

Appendix B. – SAR Test Plots

EUT Type: Mobile Phone
Ambient Temperature: 21.7 °C
Liquid Temperature: 21.6 °C
Test Date: 05/09/2025
Band: UMTS Band 4_ Ant I
Plot No.: A1

Measurement Report for Device, CHEEK, Band 4, UMTS-FDD (WCDMA), Channel 1412 (1732.400 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 4	WCDMA, 10011-CAC	1732.400, 1412	8.05	1.32	40.5

Hardware Setup

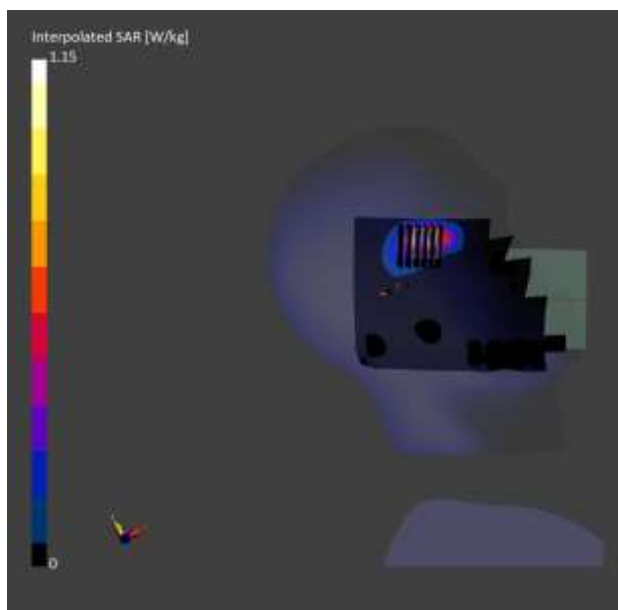
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

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]	0.430	0.520
psSAR10g [W/Kg]	0.218	0.234
Power Drift [dB]	-0.18	0.16



EUT Type: Mobile Phone
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 05/08/2025
Band: UMTS Band 2_ Ant I
Plot No.: A2

Measurement Report for Device, CHEEK, Band 2, UMTS-FDD (WCDMA), Channel 9400 (1880.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 2	WCDMA, 10011-CAC	1880.000, 9400	7.81	1.36	40.0

Hardware Setup

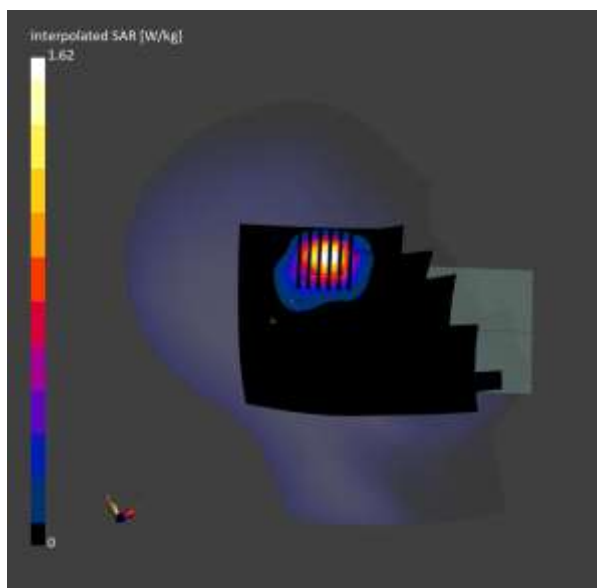
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

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]	0.438	0.662
psSAR10g [W/Kg]	0.223	0.274
Power Drift [dB]	-0.07	-0.05



EUT Type: Mobile Phone
Ambient Temperature: 21.4 °C
Liquid Temperature: 21.1 °C
Test Date: 05/10/2025
Band: LTE Band 7_ Ant I
Plot No.: A3

Measurement Report for Device, CHEEK, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
RBPosition:Low, Channel 21350 (2560.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 7	LTE-FDD, 10169-CAF	2560.000, 21350	7.32	1.92	40.3

Hardware Setup

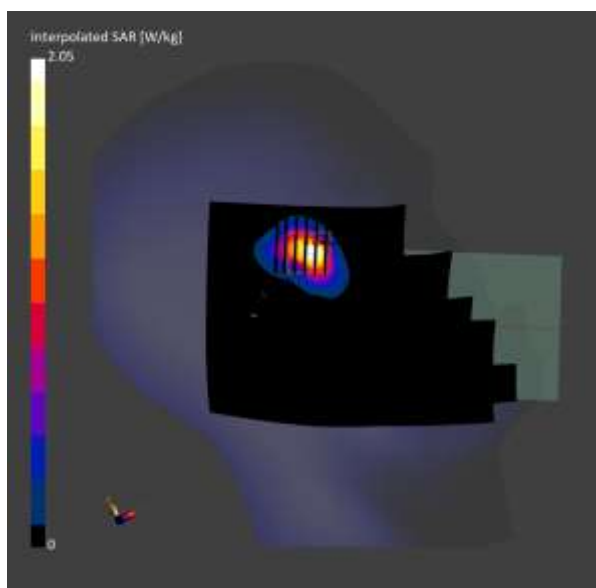
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.661	0.700
psSAR10g [W/Kg]	0.277	0.265
Power Drift [dB]	0.18	-0.16



EUT Type: Mobile Phone
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 05/08/2025
Band: LTE Band 25_ Ant I
Plot No.: A4

Measurement Report for Device, CHEEK, 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], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 25	LTE-FDD, 10169-CAF	1860.000, 26140	7.81	1.38	40.3

Hardware Setup

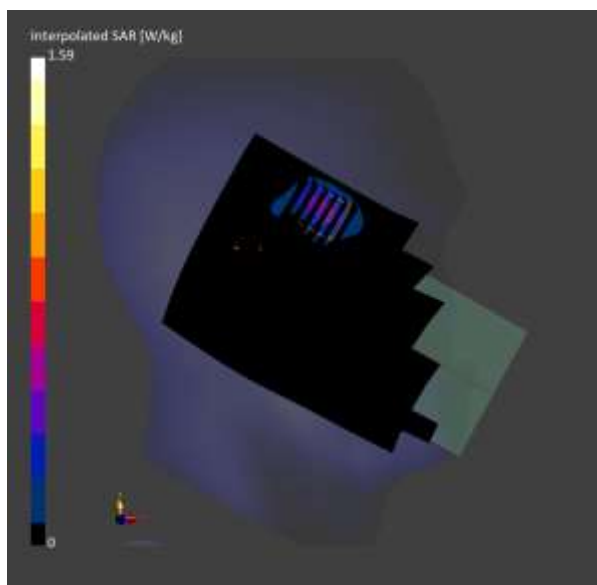
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22 DAE, Calibration Date DAE4 Sn446, 2025-03-19

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]	0.444	0.650
psSAR10g [W/Kg]	0.227	0.276
Power Drift [dB]	-0.13	-0.16



EUT Type: Mobile Phone
Ambient Temperature: 21.3 °C
Liquid Temperature: 21.2 °C
Test Date: 05/11/2025
Band: LTE Band 30_ Ant I
Plot No.: A5

Measurement Report for Device, CHEEK, Band 30, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)
RBPosition:High, Channel 27710 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 30	LTE-FDD, 10175-CAH	2310.000, 27710	7.64	1.71	38.7

Hardware Setup

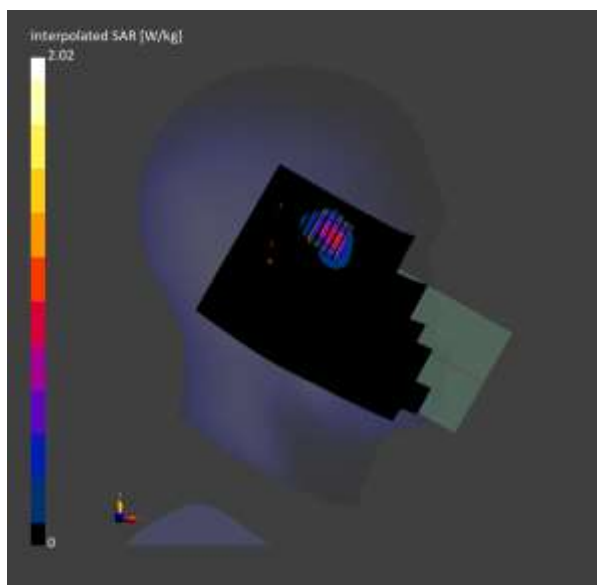
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	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	0.720
psSAR10g [W/Kg]	0.303	0.278
Power Drift [dB]	-0.16	-0.10



EUT Type: Mobile Phone
Ambient Temperature: 21.5 °C
Liquid Temperature: 21.3 °C
Test Date: 05/10/2025
Band: LTE Band 41_ Ant I
Plot No.: A6

Measurement Report for Device, CHEEK, Band 41, LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK), Channel 41055 (2636.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 41	LTE-TDD, 10151-CAH	2636.500, 41055	7.32	2.02	40.0

Hardware Setup

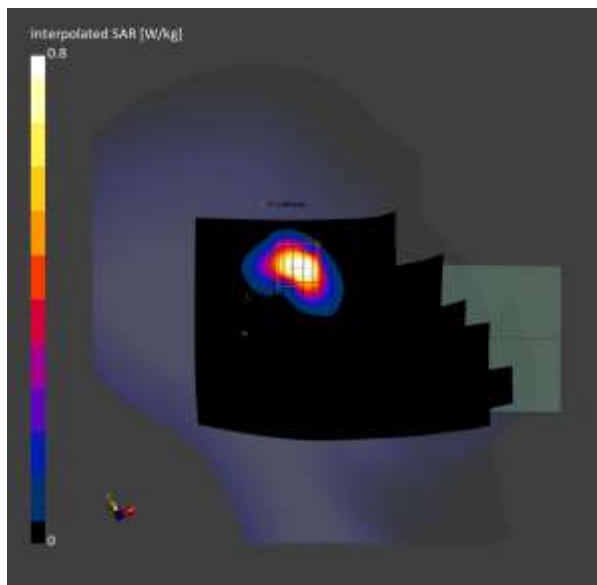
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.664	0.704
psSAR10g [W/Kg]	0.276	0.263
Power Drift [dB]	0.07	0.19



EUT Type: Mobile Phone
Ambient Temperature: 21.7 °C
Liquid Temperature: 21.6 °C
Test Date: 05/09/2025
Band: LTE Band 66_ Ant I
Plot No.: A7

Measurement Report for Device, CHEEK, Band 66, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
RBPosition:Mid, Channel 132572 (1770.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band 66	LTE-FDD, 10169-CAF	1770.000, 132572	8.05	1.34	40.4

Hardware Setup

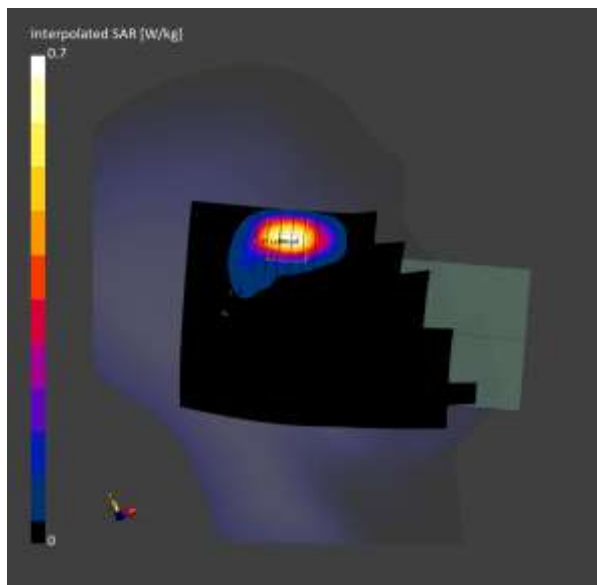
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

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]	0.527	0.647
psSAR10g [W/Kg]	0.262	0.293
Power Drift [dB]	-0.17	-0.19



EUT Type: Mobile Phone
Ambient Temperature: 21.4 °C
Liquid Temperature: 21.2 °C
Test Date: 05/13/2025
Band: NR Band n7_Ant I
Plot No.: A8

Measurement Report for Device, CHEEK, Band n7, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 507000 (2535.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.000, 507000	7.32	1.95	38.0

Hardware Setup

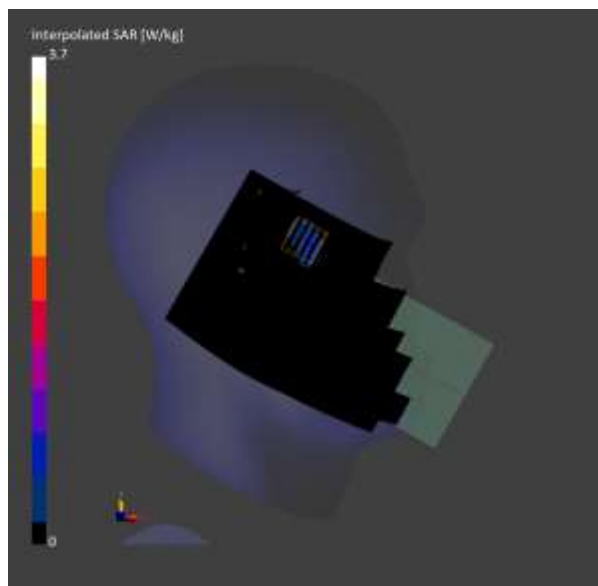
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2050	EX3DV4 - SN7681, 2024-11-22	DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.611	0.725
psSAR10g [W/Kg]	0.253	0.259
Power Drift [dB]	0.19	0.12



EUT Type: Mobile Phone
Ambient Temperature: 20.9 °C
Liquid Temperature: 20.8 °C
Test Date: 05/12/2025
Band: NR Band n25_ Ant I
Plot No.: A9

Measurement Report for Device, CHEEK, Band n25, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 376500 (1882.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n25	5G NR FR1 FDD, 10942-AAC	1882.500, 376500	7.81	1.41	40.6

Hardware Setup

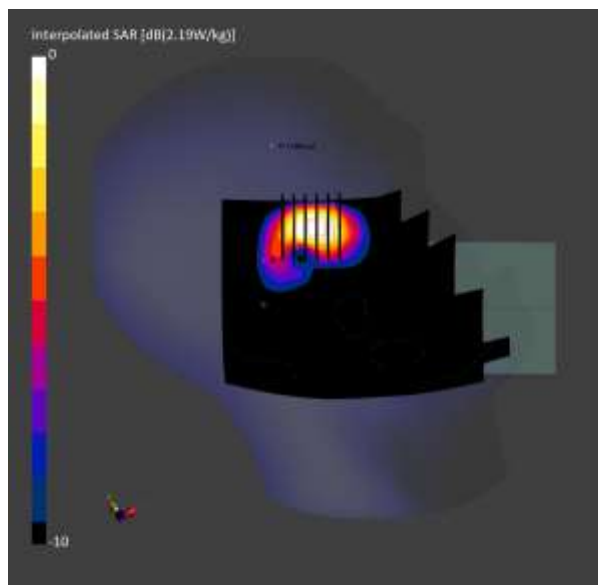
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2050	EX3DV4 - SN7681, 2024-11-22	DAE4 Sn446, 2025-03-19

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]	0.307	0.539
psSAR10g [W/Kg]	0.157	0.249
Power Drift [dB]	-0.14	0.12



EUT Type: Mobile Phone
Ambient Temperature: 21.3 °C
Liquid Temperature: 21.2 °C
Test Date: 05/11/2025
Band: NR Band n30_ Ant I
Plot No.: A10

Measurement Report for Device, CHEEK, Band n30, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 462000 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.000, 462000	7.64	1.70	38.7

Hardware Setup

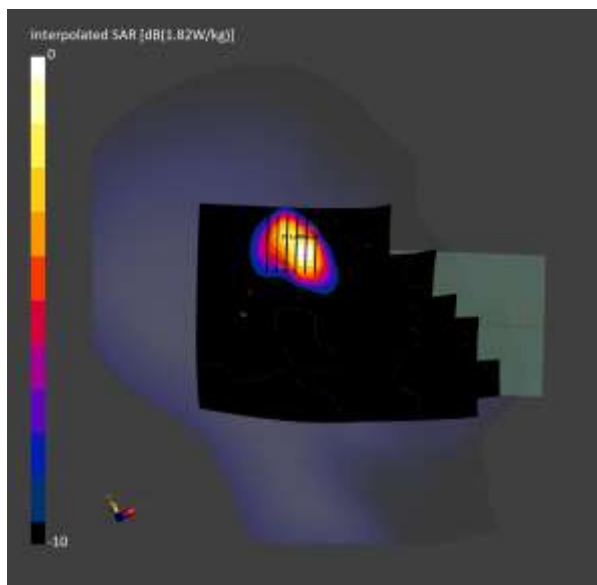
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22
 Probe, Calibration Date DAE, Calibration Date
 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.435	0.522
psSAR10g [W/Kg]	0.190	0.207
Power Drift [dB]	0.15	0.12



EUT Type: Mobile Phone
Ambient Temperature: 21.1 °C
Liquid Temperature: 21.0 °C
Test Date: 05/14/2025
Band: NR Band n41_ Ant I
Plot No.: A11

Measurement Report for Device, CHEEK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.32	2.01	39.2

Hardware Setup

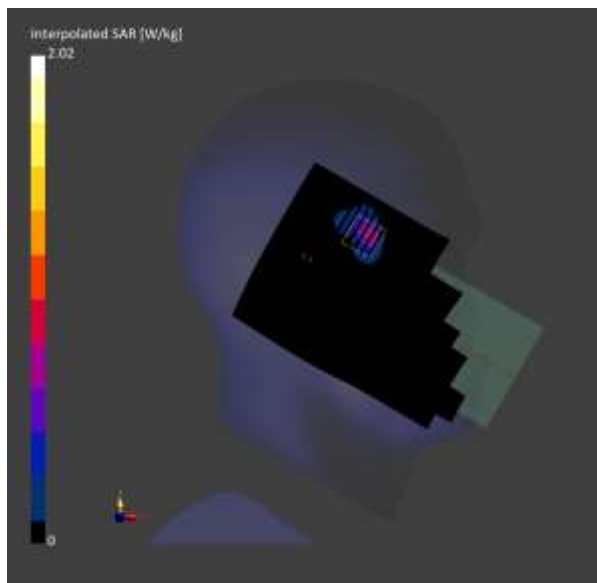
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.582	0.671
psSAR10g [W/Kg]	0.241	0.248
Power Drift [dB]	0.05	0.17



EUT Type: Mobile Phone
Ambient Temperature: 21.0 °C
Liquid Temperature: 20.8 °C
Test Date: 05/15/2025
Band: NR Band n41_ SRS B
Plot No.: A12

Measurement Report for Device, CHEEK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.4	2.02	39.3

Hardware Setup

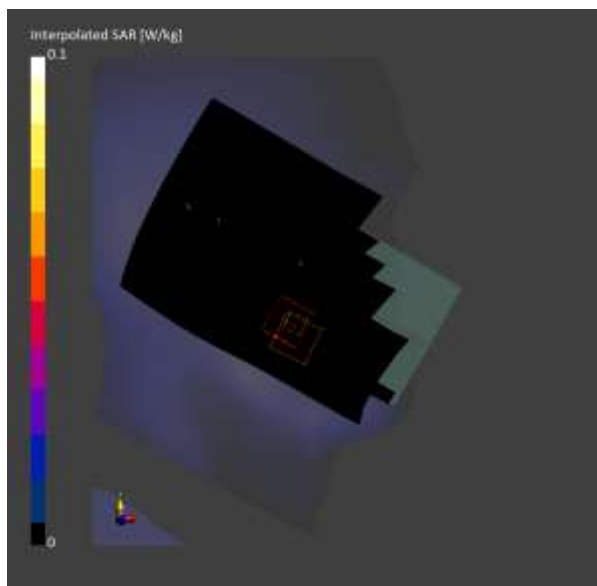
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - xxxx EX3DV4 - SN3797, 2025-01-21 DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.003	0.003
psSAR10g [W/Kg]	0.002	0.001
Power Drift [dB]	0.14	0.10



EUT Type: Mobile Phone
Ambient Temperature: 21.0 °C
Liquid Temperature: 20.8 °C
Test Date: 05/15/2025
Band: NR Band n41_ SRS F
Plot No.: A13

Measurement Report for Device, CHEEK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.4	2.02	39.3

Hardware Setup

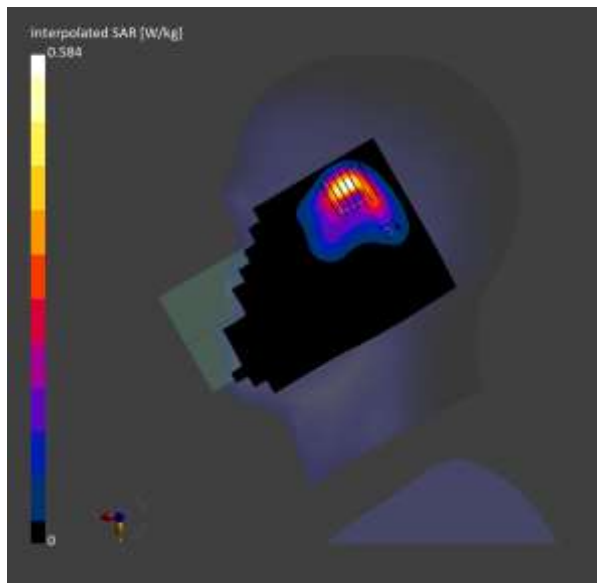
Phantom Twin-SAM V8.0 (30deg probe tilt) - xxxx
 Probe, Calibration Date EX3DV4 - SN3797, 2025-01-21
 DAE, Calibration Date DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.252	0.262
psSAR10g [W/Kg]	0.109	0.112
Power Drift [dB]	-0.08	0.04



EUT Type: Mobile Phone
Ambient Temperature: 21.0 °C
Liquid Temperature: 20.8 °C
Test Date: 05/15/2025
Band: NR Band n41_ SRS C
Plot No.: A14

Measurement Report for Device, CHEEK, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
RightHead, Head Simulating Liquid	CHEEK, 0.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.4	2.02	39.3

Hardware Setup

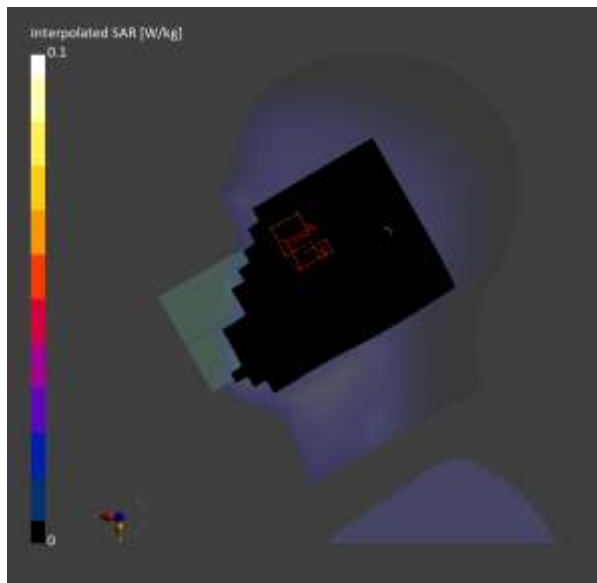
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - xxxx EX3DV4 - SN3797, 2025-01-21 DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	120.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.003	0
psSAR10g [W/Kg]	0	0
Power Drift [dB]	0.17	0.00



EUT Type: Mobile Phone
Ambient Temperature: 21.4 °C
Liquid Temperature: 21.2 °C
Test Date: 05/15/2025
Band: NR Band n66_ Ant I
Plot No.: A15

Measurement Report for Device, CHEEK, Band n66, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)
RBPosition:Mid AntennaCfg:SISO, Channel 349000 (1745.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n66	5G NR FR1 FDD, 10934-AAC	1745.000, 349000	8.05	1.32	40.8

Hardware Setup

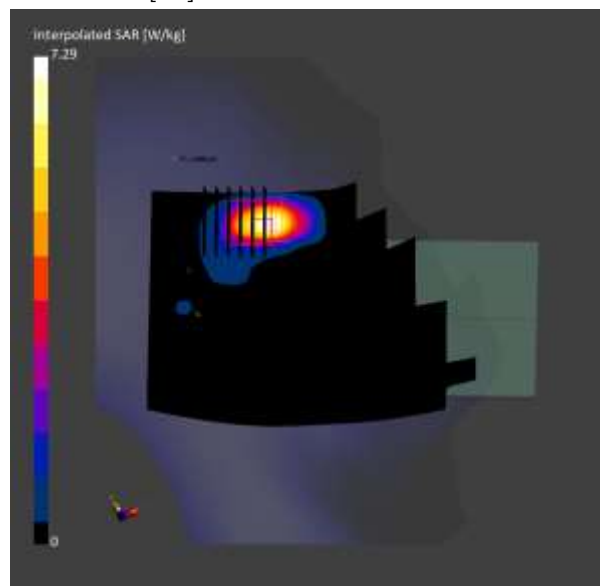
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
 DAE, Calibration Date DAE4 Sn446, 2025-03-19

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]	0.362	0.443
psSAR10g [W/Kg]	0.176	0.182
Power Drift [dB]	0.11	-0.15



EUT Type: Mobile Phone
Ambient Temperature: 20.2 °C
Liquid Temperature: 20.1 °C
Test Date: 05/13/2025
Band: NR Band n70_ Ant I
Plot No.: A16

Measurement Report for Device, CHEEK, Band n70, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 340500 (1702.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
LeftHead, Head Simulating Liquid	CHEEK, 0.00	Band n70	5G NR FR1 FDD, 10930-AAC	1702.500, 340500	7.63	1.32	40.4

Hardware Setup

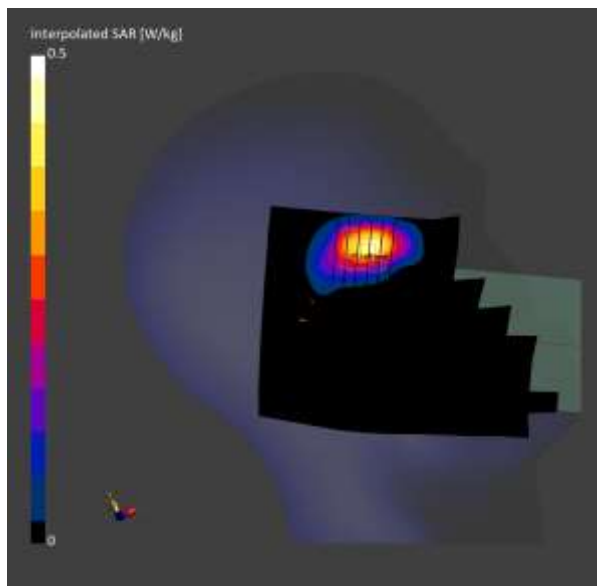
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2049	EX3DV4 - SN7907, 2024-12-27	DAE4 Sn504, 2025-01-17

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]	0.351	0.439
psSAR10g [W/Kg]	0.182	0.220
Power Drift [dB]	0.07	0.17



EUT Type: Mobile Phone
Ambient Temperature: 21.7 °C
Liquid Temperature: 21.6 °C
Test Date: 05/09/2025
Band: UMTS Band 4_ Ant I
Plot No.: B1

Measurement Report for Device, EDGE RIGHT, Band 4, UMTS-FDD (WCDMA), Channel 1412 (1732.400 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band 4	WCDMA, 10011-CAC	1732.400, 1412	8.05	1.32	40.5

Hardware Setup

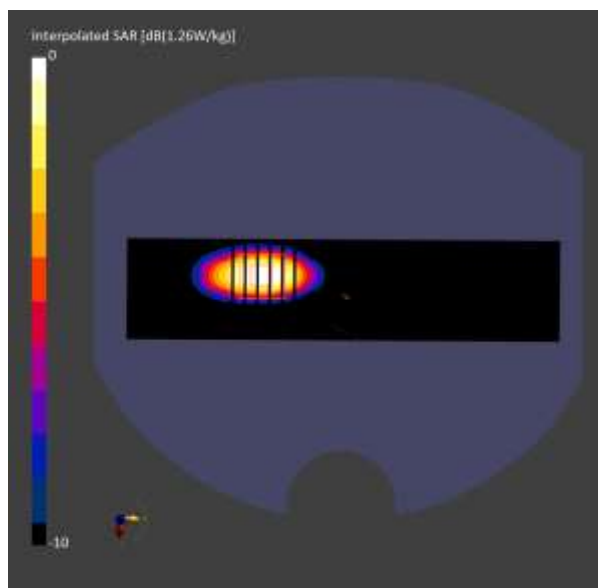
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22
 Probe, Calibration Date DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 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]	0.639	0.646
psSAR10g [W/Kg]	0.307	0.306
Power Drift [dB]	-0.10	-0.14



EUT Type: Mobile Phone
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 05/08/2025
Band: UMTS Band 2_ Ant I
Plot No.: B2

Measurement Report for Device, EDGE RIGHT, Band 2, UMTS-FDD (WCDMA), Channel 9400 (1880.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band 2	WCDMA, 10011-CAC	1880.000, 9400	7.81	1.36	40.0

Hardware Setup

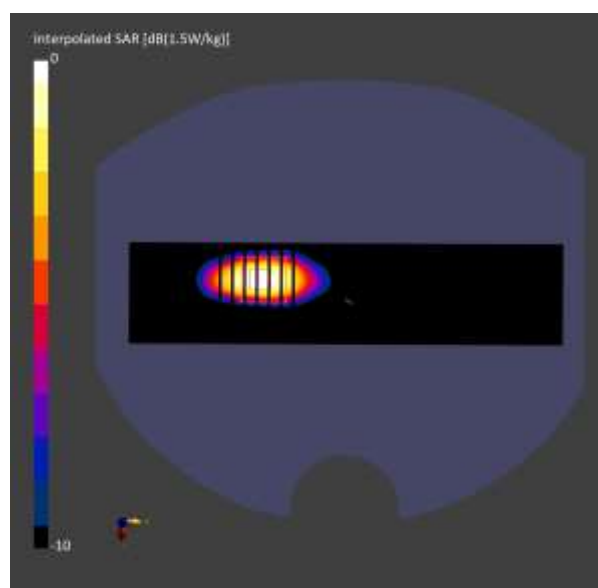
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22
 Probe, Calibration Date DAE, Calibration Date
 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 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]	0.730	0.722
psSAR10g [W/Kg]	0.333	0.328
Power Drift [dB]	-0.08	-0.12



EUT Type: Mobile Phone
Ambient Temperature: 21.4 °C
Liquid Temperature: 21.1 °C
Test Date: 05/10/2025
Band: LTE Band 7_ Ant I
Plot No.: B3

Measurement Report for Device, EDGE RIGHT, Band 7, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
RBPosition:Low, Channel 21350 (2560.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band 7	LTE-FDD, 10169-CAF	2560.000, 21350	7.32	1.92	40.3

Hardware Setup

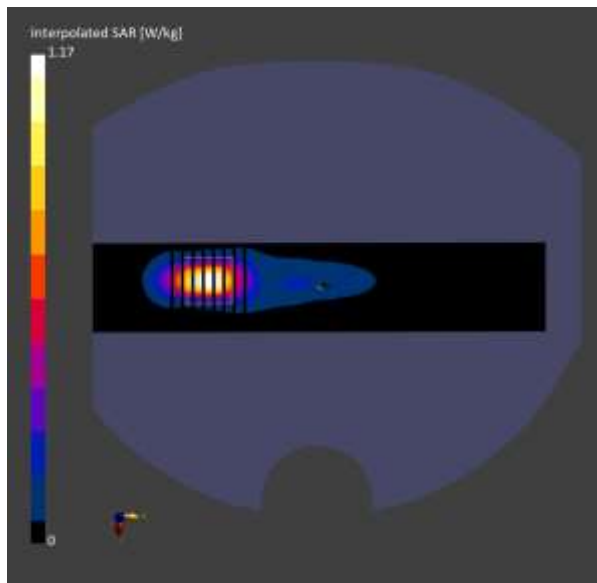
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.490	0.520
psSAR10g [W/Kg]	0.194	0.200
Power Drift [dB]	-0.03	0.19



EUT Type: Mobile Phone
Ambient Temperature: 21.8 °C
Liquid Temperature: 21.6 °C
Test Date: 05/08/2025
Band: LTE Band 25_ Ant I
Plot No.: B4

Measurement Report for Device, EDGE RIGHT, 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], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band 25	LTE-FDD, 10169-CAF	1882.500, 26365	7.81	1.39	40.3

Hardware Setup

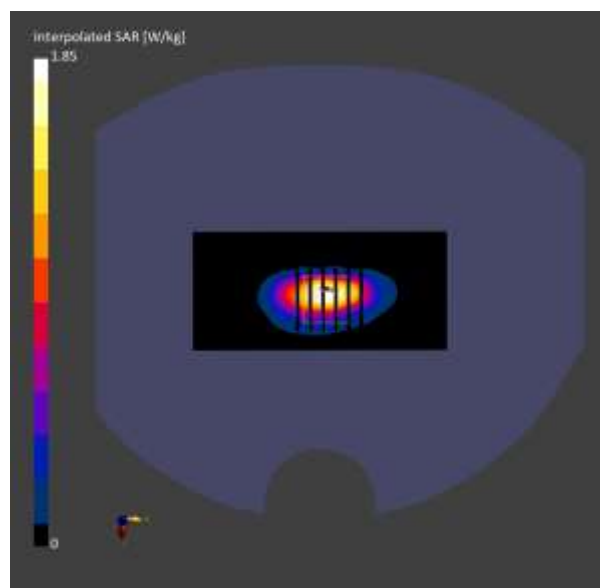
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	56.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	14.0 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]	0.708	0.847
psSAR10g [W/Kg]	0.325	0.376
Power Drift [dB]	0.08	0.11



EUT Type: Mobile Phone
Ambient Temperature: 21.3 °C
Liquid Temperature: 21.2 °C
Test Date: 05/11/2025
Band: LTE Band 30_ Ant I
Plot No.: B5

Measurement Report for Device, EDGE RIGHT, Band 30, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)
RBPosition:Mid AntennaCfg:SISO, Channel 27710 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band 30	LTE-FDD, 10175-CAH	2310.000, 27710	7.64	1.71	38.7

Hardware Setup

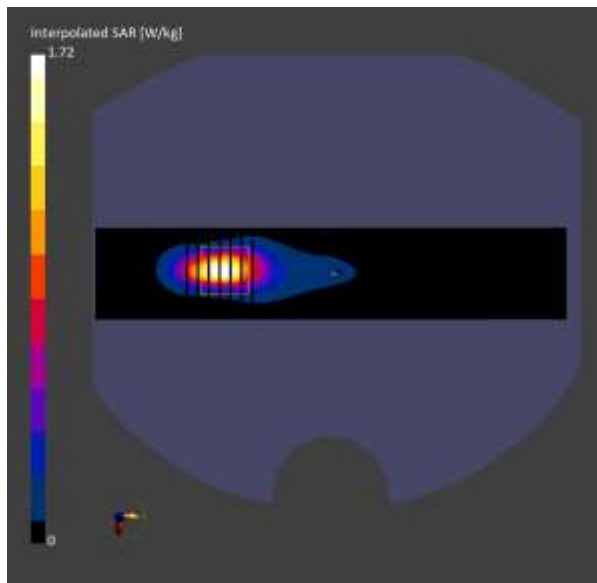
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.747	0.756
psSAR10g [W/Kg]	0.303	0.306
Power Drift [dB]	-0.16	-0.04



EUT Type: Mobile Phone
Ambient Temperature: 21.5 °C
Liquid Temperature: 21.3 °C
Test Date: 05/10/2025
Band: LTE Band 41_ Ant I
Plot No.: B6

Measurement Report for Device, EDGE RIGHT, Band 41, LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) RBPosition:Mid AntennaCfg:SISO, Channel 40620 (2593.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band 41	LTE-TDD, 10494-AAG	2593.000, 40620	7.32	1.98	40.0

Hardware Setup

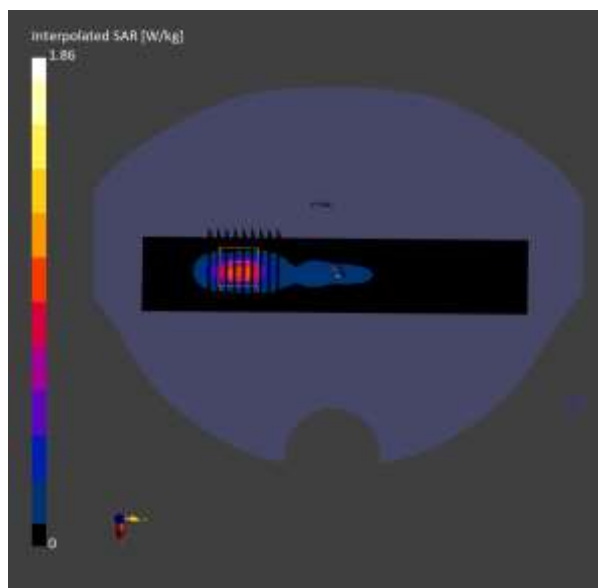
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.774	0.820
psSAR10g [W/Kg]	0.303	0.311
Power Drift [dB]	0.09	-0.07



EUT Type: Mobile Phone
Ambient Temperature: 21.7 °C
Liquid Temperature: 21.6 °C
Test Date: 05/09/2025
Band: LTE Band 66_ Ant I
Plot No.: B7

Measurement Report for Device, EDGE RIGHT, Band 66, LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)
RBPosition:Mid AntennaCfg:SISO, Channel 132572 (1770.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band 66	LTE-FDD, 10297-AAE	1770.000, 132572	8.05	1.34	40.4

Hardware Setup

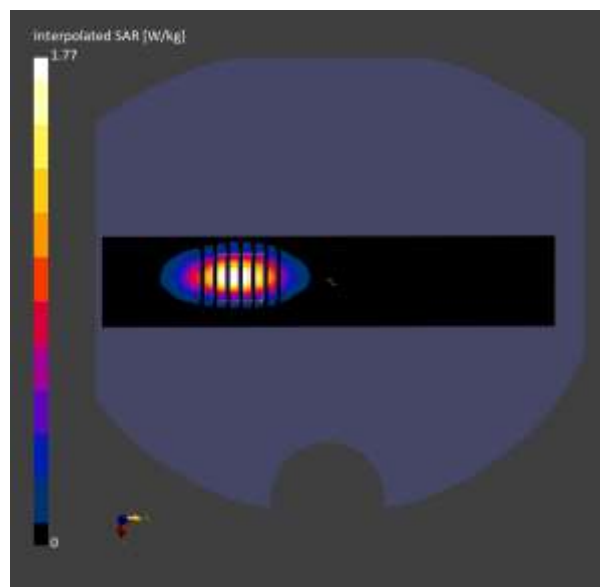
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 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]	0.881	0.882
psSAR10g [W/Kg]	0.411	0.415
Power Drift [dB]	-0.06	-0.14



EUT Type: Mobile Phone
Ambient Temperature: 21.4 °C
Liquid Temperature: 21.2 °C
Test Date: 05/13/2025
Band: NR Band n7_ Ant I
Plot No.: B8

Measurement Report for Device, EDGE RIGHT, Band n7, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 507000 (2535.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band n7	5G NR FR1 FDD, 10934-AAC	2535.000, 507000	7.32	1.95	38.0

Hardware Setup

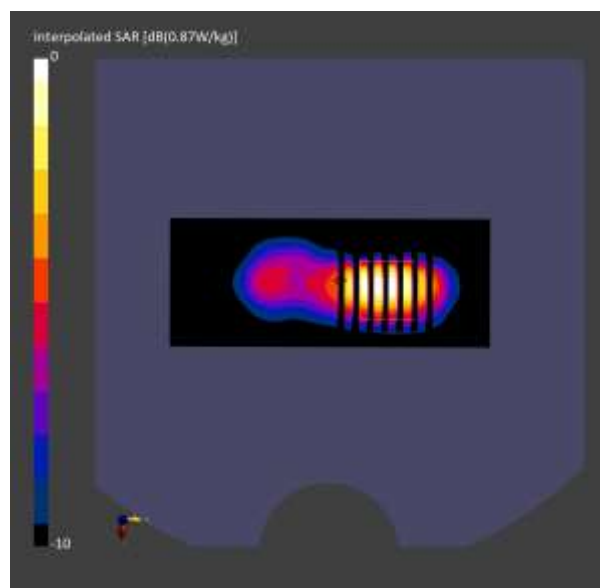
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22
 Probe, Calibration Date DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	48.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.642	0.724
psSAR10g [W/Kg]	0.268	0.282
Power Drift [dB]	0.01	-0.08



EUT Type: Mobile Phone
Ambient Temperature: 20.9 °C
Liquid Temperature: 20.8 °C
Test Date: 05/12/2025
Band: NR Band n25_ Ant I
Plot No.: B9

Measurement Report for Device, EDGE RIGHT, Band n25, 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 376500 (1882.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band n25	5G NR FR1 FDD, 10934-AAC	1882.500, 376500	7.81	1.41	40.6

Hardware Setup

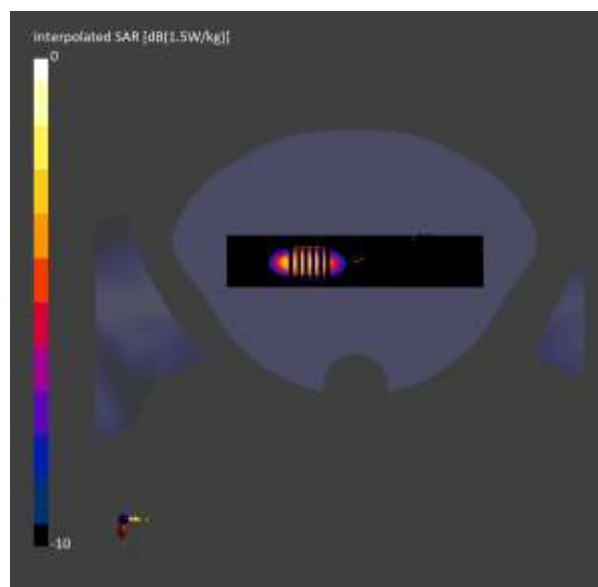
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2050	EX3DV4 - SN7681, 2024-11-22	DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 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]	0.771	0.784
psSAR10g [W/Kg]	0.358	0.367
Power Drift [dB]	0.03	-0.06



EUT Type: Mobile Phone
Ambient Temperature: 21.3 °C
Liquid Temperature: 21.2 °C
Test Date: 05/11/2025
Band: NR Band n30_ Ant I
Plot No.: B10

Measurement Report for Device, EDGE RIGHT, Band n30, 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 462000 (2310.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band n30	5G NR FR1 FDD, 10929-AAD	2310.000, 462000	7.64	1.74	38.8

Hardware Setup

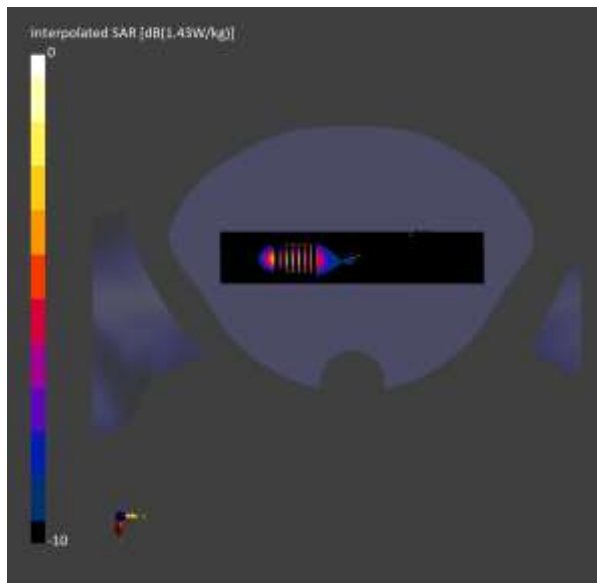
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.631	0.665
psSAR10g [W/Kg]	0.262	0.279
Power Drift [dB]	0.06	-0.12



EUT Type: Mobile Phone
Ambient Temperature: 21.1 °C
Liquid Temperature: 21.0 °C
Test Date: 05/14/2025
Band: NR Band n41_ Ant I
Plot No.: B11

Measurement Report for Device, EDGE RIGHT, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.32	2.01	39.2

Hardware Setup

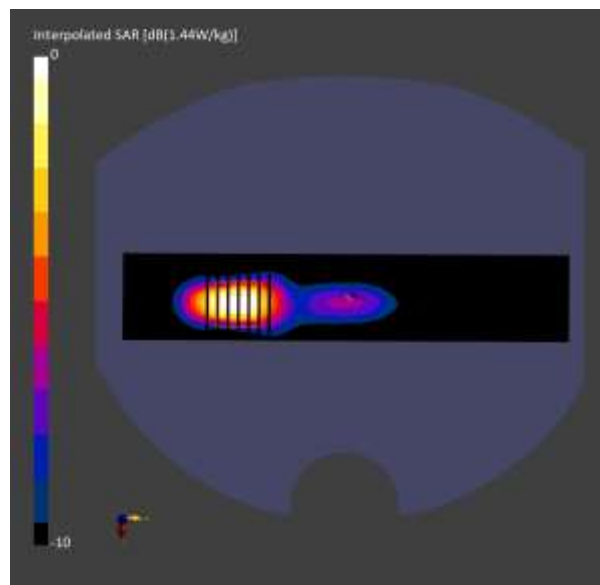
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2050	EX3DV4 - SN7681, 2024-11-22	DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.588	0.631
psSAR10g [W/Kg]	0.241	0.250
Power Drift [dB]	0.05	0.02



EUT Type: Mobile Phone
 Ambient Temperature: 21.0 °C
 Liquid Temperature: 20.8 °C
 Test Date: 05/15/2025
 Band: NR Band n41_ SRS.B
 Plot No.: B12

Measurement Report for Device, EDGE BOTTOM, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE BOTTOM, 5.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.4	2.02	39.3

Hardware Setup

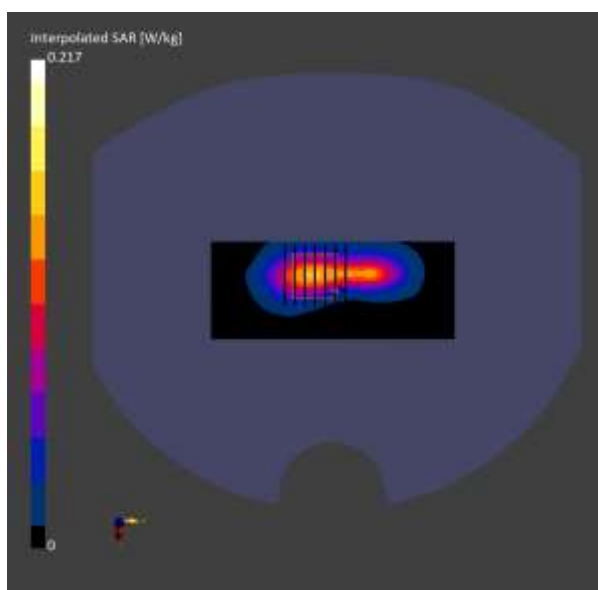
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3797, 2025-01-21	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	48.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	8.0 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]	0.112	0.119
psSAR10g [W/Kg]	0.052	0.059
Power Drift [dB]	-0.11	0.08



EUT Type: Mobile Phone
 Ambient Temperature: 21.0 °C
 Liquid Temperature: 20.8 °C
 Test Date: 05/15/2025
 Band: NR Band n41_ SRS.C
 Plot No.: B13

Measurement Report for Device, EDGE LEFT, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE LEFT, 5.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.4	2.02	39.3

Hardware Setup

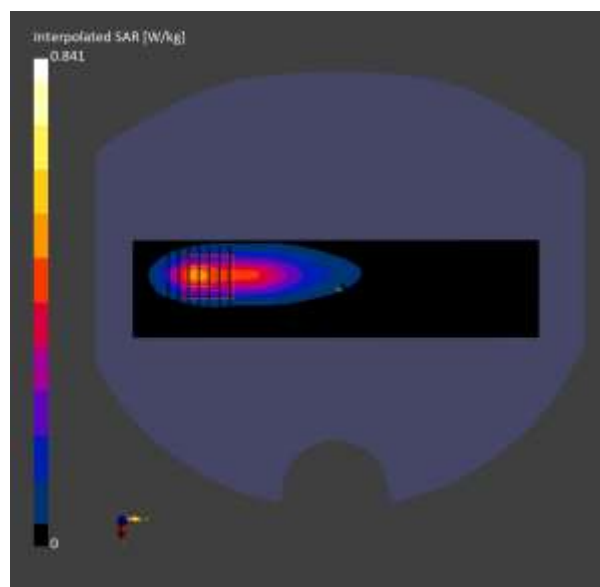
Phantom Twin-SAM V8.0 (30deg probe tilt) - xxxx
 Probe, Calibration Date EX3DV4 - SN3797, 2025-01-21
 DAE, Calibration Date DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	48.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	8.0 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]	0.393	0.394
psSAR10g [W/Kg]	0.175	0.179
Power Drift [dB]	-0.03	0.07



EUT Type: Mobile Phone
 Ambient Temperature: 21.0 °C
 Liquid Temperature: 20.8 °C
 Test Date: 05/15/2025
 Band: NR Band n41_ SRS.F
 Plot No.: B14

Measurement Report for Device, EDGE LEFT, Band n41, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 518598 (2592.990 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE LEFT, 5.00	Band n41	5G NR FR1 TDD, 10866-AAF	2592.990, 518598	7.4	2.02	39.3

Hardware Setup

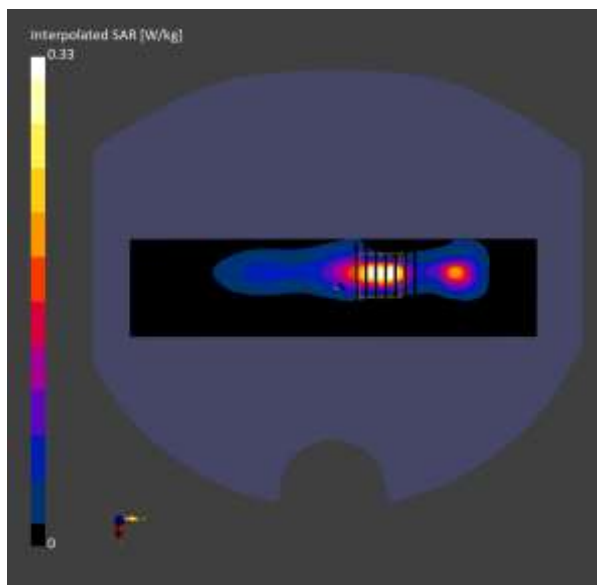
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN3797, 2025-01-21	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	48.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	8.0 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]	0.134	0.141
psSAR10g [W/Kg]	0.048	0.049
Power Drift [dB]	-0.14	0.09



EUT Type: Mobile Phone
Ambient Temperature: 21.4 °C
Liquid Temperature: 21.2 °C
Test Date: 05/15/2025
Band: NR Band n66_ Ant I
Plot No.: B15

Measurement Report for Device, EDGE RIGHT, Band n66, 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 349000 (1745.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band n66	5G NR FR1 FDD, 10942-AAC	1745.000, 349000	8.05	1.32	40.8

Hardware Setup

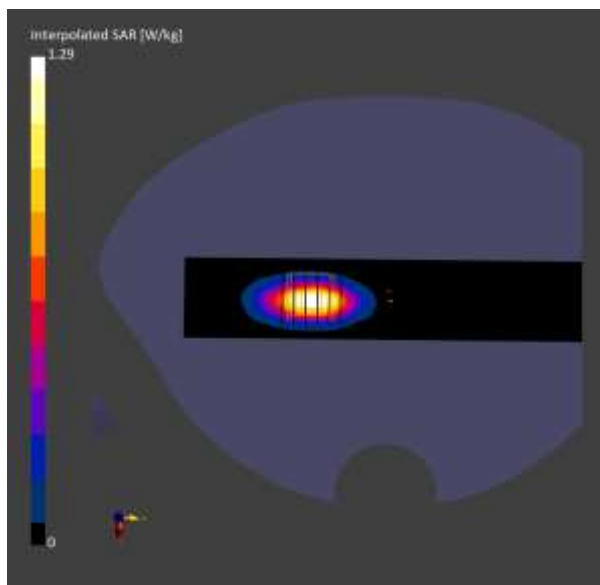
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2050	EX3DV4 - SN7681, 2024-11-22	DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 210.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 x 15.0	6.0 x 6.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.669	0.673
psSAR10g [W/Kg]	0.319	0.320
Power Drift [dB]	-0.15	-0.02



EUT Type: Mobile Phone
Ambient Temperature: 20.2 °C
Liquid Temperature: 20.1 °C
Test Date: 05/13/2025
Band: NR Band n70_ Ant I
Plot No.: B16

Measurement Report for Device, EDGE RIGHT, Band n70, 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) RBPosition:Mid AntennaCf:SISO, Channel 340500 (1702.500 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 0.00	Band n70	5G NR FR1 FDD, 10938-AAC	1702.500, 340500	7.63	1.32	40.4

Hardware Setup

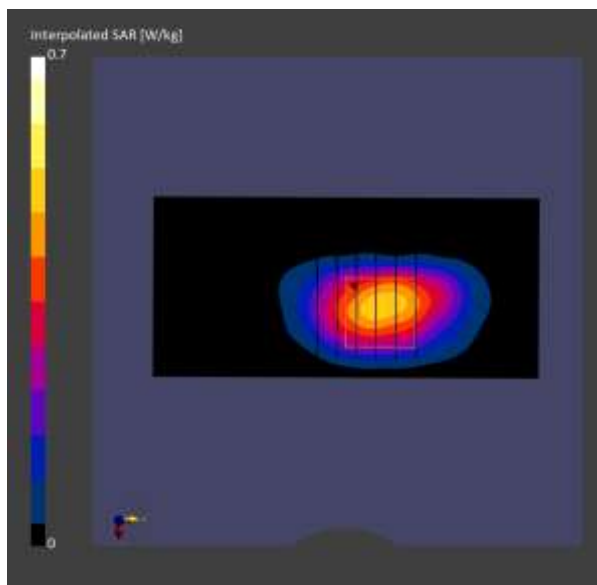
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2049 EX3DV4 - SN7907, 2024-12-27 DAE4 Sn504, 2025-01-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	56.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	14.0 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]	0.410	0.633
psSAR10g [W/Kg]	0.225	0.284
Power Drift [dB]	0.01	-0.02



EUT Type: Mobile Phone
Ambient Temperature: 21.1 °C
Liquid Temperature: 21.0 °C
Test Date: 05/14/2025
Band: NR Band n77_ Ant F
Plot No.: B17

Measurement Report for Device, EDGE LEFT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 662000 (3930.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE LEFT, 5.00	Band n77	5G NR FR1 TDD, 10866-AAF	3930.000, 662000	6.73	3.35	37.9

Hardware Setup

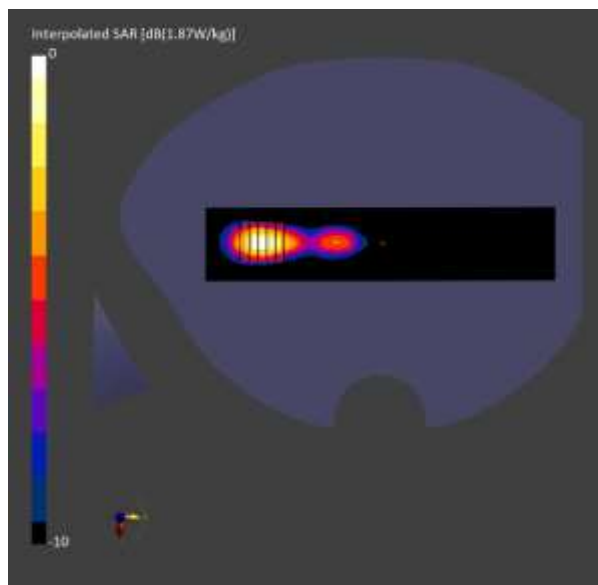
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2050	EX3DV4 - SN7681, 2024-11-22	DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 200.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	7.0 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]	0.651	0.650
psSAR10g [W/Kg]	0.222	0.219
Power Drift [dB]	-0.12	-0.08



EUT Type: Mobile Phone
Ambient Temperature: 21.0 °C
Liquid Temperature: 20.9 °C
Test Date: 05/16/2025
Band: NR Band n77_ Ant I
Plot No.: B18

Measurement Report for Device, EDGE RIGHT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 633334 (3500.010 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE RIGHT, 5.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.25	2.92	37.5

Hardware Setup

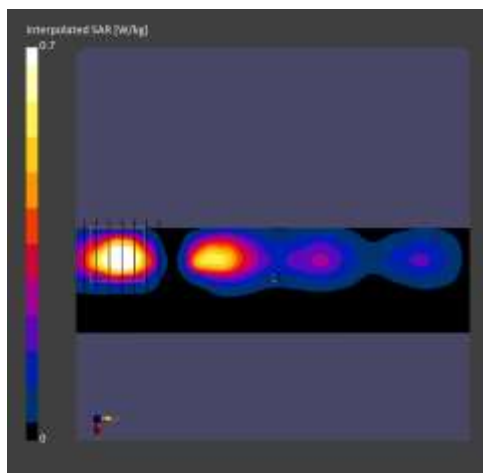
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7370, 2024-08-22	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 200.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	7.0 x 10.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.598	0.638
psSAR10g [W/Kg]	0.198	0.212
Power Drift [dB]	-0.03	-0.09



EUT Type: Mobile Phone
Ambient Temperature: 21.0 °C
Liquid Temperature: 20.9 °C
Test Date: 05/16/2025
Band: NR Band n77_ Ant E
Plot No.: B19

Measurement Report for Device, EDGE LEFT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCfg:SISO, Channel 633334 (3500.010 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE LEFT, 5.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.25	2.92	37.5

Hardware Setup

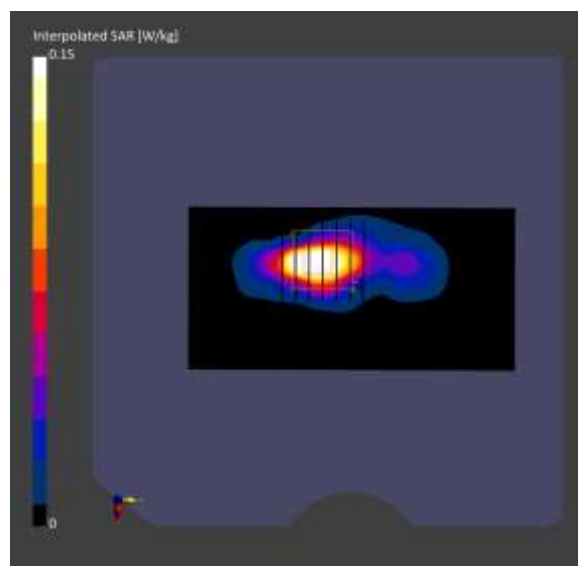
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7370, 2024-08-22	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	30.0 x 30.0 x 28.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 4.0
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.128	0.136
psSAR10g [W/Kg]	0.045	0.050
Power Drift [dB]	-0.02	-0.15



EUT Type: Mobile Phone
Ambient Temperature: 21.0 °C
Liquid Temperature: 20.9 °C
Test Date: 05/16/2025
Band: NR Band n77_AntC
Plot No.: B20

Measurement Report for Device, EDGE LEFT, Band n77, 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) RBPosition:Mid AntennaCf:SISO, Channel 633334 (3500.010 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	EDGE LEFT, 5.00	Band n77	5G NR FR1 TDD, 10866-AAF	3500.010, 633334	6.25	2.92	37.5

Hardware Setup

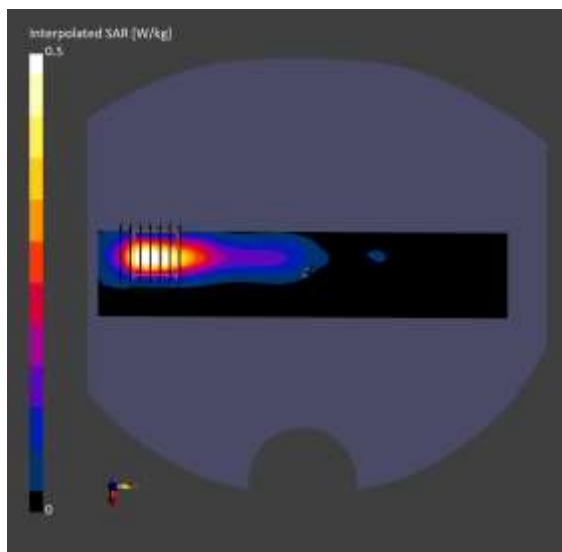
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7370, 2024-08-22	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 200.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	7.0 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]	0.387	0.417
psSAR10g [W/Kg]	0.144	0.150
Power Drift [dB]	0.00	0.10



Appendix C. – Dipole Verification Plots

Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.1 °C
 Test Date: 05/13/2025
 Band: NR Band n70_ Ant I

Measurement Report for Device, , , CW, Channel 0 (1640.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1640.000, 0	7.49	1.30	41.6

Hardware Setup

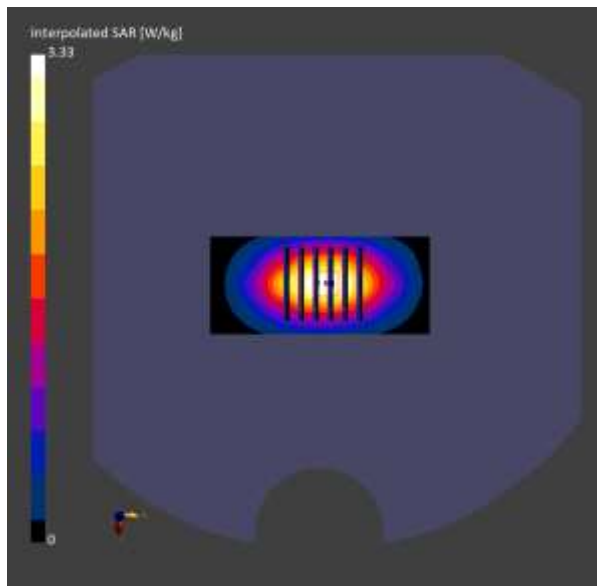
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2049
 Probe, Calibration Date EX3DV4 - SN7907, 2024-12-27
 DAE, Calibration Date DAE4 Sn504, 2025-01-17

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	1.79	1.83
psSAR10g [W/Kg]	0.993	1.02
Power Drift [dB]	0.12	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.6 °C
 Test Date: 05/09/2025
 Band: UMTS Band 4_ Ant I

Measurement Report for Device, , , CW, Channel 0 (1800.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1800.000, 0	8.05	1.37	40.5

Hardware Setup

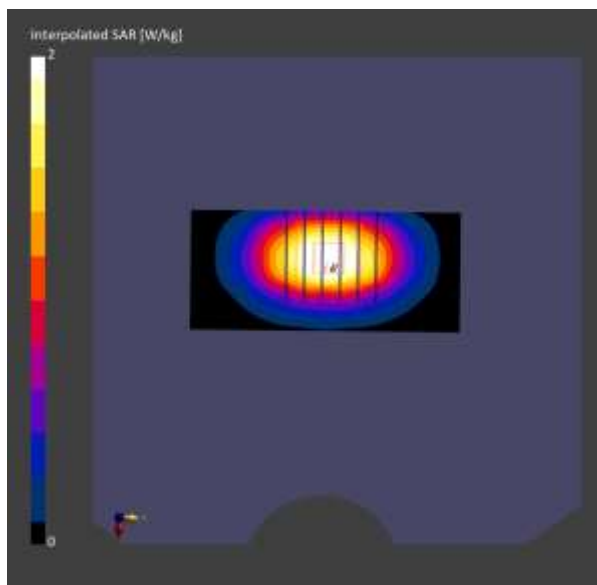
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	1.75	1.80
psSAR10g [W/Kg]	0.957	0.967
Power Drift [dB]	-0.02	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.6 °C
 Test Date: 05/09/2025
 Band: LTE Band 66_ Ant I

Measurement Report for Device, , , CW, Channel 0 (1800.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1800.000, 0	8.05	1.37	40.4

Hardware Setup

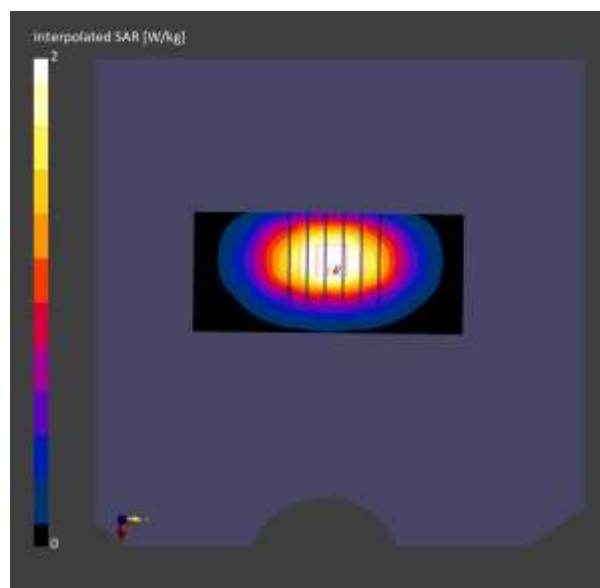
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	1.75	1.80
psSAR10g [W/Kg]	0.953	0.964
Power Drift [dB]	-0.03	-0.01



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.2 °C
Test Date: 05/15/2025
Band: NR Band n66_Ant I

Measurement Report for Device, , , CW, Channel 0 (1800.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1800.000, 0	8.05	1.36	40.7

Hardware Setup

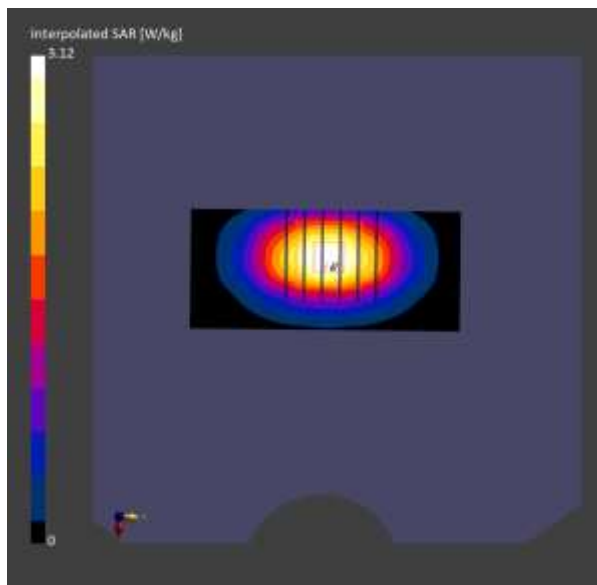
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	1.75	1.79
psSAR10g [W/Kg]	0.955	0.958
Power Drift [dB]	-0.10	-0.03



Test Laboratory: HCT CO., LTD

Input Power: 0.05 W
 Liquid Temperature: 21.6 °C
 Test Date: 05/08/2025
 Band: UMTS Band 2_ Ant I

Measurement Report for Device, , , CW, Channel 0 (1900.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1900.000, 0	7.81	1.37	39.9

Hardware Setup

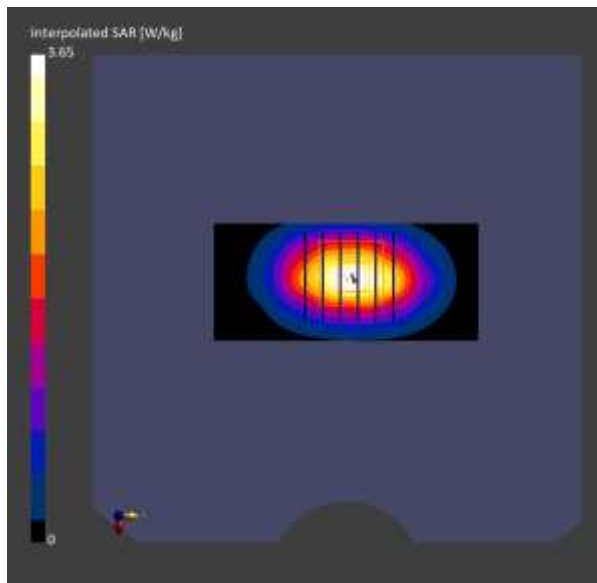
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	2.05	2.07
psSAR10g [W/Kg]	1.07	1.09
Power Drift [dB]	-0.00	0.00



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.6 °C
Test Date: 05/08/2025
Band: LTE Band 25_ Ant I

Measurement Report for Device, , , CW, Channel 0 (1900.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1900.000, 0	7.81	1.40	40.2

Hardware Setup

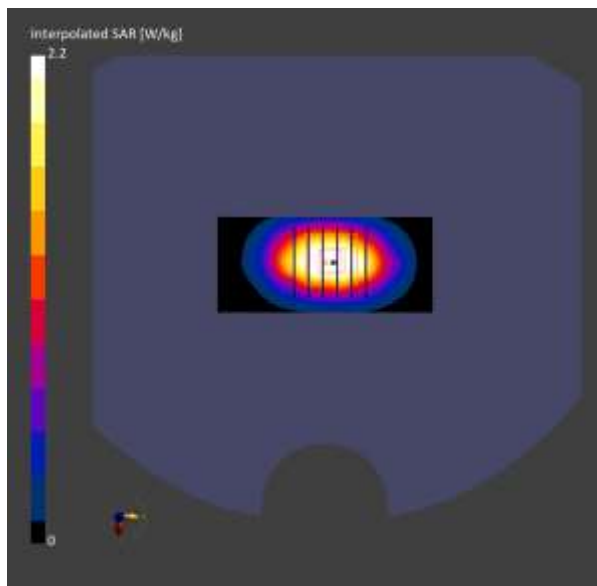
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	2.09	2.11
psSAR10g [W/Kg]	1.09	1.11
Power Drift [dB]	0.01	-0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.8 °C
 Test Date: 05/12/2025
 Band: NR Band n25_ Ant I

Measurement Report for Device, , , CW, Channel 0 (1900.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	1900.000, 0	7.81	1.41	40.5

Hardware Setup

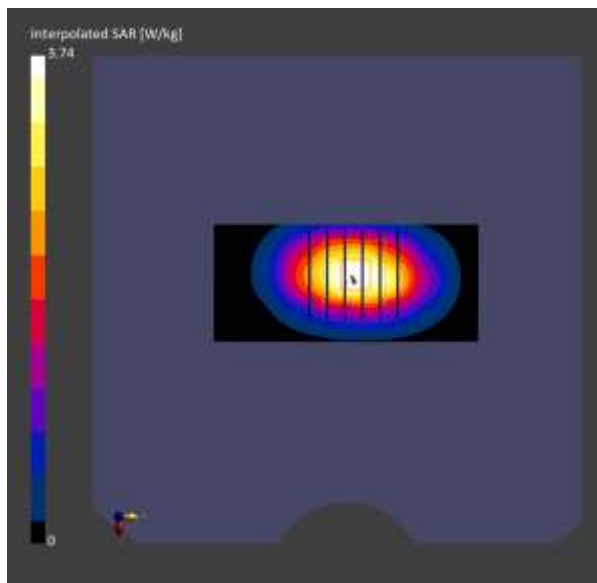
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 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]	2.02	2.08
psSAR10g [W/Kg]	1.07	1.10
Power Drift [dB]	-0.00	-0.01



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.2 °C
Test Date: 05/11/2025
Band: LTE Band 30_ Ant I

Measurement Report for Device, , , CW, Channel 0 (2300.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2300.000, 0	7.64	1.72	38.6

Hardware Setup

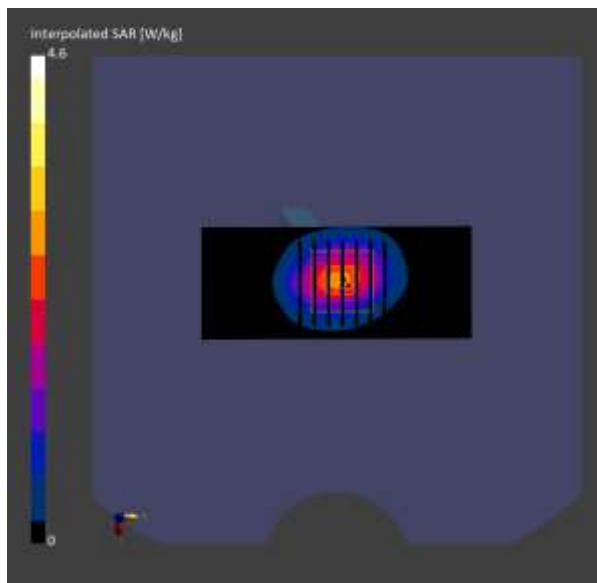
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.17	2.25
psSAR10g [W/Kg]	1.01	1.03
Power Drift [dB]	-0.04	0.09



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.2 °C
Test Date: 05/11/2025
Band: NR Band n30_ Ant I

Measurement Report for Device, , , CW, Channel 0 (2300.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2300.000, 0	7.64	1.75	38.8

Hardware Setup

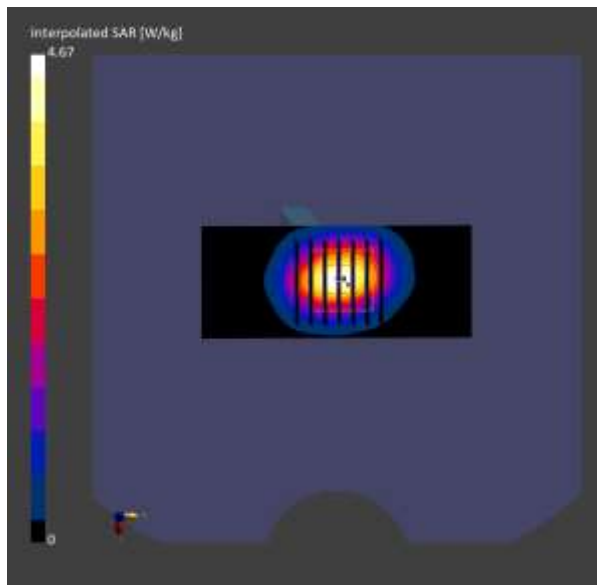
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 2050	EX3DV4 - SN7681, 2024-11-22	DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.28	2.31
psSAR10g [W/Kg]	1.06	1.06
Power Drift [dB]	0.01	-0.03



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.1 °C
 Test Date: 05/10/2025
 Band: LTE Band 7_ Ant I

Measurement Report for Device, , , CW, Channel 0 (2600.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2600.000, 0	7.32	2.04	40.0

Hardware Setup

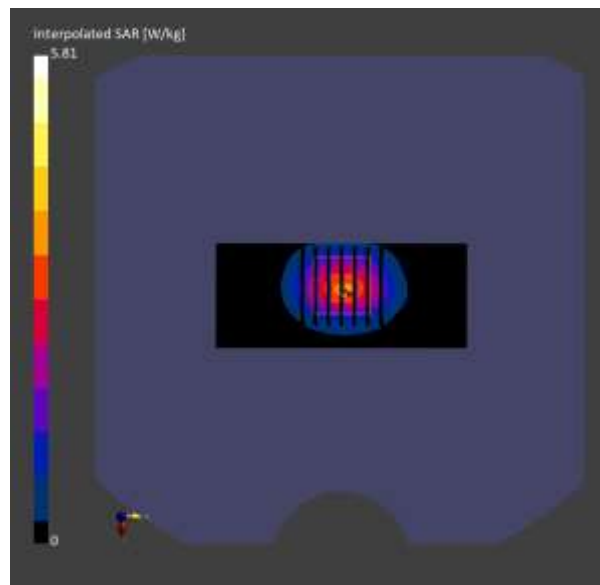
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.69	2.81
psSAR10g [W/Kg]	1.25	1.29
Power Drift [dB]	0.01	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.3 °C
 Test Date: 05/10/2025
 Band: LTE Band 41_ Ant I

Measurement Report for Device, , , CW, Channel 0 (2600.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2600.000, 0	7.32	1.94	40.0

Hardware Setup

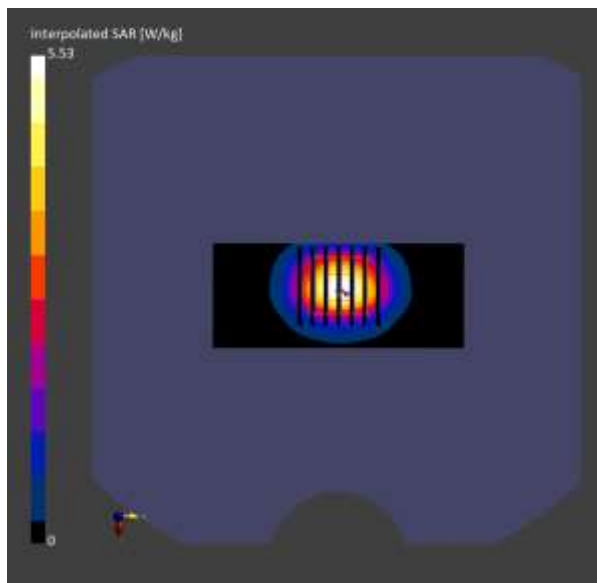
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.55	2.67
psSAR10g [W/Kg]	1.18	1.23
Power Drift [dB]	0.01	0.01



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 21.2 °C
 Test Date: 05/13/2025
 Band: NR Band n7_Ant I

Measurement Report for Device, , , CW, Channel 0 (2600.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2600.000, 0	7.32	2.02	37.7

Hardware Setup

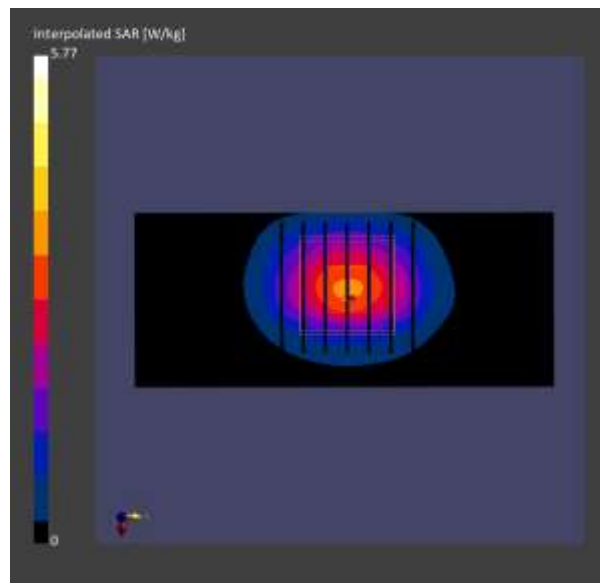
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.66	2.79
psSAR10g [W/Kg]	1.24	1.28
Power Drift [dB]	-0.02	-0.02



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 21.0 °C
Test Date: 05/14/2025
Band: NR Band n41_ Ant I

Measurement Report for Device, , , CW, Channel 0 (2600.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2600.000, 0	7.32	2.02	39.2

Hardware Setup

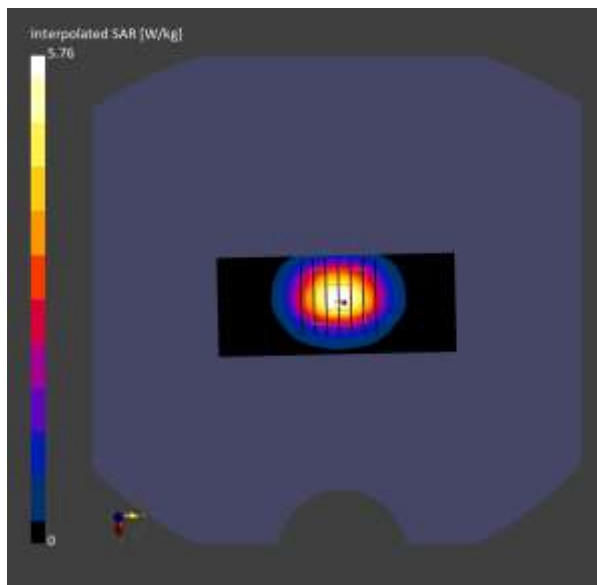
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - 2050 EX3DV4 - SN7681, 2024-11-22 DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 96.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 12.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.65	2.78
psSAR10g [W/Kg]	1.23	1.28
Power Drift [dB]	-0.01	-0.02



Test Laboratory: HCT CO., LTD

Input Power: 0.05 W
 Liquid Temperature: 20.8 °C
 Test Date: 05/15/2025
 Band: NR Band n41_ SRS

Measurement Report for Device, , , CW, Channel 0 (2600.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	2600.000, 0	7.4	2.03	39.3

Hardware Setup

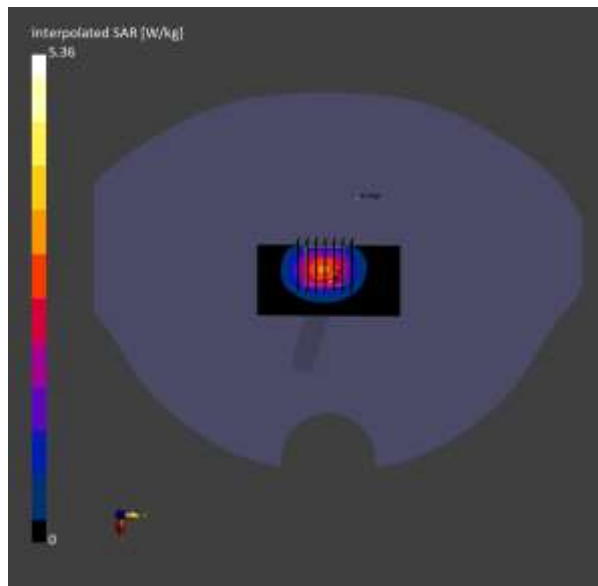
Phantom Probe, Calibration Date DAE, Calibration Date
 Twin-SAM V8.0 (30deg probe tilt) - xxxx EX3DV4 - SN3797, 2025-01-21 DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.50	2.73
psSAR10g [W/Kg]	1.19	1.27
Power Drift [dB]	0.00	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.6 °C
 Test Date: 05/16/2025
 Band: NR Band n77

Measurement Report for Device, , , CW, Channel 0 (3500.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3500.000, 0	6.95	2.93	38.6

Hardware Setup

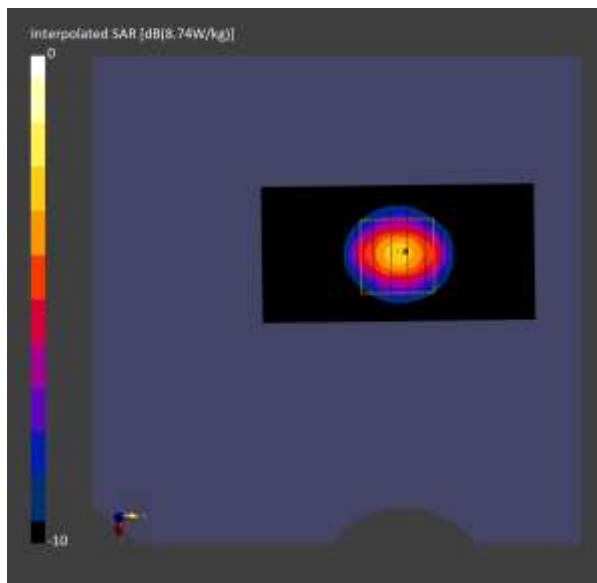
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
 Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
 DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 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]	3.19	3.40
psSAR10g [W/Kg]	1.19	1.28
Power Drift [dB]	-0.02	-0.02



Test Laboratory: HCT CO., LTD
 Input Power: 0.05 W
 Liquid Temperature: 20.9 °C
 Test Date: 05/16/2025
 Band: NR Band n77_ SRS

Measurement Report for Device, , , CW, Channel 0 (3500.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3500.000, 0	6.25	2.92	37.5

Hardware Setup

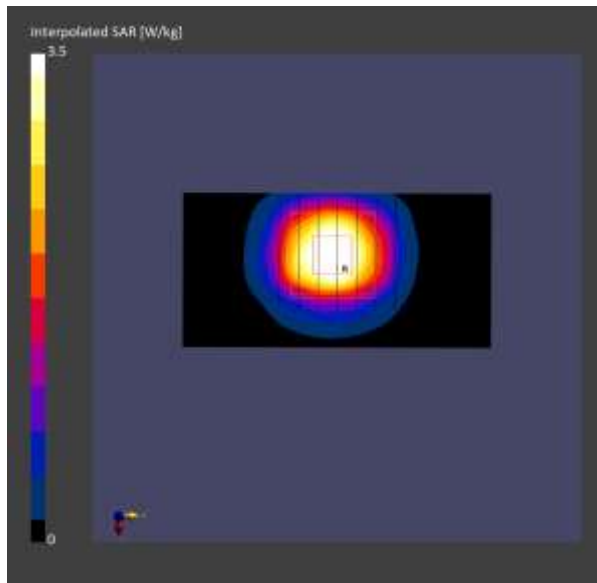
Phantom Twin-SAM V8.0 (30deg probe tilt) - xxxx
 Probe, Calibration Date EX3DV4 - SN7370, 2024-08-22
 DAE, Calibration Date DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 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]	2.98	3.33
psSAR10g [W/Kg]	1.22	1.32
Power Drift [dB]	-0.00	-0.00



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 20.6 °C
Test Date: 05/16/2025
Band: NR Band n77

Measurement Report for Device, , , CW, Channel 0 (3700.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3700.000, 0	6.91	3.12	38.3

Hardware Setup

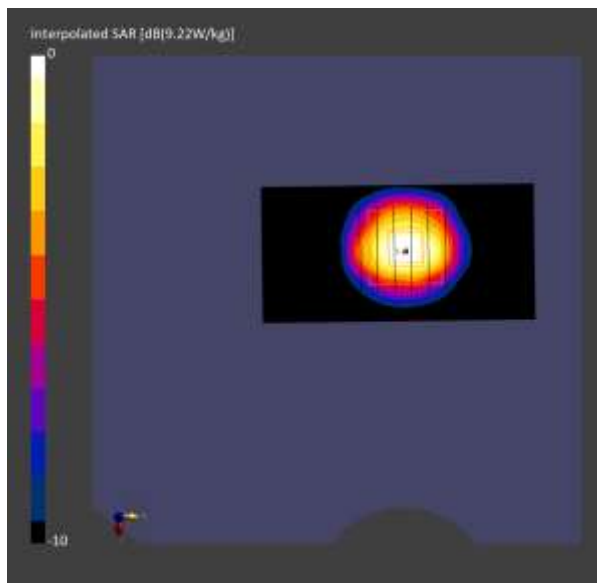
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 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]	3.19	3.36
psSAR10g [W/Kg]	1.18	1.23
Power Drift [dB]	-0.02	-0.04



Test Laboratory: HCT CO., LTD

Input Power: 0.05 W
 Liquid Temperature: 20.9 °C
 Test Date: 05/16/2025
 Band: NR Band n77_ SRS

Measurement Report for Device, , , CW, Channel 0 (3700.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3700.000, 0	6.22	3.08	37.0

Hardware Setup

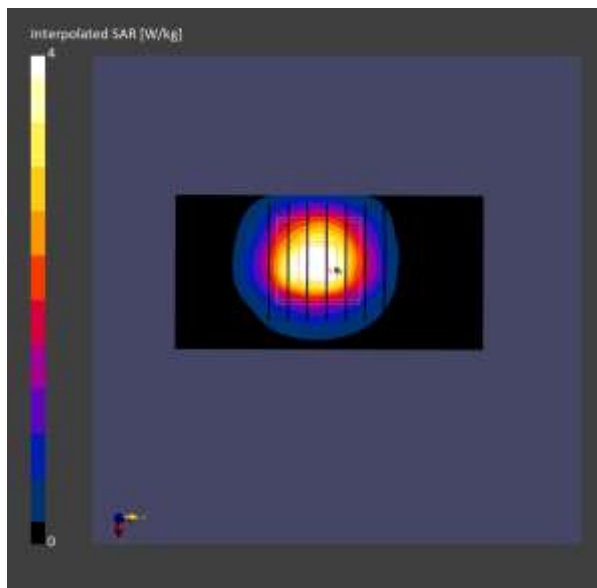
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7370, 2024-08-22	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 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]	3.17	3.58
psSAR10g [W/Kg]	1.22	1.35
Power Drift [dB]	-0.02	-0.02



Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temperature: 20.6 °C
Test Date: 05/16/2025
Band: NR Band n77

Measurement Report for Device, , , CW, Channel 0 (3900.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3900.000, 0	6.73	3.32	38.0

Hardware Setup

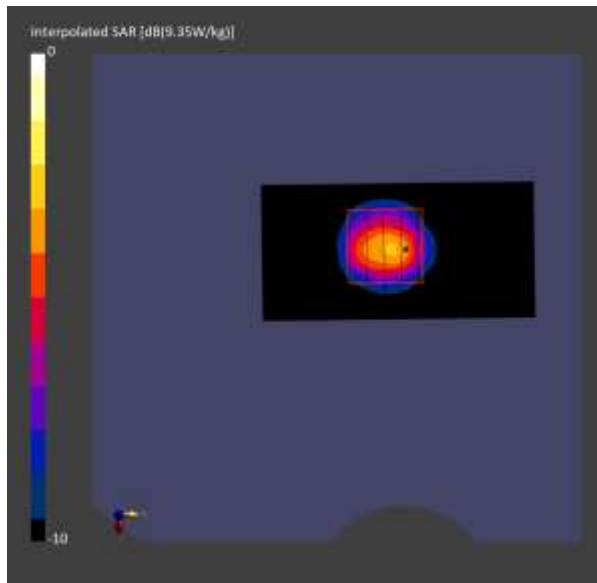
Phantom Twin-SAM V8.0 (30deg probe tilt) - 2050
Probe, Calibration Date EX3DV4 - SN7681, 2024-11-22
DAE, Calibration Date DAE4 Sn446, 2025-03-19

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 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]	3.15	3.31
psSAR10g [W/Kg]	1.12	1.16
Power Drift [dB]	-0.03	-0.09



Test Laboratory: HCT CO., LTD

Input Power: 0.05 W
 Liquid Temperature: 20.9 °C
 Test Date: 05/16/2025
 Band: NR Band n77_ SRS

Measurement Report for Device, , , CW, Channel 0 (3900.000 MHz)

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	,		CW, 0--	3900.000, 0	5.87	3.39	36.6

Hardware Setup

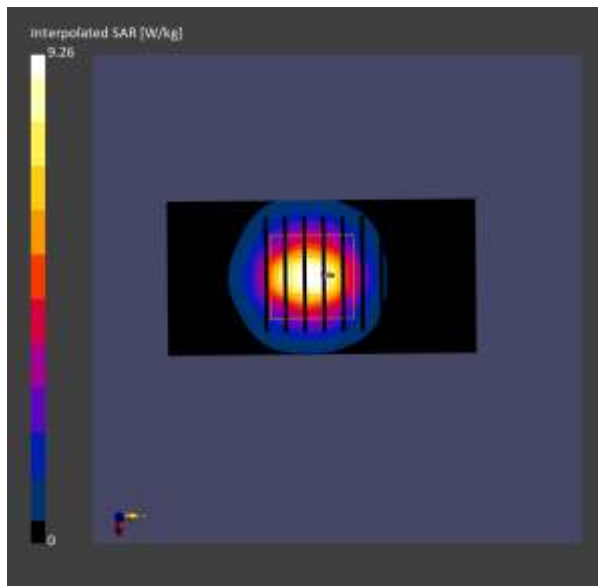
Phantom	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - xxxx	EX3DV4 - SN7370, 2024-08-22	DAE4 Sn1417, 2025-02-18

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	40.0 x 80.0	28.0 x 28.0 x 28.0
Grid Steps [mm]	10.0 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]	3.31	3.55
psSAR10g [W/Kg]	1.19	1.32
Power Drift [dB]	0.01	-0.00



Appendix D. – SAR Tissue Characterization

The brain and muscle mixtures consist of a viscous gel using hydrox-ethyl cellulose (HEC) gelling agent and saline solution (see Table 3.1). Preservation with a bactericide is added and visual inspection is made to make sure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the desired tissue. The mixture characterizations used for the brain and muscle tissue simulating liquids are according to the data by C. Gabriel and G. Harts grove.

Ingredients (% by weight)	Frequency (MHz)					
	1 900		2 450 – 2 700		3500 - 5 800	
Tissue Type	Head	Body	Head	Body	Head	Body
Water	54.9	70.17	71.88	73.2	65.52	78.66
Salt (NaCl)	0.18	0.39	0.16	0.1	0.0	0.0
Sugar	0.0	0	0.0	0.0	0.0	0.0
HEC	0.0	0	0.0	0.0	0.0	0.0
Bactericide	0.0	0	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	19.97	0.0	17.24	10.67
DGBE	44.92	29.44	7.99	26.7	0.0	0.0
Diethylene glycol hexyl ether	-	-	-	-	-	-

Salt:	99 % Pure Sodium Chloride	Sugar:	98 % Pure Sucrose
Water:	De-ionized, 16M resistivity	HEC:	Hydroxyethyl Cellulose
DGBE:	99 % Di (ethylene glycol) butyl ether, [2-(2-butoxyethoxy) ethanol]		
Triton X-100(ultra-pure):	Polyethylene glycol mono [4-(1,1,3,3-tetramethylbutyl) phenyl] ether		

Composition of the Tissue Equivalent Matter

Appendix E. – SAR System Validation

Per FCC KDB 865664 D02v01r02, SAR system validation status should be document to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in IEEE 1528-2013 and FCC KDB 865664 D01v01r04. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

SAR System No.	Probe	Probe Type	Probe Calibration Point		Dipole	Date	Dielectric Parameters		CW Validation			Modulation Validation		
							Measured Permittivity	Measured Conductivity	Sensitivity	Probe Linearity	Probe Isotropy	MOD. Type	Duty Factor	PAR
2	3797	EX3DV4	Head	2600	1015	2025-01-23	39.1	1.94	PASS	PASS	PASS	TDD	PASS	N/A
5	7370	EX3DV4	Head	2600	1015	2024-08-23	39.2	1.98	PASS	PASS	PASS	TDD	PASS	N/A
5	7370	EX3DV4	Head	3500	1040	2025-01-27	37.2	2.91	PASS	PASS	PASS	TDD	PASS	N/A
5	7370	EX3DV4	Head	3700	1105	2024-09-28	37.6	3.11	PASS	PASS	PASS	TDD	PASS	N/A
5	7370	EX3DV4	Head	3900	1086	2024-08-23	37.4	3.32	PASS	PASS	PASS	TDD	PASS	N/A
12	7907	EX3DV4	Head	1640	345	2024-09-05	40.0	1.32	PASS	PASS	PASS	N/A	N/A	N/A
13	7681	EX3DV4	Head	1750	2d007	2024-12-04	40.2	1.38	PASS	PASS	PASS	N/A	N/A	N/A
13	7681	EX3DV4	Head	1900	5d061	2024-12-04	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
13	7681	EX3DV4	Head	2300	1010	2024-12-04	39.8	1.66	PASS	PASS	PASS	N/A	N/A	N/A
13	7681	EX3DV4	Head	2600	1015	2024-12-04	39.0	1.94	PASS	PASS	PASS	N/A	N/A	N/A
13	7681	EX3DV4	Head	2600	1015	2024-12-04	39.0	1.94	PASS	PASS	PASS	TDD	PASS	N/A

SAR System Validation Summary 1g