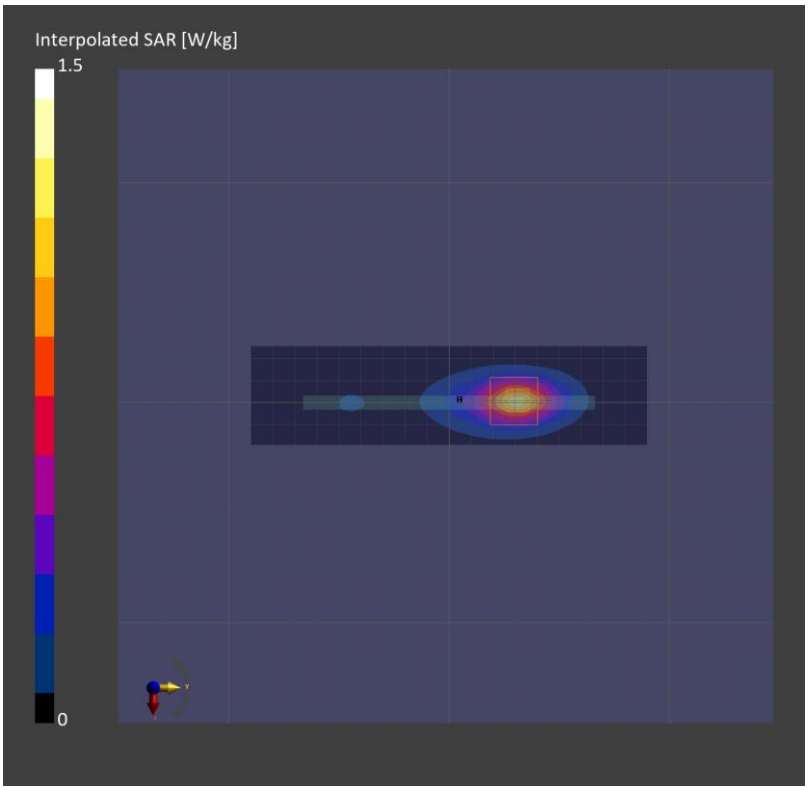
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.874	0.911
psSAR10g [W/Kg]	0.390	0.414
Power Drift [dB]		0.03
M2/M1 [%]		76.6
Dist 3dB Peak [mm]		8.6



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE BOTTOM, Band 7, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 21350 (2560.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band 7	LTE-FDD, 10297-AAE	2560.000	7.11	1.92	40.2

Hardware Setup

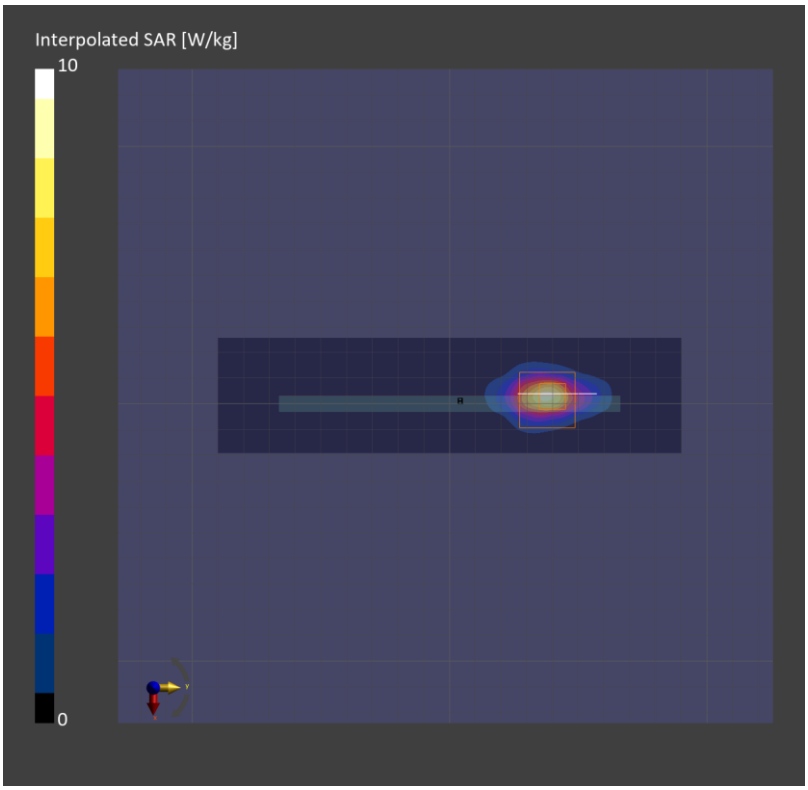
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.31	6.70
psSAR10g [W/Kg]	2.38	2.34
Power Drift [dB]		-0.09
M2/M1 [%]		61.4
Dist 3dB Peak [mm]		4.1



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 21100 (2535.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band 7	LTE-FDD, 10169-CAF	2535.000	7.11	1.90	40.2

Hardware Setup

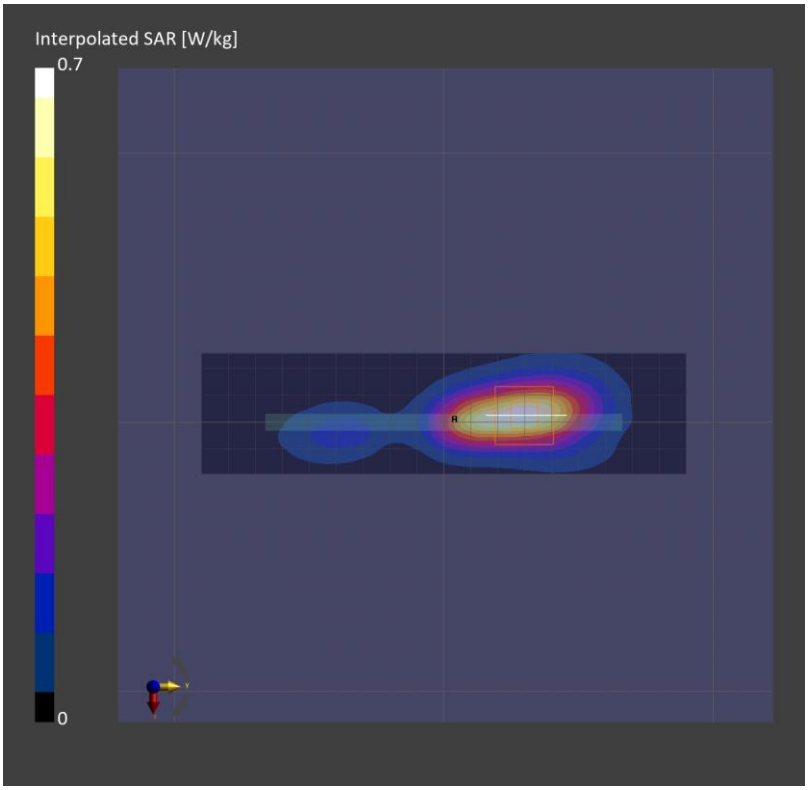
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.528	0.542
psSAR10g [W/Kg]	0.255	0.267
Power Drift [dB]		-0.02
M2/M1 [%]		78.8
Dist 3dB Peak [mm]		9.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 21100 (2535.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 7	LTE-FDD, 10169-CAF	2535.000	7.11	1.90	40.2

Hardware Setup

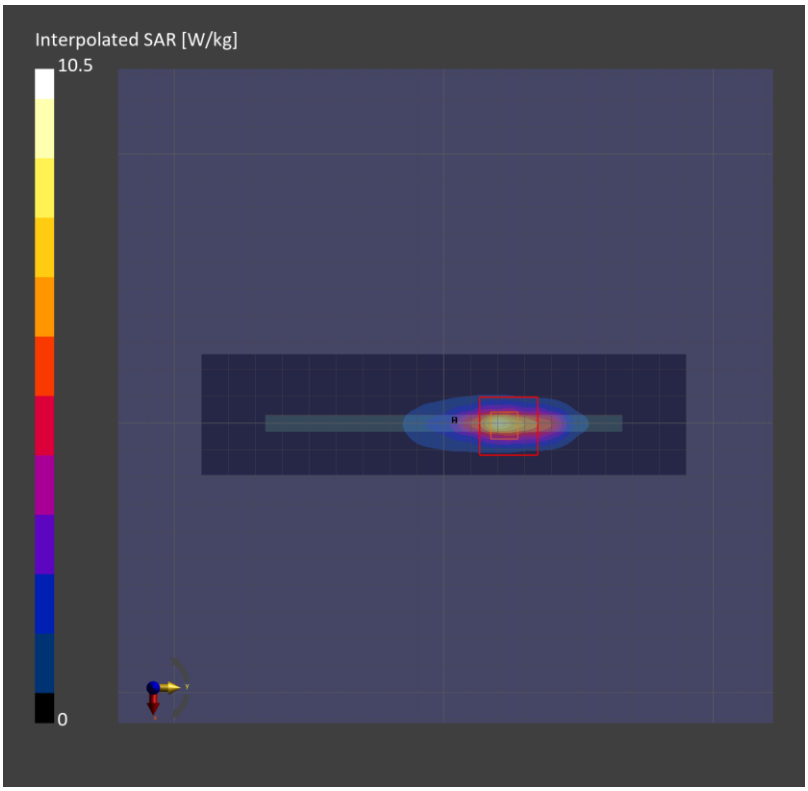
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.65	5.42
psSAR10g [W/Kg]	2.05	1.82
Power Drift [dB]		-0.03
M2/M1 [%]		59.8
Dist 3dB Peak [mm]		4.0



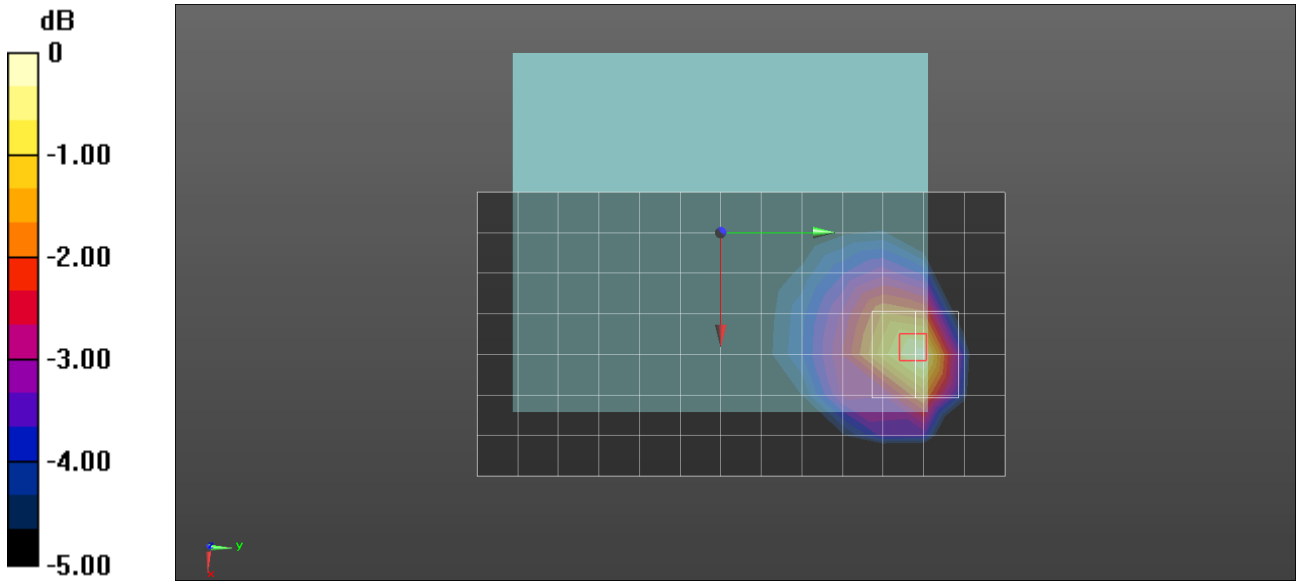
LTE Band 12

Frequency: 707.5 MHz; Communication System Channel Number: 23095; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.886 S/m; ε_r = 41.178; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 707.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/0 ch.23095/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.649 W/kg

Rear/QPSK RB 1/0 ch.23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.87 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.814 W/kg
SAR(1 g) = 0.426 W/kg
Smallest distance from peaks to all points 3 dB below = 15.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.9%
Maximum value of SAR (measured) = 0.657 W/kg



0 dB = 0.657 W/kg = −1.82 dBW/kg

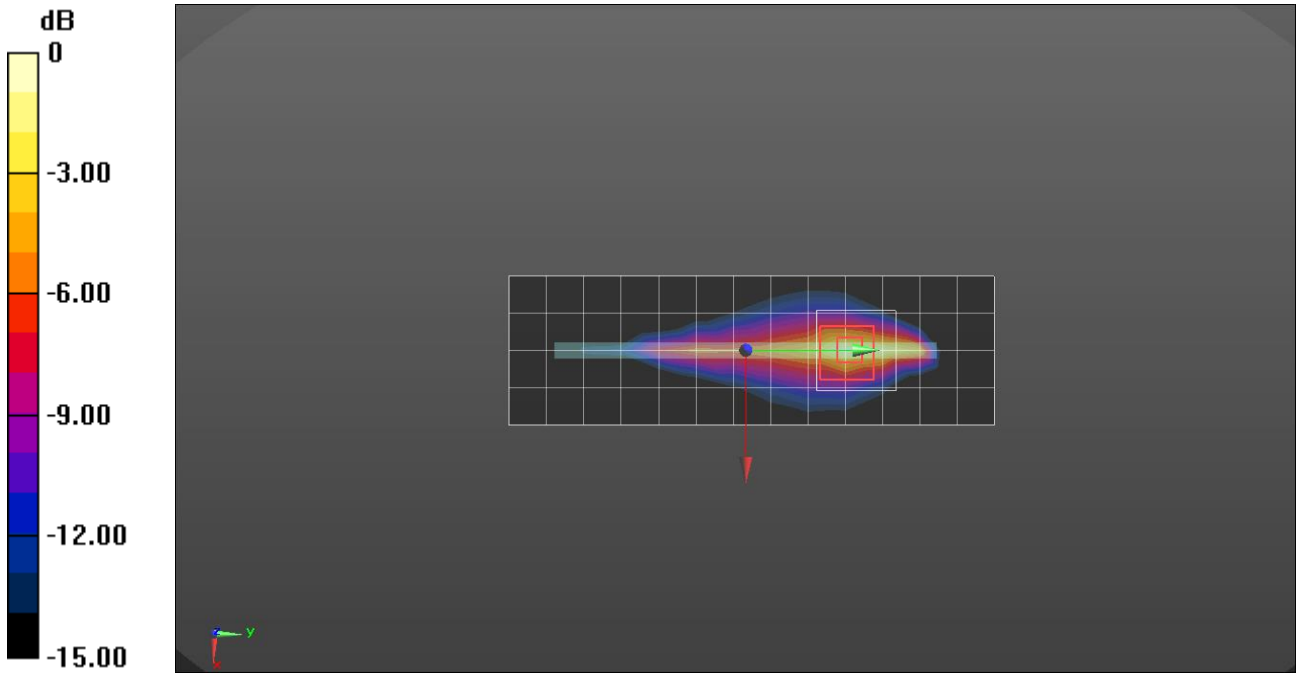
LTE Band 12

Frequency: 707.5 MHz; Communication System Channel Number: 23095; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.886 S/m; ε_r = 41.178; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 707.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 1/0 ch.23095/Area Scan (5x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.3 W/kg

Right/QPSK RB 1/0 ch.23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 79.63 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 3.84 W/kg; SAR(10 g) = 1.62 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 23.1%
Maximum value of SAR (measured) = 10.1 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-16

Measurement Report for SM-F956U, BACK, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23095 (707.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 12	LTE-FDD, 10175-CAH	707.500	9.75	0.877	41.8

Hardware Setup

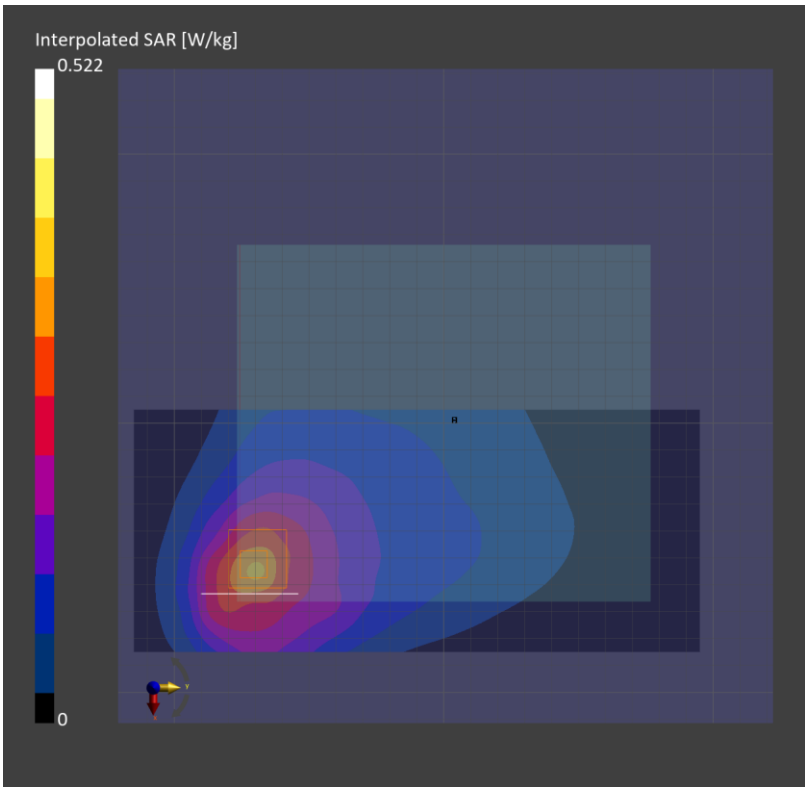
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.305	0.291
psSAR10g [W/Kg]	0.201	0.176
Power Drift [dB]		0.00
M2/M1 [%]		82.3
Dist 3dB Peak [mm]		14.7



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-16

Measurement Report for SM-F956U, EDGE RIGHT, Band 12, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23095 (707.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE RIGHT, 0.00	Band 12	LTE-FDD, 10175-CAH	707.500	9.75	0.877	41.8

Hardware Setup

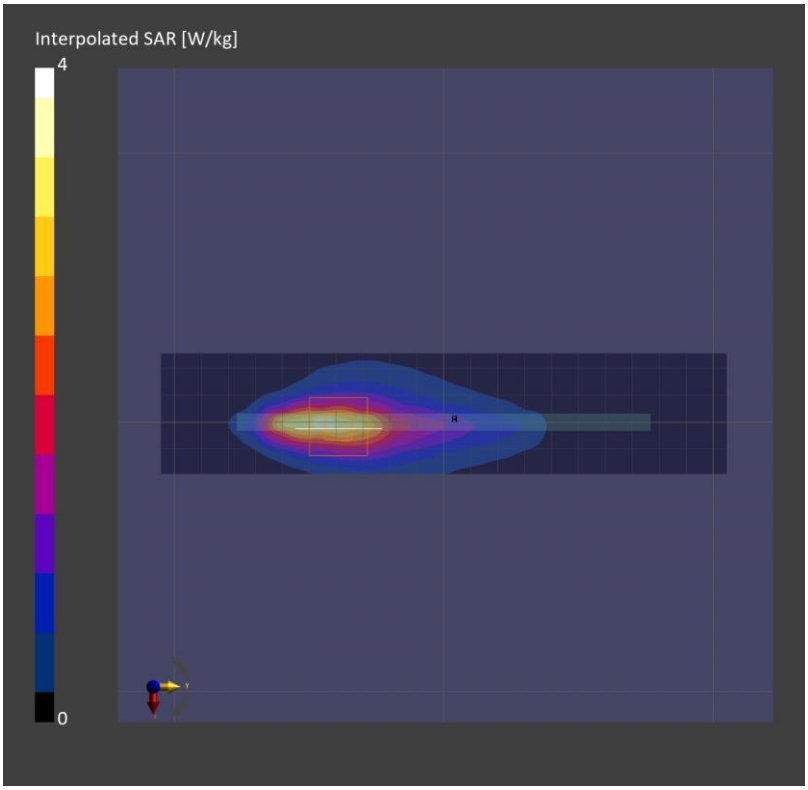
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	4.6 x 4.6 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.80	3.08
psSAR10g [W/Kg]	1.52	1.33
Power Drift [dB]		0.01
M2/M1 [%]		58.8
Dist 3dB Peak [mm]		4.7



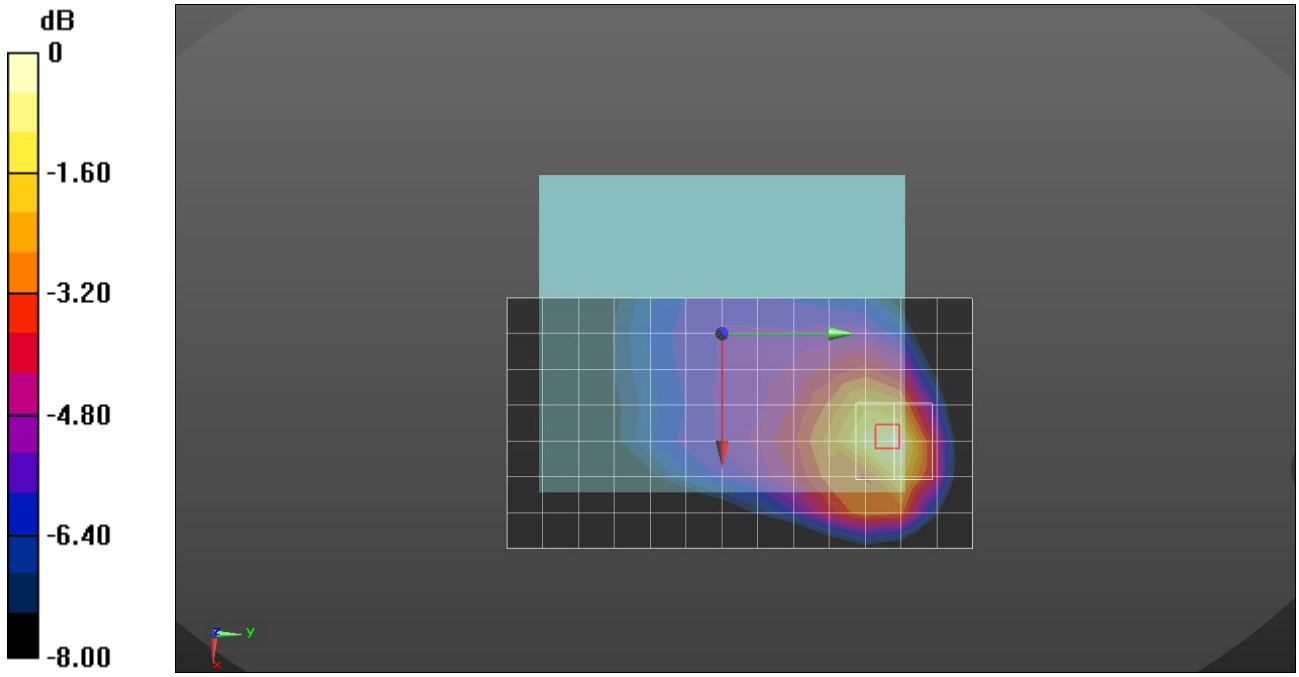
LTE Band 13

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.909 S/m; ε_r = 40.956; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 782 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/25 ch.23230/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.633 W/kg

Rear/QPSK RB 1/25 ch.23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.82 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.836 W/kg
SAR(1 g) = 0.440 W/kg
Smallest distance from peaks to all points 3 dB below = 15.8 mm
Ratio of SAR at M2 to SAR at M1 = 52.4%
Maximum value of SAR (measured) = 0.673 W/kg



0 dB = 0.673 W/kg = −1.72 dBW/kg

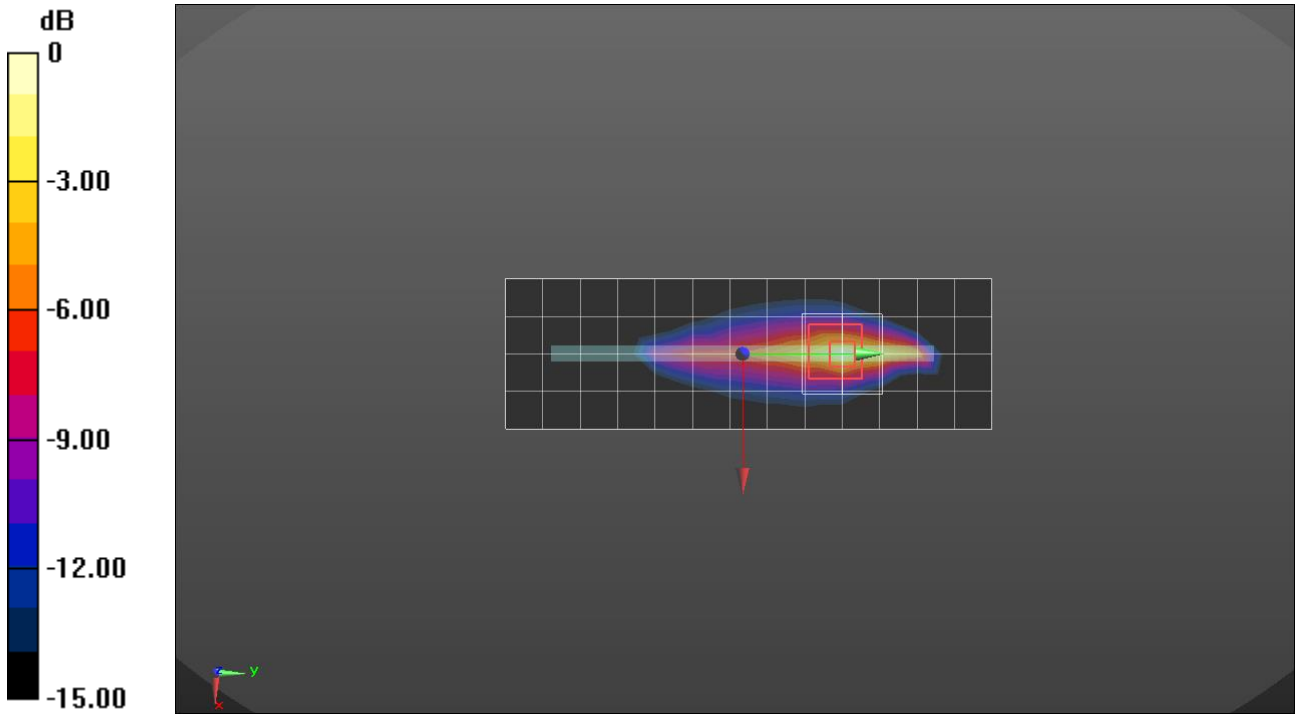
LTE Band 13

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.909 S/m; ε_r = 40.956; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 782 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 1/25 ch.23230/Area Scan (5x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.6 W/kg

Right/QPSK RB 1/25 ch.23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 81.03 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.49 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 21.4%
Maximum value of SAR (measured) = 10.6 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-16

Measurement Report for SM-F956U, BACK, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23230 (782.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 13	LTE-FDD, 10175-CAH	782.000	9.75	0.901	41.6

Hardware Setup

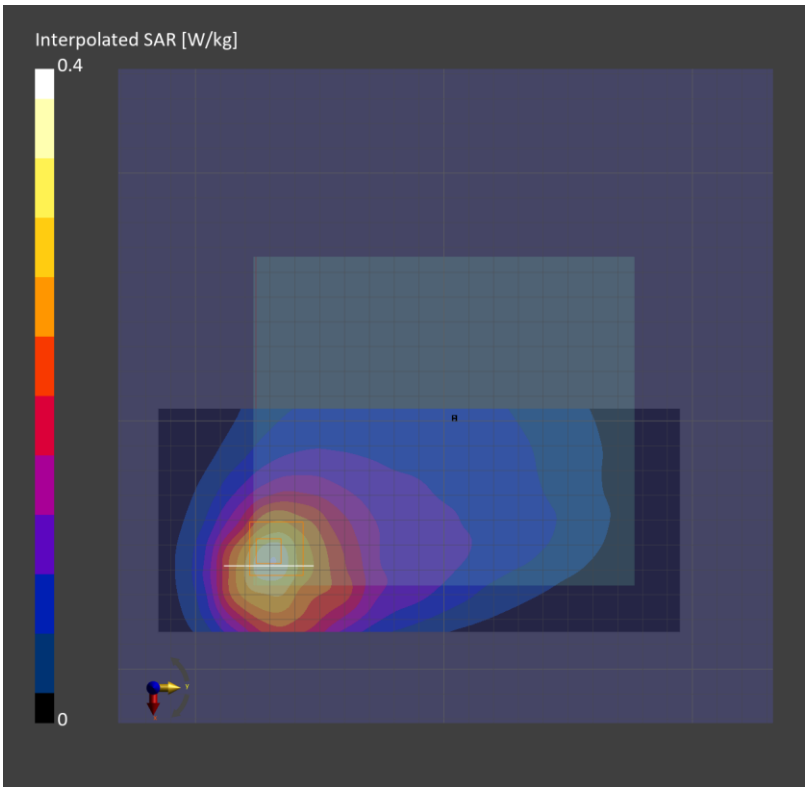
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.316	0.303
psSAR10g [W/Kg]	0.210	0.179
Power Drift [dB]		0.00
M2/M1 [%]		80.4
Dist 3dB Peak [mm]		15.3



UL Korea, Ltd. Suwon Laboratory SAR#9
Date/Time:2024-04-11

Measurement Report for SM-F956U, FRONT, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23230 (782.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 13	LTE-FDD, 10175-CAH	782.000	10.3	0.901	40.6

Hardware Setup

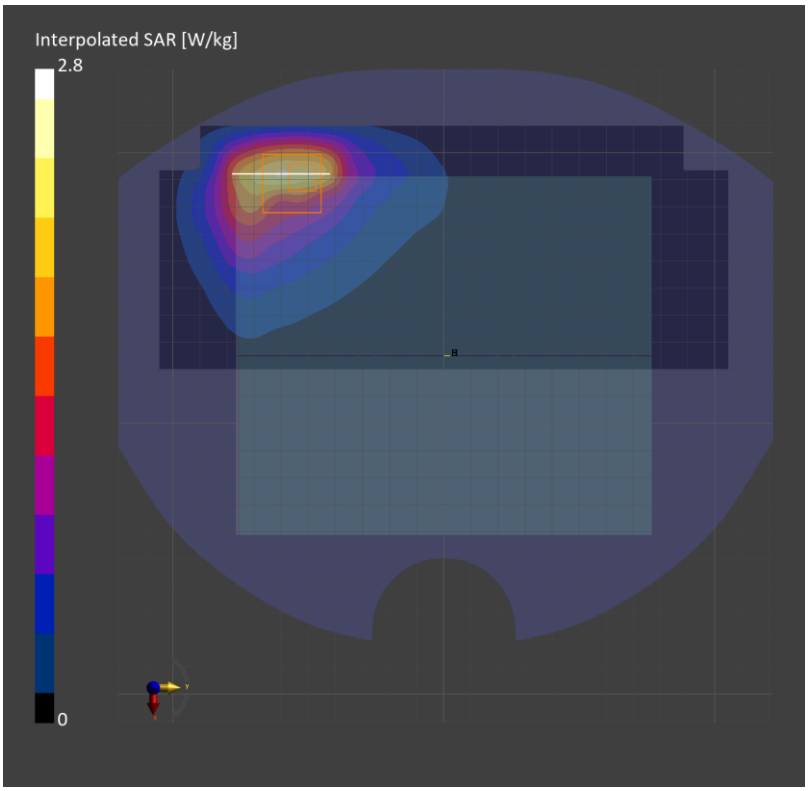
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000	EX3DV4 - SN7330, 2024-01-22	DAE4 Sn474, 2023-11-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.98	2.29
psSAR10g [W/Kg]	1.25	1.09
Power Drift [dB]		-0.01
M2/M1 [%]		56.8
Dist 3dB Peak [mm]		4.9



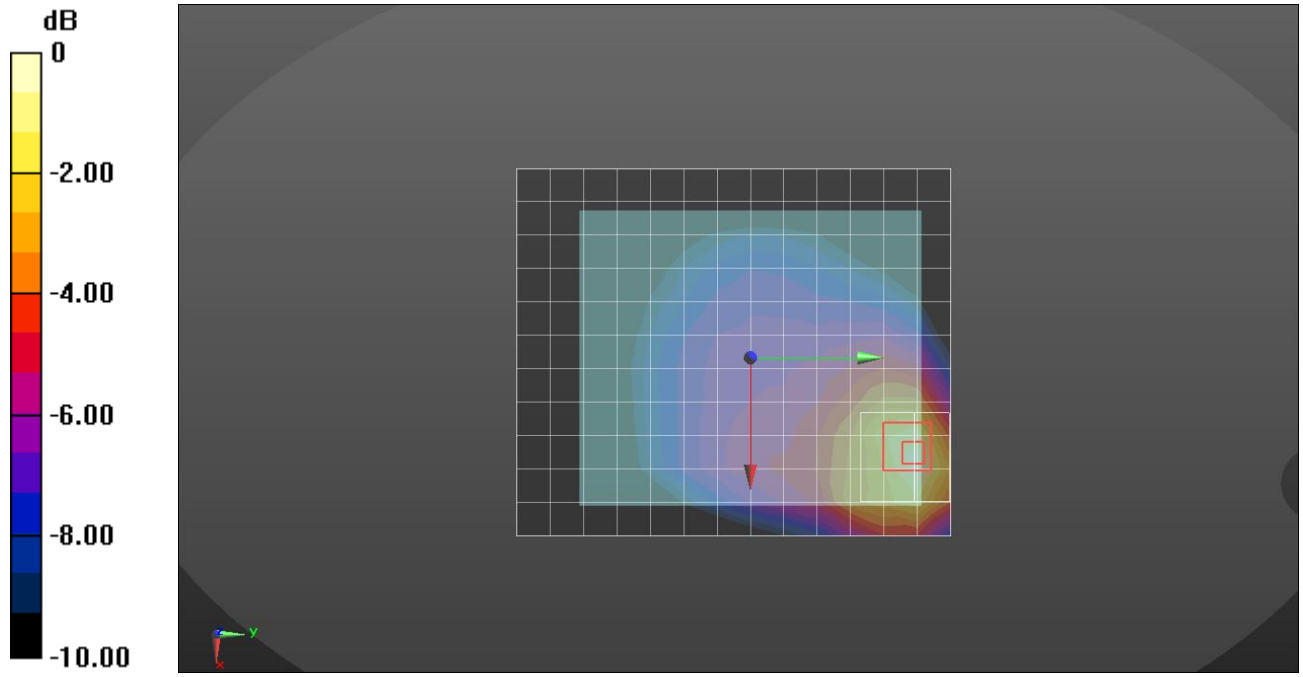
LTE Band 14

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.909 S/m; ε_r = 40.956; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 782 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/0 ch.23330/Area Scan (12x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.800 W/kg

Rear/QPSK RB 1/0 ch.23330/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.71 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.322 W/kg
Smallest distance from peaks to all points 3 dB below = 13.6 mm
Ratio of SAR at M2 to SAR at M1 = 54.6%
Maximum value of SAR (measured) = 0.826 W/kg



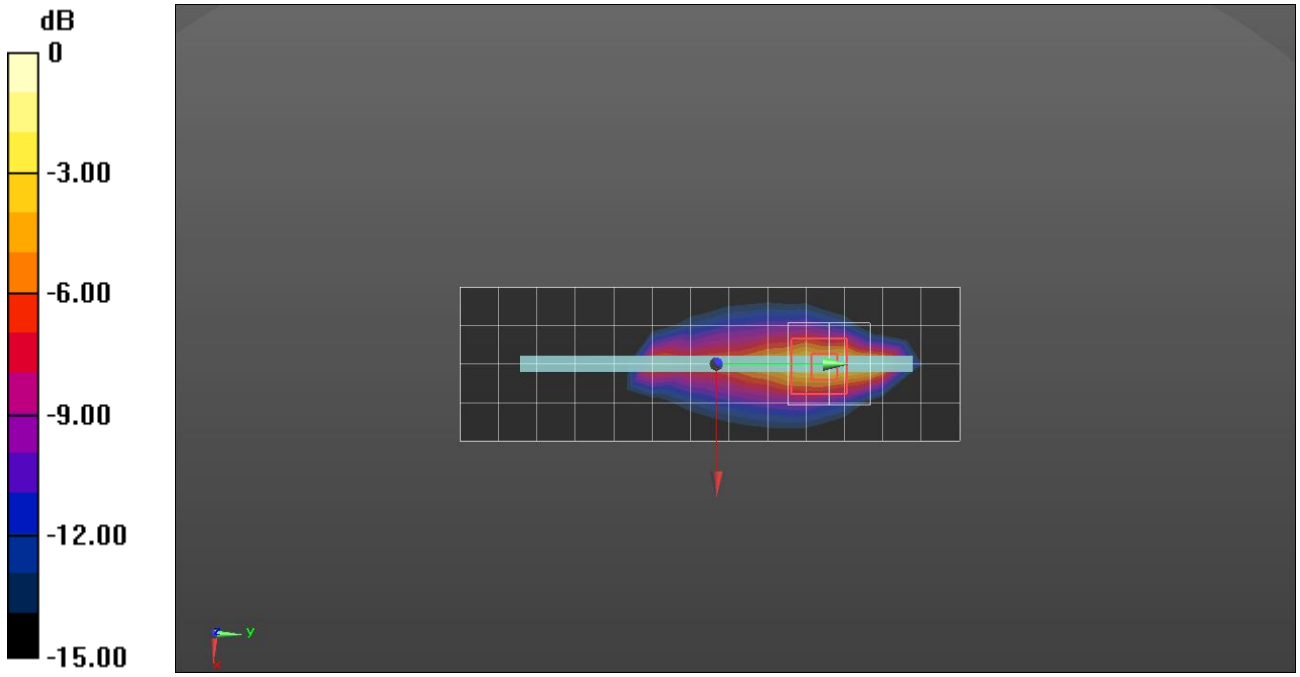
LTE Band 14

Frequency: 782 MHz; Communication System Channel Number: 23230; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 782 MHz; σ = 0.909 S/m; ε_r = 40.956; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 782 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 1/0 ch.23330/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 7.76 W/kg

Right/QPSK RB 1/0 ch.23330/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 67.95 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 13.1 W/kg
SAR(1 g) = 3.44 W/kg; SAR(10 g) = 1.45 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 24.6%
Maximum value of SAR (measured) = 8.70 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-16

Measurement Report for SM-F956U, BACK, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23330 (793.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 14	LTE-FDD, 10175-CAH	793.000	9.75	0.904	41.6

Hardware Setup

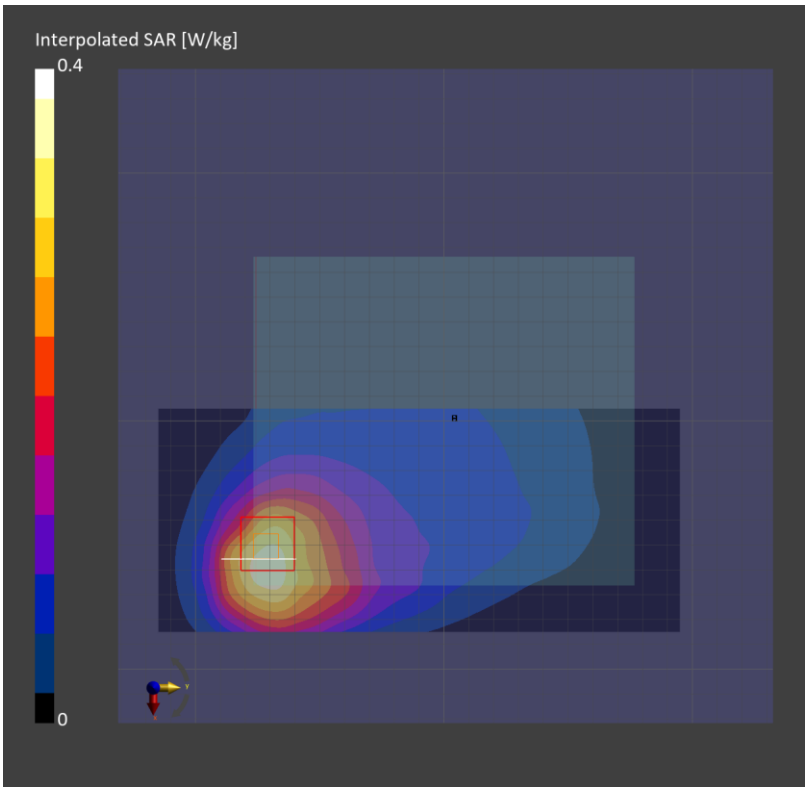
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.309	0.301
psSAR10g [W/Kg]	0.211	0.175
Power Drift [dB]		-0.02
M2/M1 [%]		84.3
Dist 3dB Peak [mm]		14.5



UL Korea, Ltd. Suwon Laboratory SAR#9
Date/Time:2024-04-11

Measurement Report for SM-F956U, FRONT, Band 14, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 23330 (793.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 14	LTE-FDD, 10175-CAH	793.000	10.3	0.905	40.6

Hardware Setup

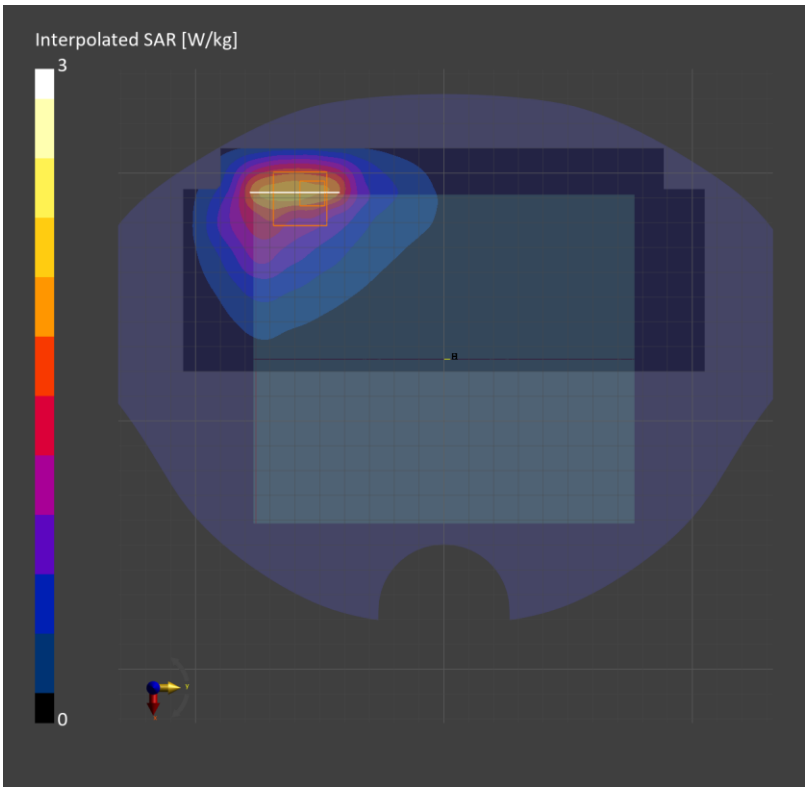
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000	EX3DV4 - SN7330, 2024-01-22	DAE4 Sn474, 2023-11-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.85	1.98
psSAR10g [W/Kg]	1.17	0.972
Power Drift [dB]		-0.03
M2/M1 [%]		57.3
Dist 3dB Peak [mm]		4.9



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-13

Measurement Report for SM-F956U, EDGE BOTTOM, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 26365 (1882.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band 25	LTE-FDD, 10169-CAF	1882.500	8.07	1.44	38.6

Hardware Setup

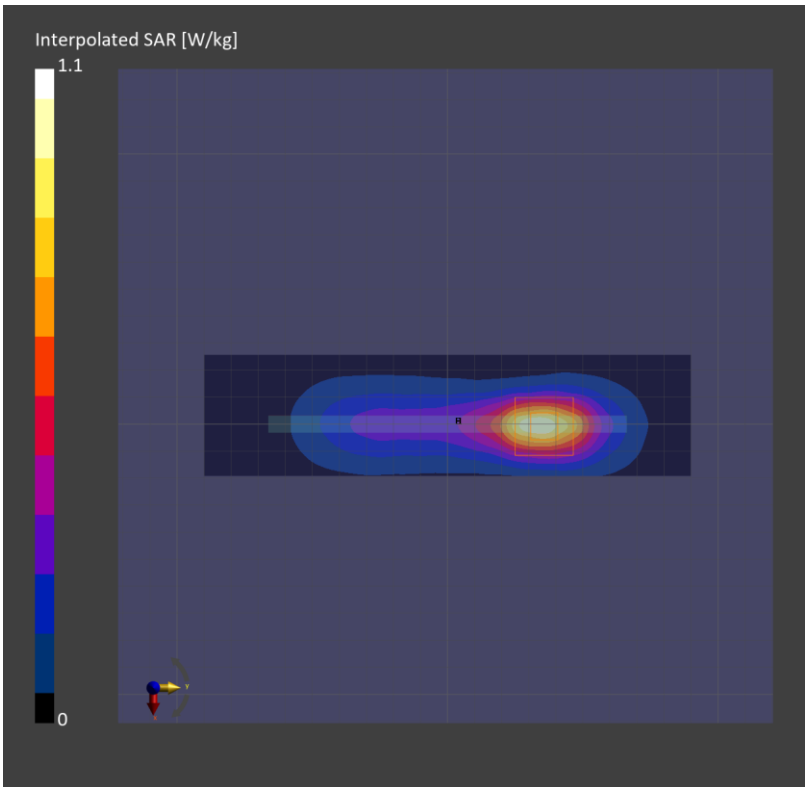
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.782	0.807
psSAR10g [W/Kg]	0.395	0.403
Power Drift [dB]		-0.01
M2/M1 [%]		82.0
Dist 3dB Peak [mm]		9.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-13

Measurement Report for SM-F956U, EDGE BOTTOM, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 26365 (1882.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band 25	LTE-FDD, 10169-CAF	1882.500	8.07	1.44	38.6

Hardware Setup

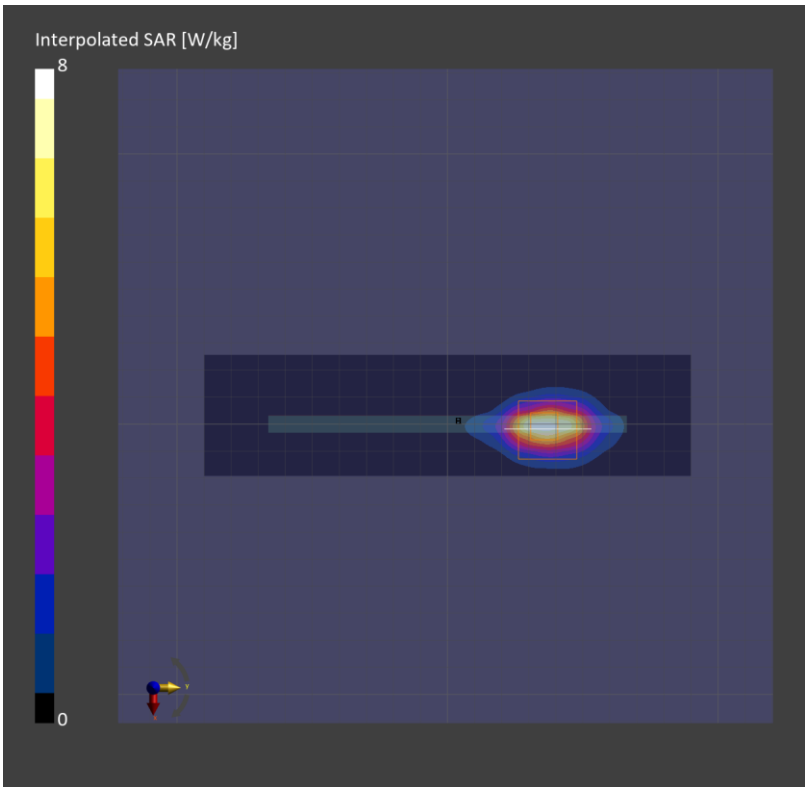
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	4.6 x 4.6 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.92	5.98
psSAR10g [W/Kg]	2.57	2.45
Power Drift [dB]		0.00
M2/M1 [%]		70.4
Dist 3dB Peak [mm]		5.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-15

Measurement Report for SM-F956U, EDGE TOP, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 26140 (1860.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band 25	LTE-FDD, 10169-CAF	1860.000	8.07	1.43	38.6

Hardware Setup

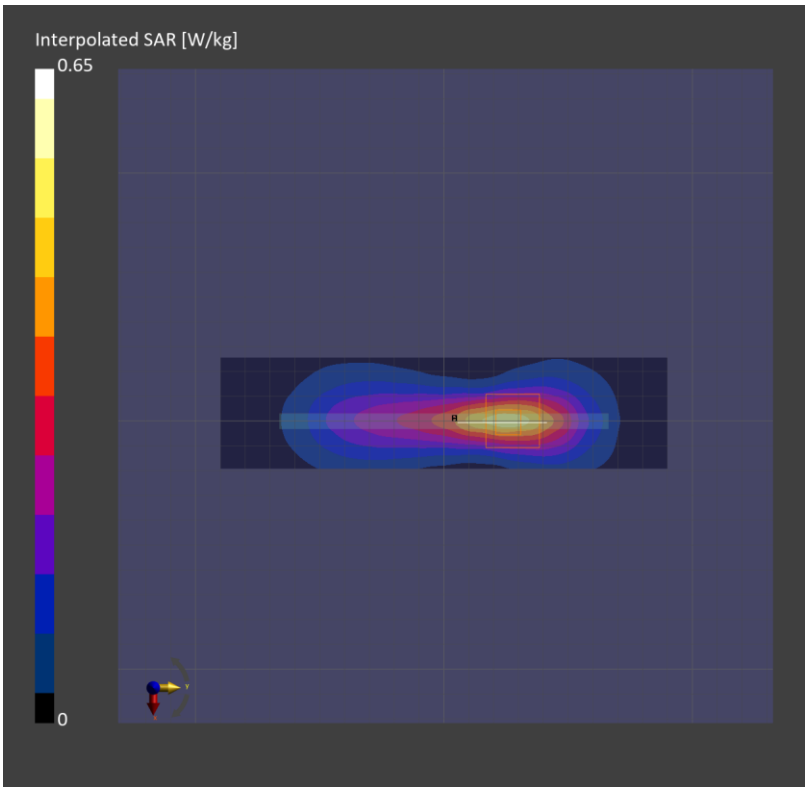
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.414	0.422
psSAR10g [W/Kg]	0.217	0.219
Power Drift [dB]		0.02
M2/M1 [%]		79.1
Dist 3dB Peak [mm]		8.4



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-15

Measurement Report for SM-F956U, EDGE TOP, Band 25, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 26140 (1860.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 25	LTE-FDD, 10297-AAE	1860.000	8.07	1.43	38.6

Hardware Setup

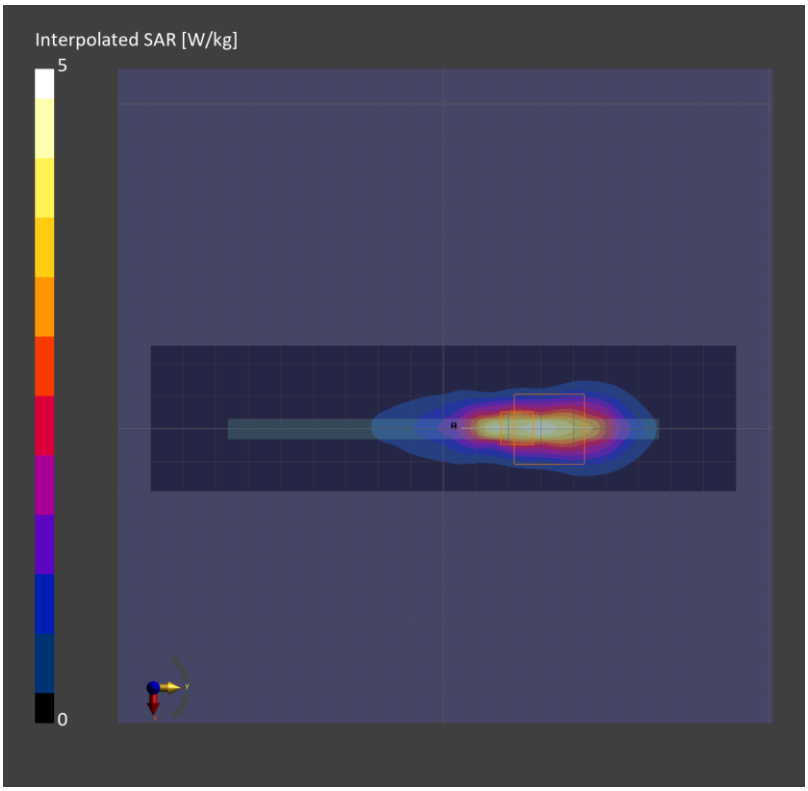
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	2.9 x 2.9 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.30	3.57
psSAR10g [W/Kg]	1.44	1.37
Power Drift [dB]		0.01
M2/M1 [%]		65.4
Dist 3dB Peak [mm]		4.5



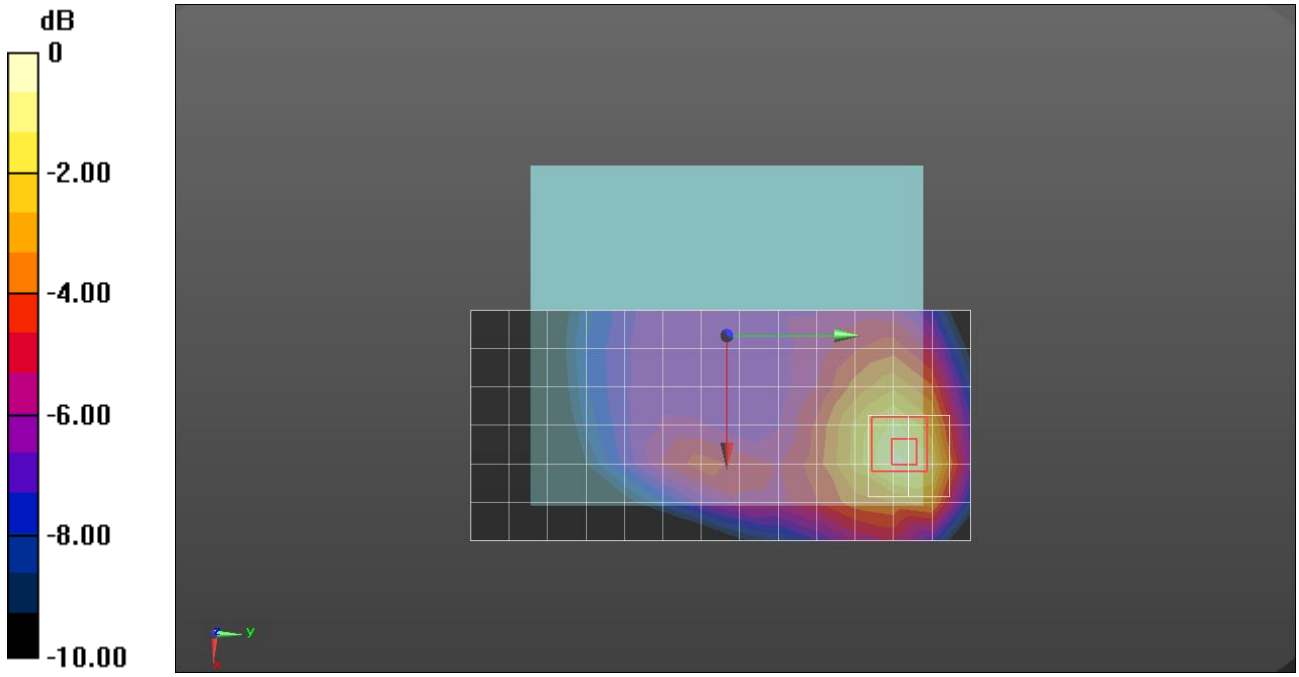
LTE Band 26

Frequency: 831.5 MHz; Communication System Channel Number: 26865; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.925 S/m; ε_r = 40.84; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 831.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/0 ch.26865/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.584 W/kg

Rear/QPSK RB 1/0 ch.26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.97 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.784 W/kg
SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.257 W/kg
Smallest distance from peaks to all points 3 dB below = 15.8 mm
Ratio of SAR at M2 to SAR at M1 = 54%
Maximum value of SAR (measured) = 0.641 W/kg



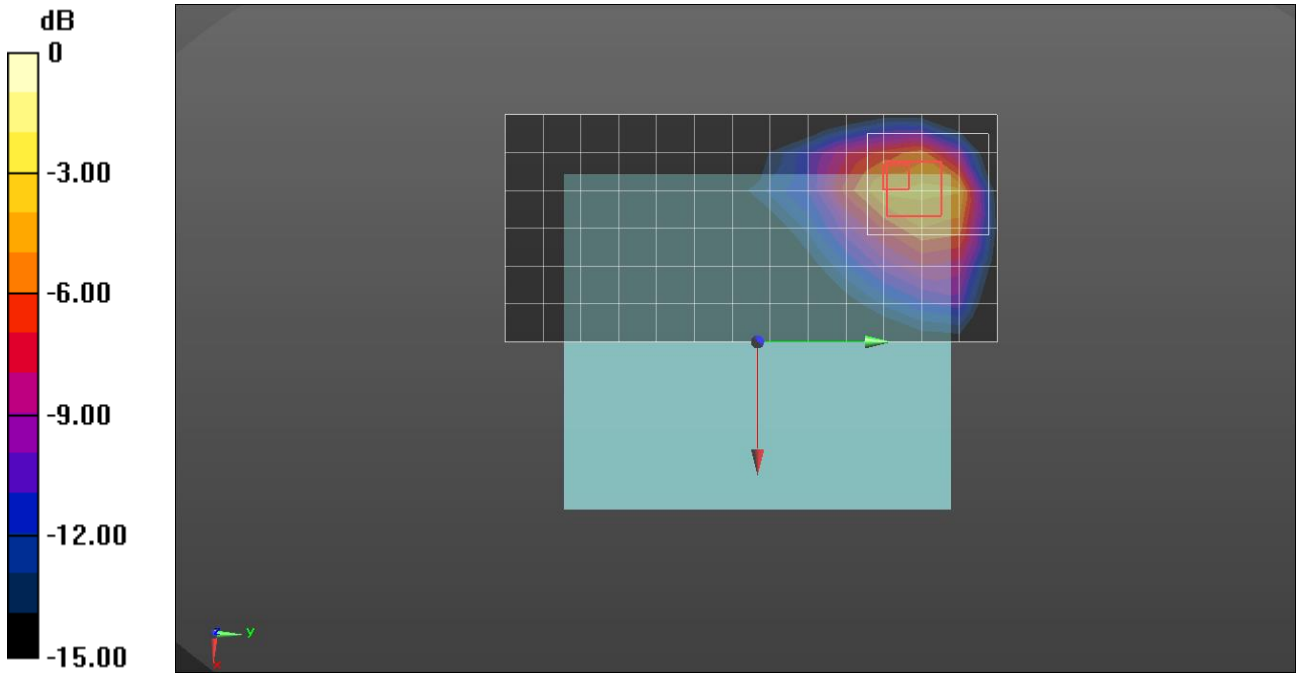
LTE Band 26

Frequency: 831.5 MHz; Communication System Channel Number: 26865; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.925 S/m; ε_r = 40.84; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 831.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/QPSK RB 1/0 ch.26865/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.33 W/kg

Front/QPSK RB 1/0 ch.26865/Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.52 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 3.1 W/kg; SAR(10 g) = 1.57 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 22%
Maximum value of SAR (measured) = 7.65 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-19

Measurement Report for SM-F956U, BACK, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK), Channel 26865 (831.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 26	LTE-FDD, 10181-CAF	831.500	8.24	0.905	41.8

Hardware Setup

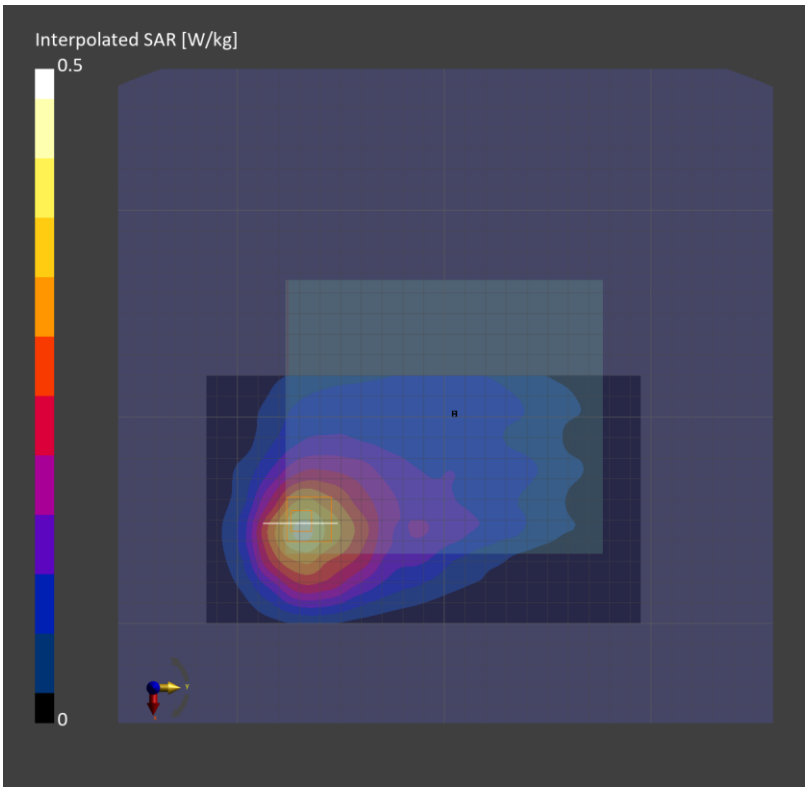
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.375	0.365
psSAR10g [W/Kg]	0.250	0.222
Power Drift [dB]		-0.02
M2/M1 [%]		78.7
Dist 3dB Peak [mm]		17.0



UL Korea, Ltd. Suwon Laboratory SAR#9
Date/Time:2024-04-11

Measurement Report for Device, FRONT, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK), Channel 26865 (831.5 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 26	LTE-FDD, 10181-CAF	831.5	10.11	0.917	40.5

Hardware Setup

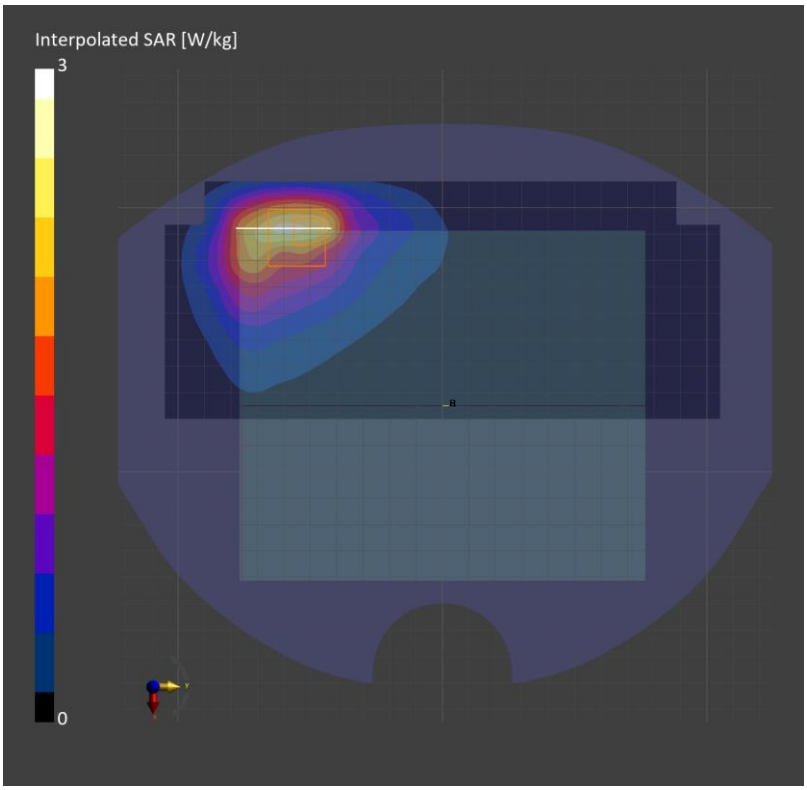
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000	EX3DV4 - SN7330, 2024-01-22	DAE4 Sn474, 2023-11-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.18	2.62
psSAR10g [W/Kg]	1.38	1.25
Power Drift [dB]		0.16
M2/M1 [%]		53.9
Dist 3dB Peak [mm]		4.9



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-17

Measurement Report for SM-F956U, EDGE BOTTOM, Band 30, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 27710 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band 30	LTE-FDD, 10175-CAH	2310.000	7.36	1.71	39.5

Hardware Setup

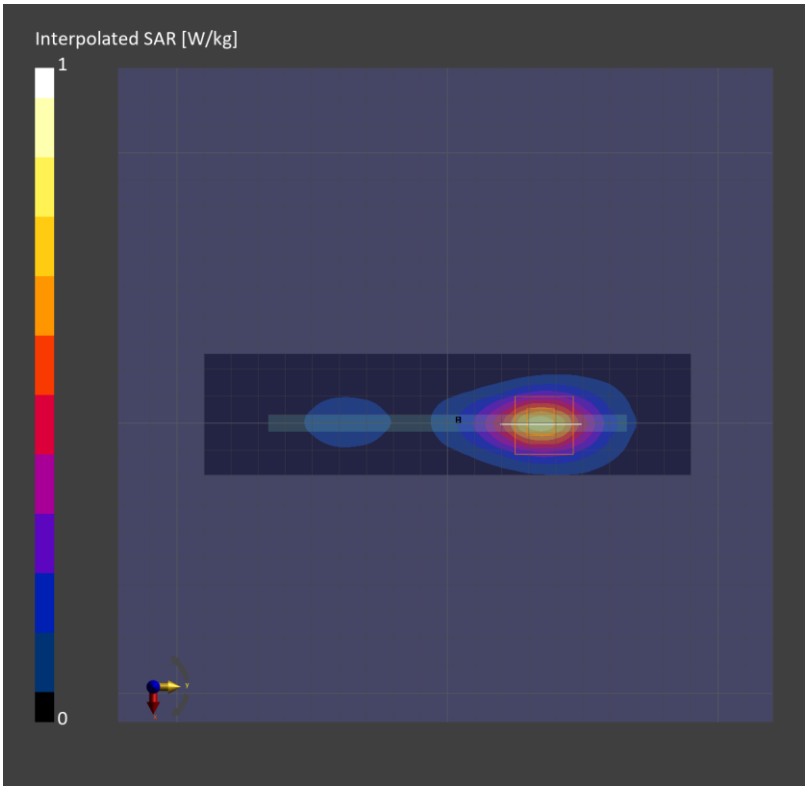
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.613	0.653
psSAR10g [W/Kg]	0.290	0.311
Power Drift [dB]		-0.02
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		9.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-17

Measurement Report for SM-F956U, EDGE BOTTOM, Band 30, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 27710 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band 30	LTE-FDD, 10175-CAH	2310.000	7.36	1.71	39.5

Hardware Setup

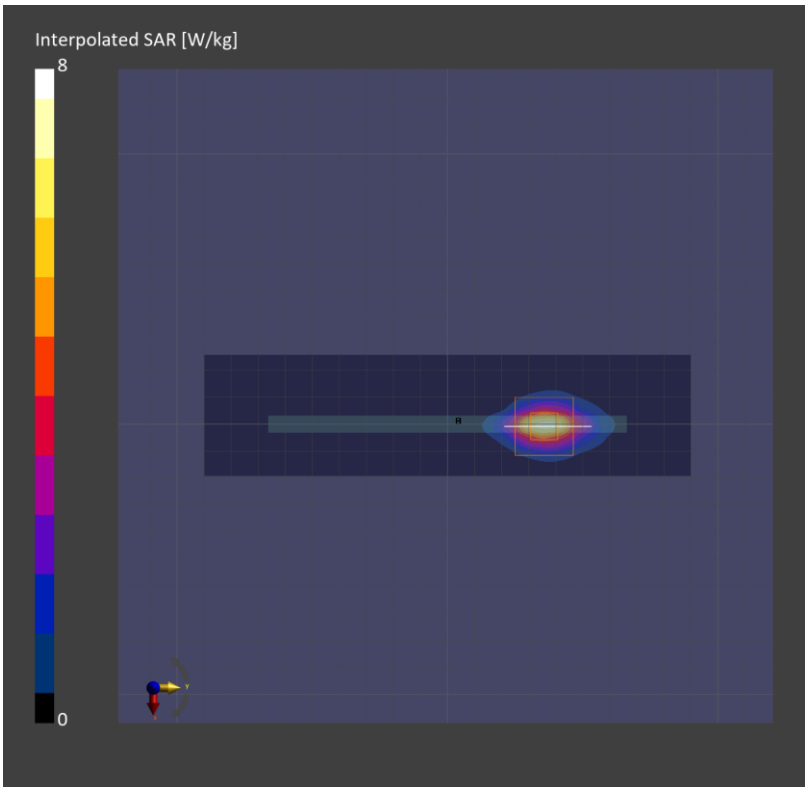
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	4.6 x 4.6 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	4.92	5.08
psSAR10g [W/Kg]	1.87	1.86
Power Drift [dB]		-0.13
M2/M1 [%]		71.2
Dist 3dB Peak [mm]		5.6



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-17

Measurement Report for SM-F956U, EDGE TOP, Band 30, LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK), Channel 27710 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band 30	LTE-FDD, 10108-CAH	2310.000	7.36	1.71	39.5

Hardware Setup

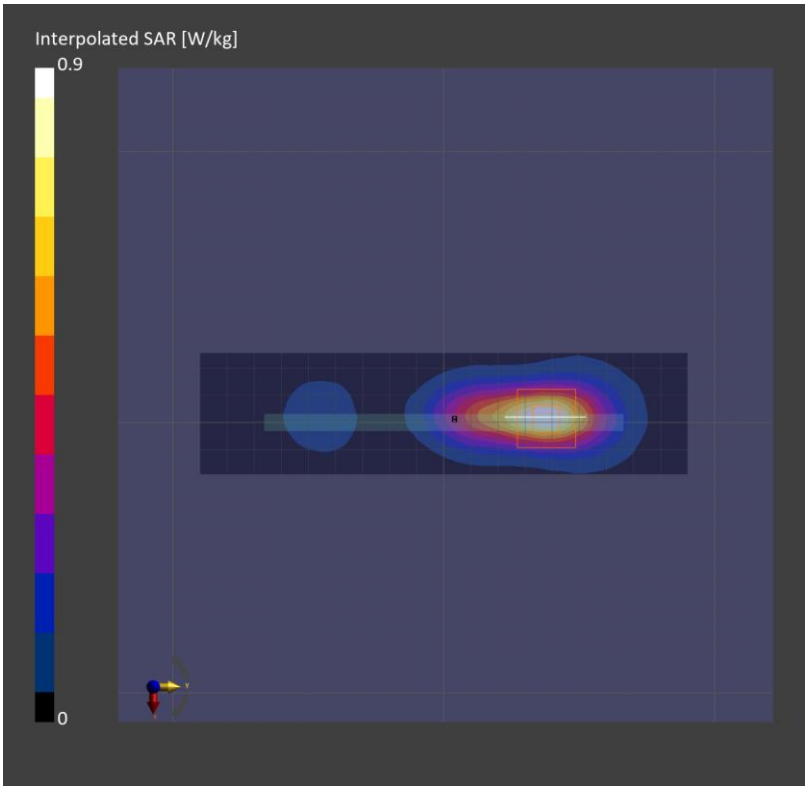
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.703	0.756
psSAR10g [W/Kg]	0.335	0.361
Power Drift [dB]		0.05
M2/M1 [%]		78.8
Dist 3dB Peak [mm]		9.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-17

Measurement Report for SM-F956U, FRONT, Band 30, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK), Channel 27710 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band 30	LTE-FDD, 10175-CAH	2310.000	7.36	1.71	39.5

Hardware Setup

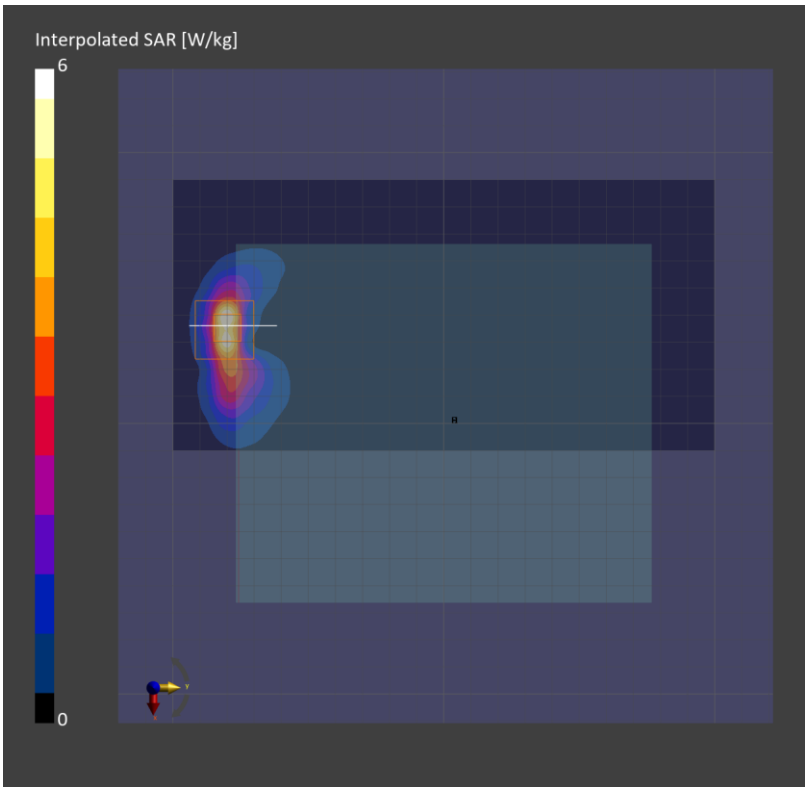
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	4.6 x 4.6 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.79	4.25
psSAR10g [W/Kg]	1.48	1.59
Power Drift [dB]		0.10
M2/M1 [%]		72.7
Dist 3dB Peak [mm]		4.6



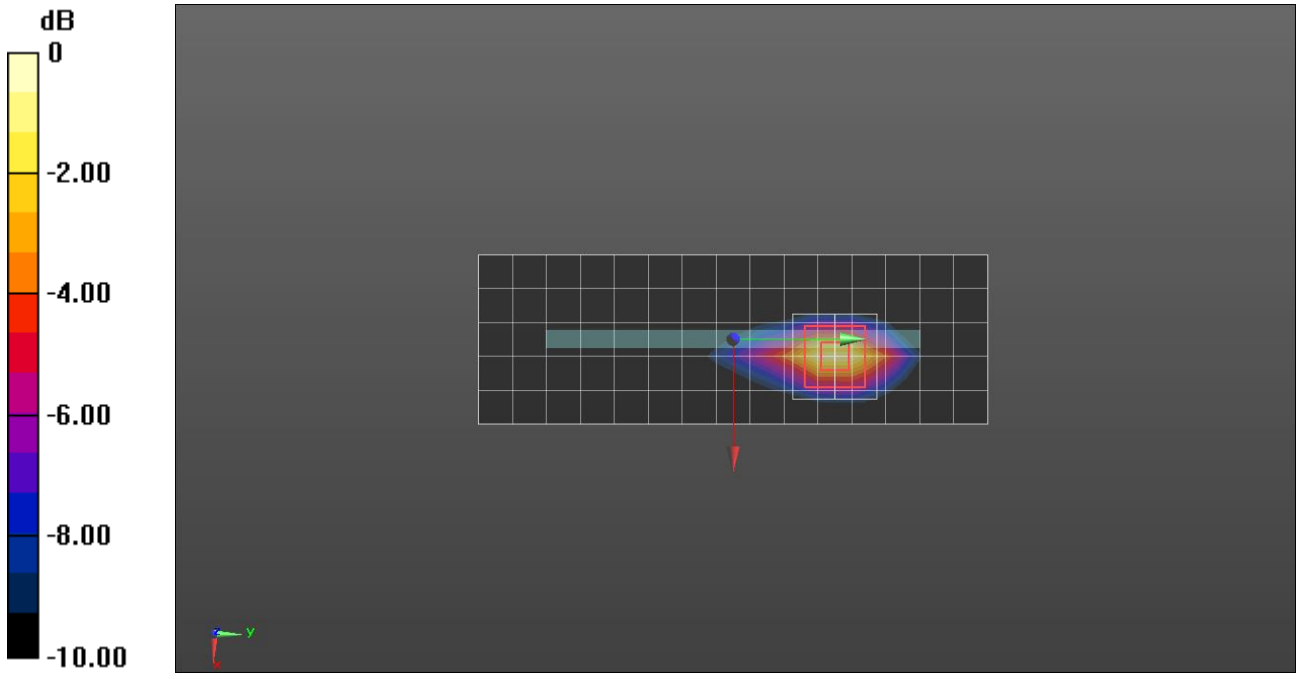
LTE Band 41

Frequency: 2680 MHz; Communication System Channel Number: 41490; Duty Cycle: 1:1.59956
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2680 MHz; σ = 1.982 S/m; ε_r = 38.736; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2680 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/50 ch.41490/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.41 W/kg

Bottom/QPSK RB 50/50 ch.41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.02 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.07 W/kg
SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.360 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 42.1%
Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

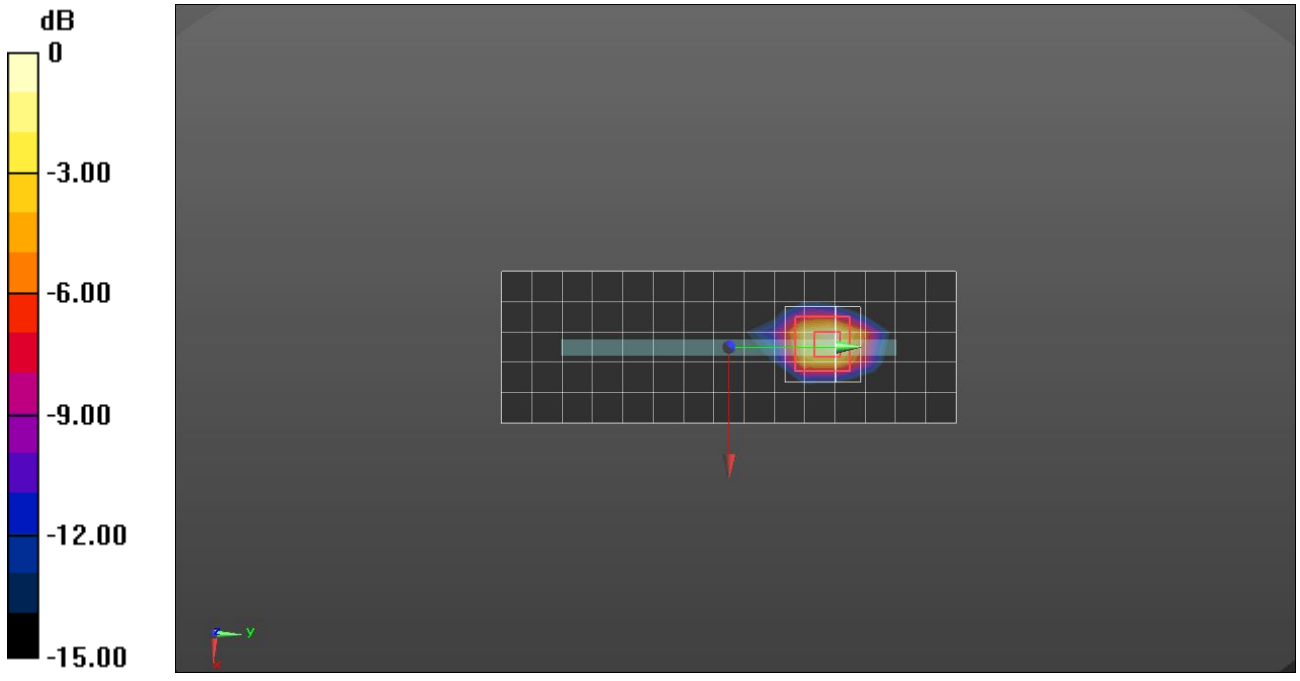
LTE Band 41

Frequency: 2680 MHz; Communication System Channel Number: 41490; Duty Cycle: 1:1.59956
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2680 MHz; σ = 1.982 S/m; ε_r = 38.736; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2680 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 50/50 ch.41490/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.90 W/kg

Bottom/QPSK RB 50/50 ch.41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.88 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 19.9 W/kg
SAR(1 g) = 5.06 W/kg; SAR(10 g) = 1.71 W/kg
Smallest distance from peaks to all points 3 dB below = 4.5 mm
Ratio of SAR at M2 to SAR at M1 = 24.6%
Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 5.90 W/kg = 7.71 dBW/kg

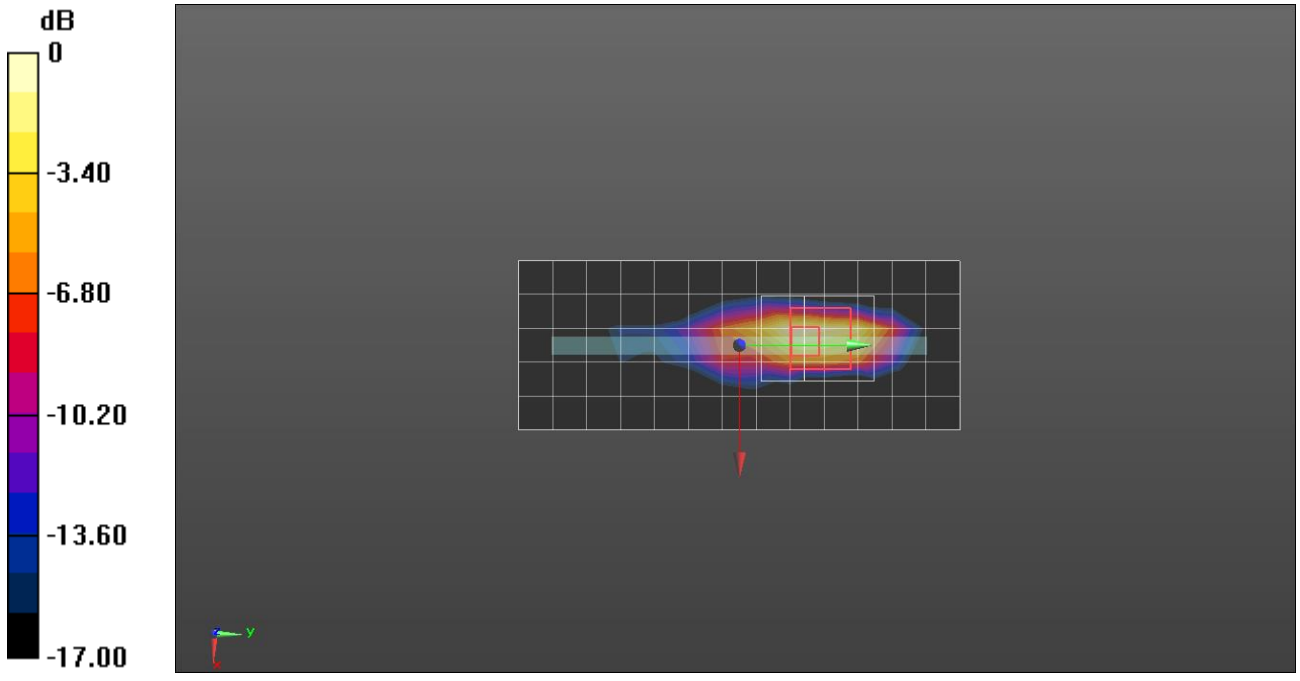
LTE Band 41

Frequency: 2549.5 MHz; Communication System Channel Number: 40185; Duty Cycle: 1:1.59956
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2550 MHz; σ = 1.868 S/m; ε_r = 38.996; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2549.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 50/0 ch.40185/Area Scan (6x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.80 W/kg

Top/QPSK RB 50/0 ch.40185/Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 72.45 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 25.3 W/kg
SAR(1 g) = 5.57 W/kg; SAR(10 g) = 1.89 W/kg
Smallest distance from peaks to all points 3 dB below = 4.5 mm
Ratio of SAR at M2 to SAR at M1 = 21.9%
Maximum value of SAR (measured) = 15.2 W/kg



0 dB = 6.80 W/kg = 8.33 dBW/kg

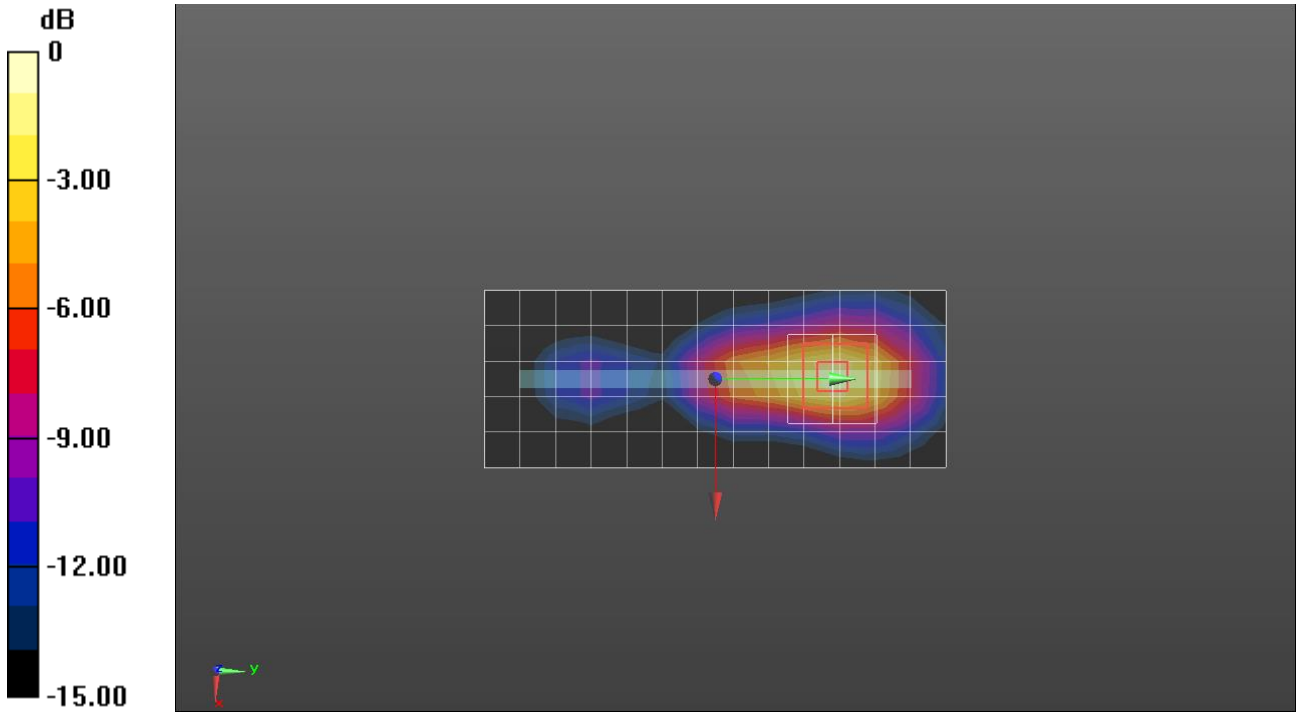
LTE Band 41

Frequency: 2680 MHz; Communication System Channel Number: 41490; Duty Cycle: 1:1.59956
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2680 MHz; σ = 1.965 S/m; ε_r = 37.661; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2680 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 1/0 ch.41490/Area Scan (6x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.803 W/kg

Top/QPSK RB 1/0 ch.41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.94 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.278 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 45.3%
Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg = 0.33 dBW/kg

UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-16

Measurement Report for SM-F956U, EDGE TOP, Band 48, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9),Channel 56640 (3690.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band 48	LTE-TDD, 10435-AAG	3690.000	5.85	3.07	37.5

Hardware Setup

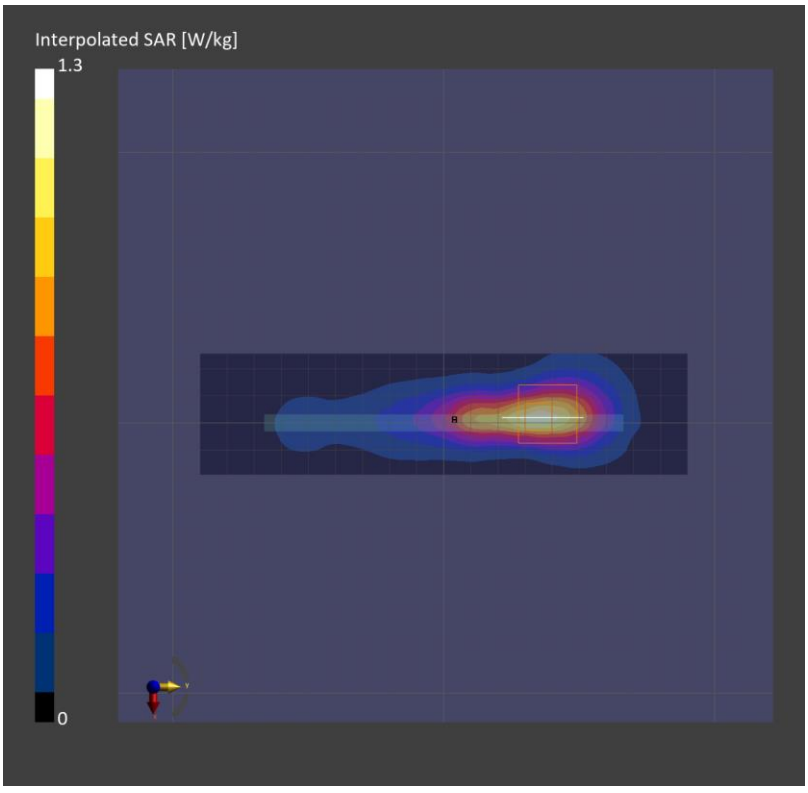
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7645, 2023-09-20	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.834	0.851
psSAR10g [W/Kg]	0.349	0.369
Power Drift [dB]		-0.01
M2/M1 [%]		78.3
Dist 3dB Peak [mm]		8.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-16

Measurement Report for SM-F956U, EDGE TOP, Band 48, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9), Channel 56207 (3646.700 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 48	LTE-TDD, 10435-AAG	3646.700	5.85	3.04	37.5

Hardware Setup

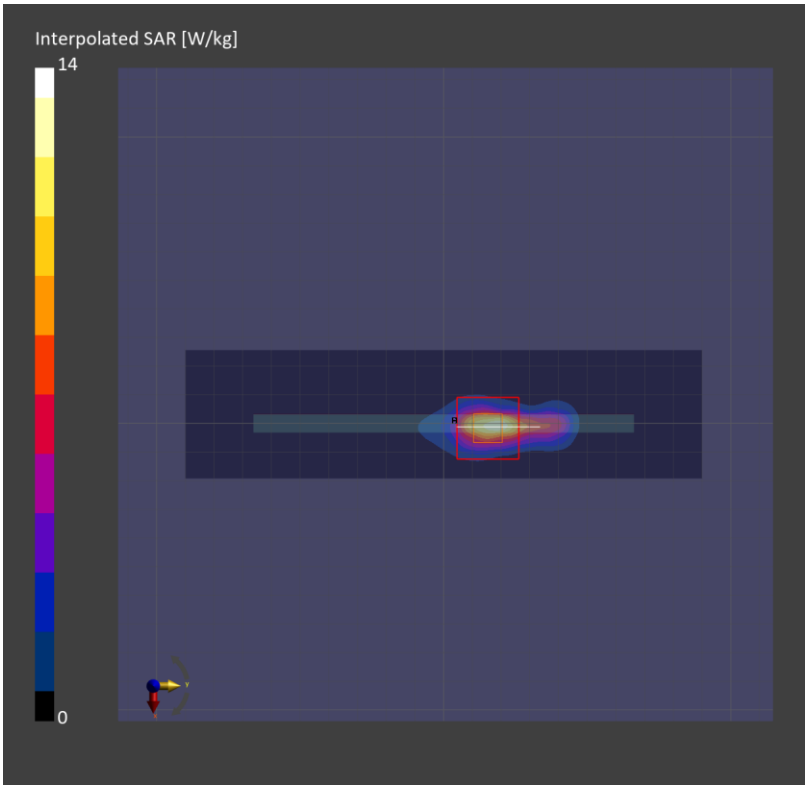
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7645, 2023-09-20	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	2.9 x 2.9 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	8.05	8.90
psSAR10g [W/Kg]	2.52	2.46
Power Drift [dB]		-0.06
M2/M1 [%]		67.2
Dist 3dB Peak [mm]		4.2



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-14

Measurement Report for SM-F956U, EDGE BOTTOM, Band 66, LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK), Channel 132572 (1770.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band 66	LTE-FDD, 10100-CAF	1770.000	8.61	1.38	39.2

Hardware Setup

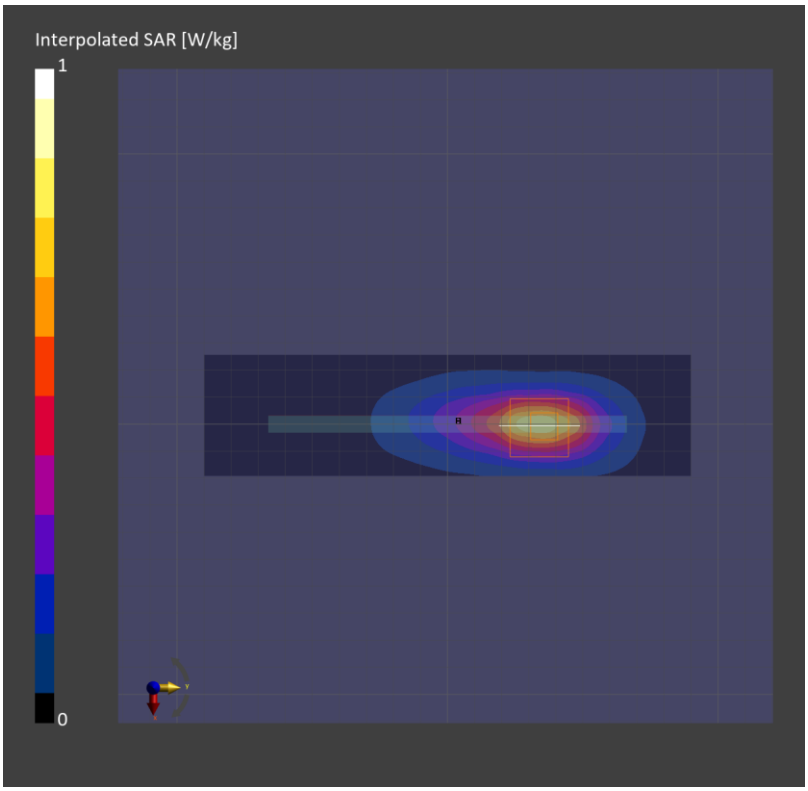
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.650	0.675
psSAR10g [W/Kg]	0.341	0.349
Power Drift [dB]		-0.00
M2/M1 [%]		81.4
Dist 3dB Peak [mm]		9.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-14

Measurement Report for SM-F956U, EDGE BOTTOM, Band 66, LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK), Channel 132572 (1770.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band 66	LTE-FDD, 10100-CAF	1770.000	8.61	1.38	39.2

Hardware Setup

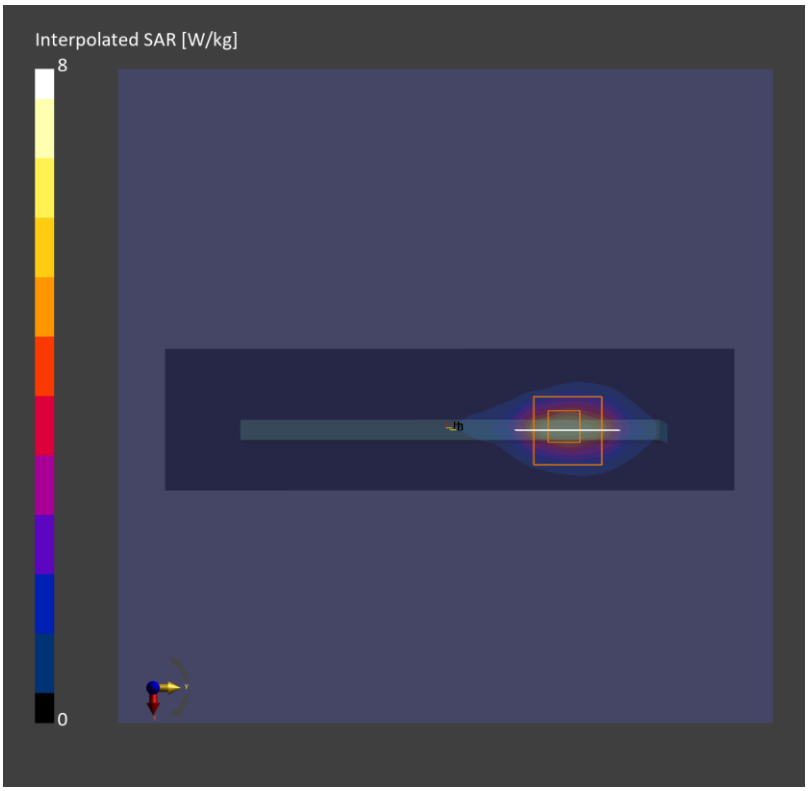
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	4.7 x 4.7 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.16	5.05
psSAR10g [W/Kg]	2.26	2.11
Power Drift [dB]		0.01
M2/M1 [%]		70.8
Dist 3dB Peak [mm]		5.5



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-15

Measurement Report for SM-F956U, EDGE TOP, Band 66, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK, Channel 132572 (1770.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band 66	LTE-FDD, 10297-AAE	1770.000	8.61	1.38	38.8

Hardware Setup

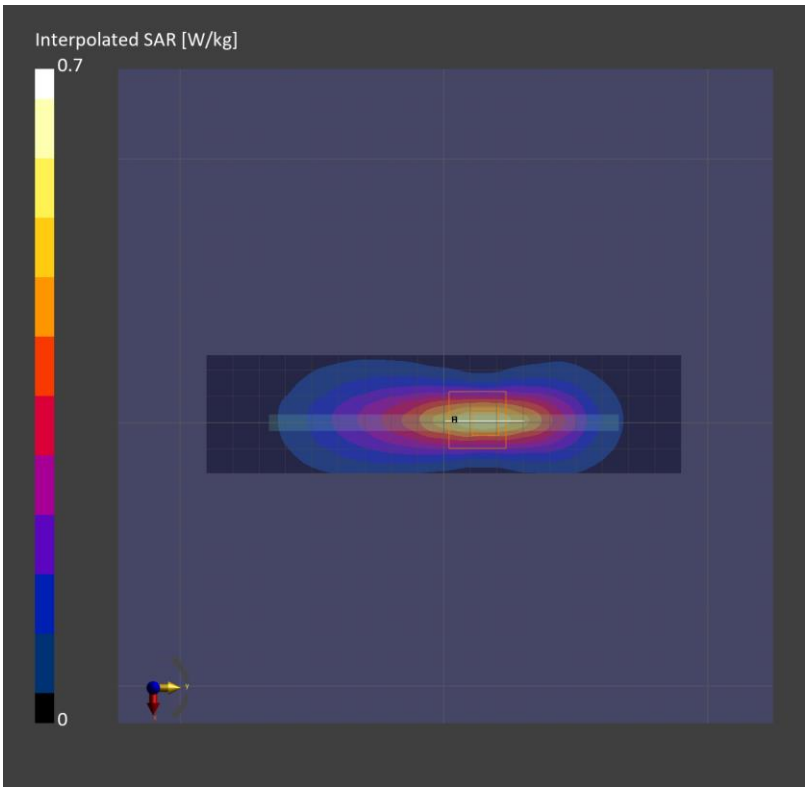
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.459	0.466
psSAR10g [W/Kg]	0.240	0.239
Power Drift [dB]		0.01
M2/M1 [%]		77.9
Dist 3dB Peak [mm]		9.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-15

Measurement Report for SM-F956U, EDGE TOP, Band 66, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 132572 (1770.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band 66	LTE-FDD, 10297-AAE	1770.000	8.61	1.38	38.8

Hardware Setup

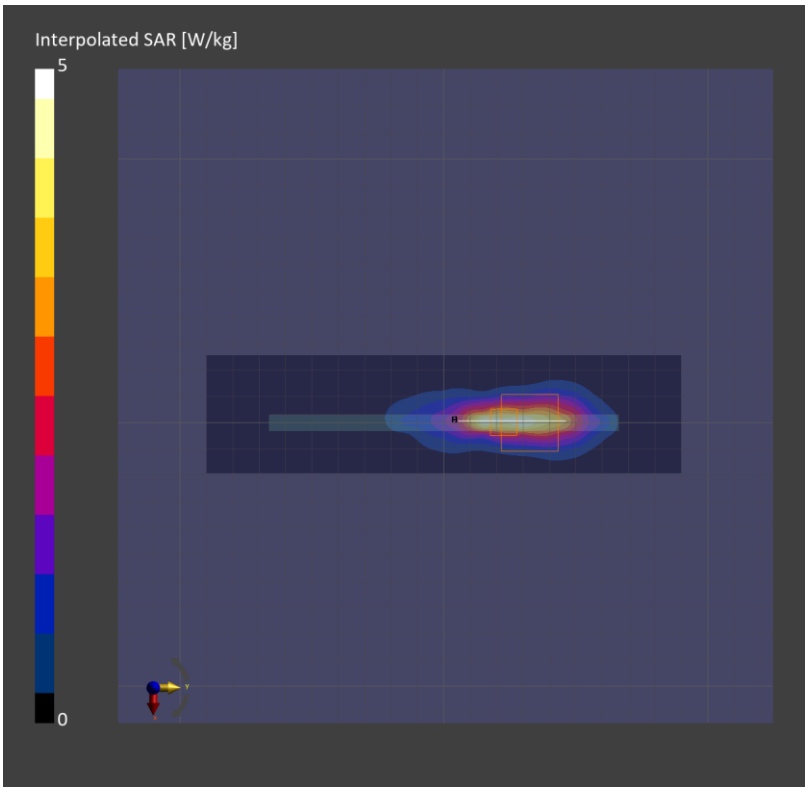
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.35	3.58
psSAR10g [W/Kg]	1.50	1.42
Power Drift [dB]		0.02
M2/M1 [%]		62.4
Dist 3dB Peak [mm]		4.8



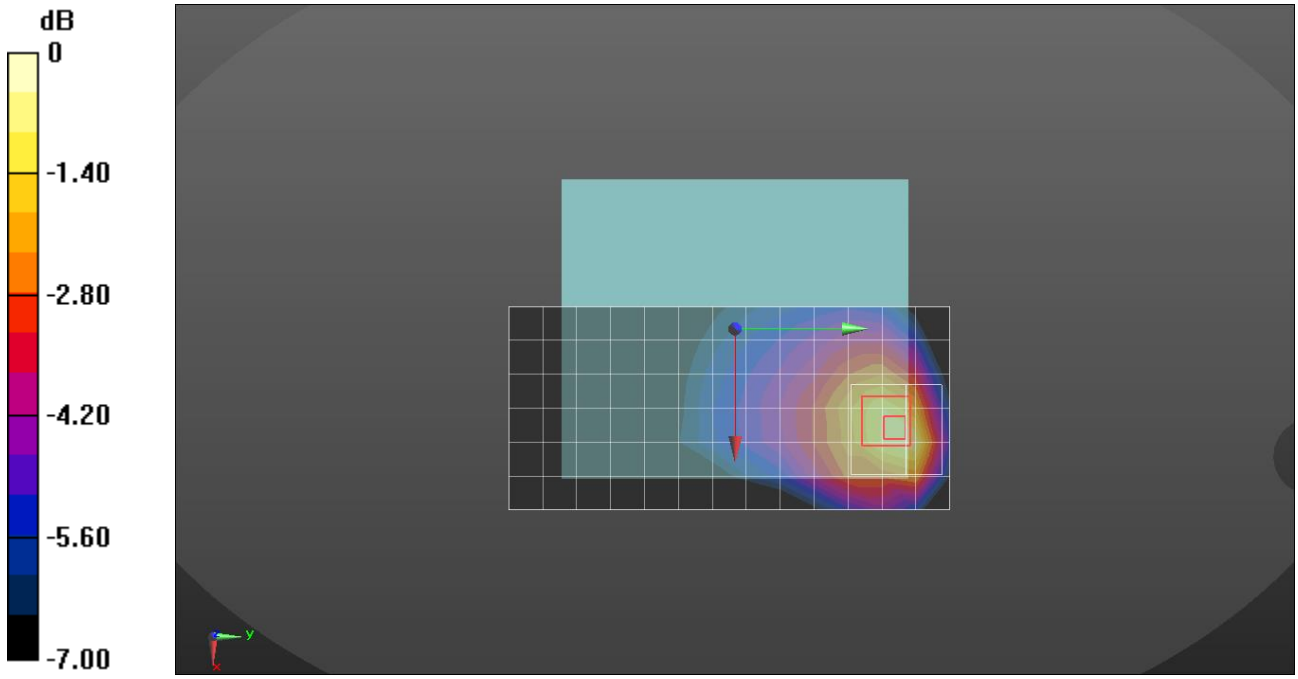
LTE Band 71

Frequency: 680.5 MHz; Communication System Channel Number: 133297; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.877 S/m; ε_r = 41.222; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 680.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/0 ch.133297/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.488 W/kg

Rear/QPSK RB 1/0 ch.133297/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.25 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.689 W/kg
SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.223 W/kg
Smallest distance from peaks to all points 3 dB below = 15.2 mm
Ratio of SAR at M2 to SAR at M1 = 50.3%
Maximum value of SAR (measured) = 0.543 W/kg



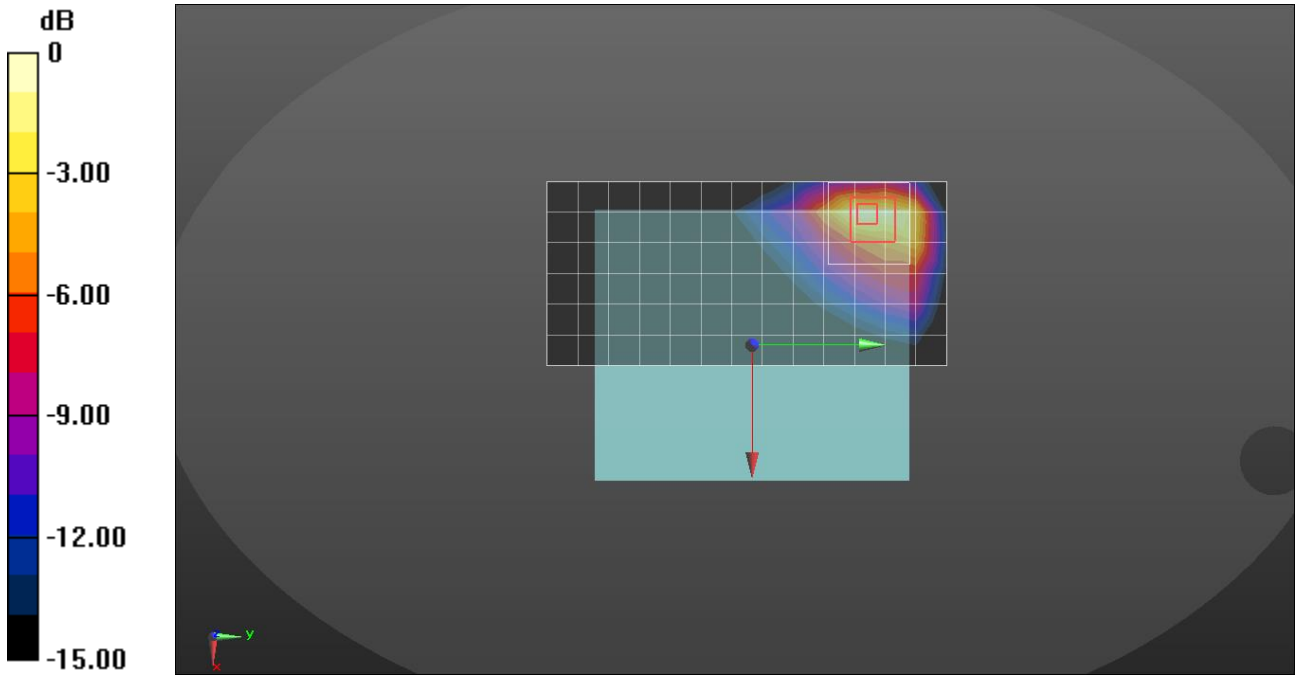
LTE Band 71

Frequency: 680.5 MHz; Communication System Channel Number: 133297; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.877 S/m; ε_r = 41.222; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 680.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/QPSK RB 1/0 ch.133297/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.62 W/kg

Front/QPSK RB 1/0 ch.133297/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 69.21 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 2.6 W/kg; SAR(10 g) = 1.34 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 23.5%
Maximum value of SAR (measured) = 5.92 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-16

Measurement Report for SM-F956U, BACK, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 133297 (680.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Band 71	LTE-FDD, 10169-CAF	680.500	9.75	0.869	41.9

Hardware Setup

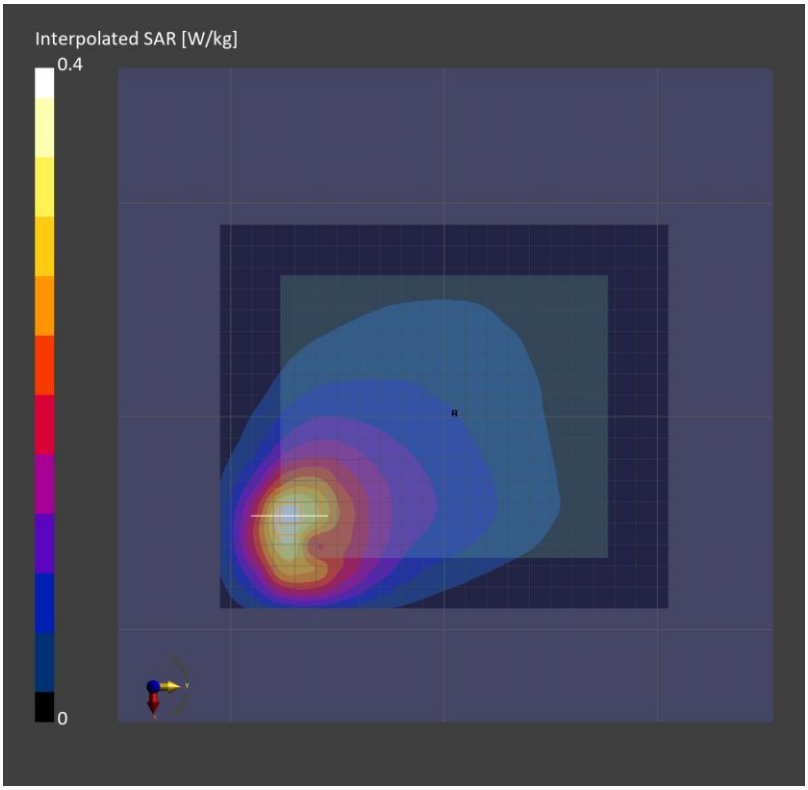
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.329	0.307
psSAR10g [W/Kg]	0.215	0.182
Power Drift [dB]		0.02
M2/M1 [%]		79.2
Dist 3dB Peak [mm]		14.5



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-16

Measurement Report for SM-F956U, EDGE RIGHT, Band 71, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK), Channel 133297 (680.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE RIGHT, 0.00	Band 71	LTE-FDD, 10169-CAF	680.500	9.75	0.869	41.9

Hardware Setup

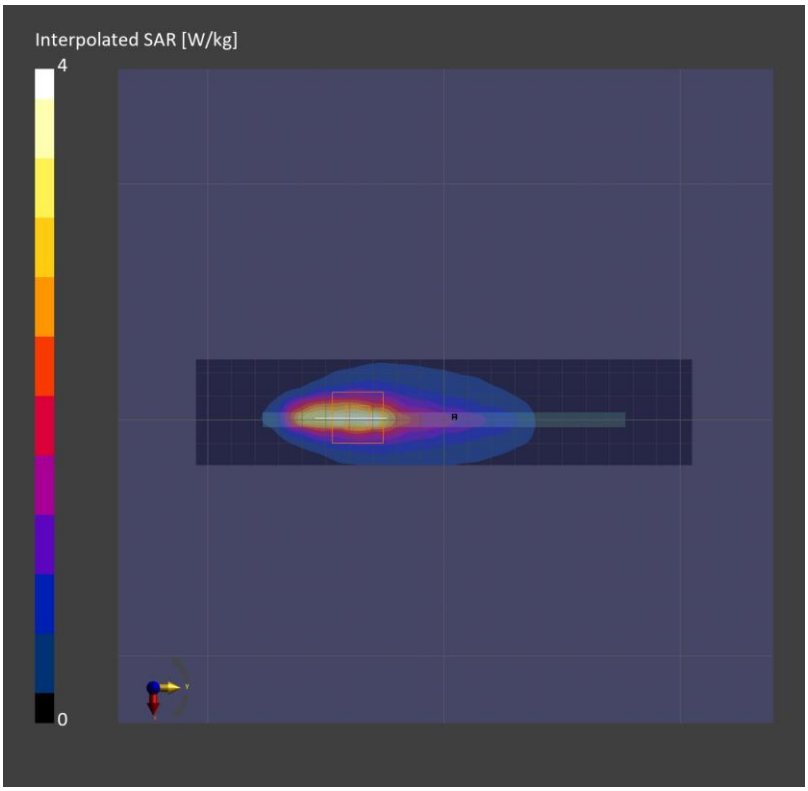
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.91	3.18
psSAR10g [W/Kg]	1.54	1.31
Power Drift [dB]		0.00
M2/M1 [%]		57.2
Dist 3dB Peak [mm]		5.4



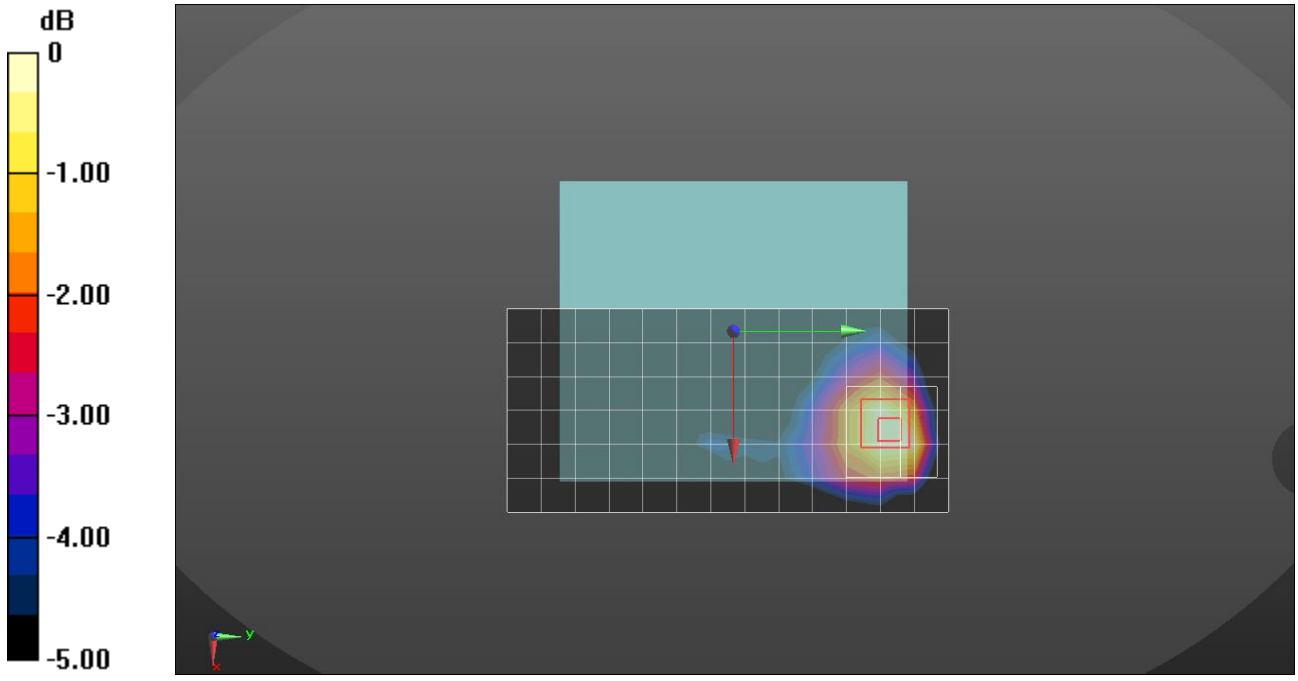
NR Band n5

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.926 S/m; ε_r = 40.828; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/52 ch.167300/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.636 W/kg

Rear/QPSK RB 1/52 ch.167300/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.21 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.964 W/kg
SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.304 W/kg
Smallest distance from peaks to all points 3 dB below = 15.2 mm
Ratio of SAR at M2 to SAR at M1 = 50.8%
Maximum value of SAR (measured) = 0.743 W/kg



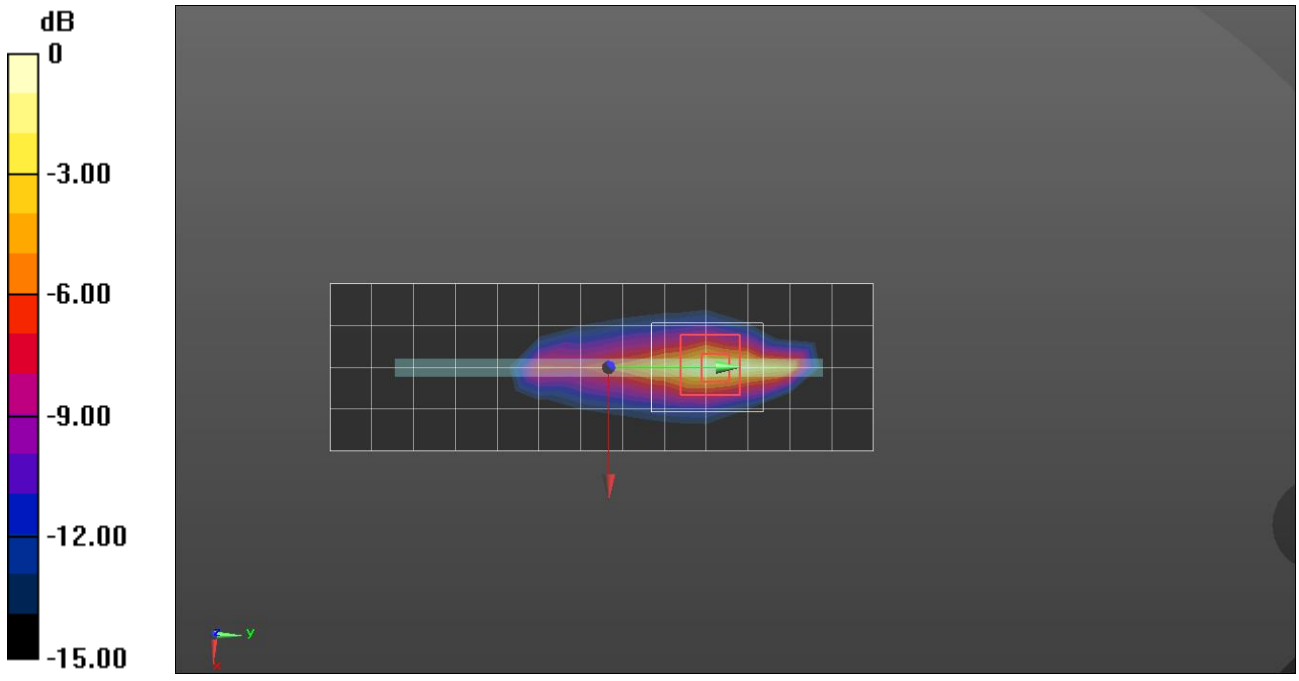
NR Band n5

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.926 S/m; ε_r = 40.828; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 50/28 ch.167300/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.12 W/kg

Right/QPSK RB 50/28 ch.167300/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 76.19 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 14.9 W/kg
SAR(1 g) = 3.45 W/kg; SAR(10 g) = 1.34 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 21.7%
Maximum value of SAR (measured) = 9.60 W/kg



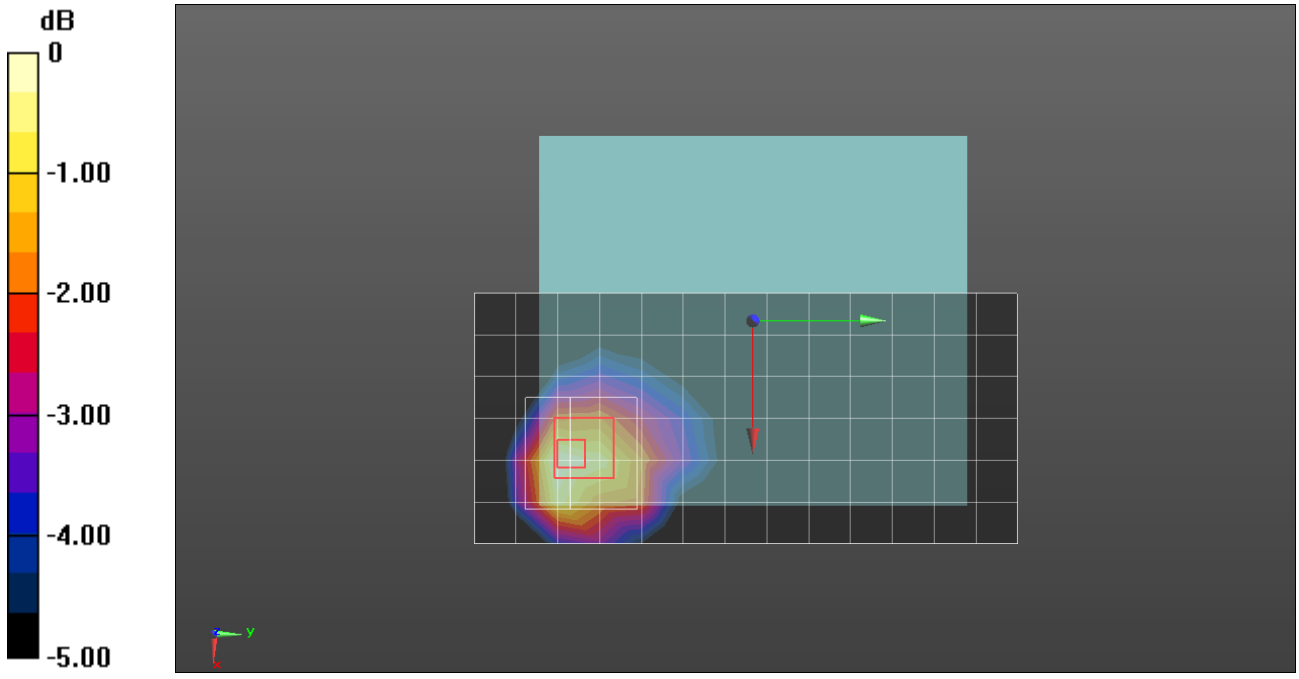
NR Band n5

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.942 S/m; ε_r = 40.321; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/1 ch.167300/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.499 W/kg

Rear/QPSK RB 1/1 ch.167300/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.03 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.635 W/kg
SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.206 W/kg
Smallest distance from peaks to all points 3 dB below = 15.8 mm
Ratio of SAR at M2 to SAR at M1 = 53%
Maximum value of SAR (measured) = 0.490 W/kg



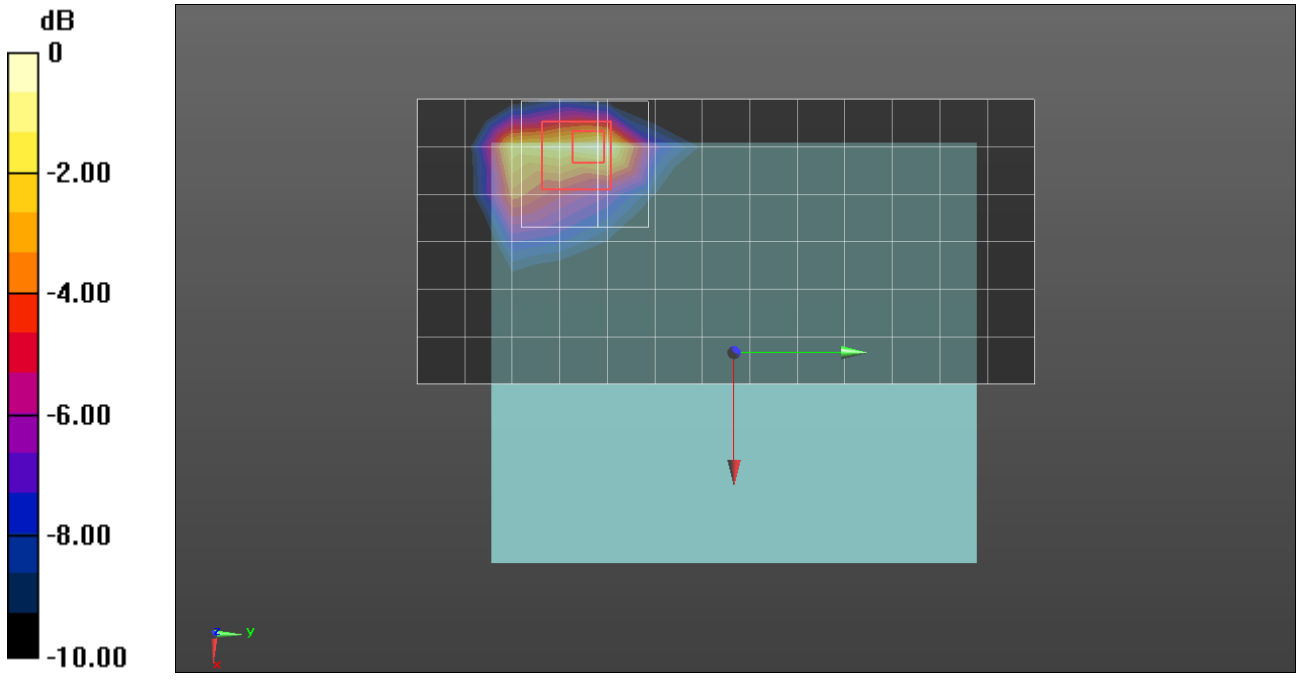
NR Band n5

Frequency: 836.5 MHz; Communication System Channel Number: 167300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.942 S/m; ε_r = 40.321; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 836.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/QPSK RB 1/1 ch.167300/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.76 W/kg

Front/QPSK RB 1/1 ch.167300/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 66.68 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 7.37 W/kg
SAR(1 g) = 2.65 W/kg; SAR(10 g) = 1.34 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 35%
Maximum value of SAR (measured) = 5.09 W/kg



0 dB = 6.76 W/kg = 8.30 dBW/kg

UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-10

Measurement Report for SM-F956U, EDGE BOTTOM, Band n7, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 507000 (2535.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band n7	5G NR FR1 FDD, 10942-AAC	2535.000	7.11	1.90	40.2

Hardware Setup

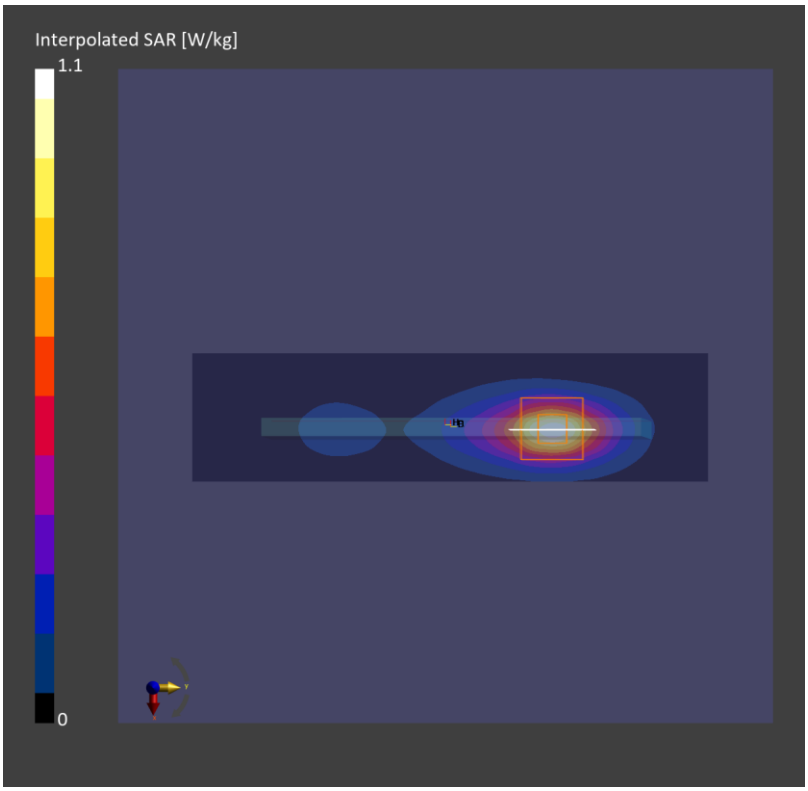
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.811	0.834
psSAR10g [W/Kg]	0.365	0.384
Power Drift [dB]		0.07
M2/M1 [%]		78.7
Dist 3dB Peak [mm]		9.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE BOTTOM, Band n7, 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz), Channel 507000 (2535.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band n7	5G NR FR1 FDD, 10950-AAC	2535.000	7.11	1.90	40.2

Hardware Setup

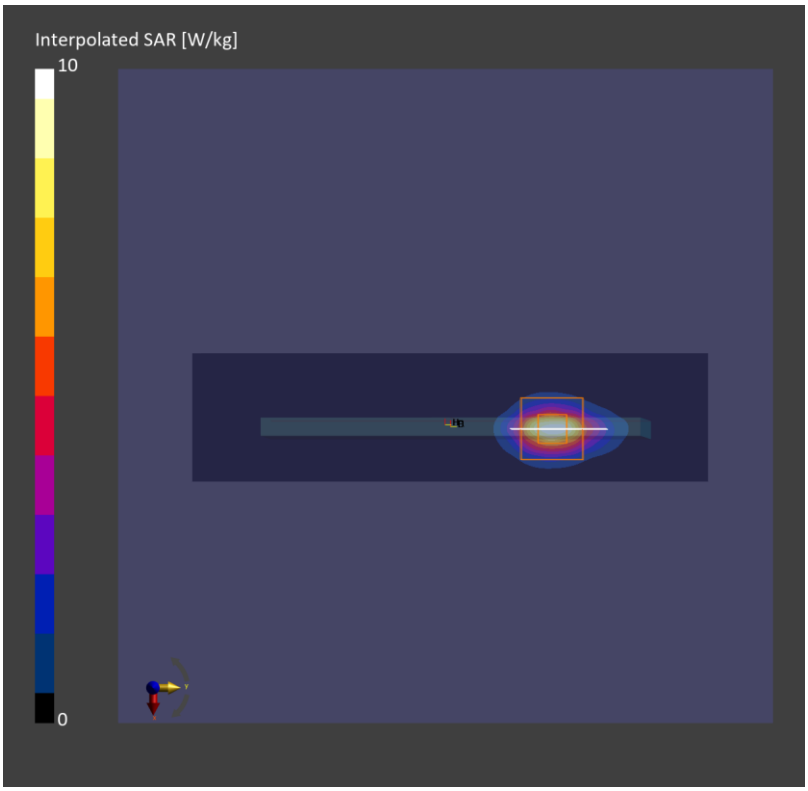
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	4.2 x 4.2 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.89	6.96
psSAR10g [W/Kg]	2.54	2.50
Power Drift [dB]		0.01
M2/M1 [%]		70.8
Dist 3dB Peak [mm]		5.2



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band n7, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz), Channel 507000 (2535.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.0	7.11	1.90	40.2

Hardware Setup

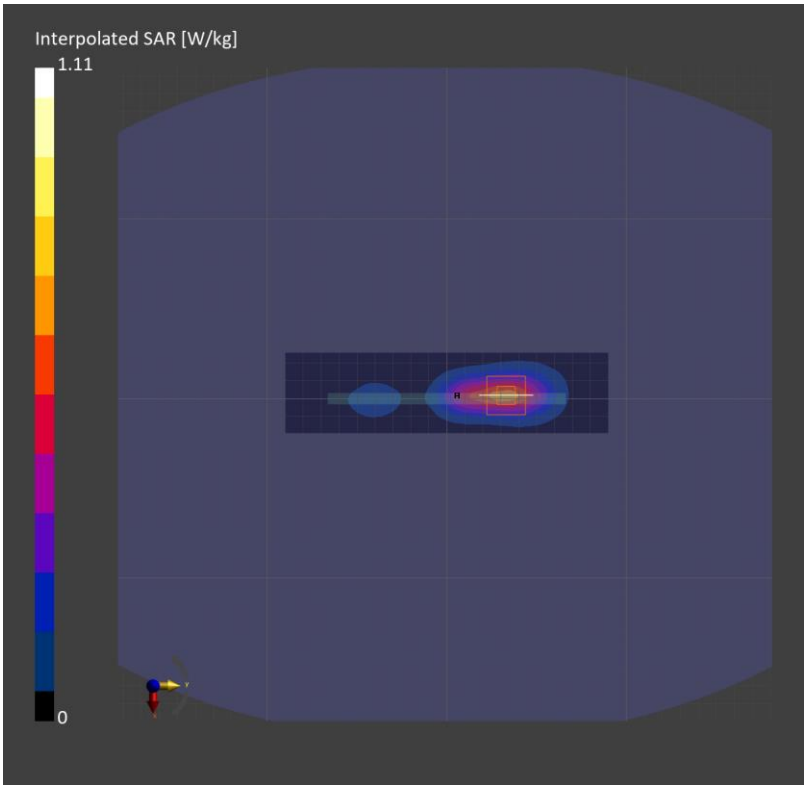
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.536	0.544
psSAR10g [W/Kg]	0.259	0.267
Power Drift [dB]		-0.05
M2/M1 [%]		79.1
Dist 3dB Peak [mm]		9.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band n7, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 507000 (2535.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band n7	5G NR FR1 FDD, 10942-AAC	2535.0	7.11	1.90	40.2

Hardware Setup

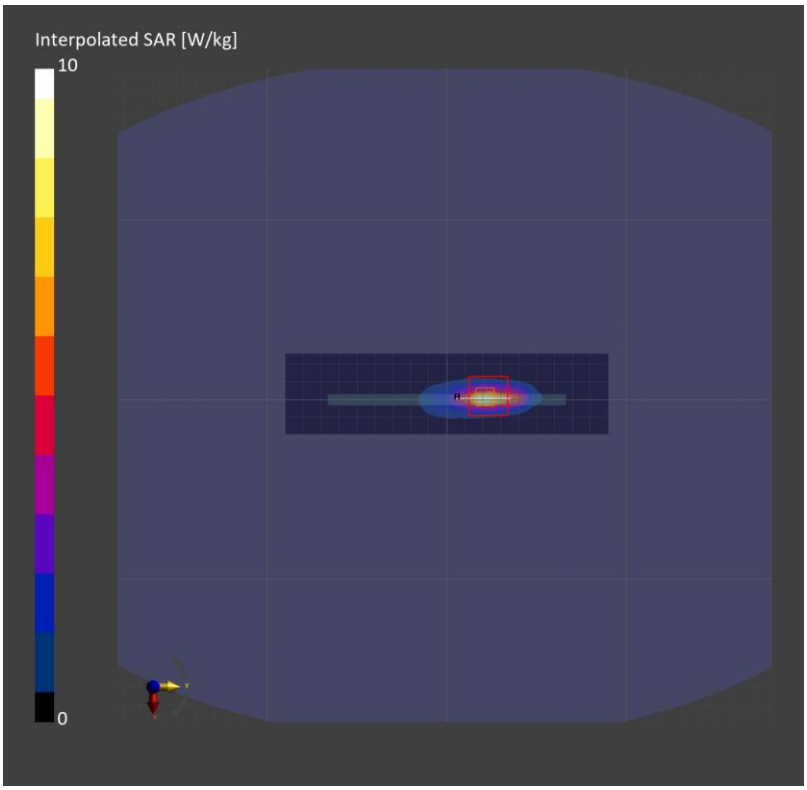
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.70	5.61
psSAR10g [W/Kg]	2.06	1.92
Power Drift [dB]		-0.03
M2/M1 [%]		59.7
Dist 3dB Peak [mm]		4.0



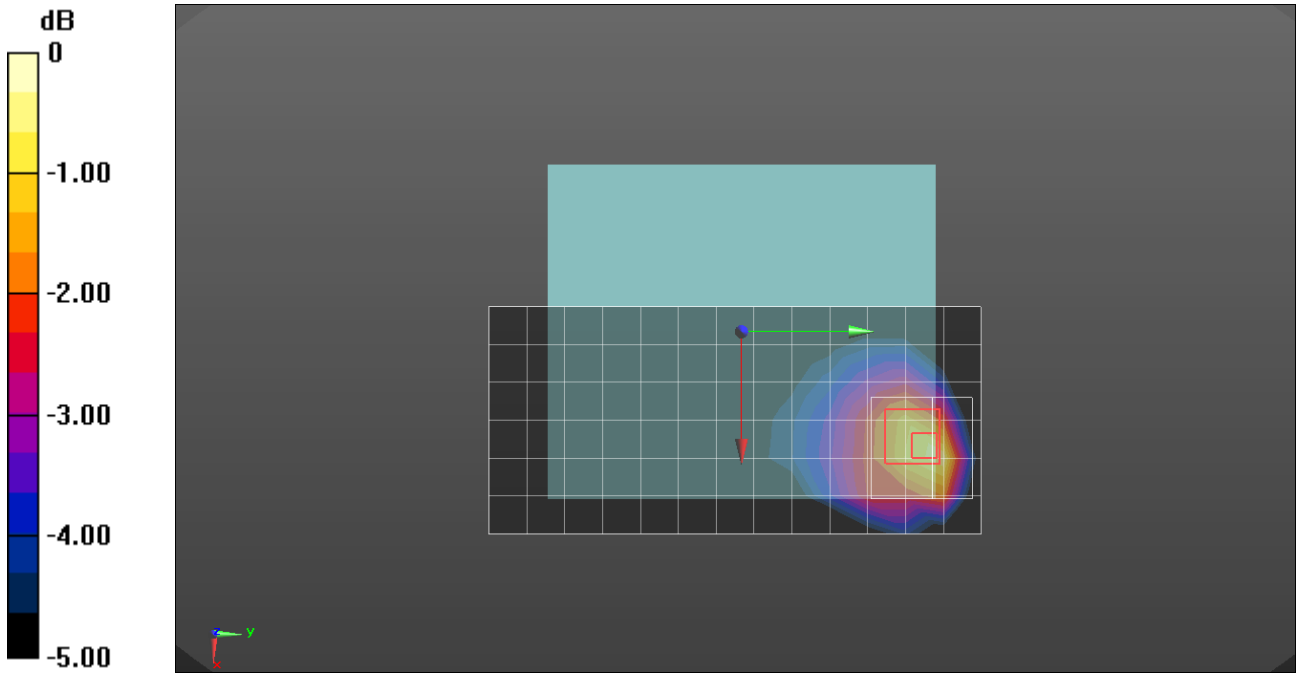
NR Band n12

Frequency: 707.5 MHz; Communication System Channel Number: 141500; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.897 S/m; ε_r = 40.71; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 707.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/1 ch.141500/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.567 W/kg

Rear /QPSK RB 1/1 ch.141500/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.70 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.790 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.242 W/kg
Smallest distance from peaks to all points 3 dB below = 15.2 mm
Ratio of SAR at M2 to SAR at M1 = 48.4%
Maximum value of SAR (measured) = 0.619 W/kg



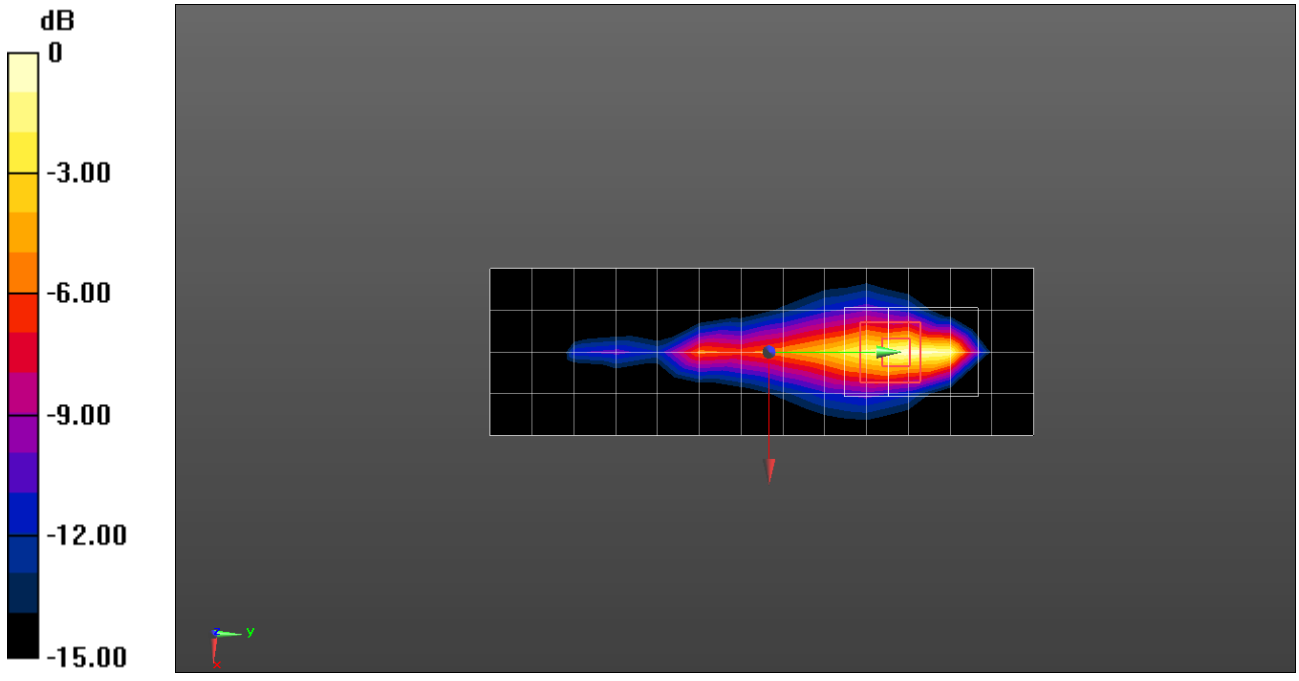
NR Band n12

Frequency: 707.5 MHz; Communication System Channel Number: 141500; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.897 S/m; ε_r = 40.71; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 707.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right /QPSK RB 1/1 ch.141500/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.1 W/kg

Right /QPSK RB 1/1 ch.141500/Zoom Scan (5x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 80.16 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 4.23 W/kg; SAR(10 g) = 1.67 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 21.3%
Maximum value of SAR (measured) = 11.6 W/kg



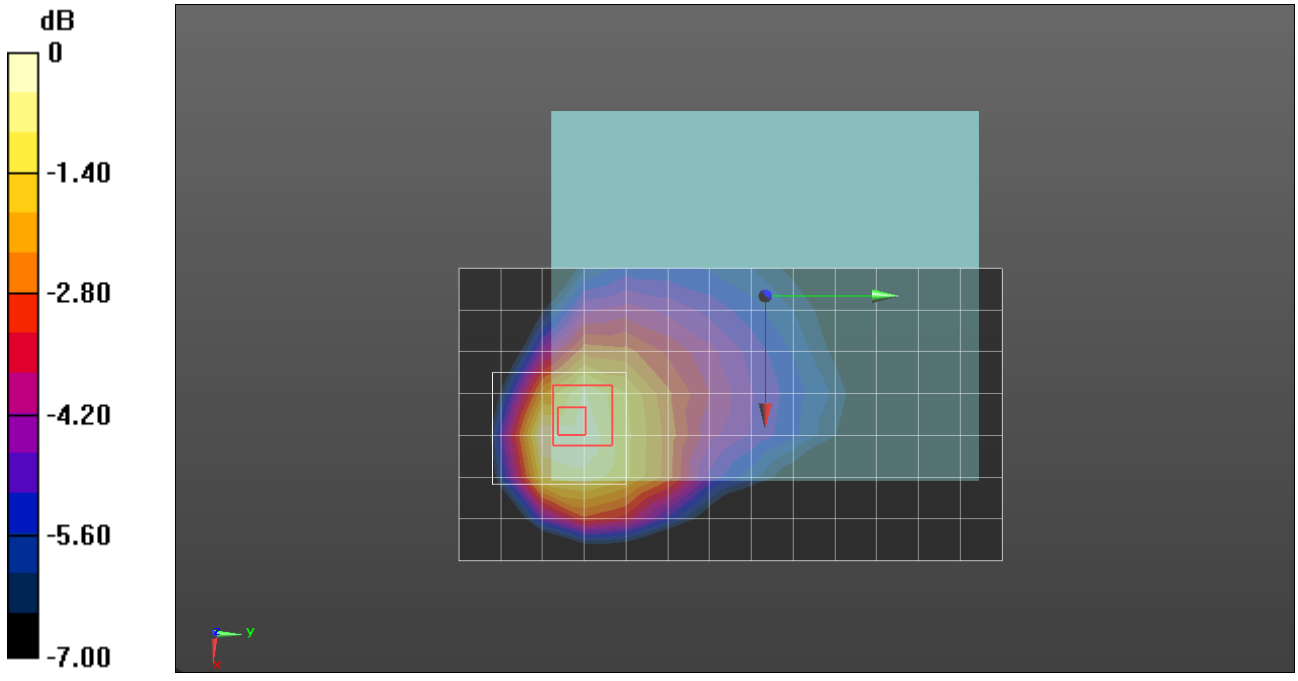
NR Band n12

Frequency: 707.5 MHz; Communication System Channel Number: 141500; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.897 S/m; ε_r = 40.71; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 707.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear /QPSK RB 1/1 ch.141500/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.348 W/kg

Rear /QPSK RB 1/1 ch.141500/Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.13 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.505 W/kg
SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.160 W/kg
Smallest distance from peaks to all points 3 dB below = 14.3 mm
Ratio of SAR at M2 to SAR at M1 = 49.3%
Maximum value of SAR (measured) = 0.399 W/kg



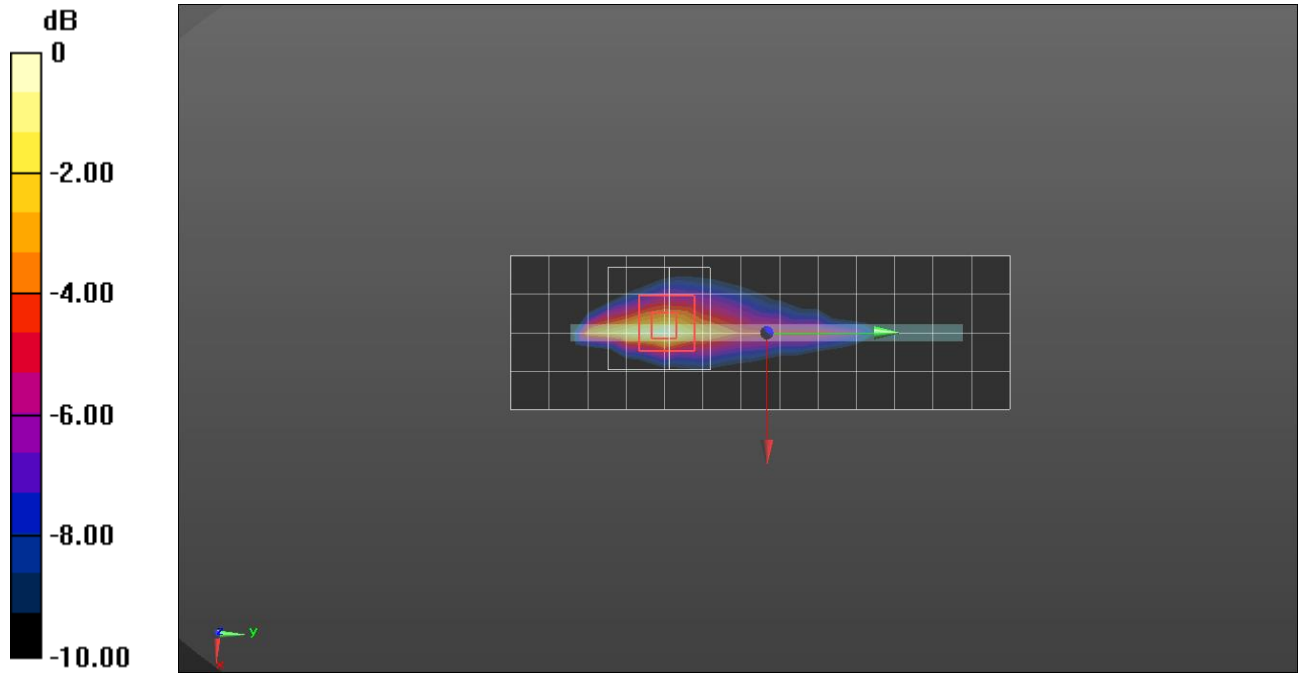
NR Band n12

Frequency: 707.5 MHz; Communication System Channel Number: 141500; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.897 S/m; ε_r = 40.71; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 707.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right /QPSK RB 1/1 ch.141500/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.90 W/kg

Right /QPSK RB 1/1 ch.141500/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 73.82 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 11.4 W/kg
SAR(1 g) = 3.27 W/kg; SAR(10 g) = 1.38 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 27.5%
Maximum value of SAR (measured) = 7.63 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE BOTTOM, Band n25, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 376500 (1882.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band n25	5G NR FR1 FDD, 10942-AAC	1882.500	8.07	1.44	39.1

Hardware Setup

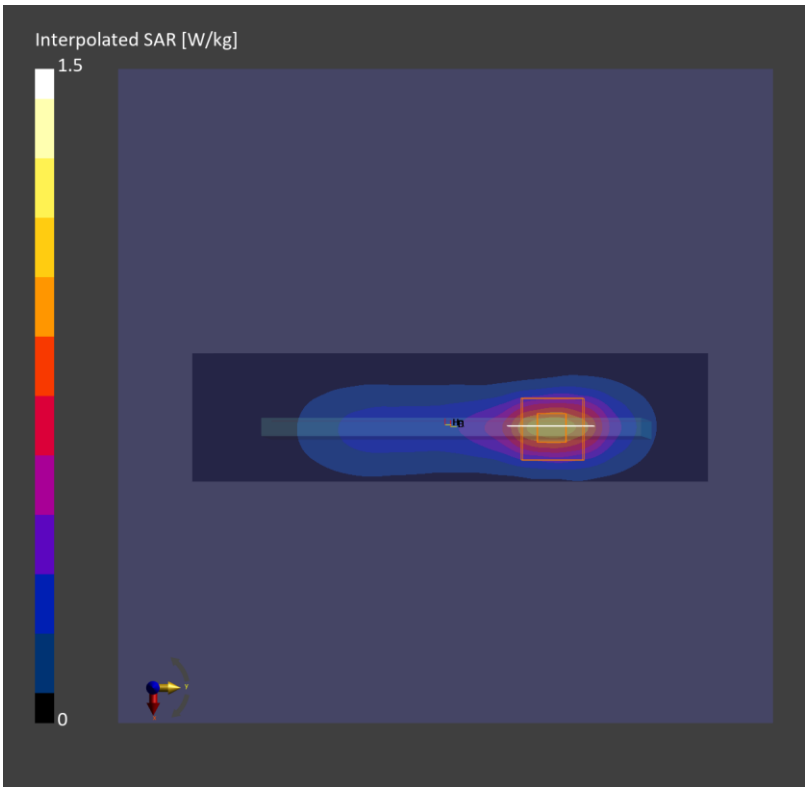
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.883	0.926
psSAR10g [W/Kg]	0.444	0.453
Power Drift [dB]		-0.01
M2/M1 [%]		79.3
Dist 3dB Peak [mm]		8.5



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE BOTTOM, Band n25, 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz), Channel 376500 (1882.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band n25	5G NR FR1 FDD, 10950-AAC	1882.500	8.07	1.44	39.1

Hardware Setup

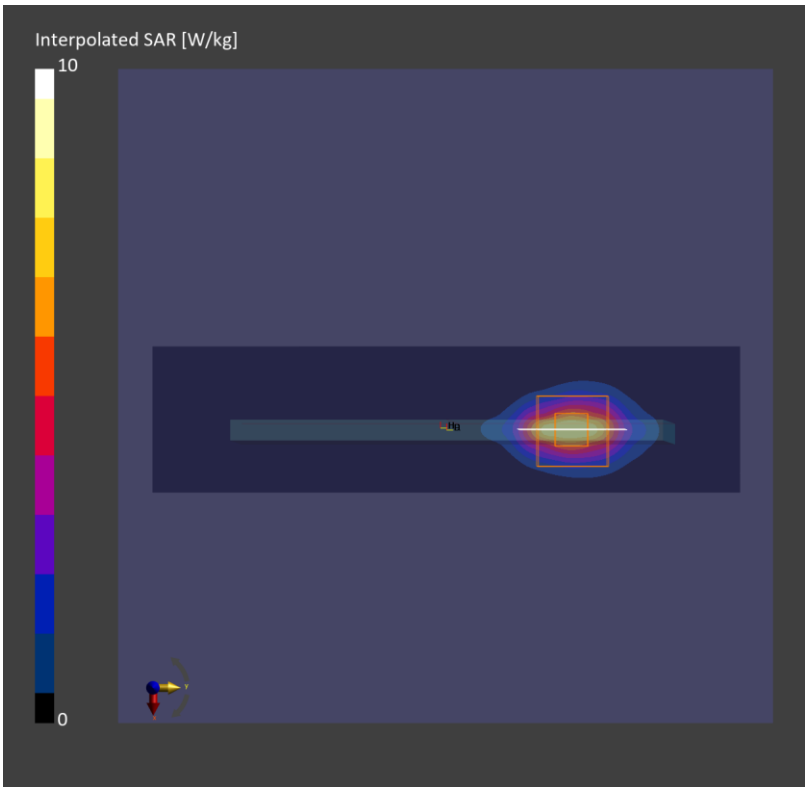
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	4.7 x 4.7 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.47	6.41
psSAR10g [W/Kg]	2.78	2.61
Power Drift [dB]		0.01
M2/M1 [%]		71.9
Dist 3dB Peak [mm]		5.7



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band n25, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 376500 (1882.5 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band n25	5G NR FR1 FDD, 10942-AAC	1882.5	8.07	1.44	39.1

Hardware Setup

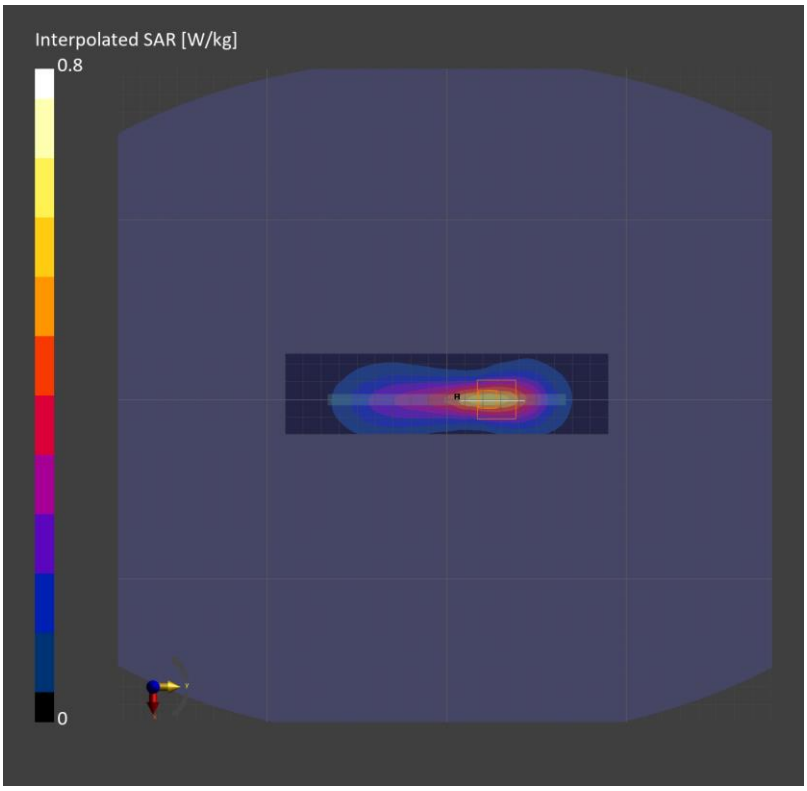
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.461	0.464
psSAR10g [W/Kg]	0.240	0.240
Power Drift [dB]		-0.01
M2/M1 [%]		79.9
Dist 3dB Peak [mm]		9.2



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band n25, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz), Channel 376500 (1882.5 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band n25	5G NR FR1 FDD, 10934-AAC	1882.5	8.07	1.44	39.1

Hardware Setup

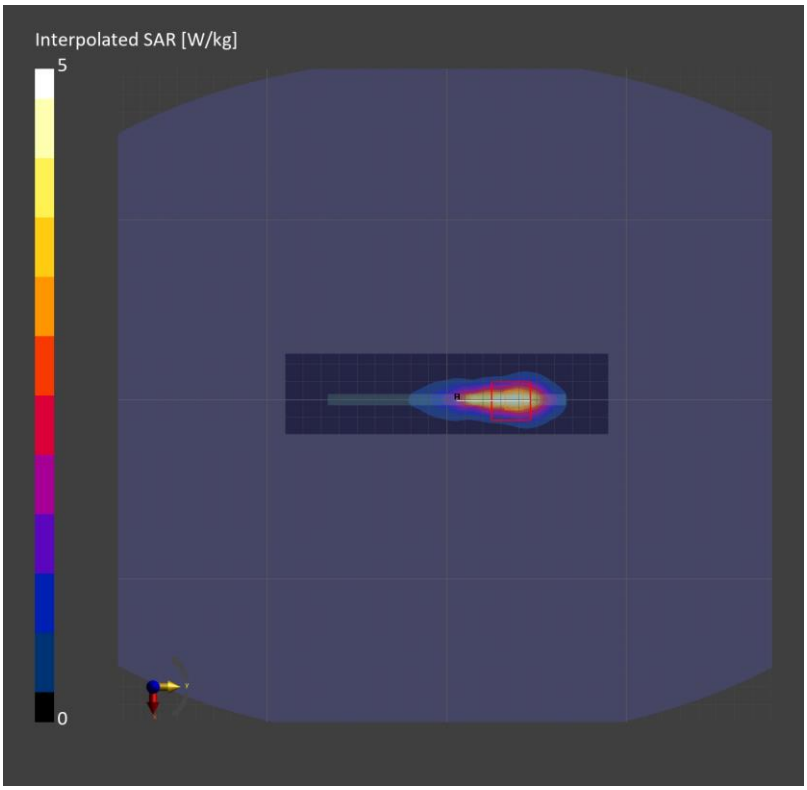
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.54	3.50
psSAR10g [W/Kg]	1.61	1.54
Power Drift [dB]		0.06
M2/M1 [%]		61.1
Dist 3dB Peak [mm]		4.1



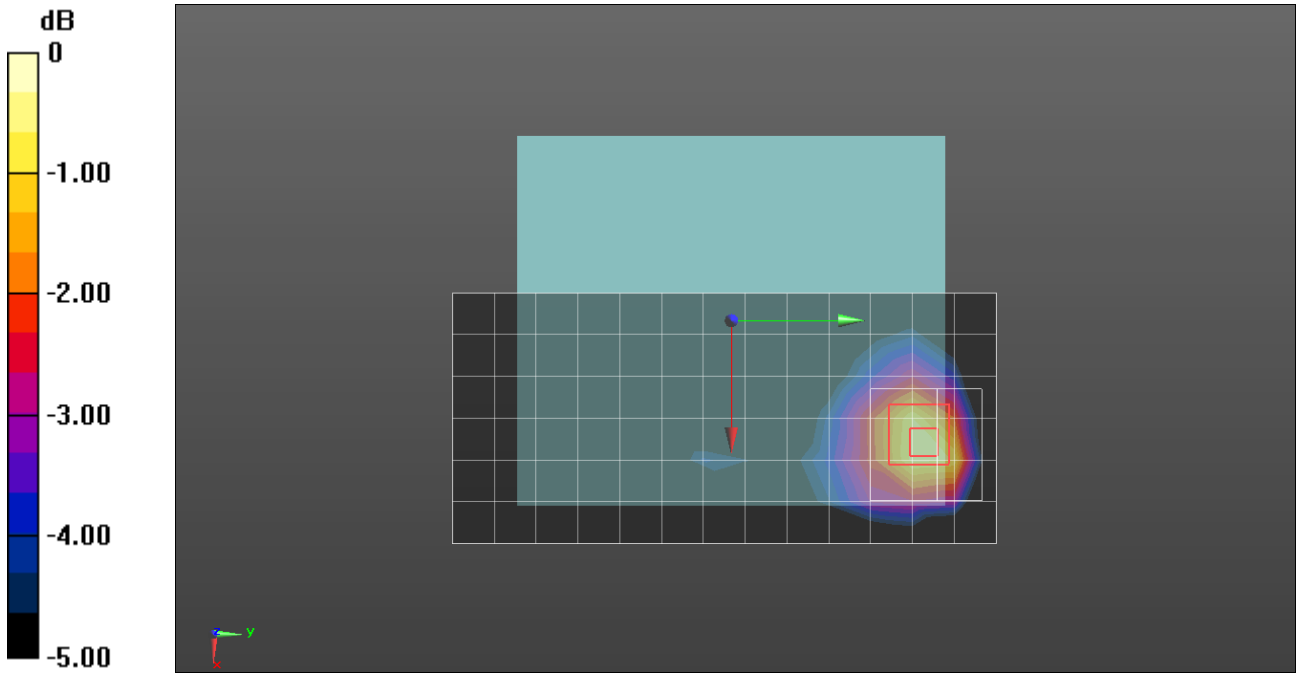
NR Band n26

Frequency: 831.5 MHz; Communication System Channel Number: 166300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.925 S/m; ε_r = 40.84; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 831.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear /QPSK RB 1/52 ch.166300/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.706 W/kg

Rear /QPSK RB 1/52 ch.166300/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.23 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.327 W/kg
Smallest distance from peaks to all points 3 dB below = 15.2 mm
Ratio of SAR at M2 to SAR at M1 = 50.3%
Maximum value of SAR (measured) = 0.800 W/kg



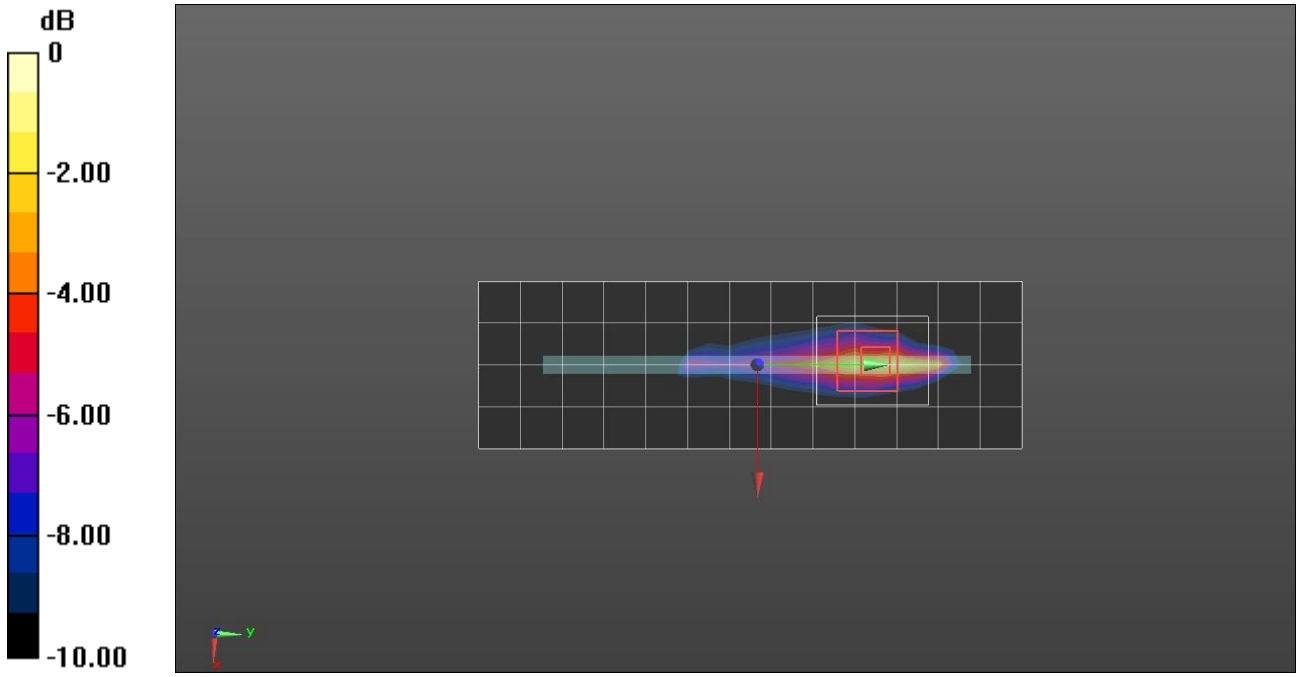
NR Band n26

Frequency: 831.5 MHz; Communication System Channel Number: 166300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.94 S/m; ε_r = 40.338; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 831.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right /QPSK RB 50/28 ch.166300/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 7.12 W/kg

Right /QPSK RB 50/28 ch.166300/Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 65.43 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 14.1 W/kg
SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.35 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 21.7%
Maximum value of SAR (measured) = 8.95 W/kg



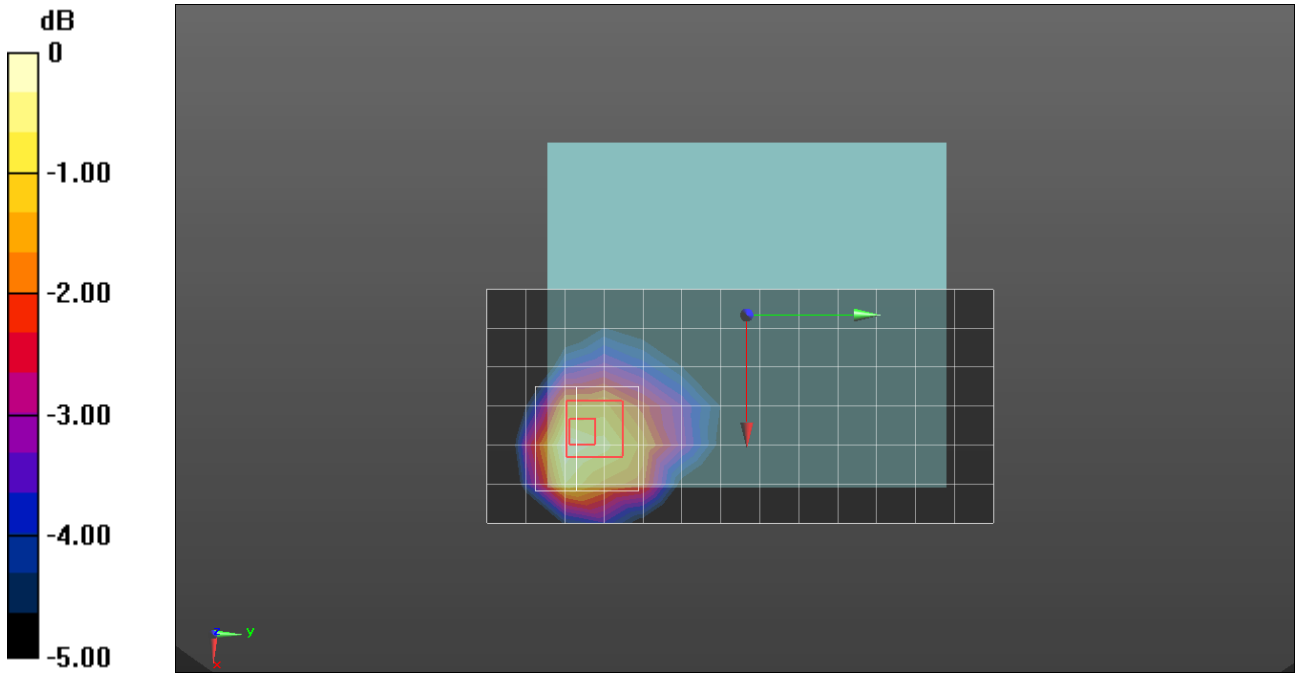
NR Band n26

Frequency: 831.5 MHz; Communication System Channel Number: 166300; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.94 S/m; ε_r = 40.338; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10, 10, 10) @ 831.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 1/1 ch.166300/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.441 W/kg

Rear/QPSK RB 1/1 ch.166300/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.89 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.563 W/kg
SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.191 W/kg
Smallest distance from peaks to all points 3 dB below = 17.9 mm
Ratio of SAR at M2 to SAR at M1 = 55.9%
Maximum value of SAR (measured) = 0.448 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#9
Date/Time:2024-04-15

Measurement Report for SM-F956U, FRONT, Band n26, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 166300 (831.5 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band n26	5G NR FR1 FDD, 10939-AAC	831.5	10.11	0.926	41.7

Hardware Setup

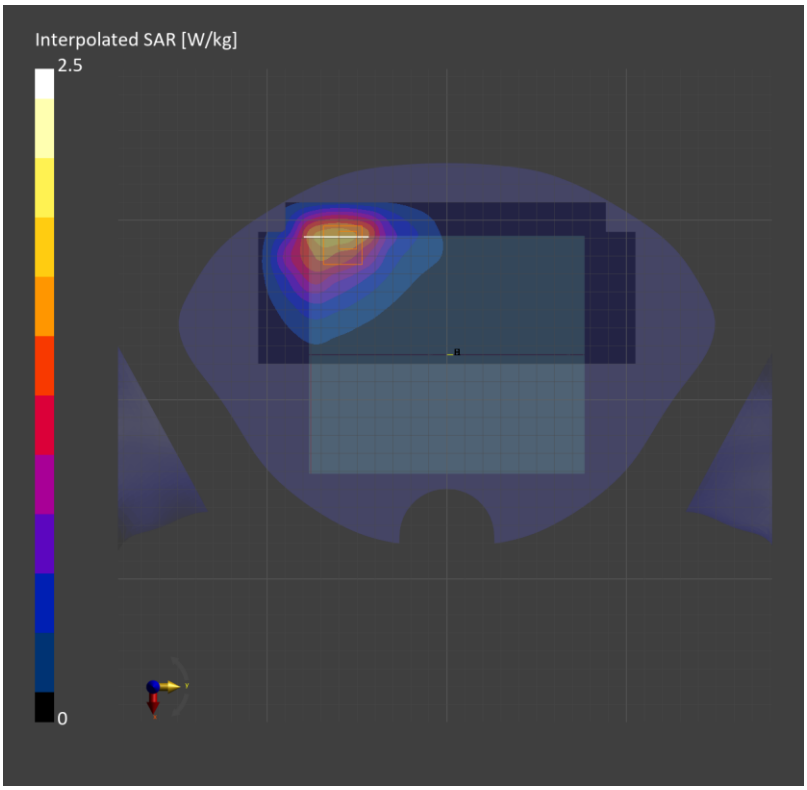
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000	EX3DV4 - SN7330, 2024-01-22	DAE4 Sn474, 2023-11-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.57	2.27
psSAR10g [W/Kg]	1.03	1.11
Power Drift [dB]		0.05
M2/M1 [%]		62.9
Dist 3dB Peak [mm]		4.8



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-17

Measurement Report for SM-F956U, EDGE BOTTOM, Band n30, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz), Channel 462000 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.000	7.36	1.71	39.5

Hardware Setup

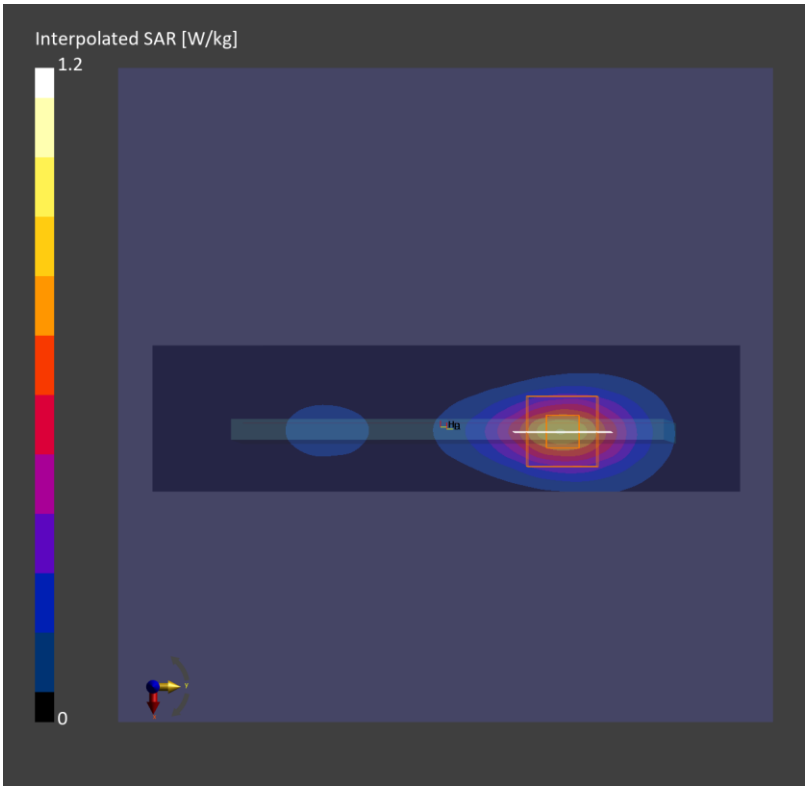
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.695	0.705
psSAR10g [W/Kg]	0.331	0.339
Power Drift [dB]		-0.09
M2/M1 [%]		78.1
Dist 3dB Peak [mm]		9.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-17

Measurement Report for SM-F956U, EDGE BOTTOM, Band n30, 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz), Channel 462000 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band n30	5G NR FR1 FDD, 10937-AAD	2310.000	7.36	1.71	39.5

Hardware Setup

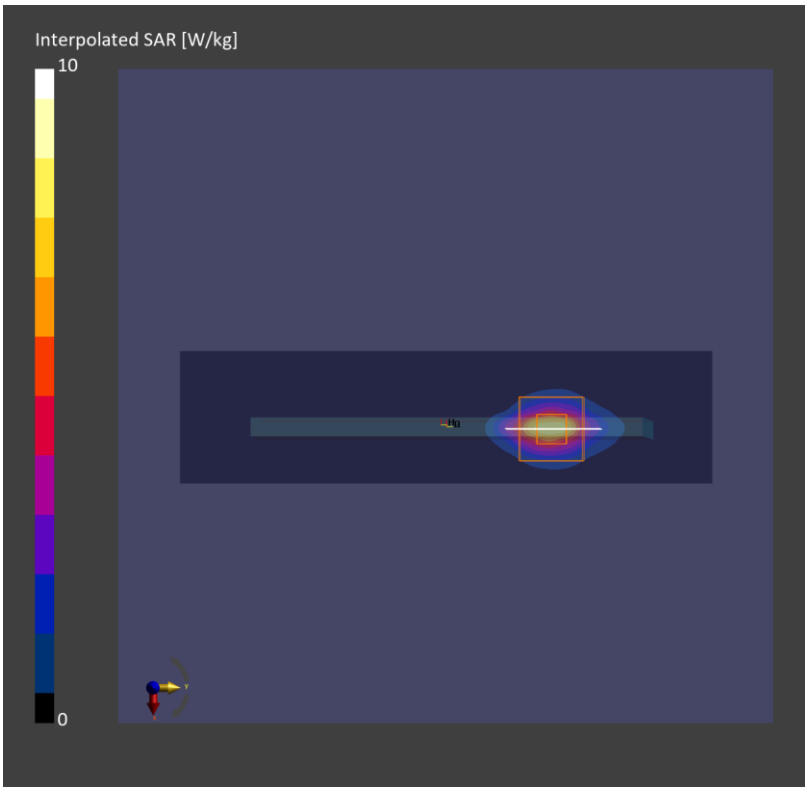
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	4.6 x 4.6 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.80	5.87
psSAR10g [W/Kg]	2.21	2.19
Power Drift [dB]		0.03
M2/M1 [%]		71.9
Dist 3dB Peak [mm]		5.6



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-18

Measurement Report for SM-F956U, EDGE TOP, Band n30, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz), Channel 462000 (2310.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.0	7.36	1.71	39.5

Hardware Setup

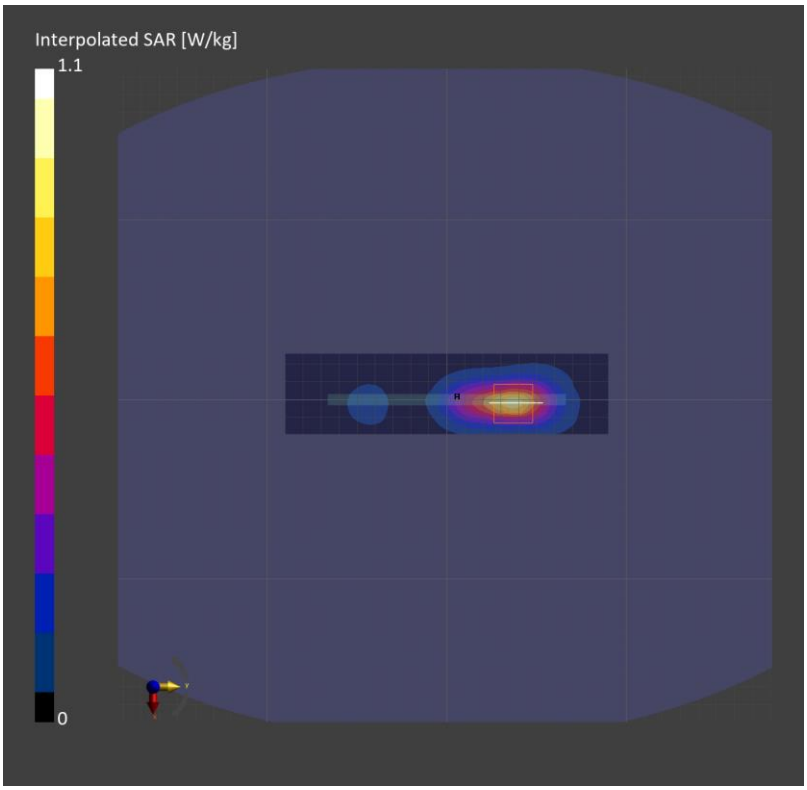
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.687	0.736
psSAR10g [W/Kg]	0.334	0.366
Power Drift [dB]		-0.02
M2/M1 [%]		78.1
Dist 3dB Peak [mm]		9.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-18

Measurement Report for SM-F956U, EDGE TOP, Band n30, 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz), Channel 462000 (2310.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band n30	5G NR FR1 FDD, 10937-AAD	2310.0	7.36	1.71	39.5

Hardware Setup

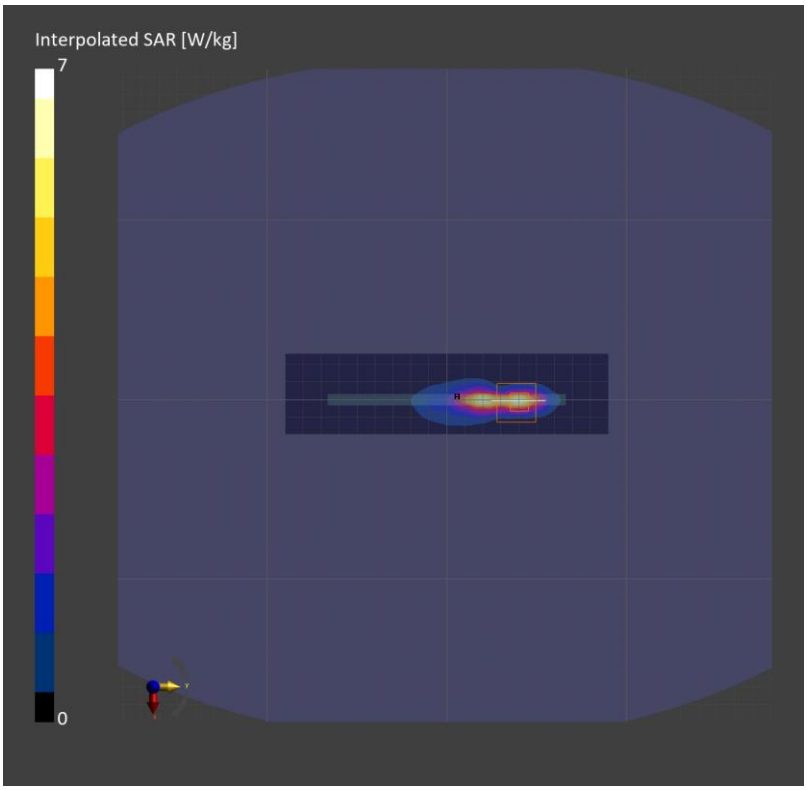
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	4.02	3.99
psSAR10g [W/Kg]	1.51	1.36
Power Drift [dB]		0.01
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		3.7



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-10

Measurement Report for SM-F956U, EDGE BOTTOM, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 349000 (1745.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band n66	5G NR FR1 FDD, 10942-AAC	1745.000	8.61	1.37	39.2

Hardware Setup

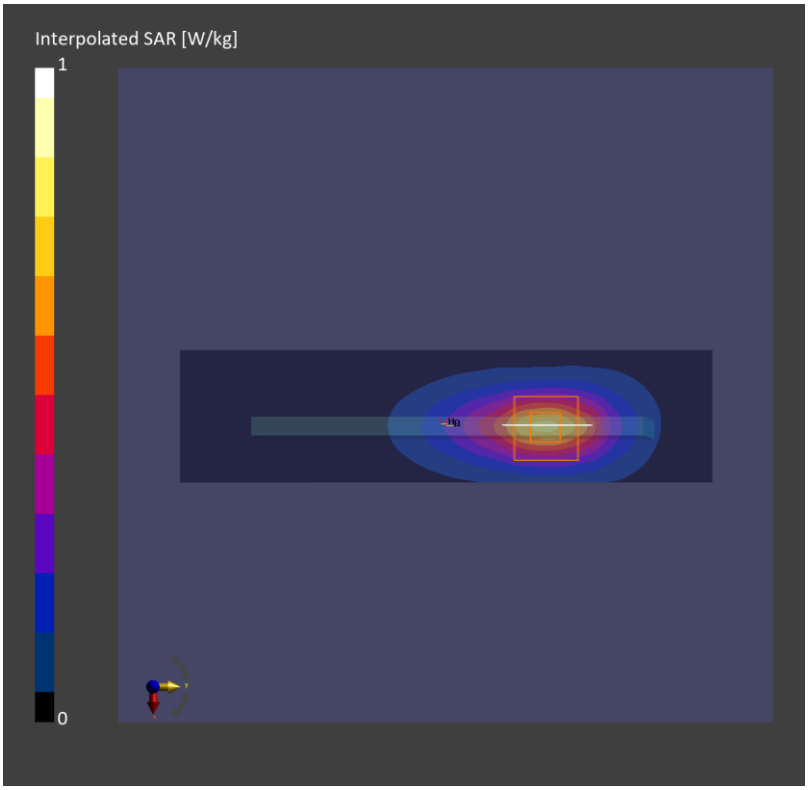
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.617	0.642
psSAR10g [W/Kg]	0.326	0.334
Power Drift [dB]		0.10
M2/M1 [%]		79.7
Dist 3dB Peak [mm]		9.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-10

Measurement Report for SM-F956U, EDGE BOTTOM, Band n66, 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz), Channel 349000 (1745.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band n66	5G NR FR1 FDD, 10950-AAC	1745.000	8.61	1.37	39.2

Hardware Setup

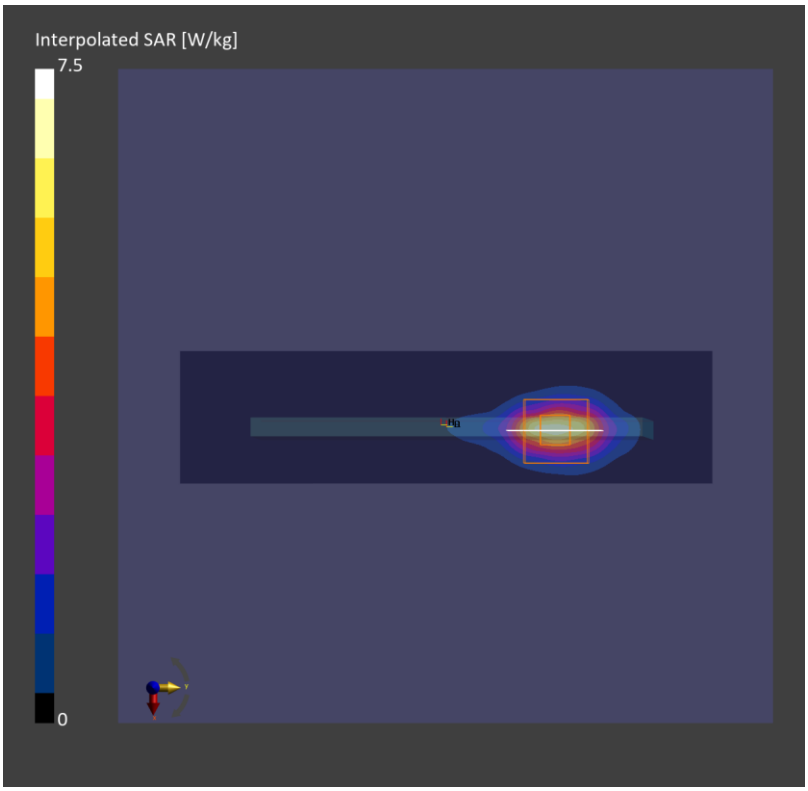
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	4.6 x 4.6 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	5.12	5.08
psSAR10g [W/Kg]	2.26	2.10
Power Drift [dB]		0.02
M2/M1 [%]		70.5
Dist 3dB Peak [mm]		5.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 349000 (1745.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band n66	5G NR FR1 FDD, 10942-AAC	1745.0	8.61	1.37	39.2

Hardware Setup

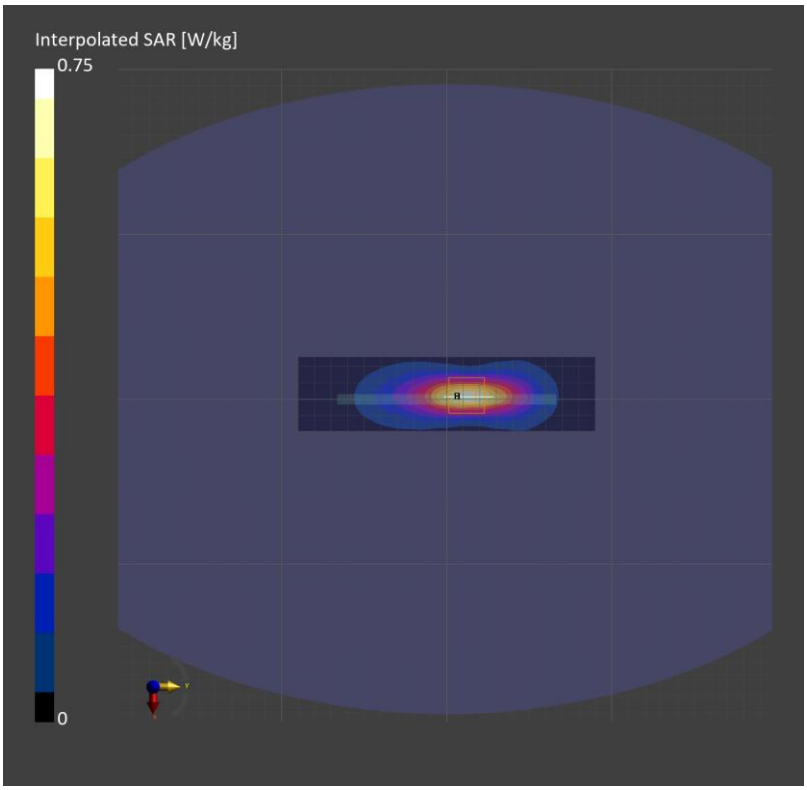
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.540	0.547
psSAR10g [W/Kg]	0.282	0.279
Power Drift [dB]		-0.03
M2/M1 [%]		77.7
Dist 3dB Peak [mm]		8.5



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz), Channel 349000 (1745.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band n66	5G NR FR1 FDD, 10942-AAC	1745.0	8.61	1.37	39.2

Hardware Setup

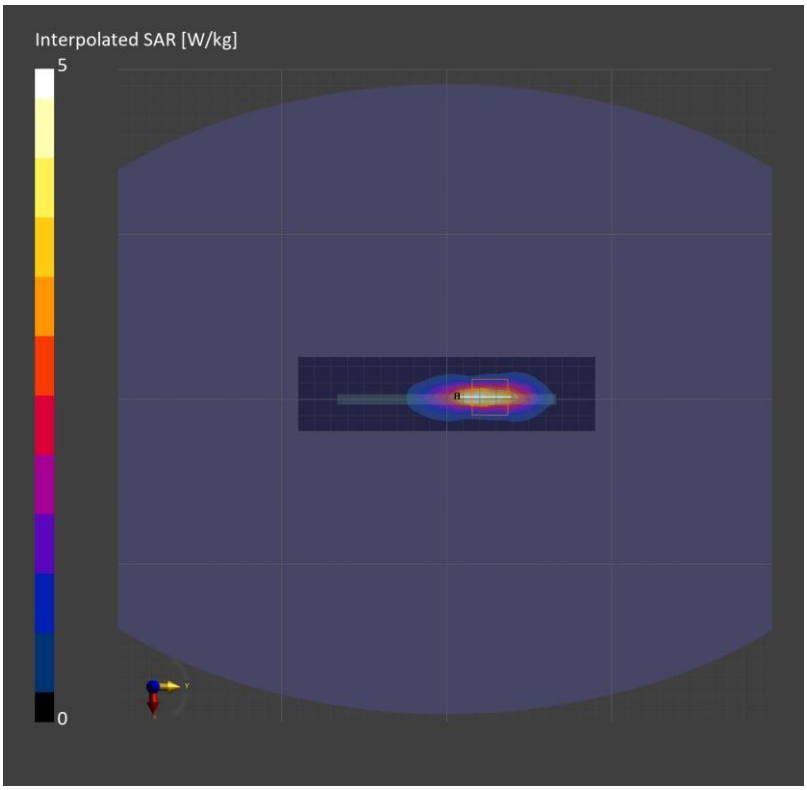
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.51	3.83
psSAR10g [W/Kg]	1.54	1.44
Power Drift [dB]		0.02
M2/M1 [%]		62.5
Dist 3dB Peak [mm]		4.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-10

Measurement Report for SM-F956U, EDGE BOTTOM, Band n70, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz), Channel 340500 (1702.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Band n70	5G NR FR1 FDD, 10938-AAC	1702.500	8.61	1.35	39.3

Hardware Setup

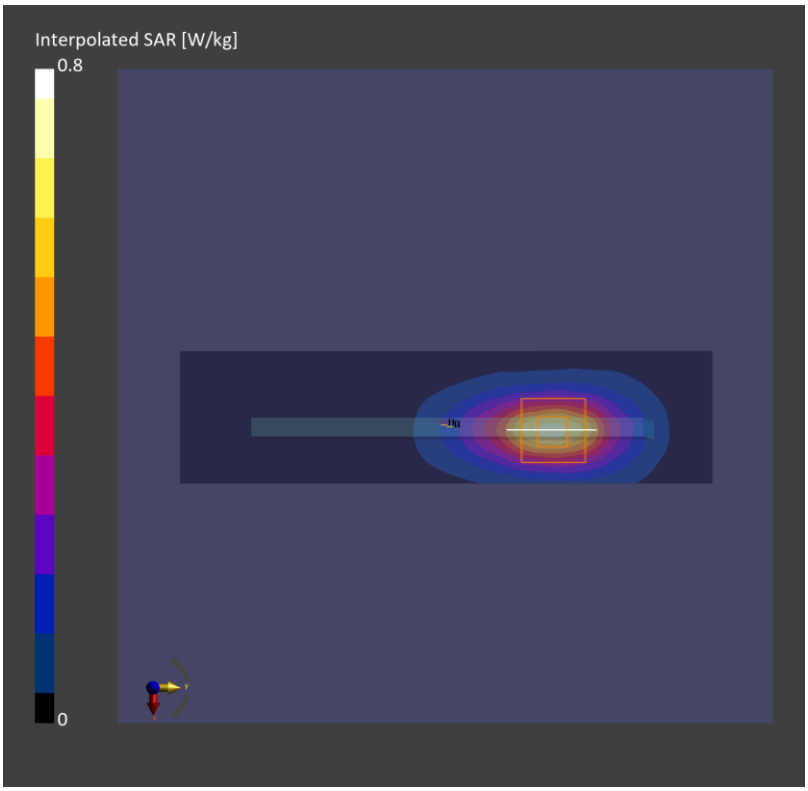
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.560	0.591
psSAR10g [W/Kg]	0.294	0.304
Power Drift [dB]		-0.00
M2/M1 [%]		78.8
Dist 3dB Peak [mm]		9.6



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-10

Measurement Report for SM-F956U, EDGE BOTTOM, Band n70, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz), Channel 340500 (1702.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band n70	5G NR FR1 FDD, 10938-AAC	1702.500	8.61	1.35	39.3

Hardware Setup

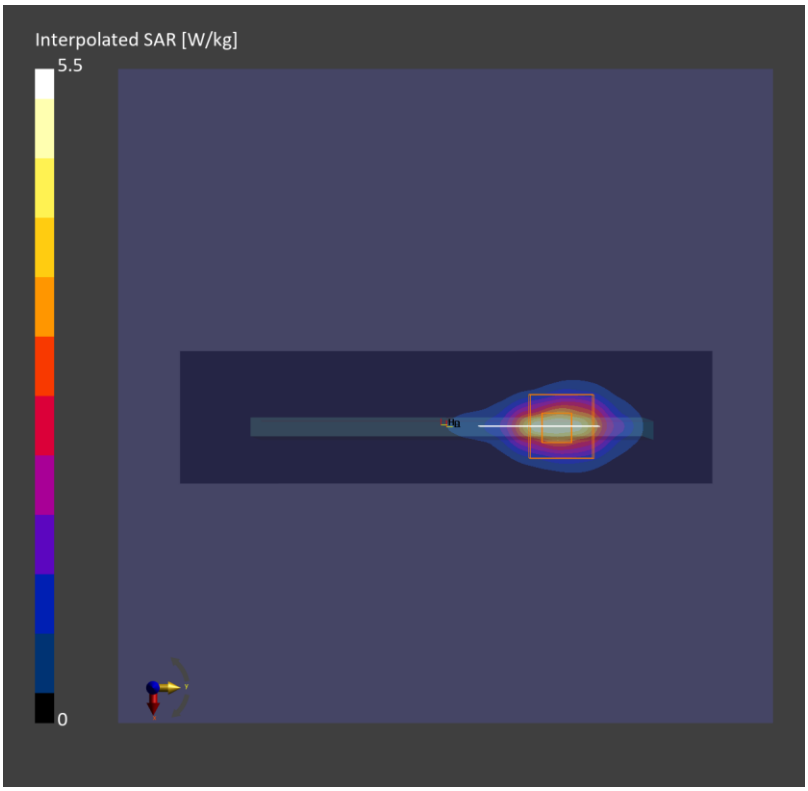
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	2.9 x 2.9 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.93	3.72
psSAR10g [W/Kg]	1.74	1.57
Power Drift [dB]		-0.02
M2/M1 [%]		63.1
Dist 3dB Peak [mm]		4.1



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band n70, 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz), Channel 340500 (1702.5 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band n70	5G NR FR1 FDD, 10946-AAC	1702.5	8.61	1.35	39.3

Hardware Setup

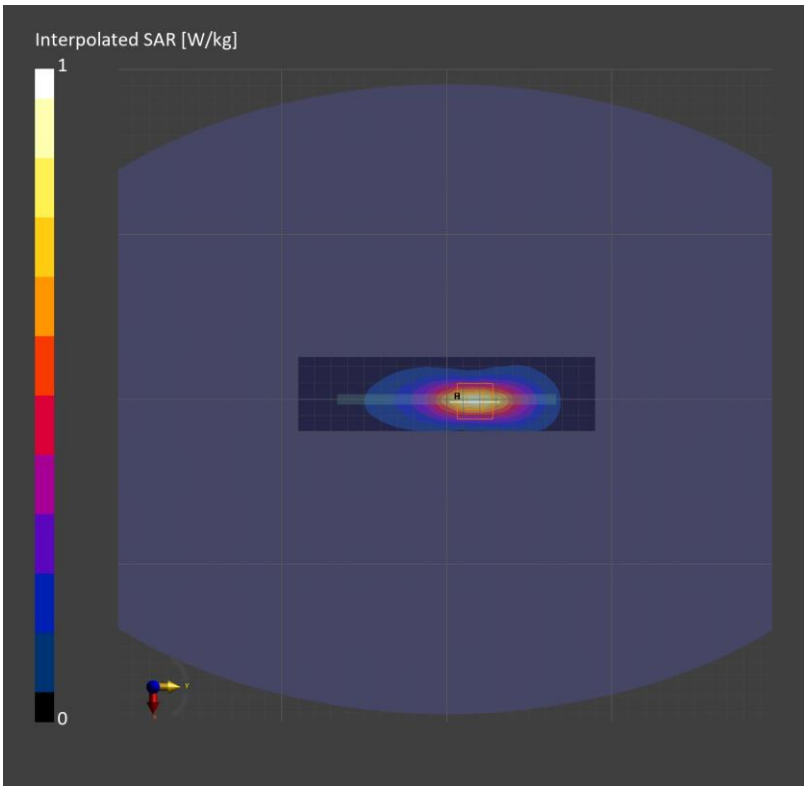
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.700	0.716
psSAR10g [W/Kg]	0.368	0.367
Power Drift [dB]		0.00
M2/M1 [%]		78.3
Dist 3dB Peak [mm]		8.4



UL Korea, Ltd. Suwon Laboratory SAR#4
Date/Time:2024-04-11

Measurement Report for SM-F956U, EDGE TOP, Band n70, 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz), Channel 340500 (1702.5 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band n70	5G NR FR1 FDD, 10946-AAC	1702.5	8.61	1.35	39.3

Hardware Setup

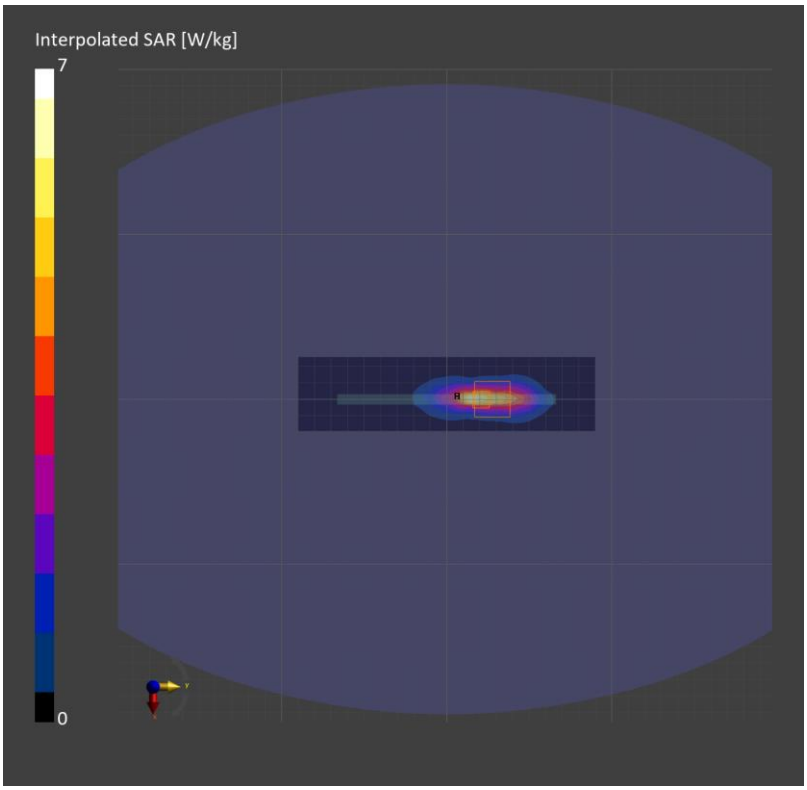
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2111	HBBL-600-10000	EX3DV4 - SN7376, 2023-07-25	DAE4 Sn1447, 2024-03-13

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 15.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	4.34	4.65
psSAR10g [W/Kg]	1.93	1.78
Power Drift [dB]		-0.13
M2/M1 [%]		61.9
Dist 3dB Peak [mm]		4.5



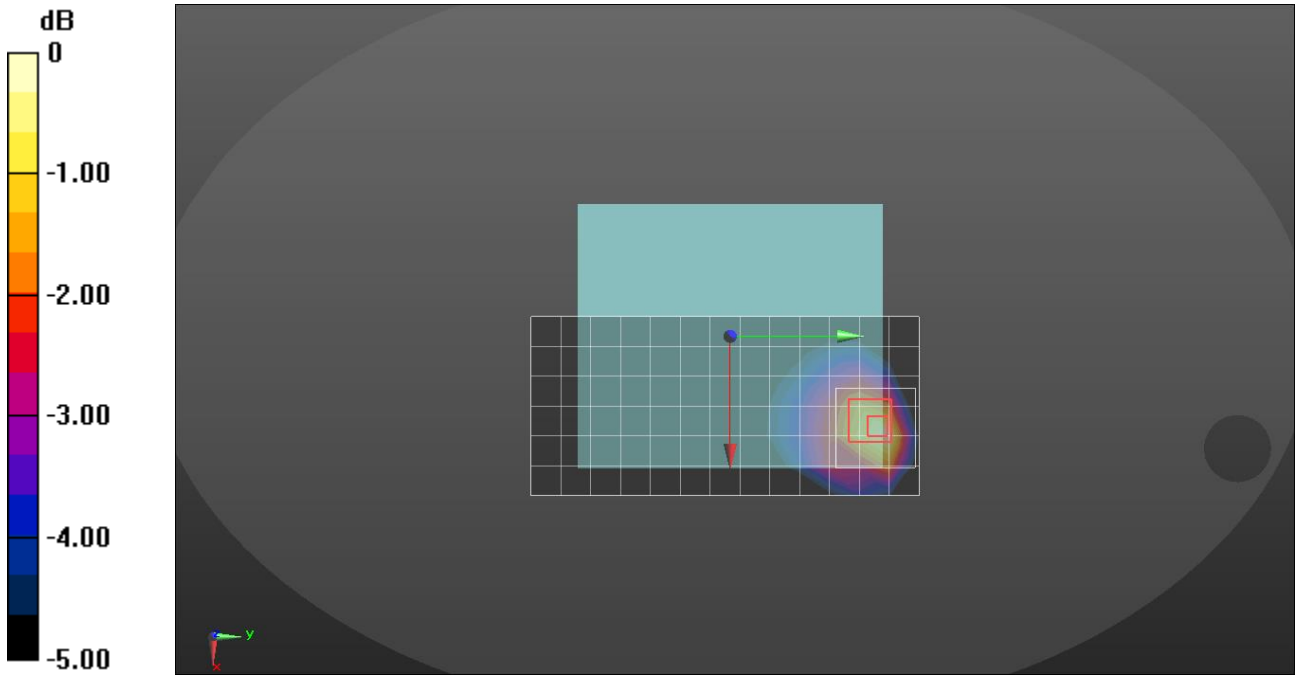
NR Band n71

Frequency: 680.5 MHz; Communication System Channel Number: 136100; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.888 S/m; ε_r = 40.808; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 680.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 50/28 ch.136100/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.591 W/kg

Rear/QPSK RB 50/28 ch.136100/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.17 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.234 W/kg
Smallest distance from peaks to all points 3 dB below = 14.8 mm
Ratio of SAR at M2 to SAR at M1 = 46.9%
Maximum value of SAR (measured) = 0.620 W/kg



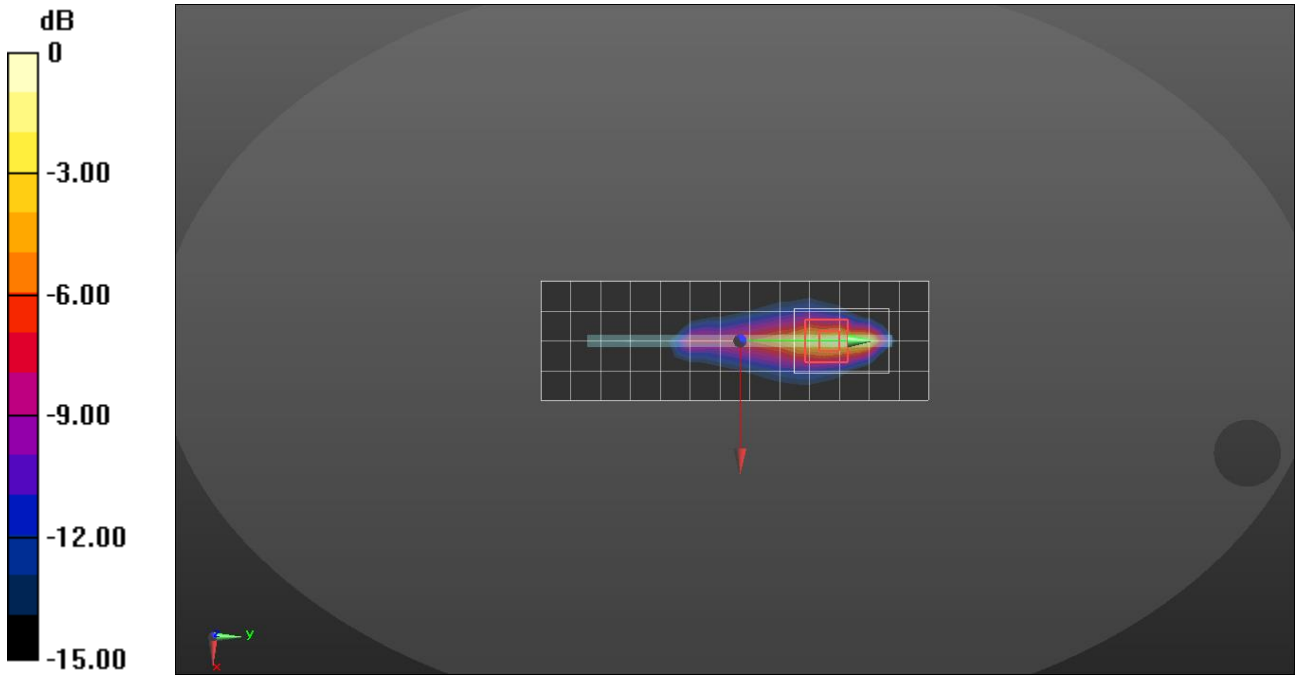
NR Band n71

Frequency: 680.5 MHz; Communication System Channel Number: 136100; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.888 S/m; ε_r = 40.808; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 680.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/QPSK RB 50/28 ch.136100/Area Scan (14x5x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.0 W/kg

Right/QPSK RB 50/28 ch.136100/Zoom Scan (5x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 80.00 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 20.4 W/kg
SAR(1 g) = 4.25 W/kg; SAR(10 g) = 1.61 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 18.6%
Maximum value of SAR (measured) = 12.6 W/kg



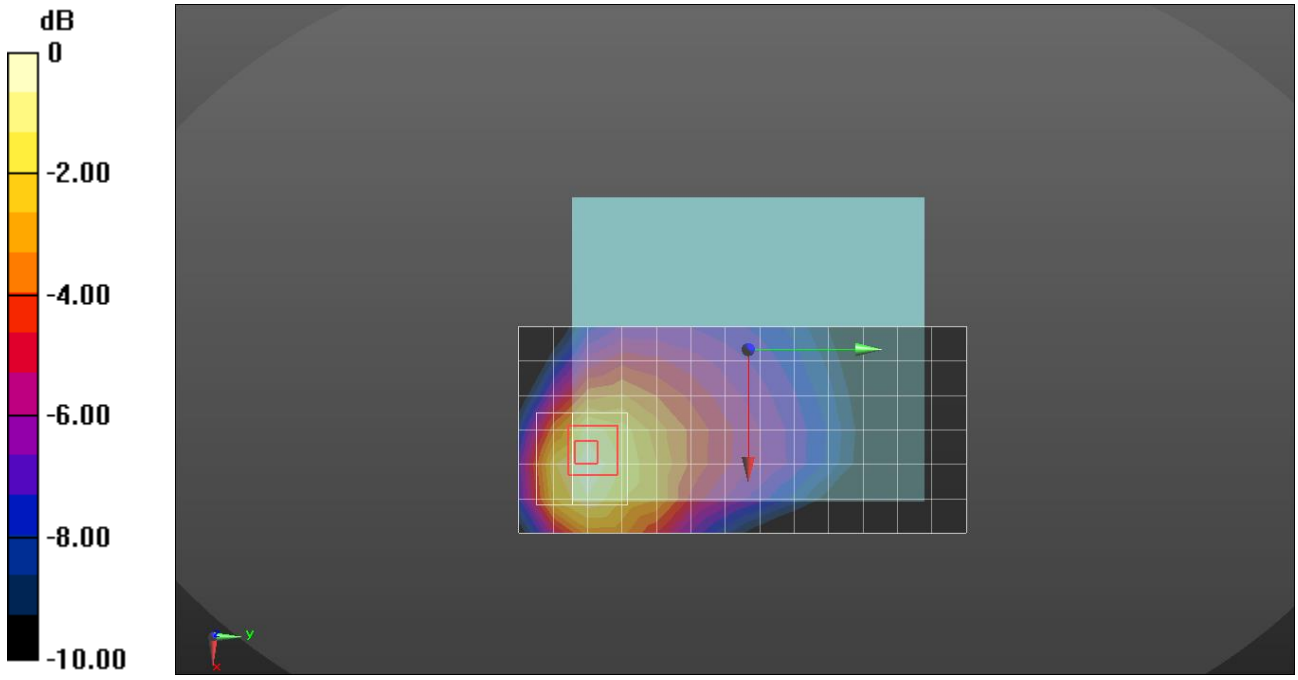
NR Band n71

Frequency: 680.5 MHz; Communication System Channel Number: 136100; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.888 S/m; ε_r = 40.808; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(10.28, 10.28, 10.28) @ 680.5 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/QPSK RB 50/28 ch.136100/Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.412 W/kg

Rear/QPSK RB 50/28 ch.136100/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.59 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.556 W/kg
SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.169 W/kg
Smallest distance from peaks to all points 3 dB below = 14.3 mm
Ratio of SAR at M2 to SAR at M1 = 48.4%
Maximum value of SAR (measured) = 0.431 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#9
Date/Time:2024-04-15

Measurement Report for SM-F956U, FRONT, Band n71, 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz), Channel 136100 (680.5 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	FRONT, 0.00	Band n71	5G NR FR1 FDD, 10939-AAC	680.5	10.3	0.879	42.1

Hardware Setup

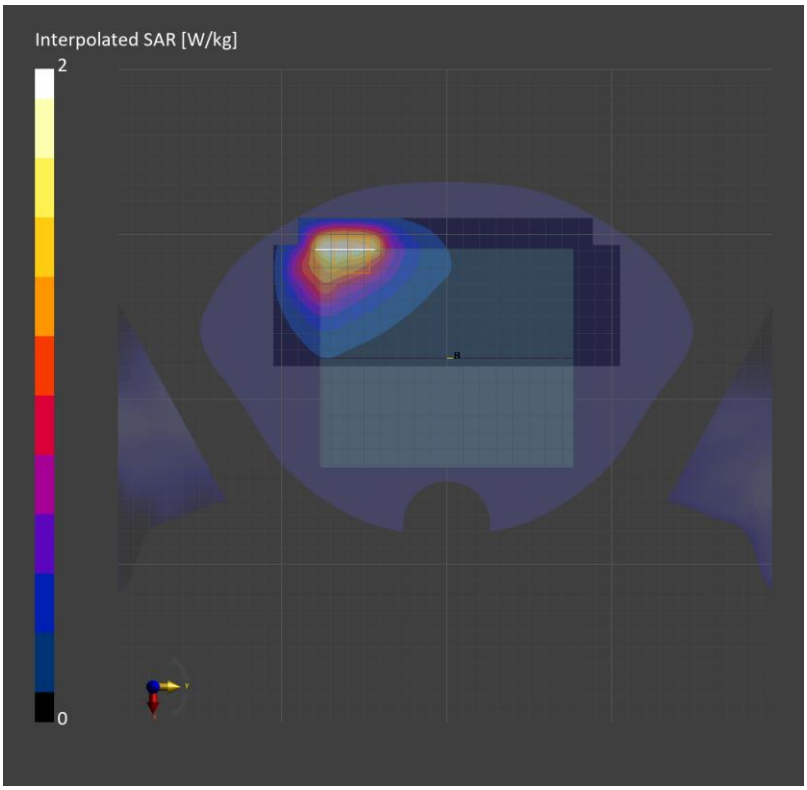
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2037	HBBL-600-10000	EX3DV4 - SN7330, 2024-01-22	DAE4 Sn474, 2023-11-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 210.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.59	2.32
psSAR10g [W/Kg]	1.04	1.06
Power Drift [dB]		-0.05
M2/M1 [%]		55.6
Dist 3dB Peak [mm]		4.8



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE TOP, Band n41, 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz), Channel 518598 (2593.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Band n41	5G NR FR1 TDD, 10917-AAD	2593.0	7.11	1.94	40.1

Hardware Setup

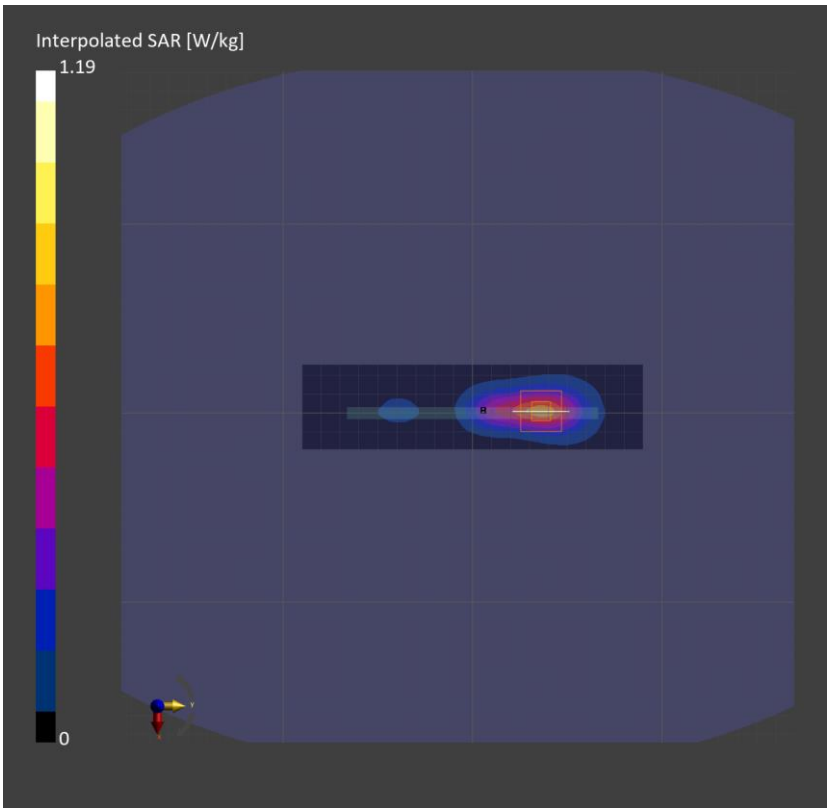
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.576	0.589
psSAR10g [W/Kg]	0.272	0.286
Power Drift [dB]		0.12
M2/M1 [%]		79.2
Dist 3dB Peak [mm]		9.0



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-10

Measurement Report for SM-F956U, EDGE TOP, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz), Channel 518598 (2593.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2593.0	7.11	1.94	40.1

Hardware Setup

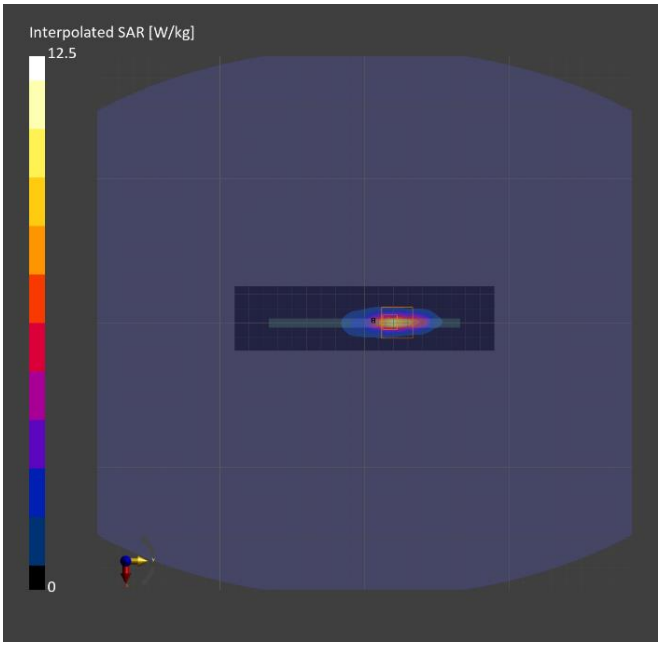
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.21	6.22
psSAR10g [W/Kg]	2.24	2.07
Power Drift [dB]		0.03
M2/M1 [%]		56.4
Dist 3dB Peak [mm]		4.0



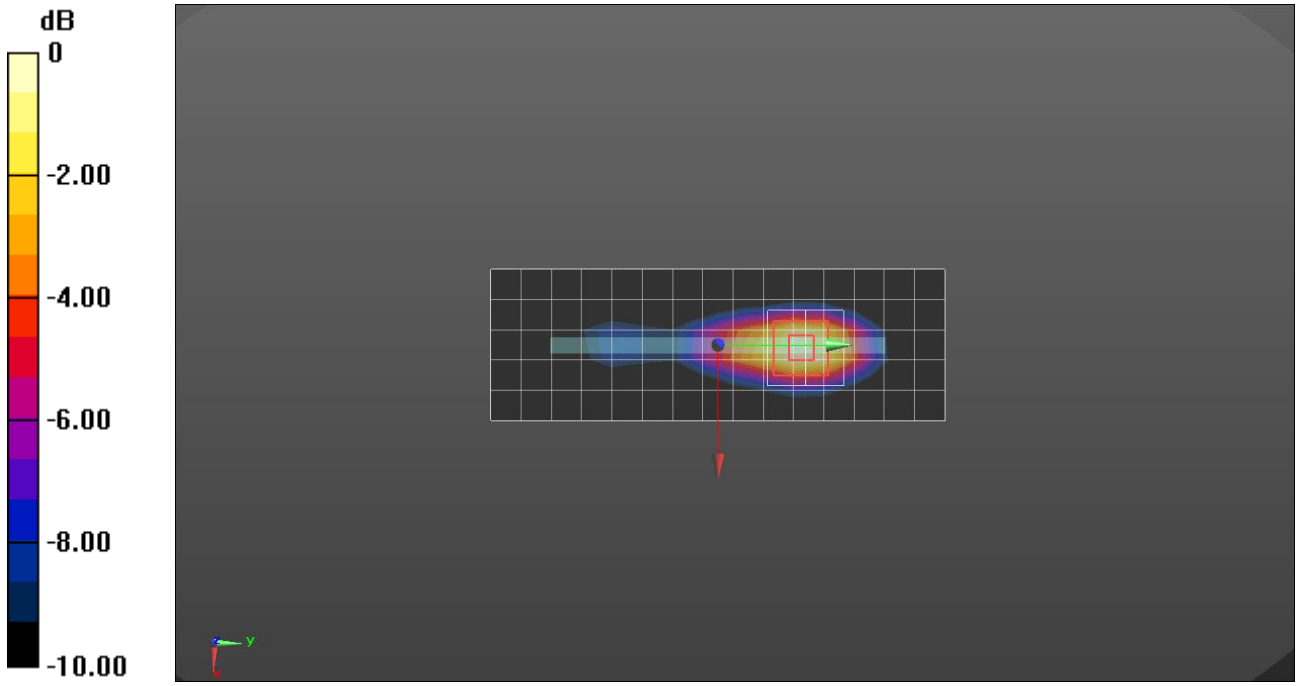
NR Band n41(Voice/Data/SRS0)

Frequency: 2592.99 MHz; Communication System Channel Number: 518598; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2592.99 MHz; σ = 1.907 S/m; ε_r = 38.925; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.2, 7.2, 7.2) @ 2592.99 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/QPSK RB 1/1 ch.518598/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.968 W/kg

Bottom/QPSK RB 1/1 ch.518598/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.28 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.326 W/kg
Smallest distance from peaks to all points 3 dB below = 8.9 mm
Ratio of SAR at M2 to SAR at M1 = 43.1%
Maximum value of SAR (measured) = 1.31 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-15

Measurement Report for SM-F956U, EDGE BOTTOM, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz), Channel 518598 (2593.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2593.0	6.73	1.96	38.7

Hardware Setup

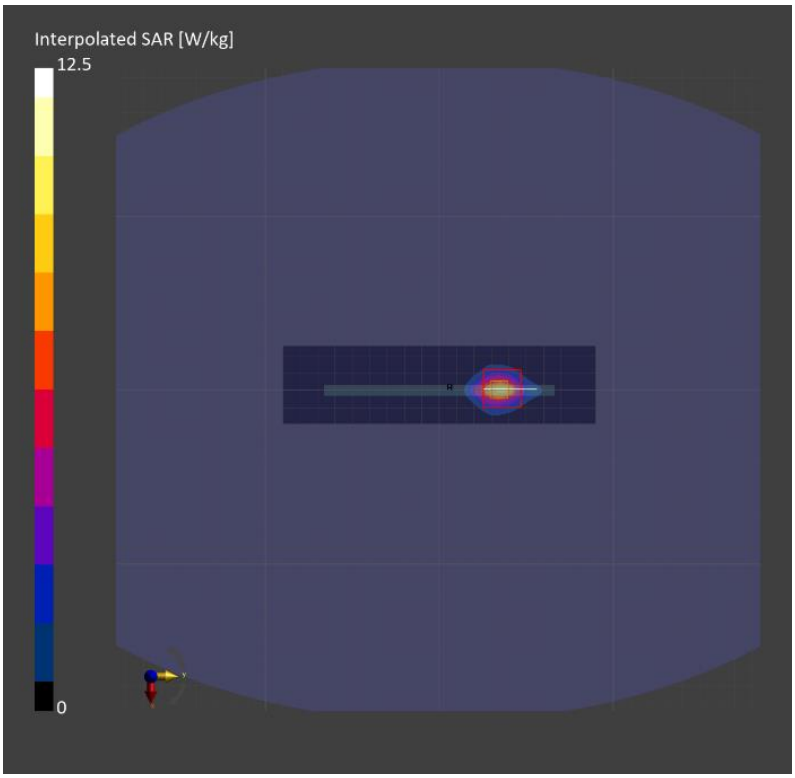
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7645, 2023-09-20	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	6.98	6.77
psSAR10g [W/Kg]	2.69	2.63
Power Drift [dB]		0.01
M2/M1 [%]		63.3
Dist 3dB Peak [mm]		4.4



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-20

Measurement Report for SM-F956U, BACK, Custom Band, CW, Channel 2593000 (2593.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 10.00	Custom Band	CW, 0--	2593.0	7.11	1.91	39.8

Hardware Setup

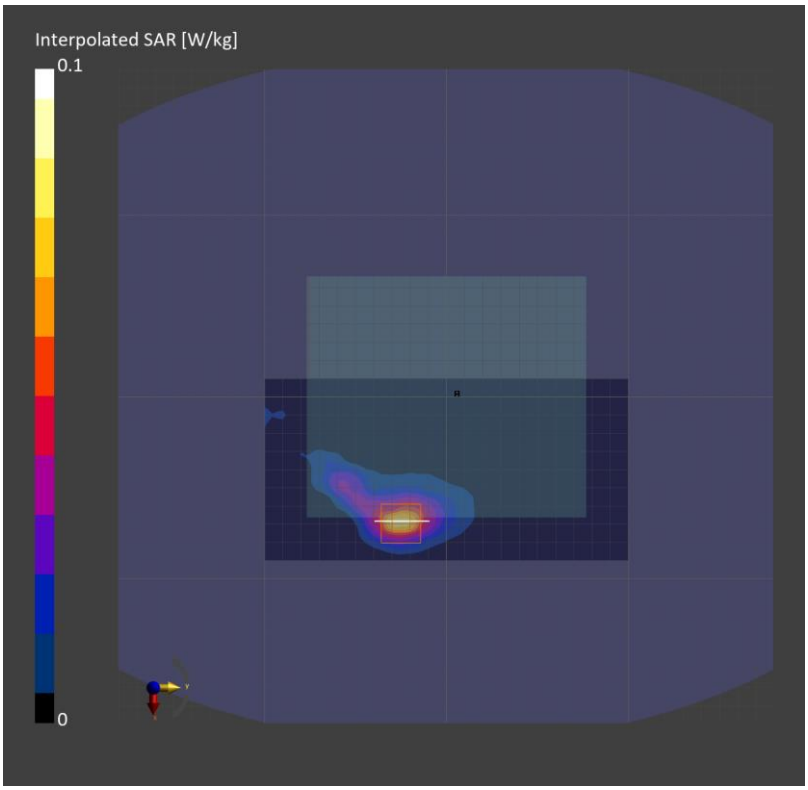
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.061	0.060
psSAR10g [W/Kg]	0.028	0.025
Power Drift [dB]		0.08
M2/M1 [%]		81.4
Dist 3dB Peak [mm]		6.4



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-20

Measurement Report for SM-F956U, EDGE RIGHT, Custom Band, CW, Channel 2593000 (2593.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE RIGHT, 0.00	Custom Band	CW, 0--	2593.0	7.11	1.91	39.8

Hardware Setup

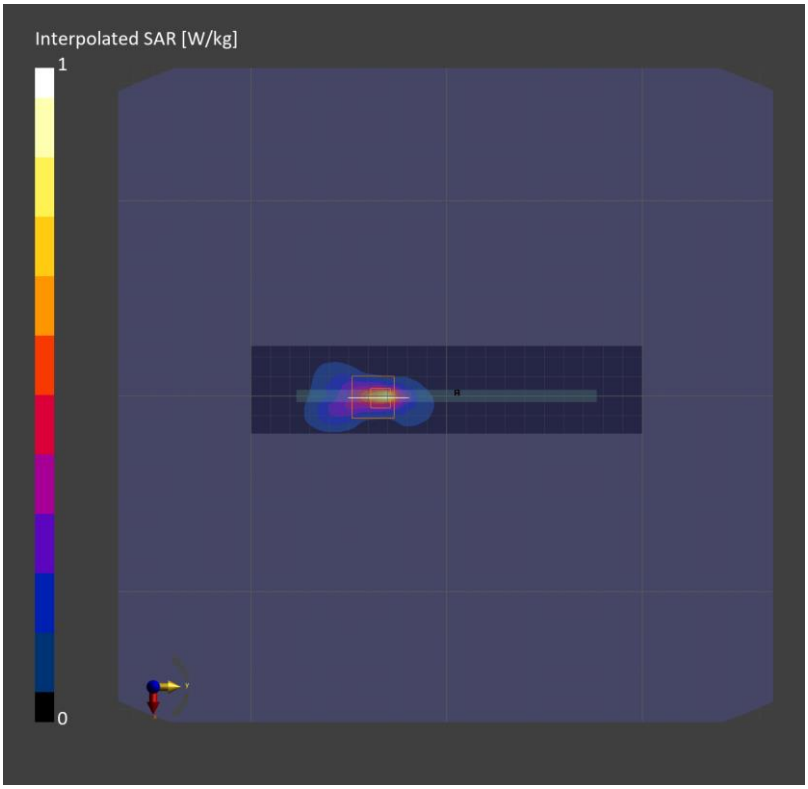
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	2.6 x 2.6 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.486	0.542
psSAR10g [W/Kg]	0.182	0.170
Power Drift [dB]		-0.17
M2/M1 [%]		61.0
Dist 3dB Peak [mm]		3.7



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-20

Measurement Report for SM-F956U, EDGE BOTTOM, Custom Band, CW, Channel 2593000 (2593.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Custom Band	CW, 0--	2593.0	7.11	1.91	39.8

Hardware Setup

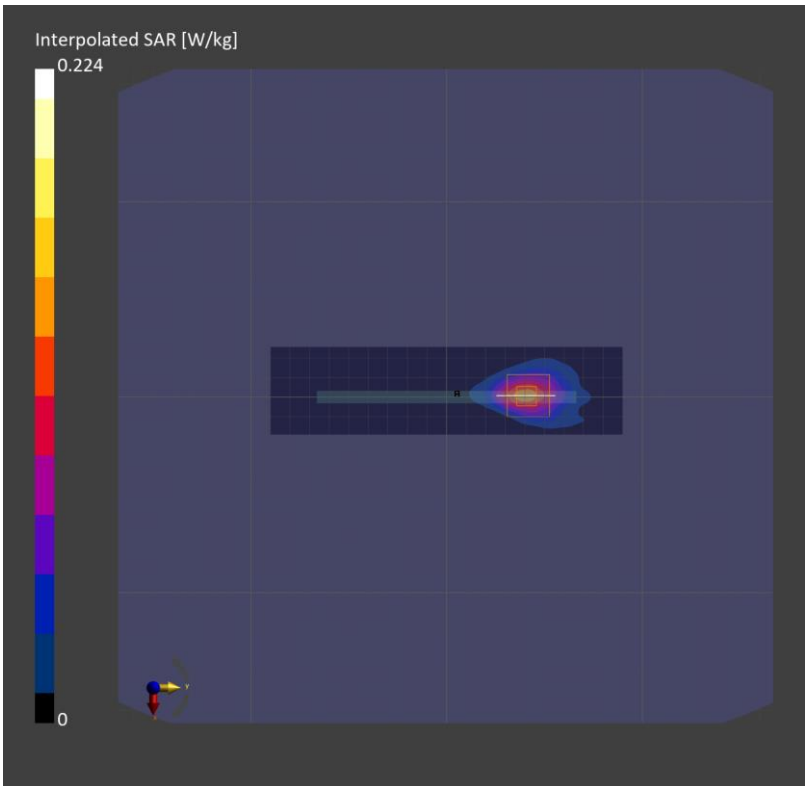
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.109	0.111
psSAR10g [W/Kg]	0.048	0.052
Power Drift [dB]		-0.19
M2/M1 [%]		81.9
Dist 3dB Peak [mm]		7.7



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-04-09

Measurement Report for SM-F956U, BACK, Custom Band, CW, Channel 2593000 (2593.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	Custom Band	CW, 0--	2593.0	7.11	1.94	40.1

Hardware Setup

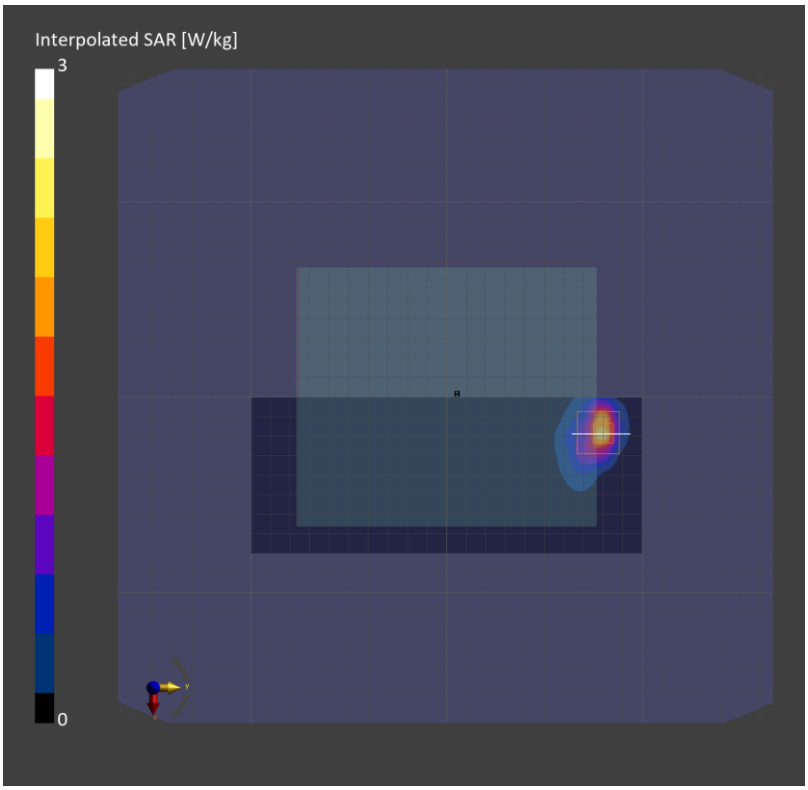
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7646, 2024-03-15	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.69	1.61
psSAR10g [W/Kg]	0.677	0.588
Power Drift [dB]		0.03
M2/M1 [%]		61.7
Dist 3dB Peak [mm]		4.0



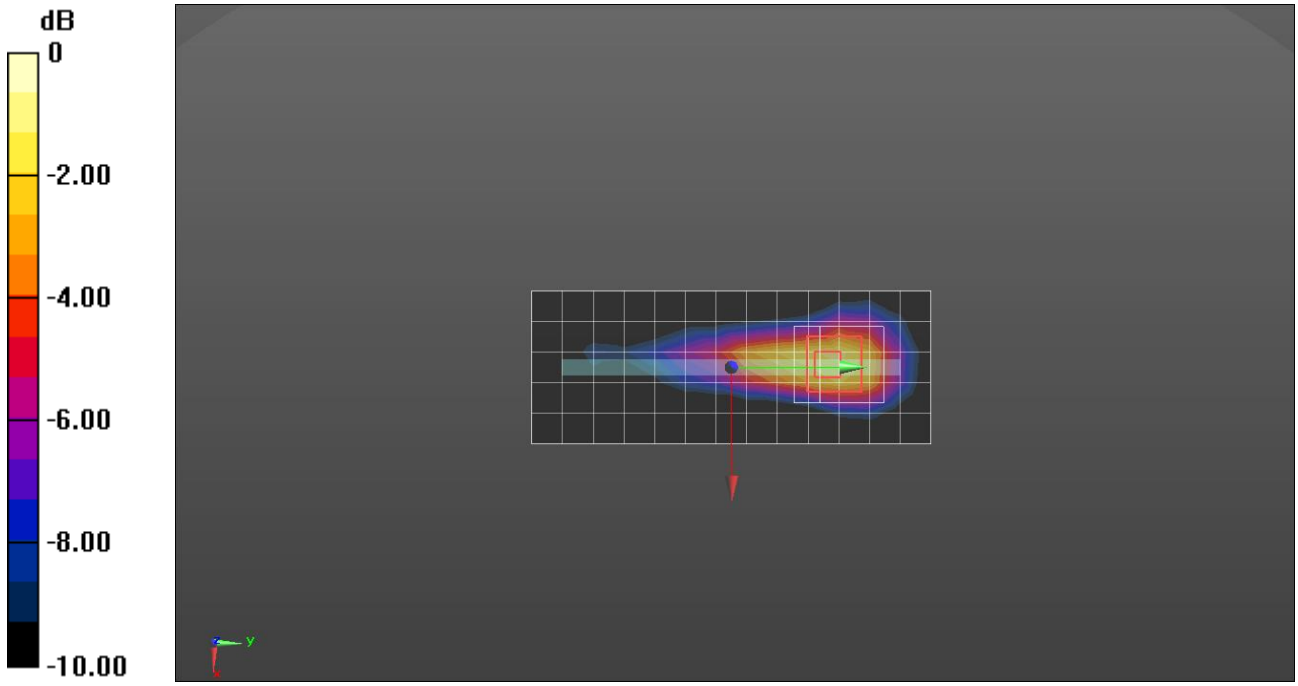
NR Band n48(Voice/Data/SRS0)

Frequency: 3680 MHz; Communication System Channel Number: 645332; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 3680 MHz; σ = 3.122 S/m; ε_r = 37.957; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(6.25, 6.57, 5.95) @ 3680 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top /QPSK RB 50/28 ch.645322/Area Scan (6x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.877 W/kg

Top /QPSK RB 50/28 ch.645322/Zoom Scan (7x8x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 17.33 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.280 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 76.1%
Maximum value of SAR (measured) = 1.10 W/kg



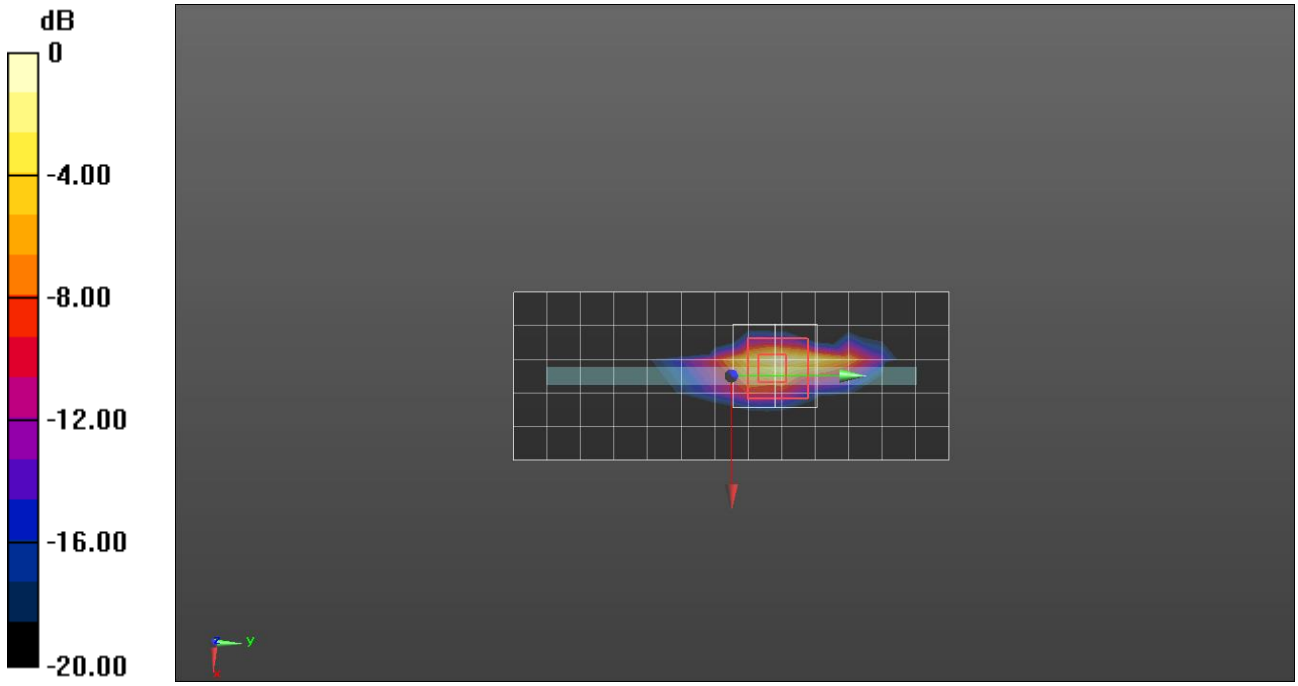
NR Band n48(Voice/Data/SRS0)

Frequency: 3680 MHz; Communication System Channel Number: 645332; Duty Cycle: 1:4.00037
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 3680 MHz; σ = 3.122 S/m; ε_r = 37.957; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(6.25, 6.57, 5.95) @ 3680 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 50/28 ch.645332/Area Scan (6x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 15.7 W/kg

Top/QPSK RB 50/28 ch.645332/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 52.21 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 51.0 W/kg
SAR(1 g) = 9.62 W/kg; SAR(10 g) = 2.59 W/kg
Smallest distance from peaks to all points 3 dB below = 4 mm
Ratio of SAR at M2 to SAR at M1 = 62.9%
Maximum value of SAR (measured) = 27.9 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09,

Measurement Report for SM-F956U, EDGE BOTTOM, Custom Band, CW, Channel 3570000 (3570.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Custom Band	CW, 0--	3570.0	6.66	2.93	38.3

Hardware Setup

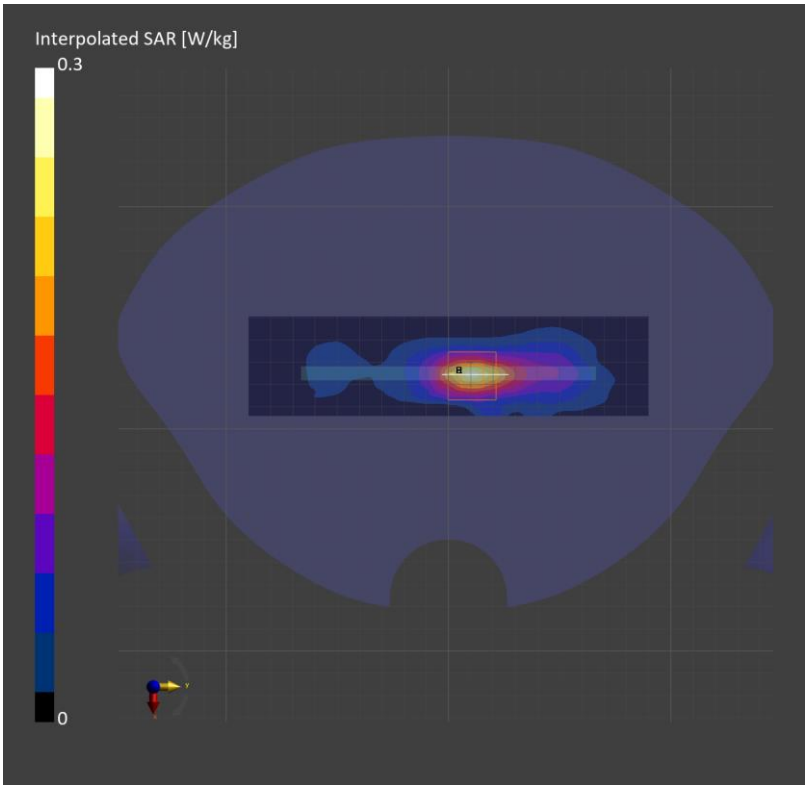
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.182	0.176
psSAR10g [W/Kg]	0.073	0.068
Power Drift [dB]		-0.18
M2/M1 [%]		74.4
Dist 3dB Peak [mm]		8.0



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE BOTTOM, Custom Band, CW, Channel 3570000 (3570.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Custom Band	CW, 0--	3570.0	6.66	2.93	38.3

Hardware Setup

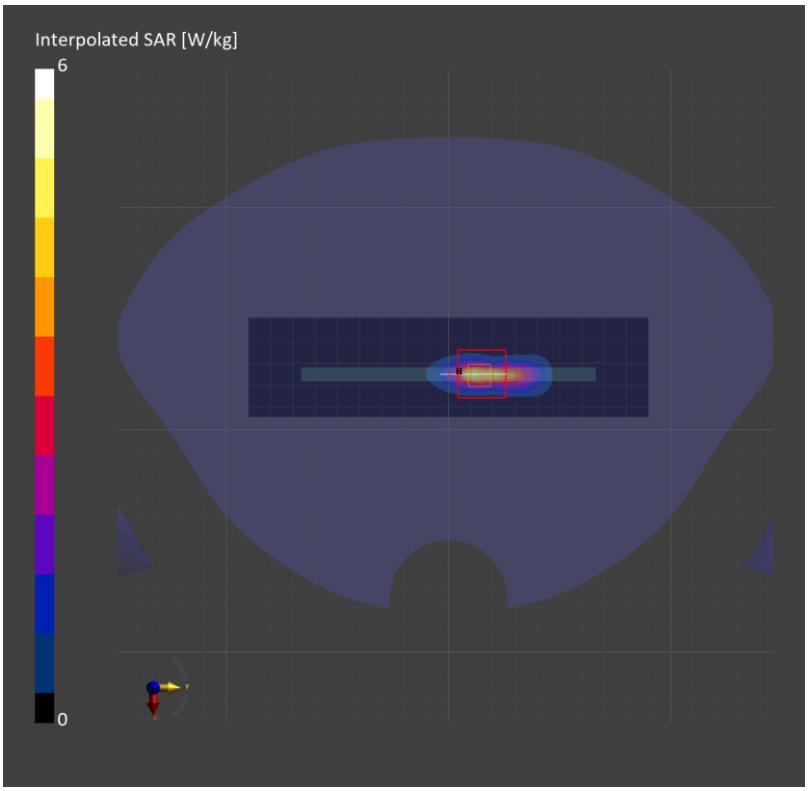
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.85	3.23
psSAR10g [W/Kg]	0.891	0.888
Power Drift [dB]		0.01
M2/M1 [%]		62.9
Dist 3dB Peak [mm]		4.0



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE TOP, Custom Band, CW, Channel 3625000 (3625.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Custom Band	CW, 0--	3625.0	6.44	2.98	38.2

Hardware Setup

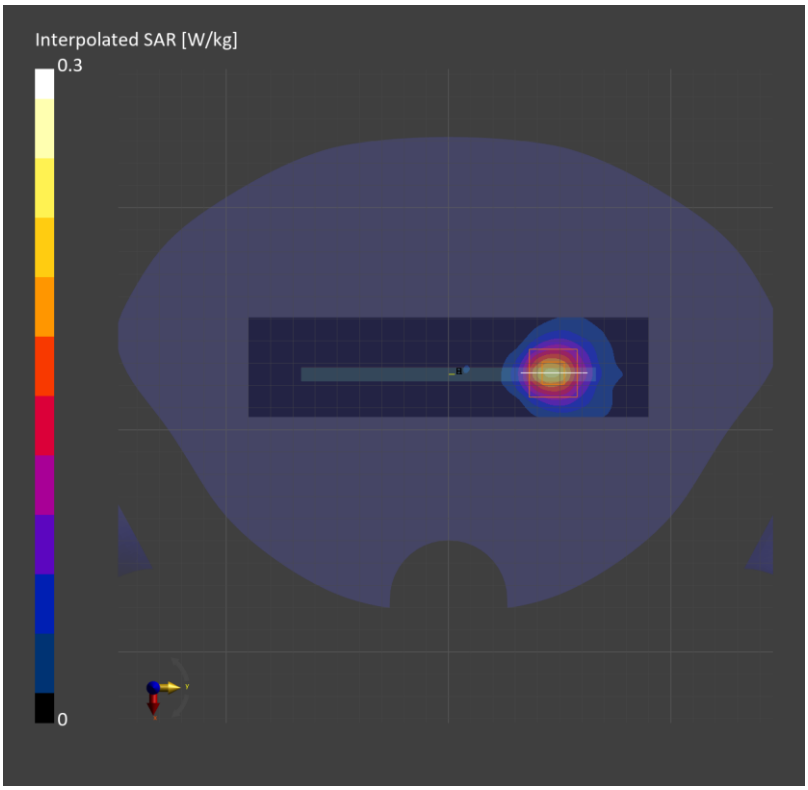
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.170	0.166
psSAR10g [W/Kg]	0.070	0.068
Power Drift [dB]		-0.13
M2/M1 [%]		75.4
Dist 3dB Peak [mm]		9.9



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE TOP, Custom Band, CW, Channel 3625000 (3625.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Custom Band	CW, 0--	3625.0	6.44	2.98	38.2

Hardware Setup

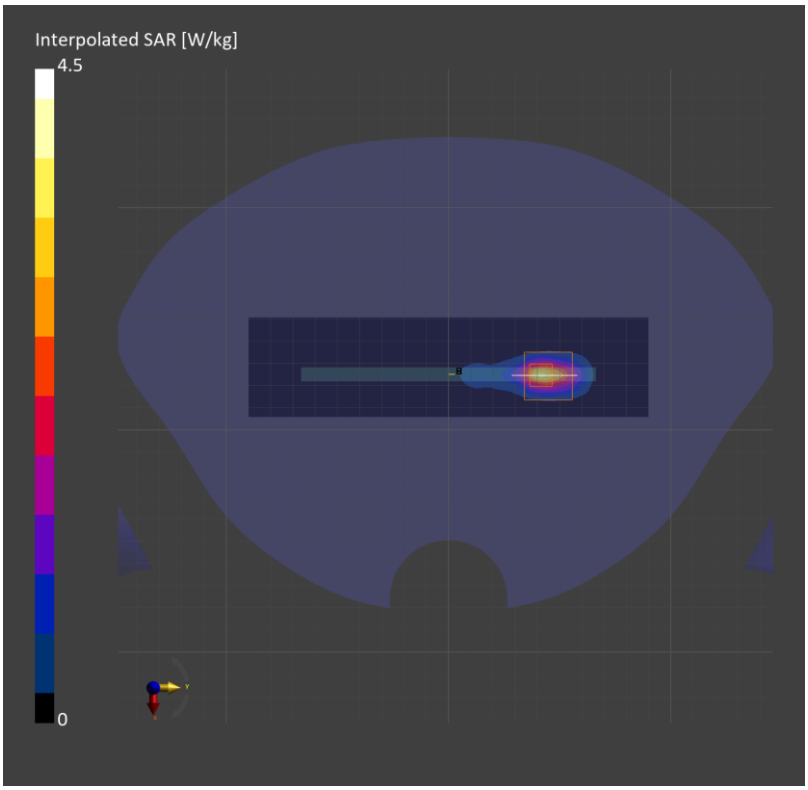
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	4.2 x 4.2 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.21	2.18
psSAR10g [W/Kg]	0.713	0.699
Power Drift [dB]		0.06
M2/M1 [%]		65.2
Dist 3dB Peak [mm]		5.1



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE RIGHT, Custom Band, CW, Channel 3570000 (3570.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE RIGHT, 10.00	Custom Band	CW, 0--	3570.0	6.66	2.93	38.3

Hardware Setup

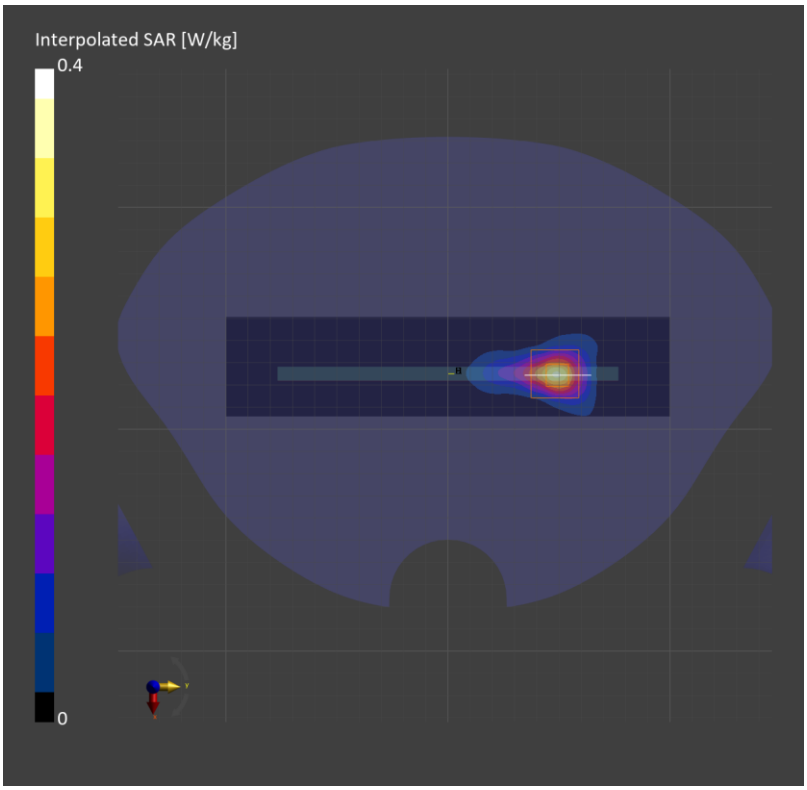
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.233	0.239
psSAR10g [W/Kg]	0.086	0.086
Power Drift [dB]		0.06
M2/M1 [%]		76.4
Dist 3dB Peak [mm]		7.7



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE BOTTOM, Custom Band, CW, Channel 3570000 (3570.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Custom Band	CW, 0--	3570.0	6.66	2.93	38.3

Hardware Setup

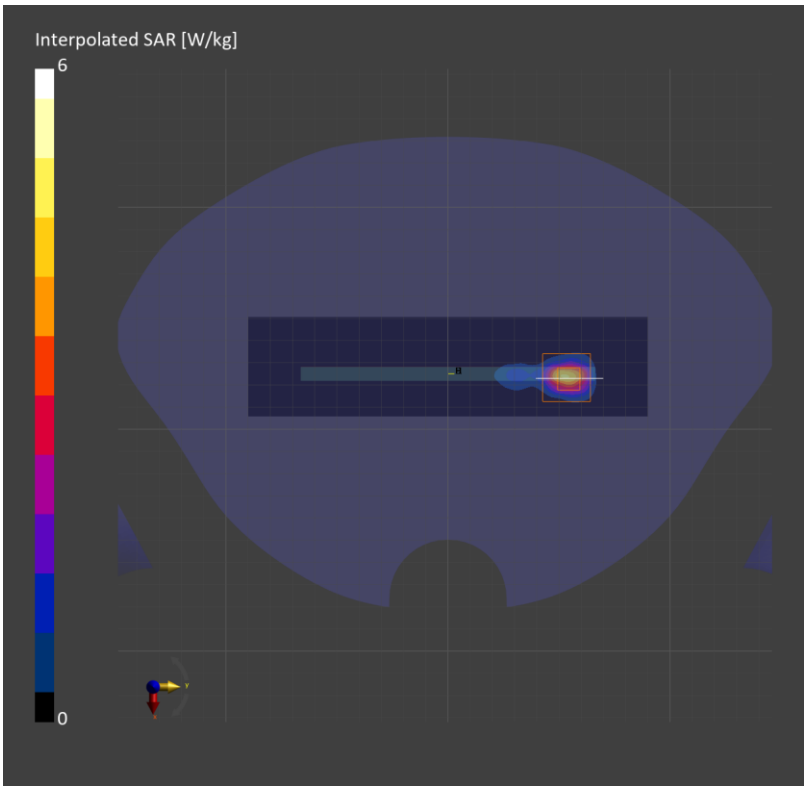
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.95	3.34
psSAR10g [W/Kg]	0.845	0.844
Power Drift [dB]		0.01
M2/M1 [%]		71.4
Dist 3dB Peak [mm]		4.6



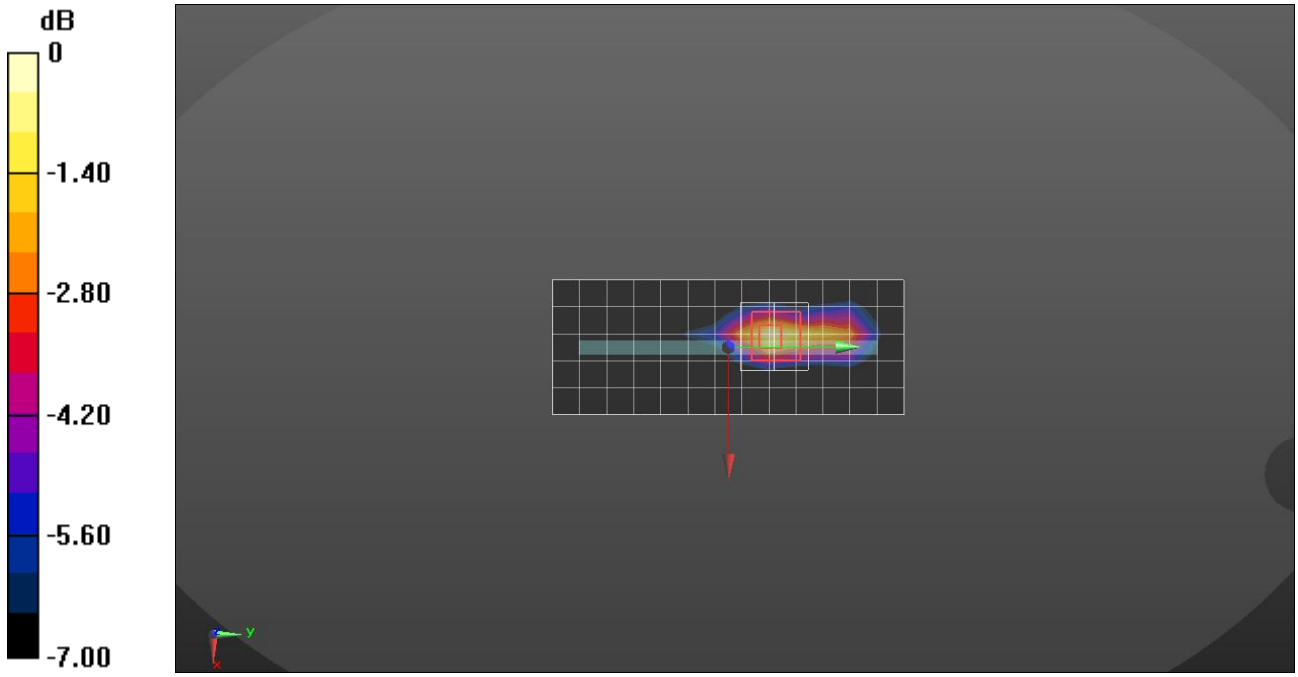
NR Band n77 (Voice/Data/SRS0)

Frequency: 3930 MHz; Communication System Channel Number: 662000; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 3930 MHz; σ = 3.38 S/m; ε_r = 37.236; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(6.36, 6.69, 6.04) @ 3930 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 1/1 ch.662000/Area Scan (6x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.14 W/kg

Top/QPSK RB 1/1 ch.662000/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 16.82 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.261 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 74.1%
Maximum value of SAR (measured) = 1.17 W/kg



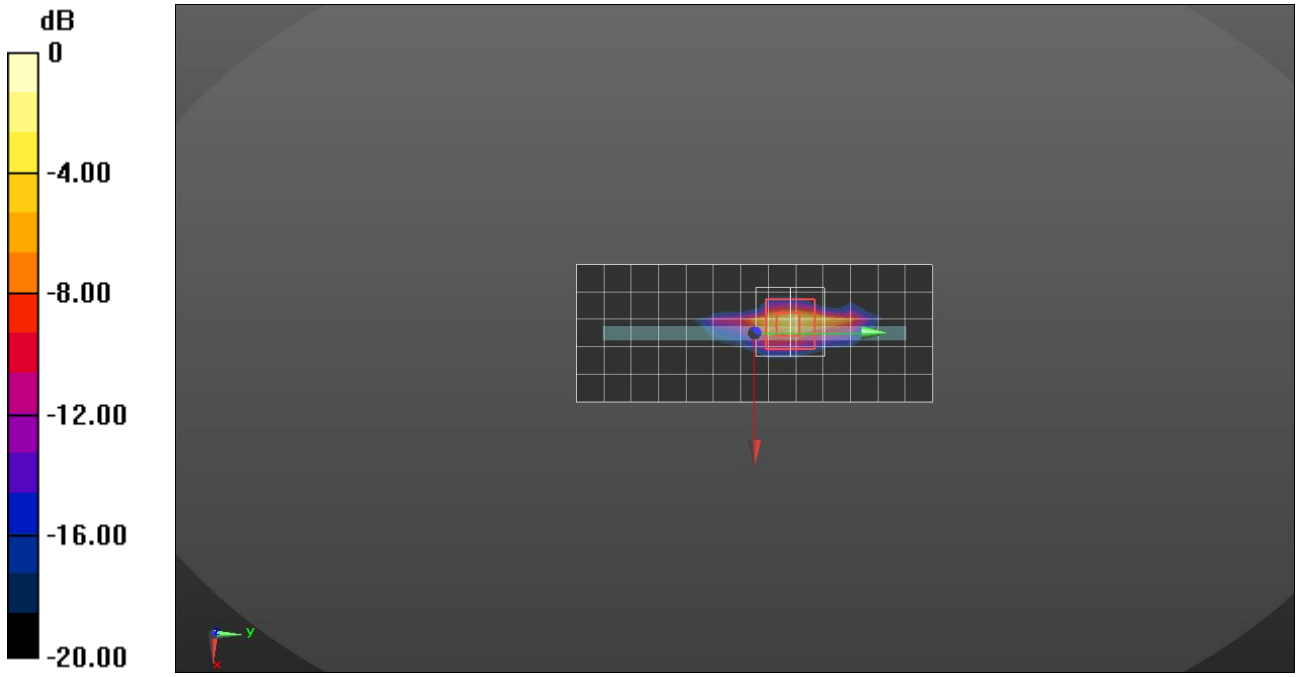
NR Band n77(Voice/Data/SRS0)

Frequency: 3750 MHz; Communication System Channel Number: 650000; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 3750 MHz; σ = 3.194 S/m; ε_r = 37.534; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(6.25, 6.57, 5.95) @ 3750 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/QPSK RB 135/0 ch.650000/Area Scan (6x14x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 16.8 W/kg

Top/QPSK RB 135/0 ch.650000/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 69.11 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 38.5 W/kg
SAR(1 g) = 8.8 W/kg; SAR(10 g) = 2.45 W/kg
Smallest distance from peaks to all points 3 dB below = 4.1 mm
Ratio of SAR at M2 to SAR at M1 = 67.5%
Maximum value of SAR (measured) = 22.1 W/kg



0 dB = 22.1 W/kg = 13.44 dBW/kg

UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE BOTTOM, Custom Band, CW, Channel 3930000 (3930.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 10.00	Custom Band	CW, 0--	3930.0	6.33	3.28	37.7

Hardware Setup

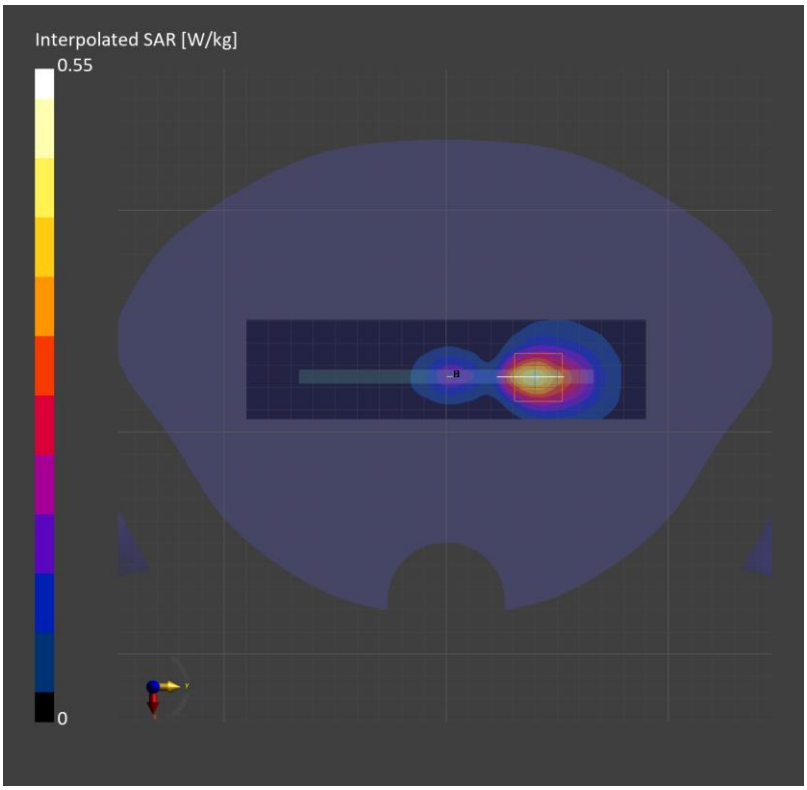
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.334	0.341
psSAR10g [W/Kg]	0.136	0.140
Power Drift [dB]		0.20
M2/M1 [%]		76.3
Dist 3dB Peak [mm]		9.3



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-10

Measurement Report for SM-F956U, EDGE BOTTOM, Custom Band, CW, Channel 3750000 (3750.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE BOTTOM, 0.00	Custom Band	CW, 0--	3750.0	6.44	3.10	38.0

Hardware Setup

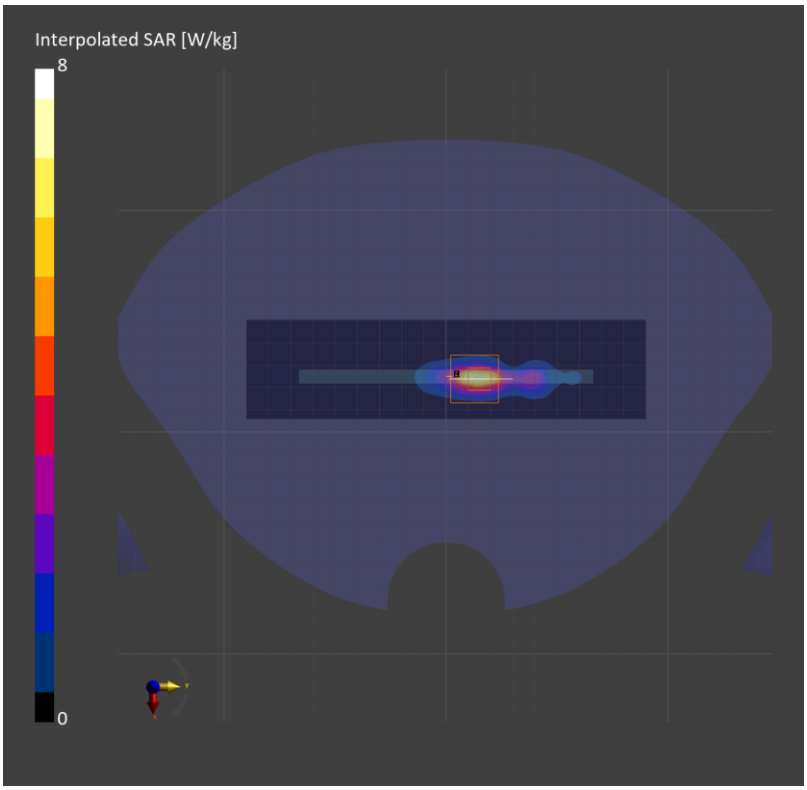
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	2.6 x 2.6 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	4.26	5.03
psSAR10g [W/Kg]	1.28	1.26
Power Drift [dB]		0.15
M2/M1 [%]		66.0
Dist 3dB Peak [mm]		4.3



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE TOP, Custom Band, CW, Channel 3930000 (3930.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 10.00	Custom Band	CW, 0--	3930.0	6.33	3.28	37.7

Hardware Setup

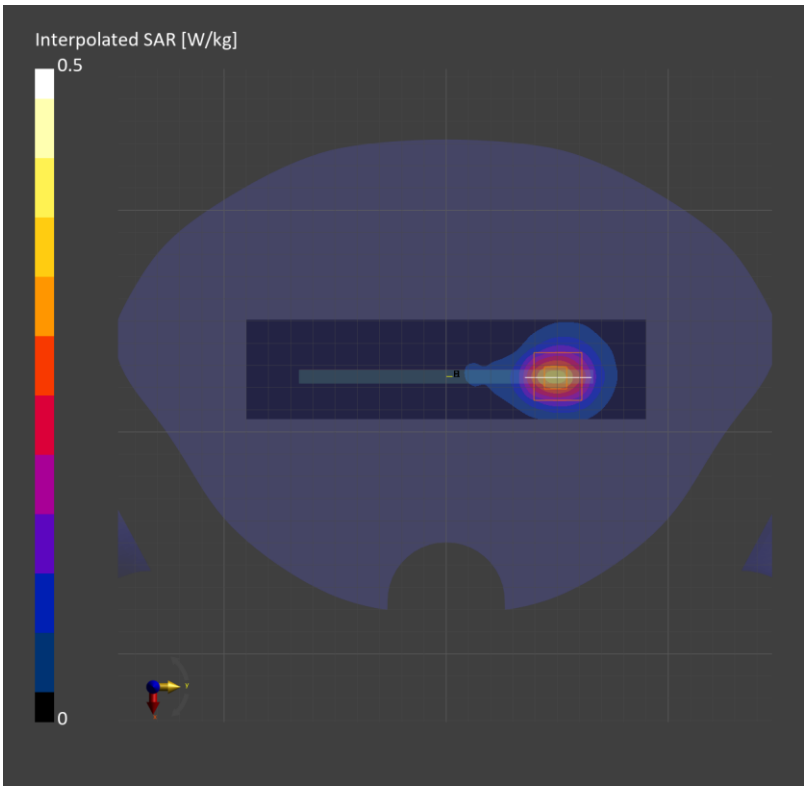
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	5.0 x 5.0 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.259	0.261
psSAR10g [W/Kg]	0.107	0.107
Power Drift [dB]		-0.03
M2/M1 [%]		74.0
Dist 3dB Peak [mm]		10.0



UL Korea, Ltd. Suwon Laboratory SAR#17
Date/Time:2024-04-09

Measurement Report for SM-F956U, EDGE TOP, Custom Band, CW, Channel 3930000 (3930.0 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	Custom Band	CW, 0--	3930.0	6.33	3.28	37.7

Hardware Setup

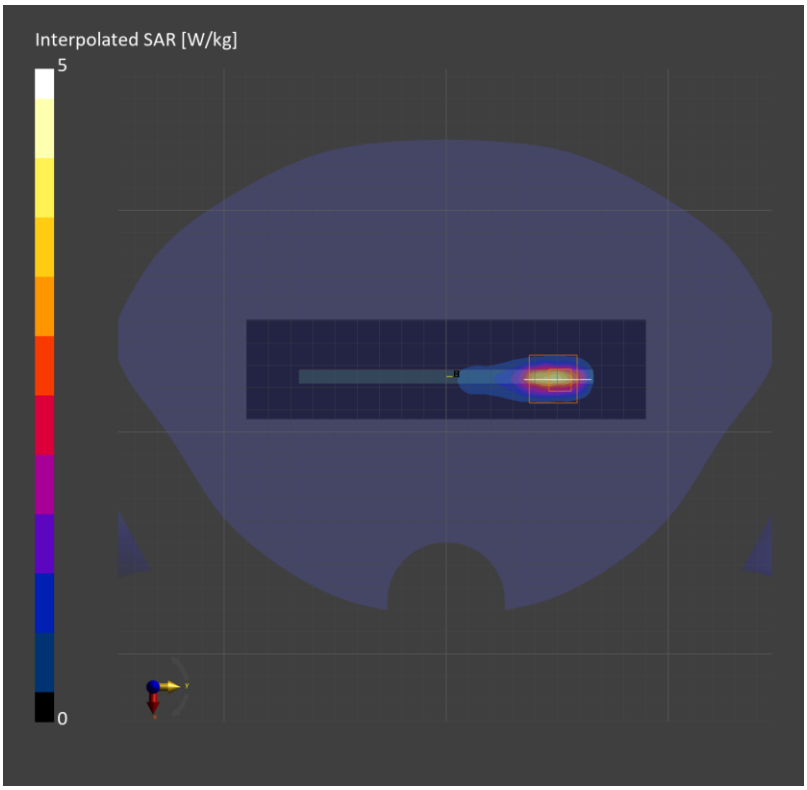
Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2046	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn1468, 2023-08-24

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	38.4 x 180.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	6.4 x 10.0	3.8 x 3.8 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.55	2.60
psSAR10g [W/Kg]	0.801	0.796
Power Drift [dB]		0.08
M2/M1 [%]		61.1
Dist 3dB Peak [mm]		4.6



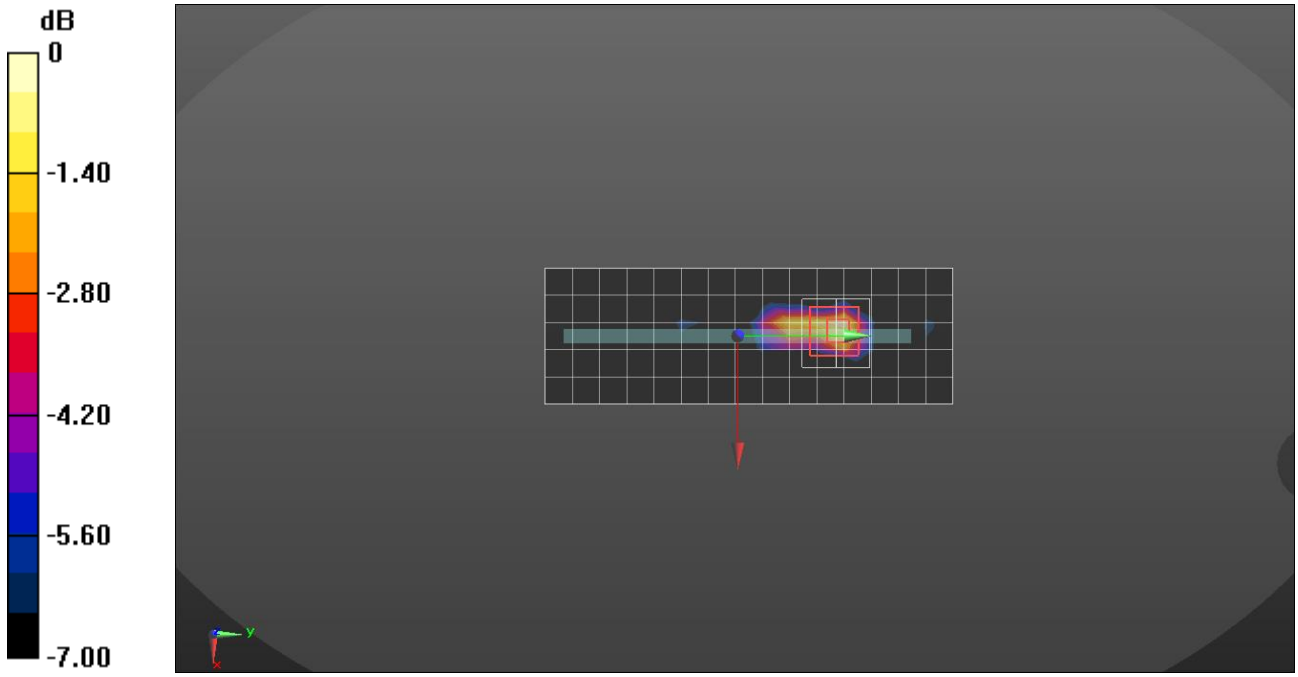
NR Band n77 (SRS1/SRS2/SRS3)

Frequency: 3750 MHz; Communication System Channel Number: 650000; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 3750 MHz; σ = 3.194 S/m; ε_r = 37.534; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(6.25, 6.57, 5.95) @ 3750 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/CW ch.650000/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.303 W/kg

Right/CW ch.650000/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 9.859 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.511 W/kg
SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.073 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 74.8%
Maximum value of SAR (measured) = 0.368 W/kg



0 dB = 0.303 W/kg = −5.19 dBW/kg

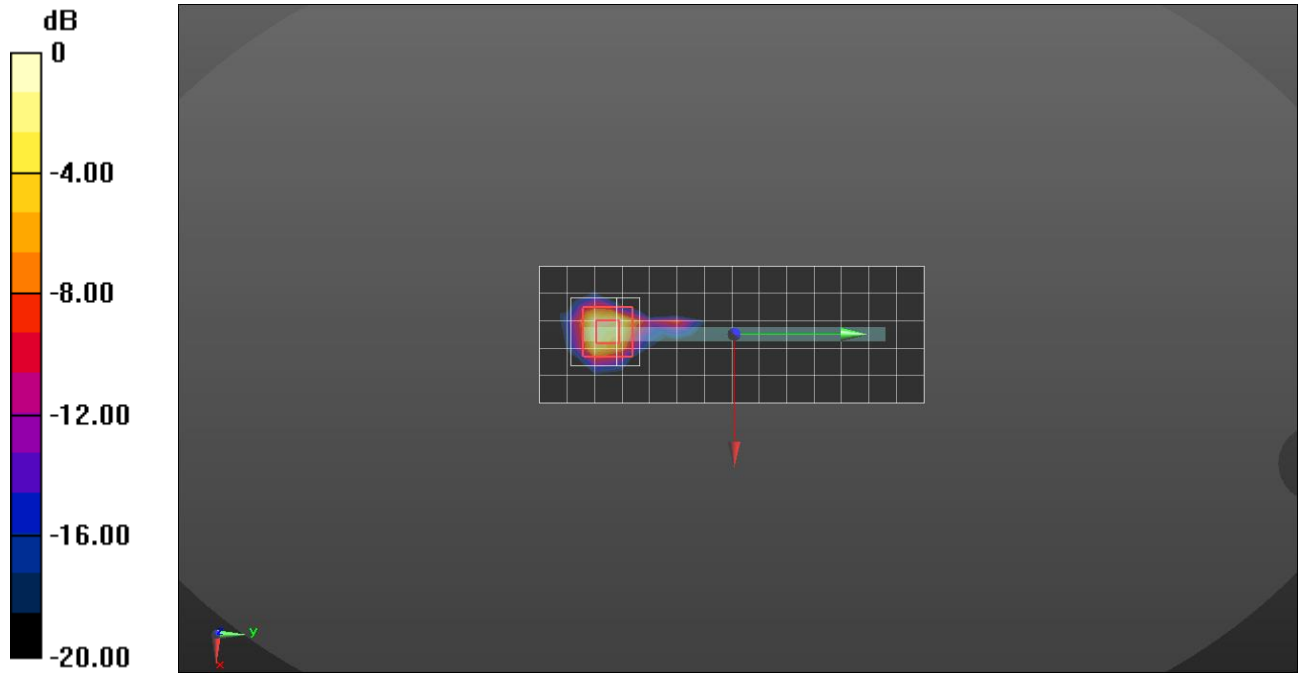
NR Band n77 (SRS1/SRS2/SRS3)

Frequency: 3750 MHz; Communication System Channel Number: 650000; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 3750 MHz; σ = 3.194 S/m; ε_r = 37.534; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(6.25, 6.57, 5.95) @ 3750 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bottom/CW ch.650000/Area Scan (6x15x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.18 W/kg

Bottom/CW ch.650000/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm
Reference Value = 29.70 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 3.3 W/kg; SAR(10 g) = 0.859 W/kg
Smallest distance from peaks to all points 3 dB below = 4 mm
Ratio of SAR at M2 to SAR at M1 = 62.5%
Maximum value of SAR (measured) = 7.99 W/kg



0 dB = 3.18 W/kg = 5.02 dBW/kg

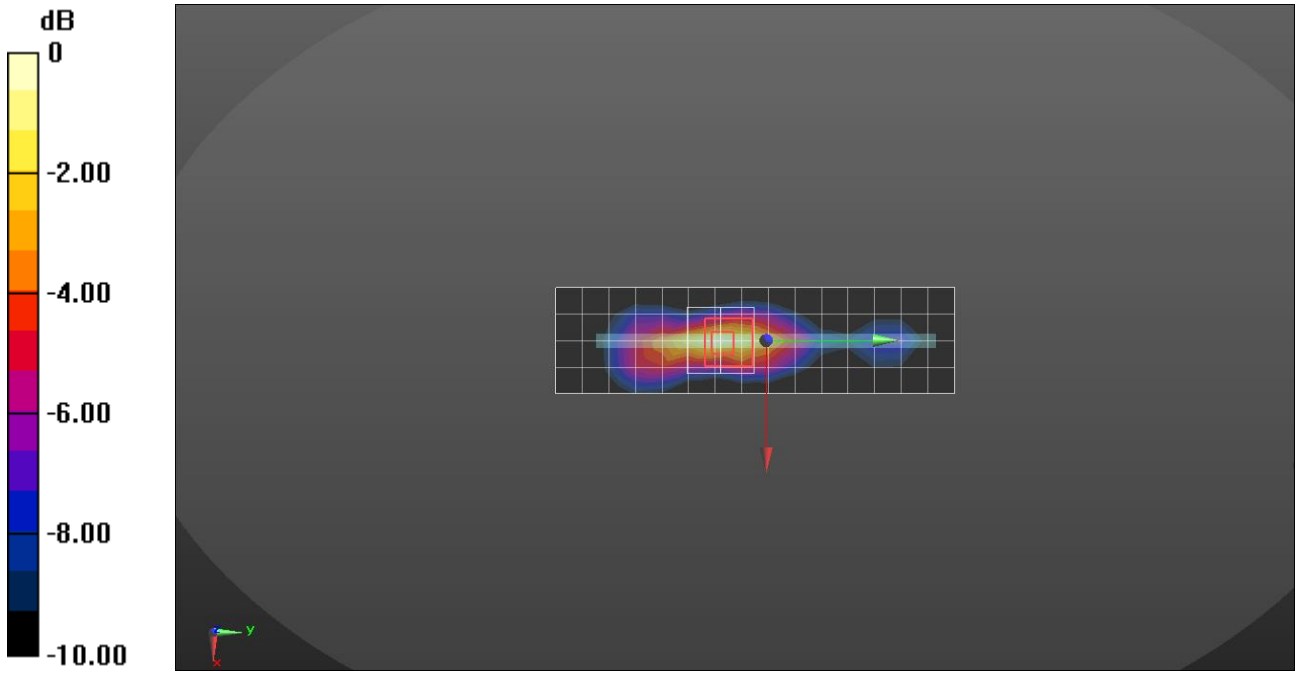
Wi-Fi 2.4GHz

Frequency: 2437 MHz; Communication System Channel Number: 6; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.806 S/m; ε_r = 38.52; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2437 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 b mode ch.6 SISO Ant.1/Area Scan (16x5x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.794 W/kg

Right/802.11 b mode ch.6 SISO Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.32 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.198 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 41.4%
Maximum value of SAR (measured) = 0.812 W/kg



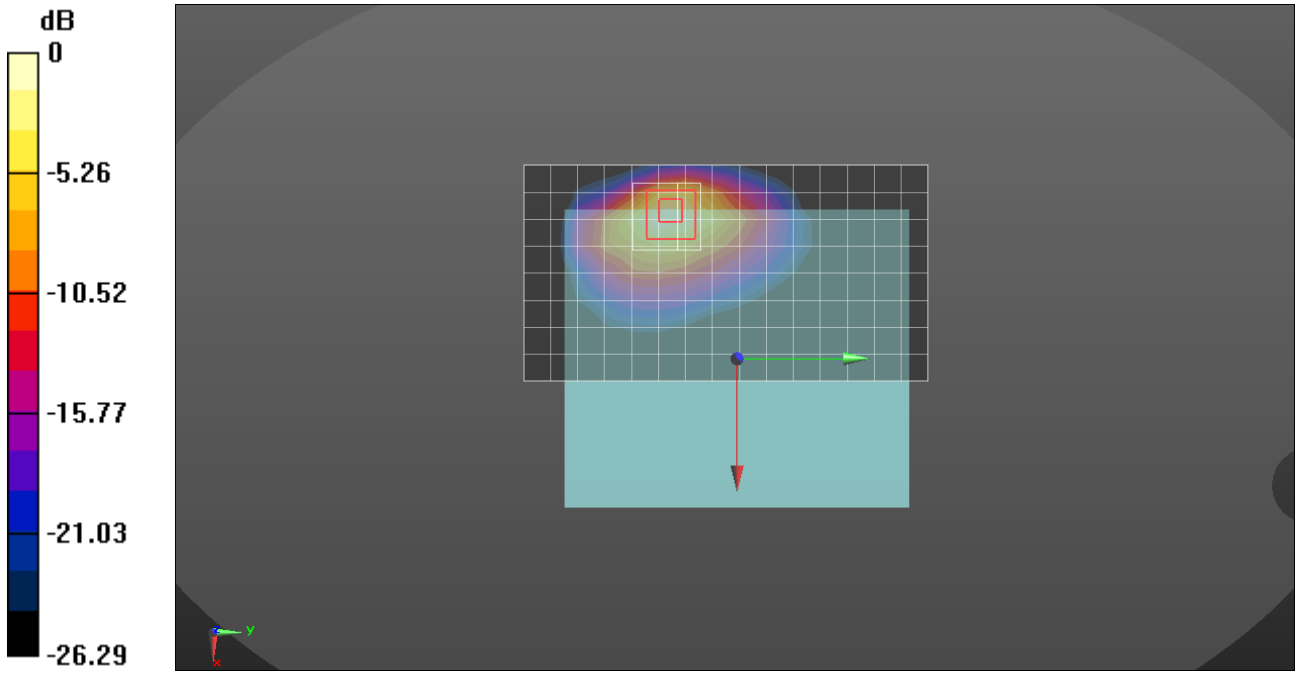
Wi-Fi 2.4GHz

Frequency: 2437 MHz; Communication System Channel Number: 6; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.806 S/m; ε_r = 38.52; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2437 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 b mode ch.6 SISO Ant.1/Area Scan (16x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.46 W/kg

Front/802.11 b mode ch.6 SISO Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.76 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 11.6 W/kg
SAR(1 g) = 3.31 W/kg; SAR(10 g) = 1.28 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 31.4%.
Maximum value of SAR (measured) = 6.97 W/kg



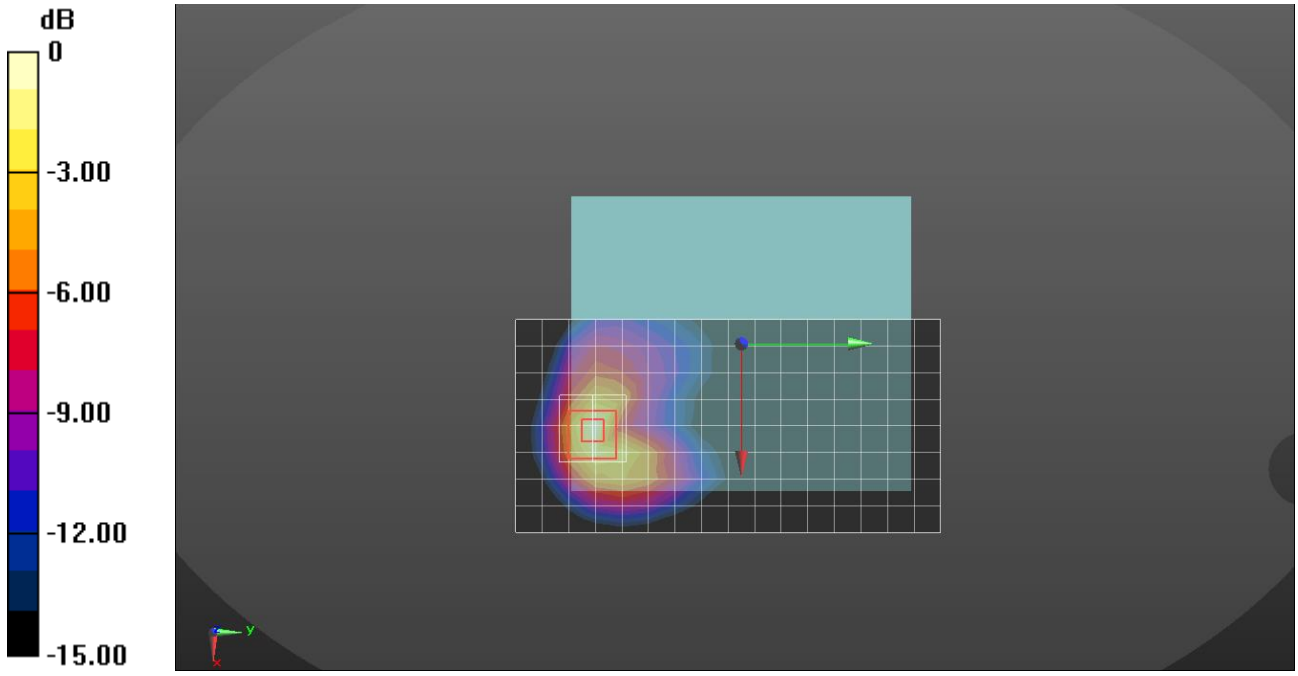
Wi-Fi 2.4GHz

Frequency: 2412 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.787 S/m; ε_r = 38.537; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 b mode ch.1 Ant.2/Area Scan (17x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.796 W/kg

Rear/802.11 b mode ch.1 Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.16 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.208 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 44.8%
Maximum value of SAR (measured) = 0.828 W/kg



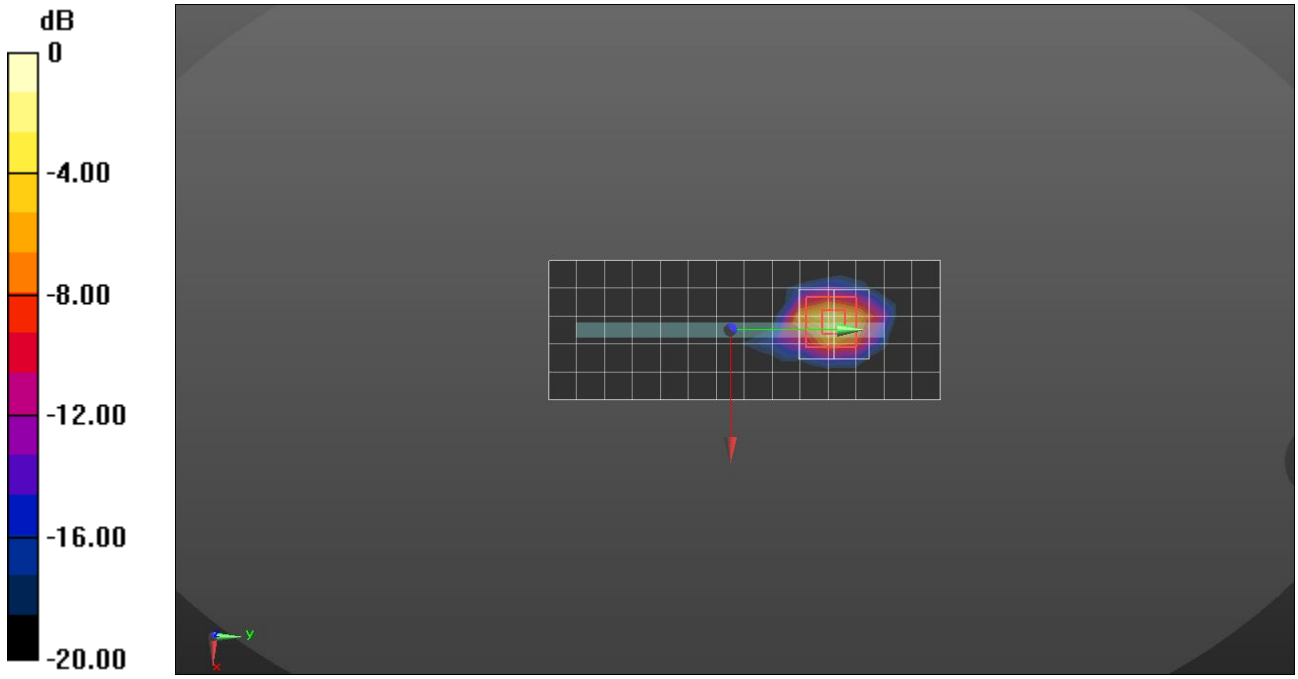
Wi-Fi 2.4GHz

Frequency: 2412 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.787 S/m; ε_r = 38.537; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 b mode ch.1 Ant.2/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 9.17 W/kg

Top/802.11 b mode ch.1 Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.00 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 20.1 W/kg
SAR(1 g) = 5.9 W/kg; SAR(10 g) = 2.1 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 29.8%
Maximum value of SAR (measured) = 13.8 W/kg



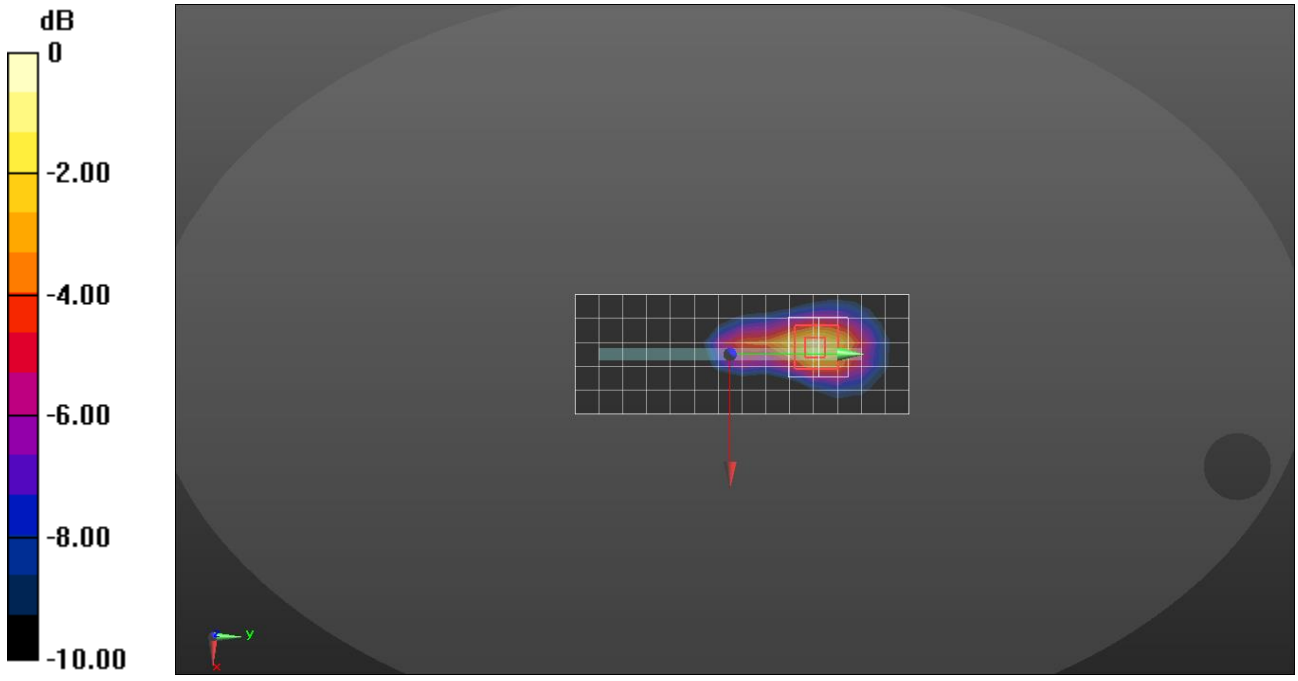
Wi-Fi 2.4GHz

Frequency: 2412 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.787 S/m; ε_r = 38.537; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 b mode ch.1 MIMO Ant.2/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.705 W/kg

Top/802.11 b mode ch.1 MIMO Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.37 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.205 W/kg
Smallest distance from peaks to all points 3 dB below = 9.2 mm
Ratio of SAR at M2 to SAR at M1 = 43.1%
Maximum value of SAR (measured) = 0.771 W/kg



Wi-Fi 2.4GHz

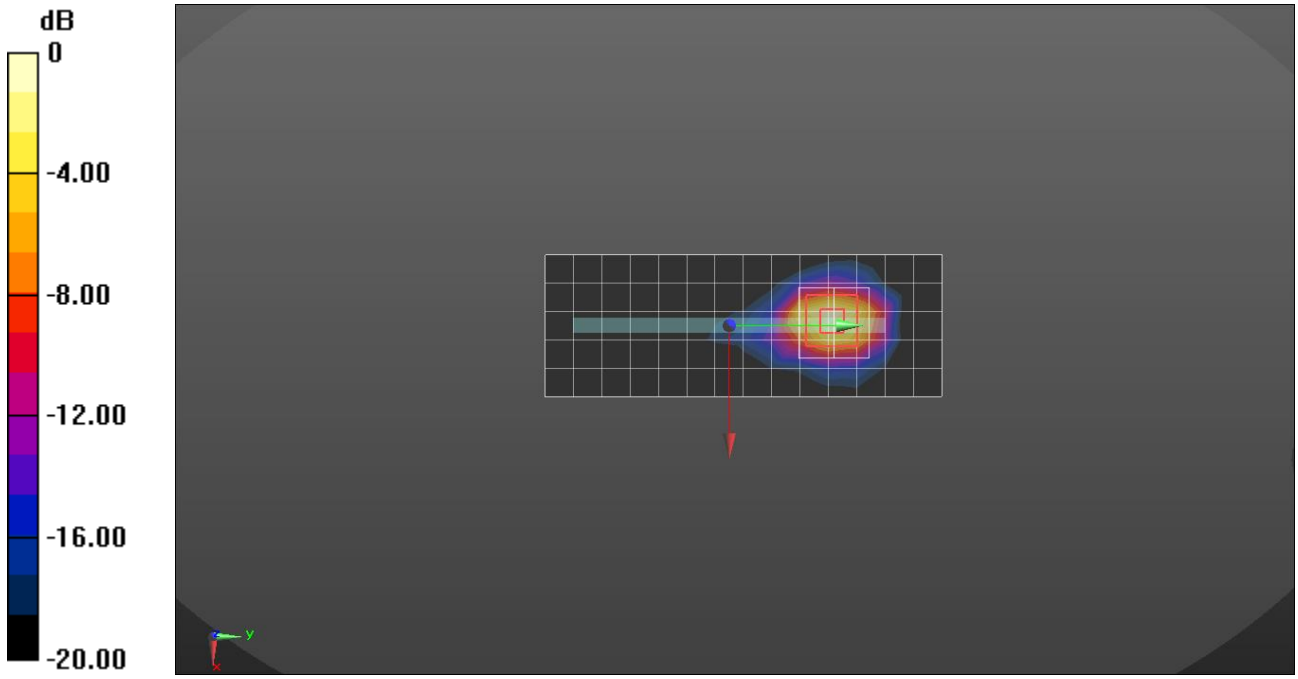
Frequency: 2412 MHz; Communication System Channel Number: 1; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.787 S/m; ε_r = 38.537; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2412 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 b mode ch.1 MIMO Ant.2/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.50 W/kg

Top/802.11 b mode ch.1 MIMO Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 76.19 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 22.8 W/kg
SAR(1 g) = 6.29 W/kg; SAR(10 g) = 2.25 W/kg
Smallest distance from peaks to all points 3 dB below = 5 mm
Ratio of SAR at M2 to SAR at M1 = 28%

Maximum value of SAR (measured) = 15.4 W/kg



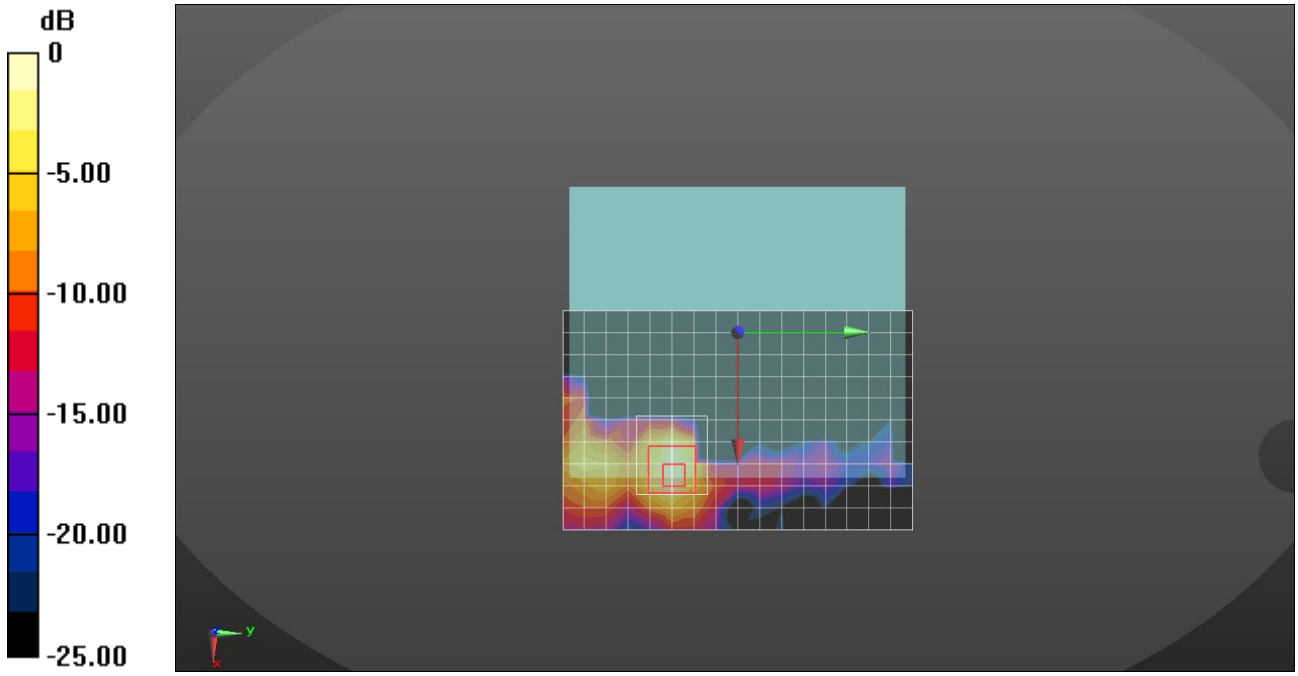
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.578 S/m; ε_r = 36.667; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.59, 5.9, 5.32) @ 5270 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 n mode ch.54 Ant.1/Area Scan (17x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.441 W/kg

Rear/802.11 n mode ch.54 Ant.1/Zoom Scan (10x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 11.29 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.890 W/kg
SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.073 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 59.8%
Maximum value of SAR (measured) = 0.548 W/kg



0 dB = 0.441 W/kg = −3.56 dBW/kg

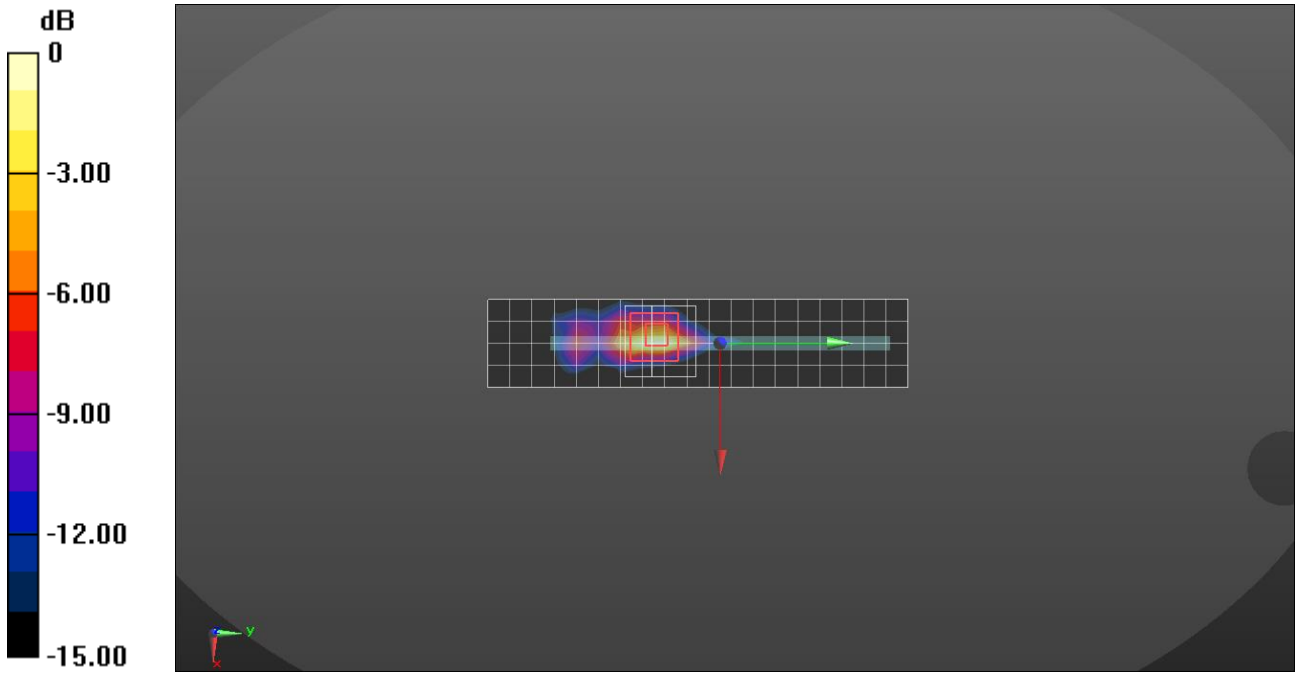
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.578 S/m; ε_r = 36.667; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.59, 5.9, 5.32) @ 5270 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 n mode ch.54 Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 6.29 W/kg

Right/802.11 n mode ch.54 Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.81 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 31.0 W/kg
SAR(1 g) = 3.19 W/kg; SAR(10 g) = 0.766 W/kg
Smallest distance from peaks to all points 3 dB below = 3.2 mm
Ratio of SAR at M2 to SAR at M1 = 58.3%
Maximum value of SAR (measured) = 9.68 W/kg



0 dB = 6.29 W/kg = 7.99 dBW/kg

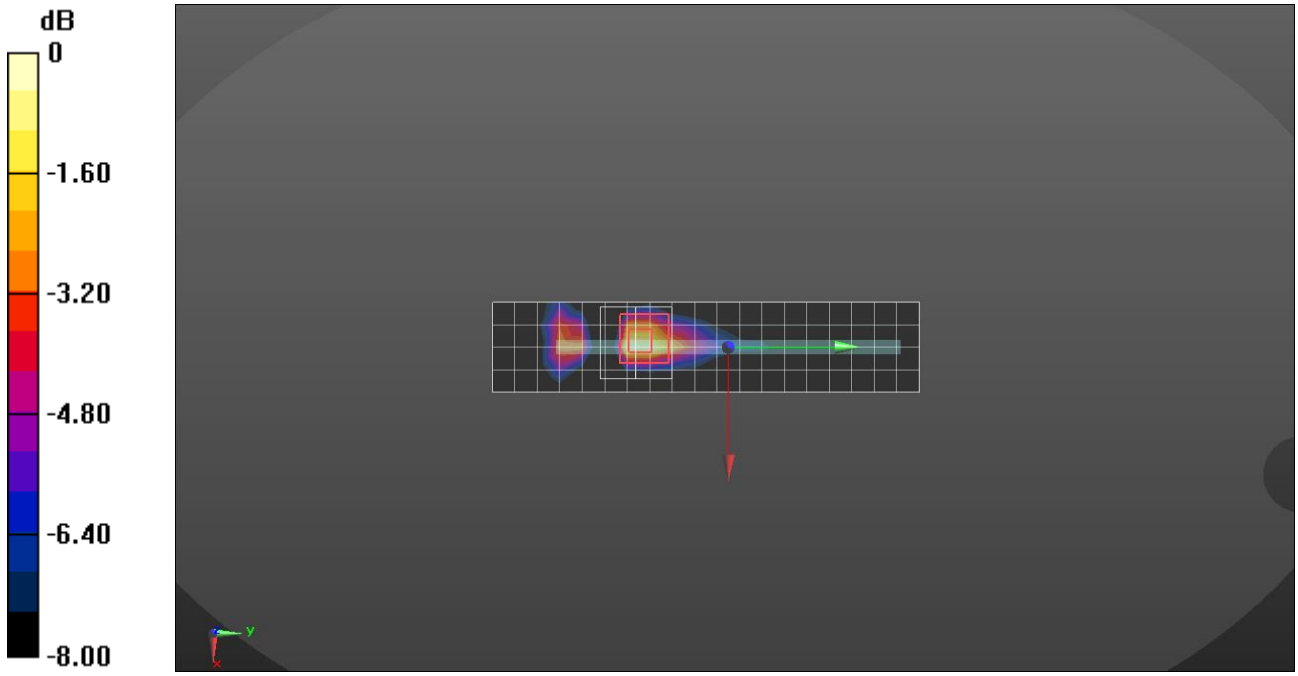
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.578 S/m; ε_r = 36.667; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.59, 5.9, 5.32) @ 5270 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 n mode ch.54 Ant.2/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.277 W/kg

Right/802.11 n mode ch.54 Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.981 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.718 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.050 W/kg
Smallest distance from peaks to all points 3 dB below = 7.4 mm
Ratio of SAR at M2 to SAR at M1 = 59.2%
Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.277 W/kg = −5.58 dBW/kg

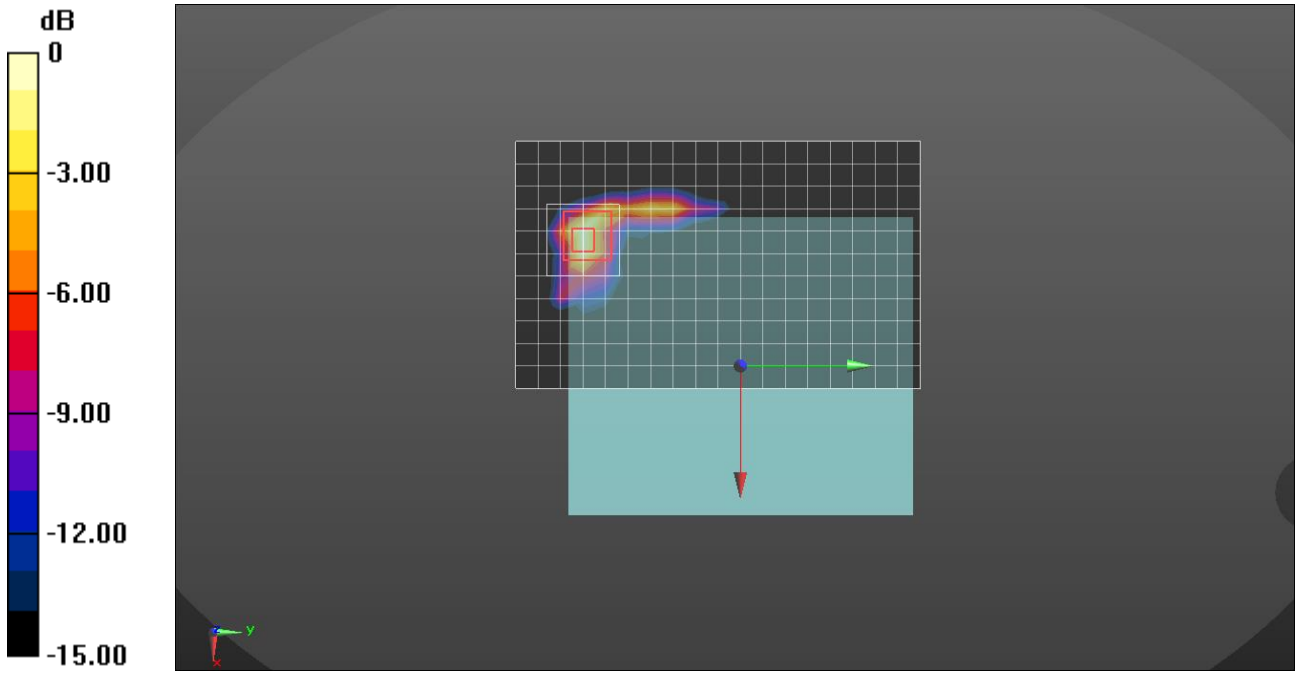
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.578 S/m; ε_r = 36.667; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.59, 5.9, 5.32) @ 5270 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 n mode ch.54 Ant.2/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 4.99 W/kg

Front/802.11 n mode ch.54 Ant.2 /Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 43.47 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 15.0 W/kg
SAR(1 g) = 2.45 W/kg; SAR(10 g) = 0.706 W/kg
Smallest distance from peaks to all points 3 dB below = 5.4 mm
Ratio of SAR at M2 to SAR at M1 = 59%
Maximum value of SAR (measured) = 7.26 W/kg



0 dB = 4.99 W/kg = 6.98 dBW/kg

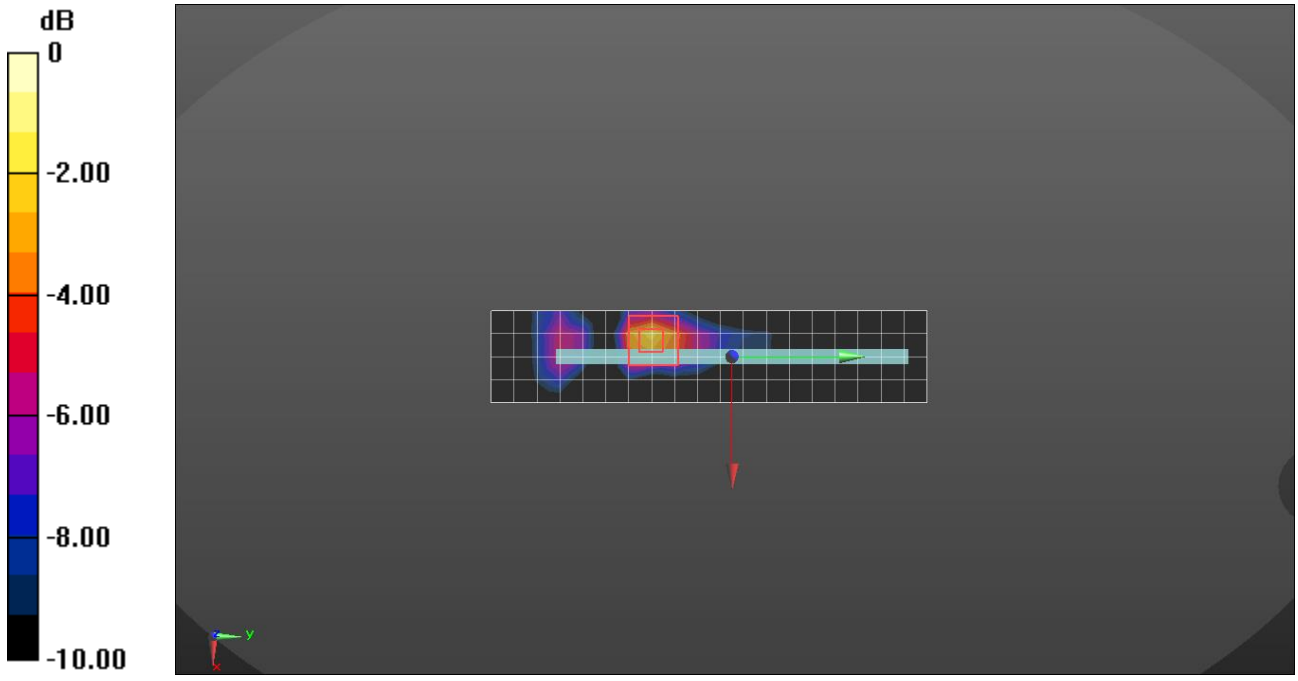
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.578 S/m; ε_r = 36.667; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.59, 5.9, 5.32) @ 5270 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 n mode ch.54 MIMO Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.497 W/kg

Right/802.11 n mode ch.54 MIMO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.20 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.098 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 59.2%
Maximum value of SAR (measured) = 0.716 W/kg



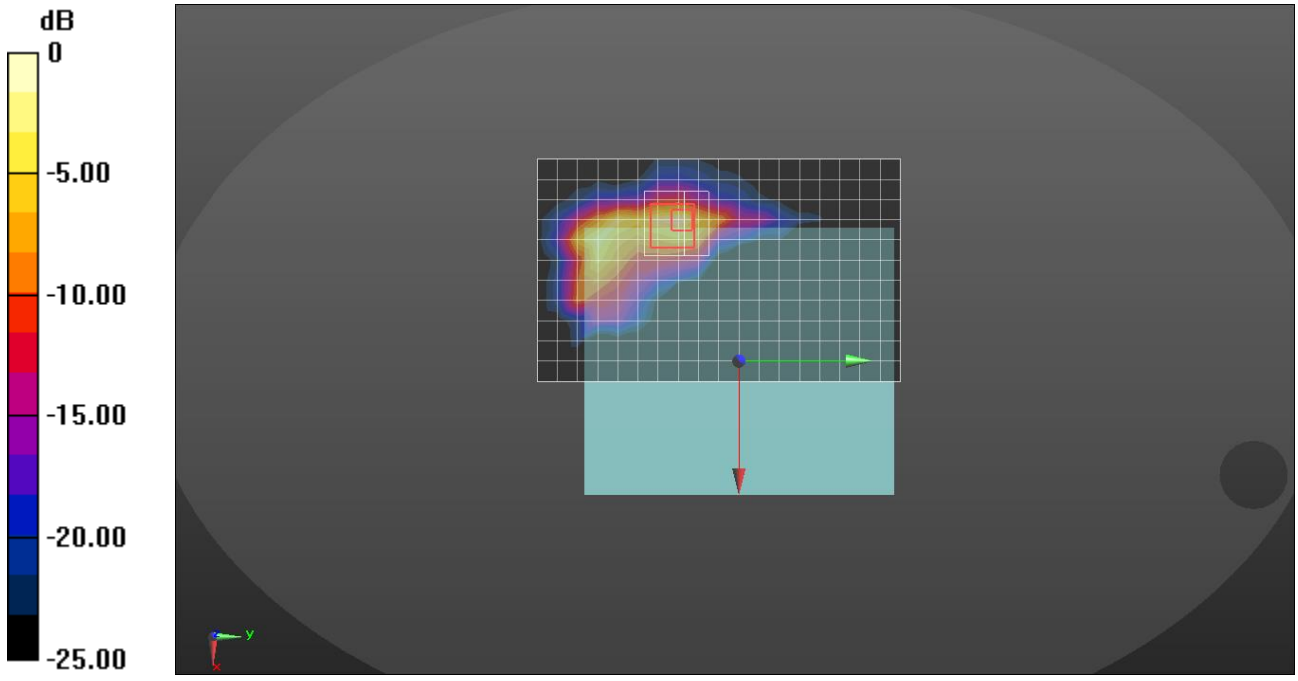
Wi-Fi 5.3GHz

Frequency: 5270 MHz; Communication System Channel Number: 54; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5270 MHz; σ = 4.578 S/m; ε_r = 36.667; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.59, 5.9, 5.32) @ 5270 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 n mode ch.54 MIMO Ant.1/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 6.85 W/kg

Front/802.11 n mode ch.54 MIMO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 44.35 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 17.7 W/kg
SAR(1 g) = 2.58 W/kg; SAR(10 g) = 0.743 W/kg
Smallest distance from peaks to all points 3 dB below = 4 mm
Ratio of SAR at M2 to SAR at M1 = 52.9%
Maximum value of SAR (measured) = 7.09 W/kg



0 dB = 6.85 W/kg = 8.36 dBW/kg

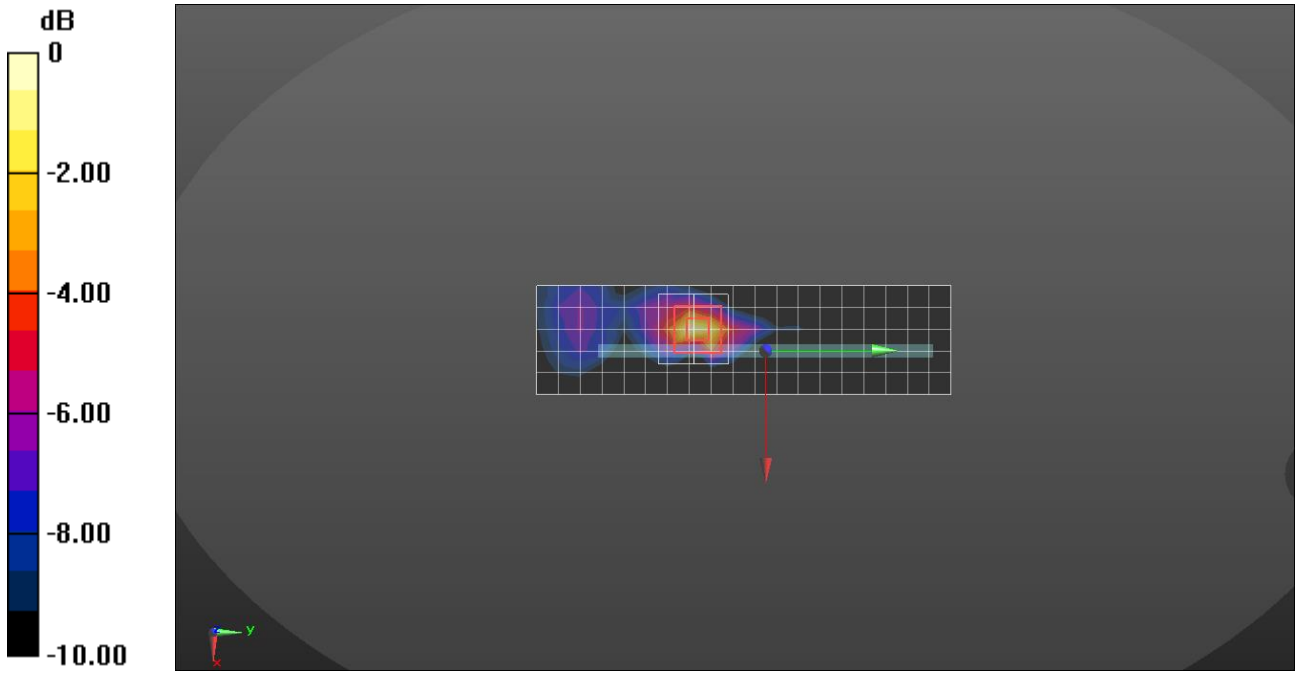
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.964 S/m; ε_r = 36.136; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5, 5.27, 4.78) @ 5610 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 ac mode ch.122 Ant.1/Area Scan (20x6x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.418 W/kg

Right/802.11 ac mode ch.122 Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 11.54 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.057 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 56.8%
Maximum value of SAR (measured) = 0.549 W/kg



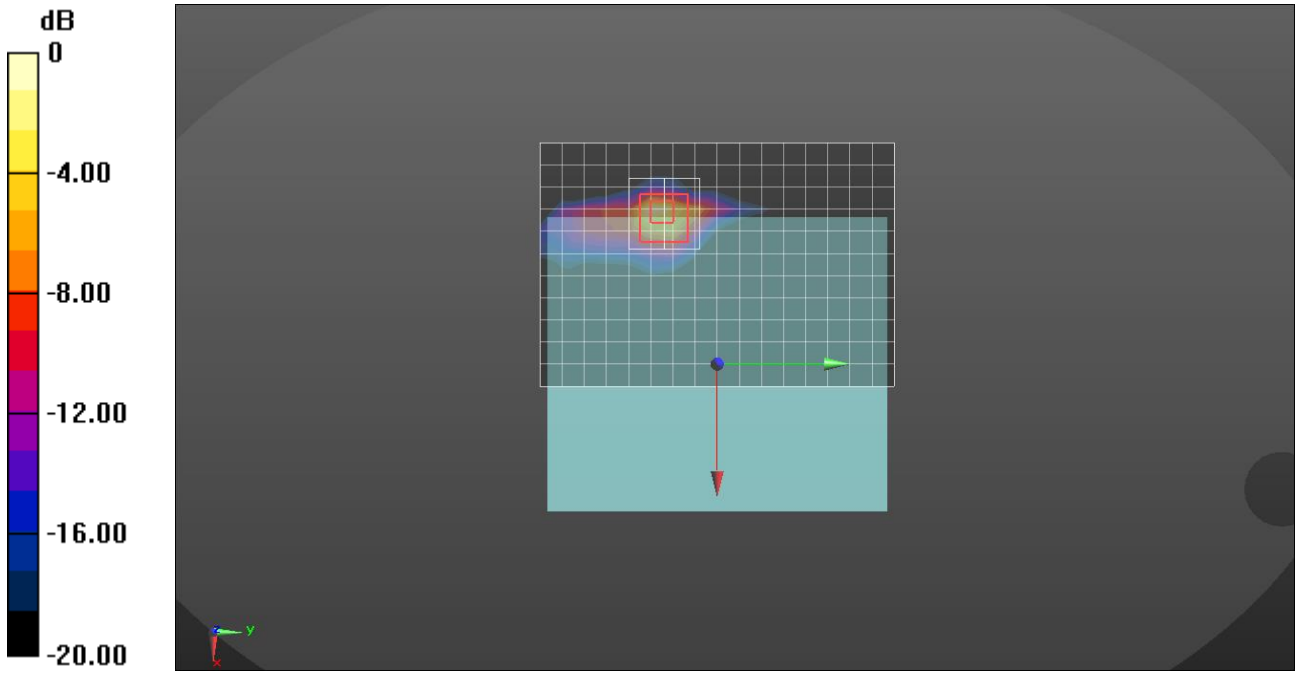
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.964 S/m; ε_r = 36.136; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5, 5.27, 4.78) @ 5610 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/ 802.11 ac mode ch.122 Ant.1/Area Scan (17x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 11.4 W/kg

Front/802.11 ac mode ch.122 Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 61.34 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 41.4 W/kg
SAR(1 g) = 4.75 W/kg; SAR(10 g) = 1.11 W/kg
Smallest distance from peaks to all points 3 dB below = 3.3 mm
Ratio of SAR at M2 to SAR at M1 = 52.6%
Maximum value of SAR (measured) = 14.9 W/kg



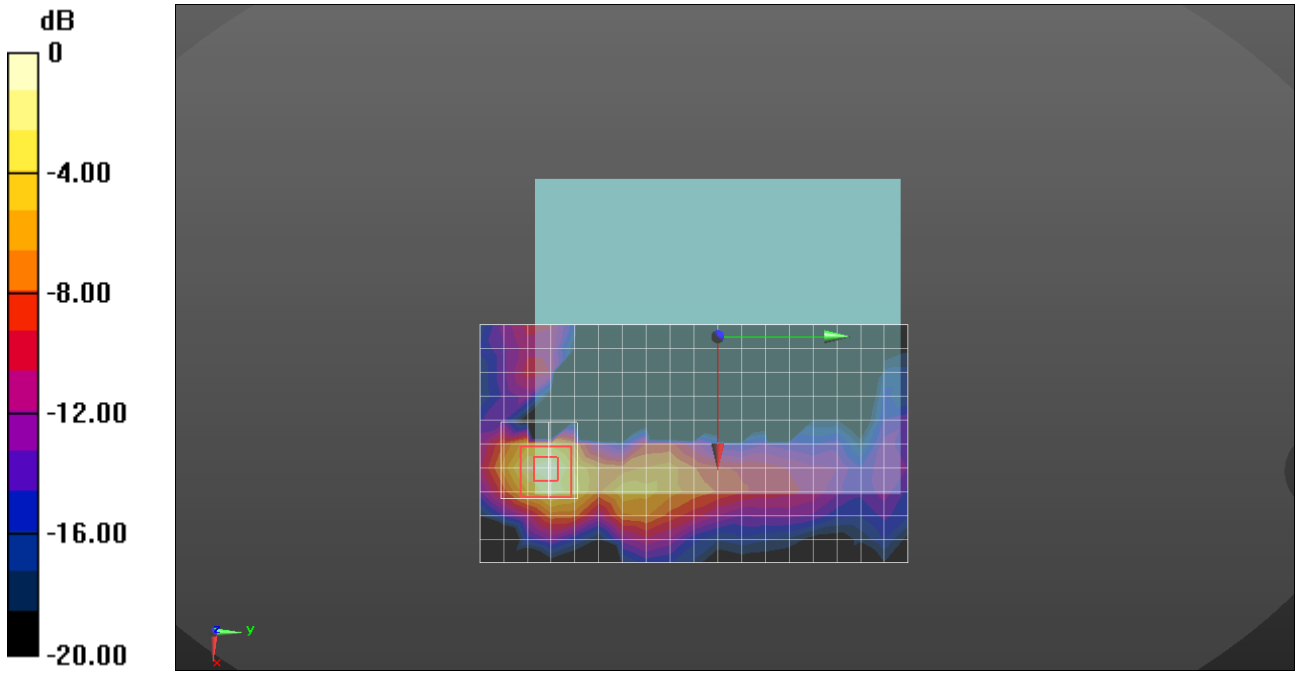
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.964 S/m; ε_r = 36.136; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5, 5.27, 4.78) @ 5610 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 ac mode ch.122 Ant.2/Area Scan (19x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.372 W/kg

Rear/802.11 ac mode ch.122 Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.971 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.833 W/kg
SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.060 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 59.2%
Maximum value of SAR (measured) = 0.434 W/kg



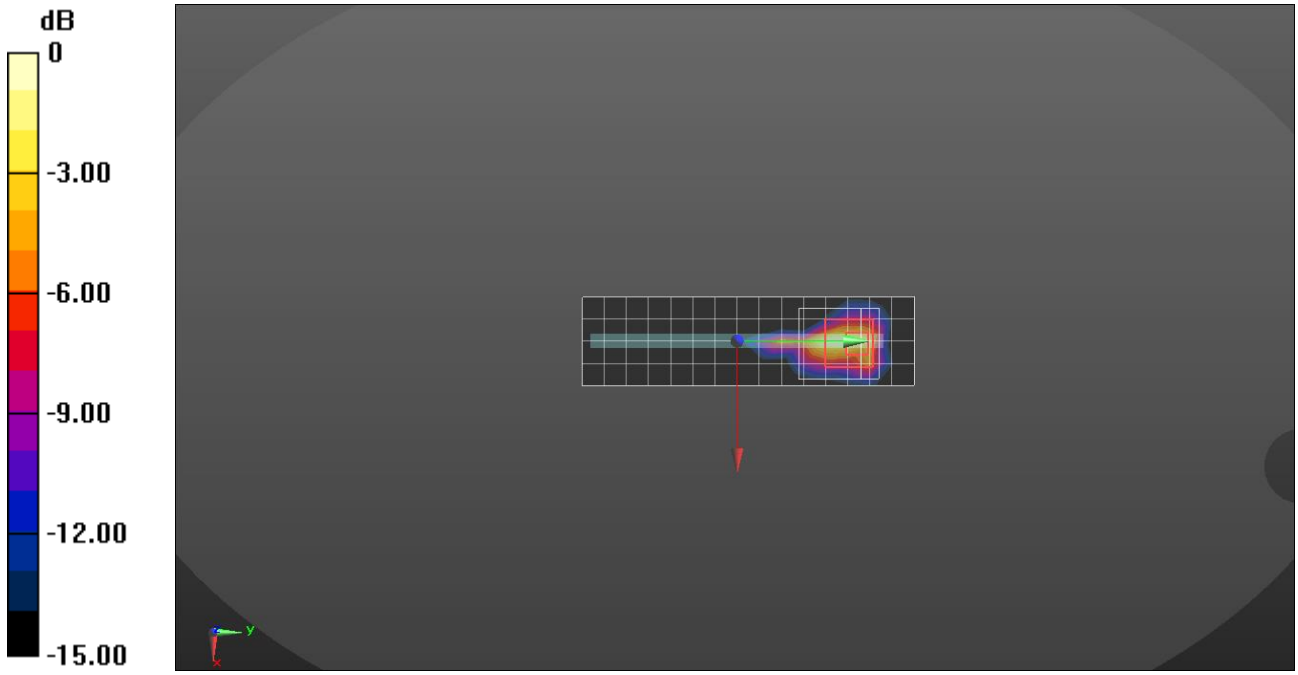
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.964 S/m; ε_r = 36.136; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5, 5.27, 4.78) @ 5610 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 ac mode ch.122 Ant.2/Area Scan (16x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 4.71 W/kg

Top/802.11 ac mode ch.122 Ant.2/Zoom Scan (9x10x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 35.77 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 2.12 W/kg; SAR(10 g) = 0.577 W/kg
Smallest distance from peaks to all points 3 dB below = 4.7 mm
Ratio of SAR at M2 to SAR at M1 = 58.3%
Maximum value of SAR (measured) = 6.55 W/kg



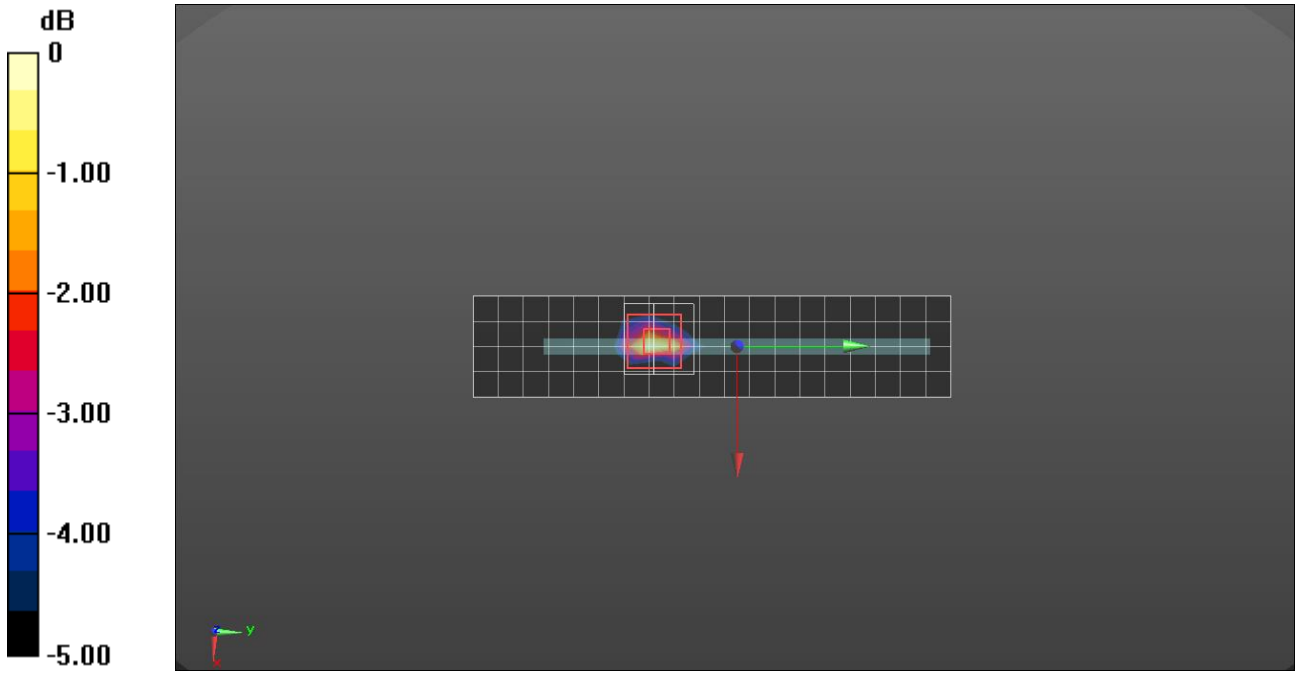
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.964 S/m; ε_r = 36.136; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5, 5.27, 4.78) @ 5610 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 ac mode ch.122 MIMO Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.692 W/kg

Right/802.11 ac mode ch.122 MIMO Ant.1/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.57 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.118 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 57.4%
Maximum value of SAR (measured) = 0.964 W/kg



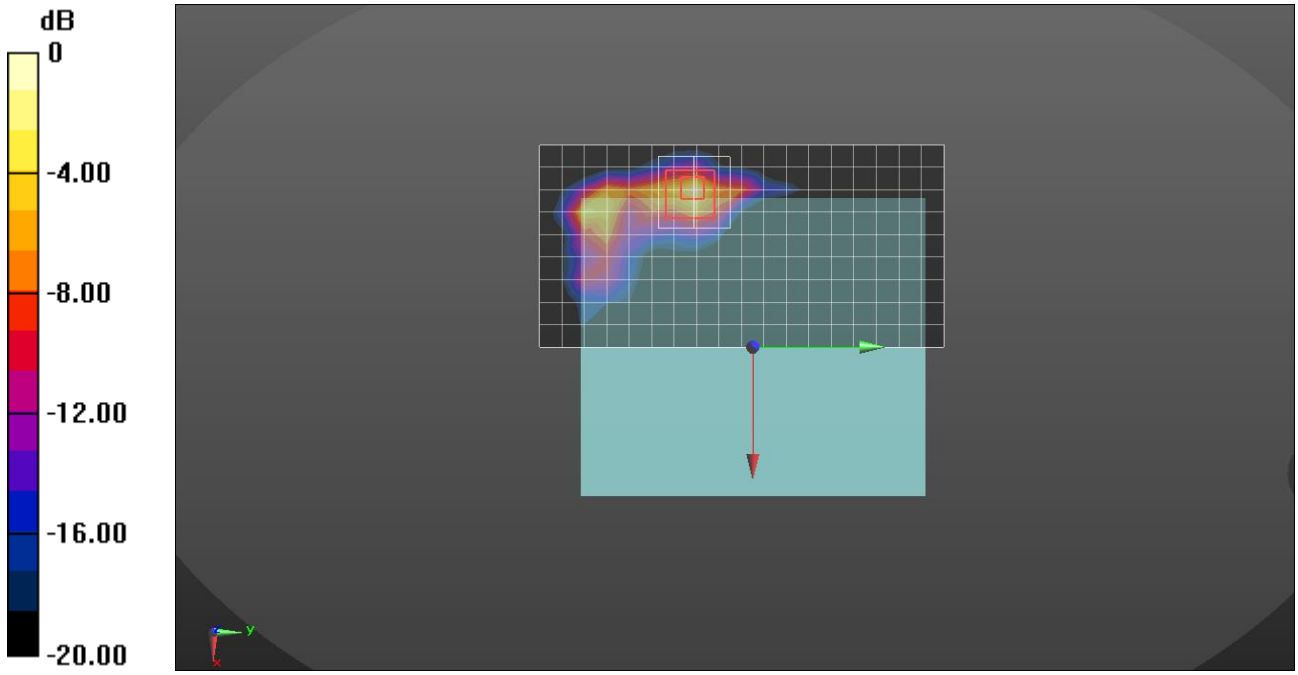
Wi-Fi 5.5GHz

Frequency: 5610 MHz; Communication System Channel Number: 122; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5610 MHz; σ = 4.964 S/m; ε_r = 36.136; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5, 5.27, 4.78) @ 5610 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.122 MIMO Ant.1/Area Scan (19x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 10.9 W/kg

Front/802.11 ac mode ch.122 MIMO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 52.87 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 28.9 W/kg
SAR(1 g) = 3.75 W/kg; SAR(10 g) = 0.897 W/kg
Smallest distance from peaks to all points 3 dB below = 4 mm
Ratio of SAR at M2 to SAR at M1 = 62.2%
Maximum value of SAR (measured) = 10.8 W/kg



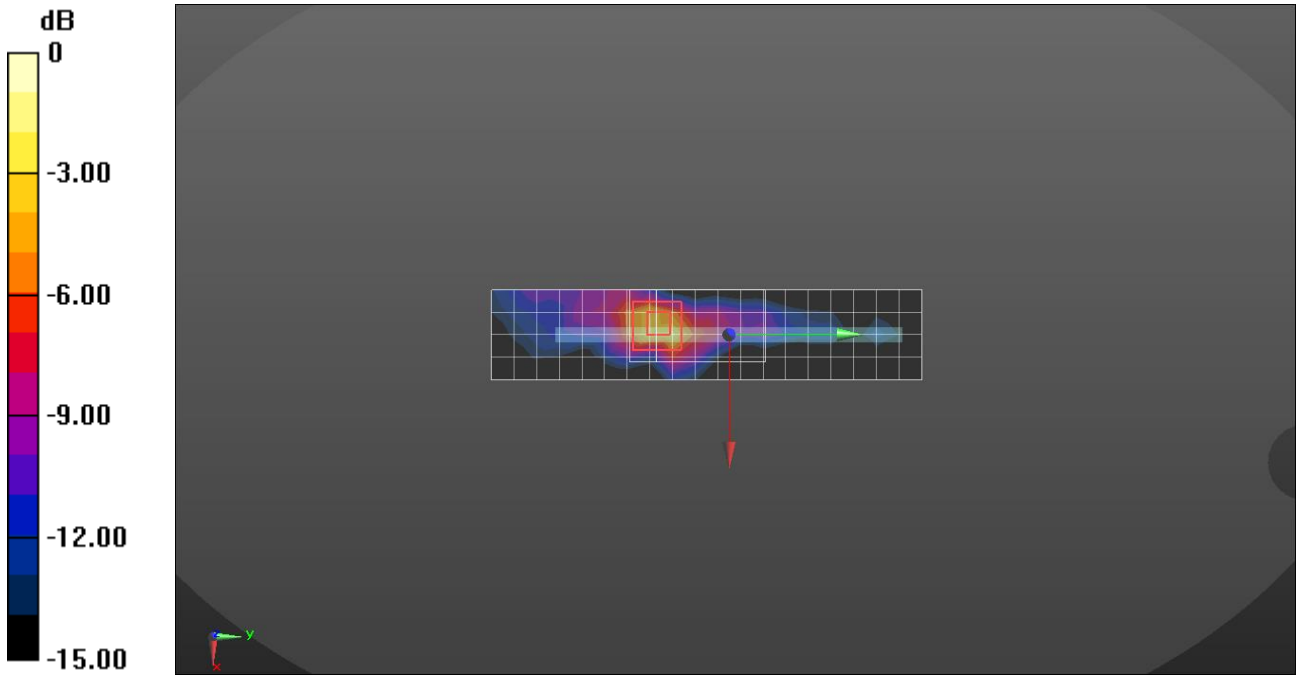
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.289 S/m; ε_r = 34.954; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 ac mode ch.155 Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.377 W/kg

Right/802.11 ac mode ch.155 Ant.1/Zoom Scan (9x16x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.54 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.069 W/kg
Smallest distance from peaks to all points 3 dB below = 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 56.3%
Maximum value of SAR (measured) = 0.672 W/kg



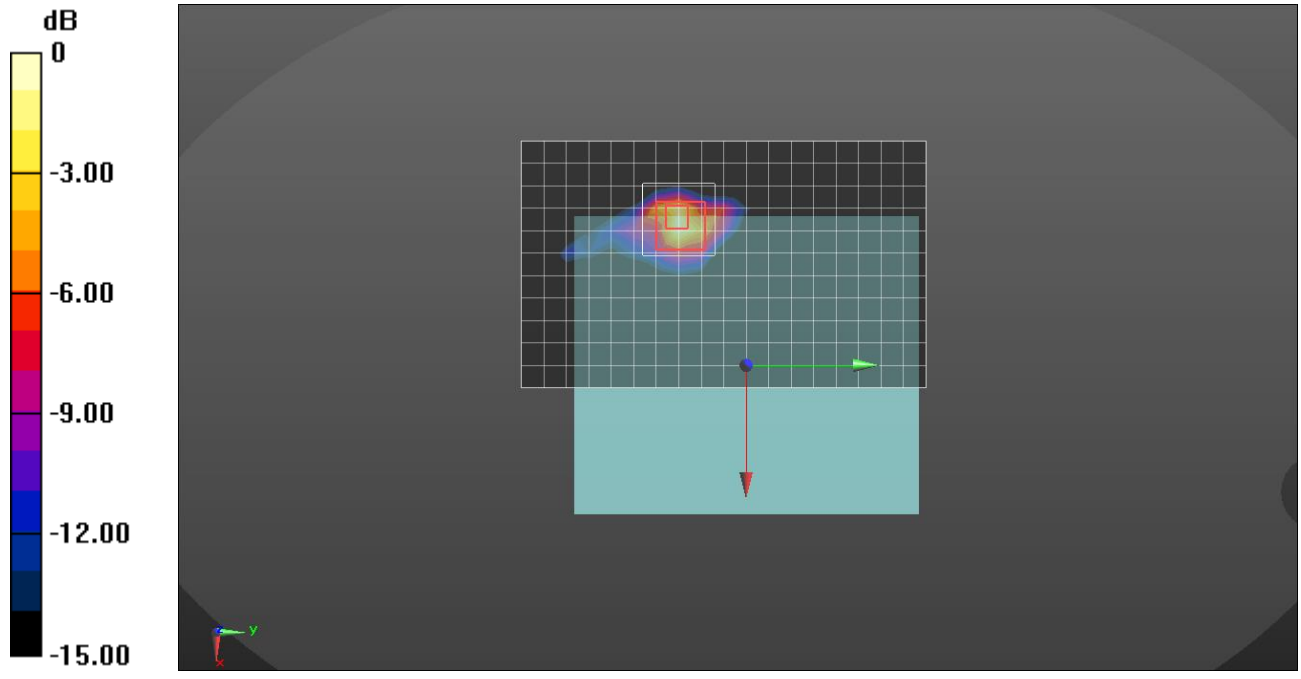
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.289 S/m; ε_r = 34.954; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front /802.11 ac mode ch.155 Ant.1/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.37 W/kg

Front /802.11 ac mode ch.155 Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 58.15 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 42.3 W/kg
SAR(1 g) = 4.8 W/kg; SAR(10 g) = 1.18 W/kg
Smallest distance from peaks to all points 3 dB below = 3.3 mm
Ratio of SAR at M2 to SAR at M1 = 50.9%
Maximum value of SAR (measured) = 14.4 W/kg



0 dB = 7.37 W/kg = 8.67 dBW/kg

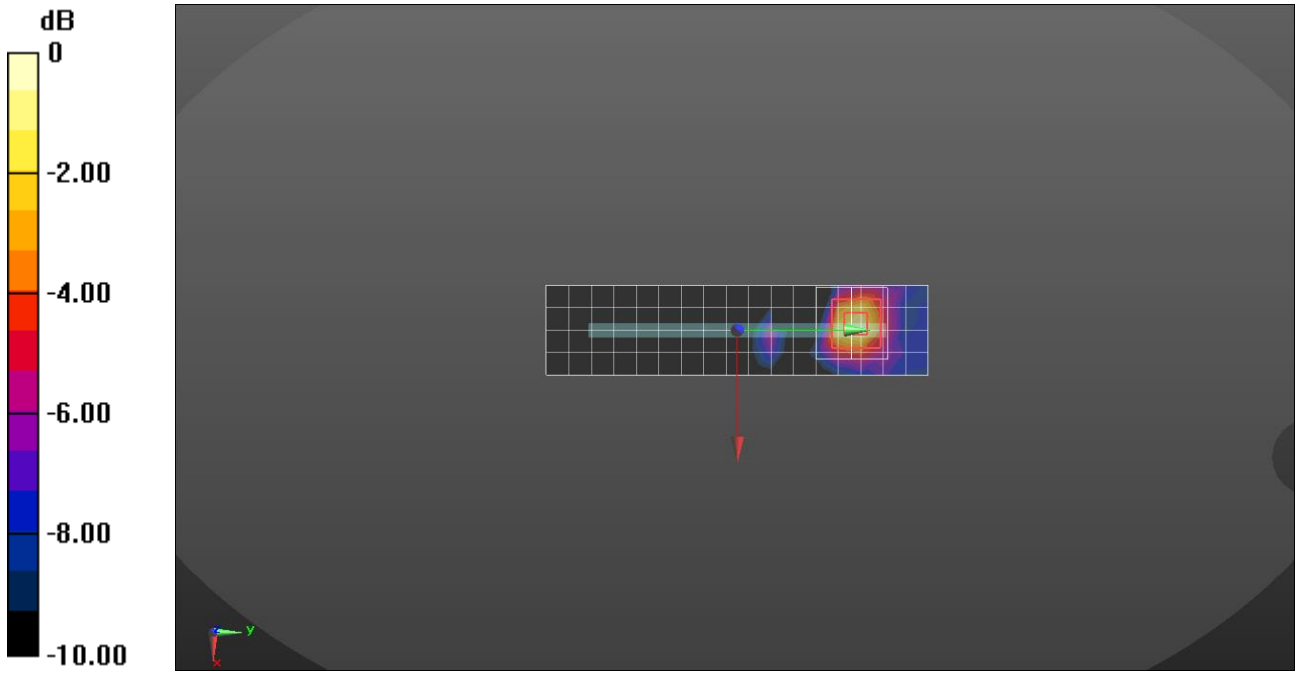
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.145 S/m; ε_r = 35.825; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 ac mode ch.155 Ant.2/Area Scan (18x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.295 W/kg

Top/802.11 ac mode ch.155 Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.009 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.971 W/kg
SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.047 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 54.9%
Maximum value of SAR (measured) = 0.389 W/kg



0 dB = 0.295 W/kg = −5.30 dBW/kg

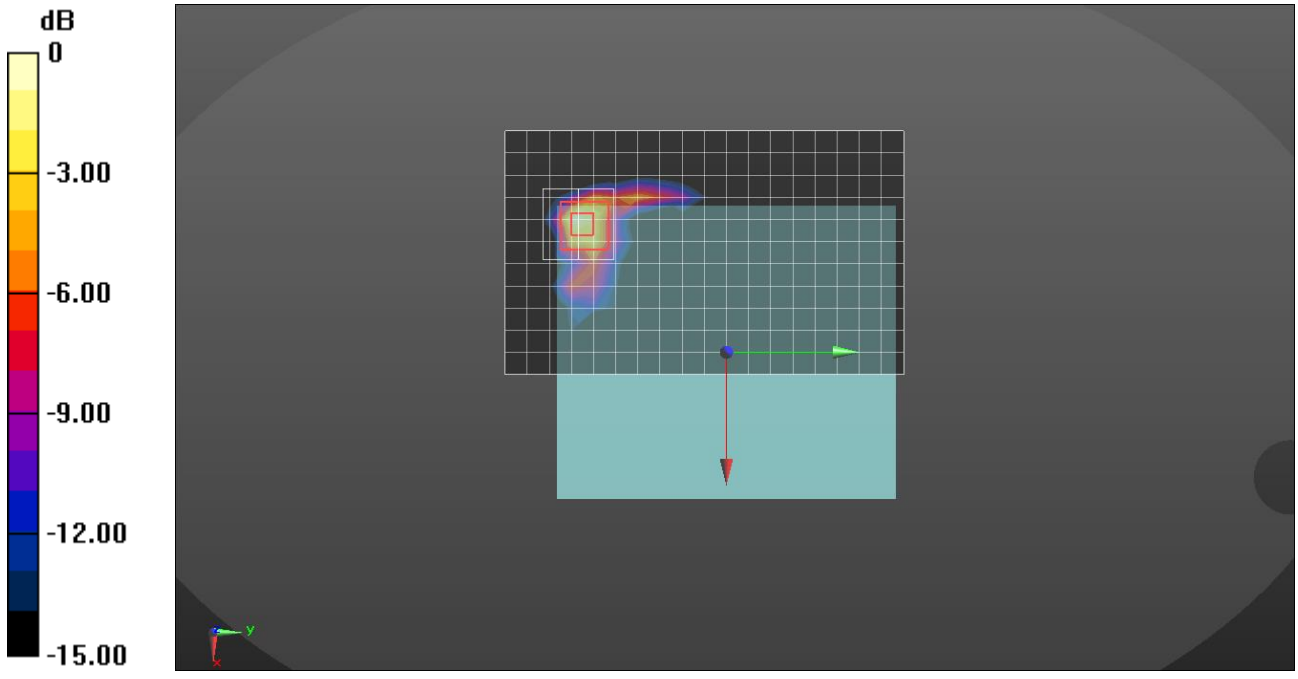
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.145 S/m; ε_r = 35.825; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front /802.11 ac mode ch.155 Ant.2/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 4.57 W/kg

Front /802.11 ac mode ch.155 Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 40.28 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 2.6 W/kg; SAR(10 g) = 0.677 W/kg
Smallest distance from peaks to all points 3 dB below = 6.1 mm
Ratio of SAR at M2 to SAR at M1 = 53.5%
Maximum value of SAR (measured) = 6.88 W/kg



0 dB = 4.57 W/kg = 6.60 dBW/kg

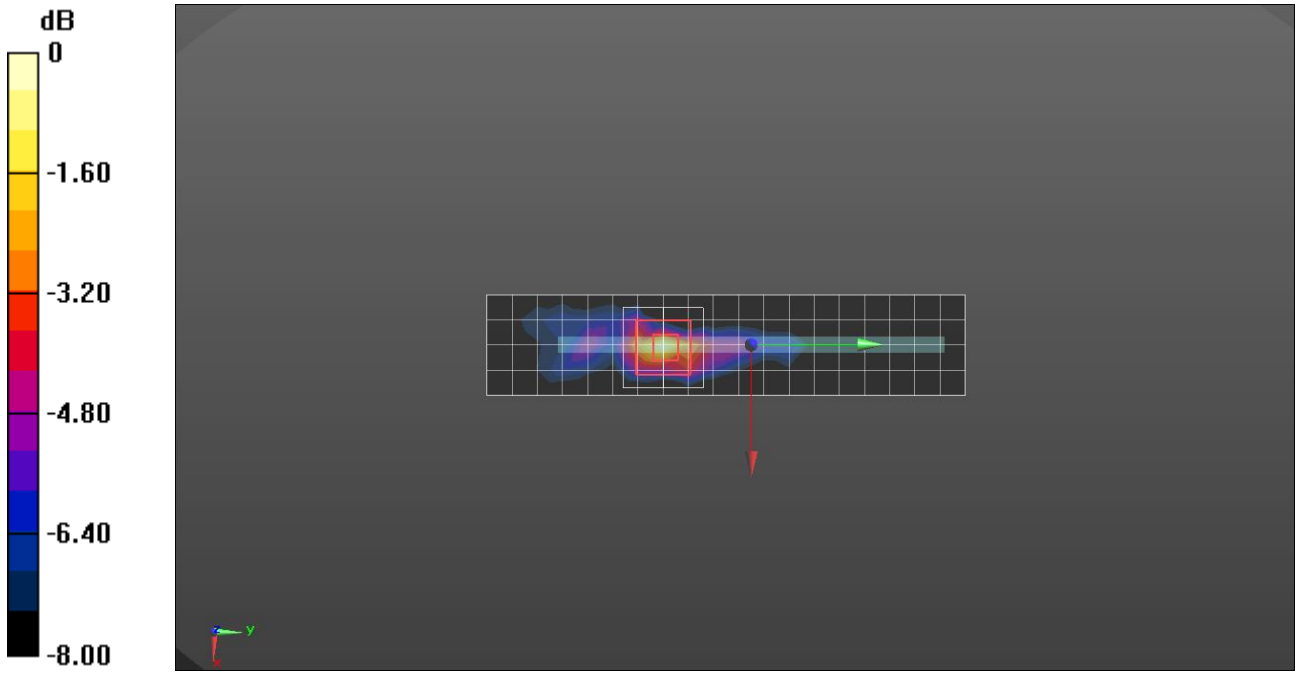
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.145 S/m; ε_r = 35.825; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 ac mode ch.155 MIMO Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.597 W/kg

Right/802.11 ac mode ch.155 MIMO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.07 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.099 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 55%
Maximum value of SAR (measured) = 0.892 W/kg



0 dB = 0.597 W/kg = −2.24 dBW/kg

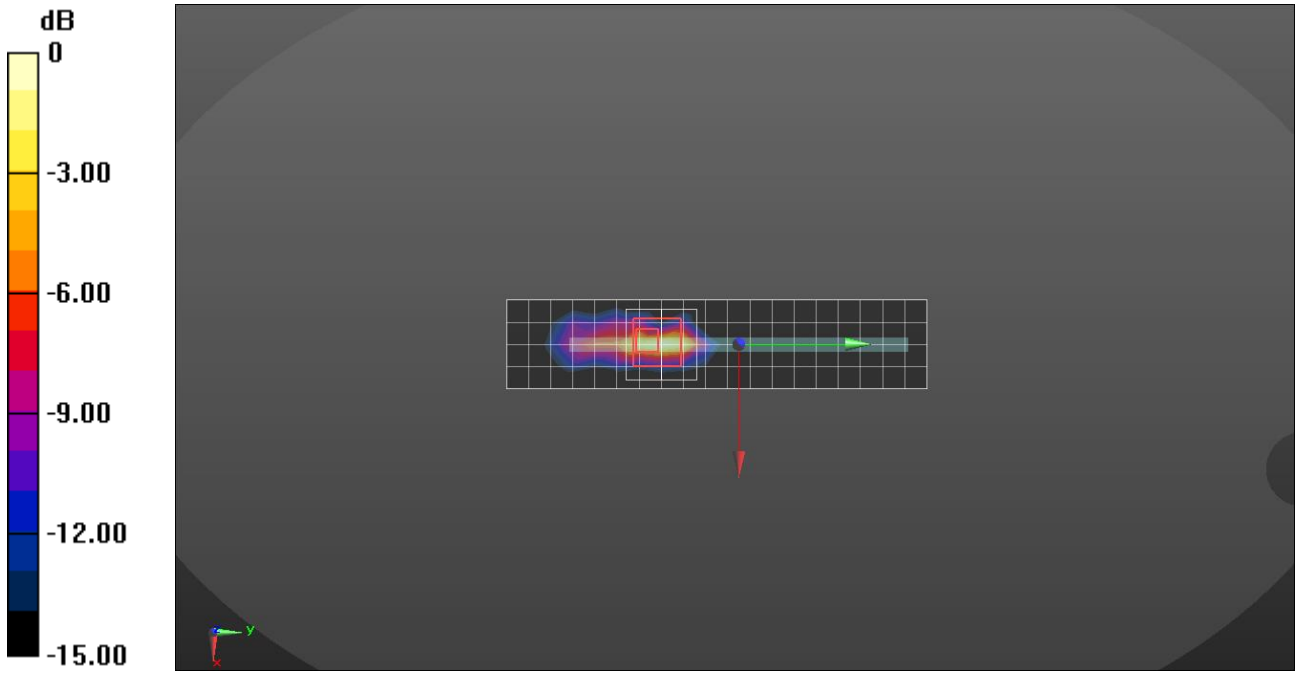
Wi-Fi 5.8GHz

Frequency: 5775 MHz; Communication System Channel Number: 155; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5775 MHz; σ = 5.145 S/m; ε_r = 35.825; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.11, 5.37, 4.91) @ 5775 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 ac mode ch.155 MIMO Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.51 W/kg

Right/802.11 ac mode ch.155 MIMO Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 54.99 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 38.7 W/kg
SAR(1 g) = 3.45 W/kg; SAR(10 g) = 0.878 W/kg
Smallest distance from peaks to all points 3 dB below = 2.4 mm
Ratio of SAR at M2 to SAR at M1 = 47%
Maximum value of SAR (measured) = 11.8 W/kg



0 dB = 9.51 W/kg = 9.78 dBW/kg

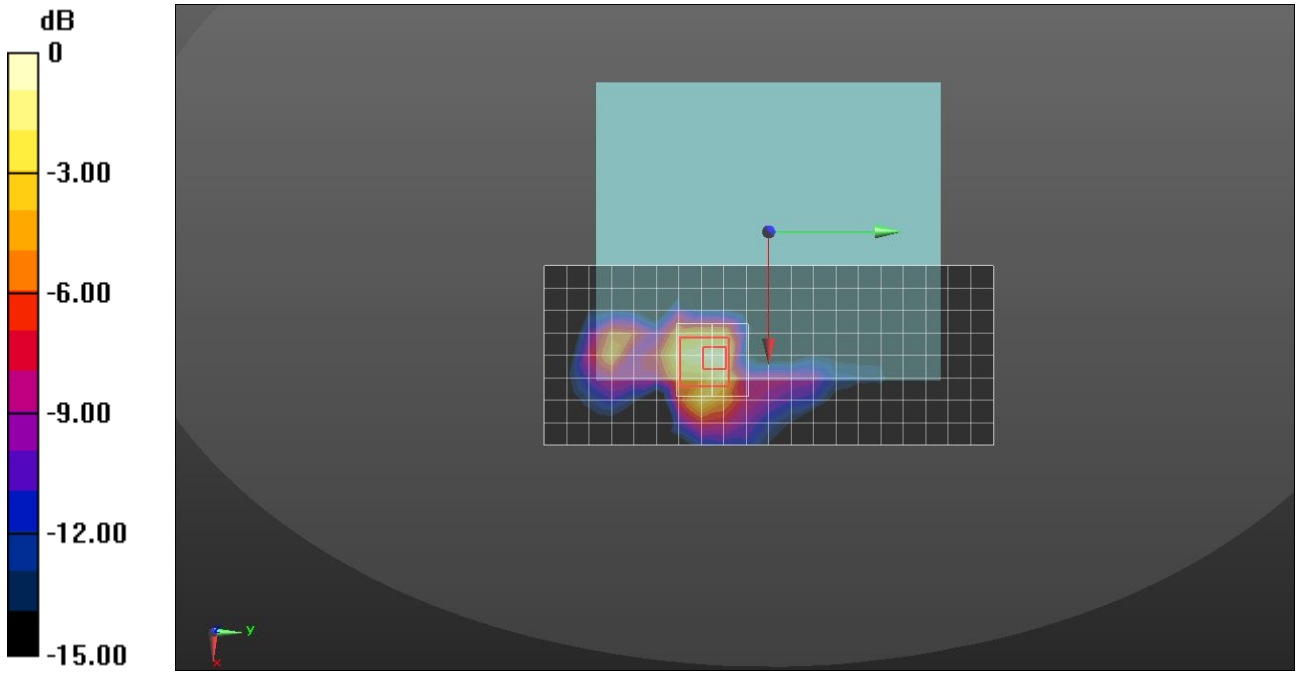
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.235 S/m; ε_r = 35.719; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/802.11 ac mode ch.171 Ant.1/Area Scan (21x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.408 W/kg

Rear/802.11 ac mode ch.171 Ant.1/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.13 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.920 W/kg
SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.064 W/kg
Smallest distance from peaks to all points 3 dB below = 6.4 mm
Ratio of SAR at M2 to SAR at M1 = 55.1%
Maximum value of SAR (measured) = 0.526 W/kg



0 dB = 0.408 W/kg = −3.89 dBW/kg

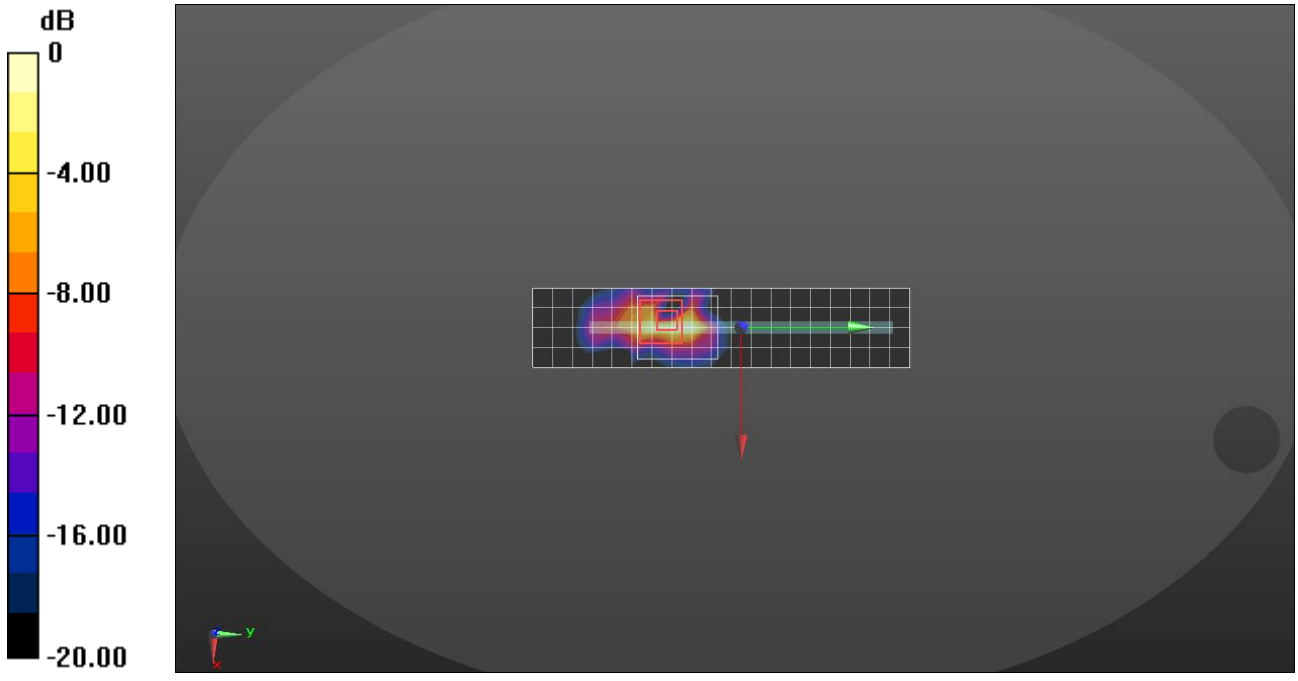
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.235 S/m; ε_r = 35.719; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/802.11 ac mode ch.171 Ant.1/Area Scan (20x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 4.66 W/kg

Right/802.11 ac mode ch.171 Ant.1/Zoom Scan (9x11x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 26.96 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 18.0 W/kg
SAR(1 g) = 2.04 W/kg; SAR(10 g) = 0.463 W/kg
Smallest distance from peaks to all points 3 dB below = 2.4 mm
Ratio of SAR at M2 to SAR at M1 = 58.8%
Maximum value of SAR (measured) = 9.21 W/kg



0 dB = 4.66 W/kg = 6.68 dBW/kg

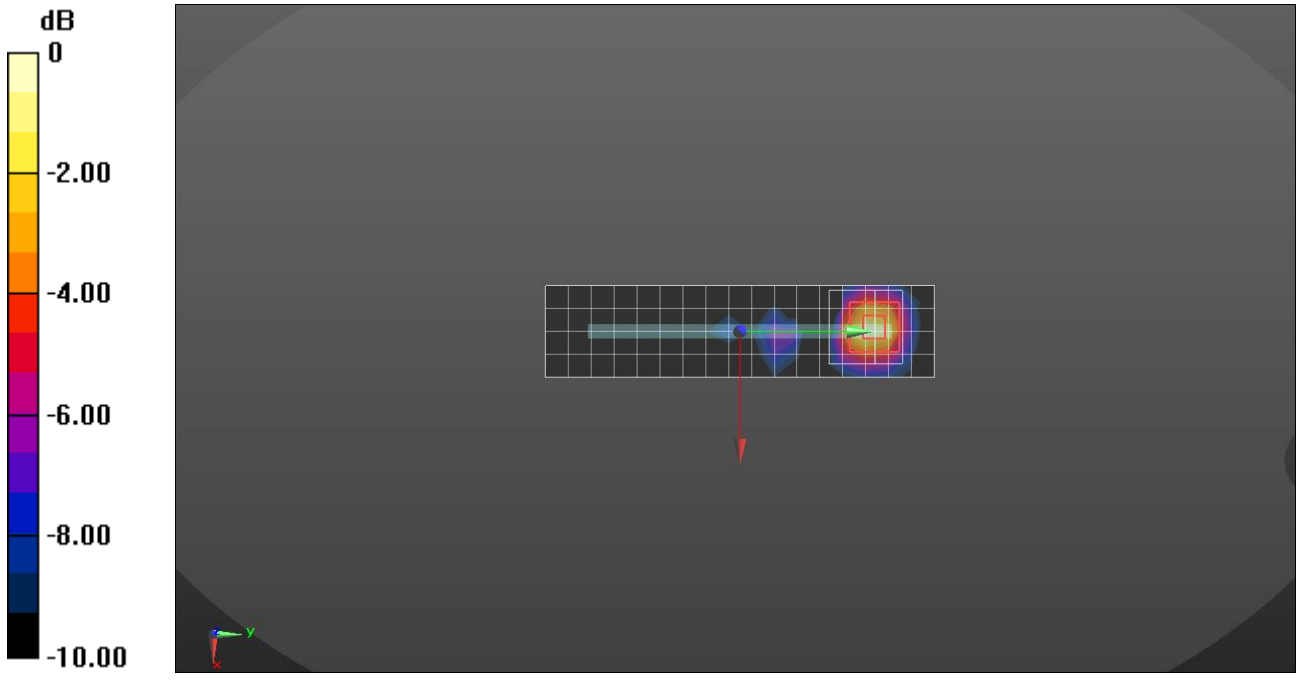
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.235 S/m; ε_r = 35.719; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 ac mode ch.171 Ant.2/Area Scan (18x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.509 W/kg

Top/802.11 ac mode ch.171 Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.89 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.067 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 56.8%
Maximum value of SAR (measured) = 0.547 W/kg



0 dB = 0.509 W/kg = −2.93 dBW/kg

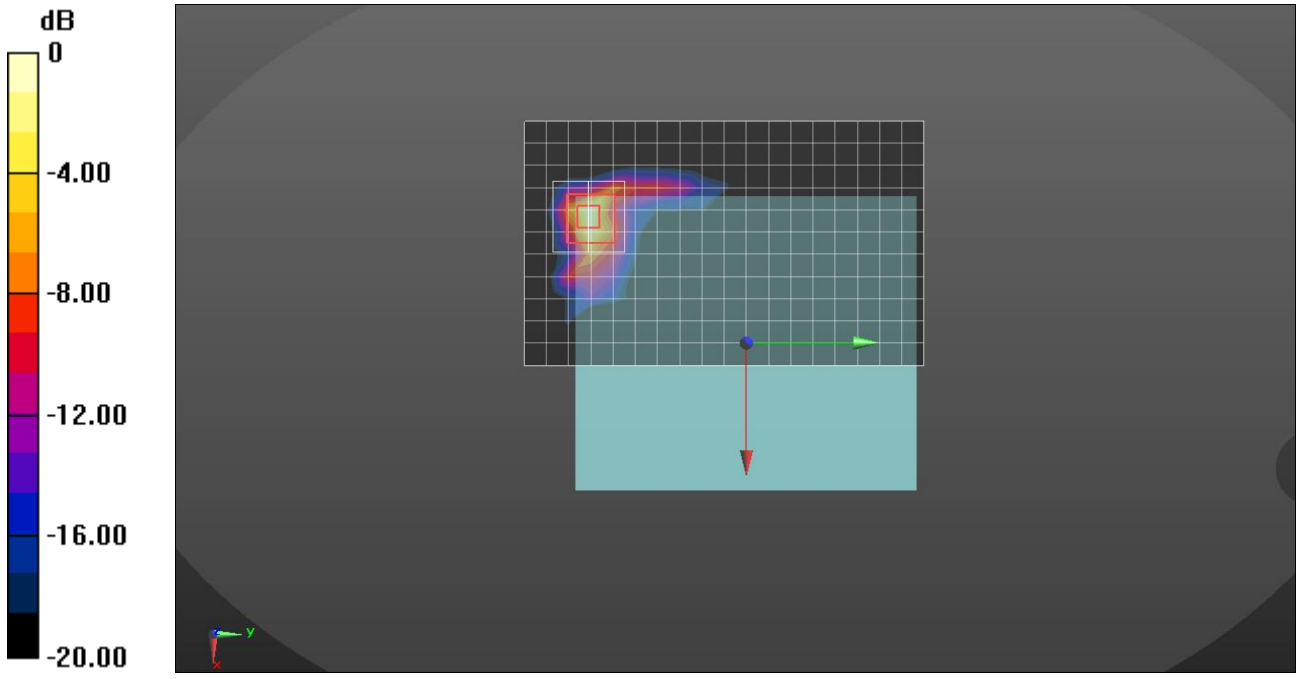
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.235 S/m; ε_r = 35.719; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.171 Ant.2/Area Scan (19x12x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.58 W/kg

Front/802.11 ac mode ch.171 Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.97 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 26.3 W/kg
SAR(1 g) = 3.8 W/kg; SAR(10 g) = 0.942 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 55.8%
Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 7.58 W/kg = 8.80 dBW/kg

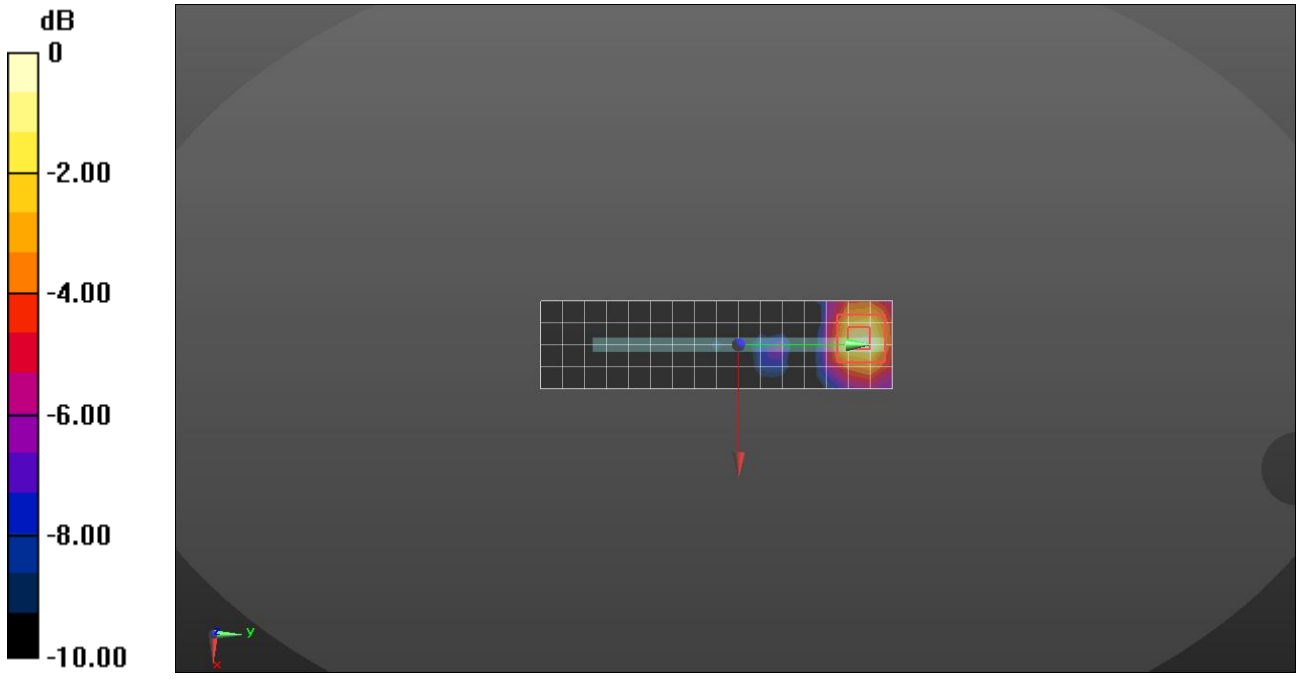
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.274 S/m; ε_r = 35.231; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/802.11 ac mode ch.171 MIMO Ant.2/Area Scan (17x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.651 W/kg

Top/802.11 ac mode ch.171 MIMO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 14.20 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.119 W/kg
Smallest distance from peaks to all points 3 dB below = 9.3 mm
Ratio of SAR at M2 to SAR at M1 = 62.7%
Maximum value of SAR (measured) = 0.873 W/kg



0 dB = 0.651 W/kg = −1.86 dBW/kg

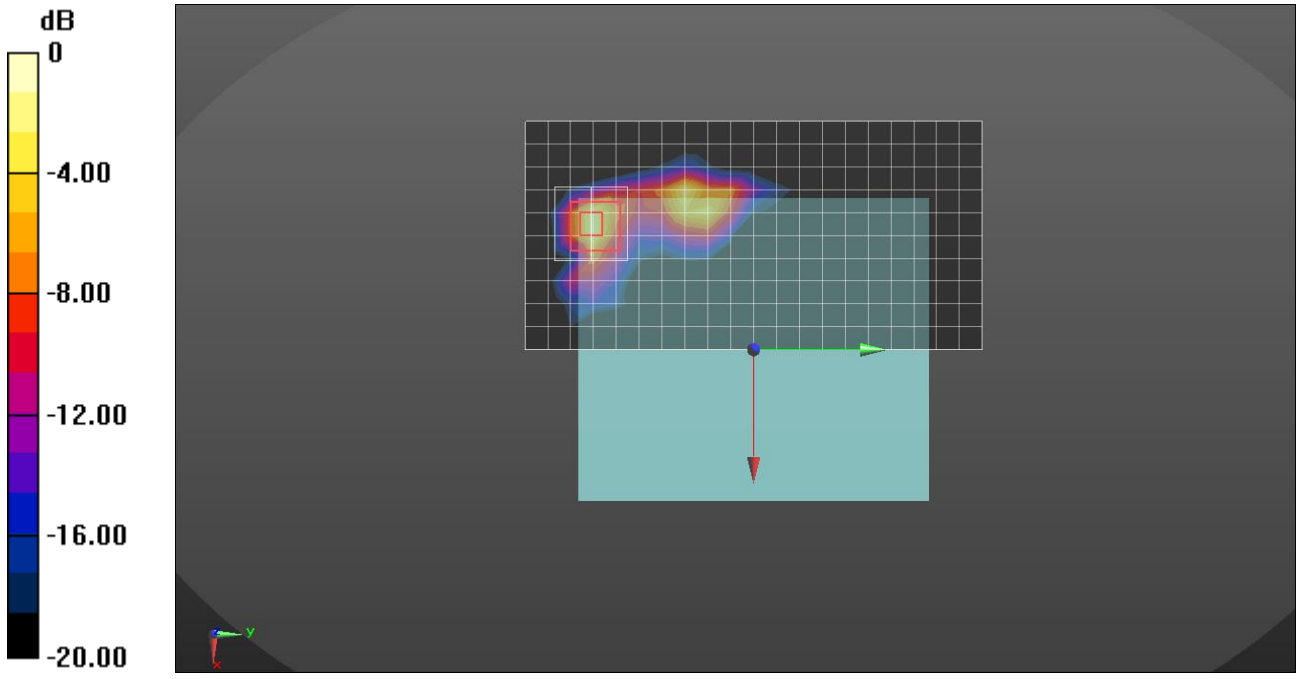
Wi-Fi 5.9GHz

Frequency: 5855 MHz; Communication System Channel Number: 171; Duty Cycle: 1:1
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5855 MHz; σ = 5.235 S/m; ε_r = 35.719; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1494; Calibrated: 7/17/2023
- Probe: EX3DV4 - SN7651; ConvF(5.04, 5.28, 4.82) @ 5855 MHz; Calibrated: 3/18/2024
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/802.11 ac mode ch.171 MIMO Ant.2/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 8.21 W/kg

Front/802.11 ac mode ch.171 MIMO Ant.2/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.75 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 25.5 W/kg
SAR(1 g) = 3.86 W/kg; SAR(10 g) = 0.966 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 57.3%
Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 11.0 W/kg = 10.41 dBW/kg

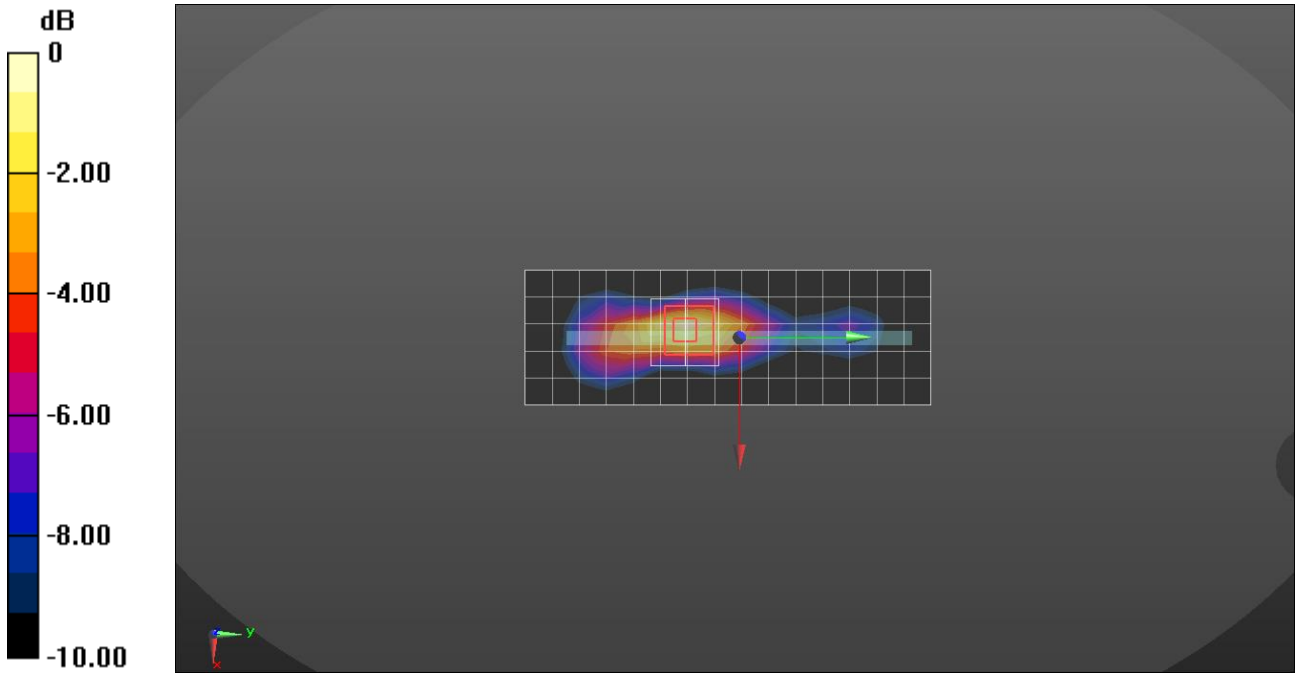
Bluetooth

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1.65653
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.702 S/m; ε_r = 39.614; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2402 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Right/Bluetooth GFSK ch.0 Ant.1/Area Scan (16x6x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.520 W/kg

Right/Bluetooth GFSK ch.0 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.30 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.797 W/kg
SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.145 W/kg
Smallest distance from peaks to all points 3 dB below = 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 42.3%
Maximum value of SAR (measured) = 0.585 W/kg



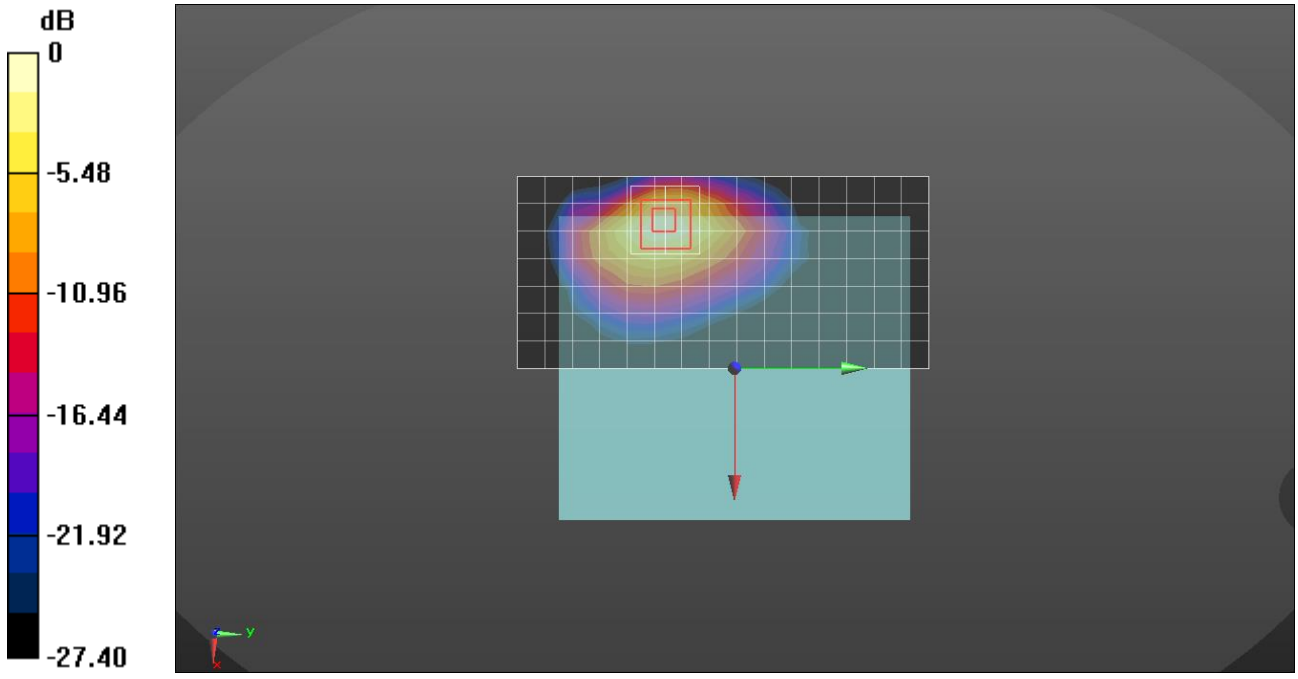
Bluetooth

Frequency: 2402 MHz; Communication System Channel Number: 0; Duty Cycle: 1:1.65653
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2402 MHz; σ = 1.702 S/m; ε_r = 39.614; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2402 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/Bluetooth GFSK ch.0 Ant.1/Area Scan (16x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.24 W/kg

Front/Bluetooth GFSK ch.0 Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 39.26 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 9.11 W/kg
SAR(1 g) = 2.43 W/kg; SAR(10 g) = 0.925 W/kg
Smallest distance from peaks to all points 3 dB below = 5.1 mm
Ratio of SAR at M2 to SAR at M1 = 26.1%
Maximum value of SAR (measured) = 5.89 W/kg



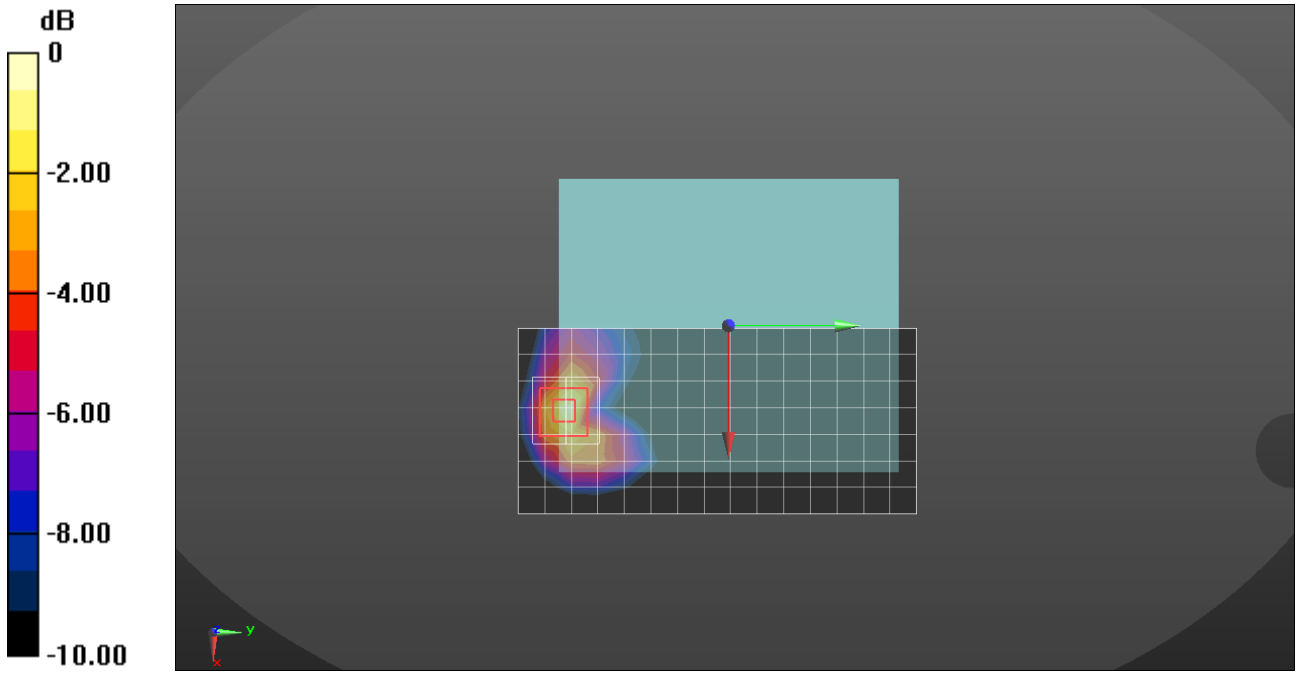
Bluetooth

Frequency: 2440 MHz; Communication System Channel Number: 19; Duty Cycle: 1:1.65653
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2440 MHz; σ = 1.727 S/m; ε_r = 39.57; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2440 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/Bluetooth GFSK ch.19 Ant.2/Area Scan (16x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.549 W/kg

Rear/Bluetooth GFSK ch.19 Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.72 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.761 W/kg
SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.150 W/kg
Smallest distance from peaks to all points 3 dB below = 9 mm
Ratio of SAR at M2 to SAR at M1 = 44.6%
Maximum value of SAR (measured) = 0.580 W/kg



0 dB = 0.580 W/kg = −2.37 dBW/kg

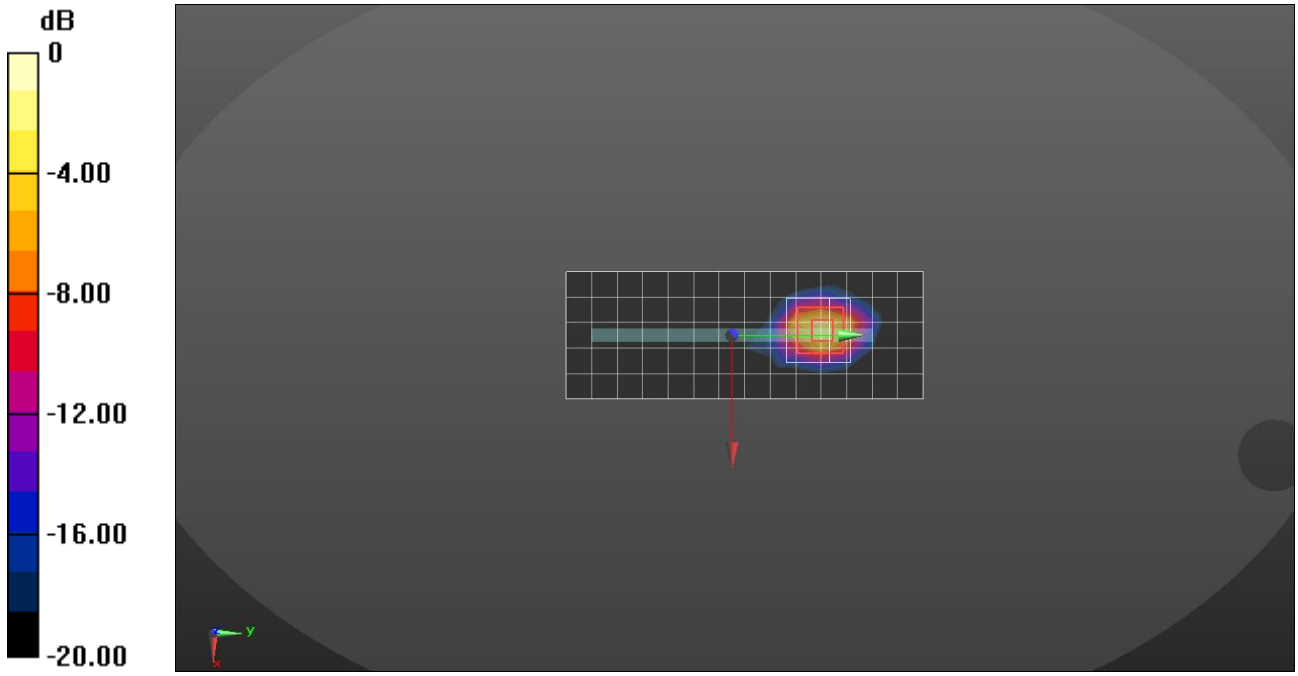
Bluetooth

Frequency: 2440 MHz; Communication System Channel Number: 19; Duty Cycle: 1:1.65653
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2440 MHz; σ = 1.727 S/m; ε_r = 39.57; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2440 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Top/Bluetooth LE ch.19 Ant.2/Area Scan (15x6x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 7.10 W/kg

Top/Bluetooth LE ch.19 Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.84 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 15.2 W/kg
SAR(1 g) = 4.57 W/kg; SAR(10 g) = 1.66 W/kg
Smallest distance from peaks to all points 3 dB below = 5.8 mm
Ratio of SAR at M2 to SAR at M1 = 29.5%
Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.1 W/kg = 10.04 dBW/kg

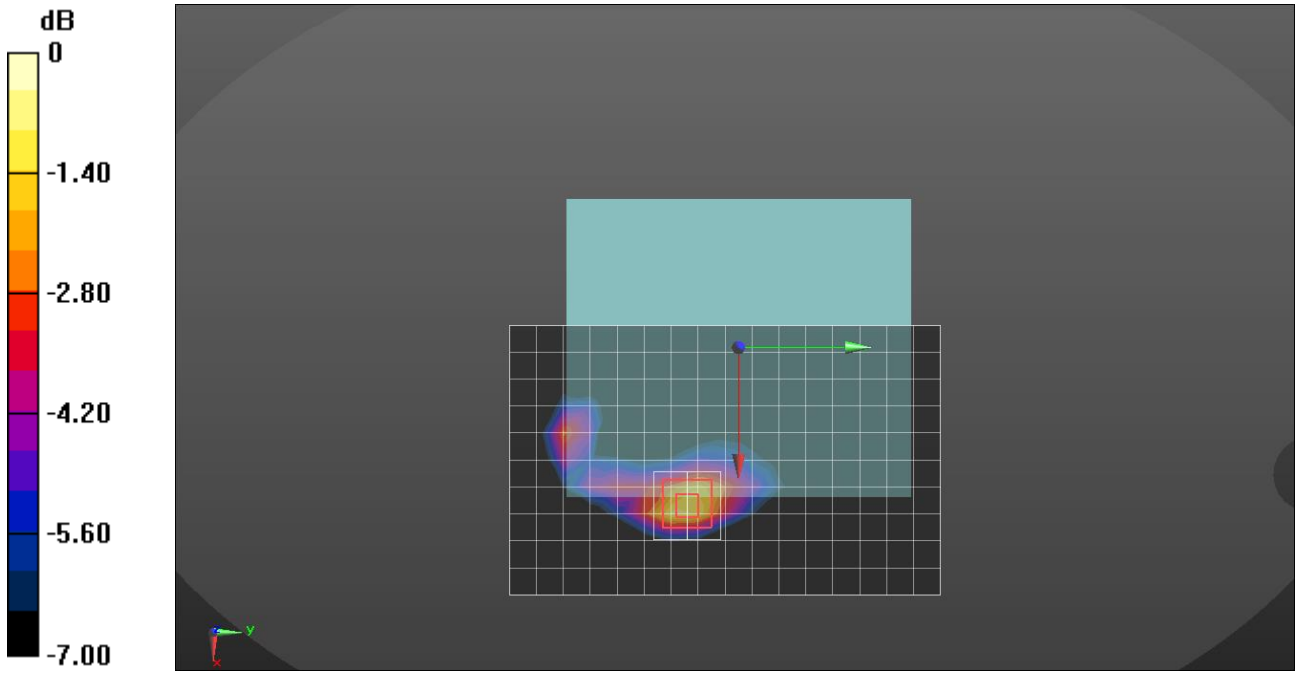
Bluetooth

Frequency: 2441 MHz; Communication System Channel Number: 39; Duty Cycle: 1:1.17625
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.81 S/m; ε_r = 38.518; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2441 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Rear/Bluetooth GFSK ch.39 MIMO Ant.1/Area Scan (17x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.194 W/kg

Rear/Bluetooth GFSK ch.39 MIMO Ant.1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.11 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.297 W/kg
SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.065 W/kg
Smallest distance from peaks to all points 3 dB below = 9.8 mm
Ratio of SAR at M2 to SAR at M1 = 45.5%
Maximum value of SAR (measured) = 0.232 W/kg



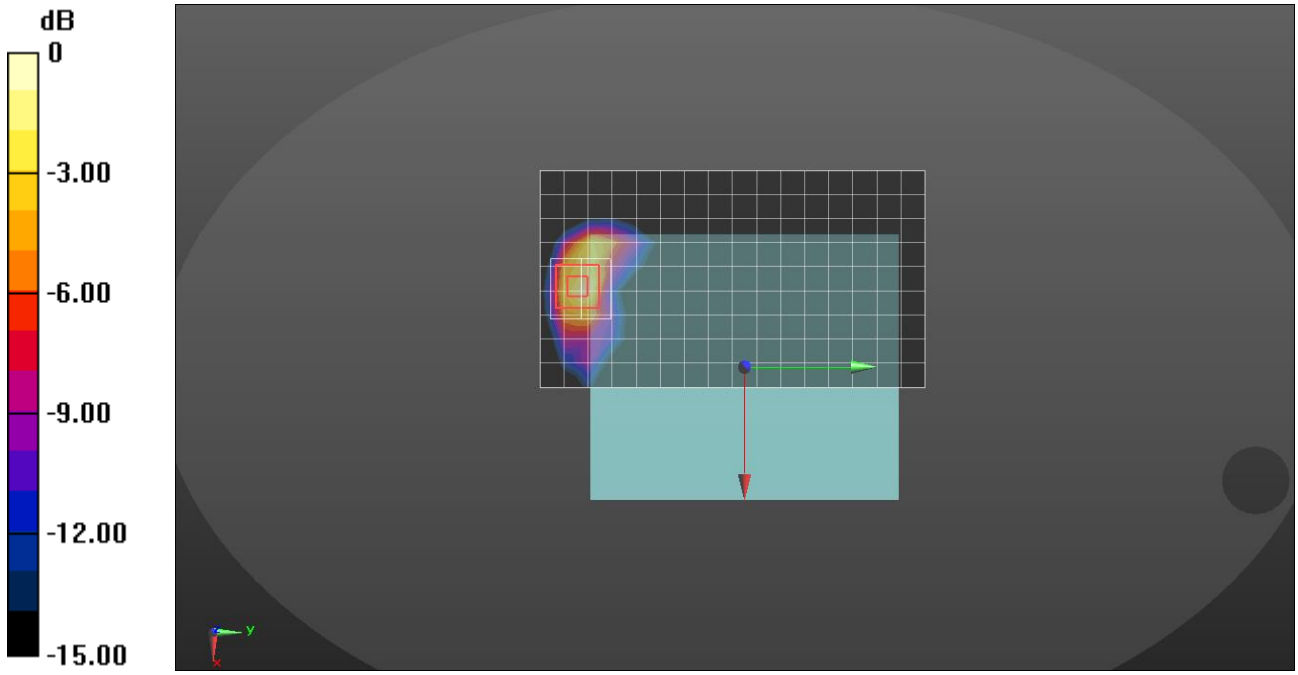
Bluetooth

Frequency: 2441 MHz; Communication System Channel Number: 39; Duty Cycle: 1:1.17625
Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.81 S/m; ε_r = 38.518; ρ = 1000 kg/m^3

DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn1591; Calibrated: 2/16/2024
- Probe: EX3DV4 - SN7545; ConvF(7.52, 7.52, 7.52) @ 2441 MHz; Calibrated: 8/25/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v6.0; Phantom section: Flat Section ; Type: QDOVA003AA
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Front/Bluetooth GFSK ch.39 MIMO Ant.2/Area Scan (17x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 2.05 W/kg

Front/Bluetooth GFSK ch.39 MIMO Ant.2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 36.43 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 5.52 W/kg
SAR(1 g) = 1.55 W/kg; SAR(10 g) = 0.562 W/kg
Smallest distance from peaks to all points 3 dB below = 4.1 mm
Ratio of SAR at M2 to SAR at M1 = 28.4%
Maximum value of SAR (measured) = 3.53 W/kg



UL Korea, Ltd. Suwon Laboratory SAR#7
Date/Time:2024-03-18

Measurement Report for SM-F956U, BACK, CLA13, CW, Channel 13600 (13.6 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	CLA13	CW, 0--	13.6	16.33	0.717	56.6

Hardware Setup

Phantom	TSL (Tissue Simulating Liquid)	Probe, Calibration Date	DAE, Calibration Date
ELI V6.0 (20deg probe tilt) - 2005	HBBL-600-10000	EX3DV4 - SN7313, 2024-02-21	DAE4 Sn912, 2023-11-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	180.0 x 210.0	36.0 x 36.0 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

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.026	0.031
psSAR10g [W/Kg]	0.017	0.012
Power Drift [dB]		0.10
M2/M1 [%]		60.0
Dist 3dB Peak [mm]		6.1