Appendix B. – SAR Test Plots

The report shall not be (partly) reproduced except in full without approval of the laboratory.

Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.8 ℃
Liquid Temperature: 20.7 ℃
Test Date: 01/15/2025
Plot No.: A1
Band: GSM 850 MAIN1
Measurement Report for Device, EDGE TOP, GSM 850, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3), Channel 190 (836.600 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 TOP, 19.00	GSM 850	GSM, 10028-DAC	836.600, 190	8.75	0.924	42.7

Hardware Setup

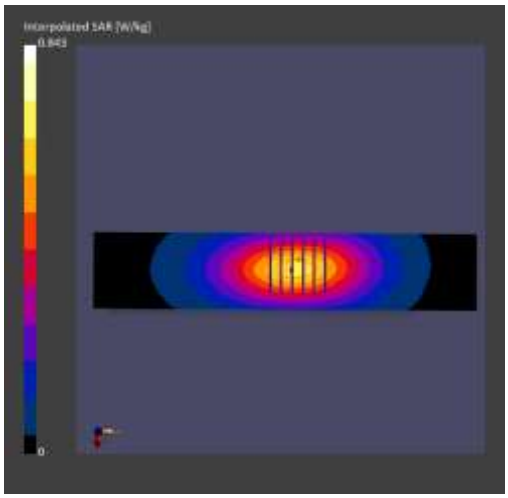
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.571	0.577
psSAR10g [W/Kg]	0.373	0.388
Power Drift [dB]	-0.14	-0.02



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.8 ℃
Liquid Temperature: 20.7 ℃
Test Date: 01/15/2025
Plot No.: A2
Band: GSM 1900 MAIN1
Measurement Report for Device, EDGE TOP, PCS 1900, GPRS-FDD (TDMA, GMSK, TN 0-1-2-3), Channel 661 (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 TOP, 0.00	PCS 1900	GSM, 10028-DAC	1880.000, 661	7.35	1.40	39.1

Hardware Setup

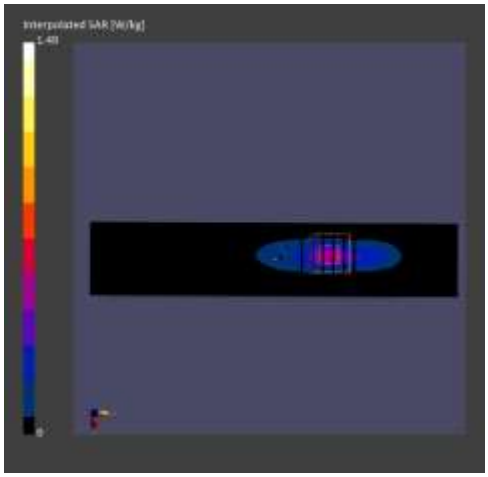
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.444	0.455
psSAR10g [W/Kg]	0.189	0.170
Power Drift [dB]	0.02	0.16



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.9 ℃
Liquid Temperature: 20.8 ℃
Test Date: 01/14/2025
Plot No.: A3
Band: UMTS Band 5 MAIN1
Measurement Report for Device, EDGE TOP, Band 5, UMTS-FDD (WCDMA), Channel 4183 (836.600 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 TOP, 0.00	Band 5	WCDMA, 10011-CAC	836.600, 4183	8.75	0.911	43.0

Hardware Setup

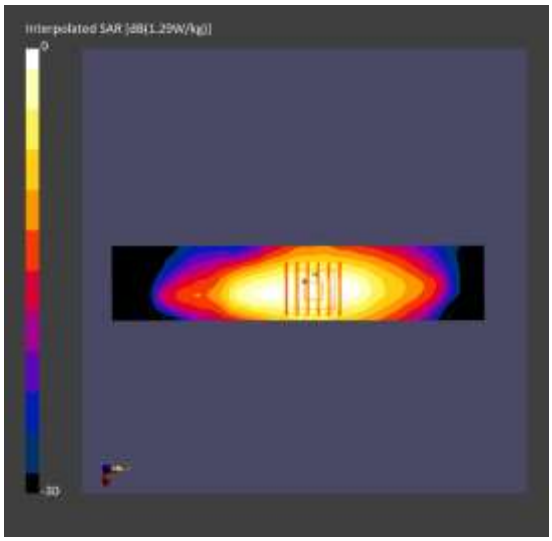
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.750	0.596
psSAR10g [W/Kg]	0.418	0.307
Power Drift [dB]	0.03	-0.13



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.9 ℃
Liquid Temperature: 20.8 ℃
Test Date: 01/14/2025
Plot No.: A4
Band: UMTS Band 4 MAIN1
Measurement Report for Device, EDGE TOP, 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 TOP, 19.00	Band 4	WCDMA, 10011-CAC	1732.400, 1412	7.55	1.33	41.6

Hardware Setup

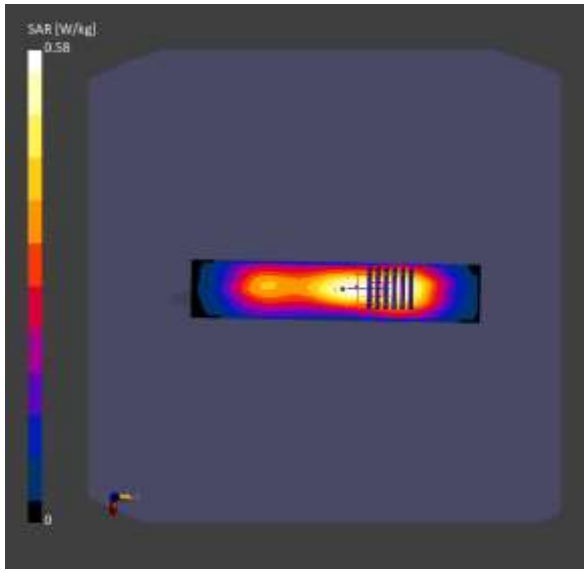
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan1	Zoom Scan2
psSAR1g [W/Kg]	0.501	0.532	0.478
psSAR10g [W/Kg]	0.301	0.330	0.300
Power Drift [dB]	-0.10	-0.15	-0.04



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.3 ℃
Liquid Temperature: 20.2 ℃
Test Date: 01/13/2025
Plot No.: A5
Band: UMTS Band 2 MAIN1
Measurement Report for Device, EDGE TOP, 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 TOP, 19.00	Band 2	WCDMA, 10011-CAC	1880.000, 9400	7.35	1.41	41.2

Hardware Setup

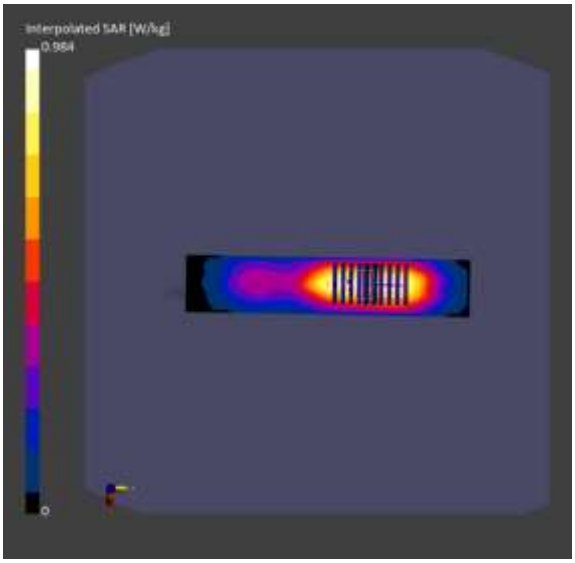
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan1	Zoom Scan2
psSAR1g [W/Kg]	0.587	0.614	0.553
psSAR10g [W/Kg]	0.343	0.375	0.342
Power Drift [dB]	-0.07	-0.12	-0.07



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 21.0 ℃
Liquid Temperature: 20.9 ℃
Test Date: 01/16/2025
Plot No.: A6
Band: LTE Band 2 SUB1
Measurement Report for Device, EDGE LEFT, Band 2, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
AntennaCfg:SISO, Channel 18900 (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 LEFT, 0.00	Band 2	LTE-FDD, 10169-CAF	1880.000, 18900	7.35	1.39	39.2

Hardware Setup

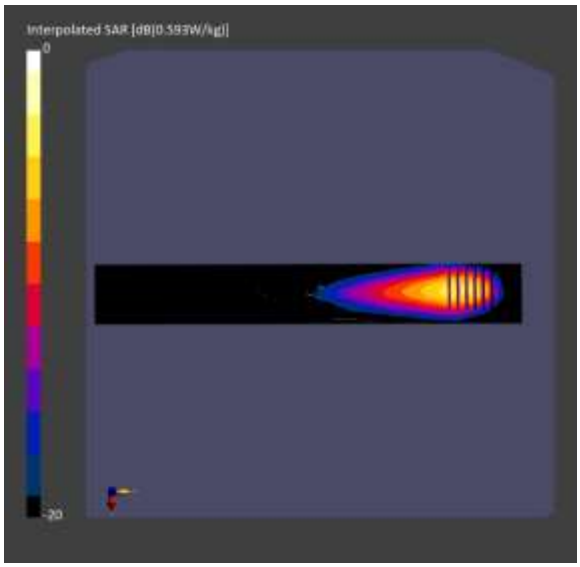
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 300.0	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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.211	0.225
psSAR10g [W/Kg]	0.10	0.098
Power Drift [dB]	N/A	0.15



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 21.0 ℃
Liquid Temperature: 20.9 ℃
Test Date: 01/16/2025
Plot No.: A7
Band: LTE Band 12 MAIN1
Measurement Report for Device, BACK, Band 12, LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)
RBPosition:Mid AntennaCfg:SISO, Channel 23095 (707.500 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	BACK, 0.00	Band 12	LTE-FDD, 10154-CAH	707.500, 23095	8.91	0.861	42.1

Hardware Setup

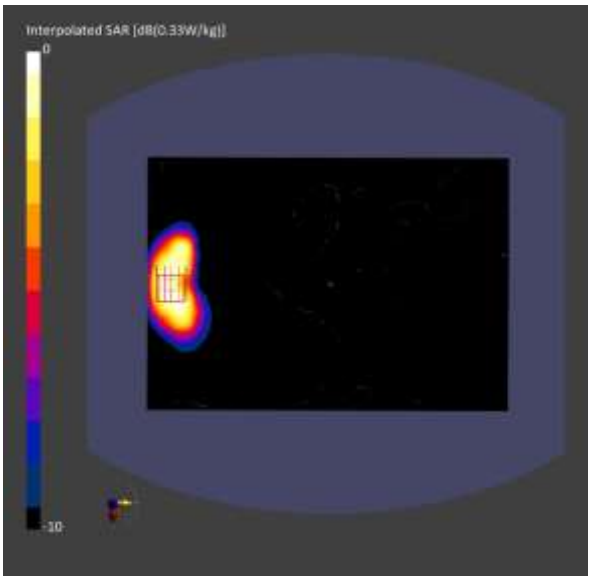
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	210.0 x 300.0	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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.270	0.387
psSAR10g [W/Kg]	0.173	0.195
Power Drift [dB]	-0.19	0.18



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.7 ℃
Liquid Temperature: 20.6 ℃
Test Date: 01/17/2025
Plot No.: A8
Band: LTE Band 13 MAIN1
Measurement Report for Device, EDGE TOP, Band 13, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)
RBPosition:Mid AntennaCfg:SISO, Channel 23230 (782.000 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 TOP, 19.00	Band 13	LTE-FDD, 10175-CAH	782.000, 23230	8.91	0.890	42.8

Hardware Setup

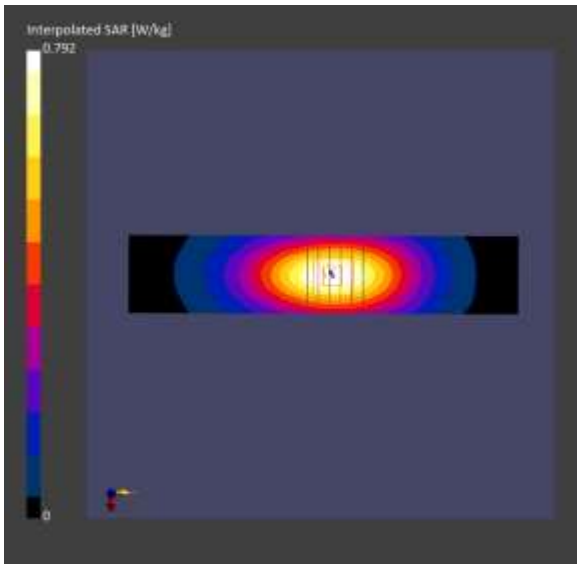
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.539	0.547
psSAR10g [W/Kg]	0.358	0.373
Power Drift [dB]	-0.11	-0.13



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.7 ℃
Liquid Temperature: 20.6 ℃
Test Date: 01/17/2025
Plot No.: A9
Band: LTE Band 25 MAIN1
Measurement Report for Device, EDGE TOP, Band 25, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)
RBPosition:Mid AntennaCfg:SISO, Channel 26500 (1896.000 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 TOP, 0.00	Band 25	LTE-FDD, 10169-CAF	1896.000, 26500	7.35	1.38	40.2

Hardware Setup

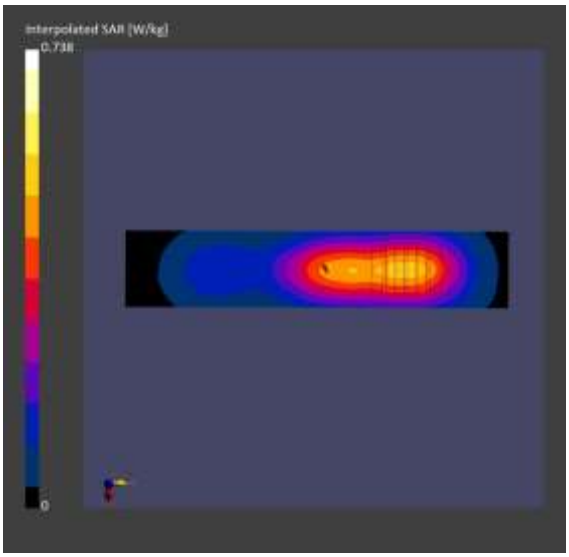
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan1	Zoom Scan2
psSAR1g [W/Kg]	0.438	0.460	0.410
psSAR10g [W/Kg]	0.259	0.282	0.251
Power Drift [dB]	-0.14	-0.12	-0.04



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.6 ℃
Liquid Temperature: 20.5 ℃
Test Date: 01/20/2025
Plot No.: A10
Band: LTE Band 26 MAIN1
Measurement Report for Device, EDGE TOP, Band 26, LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)
RBPosition:Mid AntennaCfg:SISO, Channel 26865 (831.500 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 TOP, 19.00	Band 26	LTE-FDD, 10181-CAF	831.500, 26865	8.75	0.932	42.5

Hardware Setup

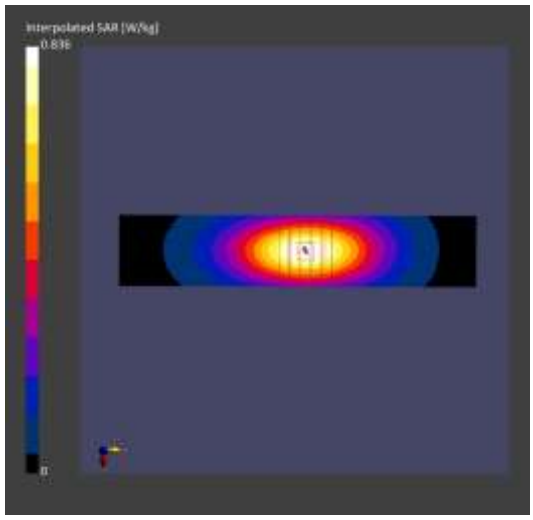
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.556	0.571
psSAR10g [W/Kg]	0.363	0.385
Power Drift [dB]	-0.06	-0.04



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.6 ℃
Liquid Temperature: 20.5 ℃
Test Date: 01/20/2025
Plot No.: A11
Band: LTE Band 41 MAIN1
Measurement Report for Device, BACK, Band 41, LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)
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	BACK, 0.00	Band 41	LTE-TDD, 10151-CAH	2593.000, 40620	6.64	1.96	38.6

Hardware Setup

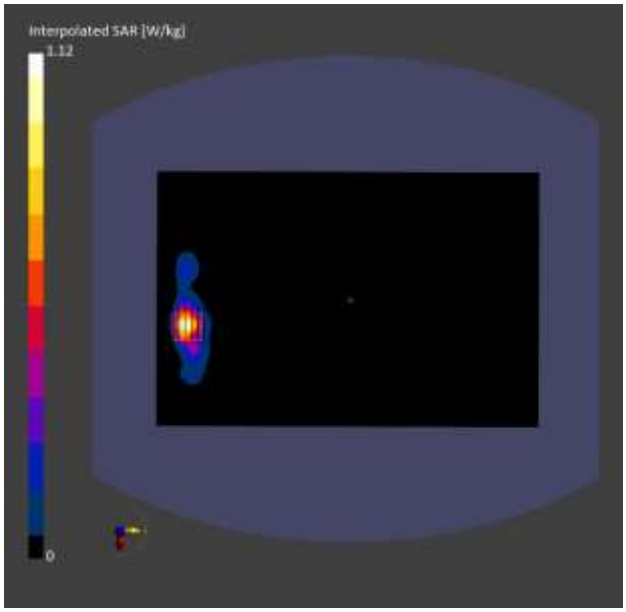
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	200.0 x 300.0	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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.340	0.408
psSAR10g [W/Kg]	0.136	0.142
Power Drift [dB]	-0.19	-0.08



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.5 ℃
Liquid Temperature: 20.4 ℃
Test Date: 01/21/2025
Plot No.: A12
Band: LTE Band 66 MAIN1
Measurement Report for Device, EDGE TOP, Band 66, LTE-FDD (SC-FDMA, 1 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 TOP, 19.00	Band 66	LTE-FDD, 10169-CAF	1770.000, 132572	7.55	1.36	40.6

Hardware Setup

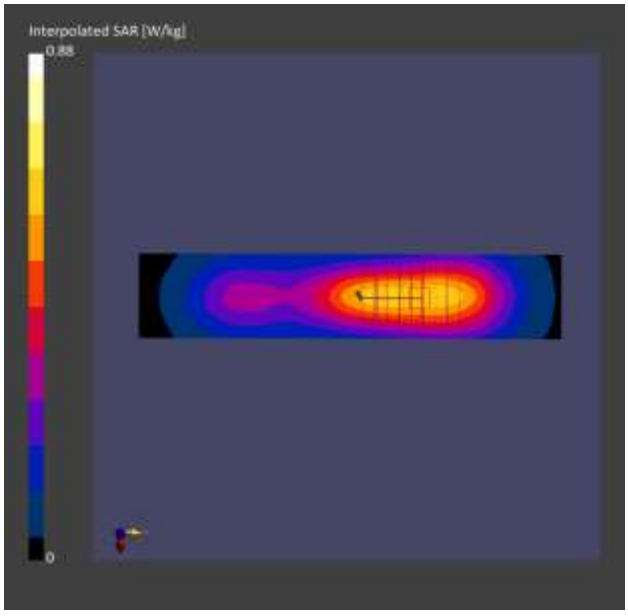
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan1	Zoom Scan2
psSAR1g [W/Kg]	0.543	0.544	0.497
psSAR10g [W/Kg]	0.327	0.345	0.309
Power Drift [dB]	-0.12	-0.13	-0.02



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Test Laboratory:	**HCT CO., LTD**
EUT Type:	**Tablet**
Ambient Temperature:	**23.0 ℃**
Liquid Temperature:	**22.9 ℃**
Test Date:	**01/22/2025**
Plot No.:	**A13**
Band:	**NR Band n5 MAIN1**

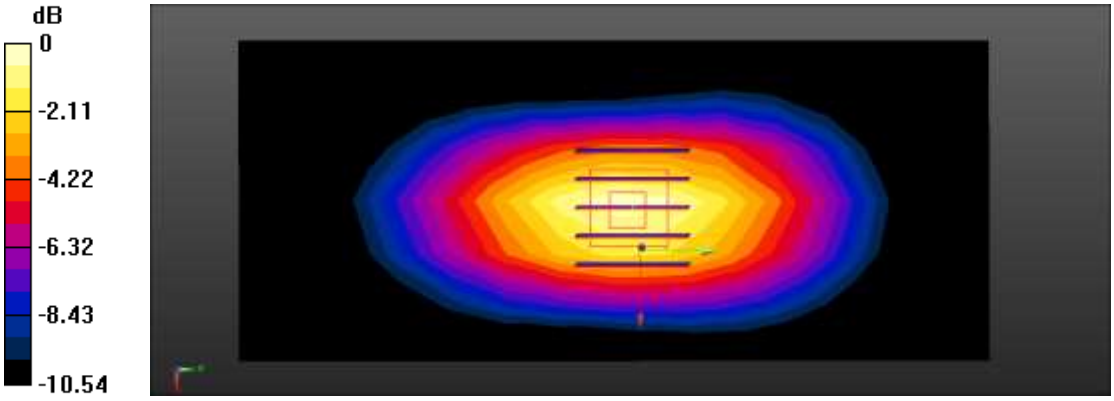
Communication System: UID 0, NR n5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.934 S/m; ε_r = 42.967; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.51, 5.92, 5.91) @ 836.5 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n5 Body Top DFT-s QPSK 20MHz 50RB 28offset 167300ch/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.599 W/kg

NR Band n5 Body Top DFT-s QPSK 20MHz 50RB 28offset 167300ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.52 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.749 W/kg
SAR(1 g) = 0.534 W/kg; SAR(10 g) = 0.349 W/kg
Maximum value of SAR (measured) = 0.621 W/kg



0 dB = 0.621 W/kg = -2.07 dBW/kg

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Test Laboratory:	HCT CO., LTD
EUT Type:	Tablet
Ambient Temperature:	23.1 ℃
Liquid Temperature:	23.0 ℃
Test Date:	01/23/2025
Plot No.:	A14
Band:	NR Band n66 MAIN1

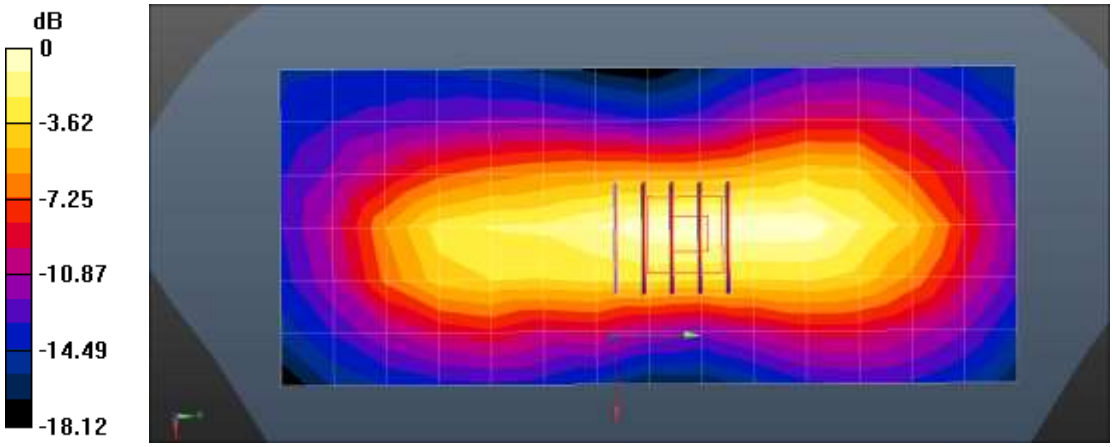
Communication System: UID 0, n66 (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.324 S/m; ε_r = 41.142; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.8, 5.16, 5.15) @ 1745 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n66 Body Top DFT-s QPSK 40MHz 1RB 108offset 349000ch/Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.972 W/kg

NR Band n66 Body Top DFT-s QPSK 40MHz 1RB 108offset 349000ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.11 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.839 W/kg; SAR(10 g) = 0.499 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 0.972 W/kg = -0.12 dBW/kg

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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.7 ℃
Liquid Temperature: 20.6 ℃
Test Date: 01/23/2025
Plot No.: A15
Band: NR Band n41 MAIN1

Measurement Report for Device, EDGE TOP, Band n41, 5G NR (CP-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 TOP, 0.00	Band n41	5G NR FR1 TDD, 10803-AAF	2592.990, 518598	6.64	1.98	38.7

Hardware Setup

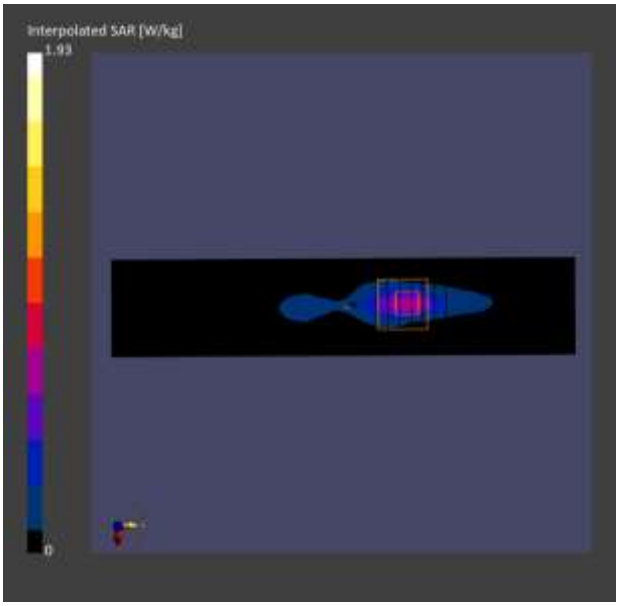
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 200.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	7.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.533	0.550
psSAR10g [W/Kg]	0.201	0.193
Power Drift [dB]	0.19	0.15



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Test Laboratory: HCT CO., LTD
EUT Type: Tablet
Ambient Temperature: 20.8 ℃
Liquid Temperature: 20.7 ℃
Test Date: 01/24/2025
Plot No.: A16
Band: NR Band n77 MAIN2

Measurement Report for Device, EDGE RIGHT, Band n77, 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) 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, 0.00	Band n77	5G NR FR1 TDD, 10868-AAF	3500.010, 633334	6.44	2.92	38.2

Hardware Setup

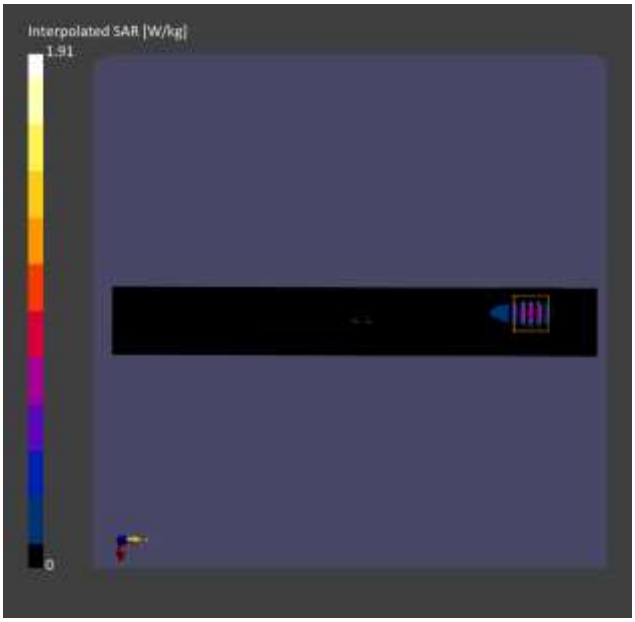
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	42.0 x 300.0	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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.486	0.489
psSAR10g [W/Kg]	0.140	0.137
Power Drift [dB]	-0.19	-0.14



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Test Laboratory:	HCT CO., LTD
EUT Type:	Tablet
Ambient Temperature:	22.7 ℃
Liquid Temperature:	22.6 ℃
Test Date:	01/13/2025
Plot No.:	A17
Band:	WLAN 2.4 GHz WIFI1+2

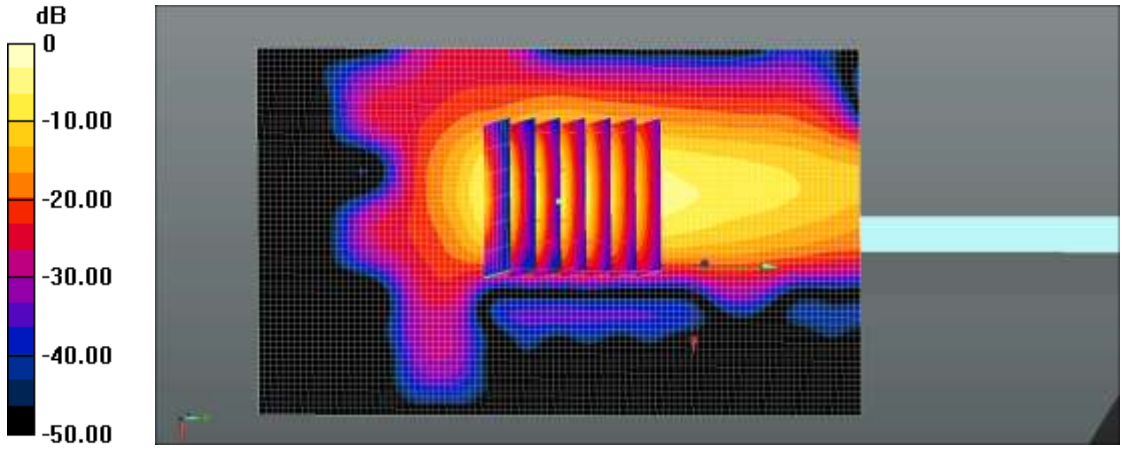
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2462 MHz; σ = 1.808 S/m; ε_r = 38.714; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.46, 4.8, 4.79) @ 2462 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

802.11b Body Right 1Mbps 11ch/Area Scan (61x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.756 W/kg

802.11b Body Right 1Mbps 11ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.05 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.172 W/kg
Maximum value of SAR (measured) = 0.750 W/kg



0 dB = 0.756 W/kg = -1.22 dBW/kg

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Test Laboratory:	HCT CO., LTD
EUT Type:	Tablet
Ambient Temperature:	22.9 ℃
Liquid Temperature:	22.8 ℃
Test Date:	01/16/2025
Plot No.:	A18
Band:	WLAN 5 GHz WIFI1+2

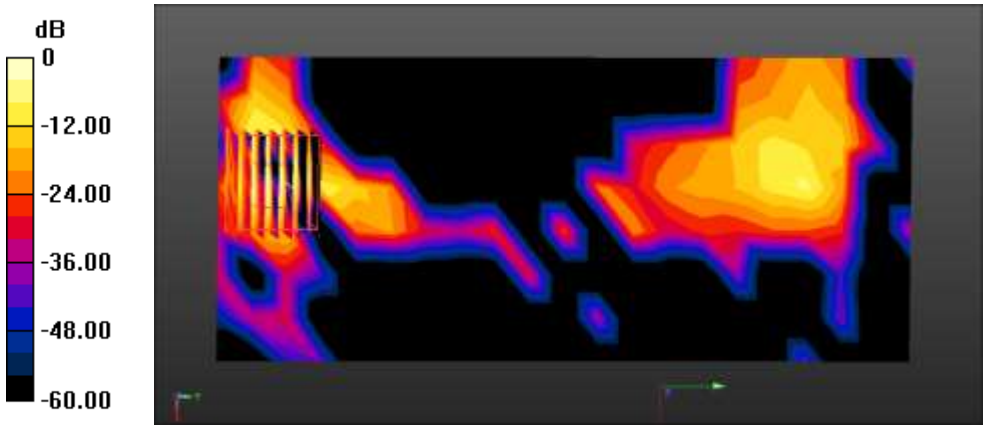
Communication System: UID 0, WiFI5GHz ac80 (0); Frequency: 5775 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5775 MHz; σ = 5.369 S/m; ε_r = 34.451; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.04, 4.62, 5.33) @ 5775 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

802.11ac80 Body Rear MCS0 155ch/Area Scan (8x21x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.36 W/kg

802.11ac80 Body Rear MCS0 155ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0.8470 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 5.55 W/kg
SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.110 W/kg
Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg = 2.72 dBW/kg

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Test Laboratory:	**HCT CO., LTD**
EUT Type:	**Tablet**
Ambient Temperature:	**22.8 ℃**
Liquid Temperature:	**22.7 ℃**
Test Date:	**01/20/2025**
Plot No.:	**A19**
Band:	**Bluetooth WIFI1**

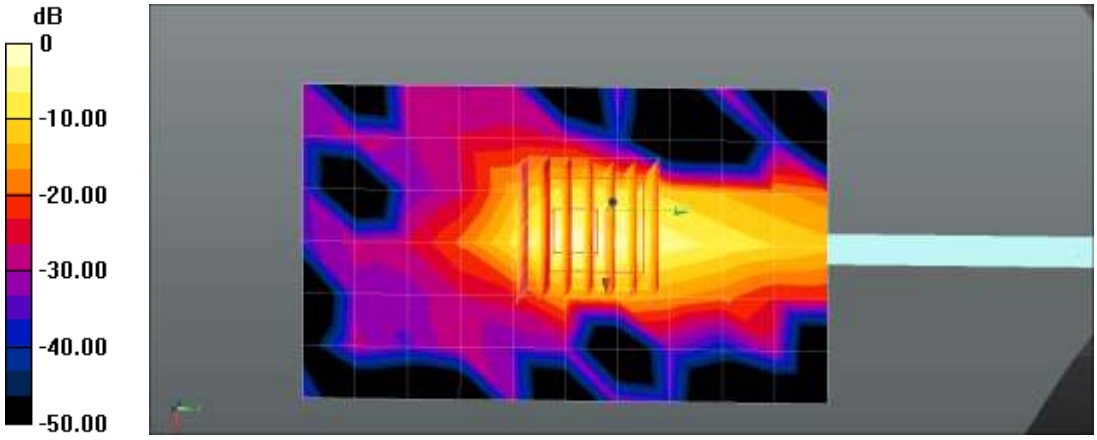
Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2480 MHz; σ = 1.861 S/m; ε_r = 39.864; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.46, 4.8, 4.79) @ 2480 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Bluetooth Body Right DH5 78ch/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.569 W/kg

Bluetooth Body Right DH5 78ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.879 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.130 W/kg
Maximum value of SAR (measured) = 0.610 W/kg



0 dB = 0.569 W/kg = -2.45 dBW/kg

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Appendix C. – Dipole Verification Plots

The report shall not be (partly) reproduced except in full without approval of the laboratory.

■ Verification Data (750 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.9 ℃
Test Date: 01/16/2025
Band: LTE Band 12_MAIN1
Measurement Report for Device, , , CW, Channel 0 (750.000 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- -	750.000, 0	8.91	0.877	41.9

Hardware Setup

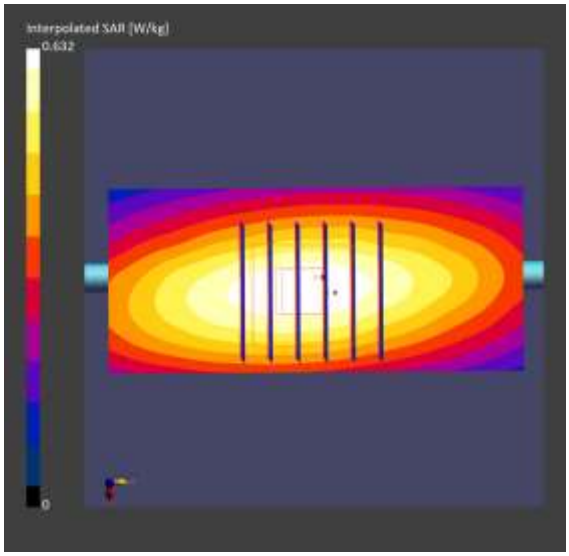
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.439	0.438
psSAR10g [W/Kg]	0.294	0.298
Power Drift [dB]	-0.01	-0.04



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■ Verification Data (750 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.6 ℃
Test Date: 01/17/2025
Band: LTE Band 13_MAIN1
Measurement Report for Device, , , CW, Channel 0 (750.000 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- -	750.000, 0	8.91	0.876	42.9

Hardware Setup

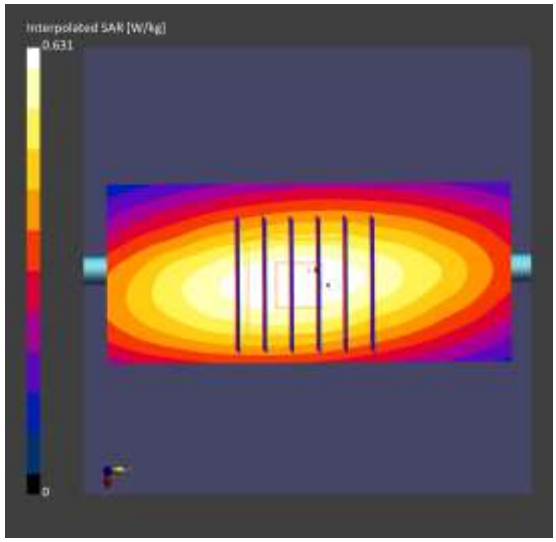
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.439	0.437
psSAR10g [W/Kg]	0.294	0.298
Power Drift [dB]	-0.01	-0.04



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■ Verification Data (835 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.7 ℃
Test Date: 01/15/2025
Band: GSM 850_MAIN1
Measurement Report for Device, , , CW, Channel 0 (835.000 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- -	835.000, 0	8.75	0.923	42.7

Hardware Setup

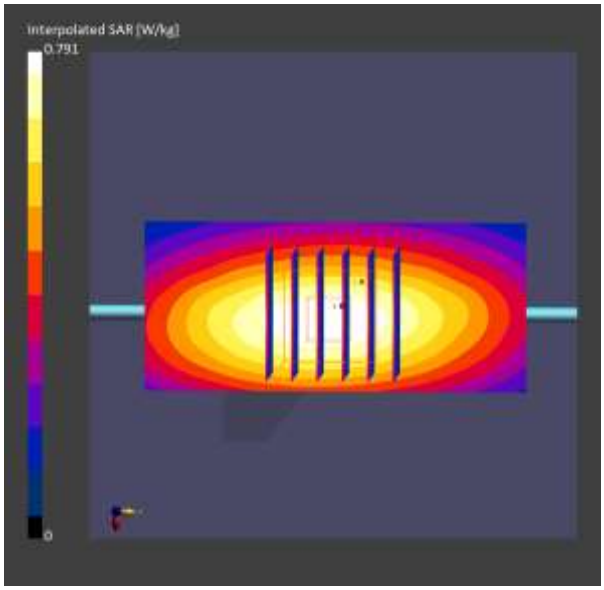
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.527	0.524
psSAR10g [W/Kg]	0.350	0.348
Power Drift [dB]	-0.04	-0.06



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■ Verification Data (835 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.5 ℃
Test Date: 01/20/2025
Band: LTE Band 26_MAIN1
Measurement Report for Device, , , CW, Channel 0 (835.000 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- -	835.000, 0	8.75	0.934	42.5

Hardware Setup

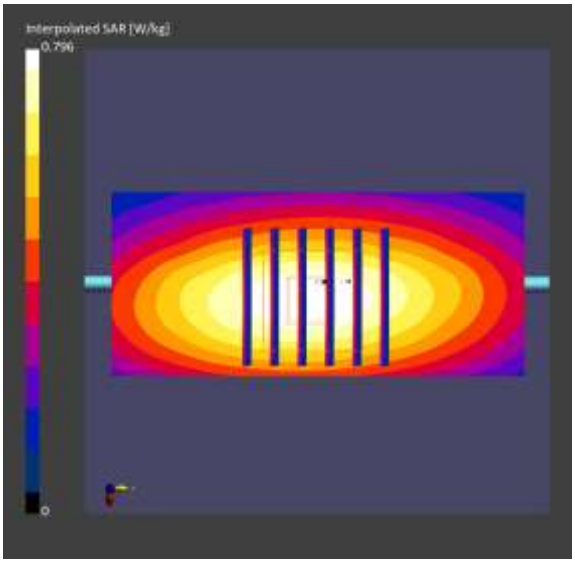
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.524	0.528
psSAR10g [W/Kg]	0.348	0.350
Power Drift [dB]	0.00	-0.01



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■ Verification Data (835 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.8 ℃
Test Date: 01/14/2025
Band: UMTS Band 5_MAIN1
Measurement Report for Device, , , CW, Channel 0 (835.000 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- -	835.000, 0	8.75	0.911	43.0

Hardware Setup

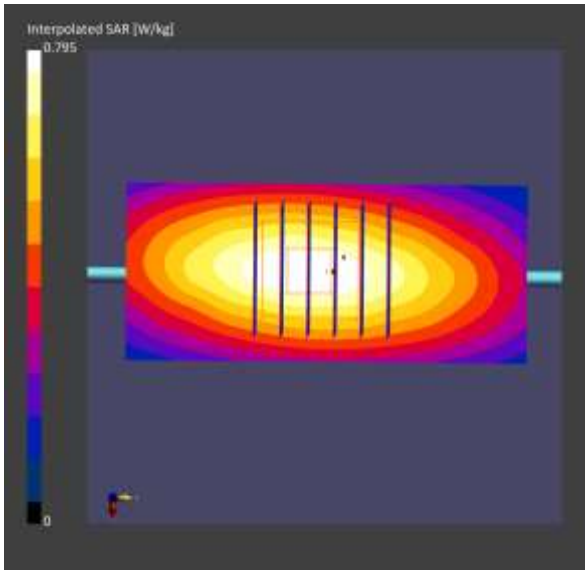
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	0.516	0.522
psSAR10g [W/Kg]	0.338	0.348
Power Drift [dB]	-0.11	-0.16



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■ Verification Data (835 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.9 ℃
Test Date:	01/22/2025
Band:	NR Band n5_MAIN1

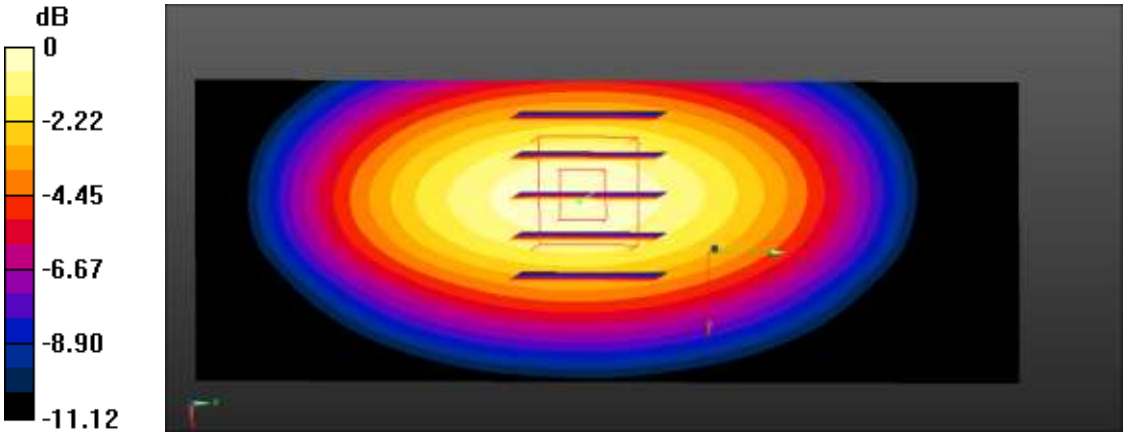
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.933 S/m; ε_r = 42.973; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.51, 5.92, 5.91) @ 835 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Dipole/835MHz Head Verification/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.552 W/kg

Dipole/835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.70 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.712 W/kg
SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.312 W/kg
Maximum value of SAR (measured) = 0.567 W/kg



0 dB = 0.567 W/kg = -2.46 dBW/kg

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■ Verification Data (1 800 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.4 ℃
Test Date: 01/21/2025
Band: LTE Band 66_MAIN1
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	7.55	1.39	40.6

Hardware Setup

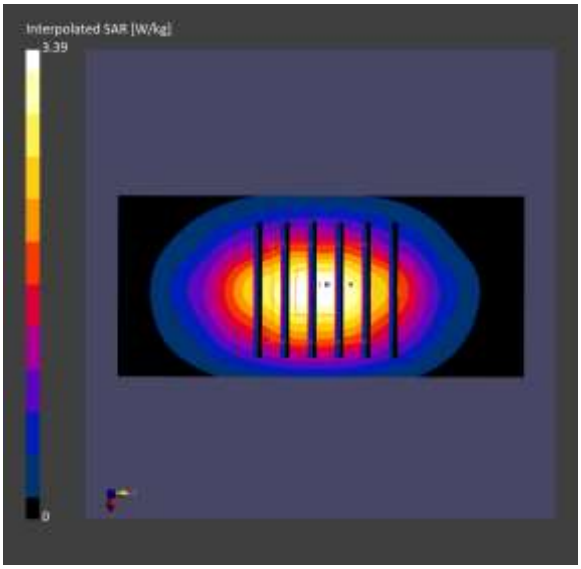
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.98	1.97
psSAR10g [W/Kg]	1.05	1.07
Power Drift [dB]	0.02	-0.01



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■ Verification Data (1 800 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.3 ℃
Test Date: 01/22/2025
Band: LTE Band 66_SUB1
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	7.55	1.36	40.6

Hardware Setup

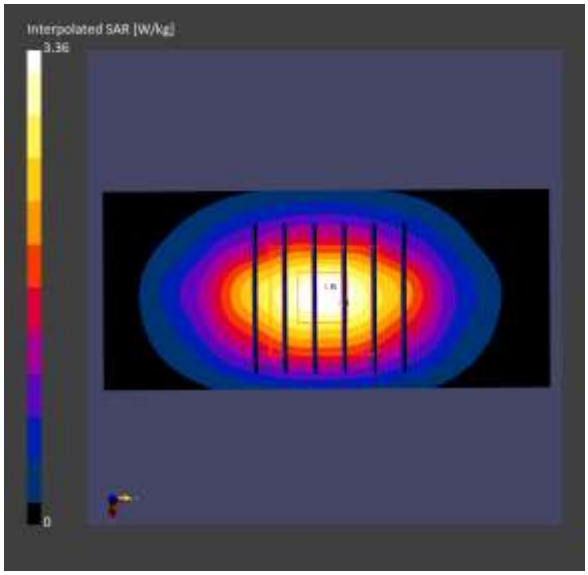
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.95	1.95
psSAR10g [W/Kg]	1.03	1.06
Power Drift [dB]	0.02	-0.03



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■ Verification Data (1 800 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.6 ℃
Test Date: 01/25/2025
Band: NR Band n66_MAIN1, LTE Band 66 Cover
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	7.55	1.39	41.6

Hardware Setup

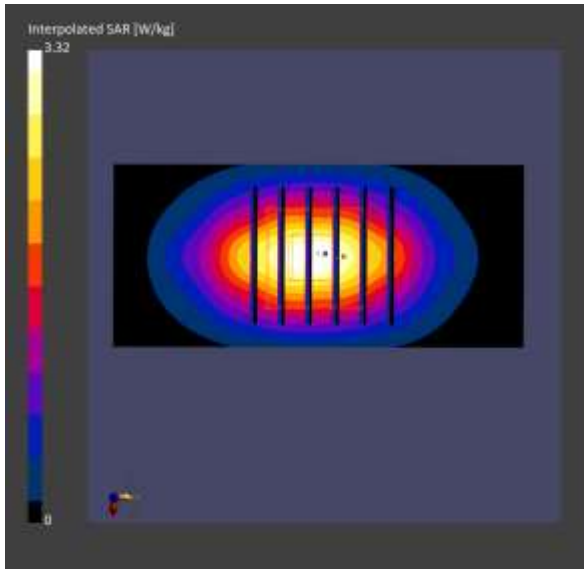
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.95	1.93
psSAR10g [W/Kg]	1.02	1.04
Power Drift [dB]	0.00	-0.01



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■ Verification Data (1 800 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.8 ℃
Test Date: 01/14/2025
Band: UMTS Band 4_MAIN1
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	7.55	1.38	41.6

Hardware Setup

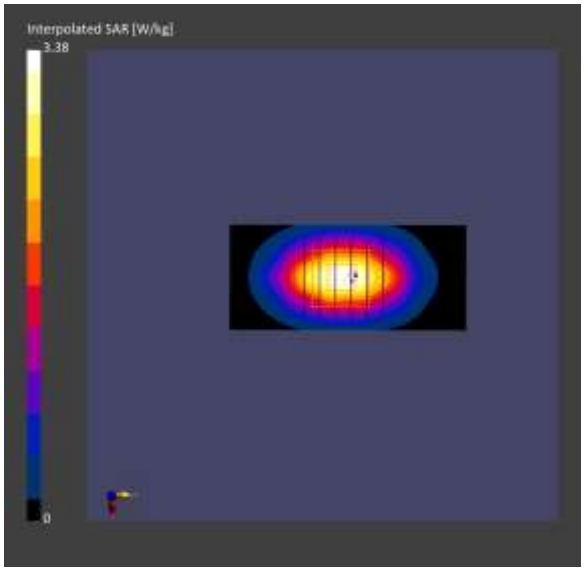
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.97	1.92
psSAR10g [W/Kg]	1.03	1.03
Power Drift [dB]	-0.19	-0.14



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■ Verification Data (1 800 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	23.0 ℃
Test Date:	01/23/2025
Band:	NR Band n66_MAIN1

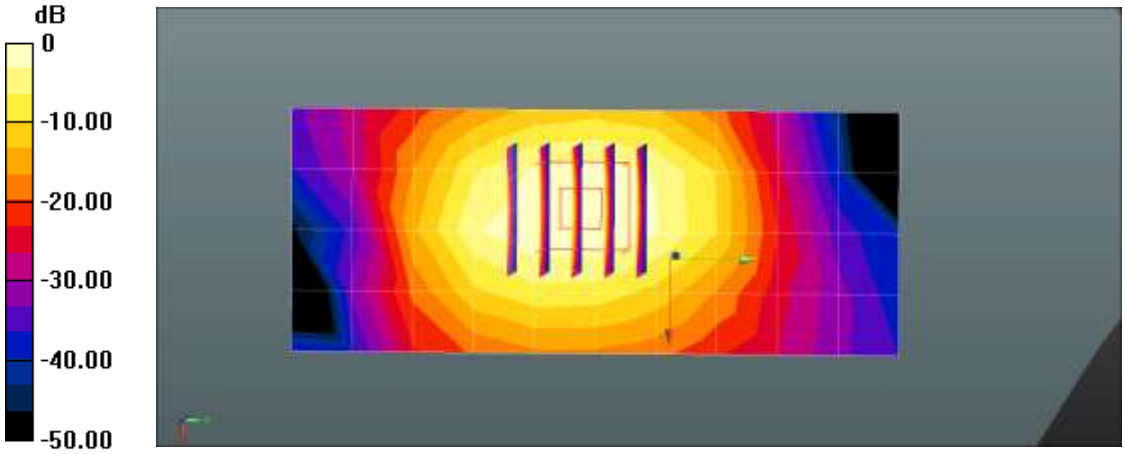
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.365 S/m; ε_r = 41.091; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.8, 5.16, 5.15) @ 1800 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.96 W/kg

1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 39.91 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.38 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.08 W/kg
Maximum value of SAR (measured) = 2.50 W/kg



0 dB = 1.96 W/kg = 2.93 dBW/kg

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■ Verification Data (1 900 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.6 ℃
Test Date: 01/17/2025
Band: LTE Band 25_MAIN1
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	7.35	1.39	40.2

Hardware Setup

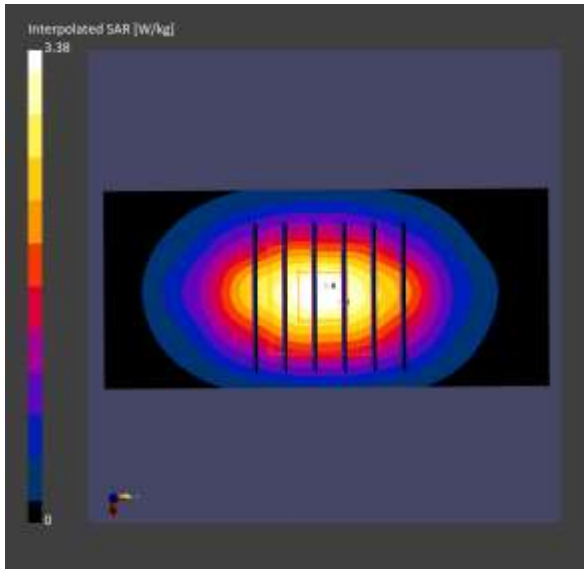
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.97	1.95
psSAR10g [W/Kg]	1.02	1.05
Power Drift [dB]	-0.03	-0.04



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■ Verification Data (1 900 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.9 ℃
Test Date: 01/16/2025
Band: LTE Band 2_SUB1
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	7.35	1.40	39.2

Hardware Setup

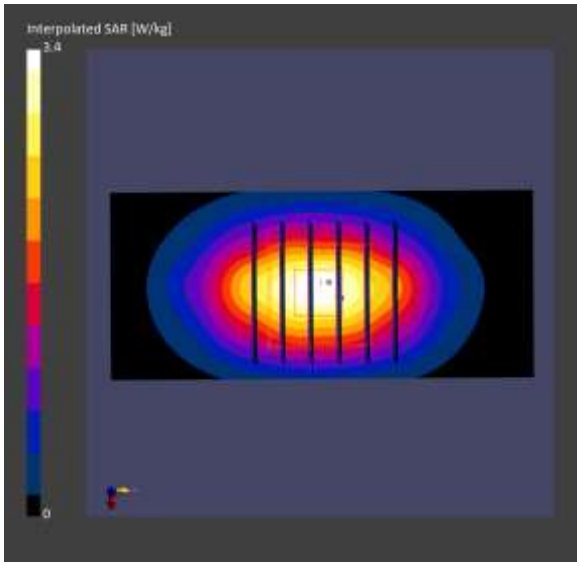
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.97	1.96
psSAR10g [W/Kg]	1.03	1.06
Power Drift [dB]	-0.01	-0.17



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■ Verification Data (1 900 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.7 ℃
Test Date: 01/15/2025
Band: GSM1900_MAIN1
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	7.35	1.41	39.0

Hardware Setup

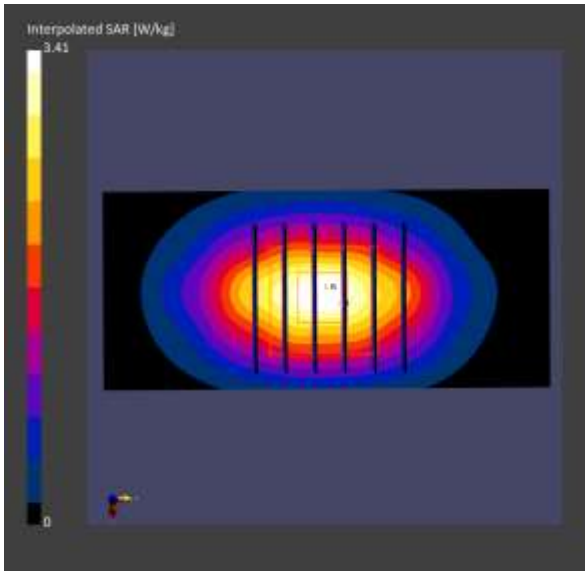
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.00	1.98
psSAR10g [W/Kg]	1.04	1.06
Power Drift [dB]	0.02	-0.02



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■ Verification Data (1 900 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.2 ℃
Test Date: 01/13/2025
Band: UMTS Band 2_MAIN1
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	7.35	1.42	41.2

Hardware Setup

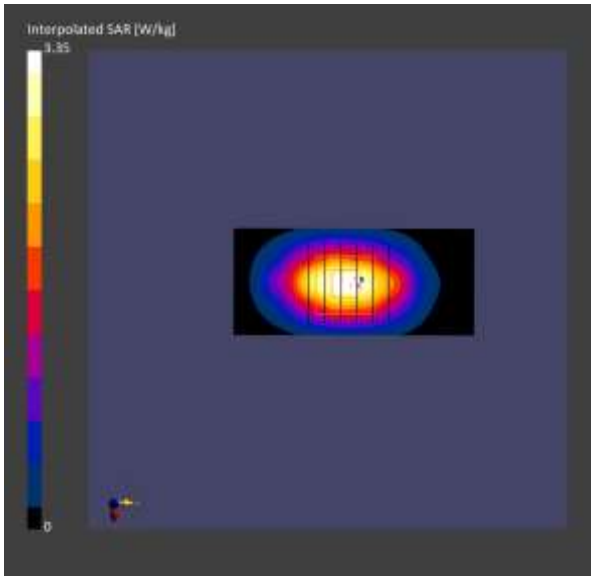
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	1.89	1.85
psSAR10g [W/Kg]	0.983	0.991
Power Drift [dB]	-0.15	-0.16



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■ Verification Data (2 450 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.6 ℃
Test Date: 01/25/2025
Band: WLAN 2.4 ㎓_WIFI1+2 COVER
Measurement Report for Device, , , CW, Channel 0 (2450.000 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- -	2450.000, 0	6.75	1.78	38.7

Hardware Setup

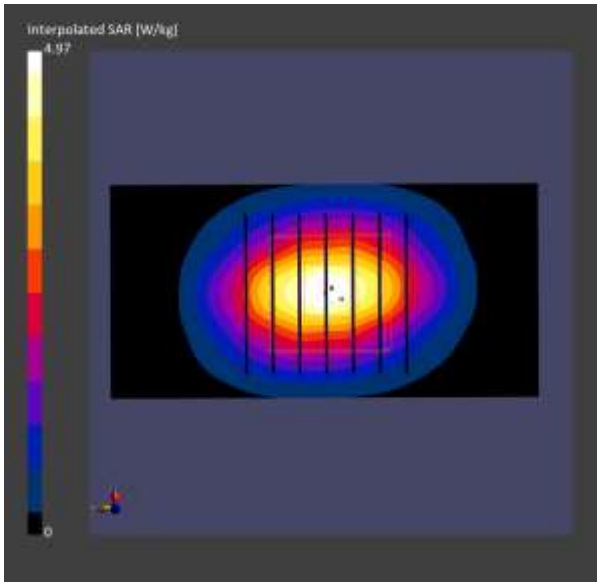
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.57	2.55
psSAR10g [W/Kg]	1.19	1.22
Power Drift [dB]	0.00	0.01



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■ Verification Data (2 450 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	01/20/2025
Band:	Bluetooth WIFI1

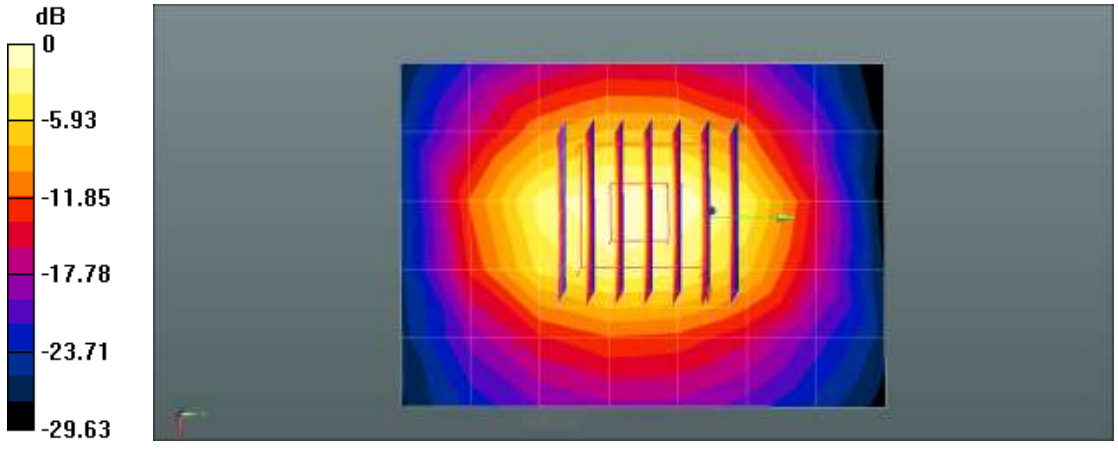
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.827 S/m; ε_r = 39.958; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.46, 4.8, 4.79) @ 2450 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2450MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.22 W/kg

2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 44.63 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 5.88 W/kg
SAR(1 g) = 2.79 W/kg; SAR(10 g) = 1.27 W/kg
Maximum value of SAR (measured) = 3.71 W/kg



0 dB = 3.22 W/kg = 5.08 dBW/kg

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■ Verification Data (2 450 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.6 ℃
Test Date:	01/13/2025
Band:	WLAN 2.4 ㎓ WIFI1, WIFI1+2

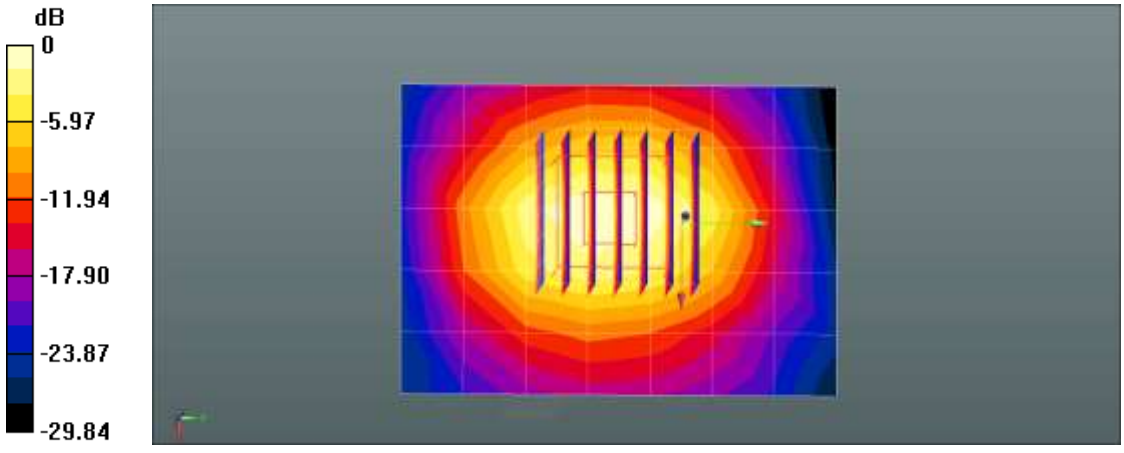
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.794 S/m; ε_r = 38.753; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.46, 4.8, 4.79) @ 2450 MHz; Calibrated: 2024-07-17
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2450MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 2.92 W/kg

2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 41.41 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 4.96 W/kg
SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.12 W/kg
Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 2.92 W/kg = 4.65 dBW/kg

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■ Verification Data (2 600 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.5 ℃
Test Date: 01/20/2025
Band: LTE Band 41 MAIN1
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	6.64	1.96	38.6

Hardware Setup

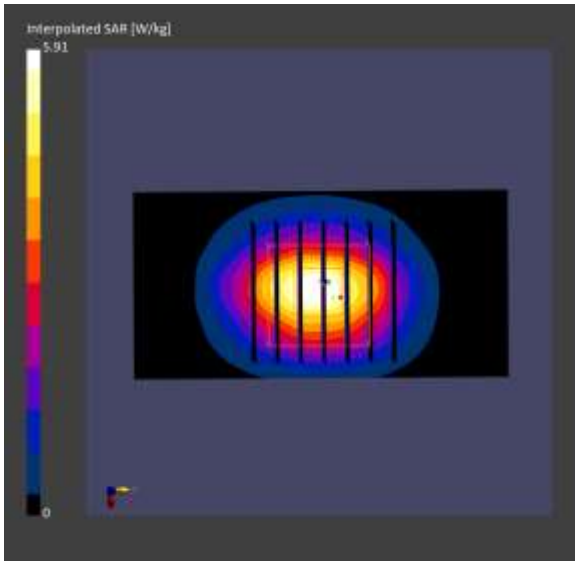
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.97	2.96
psSAR10g [W/Kg]	1.34	1.37
Power Drift [dB]	-0.02	-0.01



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■ Verification Data (2 600 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.7 ℃
Test Date: 01/24/2025
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	6.64	2.02	38.9

Hardware Setup

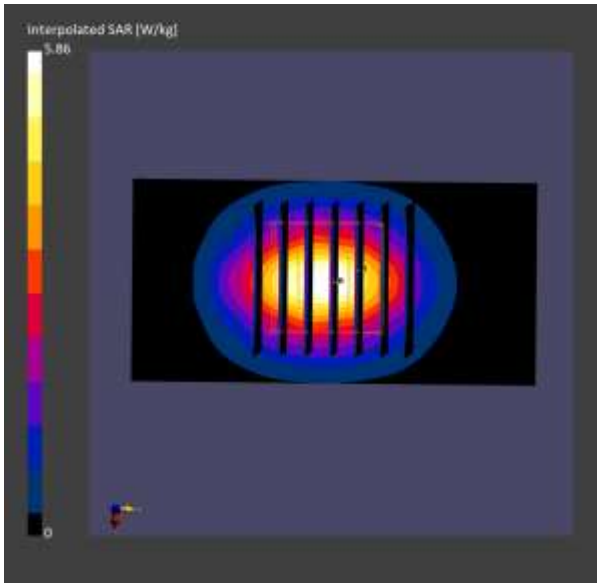
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.89	2.88
psSAR10g [W/Kg]	1.28	1.31
Power Drift [dB]	0.01	-0.01



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■ Verification Data (2 600 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.6 ℃
Test Date: 01/23/2025
Band: NR Band n41 MAIN1
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	6.64	1.99	38.6

Hardware Setup

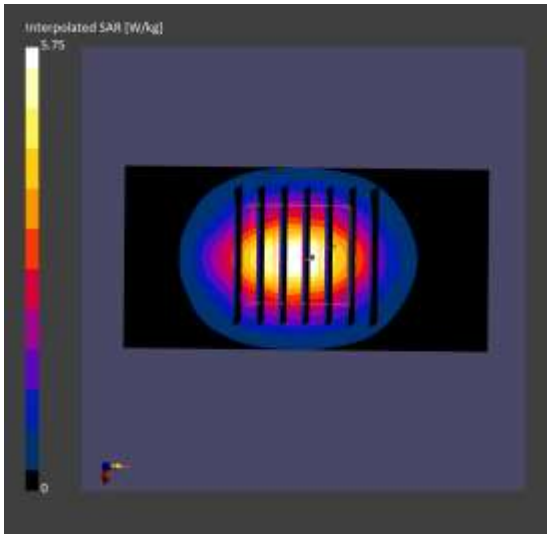
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	2.84	2.82
psSAR10g [W/Kg]	1.26	1.29
Power Drift [dB]	-0.00	-0.01



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■ Verification Data (3 500 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.7 ℃
Test Date: 01/24/2025
Band: NR Band n77 MAIN2
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	6.44	2.92	38.2

Hardware Setup

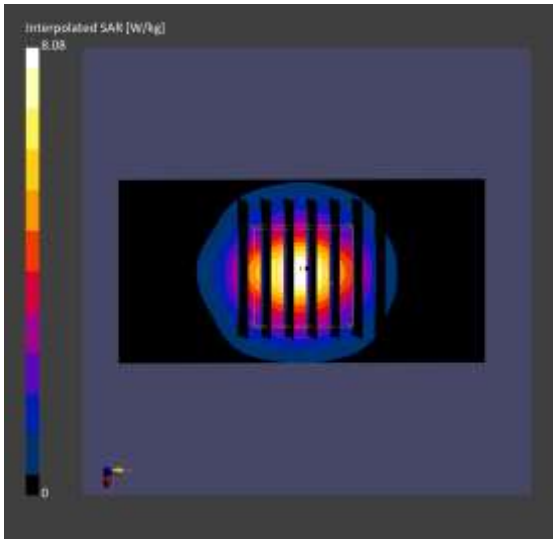
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.28	3.28
psSAR10g [W/Kg]	1.24	1.27
Power Drift [dB]	0.00	0.00



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■ Verification Data (3 700 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.7 ℃
Test Date: 01/24/2025
Band: NR Band n77 MAIN2
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	6.33	3.09	37.9

Hardware Setup

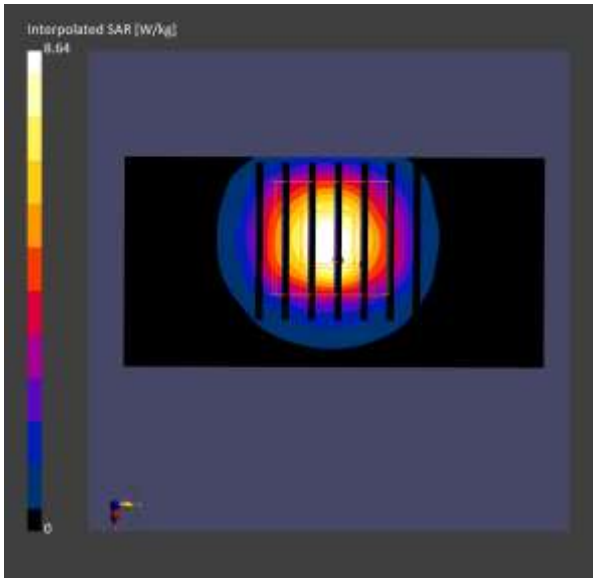
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.05	3.27
psSAR10g [W/Kg]	1.20	1.22
Power Drift [dB]	-0.01	-0.00



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■ Verification Data (3 900 ㎒ Head)

Test Laboratory: HCT CO., LTD
Input Power 0.05 W
Liquid Temp: 20.7 ℃
Test Date: 01/24/2025
Band: NR Band n77 MAIN2
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	6.25	3.24	37.7

Hardware Setup

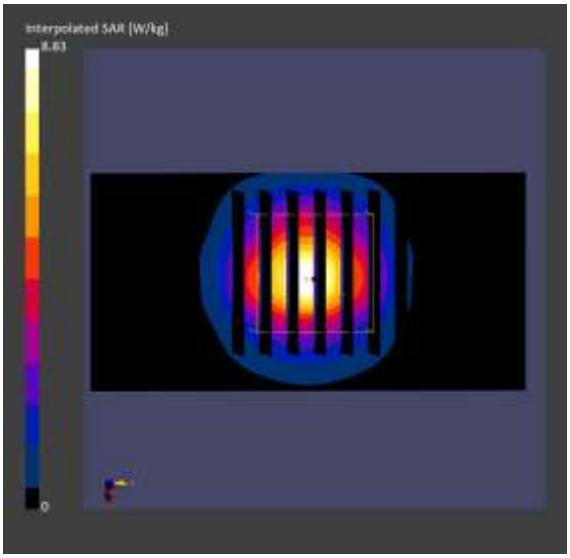
Phantom	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt)	EX3DV4 - SN7751, 2024-09-19	DAE4ip Sn1866, 2024-05-02

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
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR1g [W/Kg]	3.05	3.13
psSAR10g [W/Kg]	1.09	1.12
Power Drift [dB]	0.01	0.01



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■ Verification Data (5 250 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	01/15/2025
Band:	WLAN 5 ㎓ WIFI2

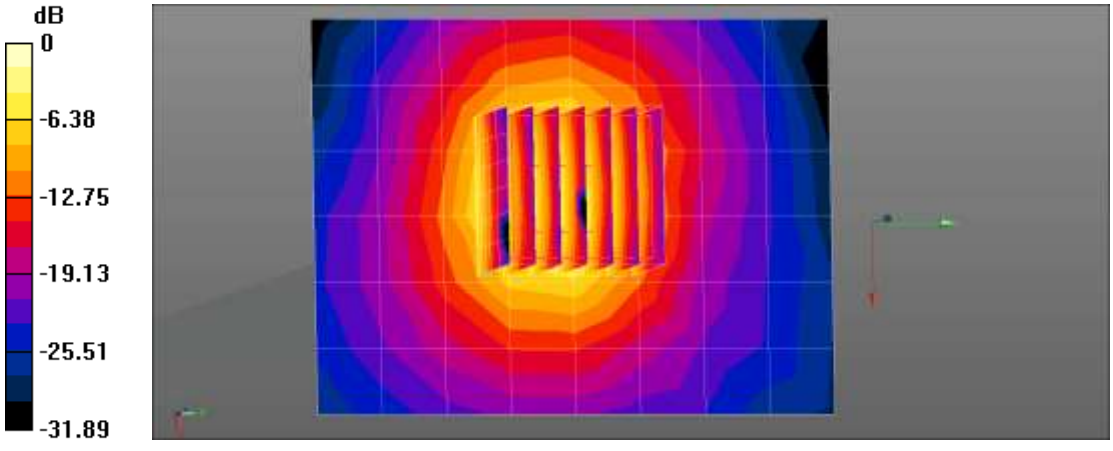
Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 4.694 S/m; ε_r = 35.01; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.54, 5.07, 5.86) @ 5250 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5250MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 8.22 W/kg

5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 44.77 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 4.04 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 9.88 W/kg



0 dB = 8.22 W/kg = 9.15 dBW/kg

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■ Verification Data (5 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	01/15/2025
Band:	WLAN 5 ㎓ WIFI2

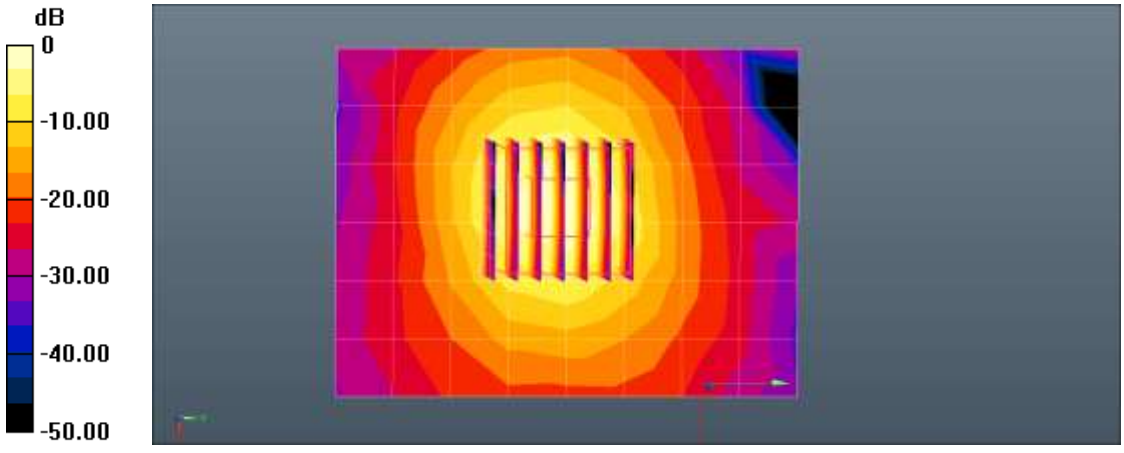
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.059 S/m; ε_r = 34.55; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.04, 4.62, 5.33) @ 5600 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5600MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.22 W/kg

5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 45.02 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 18.7 W/kg
SAR(1 g) = 4.32 W/kg; SAR(10 g) = 1.23 W/kg
Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 9.22 W/kg = 9.65 dBW/kg

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■ Verification Data (5 750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	01/15/2025
Band:	WLAN 5 ㎓ WIFI2

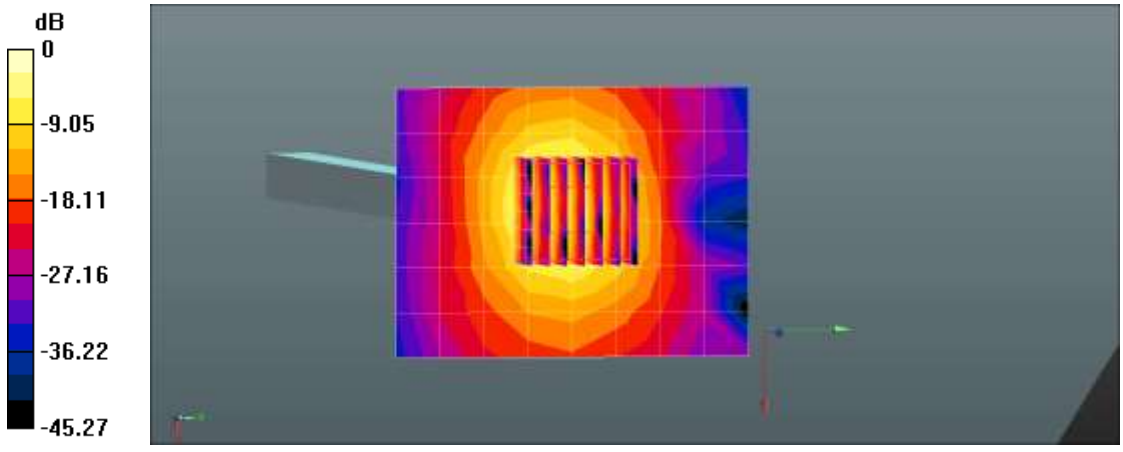
Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 5.267 S/m; ε_r = 34.432; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.04, 4.62, 5.33) @ 5750 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5750MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.02 W/kg

5750MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 43.13 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 18.1 W/kg
SAR(1 g) = 4.09 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 10.5 W/kg



0 dB = 9.02 W/kg = 9.55 dBW/kg

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■ Verification Data (5 800 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	01/15/2025
Band:	WLAN 5 ㎓ WIFI2

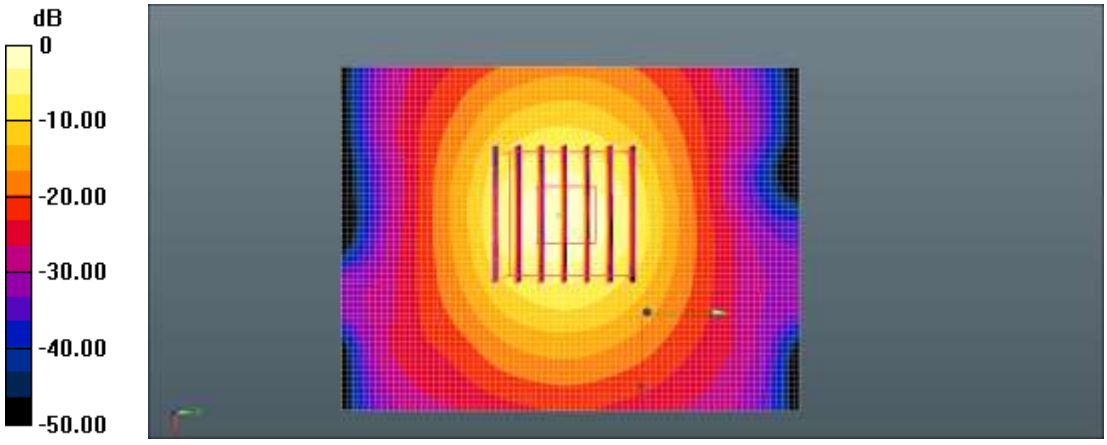
Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.198 S/m; ε_r = 34.432; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.05, 4.62, 5.34) @ 5800 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5800MHz Head Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 10.4 W/kg

5800MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 42.02 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 20.3 W/kg
SAR(1 g) = 3.92 W/kg; SAR(10 g) = 1.09 W/kg
Maximum value of SAR (measured) = 10.4 W/kg



0 dB = 10.4 W/kg = 10.19 dBW/kg

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■ Verification Data (5 250 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.8 ℃
Test Date:	01/16/2025
Band:	WLAN 5 ㎓ WIFI1+2

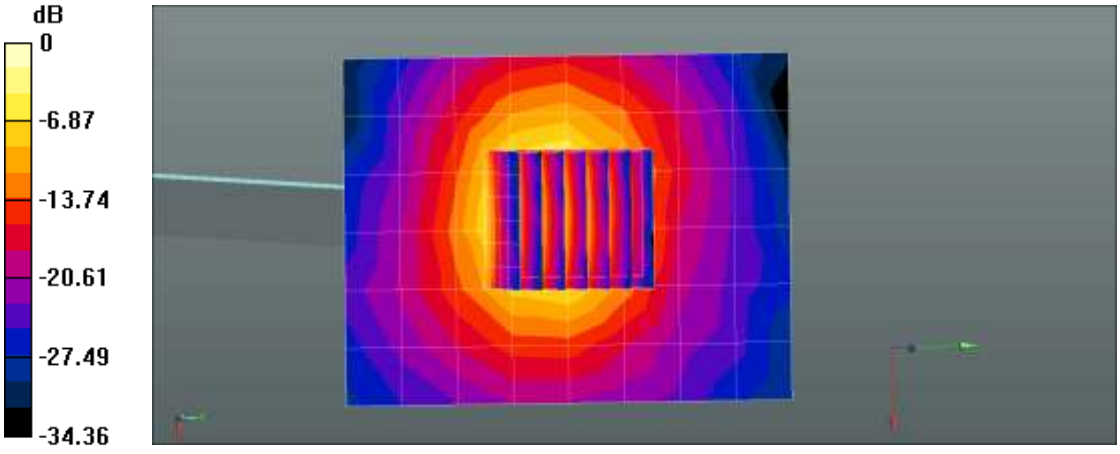
Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 4.81 S/m; ε_r = 35.011; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.54, 5.07, 5.86) @ 5250 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5250MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 8.81 W/kg

5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 45.15 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 4.15 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 8.81 W/kg = 9.45 dBW/kg

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■ Verification Data (5 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.8 ℃
Test Date:	01/16/2025
Band:	WLAN 5 ㎓ WIFI1+2

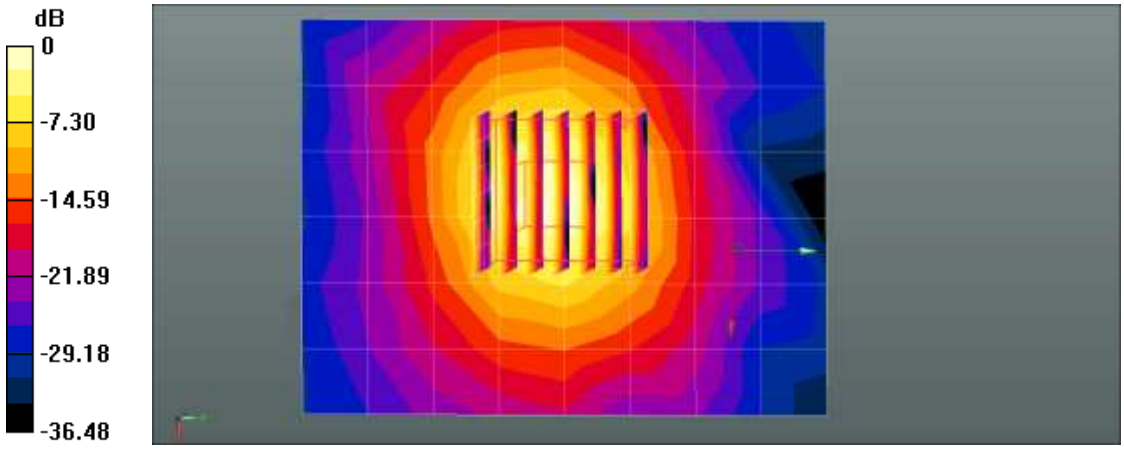
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.183 S/m; ε_r = 34.55; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.04, 4.62, 5.33) @ 5600 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5600MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.54 W/kg

5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 44.86 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 18.9 W/kg
SAR(1 g) = 4.43 W/kg; SAR(10 g) = 1.27 W/kg
Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 9.54 W/kg = 9.79 dBW/kg

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■ Verification Data (5 750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.8 ℃
Test Date:	01/16/2025
Band:	WLAN 5 ㎓ WIFI1+2

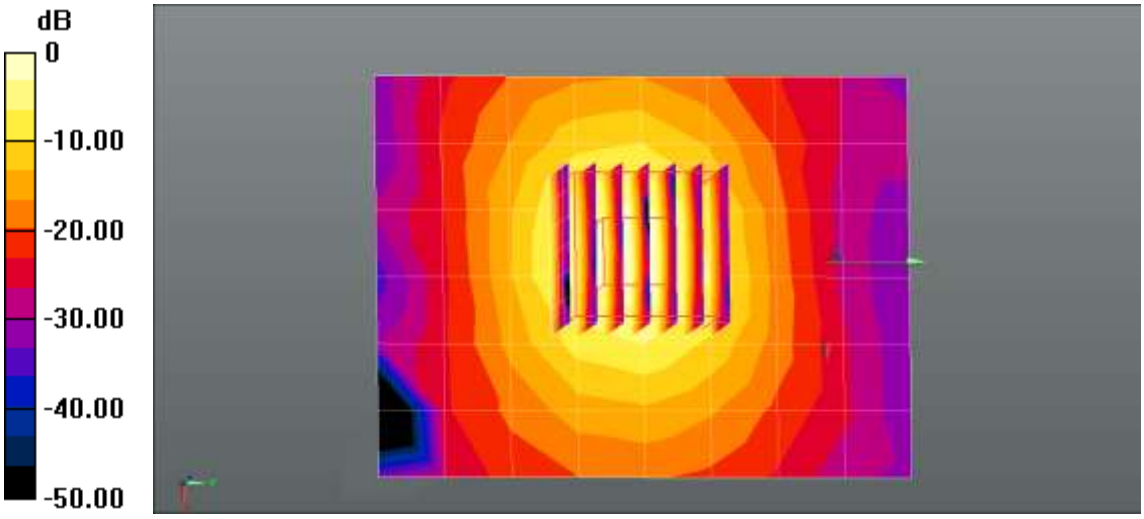
Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 5.397 S/m; ε_r = 34.44; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.04, 4.62, 5.33) @ 5750 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5750MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.17 W/kg

5750MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 43.36 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 18.8 W/kg
SAR(1 g) = 4.21 W/kg; SAR(10 g) = 1.2 W/kg
Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 9.17 W/kg = 9.62 dBW/kg

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■ Verification Data (5 800 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.8 ℃
Test Date:	01/16/2025
Band:	WLAN 5 ㎓ WIFI1+2

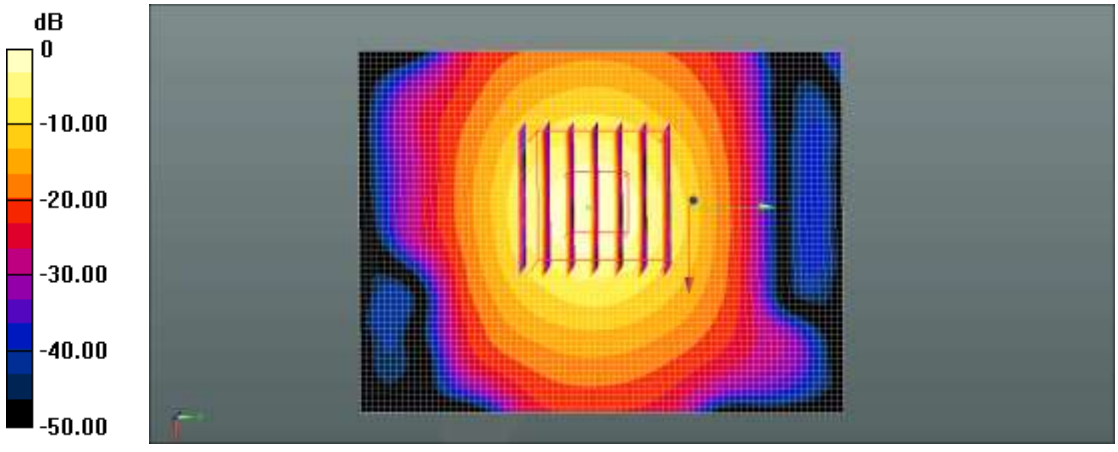
Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5800 MHz; σ = 5.33 S/m; ε_r = 34.441; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(5.05, 4.62, 5.34) @ 5800 MHz; Calibrated: 2024-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2024-09-19
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5800MHz Head Verification/Area Scan (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 10.7 W/kg

5800MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 42.05 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 21.2 W/kg
SAR(1 g) = 4.04 W/kg; SAR(10 g) = 1.12 W/kg
Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.7 W/kg = 10.29 dBW/kg

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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 bacteriacide 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 (㎒)									
	750		835		1 900		2 450 – 2 700		3500 - 5 800	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	41.1	51.7	40.45	53.06	54.9	70.17	71.88	73.2	65.52	78.66
Salt (NaCl)	1.4	0.9	1.45	0.94	0.18	0.39	0.16	0.1	0.0	0.0
Sugar	57.0	47.2	57.0	44.9	0.0	0	0.0	0.0	0.0	0.0
HEC	0.2	0	1.0	1.0	0.0	0	0.0	0.0	0.0	0.0
Bactericide	0.2	0.1	0.1	0.1	0.0	0	0.0	0.0	0.0	0.0
Triton X-100	0.0	0.0	0.0	0.0	0.0	0.0	19.97	0.0	17.24	10.67
DGBE	0.0	0.0	0.0	0.0	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

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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
16	7751	EX3DV4	Head	750	1014	2024-10-01	42.1	0.88	PASS	PASS	PASS	N/A	N/A	N/A
16	7751	EX3DV4	Head	835	441	2024-10-01	41.6	0.91	PASS	PASS	PASS	N/A	N/A	N/A
16	7751	EX3DV4	Head	835	441	2024-10-01	41.6	0.91	PASS	PASS	PASS	GMSK	PASS	N/A
5	3076	ES3DV3	Head	835	441	2024-07-27	41.7	0.93	PASS	PASS	PASS	N/A	N/A	N/A
16	7751	EX3DV4	Head	1750	2d007	2024-10-01	40.2	1.37	PASS	PASS	PASS	N/A	N/A	N/A
16	7751	EX3DV4	Head	1750	2d007	2024-10-01	40.2	1.37	PASS	PASS	PASS	GMSK	PASS	N/A
5	3076	ES3DV3	Head	1750	2d007	2024-07-27	40.1	1.39	PASS	PASS	PASS	N/A	N/A	N/A
16	7751	EX3DV4	Head	1900	5d061	2025-01-23	40.1	1.43	PASS	PASS	PASS	N/A	N/A	N/A
16	7751	EX3DV4	Head	1900	5d061	2025-01-23	40.1	1.43	PASS	PASS	PASS	GMSK	PASS	N/A
16	7751	EX3DV4	Head	2450	743	2024-10-01	39.1	1.84	PASS	PASS	PASS	OFDM	N/A	PASS
5	3076	ES3DV3	Head	2450	743	2024-07-27	39.1	1.79	PASS	PASS	PASS	OFDM	N/A	PASS
16	7751	EX3DV4	Head	2600	1015	2024-10-01	38.7	1.93	PASS	PASS	PASS	N/A	N/A	N/A
16	7751	EX3DV4	Head	2600	1015	2024-10-01	38.7	1.93	PASS	PASS	PASS	TDD	PASS	N/A
16	7751	EX3DV4	Head	3500	1132	2025-01-19	38.2	2.94	PASS	PASS	PASS	TDD	PASS	N/A
16	7751	EX3DV4	Head	3700	1105	2024-10-01	37.9	3.15	PASS	PASS	PASS	TDD	PASS	N/A
16	7751	EX3DV4	Head	3900	1086	2024-10-01	37.7	3.30	PASS	PASS	PASS	TDD	PASS	N/A
9	7309	EX3DV4	Head	5250	1107	2024-06-30	35.8	4.72	PASS	PASS	PASS	OFDM	N/A	PASS
9	7309	EX3DV4	Head	5600	1107	2024-06-30	35.2	5.10	PASS	PASS	PASS	OFDM	N/A	PASS
9	7309	EX3DV4	Head	5750	1107	2024-06-30	35.4	5.22	PASS	PASS	PASS	OFDM	N/A	PASS
16	7751	EX3DV4	Head	5750	1107	2024-10-01	35.2	5.26	PASS	PASS	PASS	OFDM	N/A	PASS
9	7309	EX3DV4	Head	5800	1107	2024-06-30	35.3	5.26	PASS	PASS	PASS	OFDM	N/A	PASS

SAR System Validation Summary

Note;

All measurement were performed using probes calibrated for CW signal only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04. SAR system were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to KDB 865664 D01v01r04.

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