Appendix B. – SAR Test Plots

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.7 ℃
Test Date:	06/07/2023
Plot No.:	A1

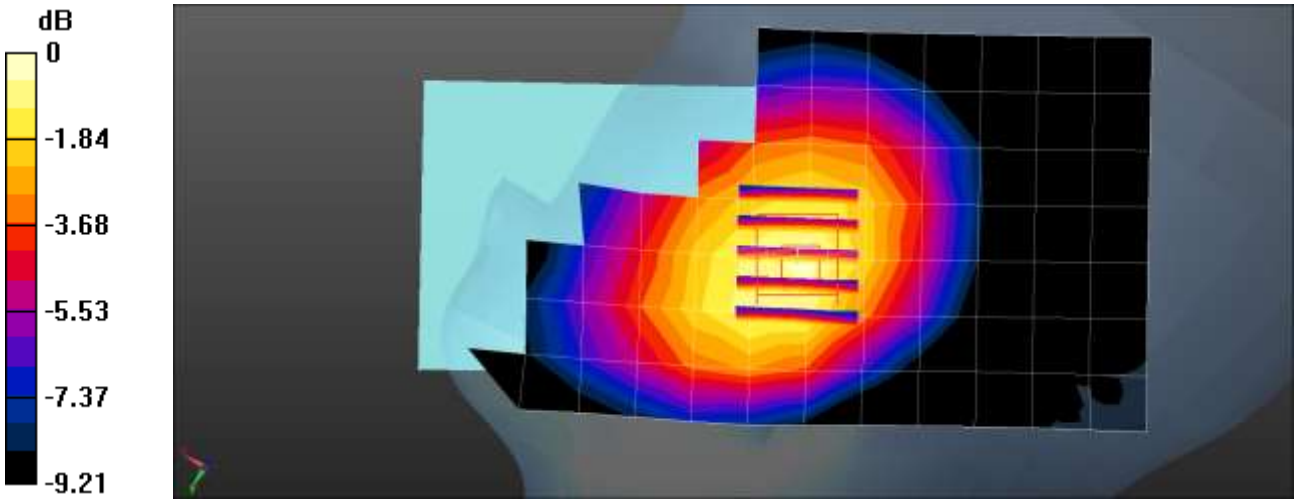
Communication System: UID 0, GSM850 GPRS 3TX (0); Frequency: 848.8 MHz;Duty Cycle: 1:2.77013
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.951 S/m; ε_r = 41.751; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 848.8 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

GSM 850 Head Right Touch 3Tx 251ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.427 W/kg

GSM 850 Head Right Touch 3Tx 251ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.996 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.487 W/kg
SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.265 W/kg
Maximum value of SAR (measured) = 0.448 W/kg



0 dB = 0.448 W/kg = -3.49 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.1 ℃
Test Date:	07/04/2023
Plot No.:	A2

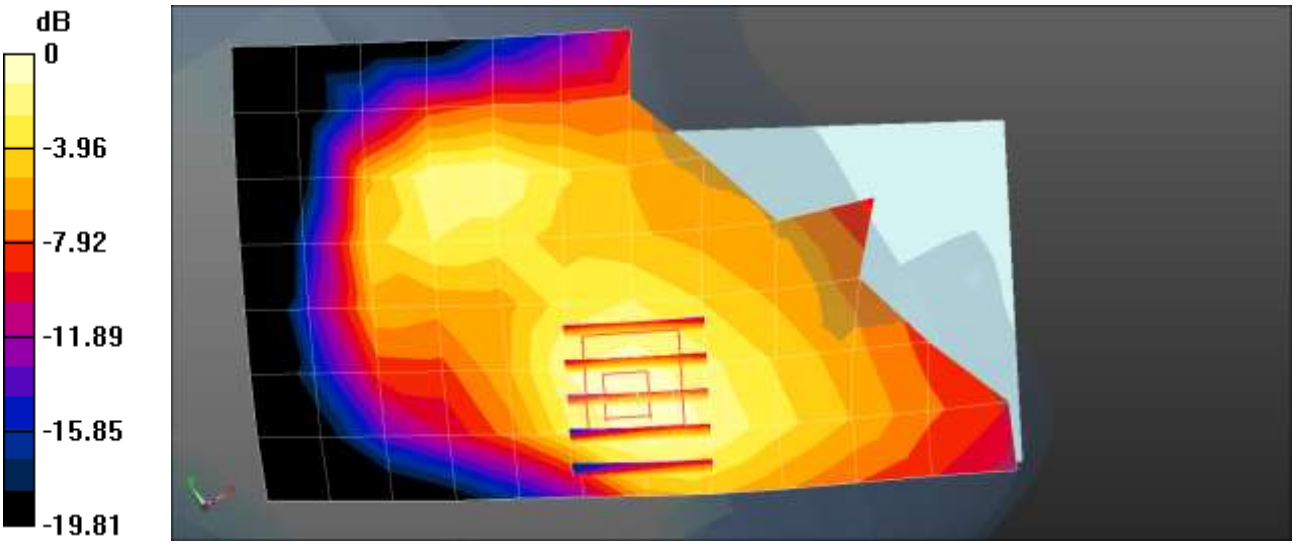
Communication System: UID 0, GSM 1900 4TX (0); Frequency: 1880 MHz;Duty Cycle: 1:2.07491
Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 41.38; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1880 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

GSM1900 4Tx Head Left Touch 661ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.189 W/kg

GSM1900 4Tx Head Left Touch 661ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.111 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.238 W/kg
SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.101 W/kg
Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg = -6.80 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.9 ℃
Ambient Temperature:	20.9 ℃
Test Date:	06/09/2023
Plot No.:	A3

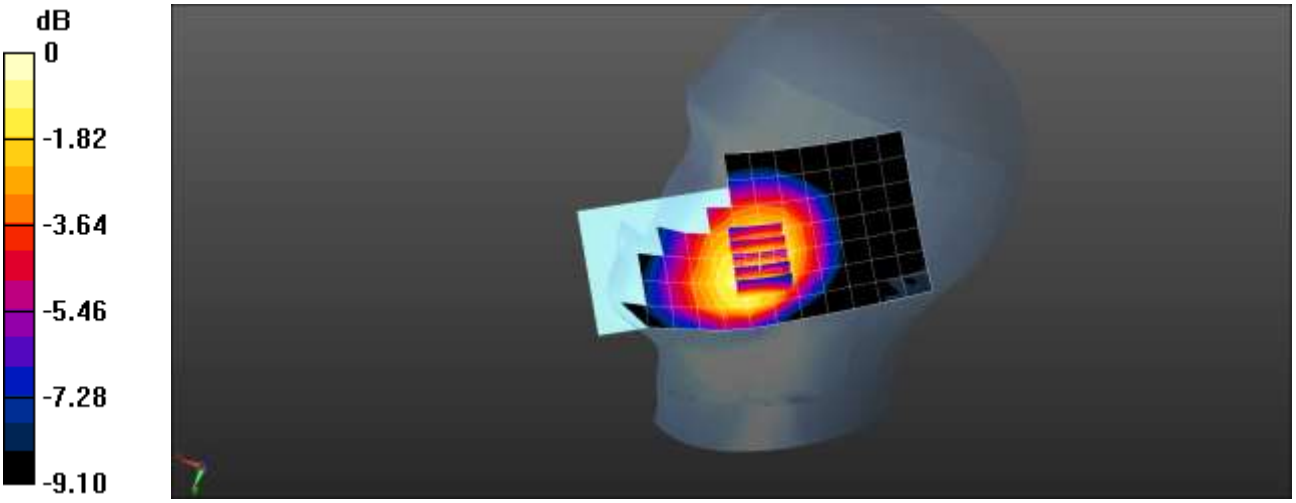
Communication System: UID 0, WCDMA850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.93 S/m; ε_r = 41.827; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.6 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

UMTS Band 5 Head Right Touch 4183ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.354 W/kg

UMTS Band 5 Head Right Touch 4183ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.224 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.401 W/kg
SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.236 W/kg
Maximum value of SAR (measured) = 0.375 W/kg



0 dB = 0.375 W/kg = -4.26 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	A4

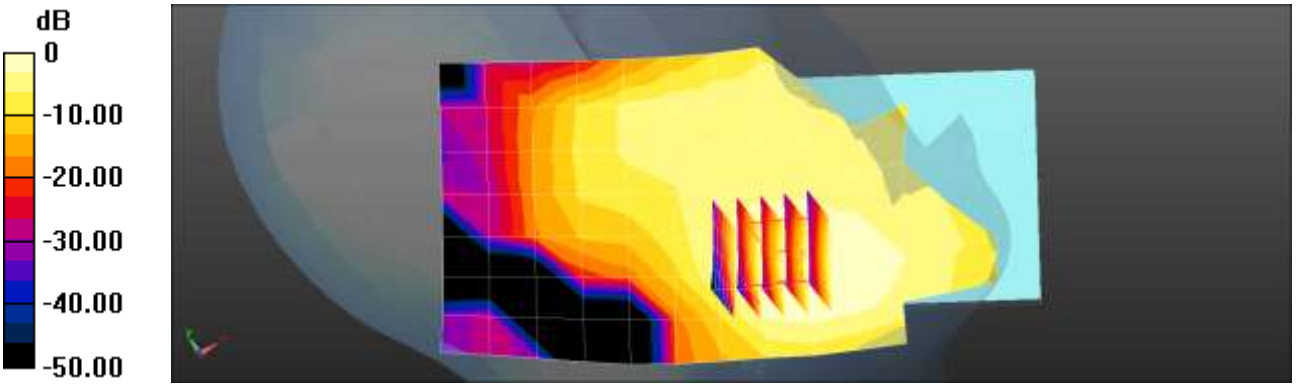
Communication System: UID 0, WCDMA 1700 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.345 S/m; ε_r = 41.421; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1732.4 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

UMTS Band 4 Head Left Touch 1412ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.310 W/kg

UMTS Band 4 Head Left Touch 1412ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.272 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.170 W/kg
Maximum value of SAR (measured) = 0.316 W/kg



0 dB = 0.310 W/kg = -5.09 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	A5

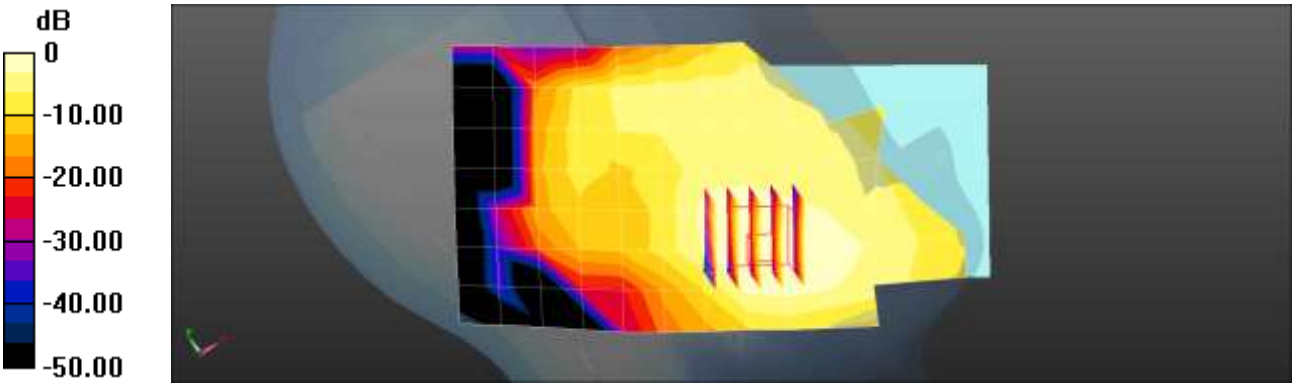
Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.402 S/m; ε_r = 41.382; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1880 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

UMTS Band 2 Head Left Touch 9400ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.388 W/kg

UMTS Band 2 Head Left Touch 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.781 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.455 W/kg
SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.210 W/kg
Maximum value of SAR (measured) = 0.403 W/kg



0 dB = 0.388 W/kg = -4.11 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.1 ℃
Ambient Temperature:	21.2 ℃
Test Date:	09/15/2023
Plot No.:	A6

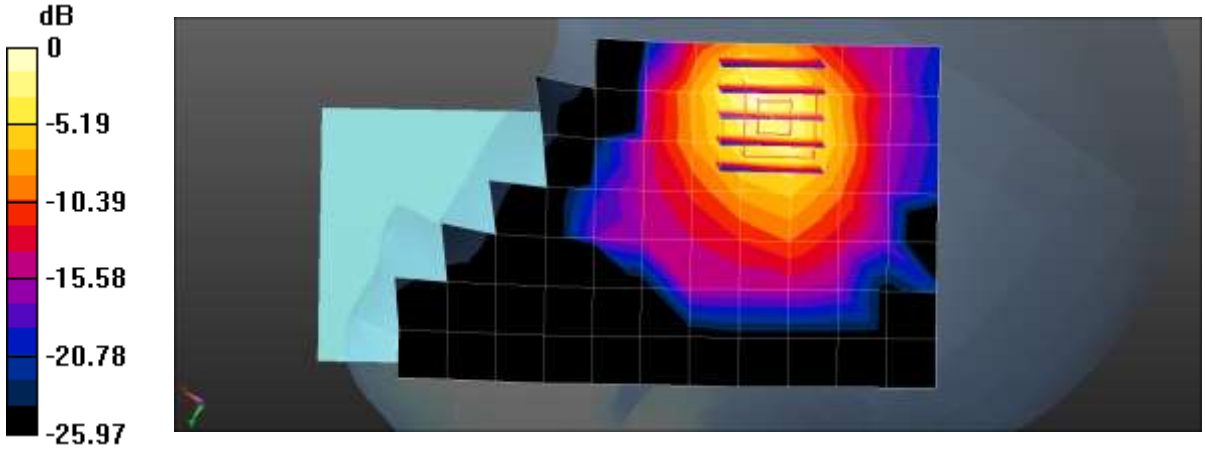
Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.397 S/m; ε_r = 41.366; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(8.19, 7.47, 8.43) @ 1880 MHz; Calibrated: 2023-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1464; Calibrated: 2023-06-16
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 2 Head Right Touch QPSK 20MHz 1RB 0offset 18900ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.168 W/kg

LTE Band 2 Head Right Touch QPSK 20MHz 1RB 0offset 18900ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.646 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.283 W/kg
SAR(1 g) = 0.141 W/kg; SAR(10 g) = 0.068 W/kg
Maximum value of SAR (measured) = 0.232 W/kg



0 dB = 0.232 W/kg = -6.35 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.0 ℃
Ambient Temperature:	20.1 ℃
Test Date:	05/30/2023
Plot No.:	A7

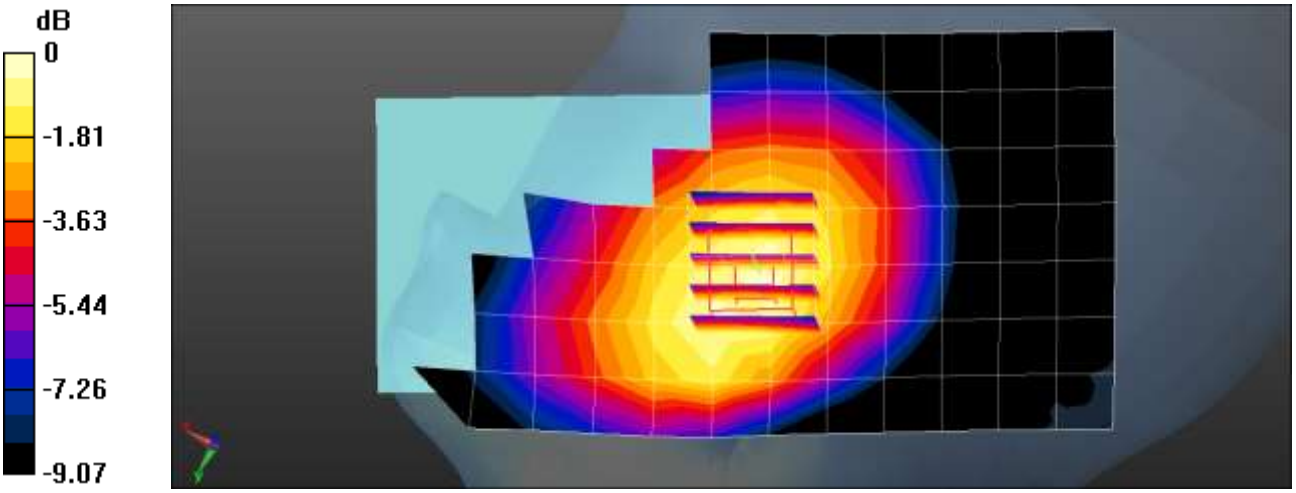
Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.922 S/m; ε_r = 41.735; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 5 Head Right Touch QPSK 10MHz 1RB 49offset 20525ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.391 W/kg

LTE Band 5 Head Right Touch QPSK 10MHz 1RB 49offset 20525ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.767 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.402 W/kg



0 dB = 0.402 W/kg = -3.96 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/03/2023
Plot No.:	A8

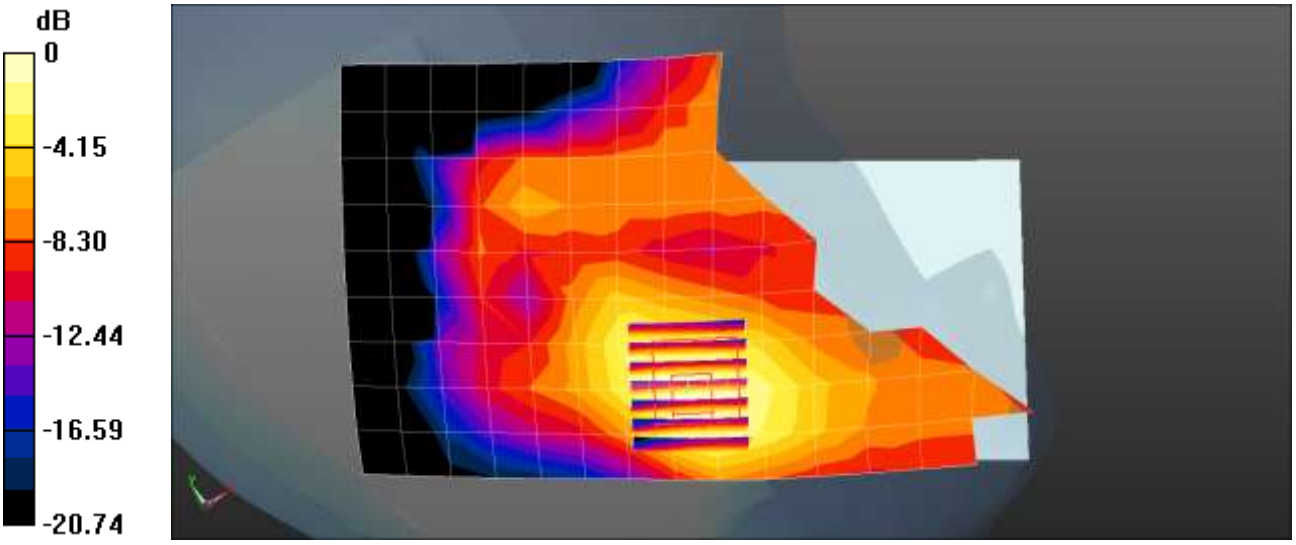
Communication System: UID 0, LTE Band 7 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.937 S/m; ε_r = 39.359; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2535 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 7 Head Left Touch QPSK 20MHz 1RB 0offset 21100ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.379 W/kg

LTE Band 7 Head Left Touch QPSK 20MHz 1RB 0offset 21100ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.184 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.495 W/kg
SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.151 W/kg
Maximum value of SAR (measured) = 0.402 W/kg



0 dB = 0.402 W/kg = -3.96 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.1 ℃
Test Date:	05/31/2023
Plot No.:	A9

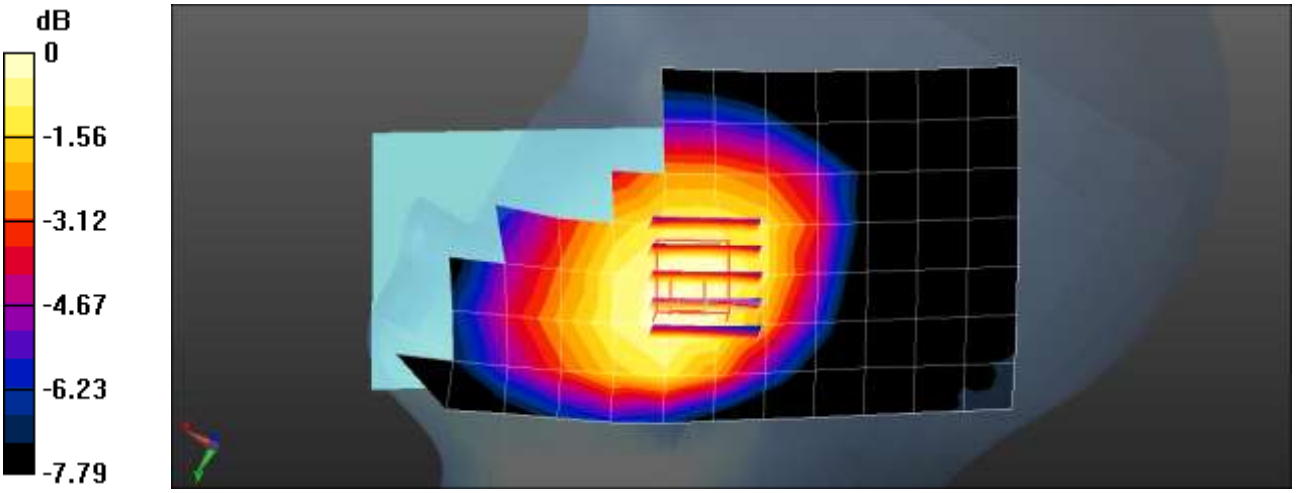
Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.863 S/m; ε_r = 42.533; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 707.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 12 Head Right Touch QPSK 10MHz 1RB 0offset 23095ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.171 W/kg

LTE Band 12 Head Right Touch QPSK 10MHz 1RB 0offset 23095ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.043 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.185 W/kg
SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.127 W/kg
Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.174 W/kg = -7.59 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.3 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/01/2023
Plot No.:	A10

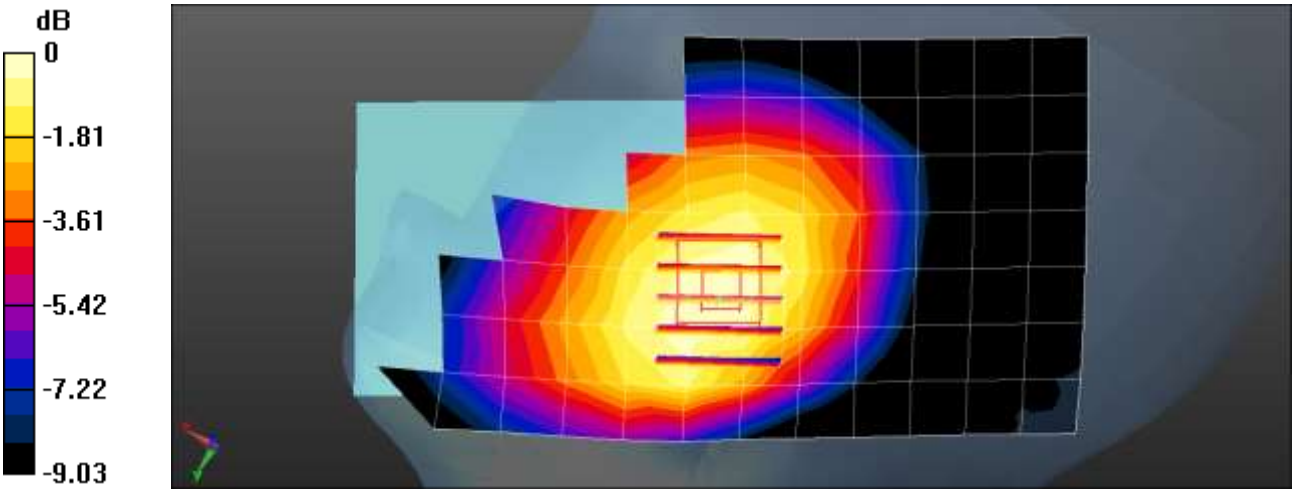
Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.936 S/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 782 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 13 Head Right Touch QPSK 10MHz 1RB 0offset 23230ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.224 W/kg

LTE Band 13 Head Right Touch QPSK 10MHz 1RB 0offset 23230ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.758 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.244 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.158 W/kg
Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg = -6.44 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.9 ℃
Ambient Temperature:	20.0 ℃
Test Date:	06/02/2023
Plot No.:	A11

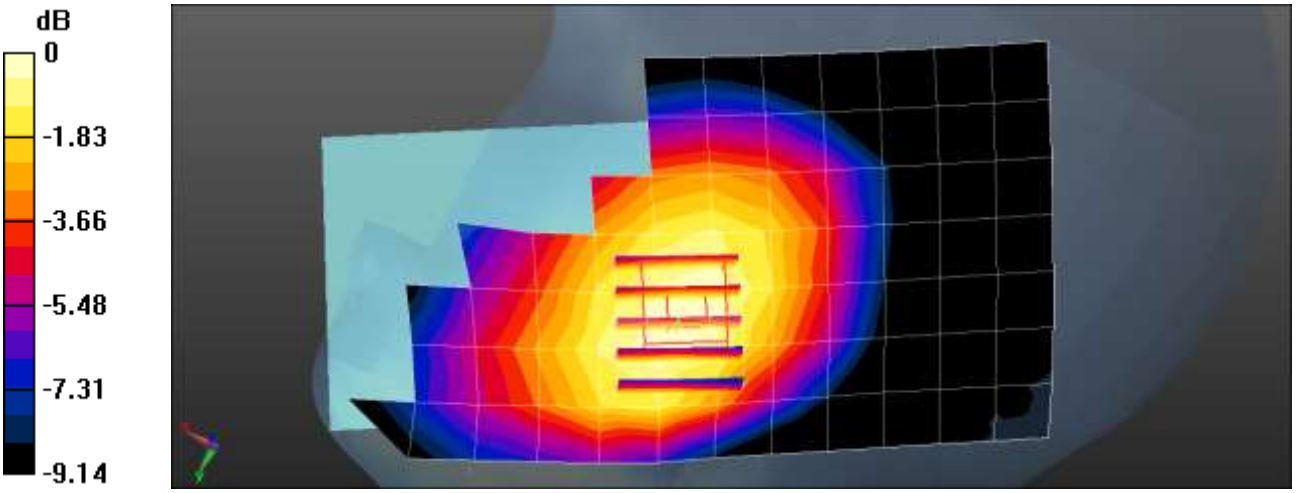
Communication System: UID 0, LTE 14 (0); Frequency: 793 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 793 MHz; σ = 0.947 S/m; ε_r = 41.499; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 793 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 14 Head Right Touch QPSK 10MHz 1RB 0offset 23330ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.200 W/kg

LTE Band 14 Head Right Touch QPSK 10MHz 1RB 0offset 23330ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.267 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.141 W/kg
Maximum value of SAR (measured) = 0.206 W/kg



0 dB = 0.206 W/kg = -6.86 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/03/2023
Plot No.:	A12

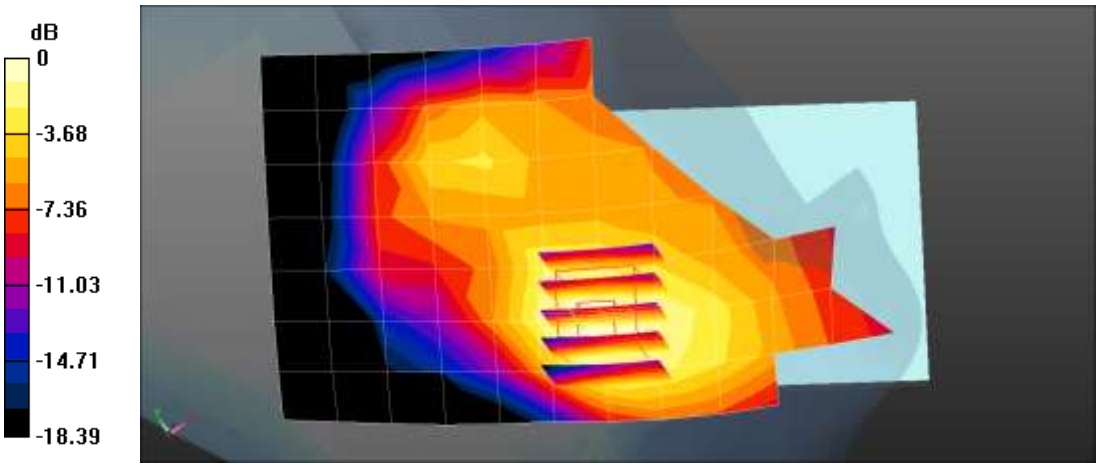
Communication System: UID 0, LTE Band 25 (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.41 S/m; ε_r = 41.449; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1882.5 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 25 Head Left Touch QPSK 20MHz 1RB 49offset 26365ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.316 W/kg

LTE Band 25 Head Left Touch QPSK 20MHz 1RB 49offset 26365ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.517 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.365 W/kg
SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.149 W/kg
Maximum value of SAR (measured) = 0.317 W/kg



0 dB = 0.317 W/kg = -4.99 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.1 ℃
Ambient Temperature:	19.3 ℃
Test Date:	06/03/2023
Plot No.:	A13

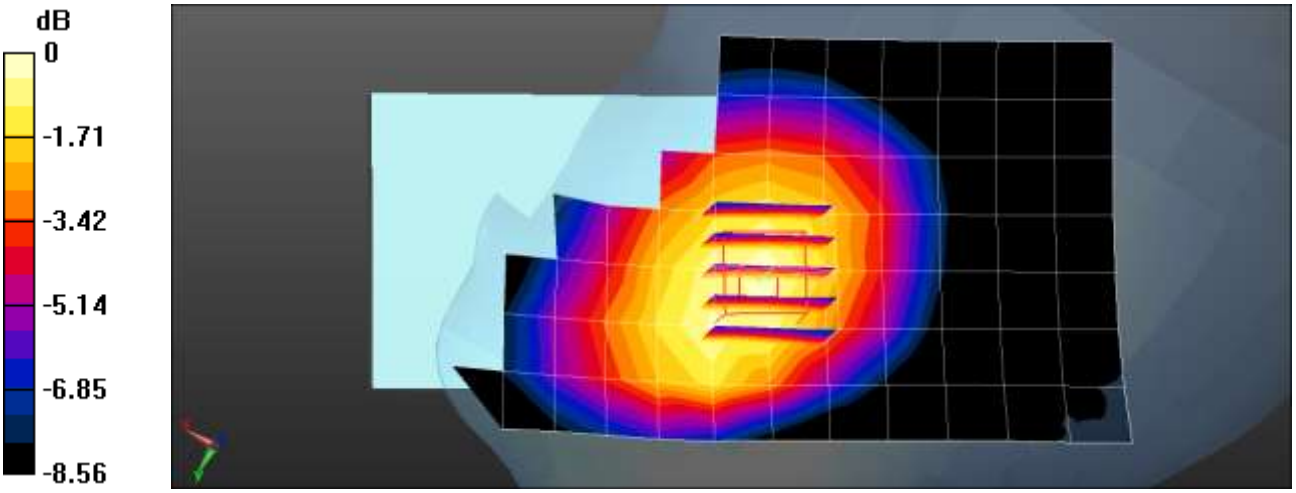
Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.919 S/m; ε_r = 41.838; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 831.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 26 Head Right Touch QPSK 15MHz 1RB 0offset 26865ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.368 W/kg

LTE Band 26 Head Right Touch QPSK 15MHz 1RB 0offset 26865ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.567 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.245 W/kg
Maximum value of SAR (measured) = 0.382 W/kg



0 dB = 0.382 W/kg = -4.18 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	A14

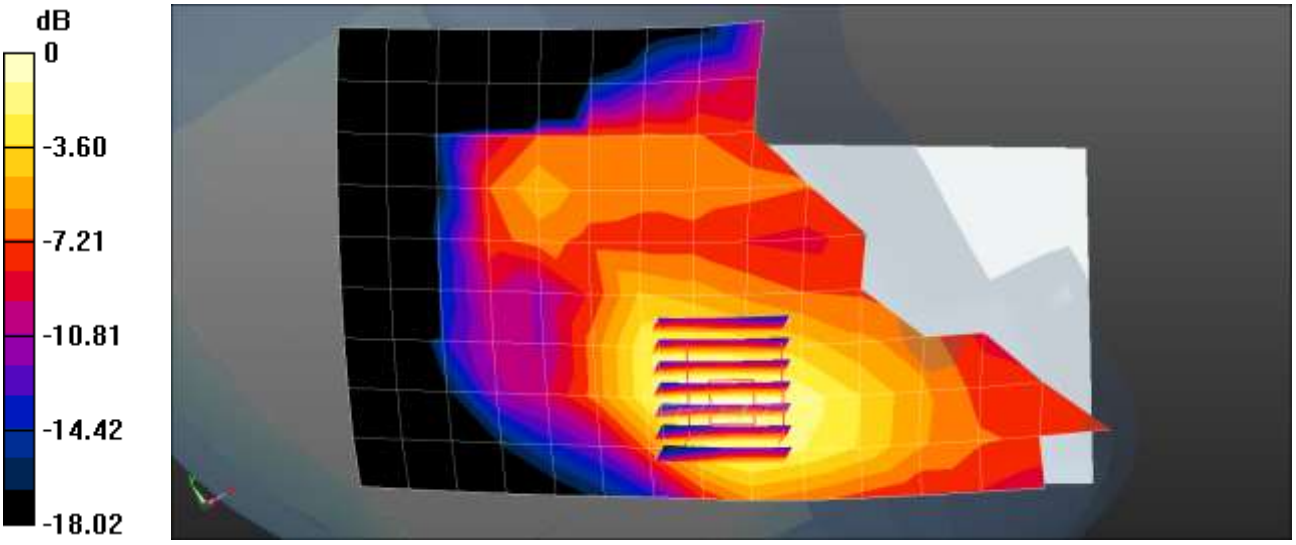
Communication System: UID 0, LTE Band 30 (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.718 S/m; ε_r = 39.909; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.58, 8.04, 7.88) @ 2310 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 30 Head Left Touch QPSK 10MHz 1RB 0offset 27710ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.265 W/kg

LTE Band 30 Head Left Touch QPSK 10MHz 1RB 0offset 27710ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.688 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.343 W/kg
SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.115 W/kg
Maximum value of SAR (measured) = 0.290 W/kg



0 dB = 0.290 W/kg = -5.38 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/05/2023
Plot No.:	A15

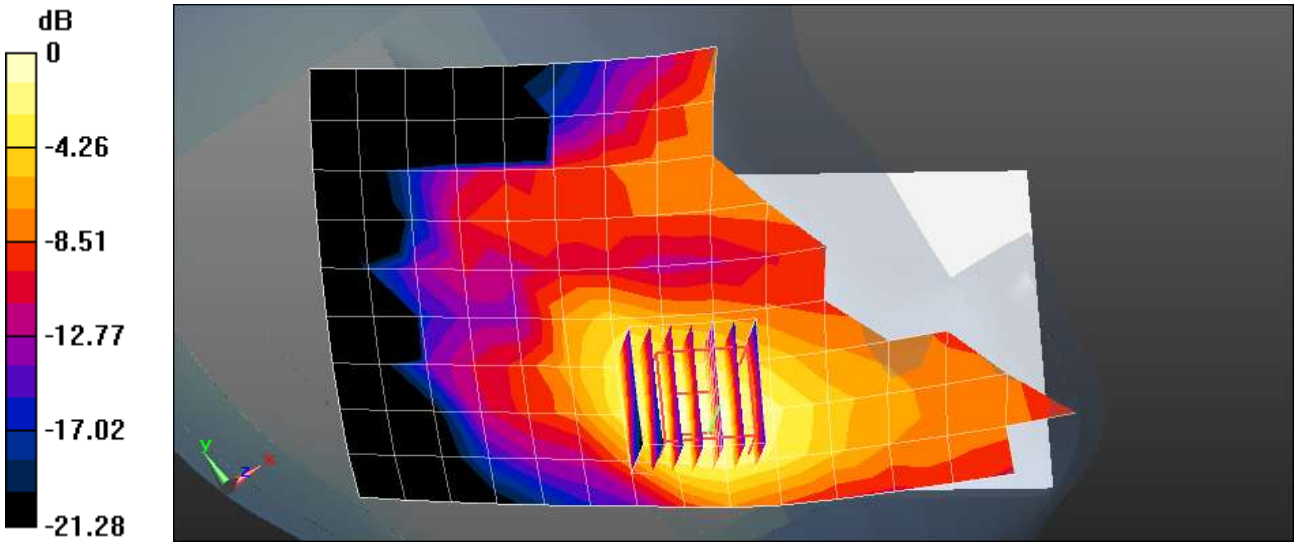
Communication System: UID 0, LTE Band 41 (FCC) (0); Frequency: 2593 MHz;Duty Cycle: 1:1.58052
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.015 S/m; ε_r = 39.328; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2593 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

LTE Band 41 Head Left Touch QPSK 20MHz 1RB 0offset 40620ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.381 W/kg

LTE Band 41 Head Left Touch QPSK 20MHz 1RB 0offset 40620ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.376 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.486 W/kg
SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.145 W/kg
Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.399 W/kg = −3.99 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.0 ℃
Ambient Temperature:	22.1 ℃
Test Date:	09/04/2023
Plot No.:	A16

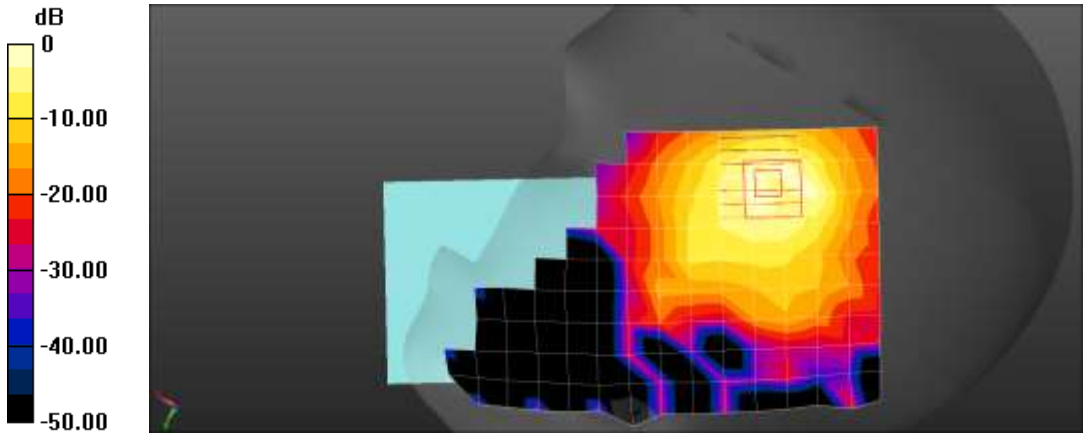
Communication System: UID 0, LTE 48(FCC) (0); Frequency: 3603.3 MHz;Duty Cycle: 1:1.58016
Medium parameters used (interpolated): f = 3603.3 MHz; σ = 3.05 S/m; ε_r = 37.723; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3603.3 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 48 Head Right Touch QPSK 20MHz 50RB 49offset 55773ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.629 W/kg

LTE Band 48 Head Right Touch QPSK 20MHz 50RB 49offset 55773ch/Zoom Scan (7x7x8)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 5.174 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.184 W/kg
Maximum value of SAR (measured) = 0.937 W/kg



0 dB = 0.937 W/kg = -0.28 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.4 ℃
Ambient Temperature:	20.5 ℃
Test Date:	06/30/2023
Plot No.:	A17

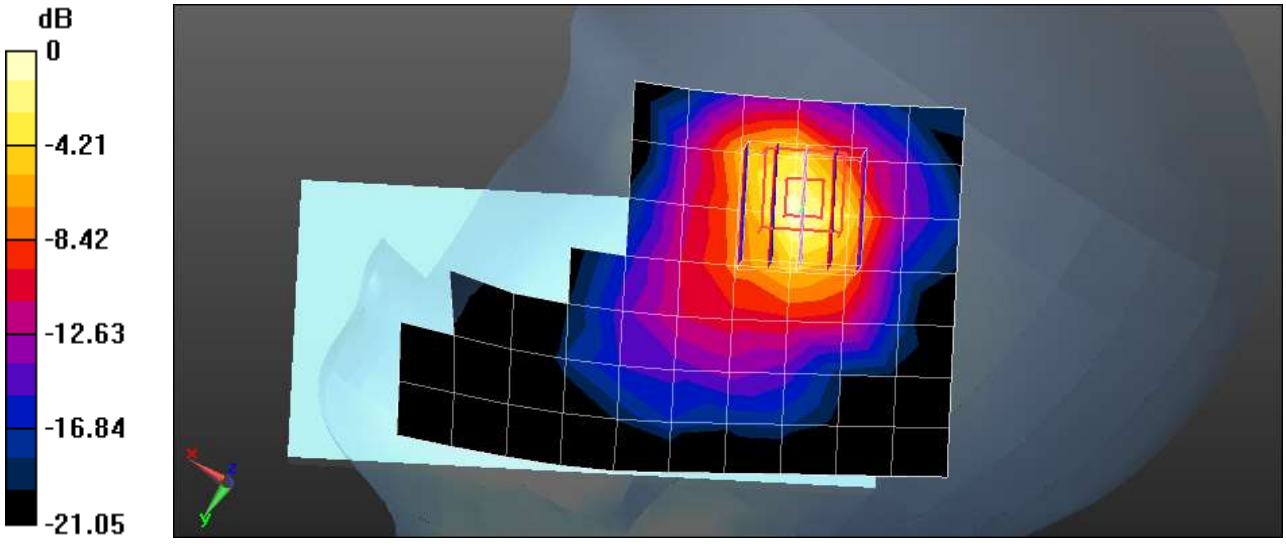
Communication System: UID 0, LTE Band 66 (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.356 S/m; ε_r = 41.251; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1745 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

LTE Band 66 Head Right Touch QPSK 20MHz 1RB 0offset 132322ch/Area Scan (8x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.564 W/kg

LTE Band 66 Head Right Touch QPSK 20MHz 1RB 0offset 132322ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.825 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.793 W/kg
SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.172 W/kg
Maximum value of SAR (measured) = 0.583 W/kg



0 dB = 0.583 W/kg = -2.34 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.6 ℃
Test Date:	06/12/2023
Plot No.:	A18

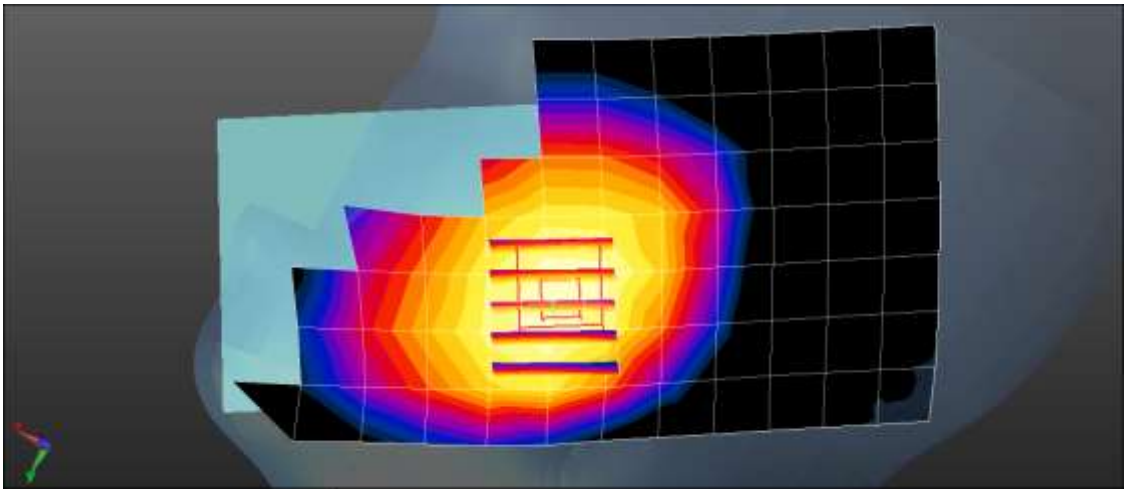
Communication System: UID 0, LTE Band 71 (0); Frequency: 680.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.872 S/m; ε_r = 43.03; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 680.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 71 Head Right Touch QPSK 20MHz 1RB 0offset 133297ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.168 W/kg

LTE Band 71 Head Right Touch QPSK 20MHz 1RB 0offset 133297ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.627 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.124 W/kg
Maximum value of SAR (measured) = 0.170 W/kg



0 dB = 0.170 W/kg = -7.70 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/13/2023
Plot No.:	A19

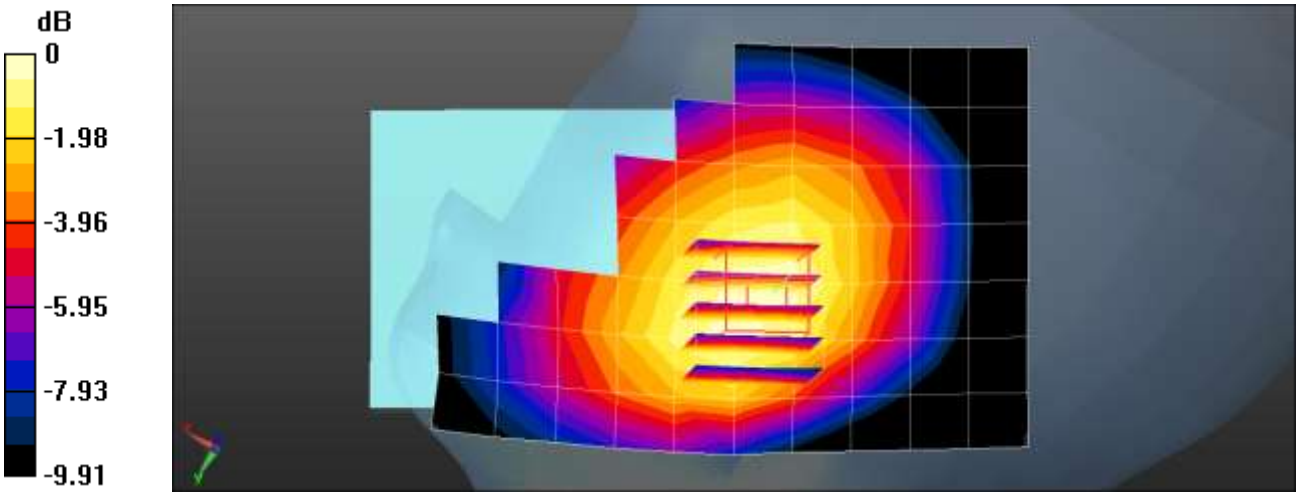
Communication System: UID 0, NR n5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.921 S/m; ε_r = 41.668; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

NR Band n5 Head Right Touch DFT-s QPSK 20MHz 50RB 28offset 167300ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.356 W/kg

NR Band n5 Head Right Touch DFT-s QPSK 20MHz 50RB 28offset 167300ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.558 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.398 W/kg
SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.235 W/kg
Maximum value of SAR (measured) = 0.369 W/kg



0 dB = 0.369 W/kg = -4.33 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.0 ℃
Test Date:	06/09/2023
Plot No.:	A20

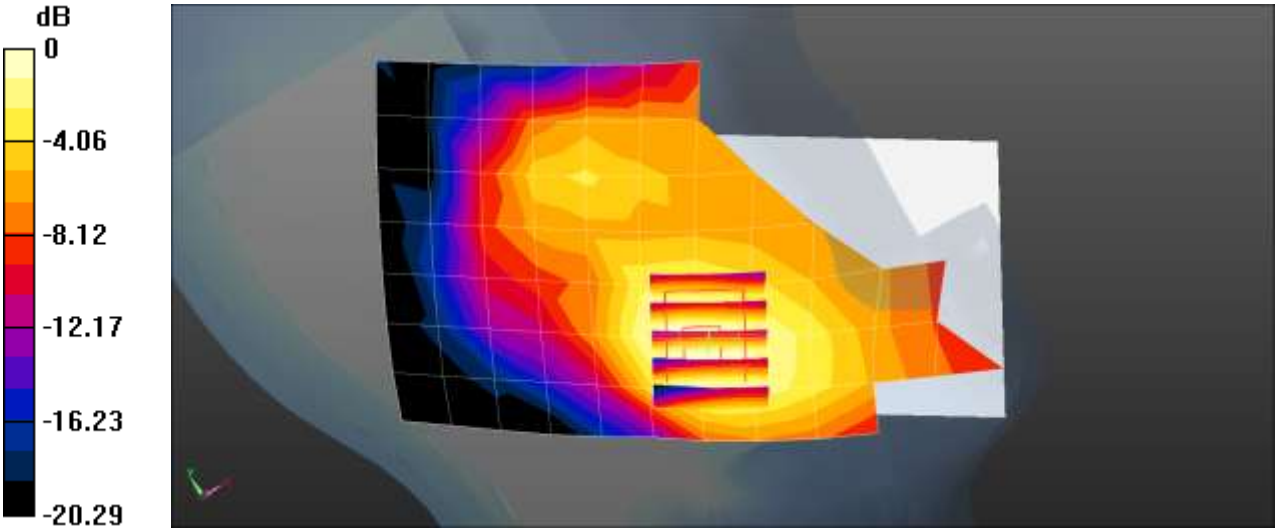
Communication System: UID 0, NR Band 2,25 (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.412 S/m; ε_r = 41.469; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1882.5 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n25 Head Left Touch DFT-s QPSK 40MHz 1RB 108offset 376500ch/Area Scan (8x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.319 W/kg

NR Band n25 Head Left Touch DFT-s QPSK 40MHz 1RB 108offset 376500ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.006 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.366 W/kg
SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.149 W/kg
Maximum value of SAR (measured) = 0.320 W/kg



0 dB = 0.320 W/kg = -4.95 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.4 ℃
Test Date:	06/08/2023
Plot No.:	A21

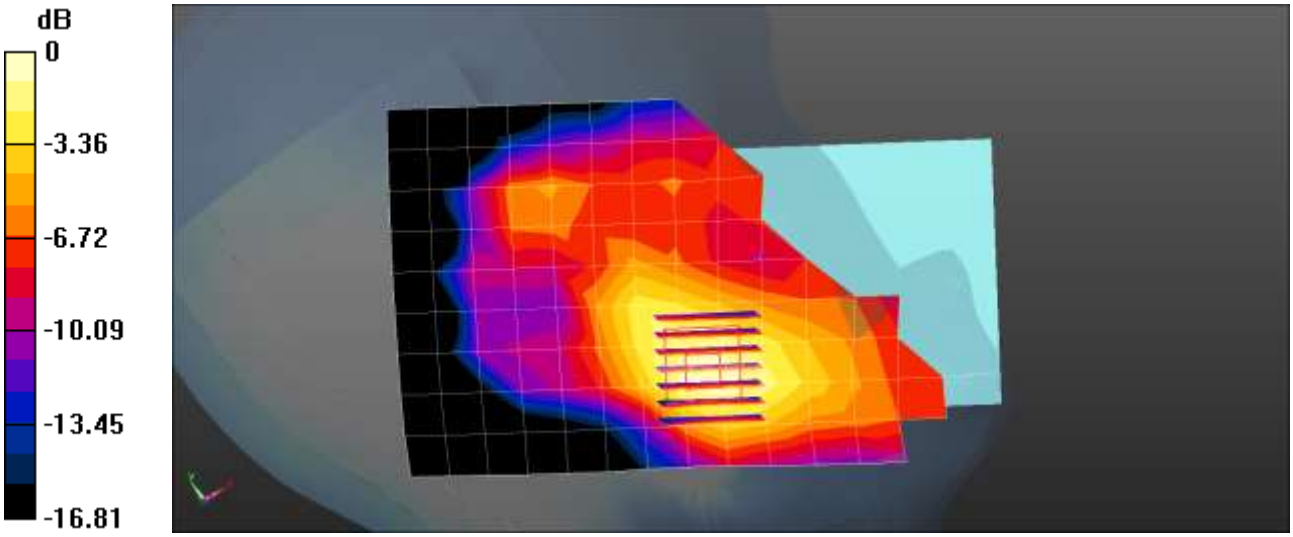
Communication System: UID 0, NR Band 30 (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.72 S/m; ε_r = 39.963; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.58, 8.04, 7.88) @ 2310 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n30 Head Left Touch DFT-s QPSK 10MHz 25RB 14offset 462000ch/Area Scan (10x16x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.298 W/kg

NR Band n30 Head Left Touch DFT-s QPSK 10MHz 25RB 14offset 462000ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.241 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.361 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.121 W/kg
Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.306 W/kg = -5.14 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.5 ℃
Ambient Temperature:	22.5 ℃
Test Date:	09/07/2023
Plot No.:	A22

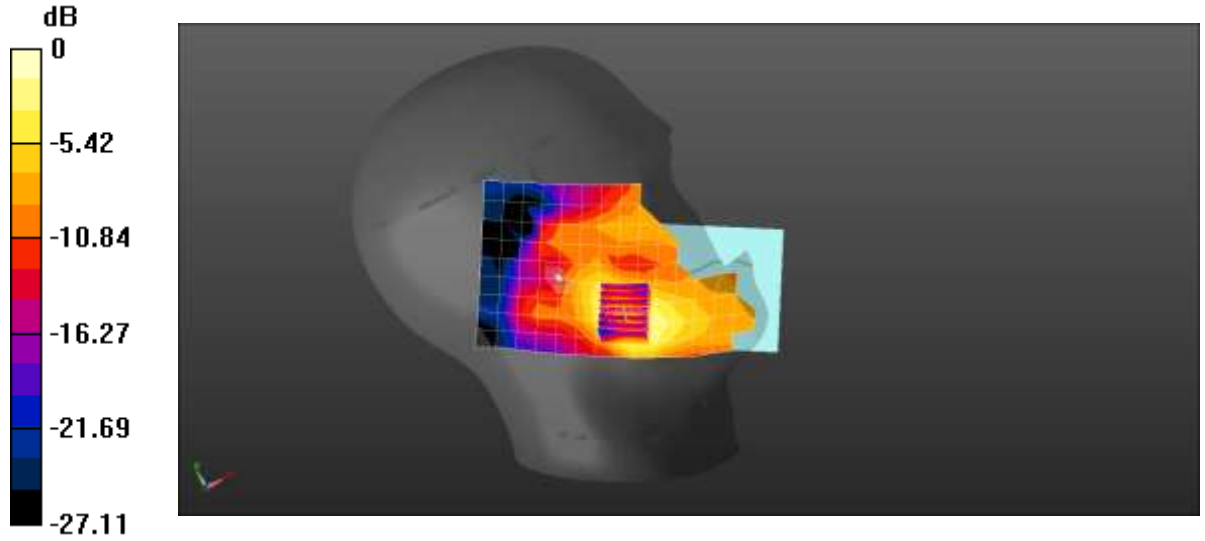
Communication System: UID 0, NR n41 (0); Frequency: 2592.99 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2592.99 MHz; σ = 2.029 S/m; ε_r = 38.139; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(7.7, 7.06, 7.97) @ 2592.99 MHz; Calibrated: 6/19/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; Calibrated: 11/16/2022
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 Ax; Serial: 2014
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n41 Head Left Touch DFT-s QPSK 100MHz 135RB 69offset 518598ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.613 W/kg

NR Band n41 Head Left Touch DFT-s QPSK 100MHz 135RB 69offset 518598ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.905 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.782 W/kg
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.217 W/kg
Maximum value of SAR (measured) = 0.647 W/kg



0 dB = 0.647 W/kg = -1.89 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.9 ℃
Ambient Temperature:	21.9 ℃
Test Date:	09/21/2023
Plot No.:	A23

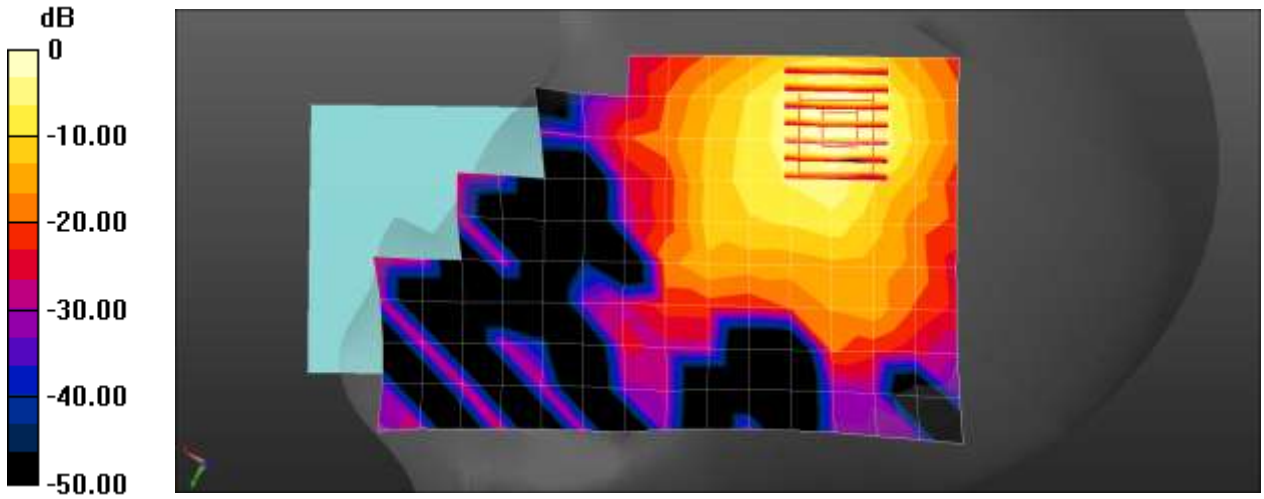
Communication System: UID 0, NR n48 (0); Frequency: 3679.98 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3680 MHz; σ = 3.159 S/m; ε_r = 37.398; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7370; ConvF(6.8, 6.8, 6.8) @ 3679.98 MHz; Calibrated: 2023-08-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1225; Calibrated: 2023-03-06
- Phantom: Twin-SAM V8.0 (Right-Left); Type: QD 000 P41 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n48 Head Right Touch DFT-s QPSK 40MHz 50RB 56offset 645332ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.697 W/kg

NR Band n48 Head Right Touch DFT-s QPSK 40MHz 50RB 56offset 645332ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 5.249 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.159 W/kg
Maximum value of SAR (measured) = 0.813 W/kg



0 dB = 0.813 W/kg = -0.90 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.4 ℃
Test Date:	06/12/2023
Plot No.:	A24

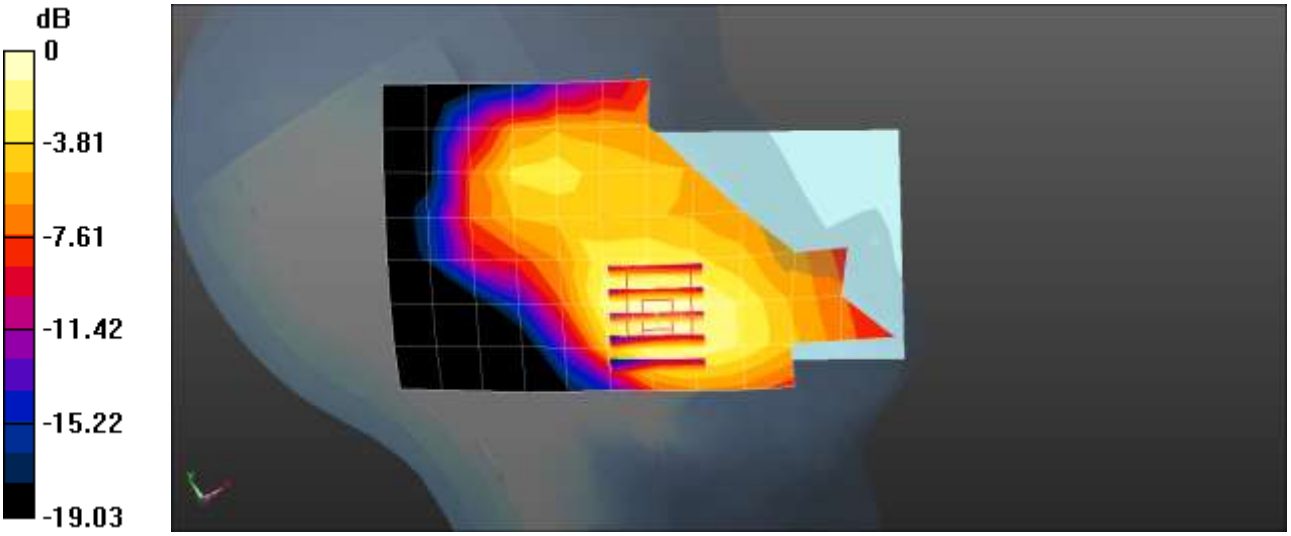
Communication System: UID 0, NR Band 66 (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.358 S/m; ε_r = 41.326; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1745 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n66 Head Left Touch DFT-s QPSK 40MHz 108RB 54offset 349000ch/Area Scan (8x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.229 W/kg

NR Band n66 Head Left Touch DFT-s QPSK 40MHz 108RB 54offset 349000ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.837 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.278 W/kg
SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.118 W/kg
Maximum value of SAR (measured) = 0.243 W/kg



0 dB = 0.243 W/kg = -6.14 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.7 ℃
Test Date:	06/13/2023
Plot No.:	A25

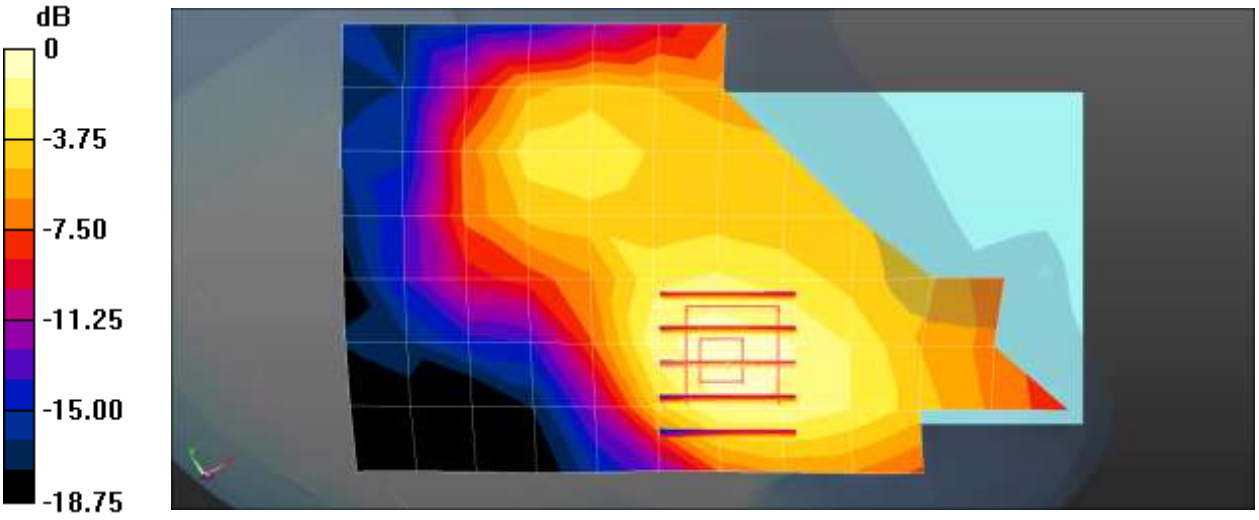
Communication System: UID 0, NR Band n70 (0); Frequency: 1702.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1702.5 MHz; σ = 1.327 S/m; ε_r = 41.477; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1702.5 MHz; Calibrated: 2023-05-25
  - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = -2.0, 31.0
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

NR Band n70 Head Left Touch DFT-s QPSK 15MHz 36RB 22offset 340500ch/Area Scan (8x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.225 W/kg

NR Band n70 Head Left Touch DFT-s QPSK 15MHz 36RB 22offset 340500ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.402 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.268 W/kg
SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.115 W/kg
Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg = -6.23 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.4 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/14/2023
Plot No.:	A26

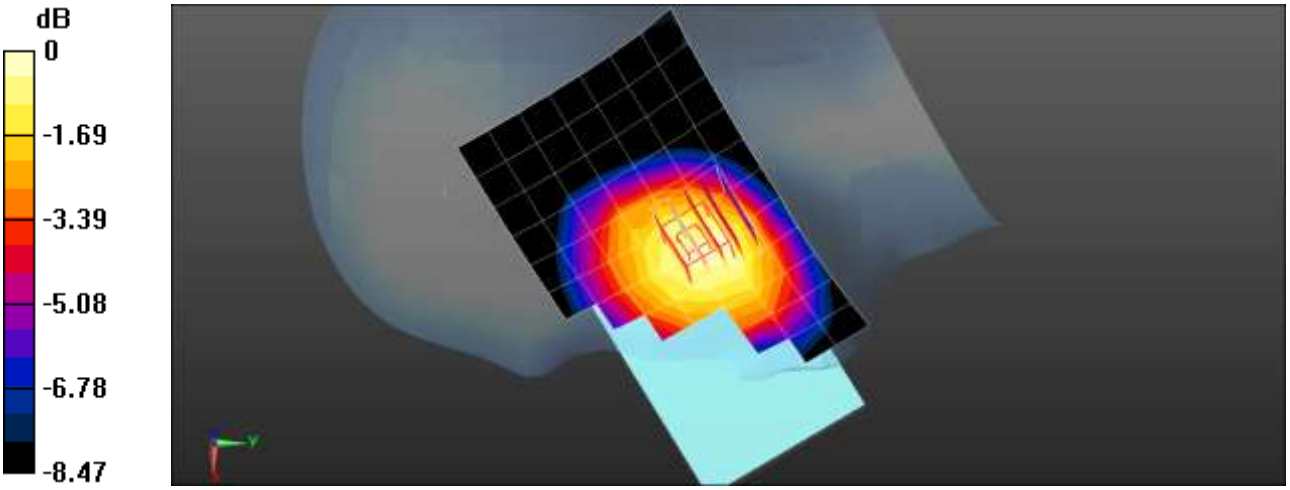
Communication System: UID 0, NR n71 (0); Frequency: 680.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.875 S/m; ε_r = 43.063; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 680.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

NR Band n71 Head Right Touch DFT-s QPSK 20MHz 1RB 53offset 136100ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.249 W/kg

NR Band n71 Head Right Touch DFT-s QPSK 20MHz 1RB 53offset 136100ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.226 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.279 W/kg
SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.181 W/kg
Maximum value of SAR (measured) = 0.262 W/kg



0 dB = 0.262 W/kg = -5.82 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.2 ℃
Ambient Temperature:	21.4 ℃
Test Date:	07/04/2023
Plot No.:	A27

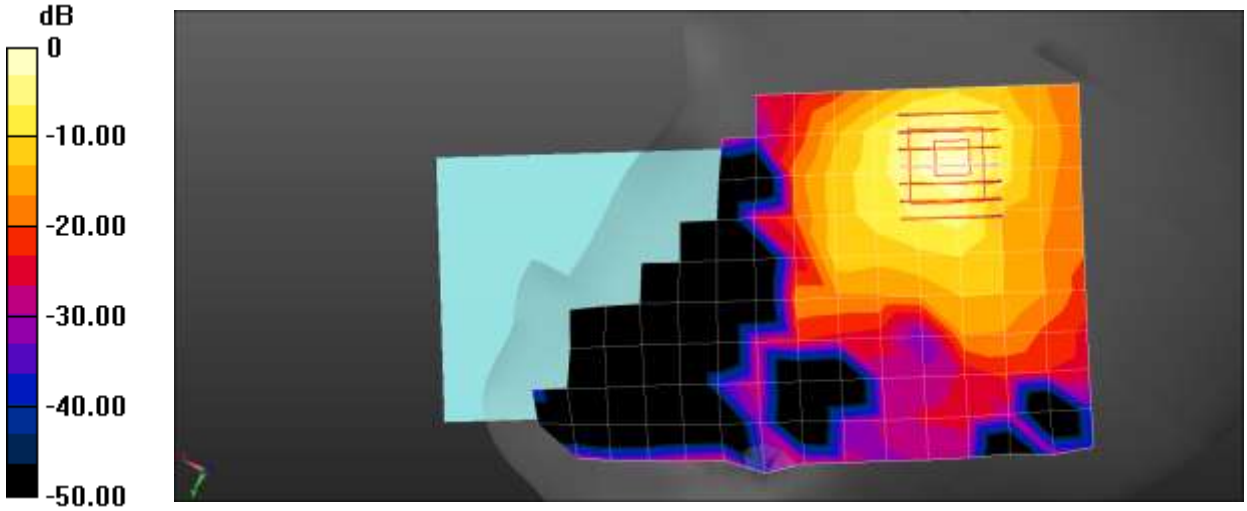
Communication System: UID 0, n77 (0); Frequency: 3750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3750 MHz; σ = 3.25 S/m; ε_r = 37.717; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3750 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n77 Head Right Touch DFT-s QPSK 100MHz 1RB 137offset 650000ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.918 W/kg

NR Band n77 Head Right Touch DFT-s QPSK 100MHz 1RB 137offset 650000ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 4.890 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.194 W/kg
aximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.2 ℃
Ambient Temperature:	19.3 ℃
Test Date:	06/30/2023
Plot No.:	A28

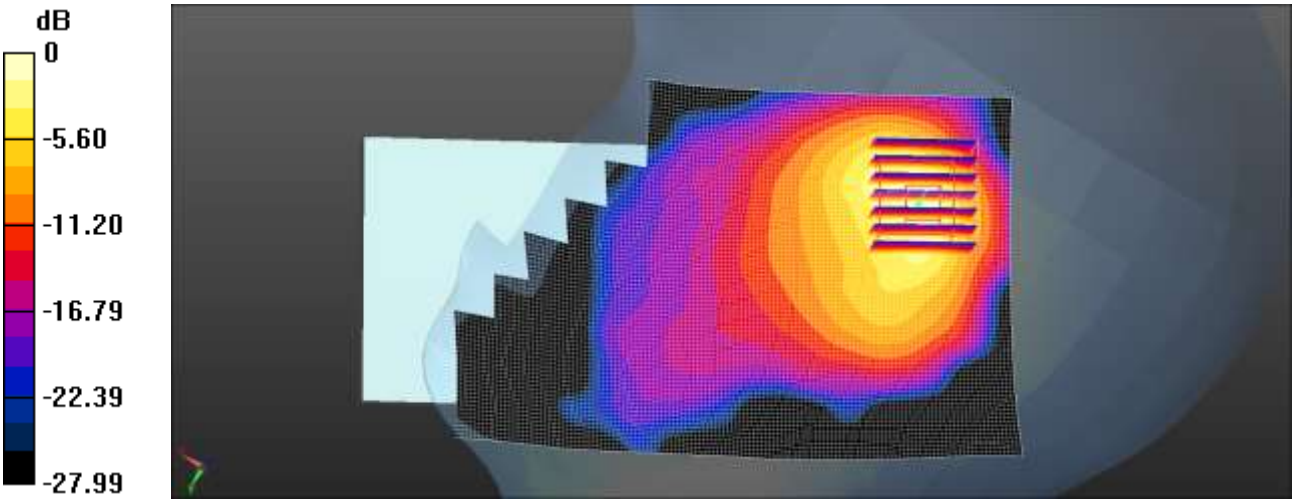
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.827 S/m; ε_r = 39.116; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2437 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

802.11b Head Right Tilt 1Mbps 6ch/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.348 W/kg

802.11b Head Right Tilt 1Mbps 6ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.502 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.451 W/kg
SAR(1 g) = 0.180 W/kg; SAR(10 g) = 0.081 W/kg
Maximum value of SAR (measured) = 0.342 W/kg



0 dB = 0.342 W/kg = -4.66 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.2 ℃
Test Date:	07/03/2023
Plot No.:	A29

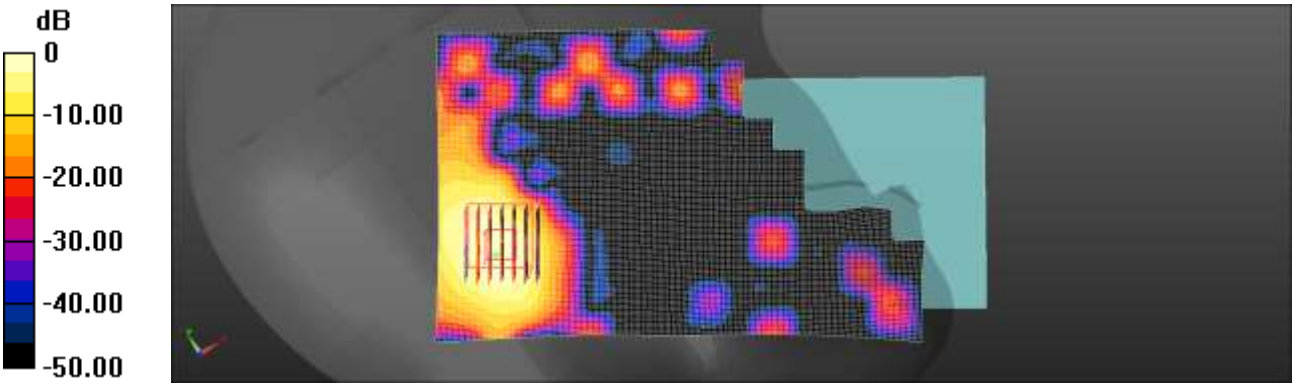
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5610 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5610 MHz; σ = 4.971 S/m; ε_r = 35.069; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(4.84, 4.84, 4.84) @ 5610 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

802.11ac80 Head Left Tilt MCS0 122ch/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.00 W/kg

802.11ac80 Head Left Tilt MCS0 122ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 5.565 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 0.948 W/kg



0 dB = 1.00 W/kg = 0.02 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.7 ℃
Ambient Temperature:	20.9 ℃
Test Date:	06/09/2023
Plot No.:	A30

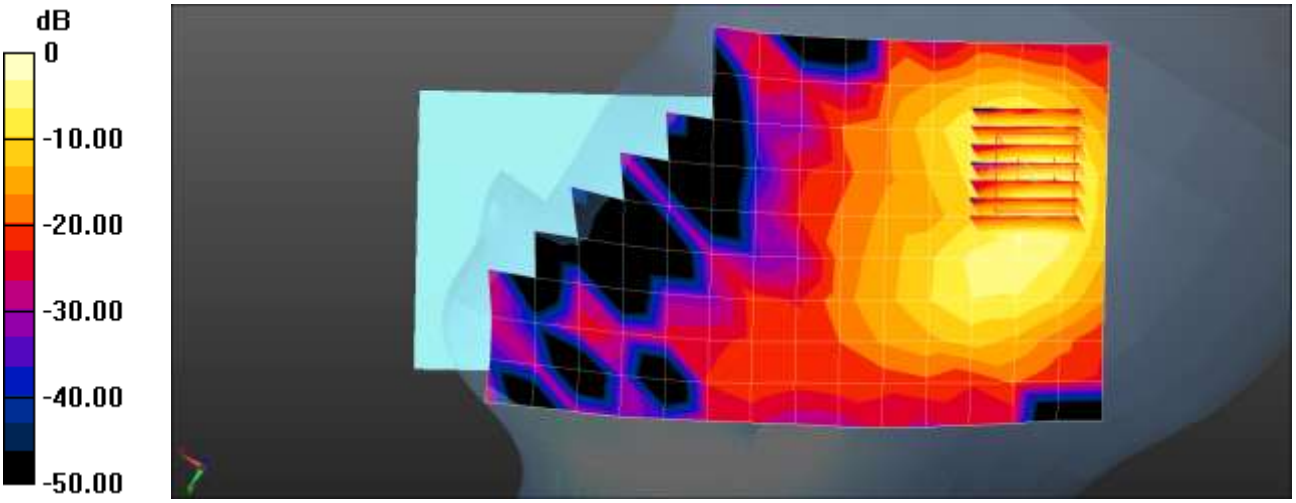
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.833 S/m; ε_r = 39.18; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2441 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Bluetooth Head Right Tilt DH5 39ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.136 W/kg

Bluetooth Head Right Tilt DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.392 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.040 W/kg
Maximum value of SAR (measured) = 0.177 W/kg



0 dB = 0.177 W/kg = -7.52 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.7 ℃
Test Date:	06/07/2023
Plot No.:	B1

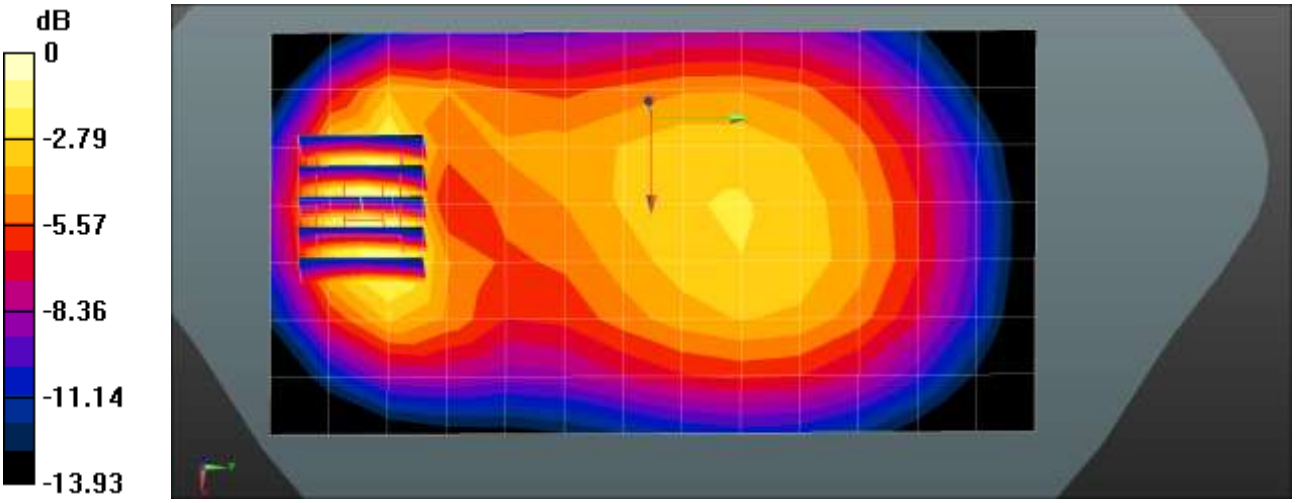
Communication System: UID 0, GSM850 GPRS 3TX (0); Frequency: 848.8 MHz;Duty Cycle: 1:2.77013
Medium parameters used (interpolated): f = 848.8 MHz; σ = 0.951 S/m; ε_r = 41.751; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 848.8 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

GSM 850 BodyWorn Rear 3Tx 251ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.670 W/kg

GSM 850 BodyWorn Rear 3Tx 251ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.86 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.955 W/kg
SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.330 W/kg
Maximum value of SAR (measured) = 0.815 W/kg



0 dB = 0.815 W/kg = -0.89 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.1 ℃
Test Date:	07/04/2023
Plot No.:	B2

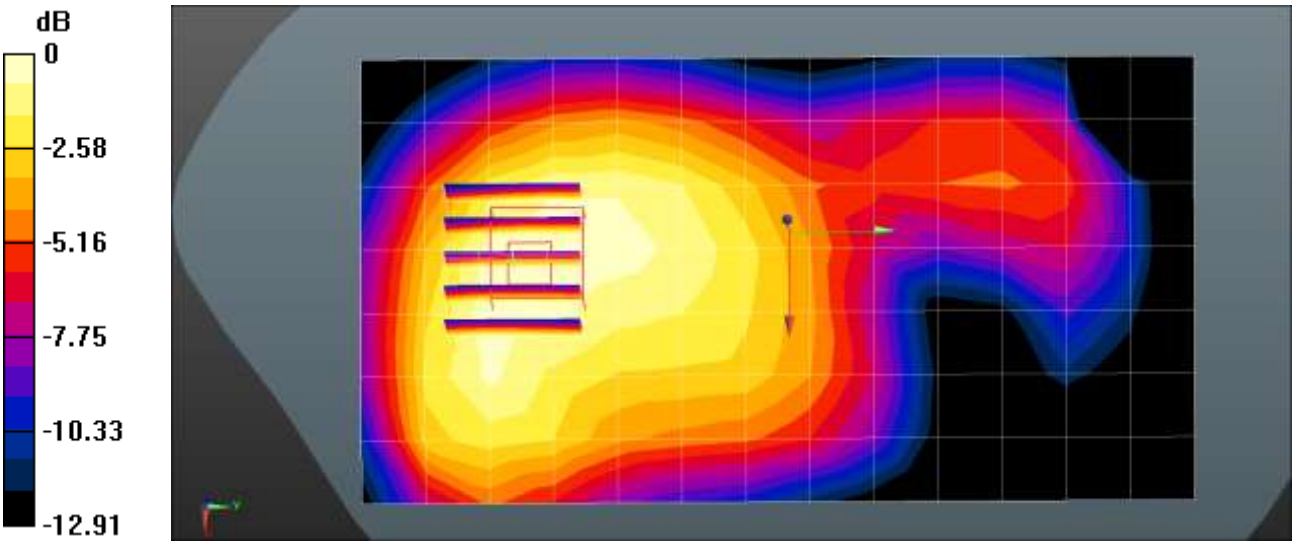
Communication System: UID 0, GSM 1900 4TX (0); Frequency: 1880 MHz;Duty Cycle: 1:2.07491
Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 41.38; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1880 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

GSM1900 BodyWorn Rear 661ch 4Tx/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.268 W/kg

GSM1900 BodyWorn Rear 661ch 4Tx/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.323 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.297 W/kg
SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.145 W/kg
Maximum value of SAR (measured) = 0.268 W/kg



0 dB = 0.268 W/kg = -5.72 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.9 ℃
Ambient Temperature:	20.9 ℃
Test Date:	06/09/2023
Plot No.:	B3

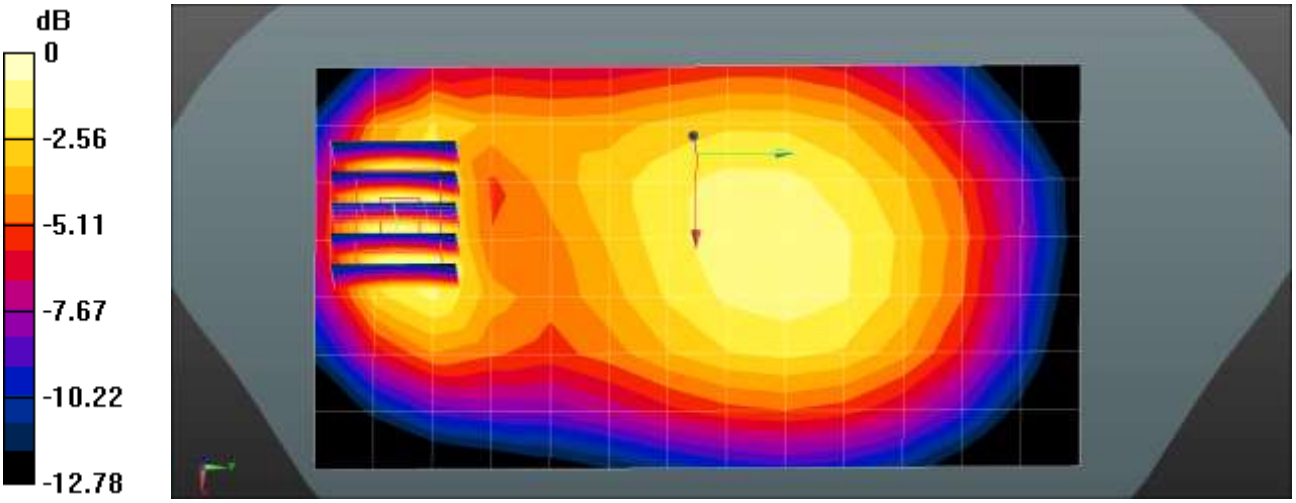
Communication System: UID 0, WCDMA850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.93 S/m; ε_r = 41.827; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.6 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

UMTS Band 5 Bodyworn Rear 4183ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.363 W/kg

UMTS Band 5 Bodyworn Rear 4183ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.31 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.539 W/kg
SAR(1 g) = 0.330 W/kg; SAR(10 g) = 0.199 W/kg
Maximum value of SAR (measured) = 0.462 W/kg



0 dB = 0.462 W/kg = -3.35 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	B4

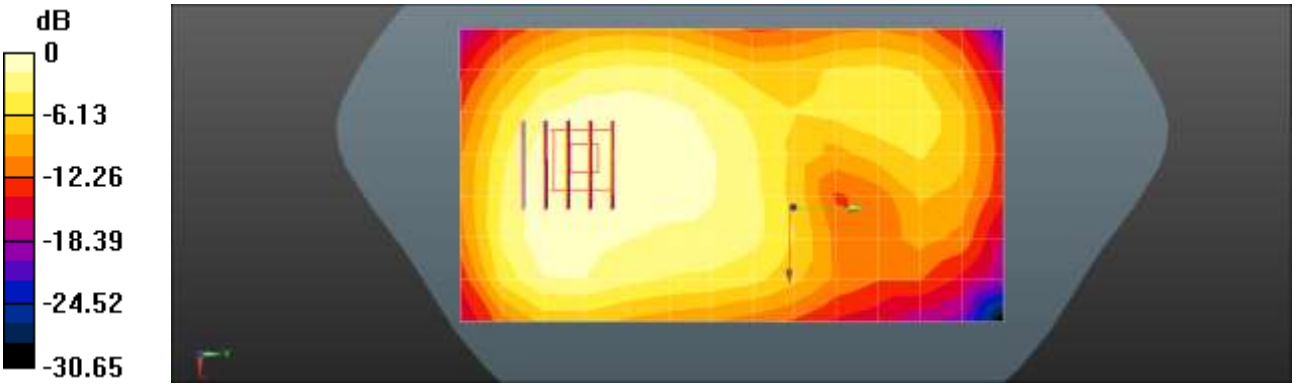
Communication System: UID 0, WCDMA 1700 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.345 S/m; ε_r = 41.421; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1732.4 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

UMTS Band 4 BodyWorn Rear 1412ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.439 W/kg

UMTS Band 4 BodyWorn Rear 1412ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.85 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.487 W/kg
SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.235 W/kg
Maximum value of SAR (measured) = 0.435 W/kg



0 dB = 0.439 W/kg = -3.58 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	B5

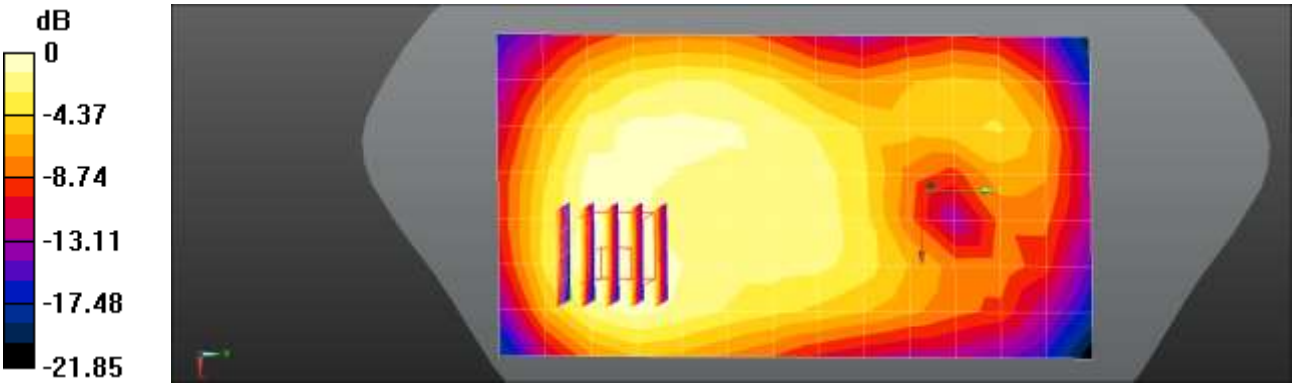
Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.402 S/m; ε_r = 41.382; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1880 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

UMTS Band 2 BodyWorn Rear 9400ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.491 W/kg

UMTS Band 2 BodyWorn Rear 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.82 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.234 W/kg
Maximum value of SAR (measured) = 0.504 W/kg



0 dB = 0.491 W/kg = -3.09 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.1 ℃
Ambient Temperature:	21.2 ℃
Test Date:	09/15/2023
Plot No.:	B6

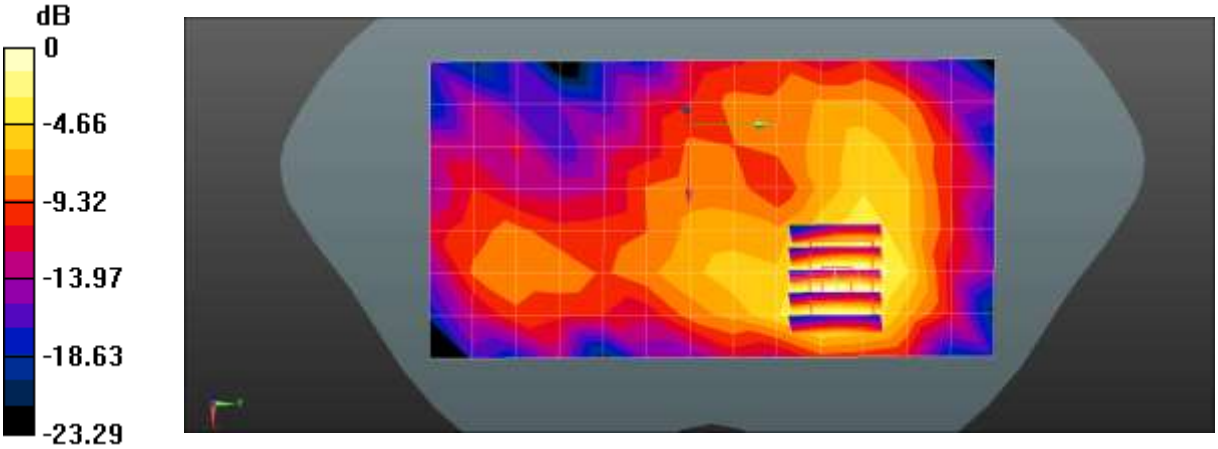
Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.397 S/m; ε_r = 41.366; ρ = 1000 kg/m^3
Phantom section: Flat Section
DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(8.19, 7.47, 8.43) @ 1880 MHz; Calibrated: 2023-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1464; Calibrated: 2023-06-16
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 2 Body Rear QPSK 20MHz 1RB 0offset 18900ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0892 W/kg

LTE Band 2 Body Rear QPSK 20MHz 1RB 0offset 18900ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.338 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.111 W/kg



0 dB = 0.111 W/kg = -9.55 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.0 ℃
Ambient Temperature:	20.1 ℃
Test Date:	05/30/2023
Plot No.:	B7

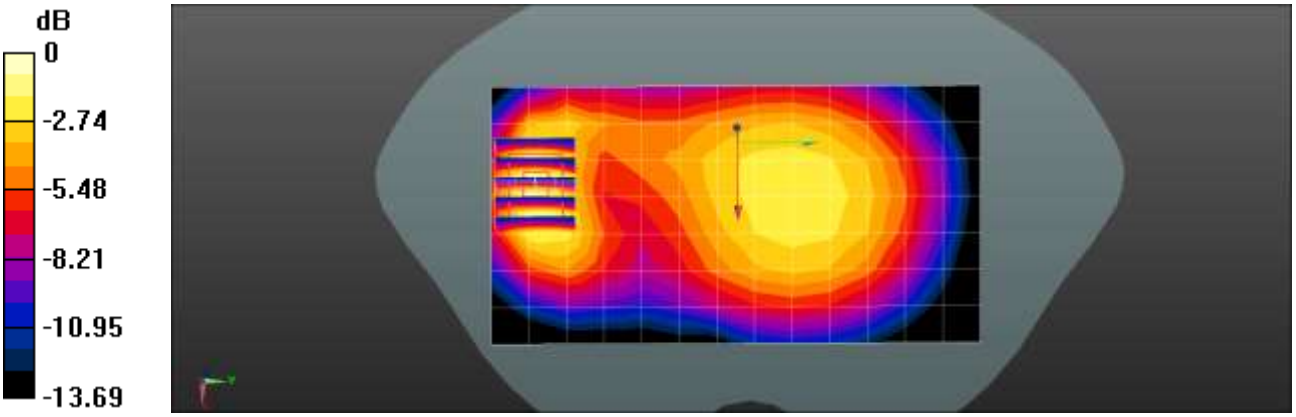
Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.922 S/m; ε_r = 41.735; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 5 BodyWorn Rear QPSK 10MHz 1RB 49offset 20525ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.559 W/kg

LTE Band 5 BodyWorn Rear QPSK 10MHz 1RB 49offset 20525ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.06 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.717 W/kg
SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.254 W/kg
Maximum value of SAR (measured) = 0.610 W/kg



0 dB = 0.610 W/kg = -2.15 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/03/2023
Plot No.:	B8

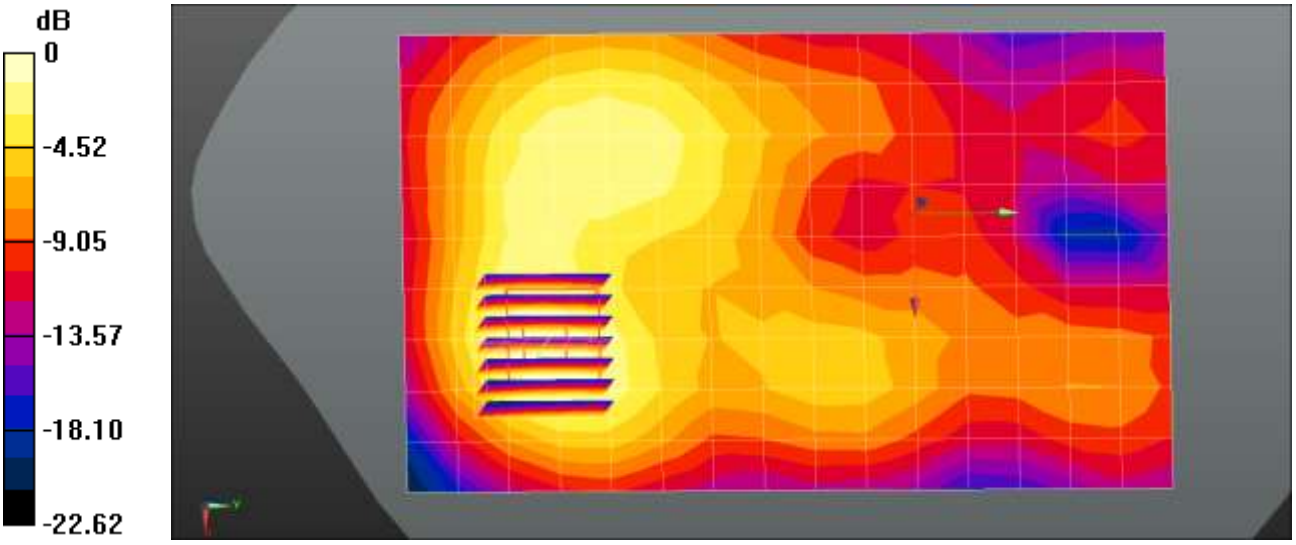
Communication System: UID 0, LTE Band 7 (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2535 MHz; σ = 1.937 S/m; ε_r = 39.359; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2535 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 7 BodyWorn Rear QPSK 20MHz 1RB 0offset 21100ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.692 W/kg

LTE Band 7 BodyWorn Rear QPSK 20MHz 1RB 0offset 21100ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.953 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.906 W/kg
SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.249 W/kg
Maximum value of SAR (measured) = 0.738 W/kg



0 dB = 0.738 W/kg = -1.32 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.1 ℃
Test Date:	05/31/2023
Plot No.:	B9

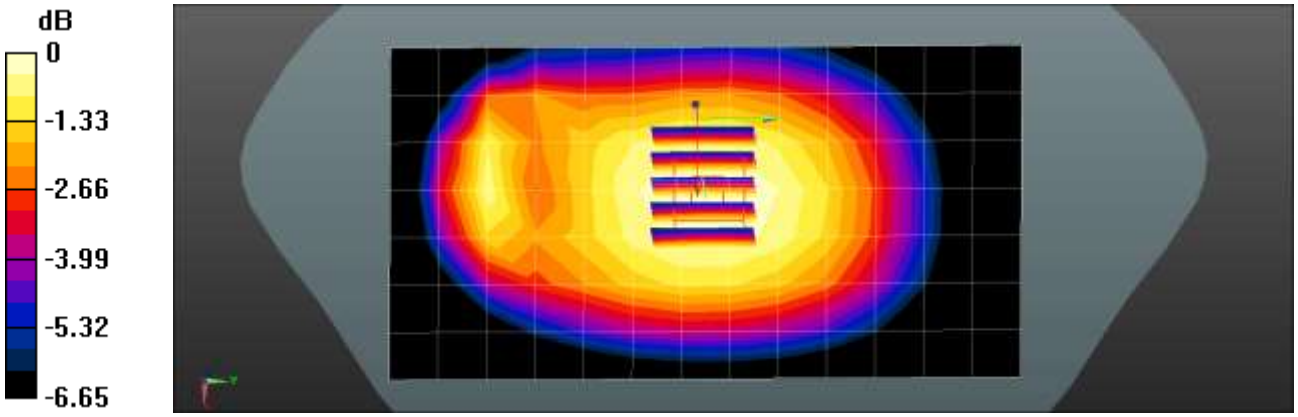
Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.863 S/m; ε_r = 42.533; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 707.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 12 BodyWorn Rear QPSK 10MHz 1RB 0offset 23095ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.287 W/kg

LTE Band 12 BodyWorn Rear QPSK 10MHz 1RB 0offset 23095ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.30 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.307 W/kg
SAR(1 g) = 0.254 W/kg; SAR(10 g) = 0.203 W/kg
Maximum value of SAR (measured) = 0.292 W/kg



0 dB = 0.292 W/kg = -5.35 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.3 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/01/2023
Plot No.:	B10

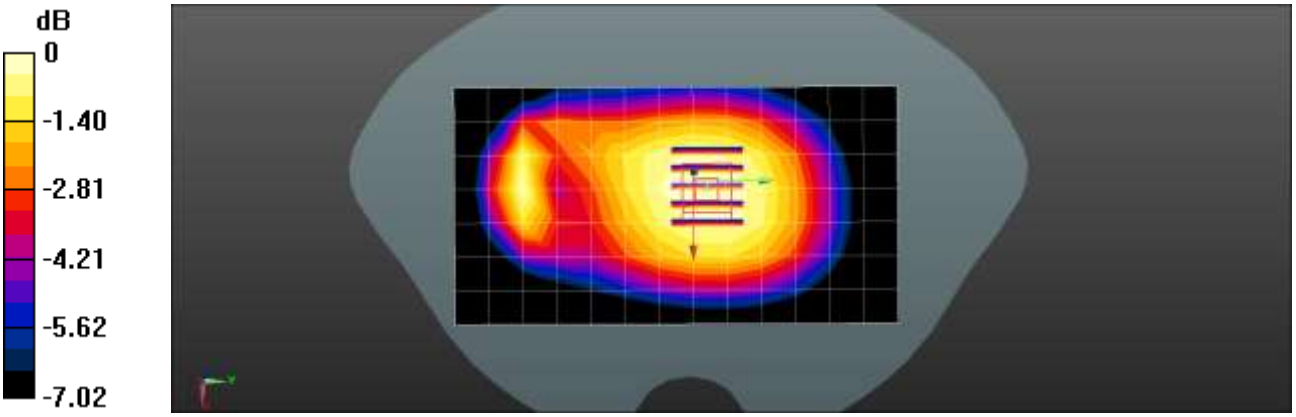
Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.936 S/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 782 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

TE Band 13 BodyWorn Rear QPSK 10MHz 1RB 0offset 23230ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.385 W/kg

LTE Band 13 BodyWorn Rear QPSK 10MHz 1RB 0offset 23230ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.13 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.410 W/kg
SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.263 W/kg
Maximum value of SAR (measured) = 0.388 W/kg



0 dB = 0.388 W/kg = -4.11 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.9 ℃
Ambient Temperature:	20.0 ℃
Test Date:	06/02/2023
Plot No.:	B11

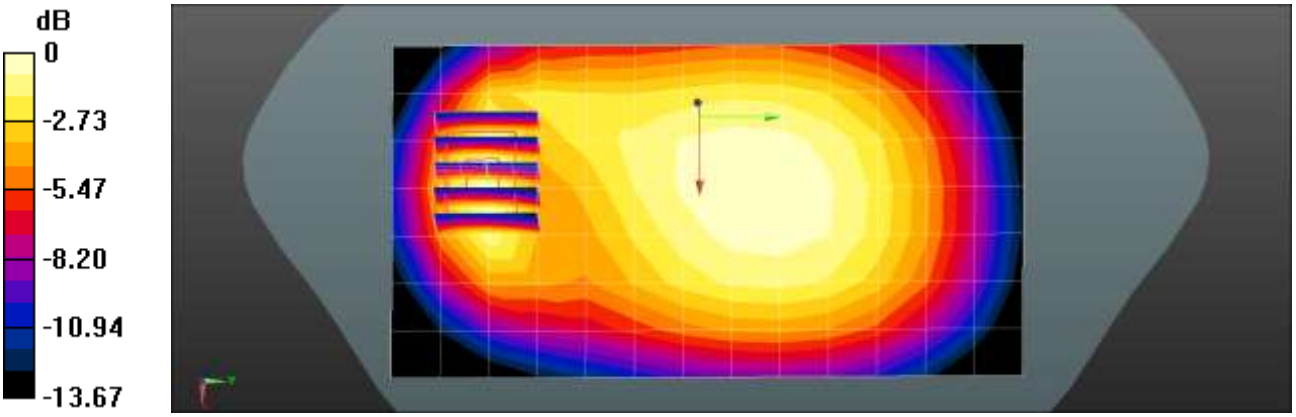
Communication System: UID 0, LTE 14 (0); Frequency: 793 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 793 MHz; σ = 0.947 S/m; ε_r = 41.499; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 793 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 14 BodyWorn Rear QPSK 10MHz 1RB 0offset 23330ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.341 W/kg

LTE Band 14 BodyWorn Rear QPSK 10MHz 1RB 0offset 23330ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.35 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.402 W/kg
SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.145 W/kg
Maximum value of SAR (measured) = 0.347 W/kg



0 dB = 0.347 W/kg = -4.60 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/03/2023
Plot No.:	B12

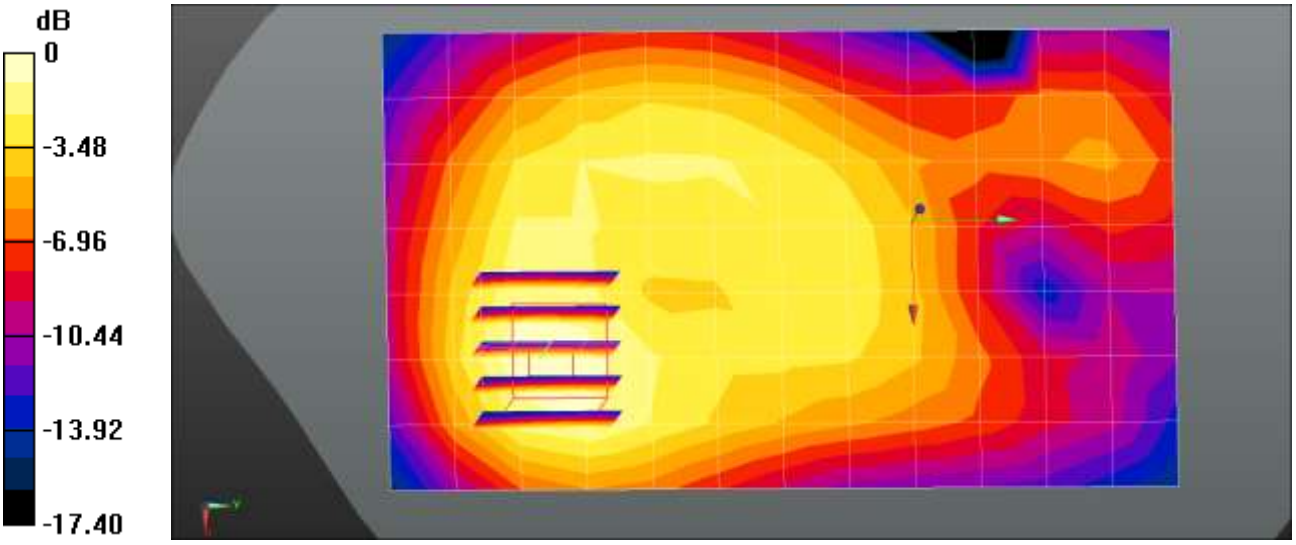
Communication System: UID 0, LTE Band 25 (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.41 S/m; ε_r = 41.449; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1882.5 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 25 Bodyworn Rear QPSK 20MHz 1RB 49offset 26365ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.492 W/kg

LTE Band 25 Bodyworn Rear QPSK 20MHz 1RB 49offset 26365ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.57 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.607 W/kg
SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.216 W/kg
Maximum value of SAR (measured) = 0.509 W/kg



0 dB = 0.509 W/kg = -2.93 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.1 ℃
Ambient Temperature:	19.3 ℃
Test Date:	06/03/2023
Plot No.:	B13

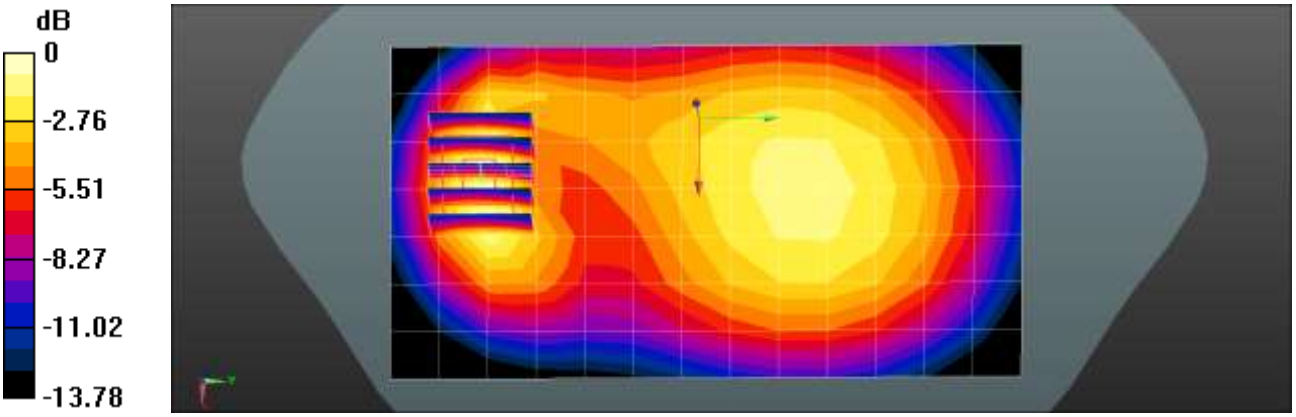
Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.919 S/m; ε_r = 41.838; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 831.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 26 BodyWorn Rear QPSK 15MHz 1RB 0offset 26865ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.561 W/kg

LTE Band 26 BodyWorn Rear QPSK 15MHz 1RB 0offset 26865ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.87 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.665 W/kg
SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.233 W/kg
Maximum value of SAR (measured) = 0.568 W/kg



0 dB = 0.568 W/kg = -2.46 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	B14

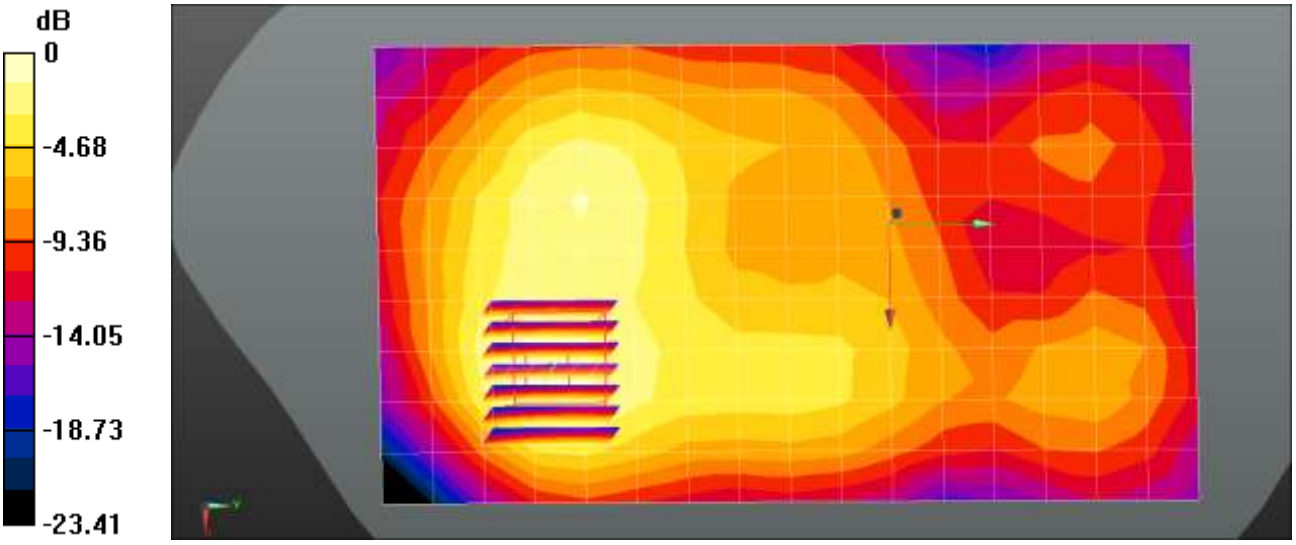
Communication System: UID 0, LTE Band 30 (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.718 S/m; ε_r = 39.909; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.58, 8.04, 7.88) @ 2310 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 30 BodyWorn Rear QPSK 10MHz 1RB 0offset 27710ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.353 W/kg

LTE Band 30 BodyWorn Rear QPSK 10MHz 1RB 0offset 27710ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.607 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.465 W/kg
SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.135 W/kg
Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.385 W/kg = -4.15 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/05/2023
Plot No.:	B15

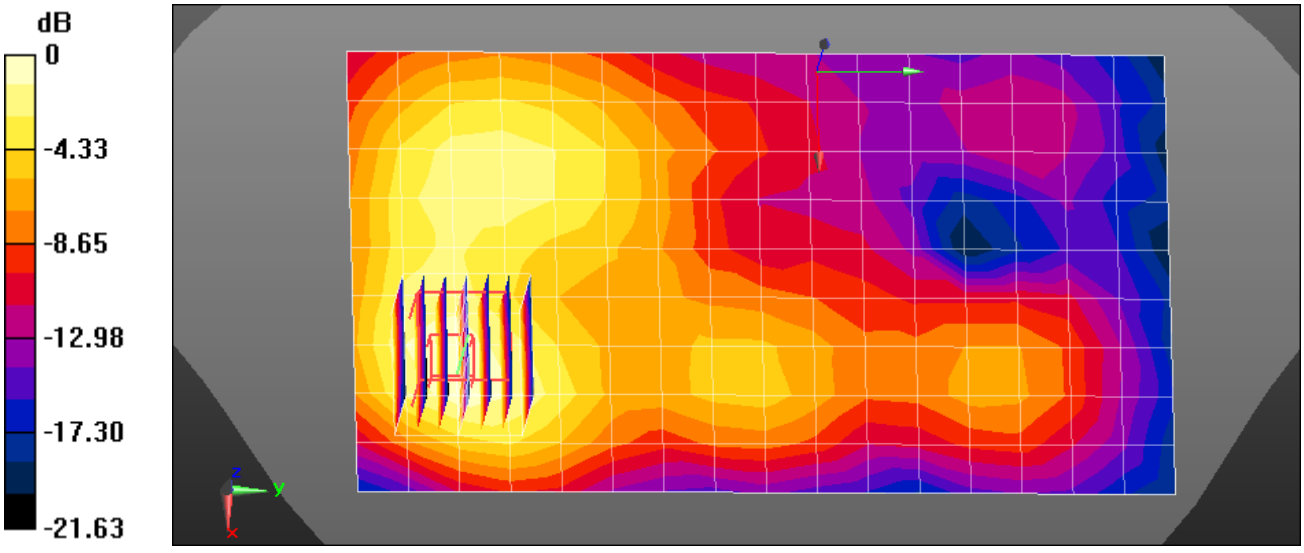
Communication System: UID 0, LTE Band 41 (FCC) (0); Frequency: 2593 MHz;Duty Cycle: 1:2.30728
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.015 S/m; ε_r = 39.328; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2593 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

LTE Band 41 BodyWorn Rear QPSK 20MHz 1RB 0offset 40620ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.430 W/kg

LTE Band 41 BodyWorn Rear QPSK 20MHz 1RB 0offset 40620ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.797 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.584 W/kg
SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.155 W/kg
Maximum value of SAR (measured) = 0.468 W/kg



0 dB = 0.468 W/kg = -3.30 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.0 ℃
Ambient Temperature:	22.1 ℃
Test Date:	09/04/2023
Plot No.:	B16

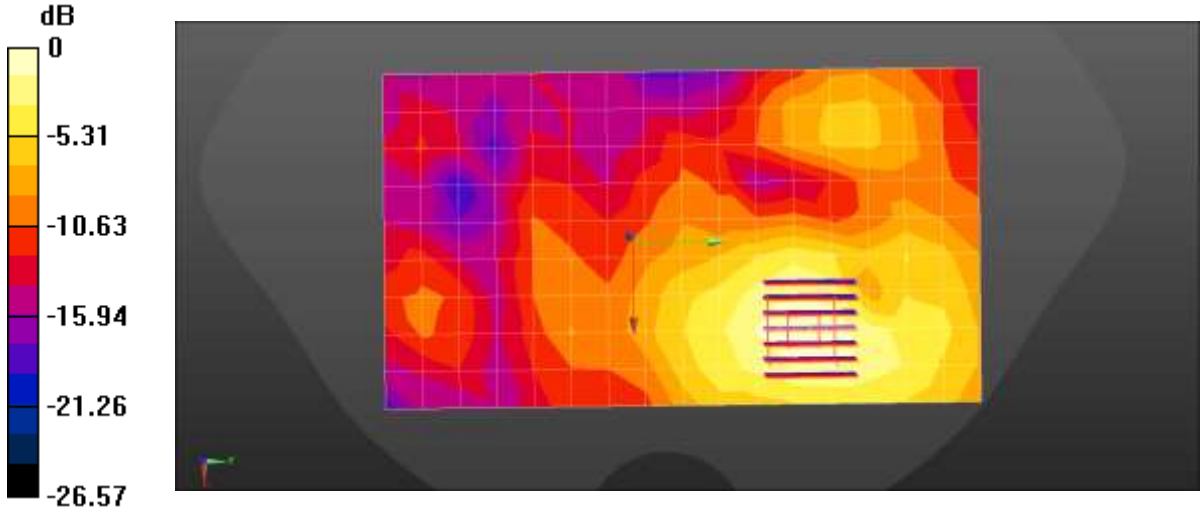
Communication System: UID 0, LTE 48(FCC) (0); Frequency: 3603.3 MHz;Duty Cycle: 1:1.58016
Medium parameters used (interpolated): f = 3603.3 MHz; σ = 3.05 S/m; ε_r = 37.723; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3603.3 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 48 BodyWorn Rear QPSK 20MHz 1RB 99offset 55773ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.217 W/kg

LTE Band 48 BodyWorn Rear QPSK 20MHz 1RB 99offset 55773ch/Zoom Scan (7x7x8)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 2.879 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.294 W/kg
SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.059 W/kg
Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg = -6.60 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.7 ℃
Ambient Temperature:	20.8 ℃
Test Date:	07/06/2023
Plot No.:	B17

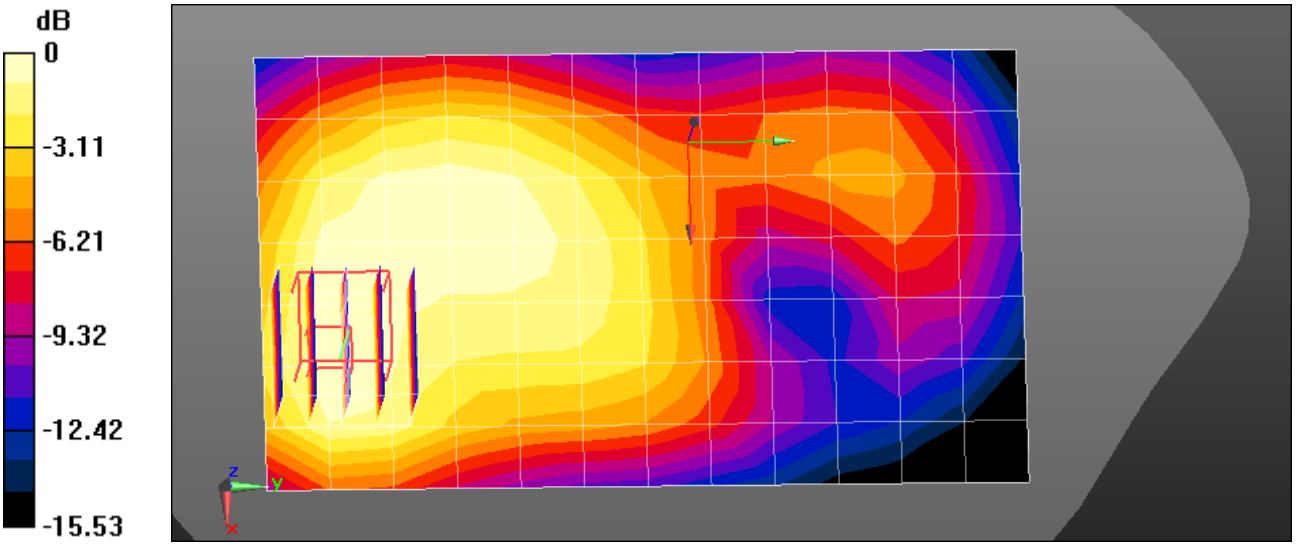
Communication System: UID 0, LTE Band 66 (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.377 S/m; ε_r = 41.129; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1770 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

LTE Band 66 BodyWorn Rear QPSK 20MHz 1RB 49offset 132572ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.452 W/kg

LTE Band 66 BodyWorn Rear QPSK 20MHz 1RB 49offset 132572ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.05 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.521 W/kg
SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.205 W/kg
Maximum value of SAR (measured) = 0.445 W/kg



0 dB = 0.445 W/kg = -3.52 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.6 ℃
Test Date:	06/12/2023
Plot No.:	B18

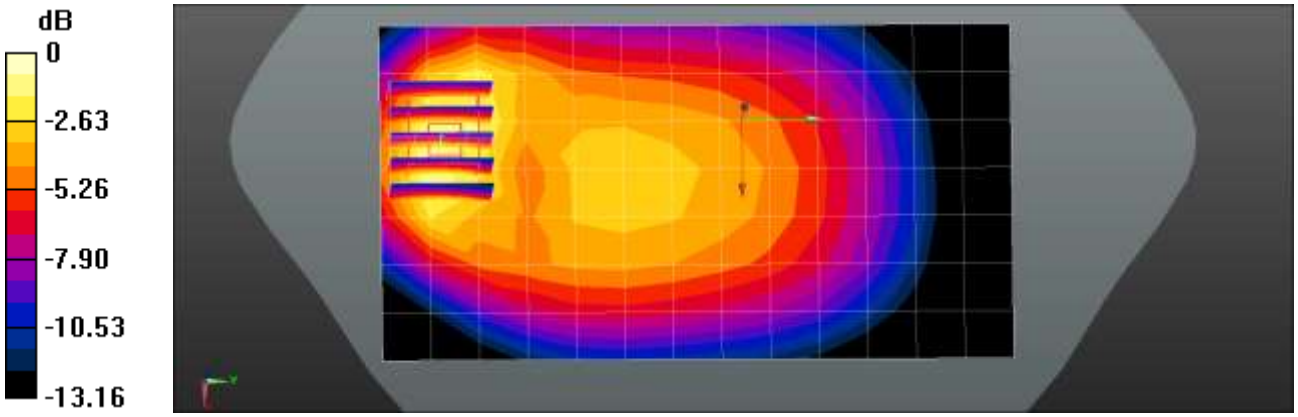
Communication System: UID 0, LTE Band 71 (0); Frequency: 680.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.872 S/m; ε_r = 43.03; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 680.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 71 BodyWorn Rear QPSK 20MHz 1RB 0offset 133297ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.248 W/kg

LTE Band 71 BodyWorn Rear QPSK 20MHz 1RB 0offset 133297ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.55 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.334 W/kg
SAR(1 g) = 0.207 W/kg; SAR(10 g) = 0.129 W/kg
Maximum value of SAR (measured) = 0.281 W/kg



0 dB = 0.281 W/kg = -5.51 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/13/2023
Plot No.:	B19

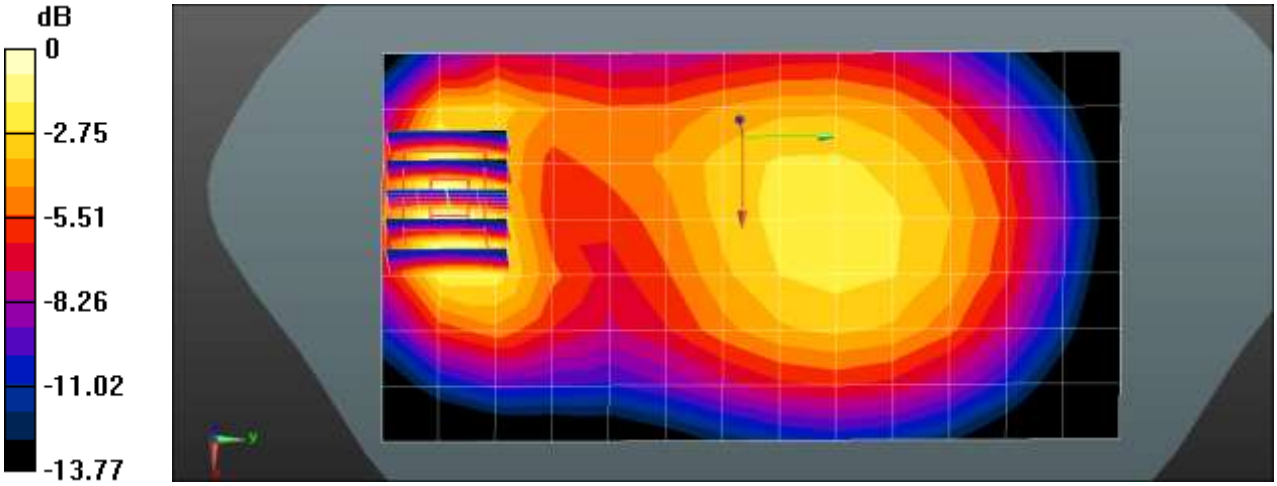
Communication System: UID 0, NR n5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.921 S/m; ε_r = 41.668; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

NR Band n5 BodyWorn Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.578 W/kg

NR Band n5 BodyWorn Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.48 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.744 W/kg
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.259 W/kg
Maximum value of SAR (measured) = 0.633 W/kg



0 dB = 0.633 W/kg = -1.99 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.0 ℃
Test Date:	06/09/2023
Plot No.:	B20

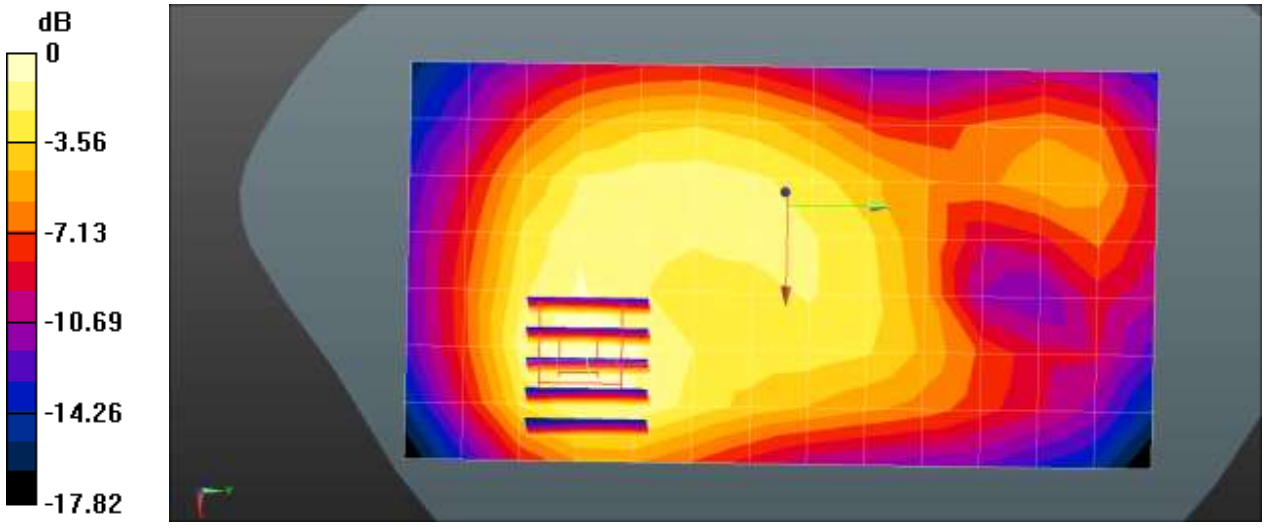
Communication System: UID 0, NR Band 2,25 (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.412 S/m; ε_r = 41.469; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1882.5 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n25 BodyWorn Rear DFT-s QPSK 40MHz 1RB 108offset 376500ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.427 W/kg

NR Band n25 BodyWorn Rear DFT-s QPSK 40MHz 1RB 108offset 376500ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.47 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.514 W/kg
SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.185 W/kg
Maximum value of SAR (measured) = 0.432 W/kg



0 dB = 0.432 W/kg = -3.65 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.4 ℃
Test Date:	06/08/2023
Plot No.:	B21

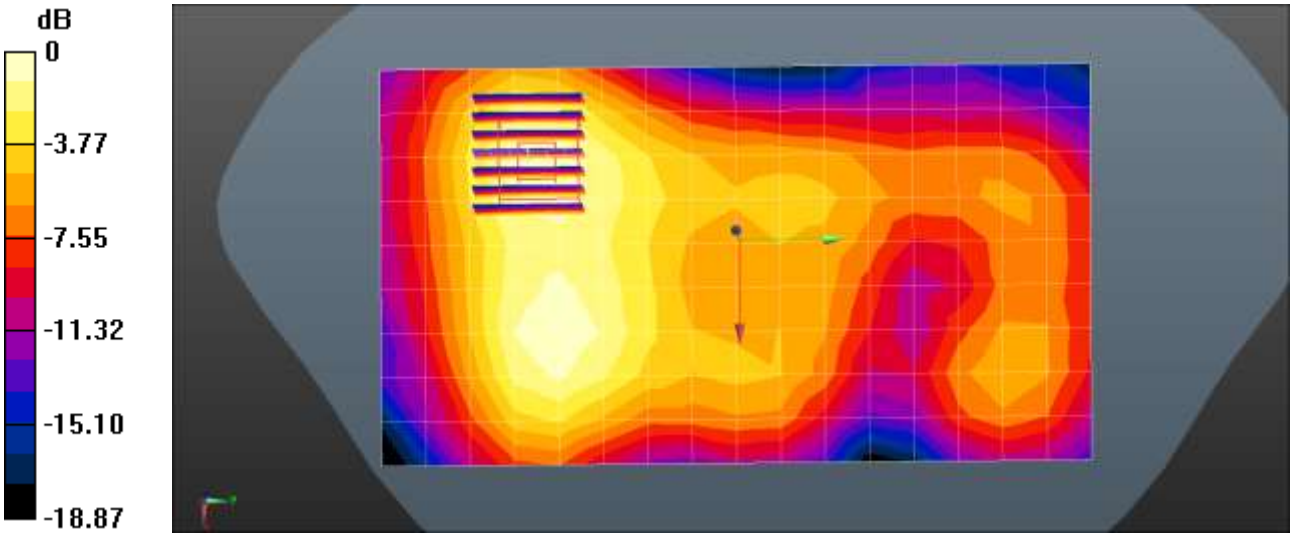
Communication System: UID 0, NR Band 30 (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.72 S/m; ε_r = 39.963; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.58, 8.04, 7.88) @ 2310 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n30 BodyWorn Front DFT-s QPSK 10MHz 25RB 14offset 462000ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.299 W/kg

NR Band n30 BodyWorn Front DFT-s QPSK 10MHz 25RB 14offset 462000ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.876 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.117 W/kg
Maximum value of SAR (measured) = 0.317 W/kg



0 dB = 0.317 W/kg = -4.99 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.1 ℃
Test Date:	07/10/2023
Plot No.:	B22

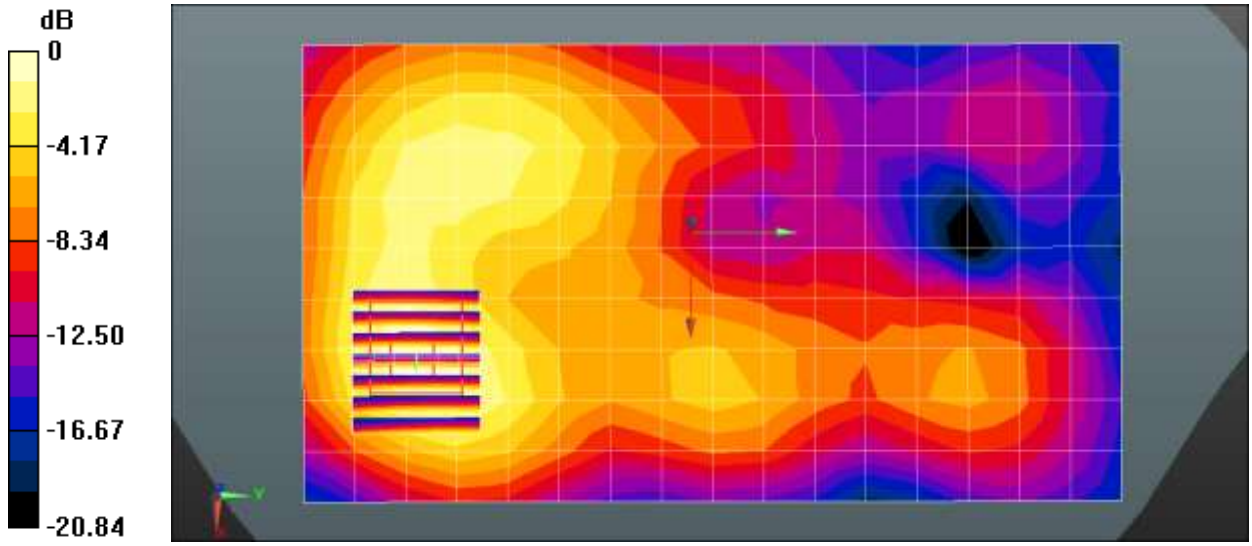
Communication System: UID 0, NR n41 (0); Frequency: 2592.99 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2592.99 MHz; σ = 2.011 S/m; ε_r = 39.315; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2592.99 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n41 BodyWorn Rear DFT-s QPSK 100MHz 135RB 69offset 518598ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.999 W/kg

NR Band n41 BodyWorn Rear DFT-s QPSK 100MHz 135RB 69offset 518598ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.790 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.664 W/kg; SAR(10 g) = 0.359 W/kg
Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.2 ℃
Ambient Temperature:	22.2 ℃
Test Date:	09/05/2023
Plot No.:	B23

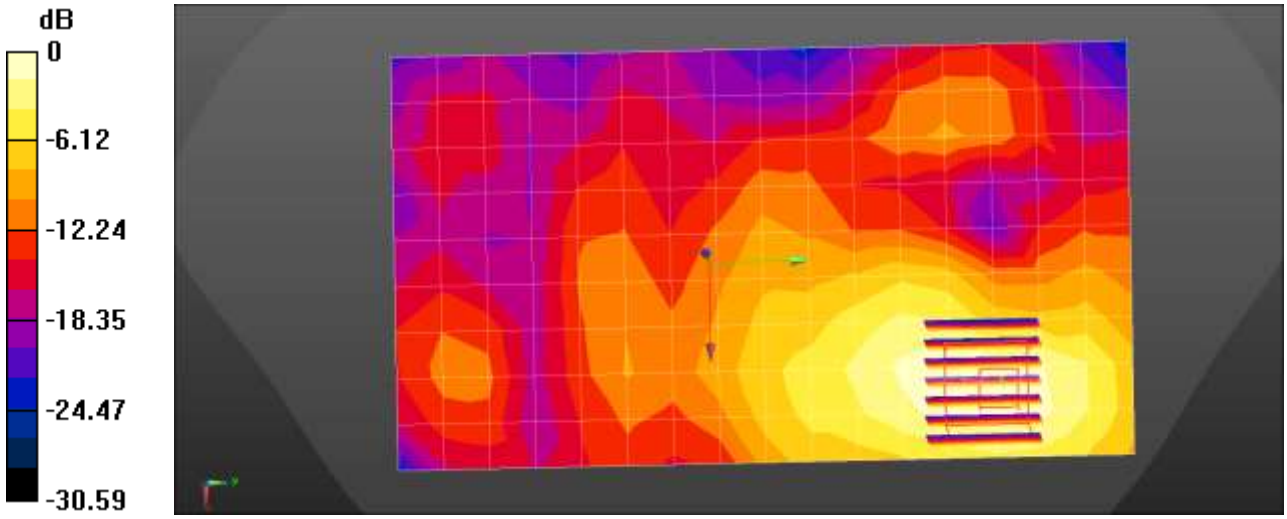
Communication System: UID 0, n48 (0); Frequency: 3679.98 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3680 MHz; σ = 3.147 S/m; ε_r = 37.489; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3679.98 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n48 BodyWorn Rear CP QPSK 40MHz 1RB 1offset 645332ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.745 W/kg

NR Band n48 BodyWorn Rear CP QPSK 40MHz 1RB 1offset 645332ch/Zoom Scan (7x7x8)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 5.604 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.227 W/kg
Maximum value of SAR (measured) = 0.860 W/kg



0 dB = 0.860 W/kg = -0.66 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.4 ℃
Test Date:	06/12/2023
Plot No.:	B24

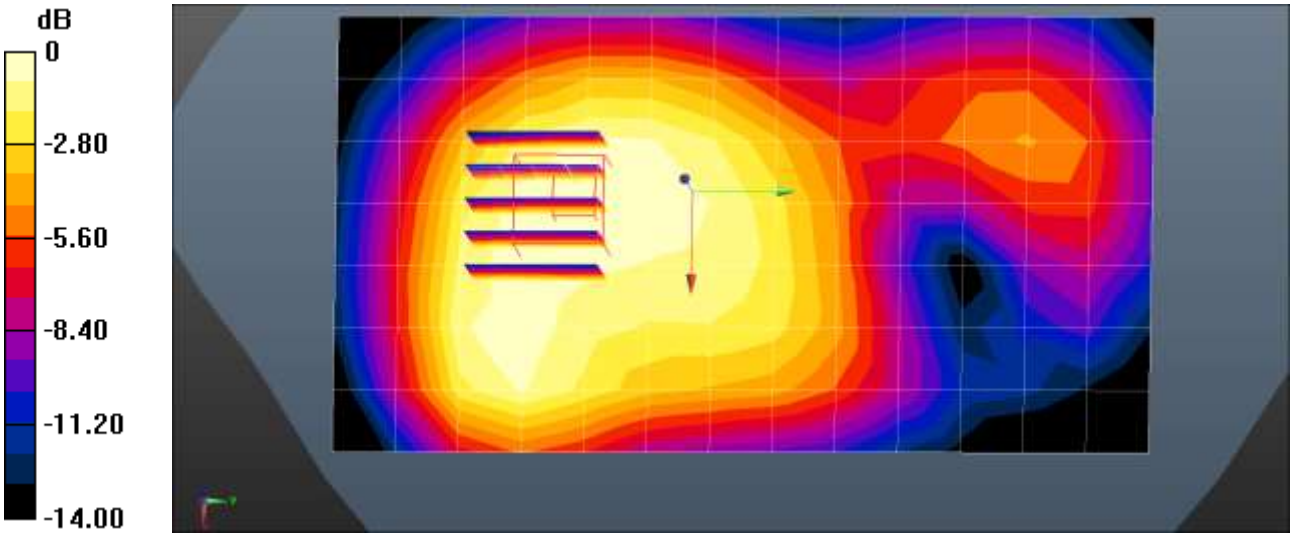
Communication System: UID 0, NR Band 66 (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.358 S/m; ε_r = 41.326; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1745 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n66 BodyWorn Rear DFT-s QPSK 40MHz 108RB 54offset 349000ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.340 W/kg

NR Band n66 BodyWorn Rear DFT-s QPSK 40MHz 108RB 54offset 349000ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.16 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.390 W/kg
SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.168 W/kg
Maximum value of SAR (measured) = 0.337 W/kg



0 dB = 0.337 W/kg = -4.72 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.7 ℃
Test Date:	06/13/2023
Plot No.:	B25

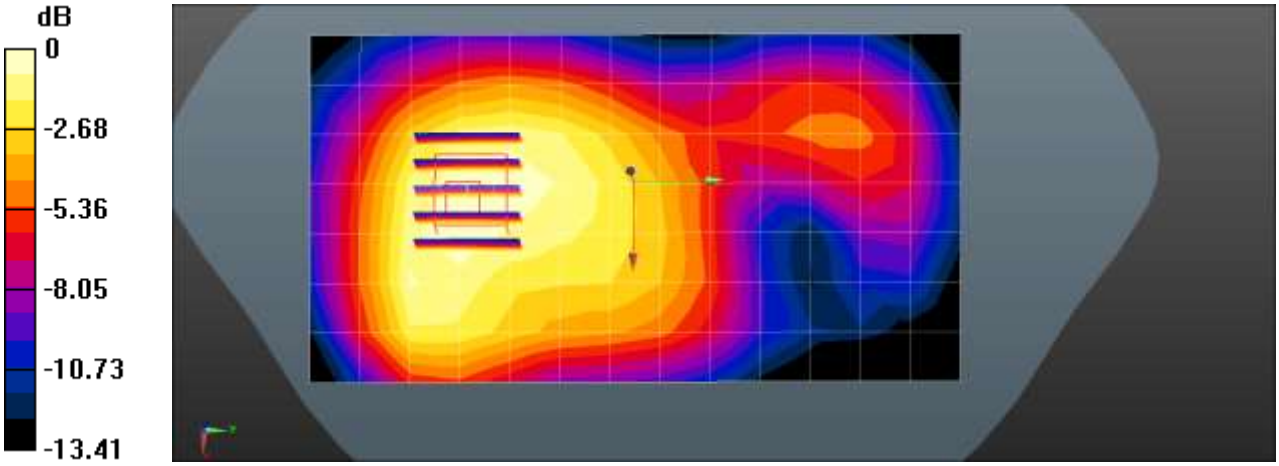
Communication System: UID 0, NR Band n70 (0); Frequency: 1702.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1702.5 MHz; σ = 1.327 S/m; ε_r = 41.477; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1702.5 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n70 BodyWorn Rear DFT-s QPSK 15MHz 36RB 22offset 340500ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.364 W/kg

NR Band n70 BodyWorn Rear DFT-s QPSK 15MHz 36RB 22offset 340500ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.41 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.429 W/kg
SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.185 W/kg
Maximum value of SAR (measured) = 0.378 W/kg



0 dB = 0.292 W/kg = -5.35 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.4 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/14/2023
Plot No.:	B26

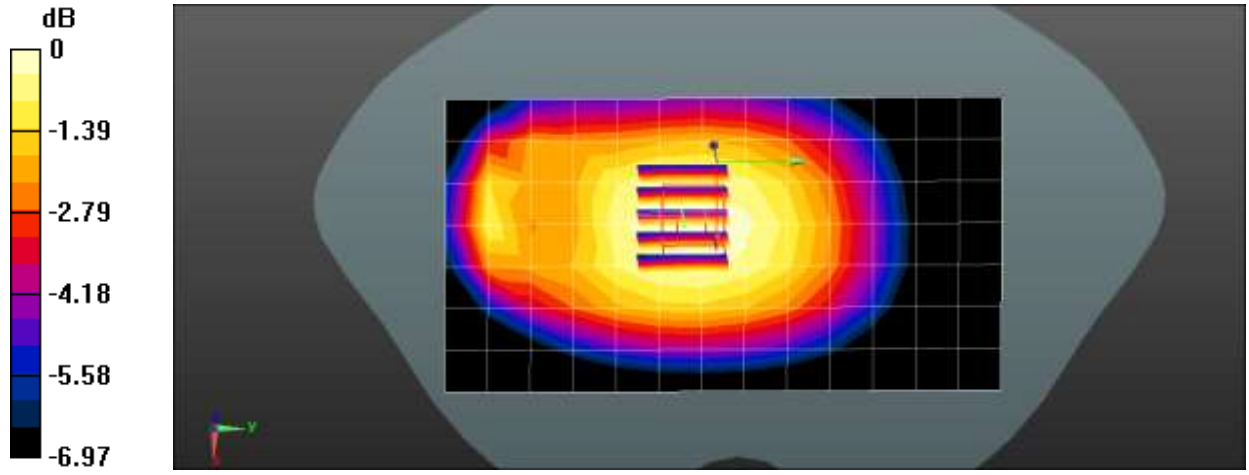
Communication System: UID 0, NR n71 (0); Frequency: 680.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.875 S/m; ε_r = 43.063; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 680.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

NR Band n71 Bodyworn Rear DFT-s QPSK 20MHz 1RB 53offset 136100ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.390 W/kg

NR Band n71 Bodyworn Rear DFT-s QPSK 20MHz 1RB 53offset 136100ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.56 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.412 W/kg
SAR(1 g) = 0.342 W/kg; SAR(10 g) = 0.273 W/kg
Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.391 W/kg = -4.08 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.0 ℃
Ambient Temperature:	20.1 ℃
Test Date:	09/14/2023
Plot No.:	B27

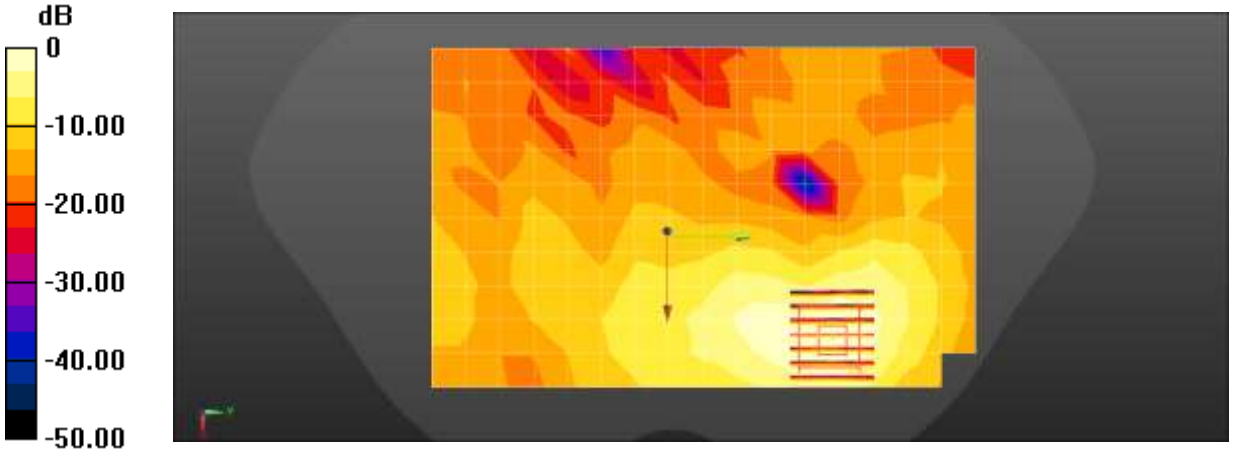
Communication System: UID 0, n77 (0); Frequency: 3930 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3930 MHz; σ = 3.271 S/m; ε_r = 37.286; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3797; ConvF(6.56, 6.25, 6.5) @ 3930 MHz; Calibrated: 2023-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn504; Calibrated: 2023-01-10
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

NR Band n77 BodyWorn Rear DFT-s QPSK 100MHz 1RB 137offset 662000ch/Area Scan (11x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.232 W/kg

NR Band n77 BodyWorn Rear DFT-s QPSK 100MHz 1RB 137offset 662000ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 2.146 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.354 W/kg
SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.059 W/kg
Maximum value of SAR (measured) = 0.254 W/kg



0 dB = 0.254 W/kg = -5.95 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.2 ℃
Ambient Temperature:	19.3 ℃
Test Date:	06/30/2023
Plot No.:	B28

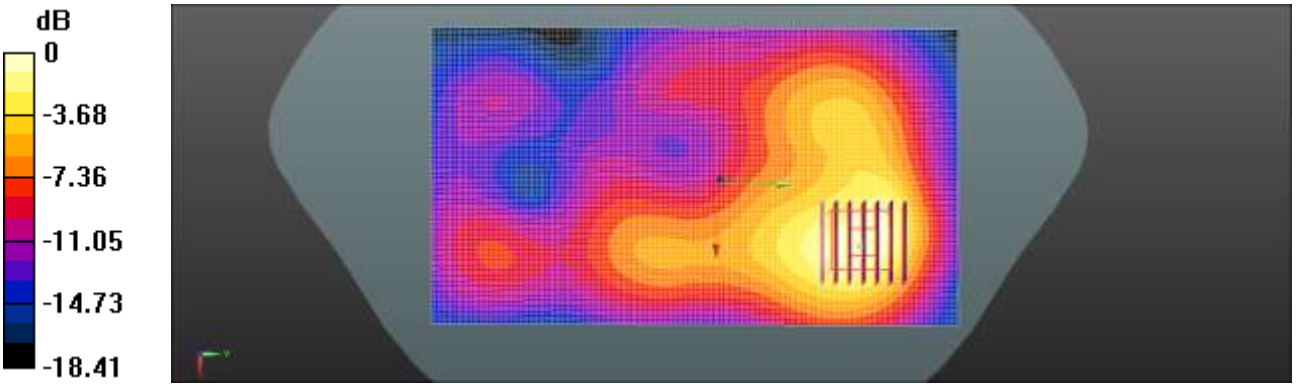
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.807 S/m; ε_r = 39.075; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2412 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

802.11b BodyWorn Rear 1Mbps 1ch/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.443 W/kg

802.11b BodyWorn Rear 1Mbps 1ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.477 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.570 W/kg
SAR(1 g) = 0.282 W/kg; SAR(10 g) = 0.145 W/kg
Maximum value of SAR (measured) = 0.451 W/kg



0 dB = 0.443 W/kg = -3.53 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.7 ℃
Ambient Temperature:	22.9 ℃
Test Date:	07/21/2023
Plot No.:	B29

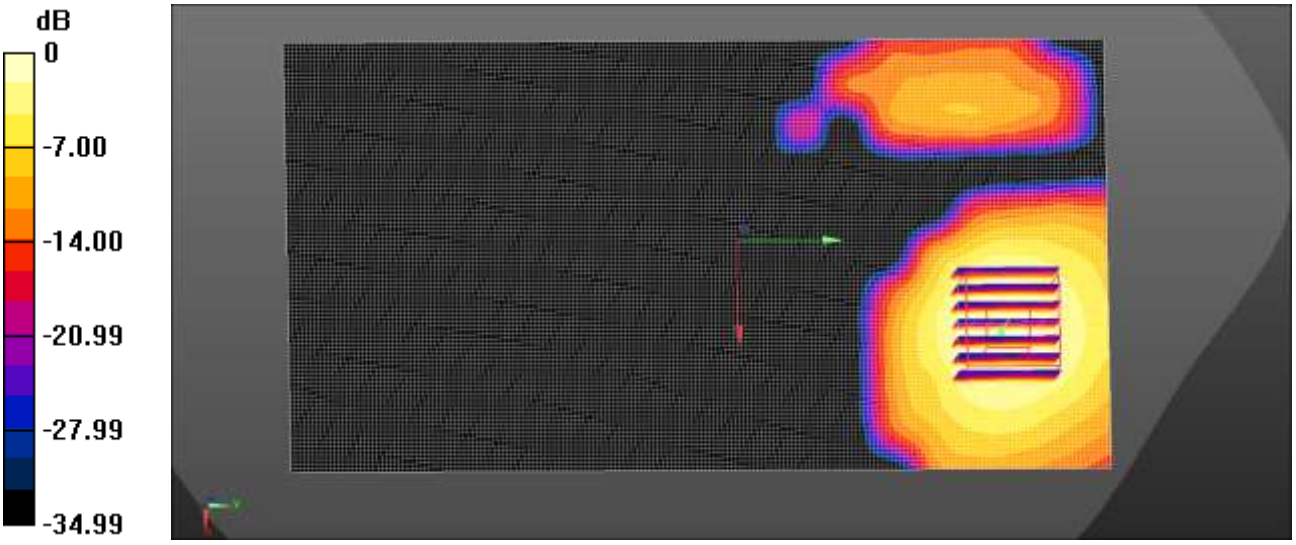
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5720 MHz; σ = 5.235 S/m; ε_r = 34.826; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(5.2, 5.2, 5.2) @ 5720 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

802.11a Bodyworn Rear 6Mbps 144ch/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.973 W/kg

802.11a Bodyworn Rear 6Mbps 144ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.162 W/kg
Maximum value of SAR (measured) = 0.971 W/kg



0 dB = 0.971 W/kg = -0.13 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.7 ℃
Ambient Temperature:	20.9 ℃
Test Date:	06/09/2023
Plot No.:	B30

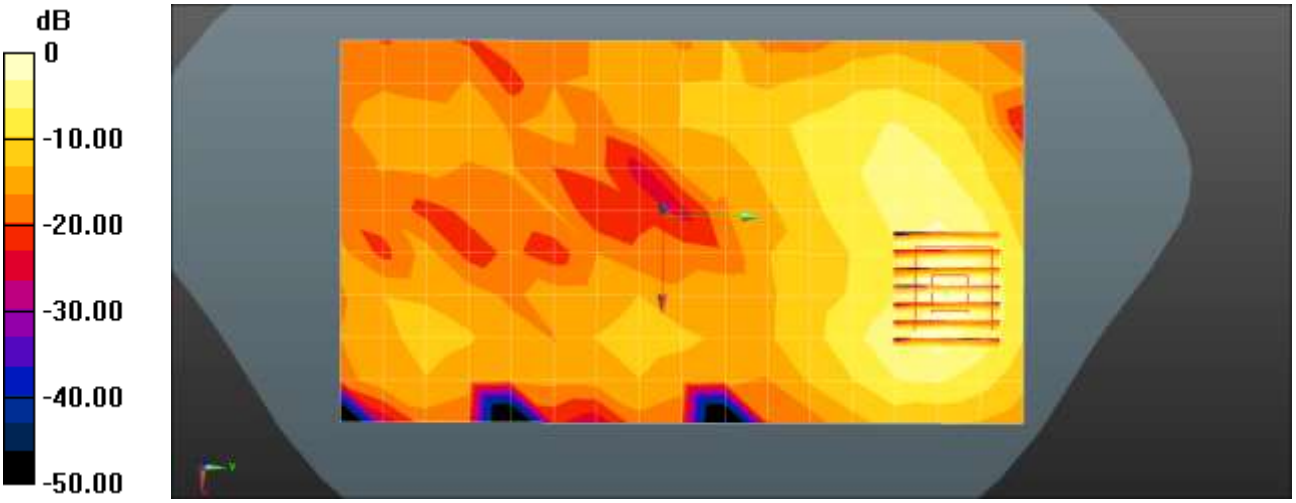
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.833 S/m; ε_r = 39.18; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2441 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Bluetooth BodyWorn Rear DH5 39ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0556 W/kg

Bluetooth BodyWorn Rear DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0730 W/kg
SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.017 W/kg
Maximum value of SAR (measured) = 0.0602 W/kg



0 dB = 0.0602 W/kg = -12.20 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.7 ℃
Test Date:	06/07/2023
Plot No.:	C1

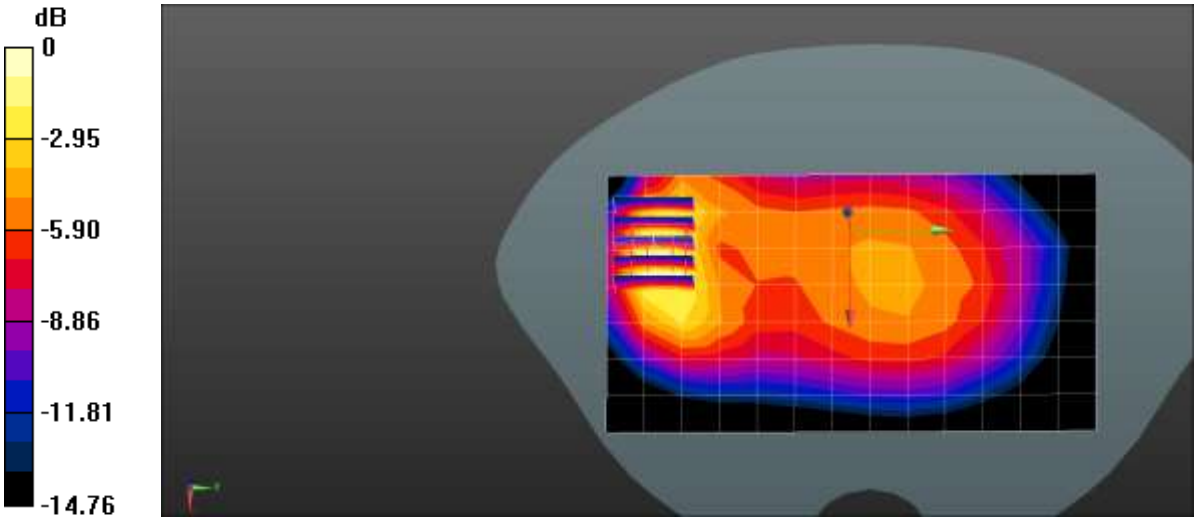
Communication System: UID 0, GSM850 GPRS 3TX (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.77013
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.936 S/m; ε_r = 41.959; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.6 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

GSM 850 Body Rear 3Tx 190ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.214 W/kg

GSM 850 Body Rear 3Tx 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.59 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.345 W/kg
SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.109 W/kg
Maximum value of SAR (measured) = 0.284 W/kg



0 dB = 0.284 W/kg = -5.47 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.1 ℃
Test Date:	07/04/2023
Plot No.:	C2

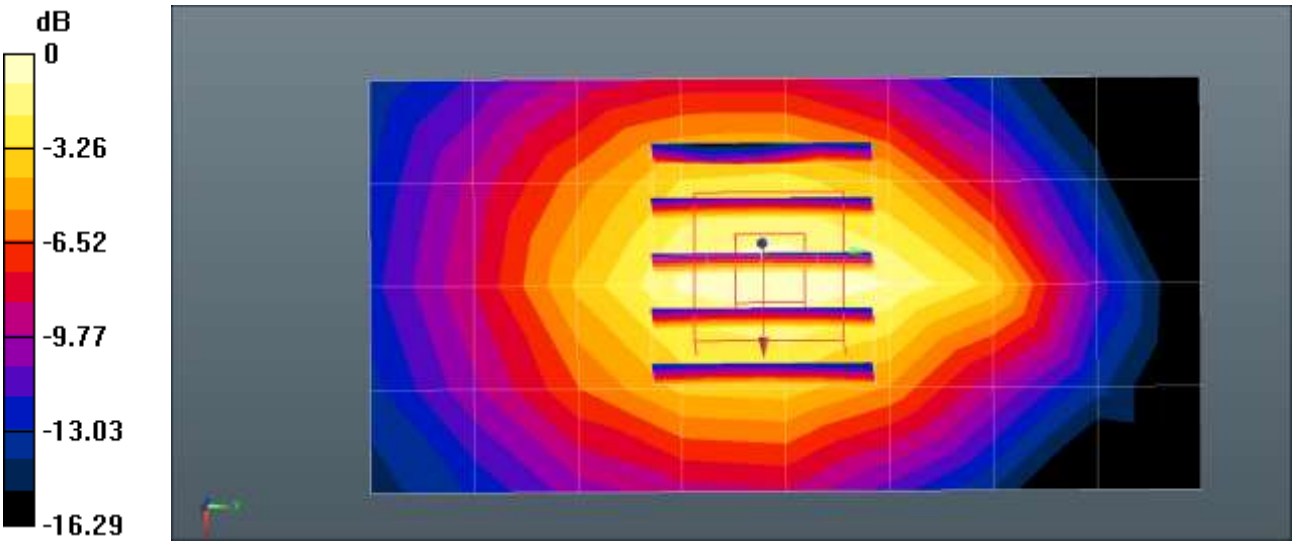
Communication System: UID 0, GSM 1900 4TX (0); Frequency: 1880 MHz;Duty Cycle: 1:2.07491
Medium parameters used: f = 1880 MHz; σ = 1.396 S/m; ε_r = 41.38; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1880 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

GSM1900 Body Bottom 661ch 4Tx/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.347 W/kg

GSM1900 Body Bottom 661ch 4Tx/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.72 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.399 W/kg
SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.145 W/kg
Maximum value of SAR (measured) = 0.340 W/kg



0 dB = 0.340 W/kg = -4.69 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.9 ℃
Ambient Temperature:	20.9 ℃
Test Date:	06/09/2023
Plot No.:	C3

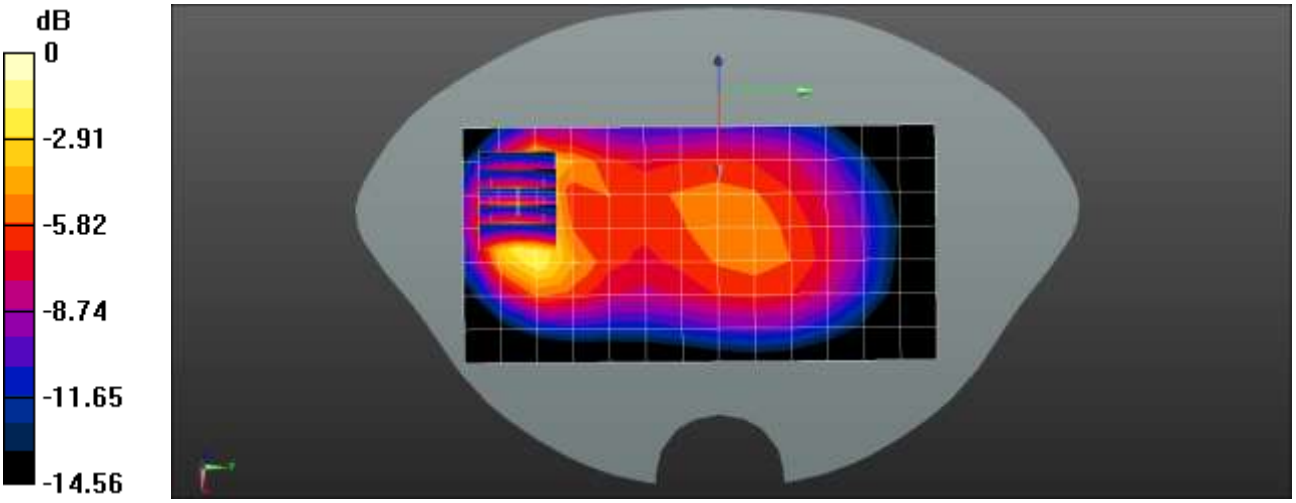
Communication System: UID 0, WCDMA850 (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 846.6 MHz; σ = 0.941 S/m; ε_r = 41.661; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 846.6 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

UMTS Band 5 Body Rear 4233ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.974 W/kg

UMTS Band 5 Body Rear 4233ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.48 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.497 W/kg
Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	C4

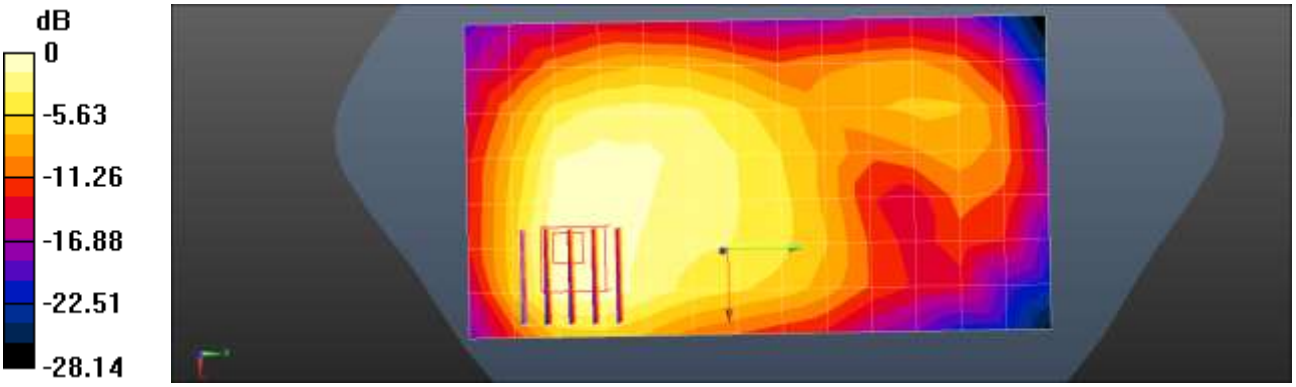
Communication System: UID 0, WCDMA 1700 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.4 MHz; σ = 1.345 S/m; ε_r = 41.421; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1732.4 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

UMTS Band 4 Body Rear 1412ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.415 W/kg

UMTS Band 4 Body Rear 1412ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.58 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.517 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.183 W/kg
Maximum value of SAR (measured) = 0.436 W/kg



0 dB = 0.415 W/kg = -3.82 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	C5

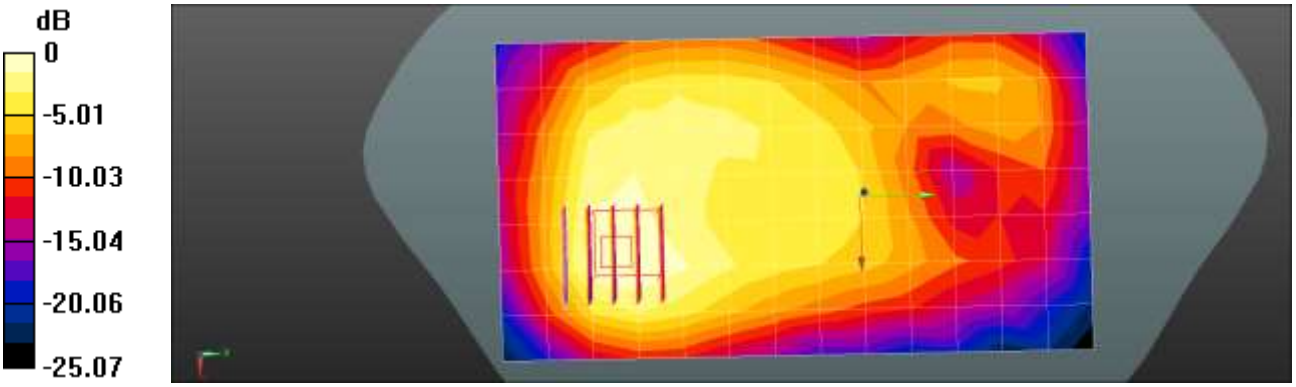
Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.402 S/m; ε_r = 41.382; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1880 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

UMTS Band 2 Body Rear 9400ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.485 W/kg

UMTS Band 2 Body Rear 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.07 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.616 W/kg
SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.208 W/kg
Maximum value of SAR (measured) = 0.518 W/kg



0 dB = 0.485 W/kg = -3.14 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.1 ℃
Ambient Temperature:	21.2 ℃
Test Date:	09/15/2023
Plot No.:	C6

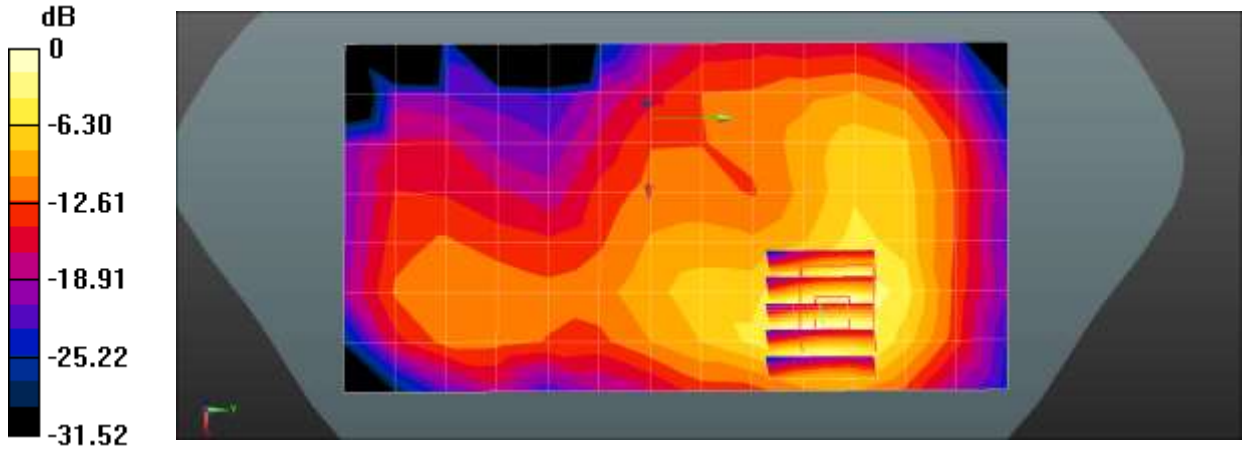
Communication System: UID 0, LTE Band 2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.397 S/m; ε_r = 41.366; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(8.19, 7.47, 8.43) @ 1880 MHz; Calibrated: 2023-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1464; Calibrated: 2023-06-16
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 2 Body Rear QPSK 20MHz 1RB 0offset 18900ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.221 W/kg

LTE Band 2 Body Rear QPSK 20MHz 1RB 0offset 18900ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.150 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.346 W/kg
SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.088 W/kg
Maximum value of SAR (measured) = 0.282 W/kg



0 dB = 0.282 W/kg = -5.50 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.0 ℃
Ambient Temperature:	20.1 ℃
Test Date:	05/30/2023
Plot No.:	C7

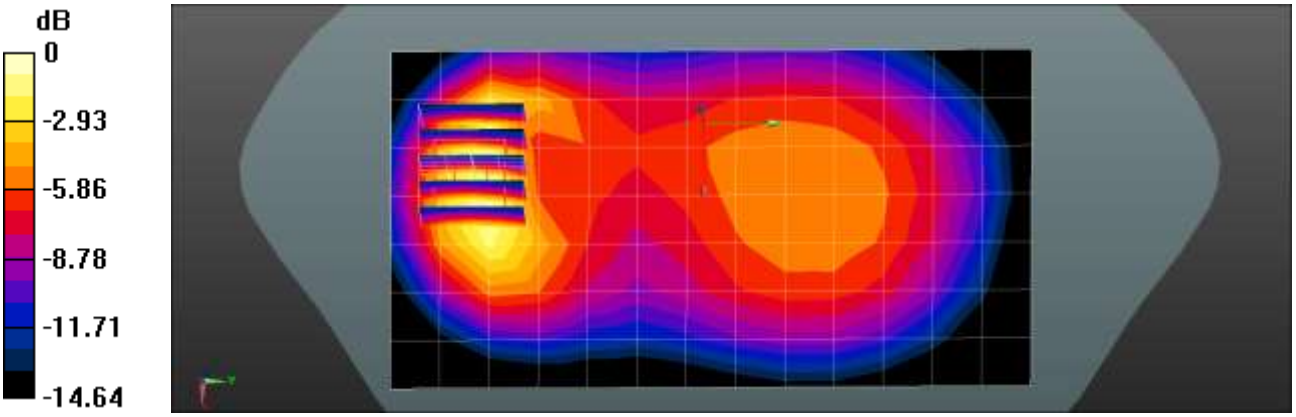
Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.922 S/m; ε_r = 41.735; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 5 Body Rear QPSK 10MHz 1RB 49offset 20525ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.03 W/kg

LTE Band 5 Body Rear QPSK 10MHz 1RB 49offset 20525ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.50 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.441 W/kg
Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/03/2023
Plot No.:	C8

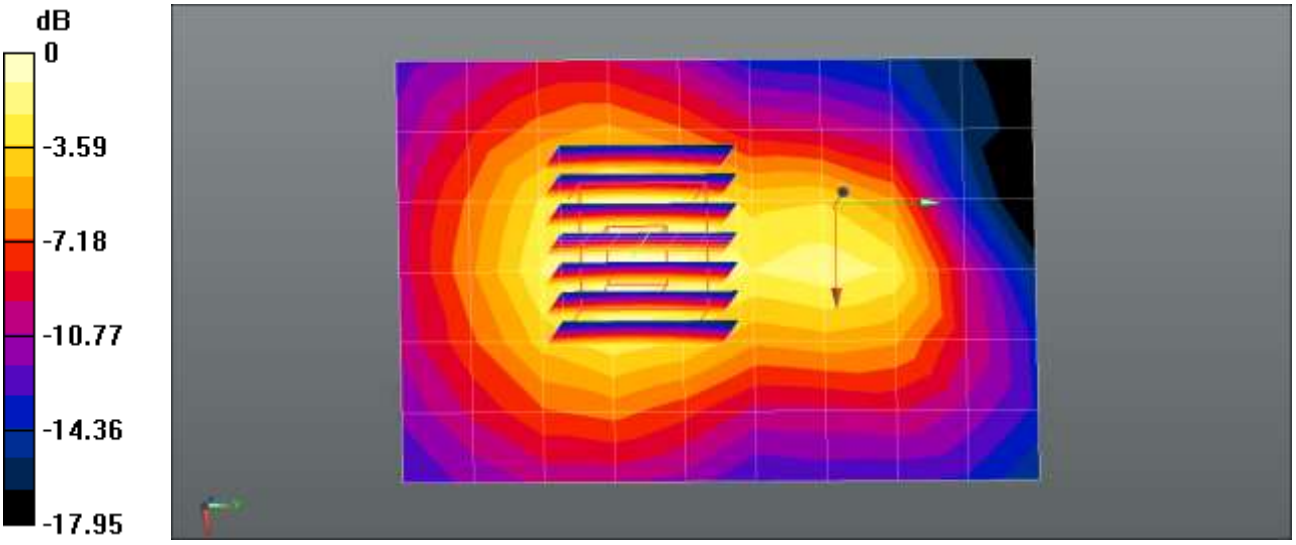
Communication System: UID 0, LTE Band 7 (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.964 S/m; ε_r = 39.339; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2560 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 7 Body Bottom QPSK 20MHz 50RB 25offset 21350ch/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.798 W/kg

LTE Band 7 Body Bottom QPSK 20MHz 50RB 25offset 21350ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.90 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.984 W/kg
SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.308 W/kg
Maximum value of SAR (measured) = 0.834 W/kg



0 dB = 0.834 W/kg = -0.79 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.1 ℃
Test Date:	05/31/2023
Plot No.:	C9

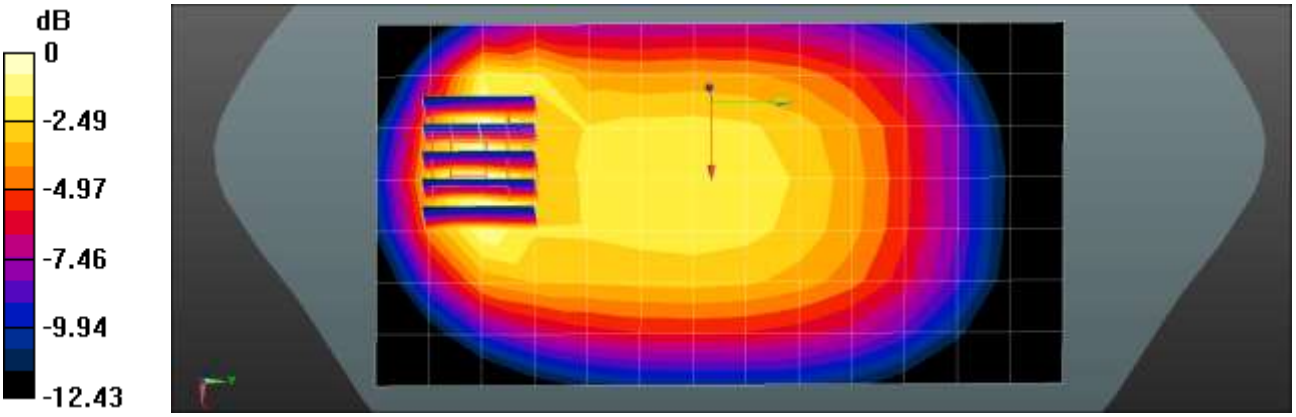
Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.863 S/m; ε_r = 42.533; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 707.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 12 Body Rear QPSK 10MHz 1RB 0offset 23095ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.446 W/kg

LTE Band 12 Body Rear QPSK 10MHz 1RB 0offset 23095ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.56 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.580 W/kg
SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.190 W/kg
Maximum value of SAR (measured) = 0.459 W/kg



0 dB = 0.459 W/kg = -3.38 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.3 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/01/2023
Plot No.:	C10

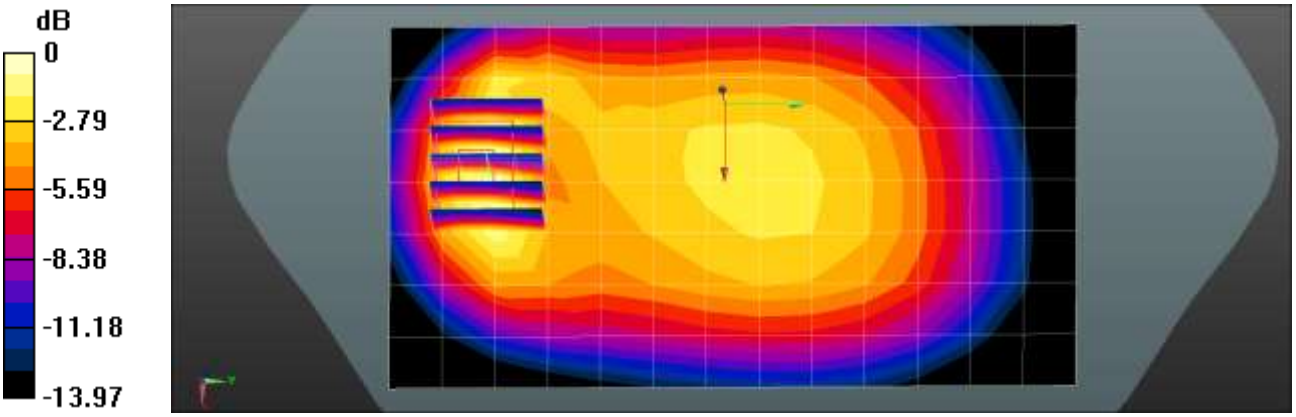
Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.936 S/m; ε_r = 41.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 782 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 13 Body Rear QPSK 10MHz 1RB 0offset 23230ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.615 W/kg

LTE Band 13 Body Rear QPSK 10MHz 1RB 0offset 23230ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.29 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.832 W/kg
SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.263 W/kg
Maximum value of SAR (measured) = 0.671 W/kg



0 dB = 0.671 W/kg = -1.73 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.9 ℃
Ambient Temperature:	20.0 ℃
Test Date:	06/02/2023
Plot No.:	C11

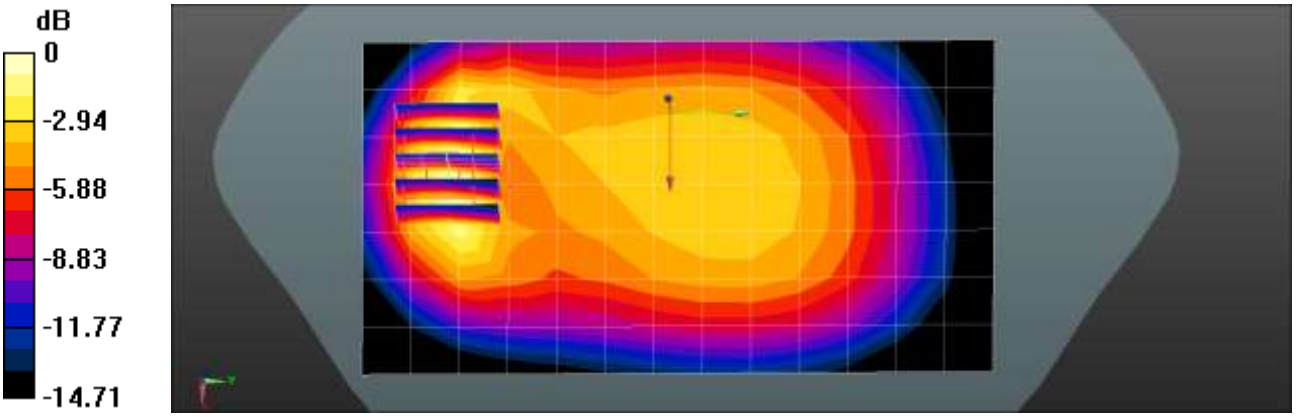
Communication System: UID 0, LTE 14 (0); Frequency: 793 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 793 MHz; σ = 0.947 S/m; ε_r = 41.499; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 793 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 14 Body Rear QPSK 10MHz 1RB 0offset 23330ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.564 W/kg

LTE Band 14 Body Rear QPSK 10MHz 1RB 0offset 23330ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.28 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.773 W/kg
SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.242 W/kg
Maximum value of SAR (measured) = 0.648 W/kg



0 dB = 0.648 W/kg = -1.88 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/03/2023
Plot No.:	C12

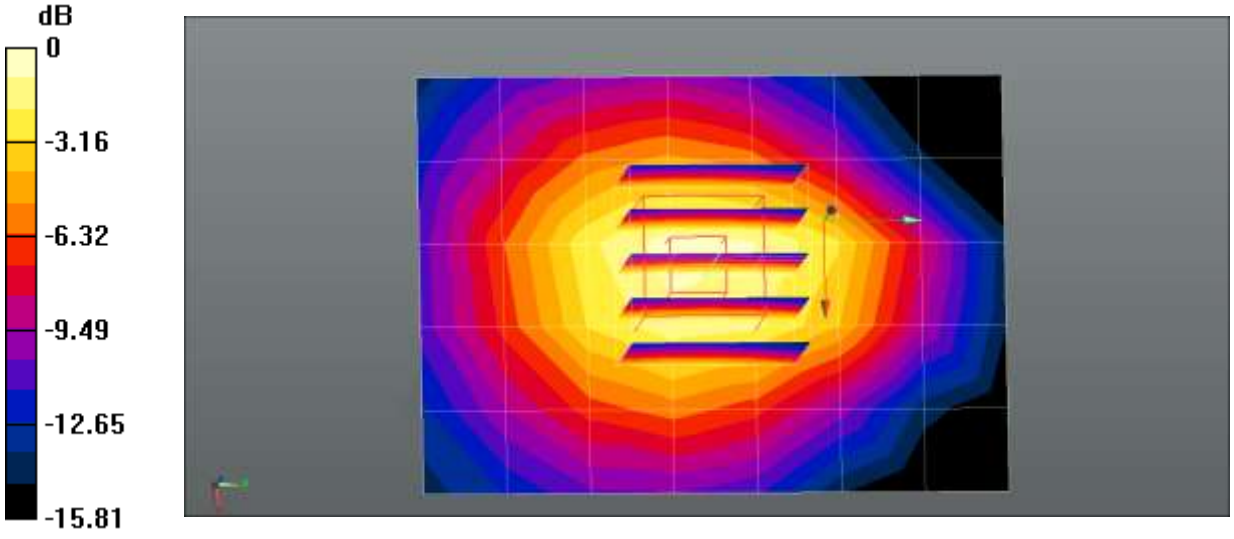
Communication System: UID 0, LTE Band 25 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.382 S/m; ε_r = 41.594; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1860 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 25 Body Bottom QPSK 20MHz 50RB 25offset 26140ch/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.643 W/kg

LTE Band 25 Body Bottom QPSK 20MHz 50RB 25offset 26140ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.64 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.825 W/kg
SAR(1 g) = 0.527 W/kg; SAR(10 g) = 0.322 W/kg
Maximum value of SAR (measured) = 0.724 W/kg



0 dB = 0.724 W/kg = -1.40 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.1 ℃
Ambient Temperature:	19.3 ℃
Test Date:	06/03/2023
Plot No.:	C13

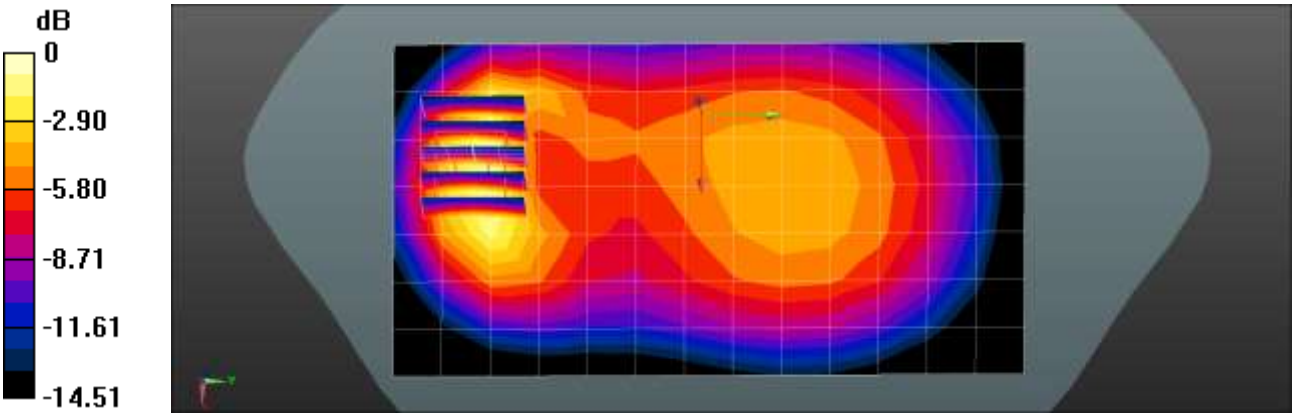
Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.919 S/m; ε_r = 41.838; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 831.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 26 Body Rear QPSK 15MHz 1RB 0offset 26865ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.911 W/kg

LTE Band 26 Body Rear QPSK 15MHz 1RB 0offset 26865ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.98 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.396 W/kg
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.09 W/kg = 0.37 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.3 ℃
Test Date:	06/22/2023
Plot No.:	C14

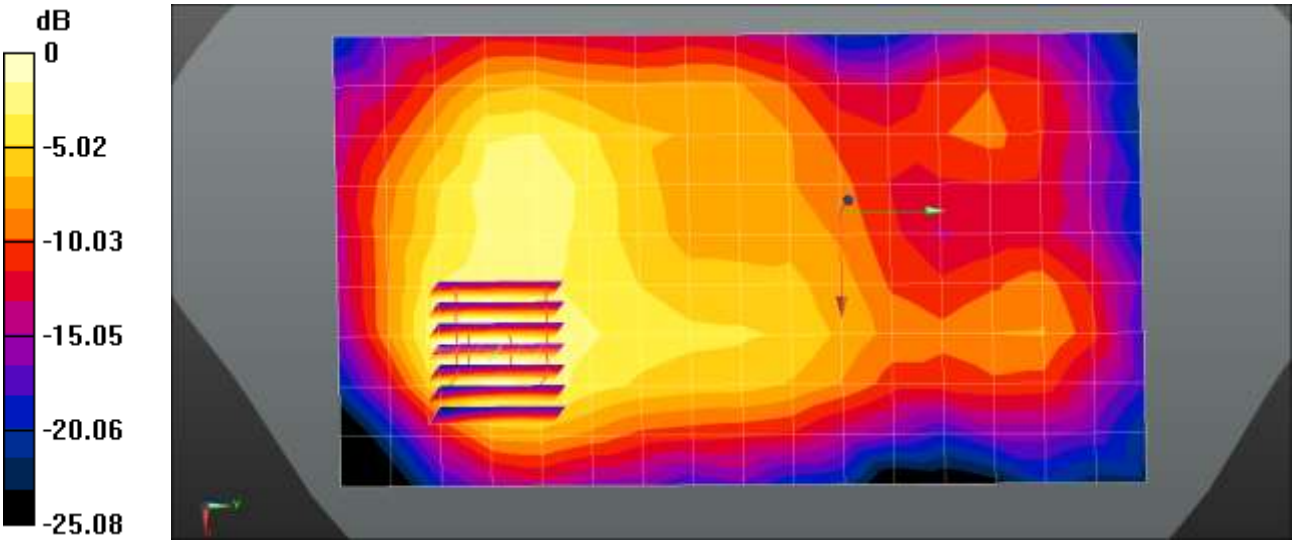
Communication System: UID 0, LTE Band 30 (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.718 S/m; ε_r = 39.909; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.58, 8.04, 7.88) @ 2310 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.10 (4);

LTE Band 30 Body Rear QPSK 10MHz 1RB 0offset 27710ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.486 W/kg

LTE Band 30 Body Rear QPSK 10MHz 1RB 0offset 27710ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.605 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.642 W/kg
SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.169 W/kg
Maximum value of SAR (measured) = 0.508 W/kg



0 dB = 0.508 W/kg = -2.94 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.2 ℃
Test Date:	07/05/2023
Plot No.:	C15

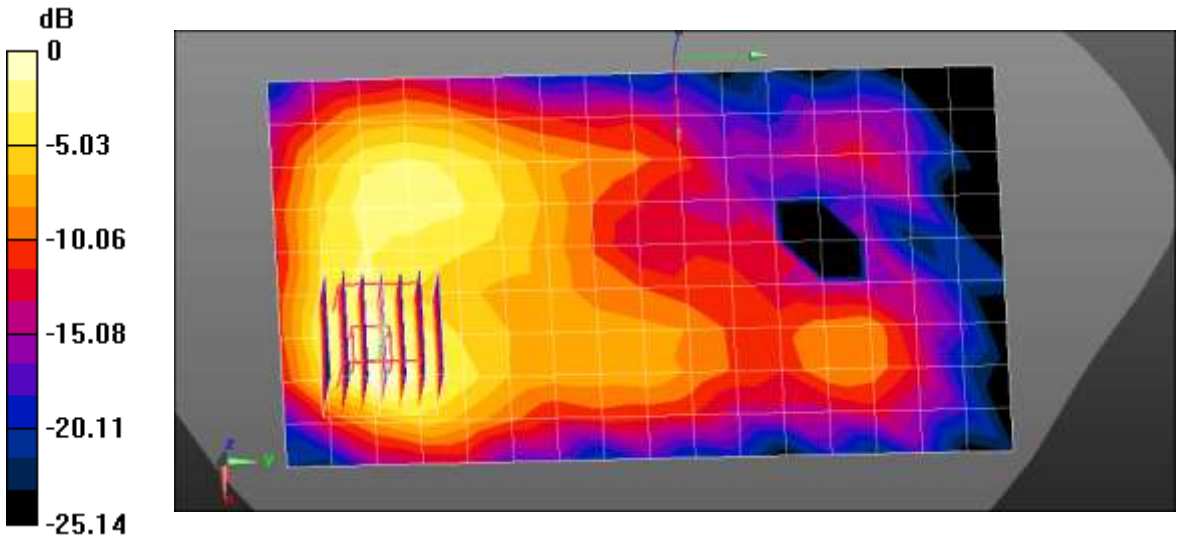
Communication System: UID 0, LTE Band 41 (FCC) (0); Frequency: 2593 MHz;Duty Cycle: 1:1.58052
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.015 S/m; ε_r = 39.328; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2593 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

LTE Band 41 Body Rear QPSK 20MHz 1RB 0offset 40620ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.412 W/kg

LTE Band 41 Body Rear QPSK 20MHz 1RB 0offset 40620ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.506 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.567 W/kg
SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.129 W/kg
Maximum value of SAR (measured) = 0.435 W/kg



0 dB = 0.435 W/kg = -3.62 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.0 ℃
Ambient Temperature:	22.1 ℃
Test Date:	09/04/2023
Plot No.:	C16

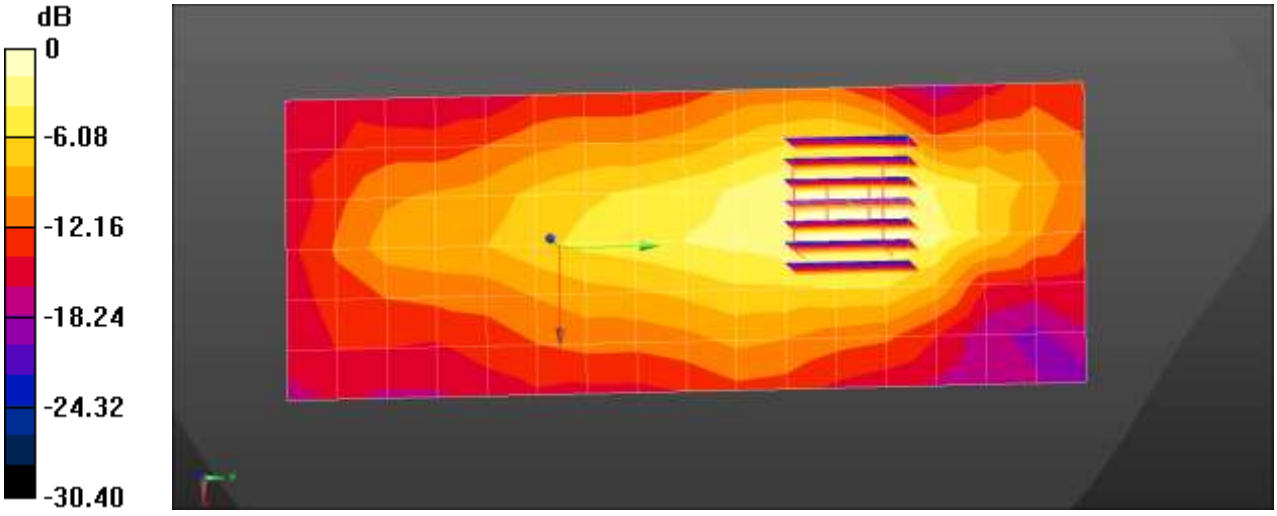
Communication System: UID 0, LTE 48(FCC) (0); Frequency: 3603.3 MHz;Duty Cycle: 1:1.58016
Medium parameters used (interpolated): f = 3603.3 MHz; σ = 3.05 S/m; ε_r = 37.723; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3603.3 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

LTE Band 48 Body Left QPSK 20MHz 1RB 99offset 55773ch/Area Scan (7x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.512 W/kg

LTE Band 48 Body Left QPSK 20MHz 1RB 99offset 55773ch/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 8.910 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.816 W/kg
SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.155 W/kg
Maximum value of SAR (measured) = 0.612 W/kg



0 dB = 0.612 W/kg = -2.13 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.7 ℃
Ambient Temperature:	20.8 ℃
Test Date:	07/06/2023
Plot No.:	C17

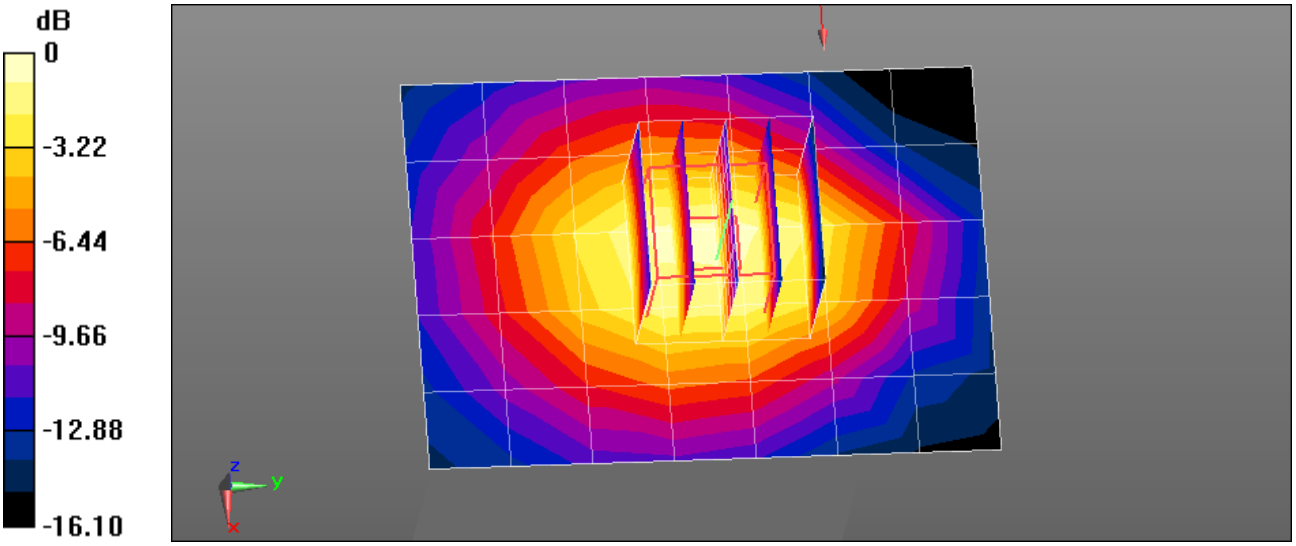
Communication System: UID 0, LTE Band 66 (0); Frequency: 1770 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.377 S/m; ε_r = 41.129; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1770 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

LTE Band 66 Body Bottom QPSK 20MHz 1RB 99offset 132572ch/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.645 W/kg

LTE Band 66 Body Bottom QPSK 20MHz 1RB 99offset 132572ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.55 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.857 W/kg
SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.338 W/kg
Maximum value of SAR (measured) = 0.750 W/kg



0 dB = 0.750 W/kg = -1.25 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.6 ℃
Test Date:	06/12/2023
Plot No.:	C18

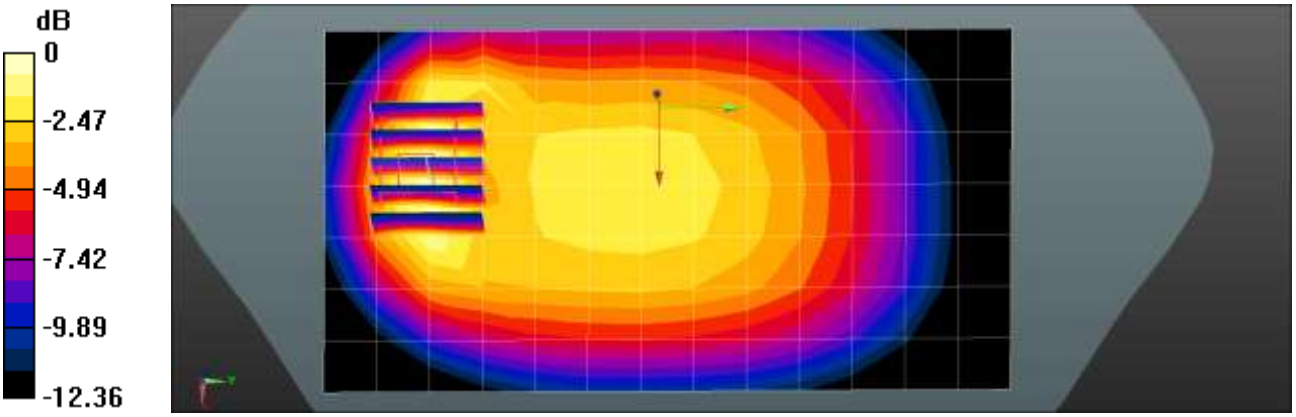
Communication System: UID 0, LTE Band 71 (0); Frequency: 680.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.872 S/m; ε_r = 43.03; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 680.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

LTE Band 71 Body Rear QPSK 20MHz 1RB 0offset 133297ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.471 W/kg

LTE Band 71 Body Rear QPSK 20MHz 1RB 0offset 133297ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.36 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.597 W/kg
SAR(1 g) = 0.336 W/kg; SAR(10 g) = 0.198 W/kg
Maximum value of SAR (measured) = 0.478 W/kg



0 dB = 0.478 W/kg = -3.21 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/13/2023
Plot No.:	C19

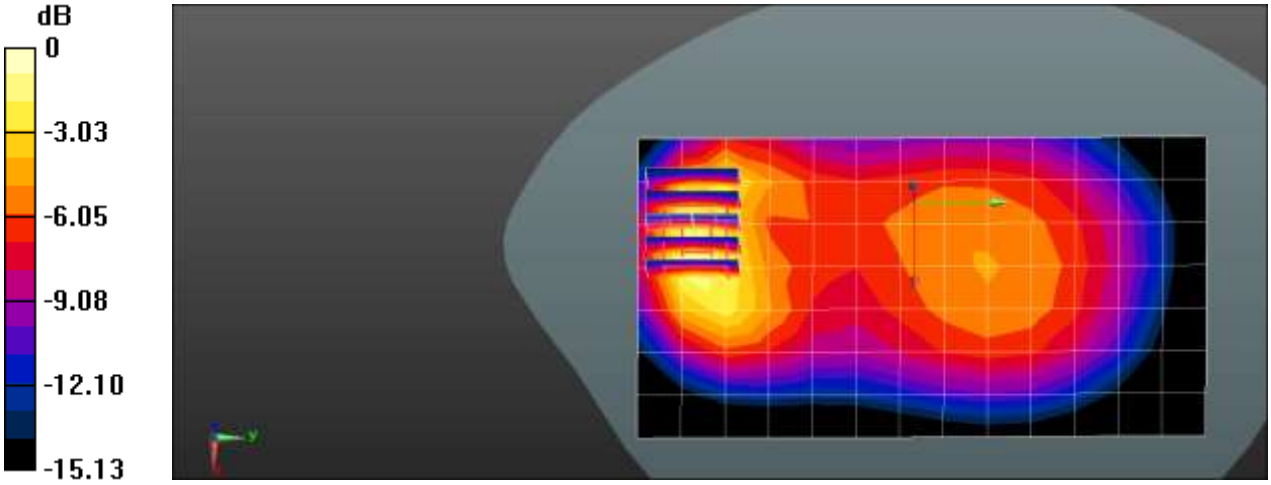
Communication System: UID 0, NR n5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.921 S/m; ε_r = 41.668; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 836.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

NR Band n5 Body Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.01 W/kg

NR Band n5 Body Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.44 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.889 W/kg; SAR(10 g) = 0.495 W/kg
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.0 ℃
Test Date:	06/09/2023
Plot No.:	C20

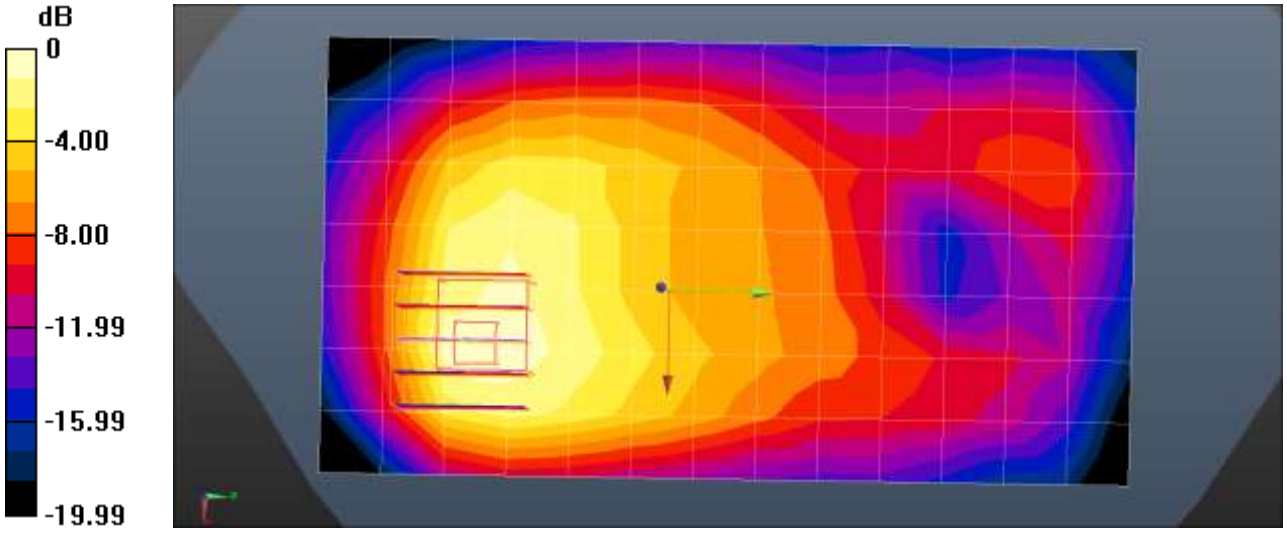
Communication System: UID 0, NR Band 2,25 (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.412 S/m; ε_r = 41.469; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1882.5 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n25 Body Rear DFT-s QPSK 40MHz 1RB 108offset 376500ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.562 W/kg

NR Band n25 Body Rear DFT-s QPSK 40MHz 1RB 108offset 376500ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.98 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.740 W/kg
SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.258 W/kg
Maximum value of SAR (measured) = 0.627 W/kg



0 dB = 0.627 W/kg = -2.03 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.4 ℃
Test Date:	06/08/2023
Plot No.:	C21

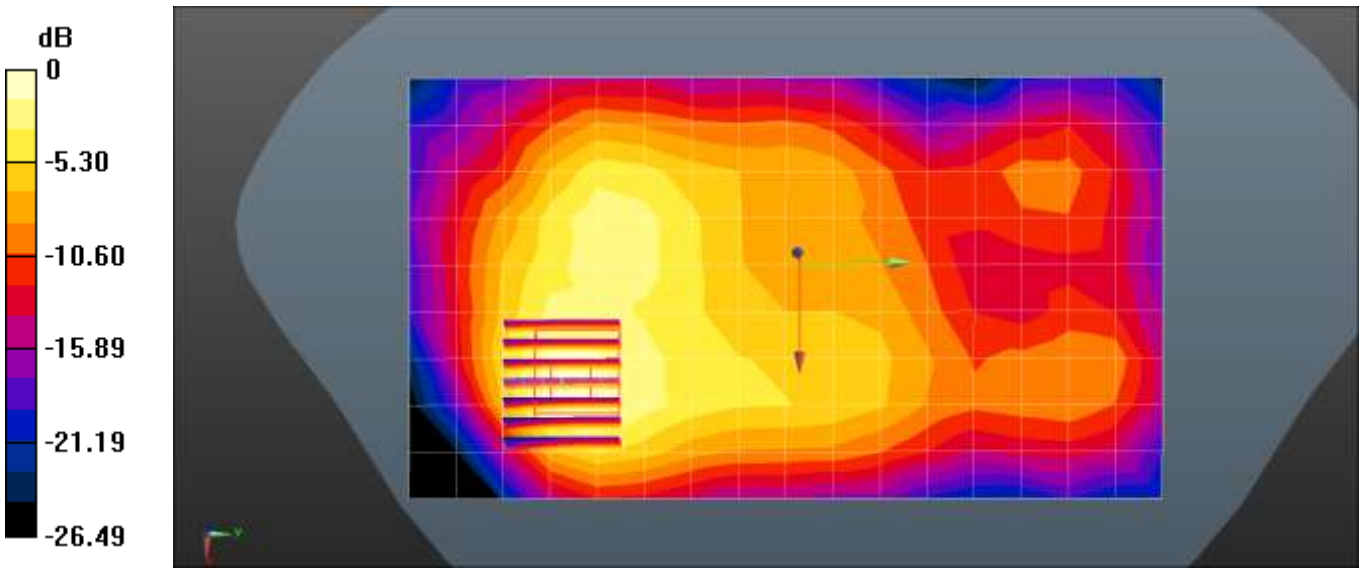
Communication System: UID 0, NR Band 30 (0); Frequency: 2310 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2310 MHz; σ = 1.72 S/m; ε_r = 39.963; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.58, 8.04, 7.88) @ 2310 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n30 Body Rear DFT-s QPSK 10MHz 1RB 26offset 462000ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.463 W/kg

NR Band n30 Body Rear DFT-s QPSK 10MHz 1RB 26offset 462000ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.069 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.702 W/kg
SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.181 W/kg
Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.566 W/kg = -2.47 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.1 ℃
Test Date:	07/10/2023
Plot No.:	C22

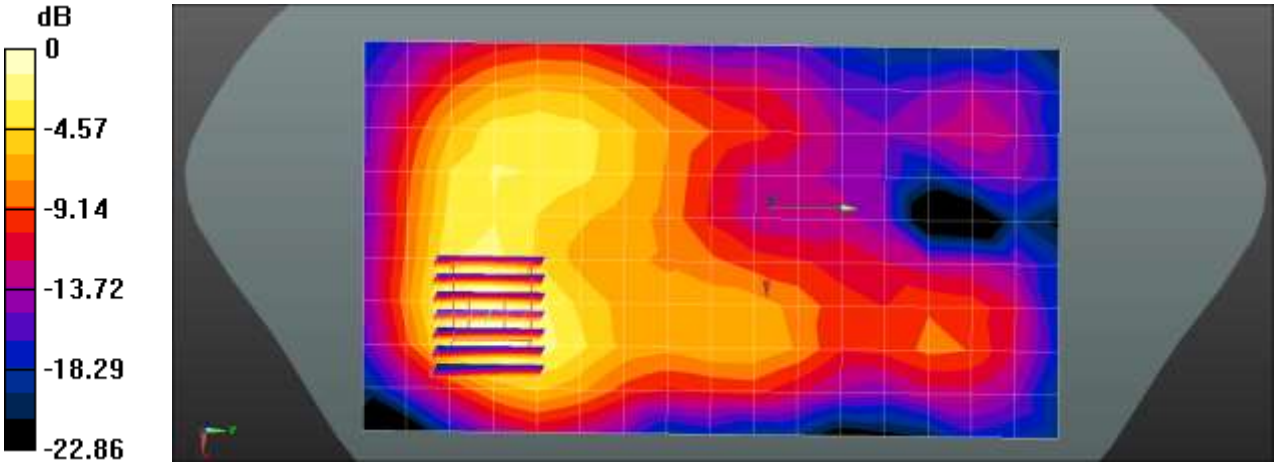
Communication System: UID 0, NR n41 (0); Frequency: 2592.99 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2592.99 MHz; σ = 2.011 S/m; ε_r = 39.315; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2592.99 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n41 Body Rear DFT-s QPSK 100MHz 135RB 69offset 518598ch/Area Scan (10x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.962 W/kg

NR Band n41 Body Rear DFT-s QPSK 100MHz 135RB 69offset 518598ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.382 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.679 W/kg; SAR(10 g) = 0.354 W/kg
Maximum value of SAR (measured) = 1.08 W/kg



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

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.2 ℃
Ambient Temperature:	22.2 ℃
Test Date:	09/15/2023
Plot No.:	C23

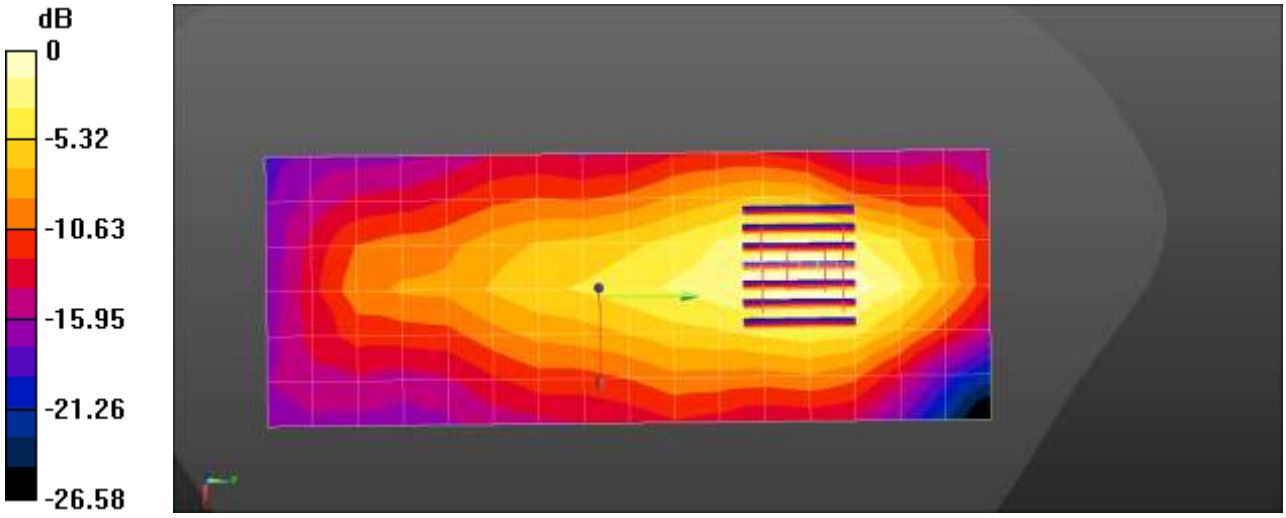
Communication System: UID 0, n48 (0); Frequency: 3679.98 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3680 MHz; σ = 3.147 S/m; ε_r = 37.489; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3679.98 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n48 Body Left CP QPSK 40MHz 1RB 1offset 645332ch/Area Scan (7x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.51 W/kg

NR Band n48 Body Left CP QPSK 40MHz 1RB 1offset 645332ch/Zoom Scan (7x7x8)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 13.84 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 0.886 W/kg; SAR(10 g) = 0.412 W/kg
Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg = 1.99 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.2 ℃
Ambient Temperature:	20.4 ℃
Test Date:	06/12/2023
Plot No.:	C24

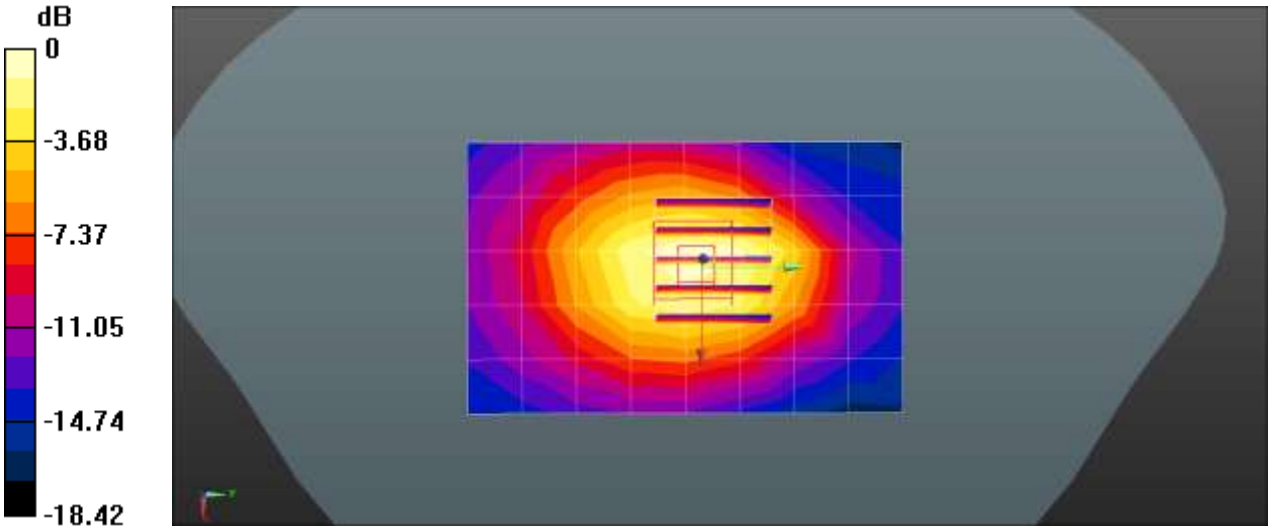
Communication System: UID 0, NR Band 66 (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.358 S/m; ε_r = 41.326; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1745 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n66 Body Bottom DFT-s QPSK 40MHz 1RB 108offset 349000ch/Area Scan (6x9x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.548 W/kg

NR Band n66 Body Bottom DFT-s QPSK 40MHz 1RB 108offset 349000ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.67 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.697 W/kg
SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.247 W/kg
Maximum value of SAR (measured) = 0.594 W/kg



0 dB = 0.594 W/kg = -2.26 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.7 ℃
Test Date:	06/13/2023
Plot No.:	C25

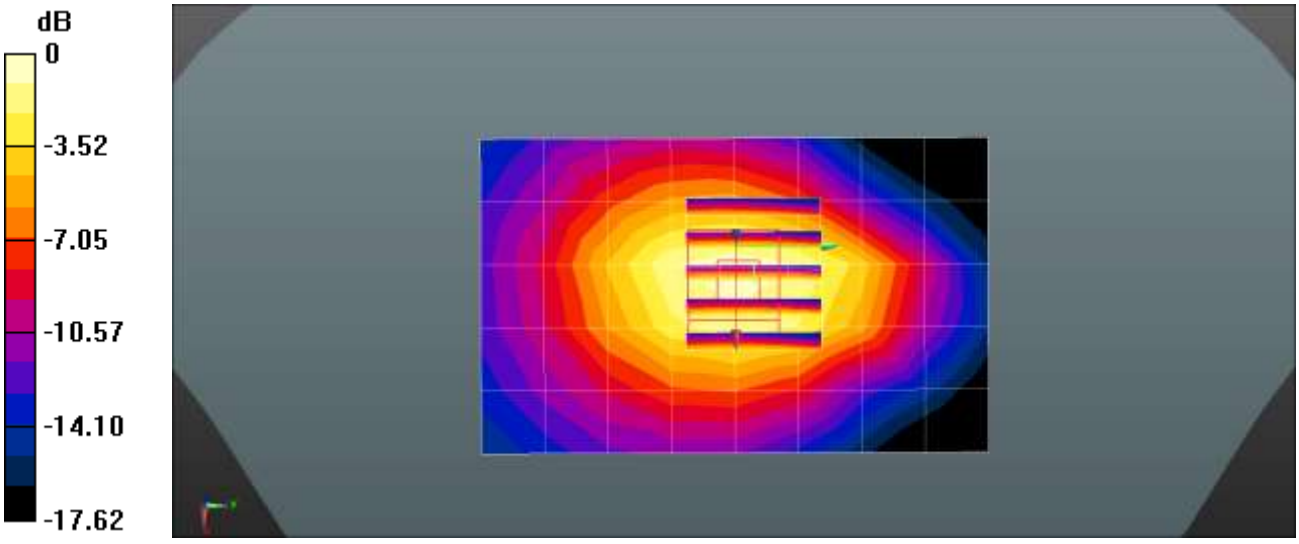
Communication System: UID 0, NR Band n70 (0); Frequency: 1702.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1702.5 MHz; σ = 1.327 S/m; ε_r = 41.477; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1702.5 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

NR Band n70 Body Bottom DFT-s QPSK 15MHz 36RB 22offset 340500ch/Area Scan (6x9x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.623 W/kg

NR Band n70 Body Bottom DFT-s QPSK 15MHz 36RB 22offset 340500ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.41 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.788 W/kg
SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.281 W/kg
Maximum value of SAR (measured) = 0.675 W/kg



0 dB = 0.675 W/kg = -1.71 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.4 ℃
Ambient Temperature:	19.5 ℃
Test Date:	06/14/2023
Plot No.:	C26

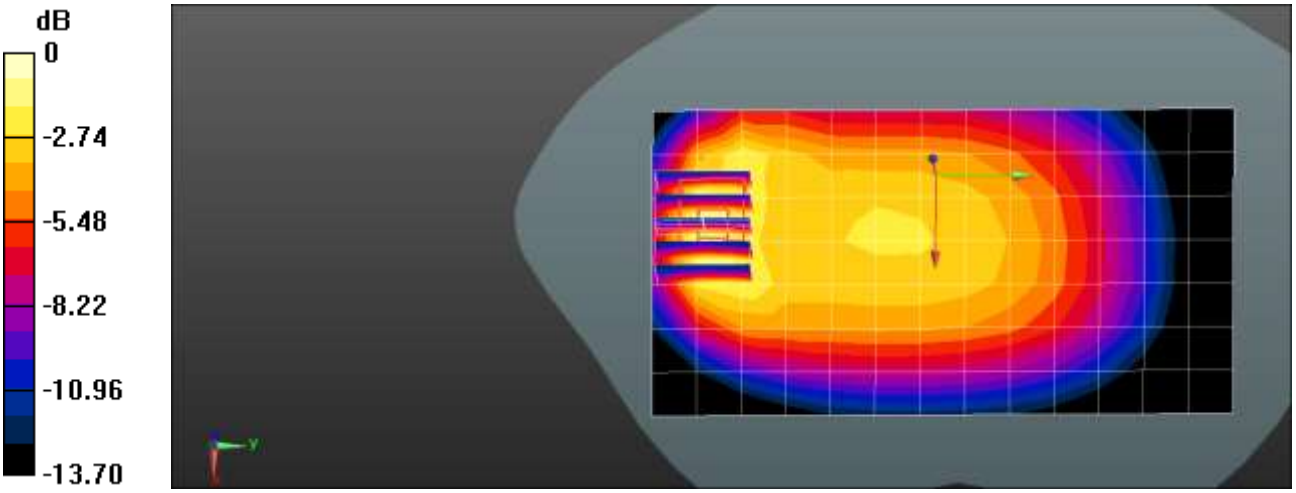
Communication System: UID 0, NR n71 (0); Frequency: 680.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 680.5 MHz; σ = 0.875 S/m; ε_r = 43.063; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 680.5 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

NR Band n71 Body Rear DFT-s QPSK 20MHz 1RB 53offset 136100ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.675 W/kg

NR Band n71 Body Rear DFT-s QPSK 20MHz 1RB 53offset 136100ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.91 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.329 W/kg
Maximum value of SAR (measured) = 0.808 W/kg



0 dB = 0.808 W/kg = -0.93 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.0℃
Ambient Temperature:	20.1℃
Test Date:	09/14/2023
Plot No.:	C27

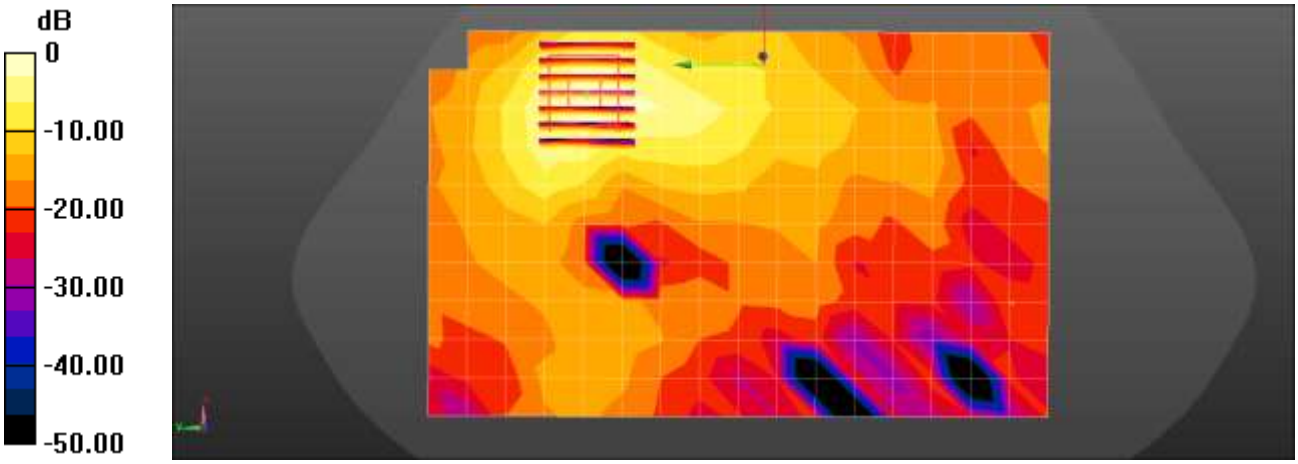
Communication System: UID 0, n77 (0); Frequency: 3930 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3930 MHz; σ = 3.271 S/m; ε_r = 37.286; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3797; ConvF(6.56, 6.25, 6.5) @ 3930 MHz; Calibrated: 2023-01-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn504; Calibrated: 2023-01-10
- Phantom: Twin-SAM V8.0 (20deg probe tilt); Type: QD 000 P41 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

NR Band n77 Body Rear DFT-s QPSK 100MHz 135RB 69offset 662000ch/Area Scan (11x17x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.618 W/kg

NR Band n77 Body Rear DFT-s QPSK 100MHz 135RB 69offset 662000ch/Zoom Scan (7x7x8)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 1.999 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.899 W/kg
SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.122 W/kg
Maximum value of SAR (measured) = 0.631 W/kg



0 dB = 0.462 W/kg = -3.35 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.2 ℃
Ambient Temperature:	19.3 ℃
Test Date:	06/30/2023
Plot No.:	C28

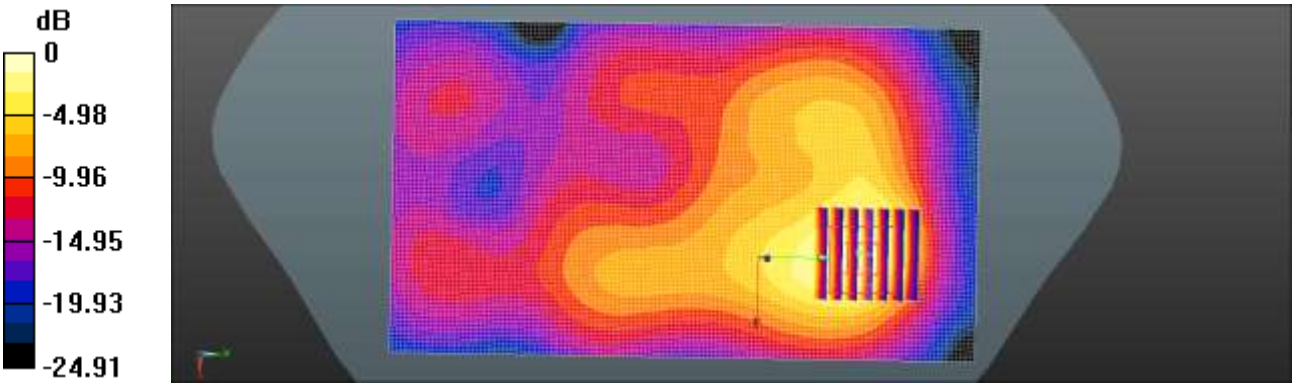
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.807 S/m; ε_r = 39.075; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2412 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

802.11b Body Rear 1Mbps 1ch/Area Scan (91x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.781 W/kg

802.11b Body Rear 1Mbps 1ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.158 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.215 W/kg
Maximum value of SAR (measured) = 0.763 W/kg



0 dB = 0.763 W/kg = -1.17 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.7 ℃
Ambient Temperature:	22.9 ℃
Test Date:	07/21/2023
Plot No.:	C29

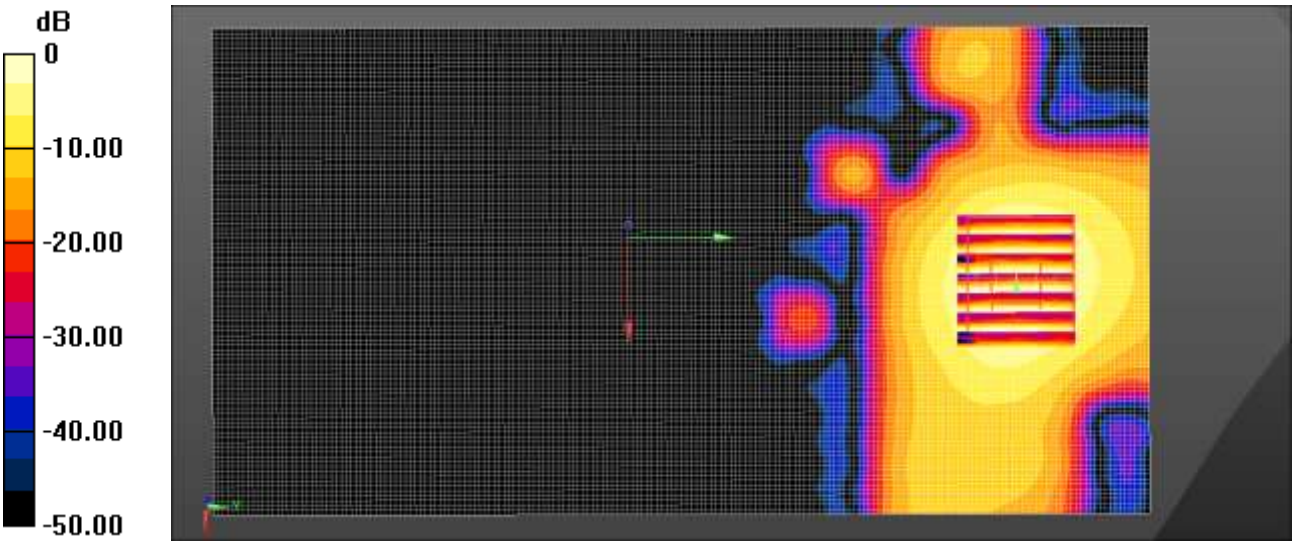
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.245 S/m; ε_r = 34.924; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(5.15, 5.15, 5.15) @ 5785 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

802.11a Body Rear 6Mbps 157ch/Area Scan (101x191x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.31 W/kg

802.11a Body Rear 6Mbps 157ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.39 W/kg
SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.168 W/kg
Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.7 ℃
Ambient Temperature:	20.9 ℃
Test Date:	06/09/2023
Plot No.:	C30

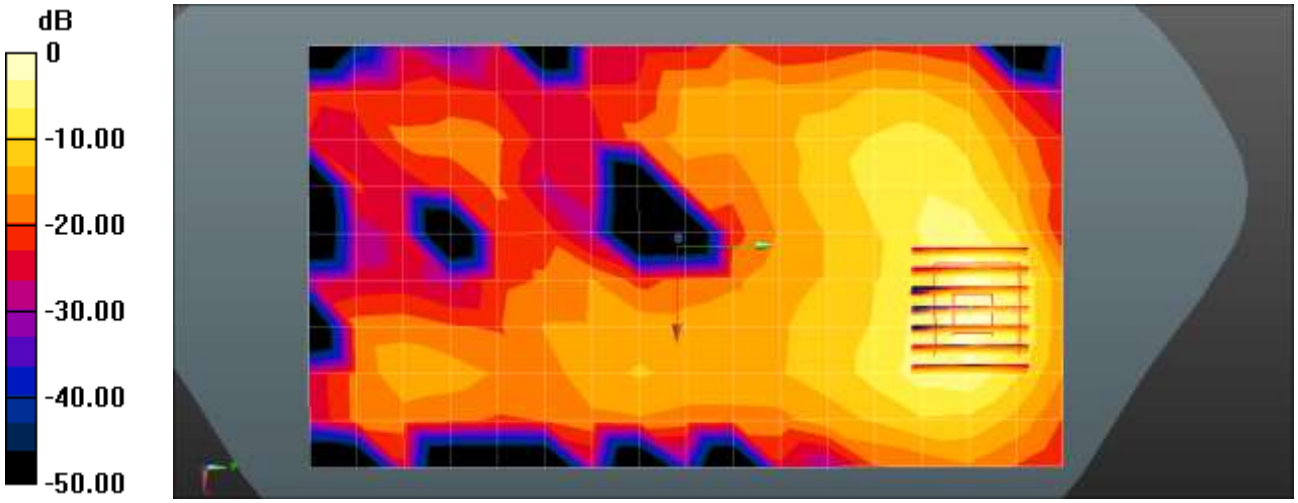
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.833 S/m; ε_r = 39.18; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2441 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

Bluetooth Body Rear DH5 39ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.145 W/kg

Bluetooth Body Rear DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0.6960 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.033 W/kg
Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.149 W/kg = -8.27 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.2 ℃
Test Date:	06/16/2023
Plot No.:	D1

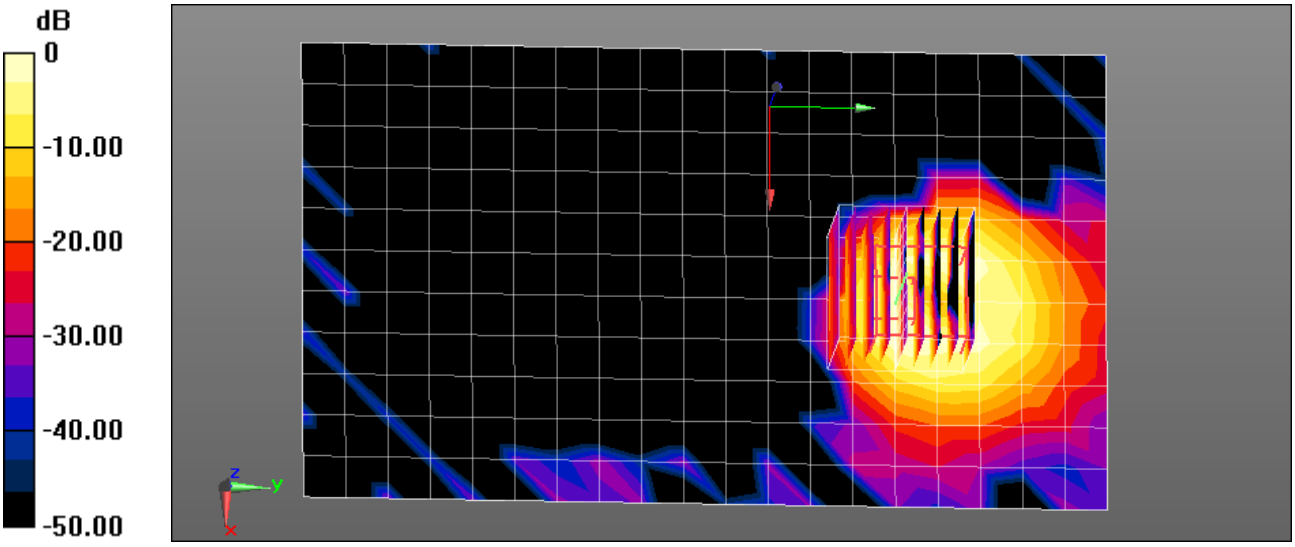
Communication System: UID 0, NFC (0); Frequency: 13.56 MHz;Duty Cycle: 1:1
Medium parameters used: f = 14 MHz; σ = 0.756 S/m; ε_r = 54.289; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.75, 5.75, 5.75) @ 13.56 MHz; Calibrated: 2022-07-20
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: ELI v5.0 Left; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.13 (7474)

NFC Phablet Rear Type A 106kbps/Area Scan (12x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.238 W/kg

NFC Phablet Rear Type A 106kbps/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.48 W/kg
SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.058 W/kg
Maximum value of SAR (measured) = 0.240 W/kg



0 dB = 0.240 W/kg = -6.20 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.7 ℃
Ambient Temperature:	22.9 ℃
Test Date:	07/21/2023
Plot No.:	D2

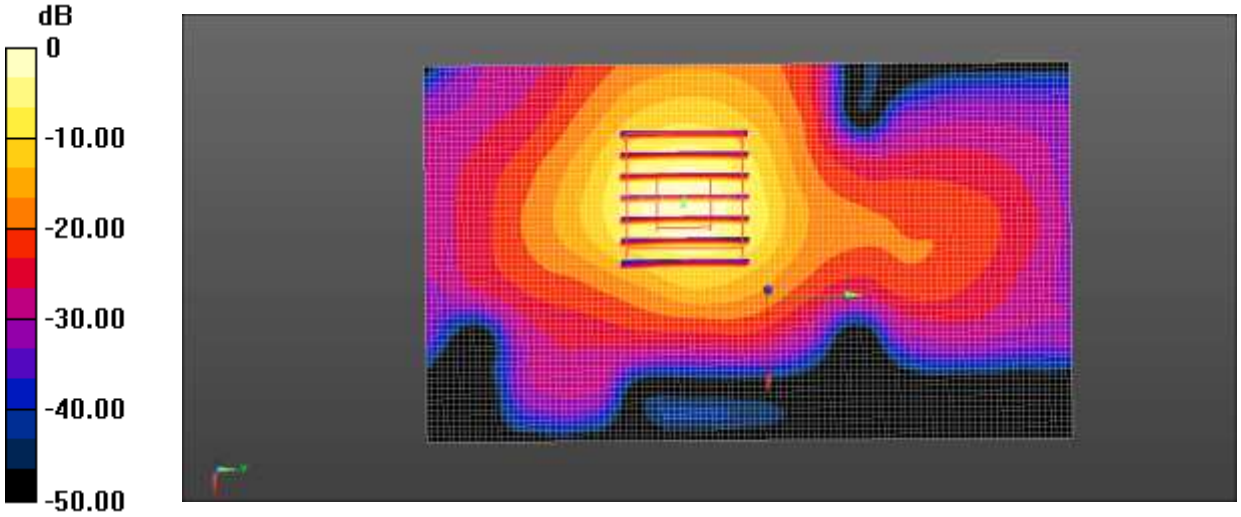
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5260 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5260 MHz; σ = 4.702 S/m; ε_r = 35.557; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(5.6, 5.6, 5.6) @ 5260 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

802.11a Body Top 6Mbps 52ch/Area Scan (71x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 9.58 W/kg

802.11a Body Top 6Mbps 52ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 16.25 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 3.71 W/kg; SAR(10 g) = 0.999 W/kg
Maximum value of SAR (measured) = 9.51 W/kg



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

Appendix C. – Dipole Verification Plots

Verification Data (750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.1 ℃
Test Date:	05/31/2023

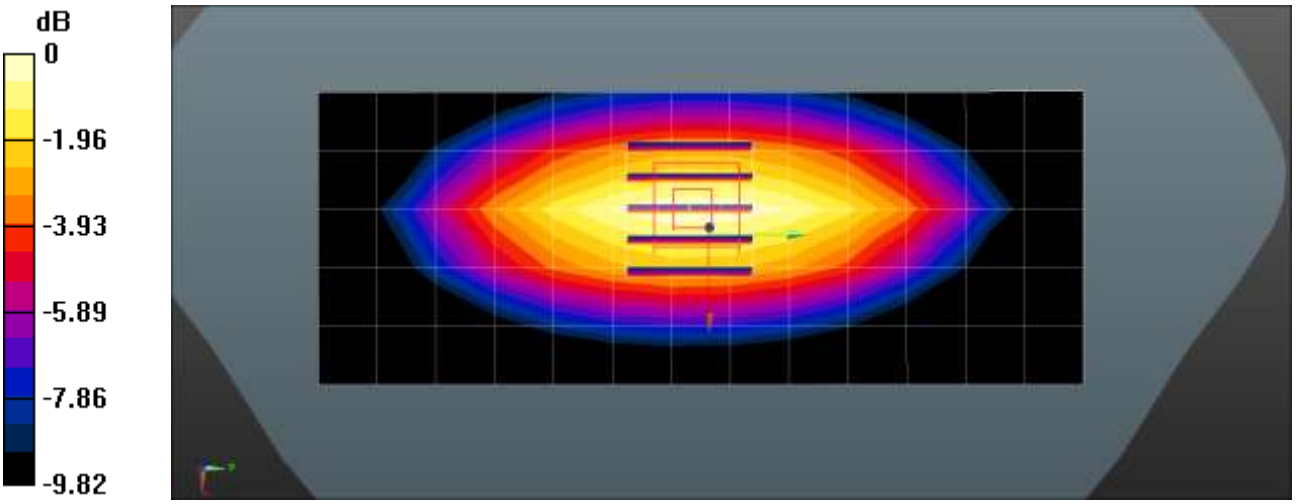
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.899 S/m; ε_r = 41.986; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 750 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.531 W/kg

750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.49 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.592 W/kg
SAR(1 g) = 0.411 W/kg; SAR(10 g) = 0.277 W/kg
Maximum value of SAR (measured) = 0.536 W/kg



0 dB = 0.536 W/kg = -2.71 dBW/kg

Verification Data (750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.3 ℃
Test Date:	06/01/2023

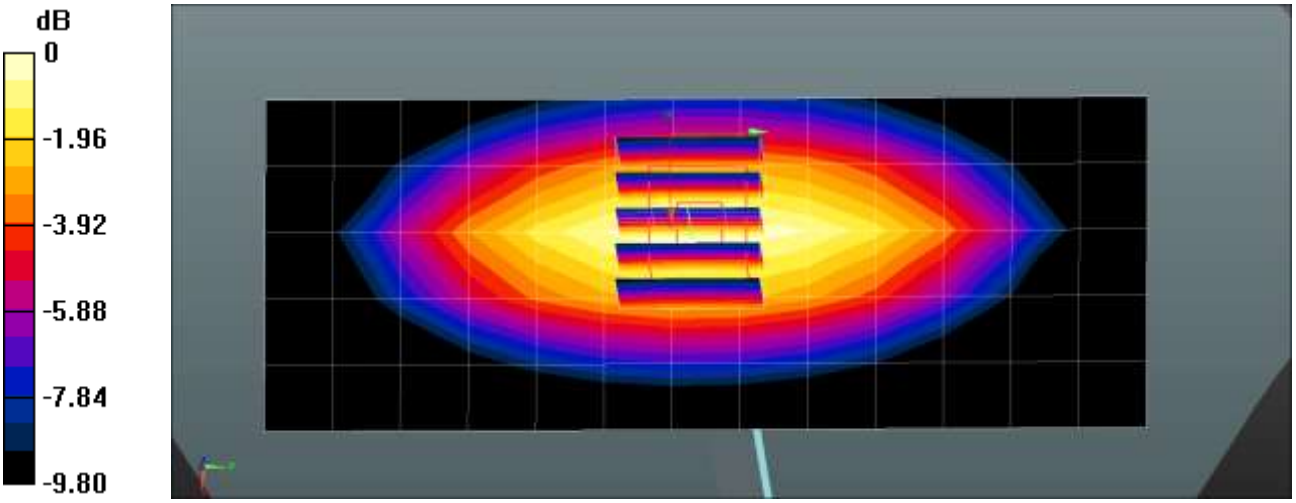
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.902 S/m; ε_r = 42.056; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 750 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.532 W/kg

750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.15 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.594 W/kg
SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 0.537 W/kg



0 dB = 0.537 W/kg = -2.70 dBW/kg

Verification Data (750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.9 ℃
Test Date:	06/02/2023

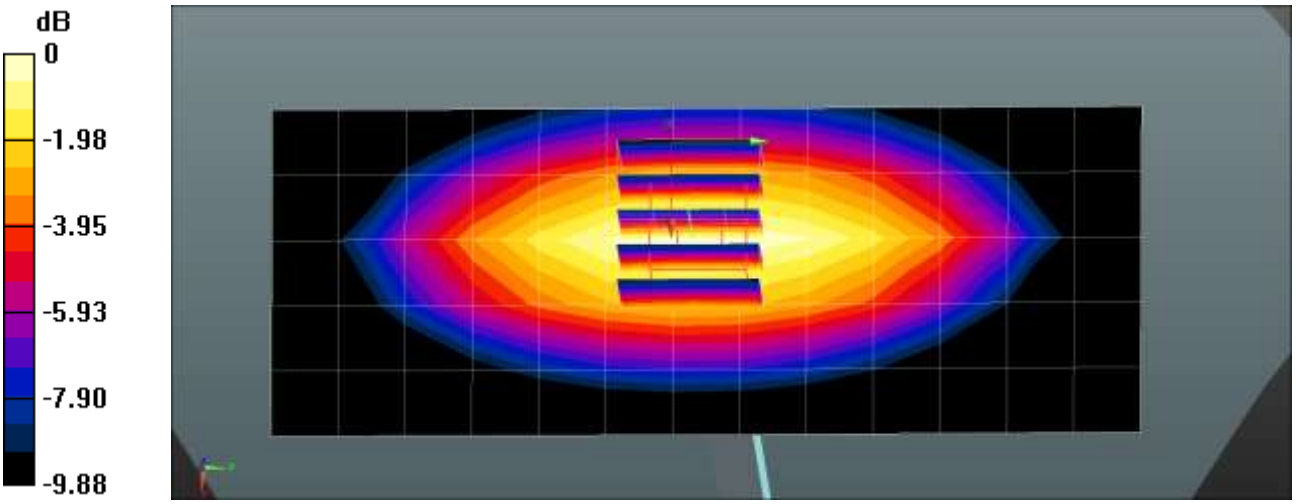
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.904 S/m; ε_r = 42.126; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 750 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.533 W/kg

750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.18 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.594 W/kg
SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.278 W/kg
Maximum value of SAR (measured) = 0.537 W/kg



0 dB = 0.537 W/kg = -2.70 dBW/kg

Verification Data (750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.5 ℃
Test Date:	06/12/2023

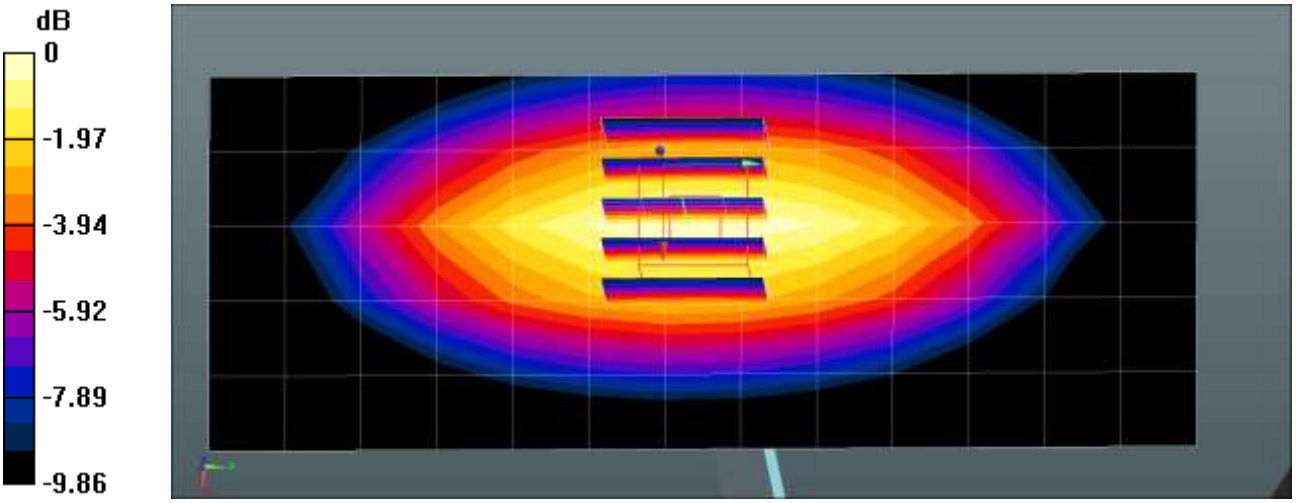
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.906 S/m; ε_r = 42.15; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 750 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.534 W/kg

750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.13 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.597 W/kg
SAR(1 g) = 0.415 W/kg; SAR(10 g) = 0.280 W/kg
Maximum value of SAR (measured) = 0.541 W/kg



0 dB = 0.541 W/kg = -2.67 dBW/kg

Verification Data (835 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6 ℃
Test Date:	06/07/2023

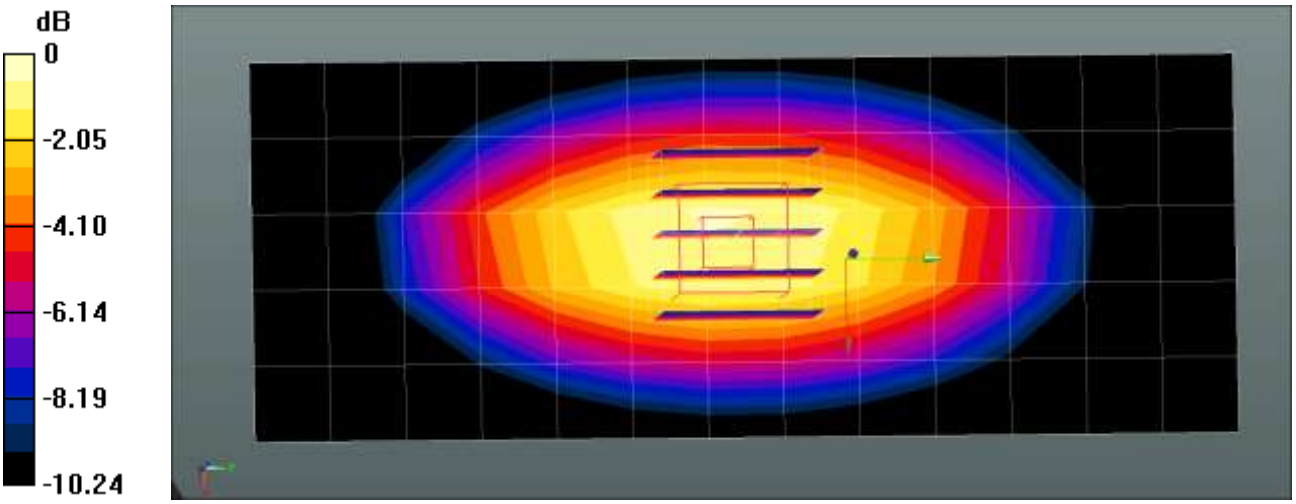
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.934 S/m; ε_r = 41.977; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 835 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.596 W/kg

835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.47 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.748 W/kg
SAR(1 g) = 0.522 W/kg; SAR(10 g) = 0.348 W/kg
Maximum value of SAR (measured) = 0.678 W/kg



0 dB = 0.678 W/kg = -1.69 dBW/kg

Verification Data (835 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.9 ℃
Test Date:	06/09/2023

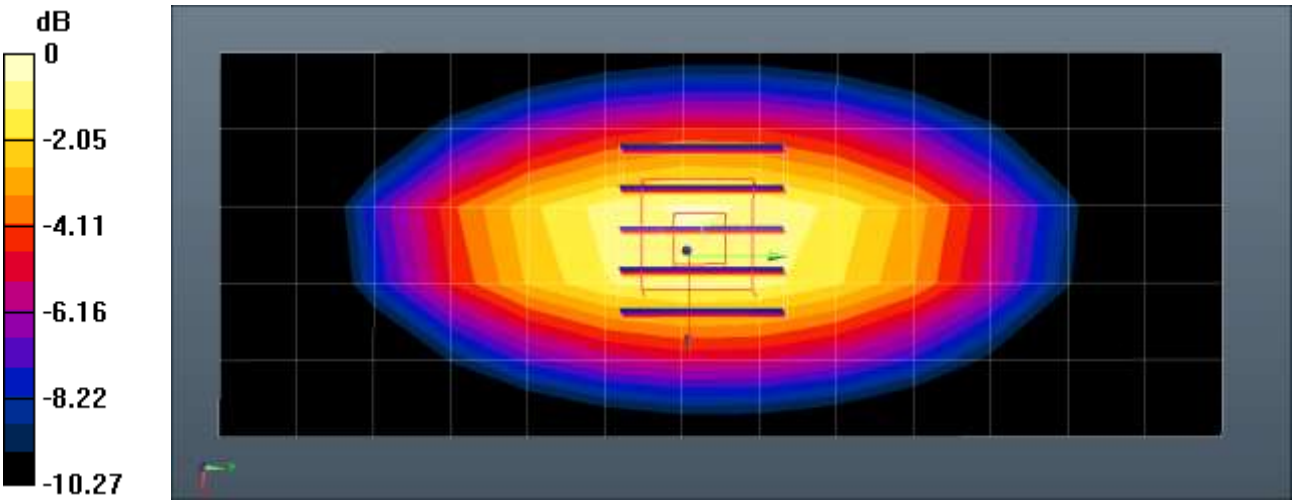
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.927 S/m; ε_r = 41.852; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 835 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.594 W/kg

835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.29 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.745 W/kg
SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.346 W/kg
Maximum value of SAR (measured) = 0.676 W/kg



0 dB = 0.676 W/kg = -1.70 dBW/kg

Verification Data (835 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.0 ℃
Test Date:	05/30/2023

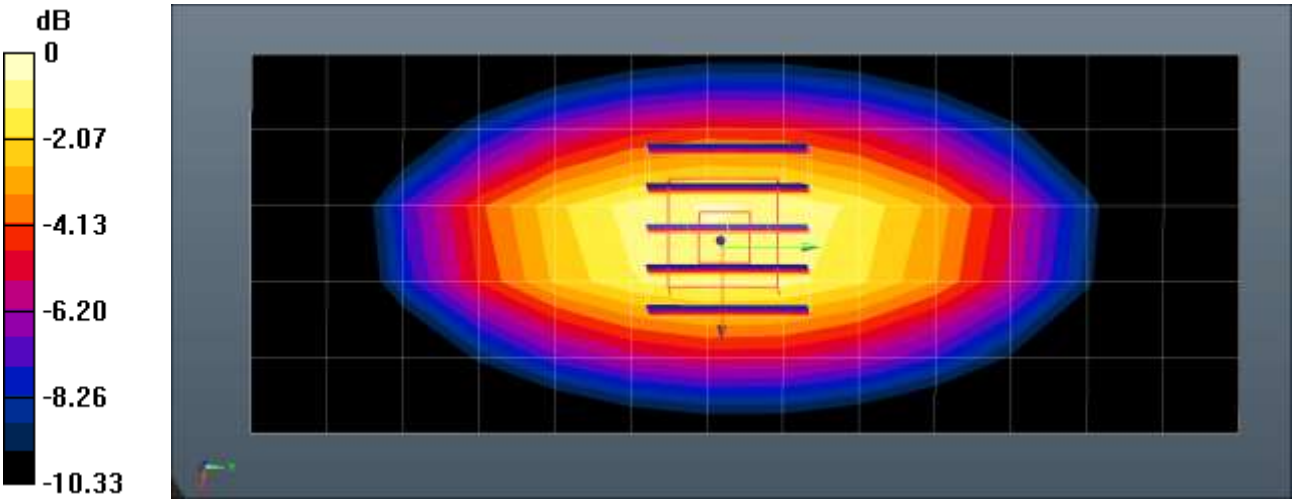
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.92 S/m; ε_r = 41.756; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 835 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.599 W/kg

835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.67 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.761 W/kg
SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.348 W/kg
Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg = -1.63 dBW/kg

Verification Data (835 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.1 ℃
Test Date:	06/03/2023

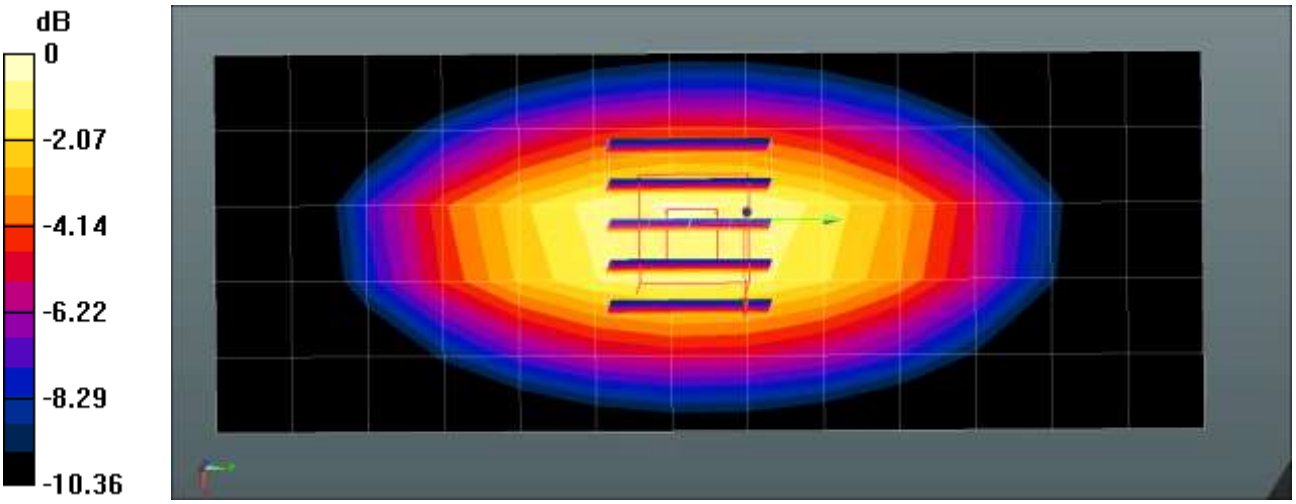
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.924 S/m; ε_r = 41.785; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 835 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.604 W/kg

835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.61 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.760 W/kg
SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.349 W/kg
Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.687 W/kg = -1.63 dBW/kg

Verification Data (1 800 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.2 ℃
Test Date:	06/22/2023

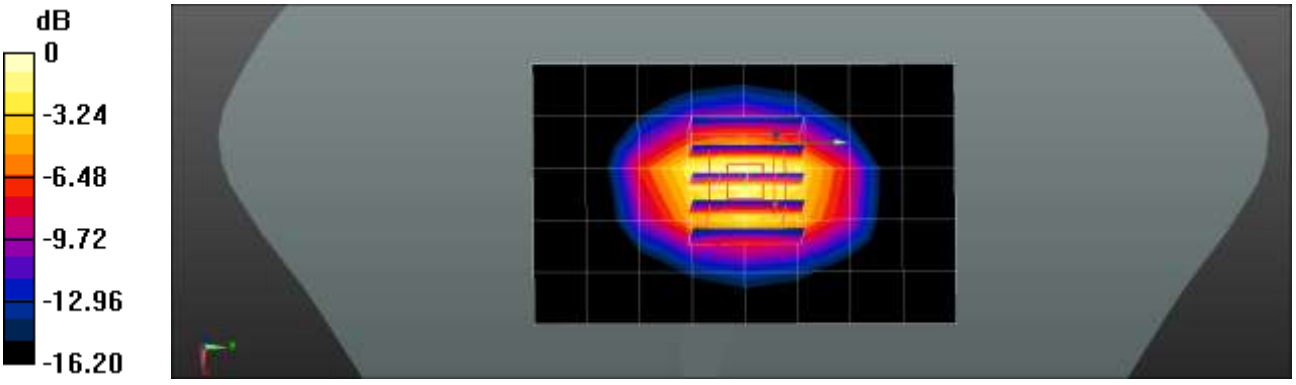
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.418 S/m; ε_r = 41.137; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1800 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.46 W/kg

1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.95 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.08 W/kg
Maximum value of SAR (measured) = 3.00 W/kg



0 dB = 3.00 W/kg = 4.77 dBW/kg

Verification Data (1 800 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.7 ℃
Test Date:	07/06/2023

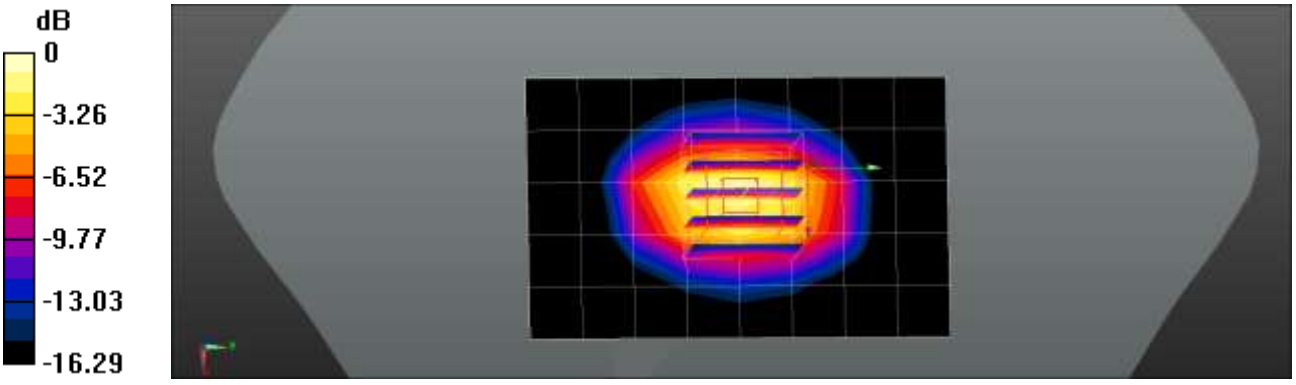
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.408 S/m; ε_r = 41.102; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1800 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.42 W/kg

1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.45 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.07 W/kg
Maximum value of SAR (measured) = 3.00 W/kg



0 dB = 3.00 W/kg = 4.77 dBW/kg

Verification Data (1 800 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.4 ℃
Test Date:	06/30/2023

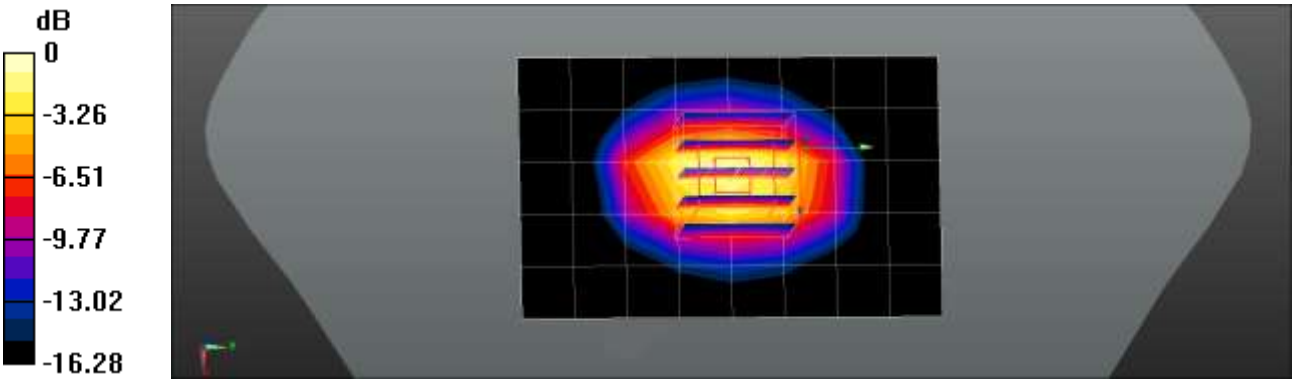
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.405 S/m; ε_r = 41.003; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1800 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.39 W/kg

1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.45 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.43 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.07 W/kg
Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

Verification Data (1 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.0 ℃
Test Date:	07/04/2023

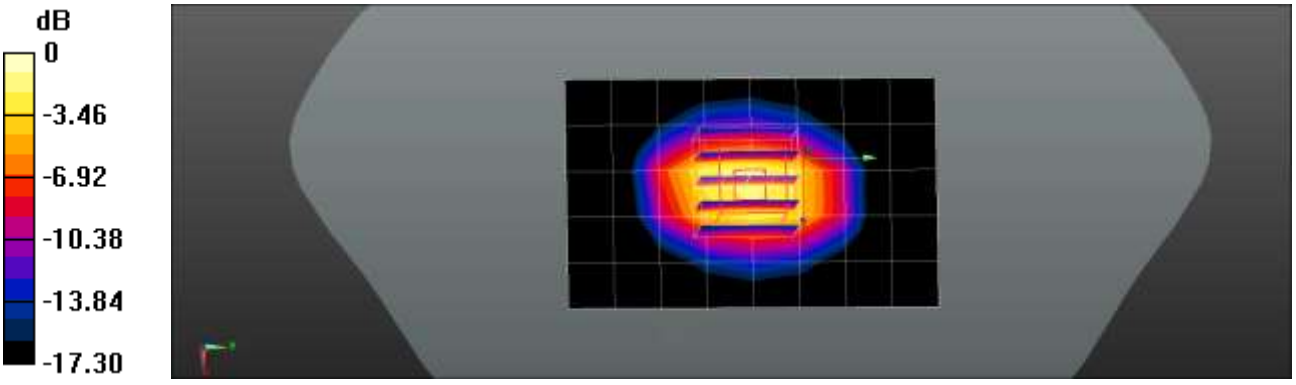
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.416 S/m; ε_r = 41.314; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1900 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.22 W/kg

1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.36 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.61 W/kg
SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.1 W/kg
Maximum value of SAR (measured) = 3.12 W/kg



0 dB = 3.12 W/kg = 4.94 dBW/kg

Verification Data (1 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.2 ℃
Test Date:	06/22/2023

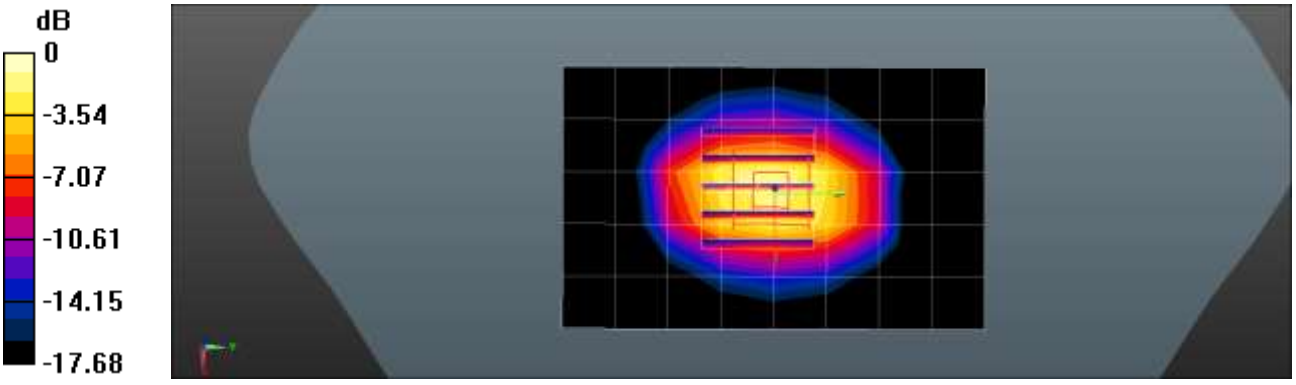
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.426 S/m; ε_r = 41.34; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1900 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.23 W/kg

1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.34 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.61 W/kg
SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.1 W/kg
Maximum value of SAR (measured) = 3.07 W/kg



0 dB = 3.07 W/kg = 4.87 dBW/kg

Verification Data (1 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.1 ℃
Test Date:	09/15/2023

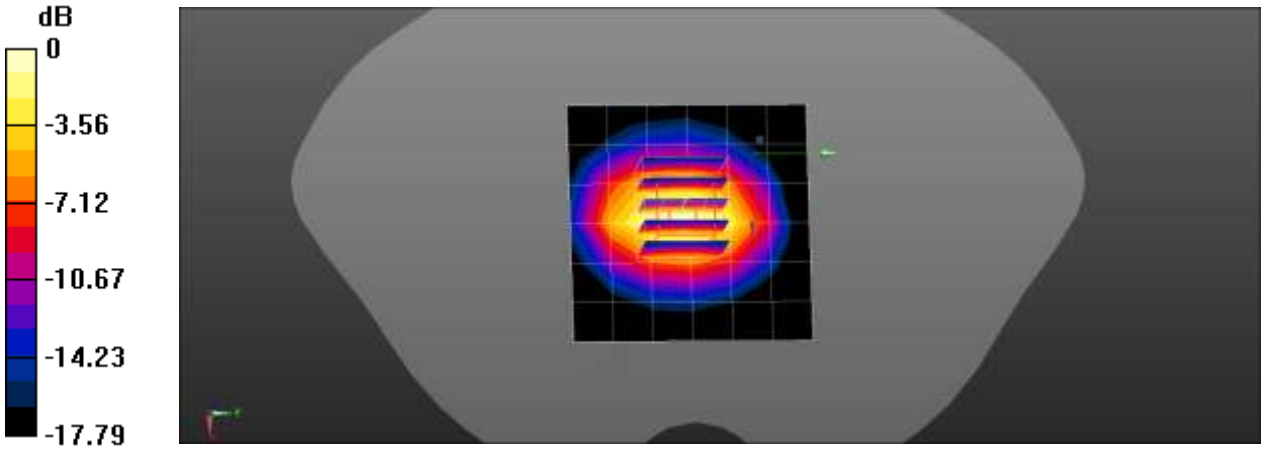
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.416 S/m; ε_r = 41.237; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(8.19, 7.47, 8.43) @ 1900 MHz; Calibrated: 2023-06-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1464; Calibrated: 2023-06-16
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

1900MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.69 W/kg

1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.73 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.32 W/kg
SAR(1 g) = 1.84 W/kg; SAR(10 g) = 0.984 W/kg
Maximum value of SAR (measured) = 2.81 W/kg



0 dB = 2.81 W/kg = 4.49 dBW/kg

Verification Data (1 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.2 ℃
Test Date:	07/03/2023

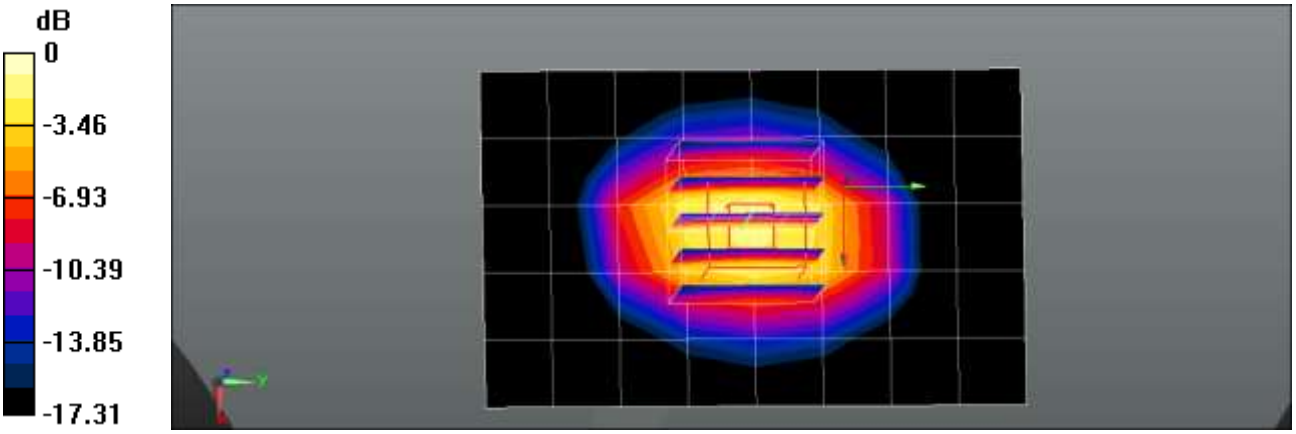
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.427 S/m; ε_r = 41.372; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1900 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.24 W/kg

1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.27 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.63 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.11 W/kg
Maximum value of SAR (measured) = 3.12 W/kg



0 dB = 3.12 W/kg = 4.94 dBW/kg

Verification Data (2 300 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.2 ℃
Test Date:	06/22/2023

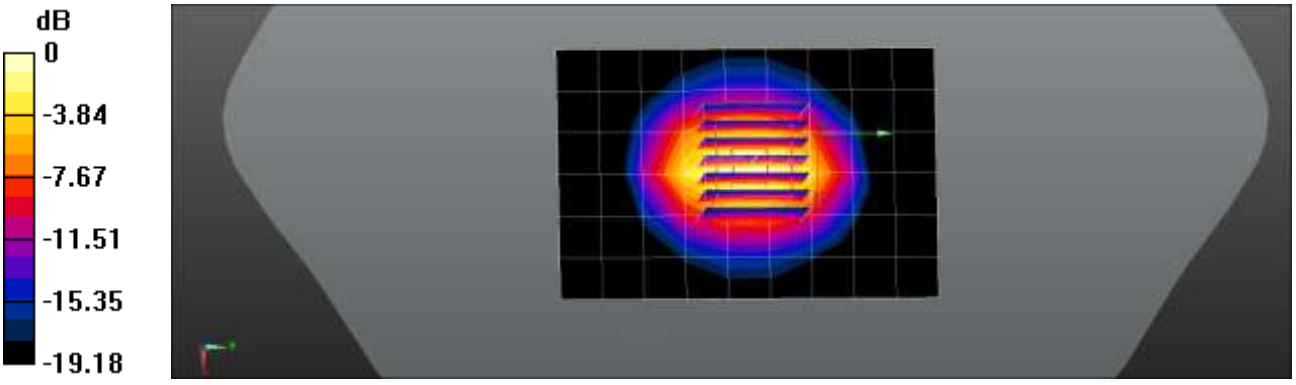
Communication System: UID 0, CW (0); Frequency: 2300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2300 MHz; σ = 1.71 S/m; ε_r = 39.928; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.58, 8.04, 7.88) @ 2300 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2300MHz Head Verification/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.62 W/kg

2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.79 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 4.80 W/kg
SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.26 W/kg
Maximum value of SAR (measured) = 4.07 W/kg



0 dB = 4.07 W/kg = 6.10 dBW/kg

Verification Data (2 450 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.2 ℃
Test Date:	06/30/2023

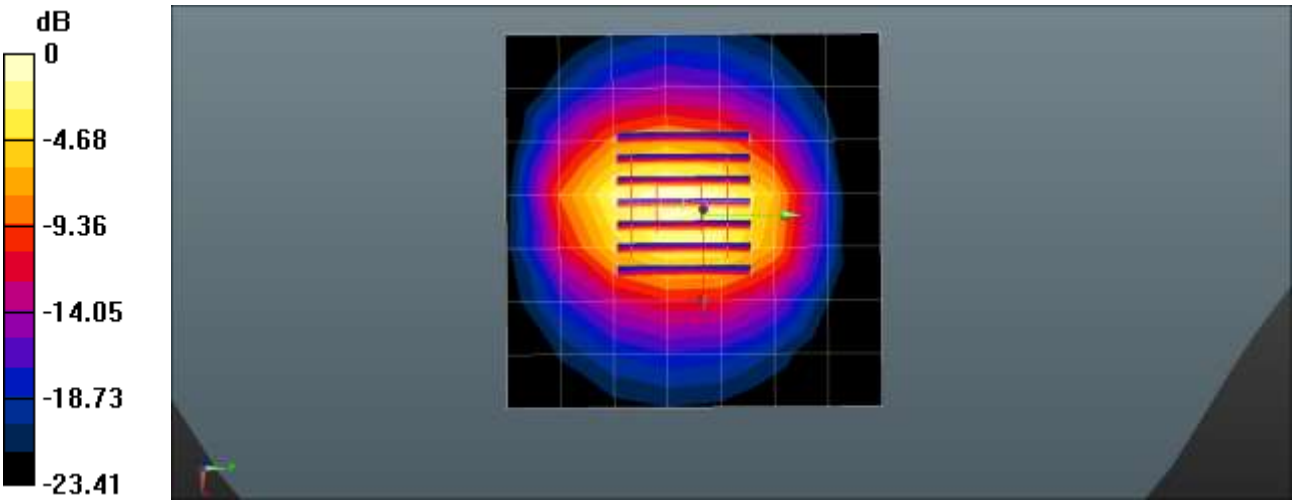
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.838 S/m; ε_r = 39.144; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2450 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

2450MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.14 W/kg

2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.26 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 5.73 W/kg
SAR(1 g) = 2.67 W/kg; SAR(10 g) = 1.22 W/kg
Maximum value of SAR (measured) = 4.56 W/kg



0 dB = 4.56 W/kg = 6.59 dBW/kg

Verification Data (2 450 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.7 ℃
Test Date:	06/09/2023

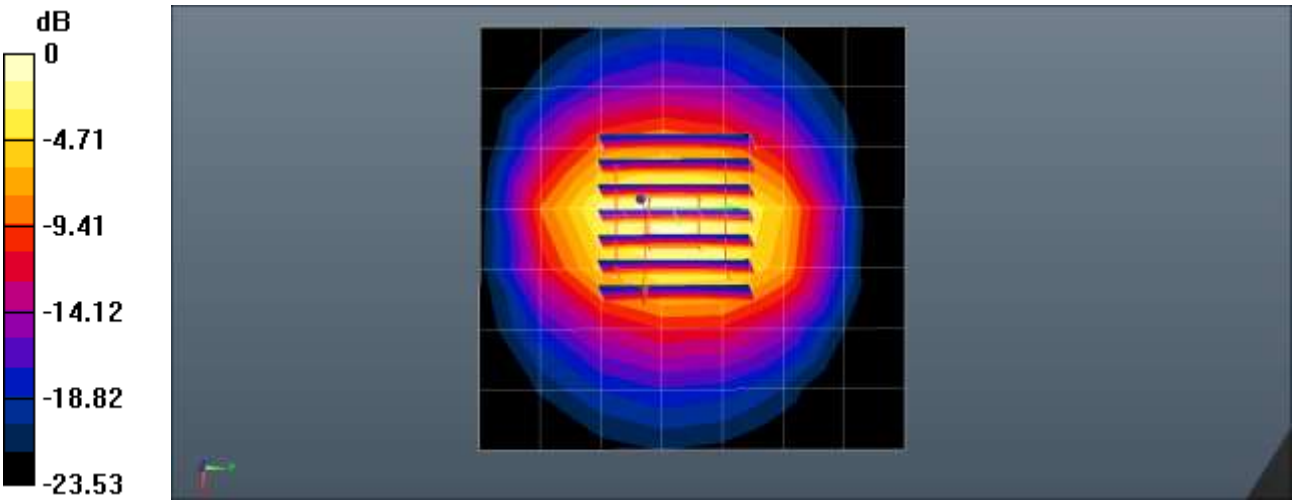
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.843 S/m; ε_r = 39.167; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2450 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

2450MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.15 W/kg

2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.08 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 5.72 W/kg
SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.23 W/kg
Maximum value of SAR (measured) = 4.57 W/kg



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

Verification Data (2 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.2 ℃
Test Date:	07/03/2023

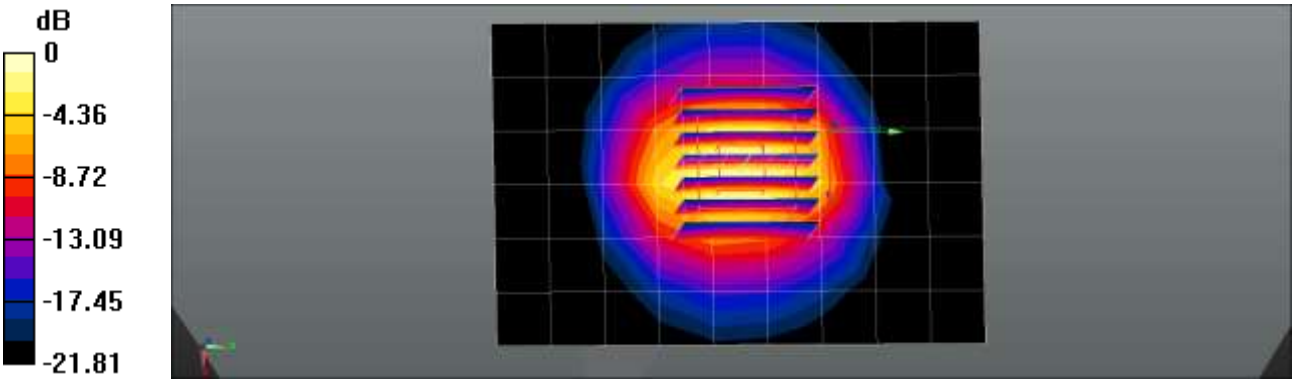
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.027 S/m; ε_r = 39.206; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2600 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.08 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.68 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 5.87 W/kg
SAR(1 g) = 2.94 W/kg; SAR(10 g) = 1.35 W/kg
Maximum value of SAR (measured) = 4.85 W/kg



0 dB = 4.85 W/kg = 6.86 dBW/kg

Verification Data (2 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.5 ℃
Test Date:	09/07/2023

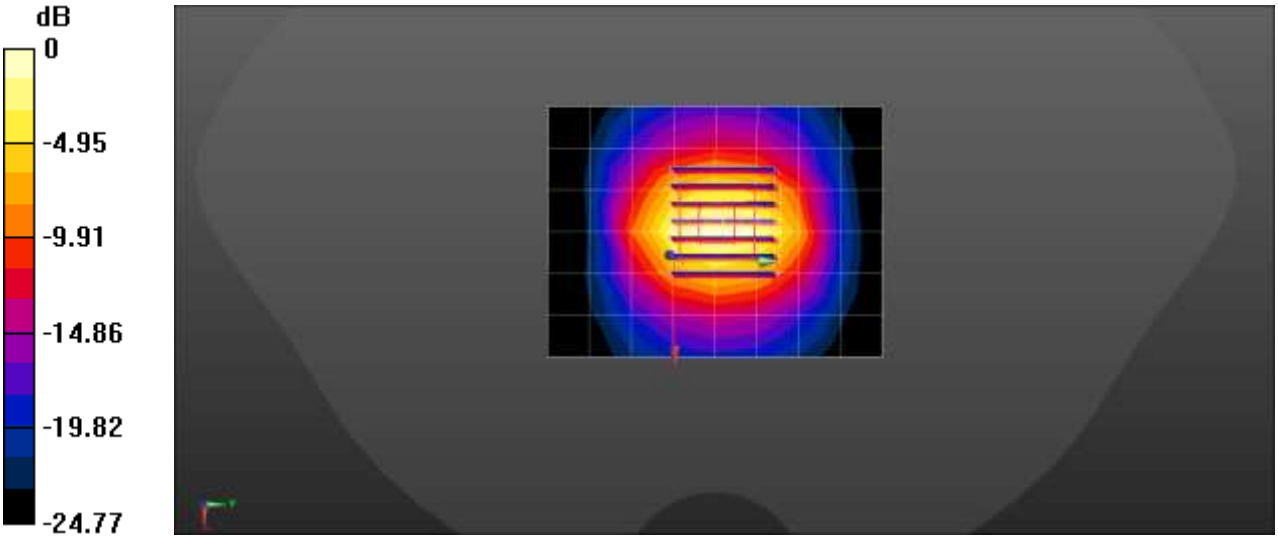
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.035 S/m; ε_r = 38.105; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(7.7, 7.06, 7.97) @ 2600 MHz; Calibrated: 6/19/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; Calibrated: 11/16/2022
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 Ax; Serial: 2014
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2600MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.58 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.85 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 5.84 W/kg
SAR(1 g) = 2.65 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 4.56 W/kg



0 dB = 4.56 W/kg = 6.59 dBW/kg

Verification Data (2 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.1 ℃
Test Date:	07/05/2023

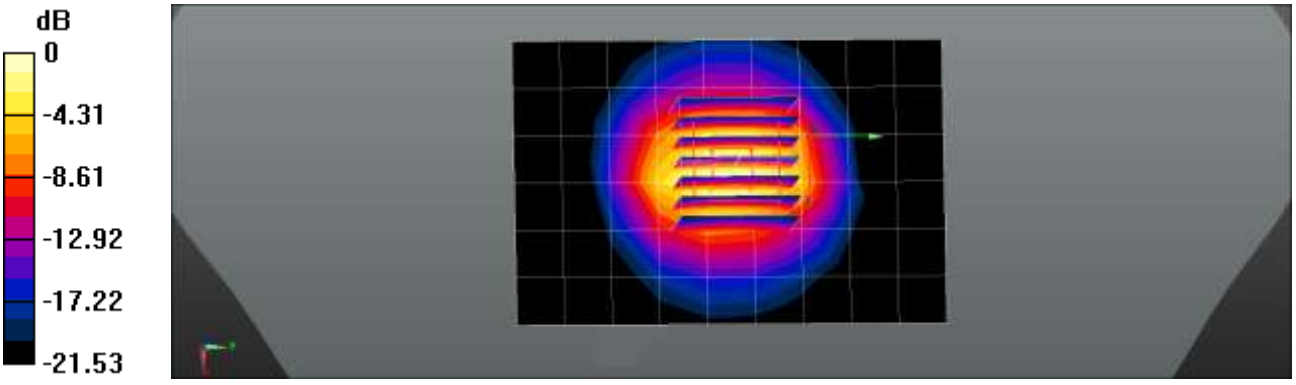
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.028 S/m; ε_r = 39.29; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2600 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.04 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.39 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 5.84 W/kg
SAR(1 g) = 2.92 W/kg; SAR(10 g) = 1.35 W/kg
Maximum value of SAR (measured) = 4.83 W/kg



0 dB = 4.83 W/kg = 6.84 dBW/kg

Verification Data (3 500 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.0 ℃
Test Date:	09/04/2023

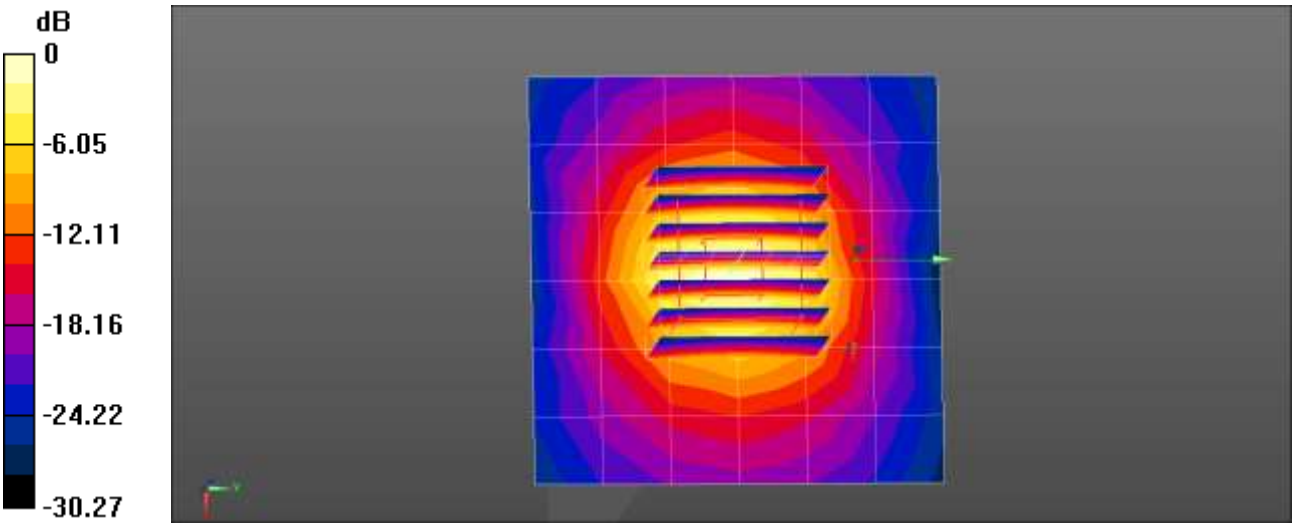
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 2.978 S/m; ε_r = 38.063; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.27, 7.27, 7.27) @ 3500 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right
- Measurement SW: DASY52, Version 52.10 (4);

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.93 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 47.19 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 8.20 W/kg
SAR(1 g) = 3.19 W/kg; SAR(10 g) = 1.22 W/kg
Maximum value of SAR (measured) = 6.17 W/kg



0 dB = 6.17 W/kg = 7.90 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.0 ℃
Test Date:	09/04/2023

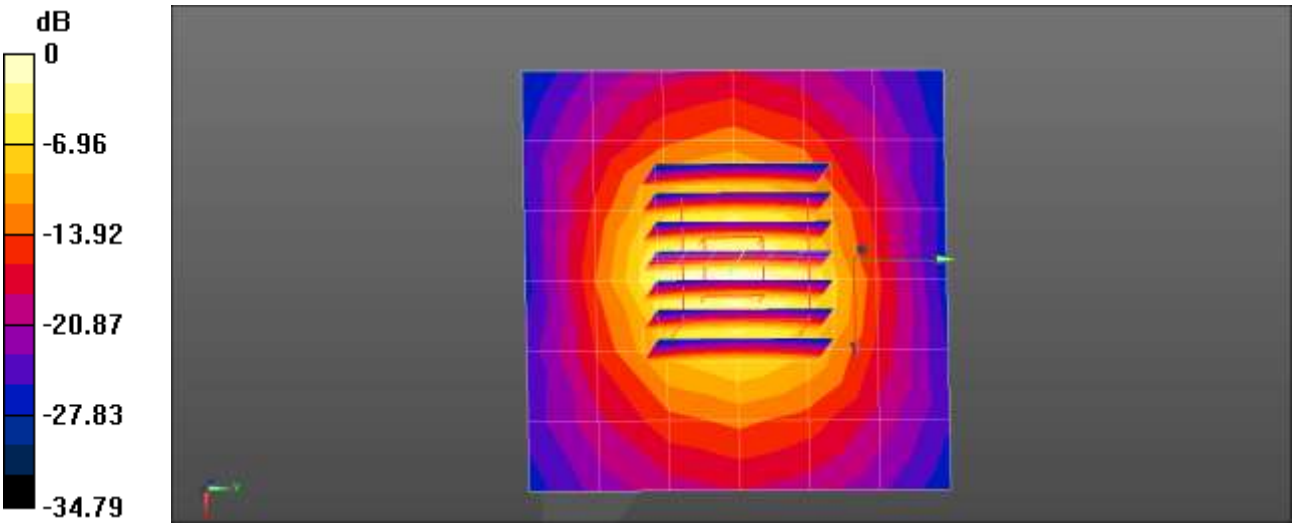
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.137 S/m; ε_r = 37.523; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3700 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right
- Measurement SW: DASY52, Version 52.10 (4);

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.22 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 47.18 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 8.51 W/kg
SAR(1 g) = 3.18 W/kg; SAR(10 g) = 1.19 W/kg
Maximum value of SAR (measured) = 6.30 W/kg



0 dB = 6.30 W/kg = 7.99 dBW/kg

Verification Data (5 250 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.0 ℃
Test Date:	07/03/2023

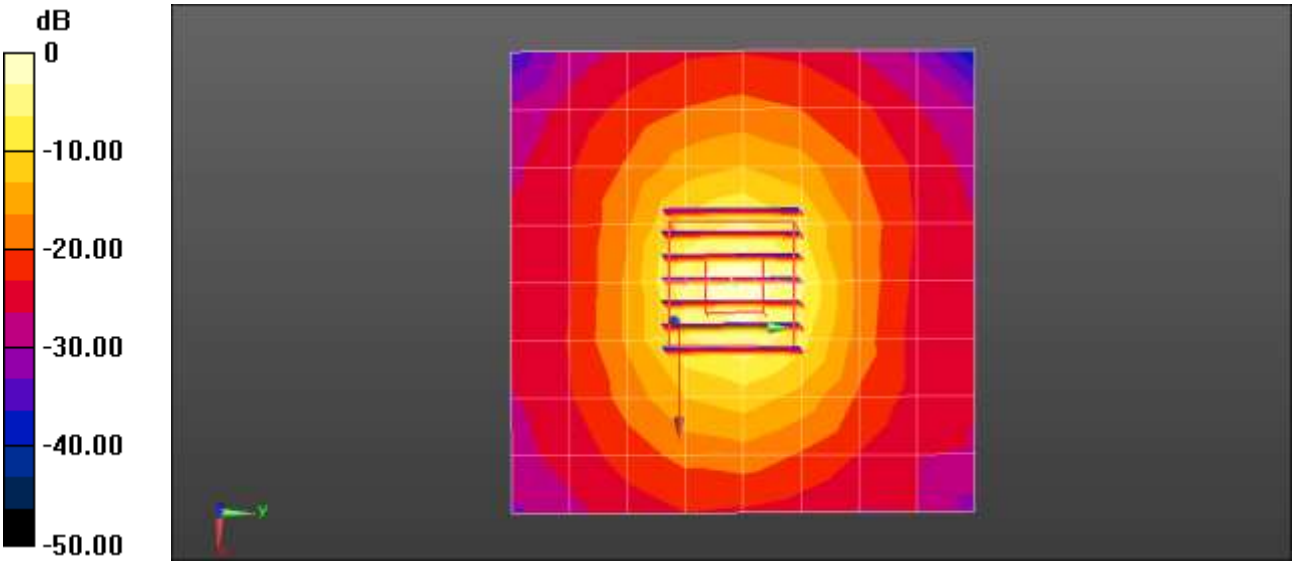
Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 4.668 S/m; ε_r = 35.599; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(5.59, 5.59, 5.59) @ 5250 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5250MHz Head Verification/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.58 W/kg

5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.83 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 15.1 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.08 W/kg
Maximum value of SAR (measured) = 9.59 W/kg



0 dB = 9.59 W/kg = 9.82 dBW/kg

Verification Data (5 250 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	07/21/2023

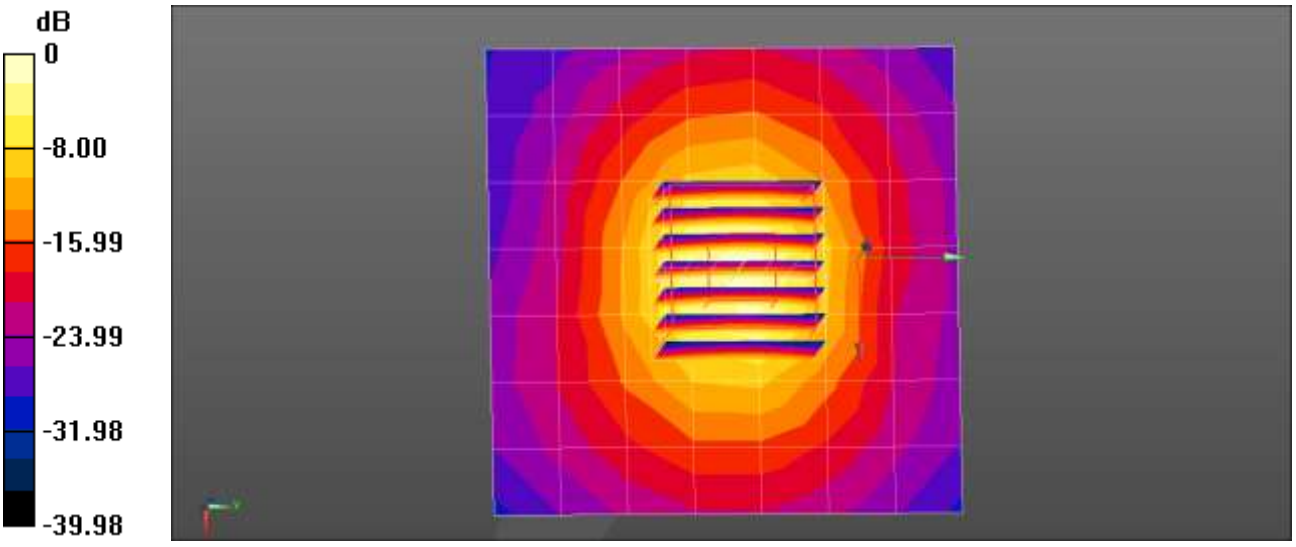
Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 4.668 S/m; ε_r = 35.675; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(5.6, 5.6, 5.6) @ 5250 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

5250MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 6.67 W/kg

5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.66 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 4.23 W/kg; SAR(10 g) = 1.22 W/kg
Maximum value of SAR (measured) = 10.3 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg

Verification Data (5 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.0 ℃
Test Date:	07/03/2023

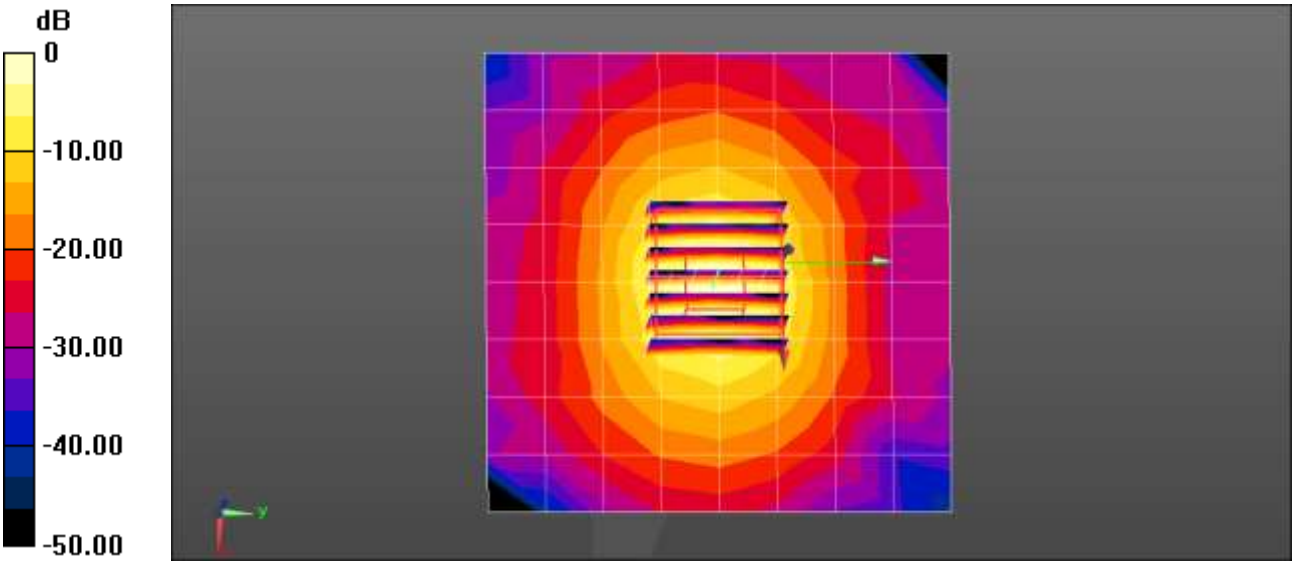
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 4.978 S/m; ε_r = 35.083; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(4.84, 4.84, 4.84) @ 5600 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5600MHz Head Verification/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.67 W/kg

5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 48.45 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 16.4 W/kg
SAR(1 g) = 3.76 W/kg; SAR(10 g) = 1.07 W/kg
Maximum value of SAR (measured) = 9.85 W/kg



0 dB = 9.85 W/kg = 9.93 dBW/kg

Verification Data (5 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	07/21/2023

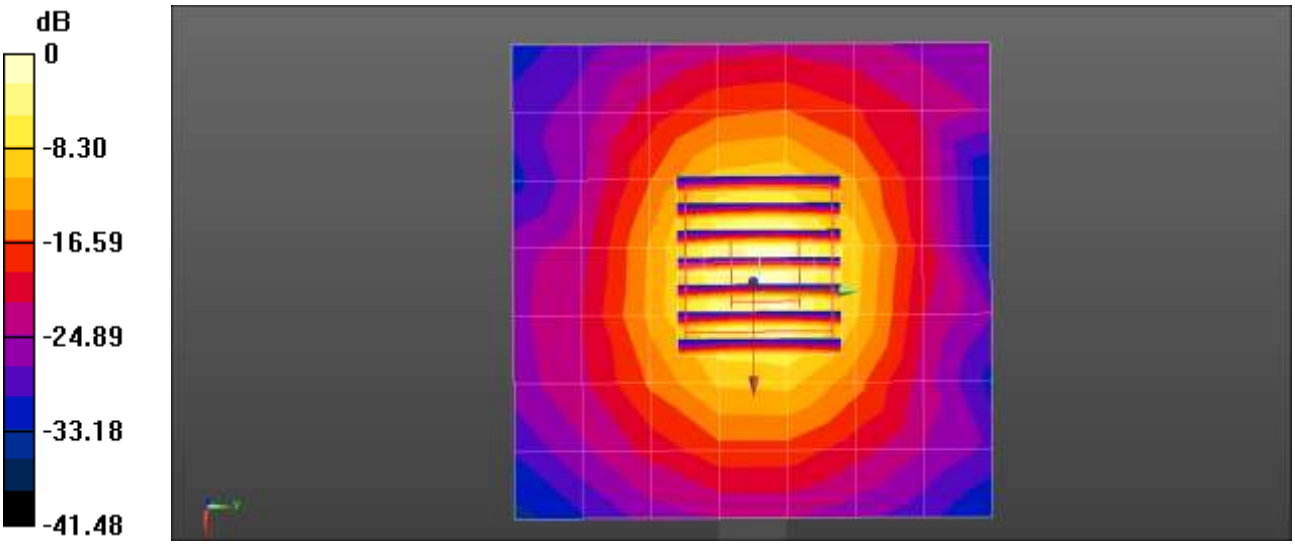
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5 S/m; ε_r = 35.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(5.09, 5.09, 5.09) @ 5600 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

5600MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.14 W/kg

5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.72 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 4.34 W/kg; SAR(10 g) = 1.24 W/kg
Maximum value of SAR (measured) = 11.0 W/kg



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

Verification Data (5 750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.0 ℃
Test Date:	07/03/2023

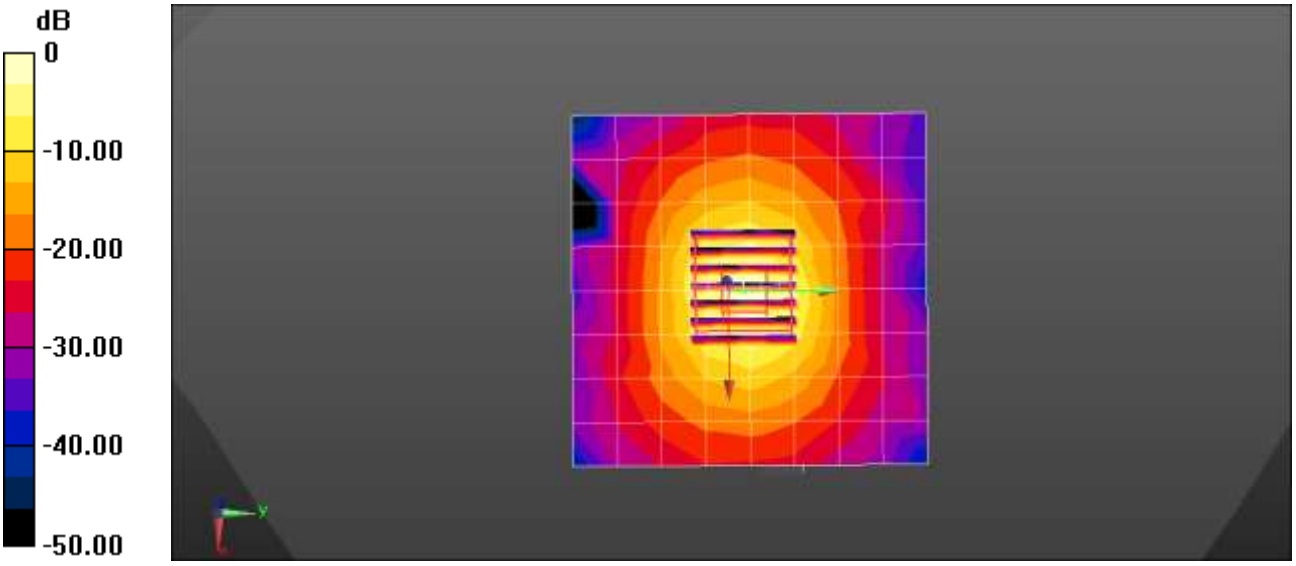
Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 5.224 S/m; ε_r = 34.822; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(4.98, 4.98, 4.98) @ 5750 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

5750MHz Head Verification/Area Scan (9x9x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.31 W/kg

5750MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 46.75 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.04 W/kg
Maximum value of SAR (measured) = 9.62 W/kg



0 dB = 9.62 W/kg = 9.83 dBW/kg

Verification Data (5 750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	07/21/2023

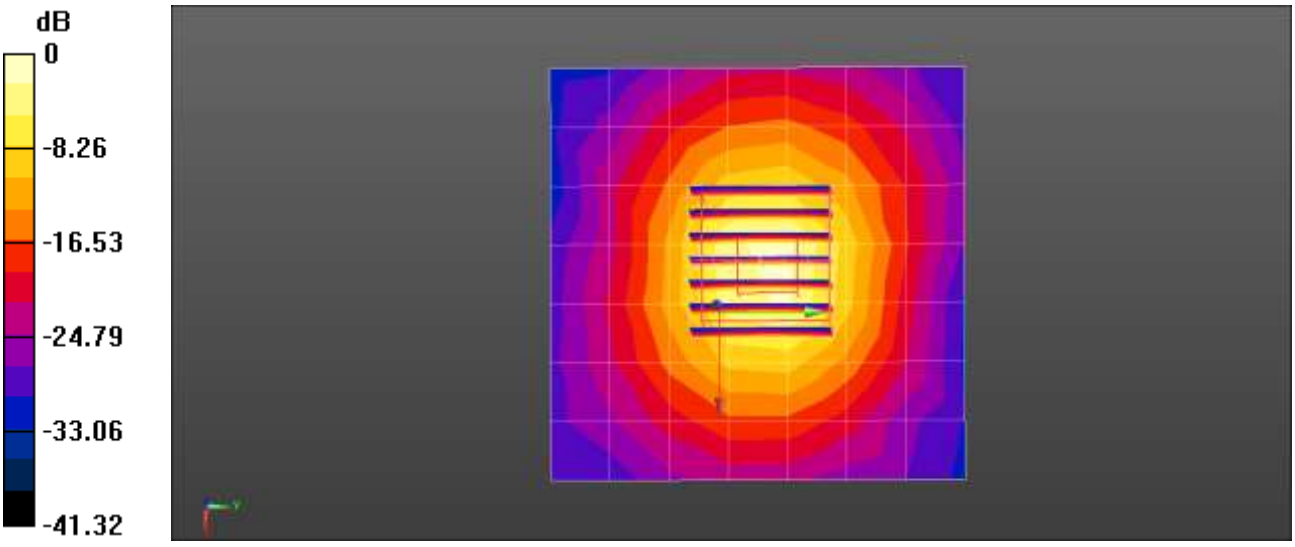
Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 5.231 S/m; ε_r = 34.901; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(5.2, 5.2, 5.2) @ 5750 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

5750MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 6.74 W/kg

5750MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 47.92 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 1.14 W/kg
Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 10.2 W/kg = 10.09 dBW/kg

* 5G NR Band

Verification Data (750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.4 ℃
Test Date:	06/14/2023

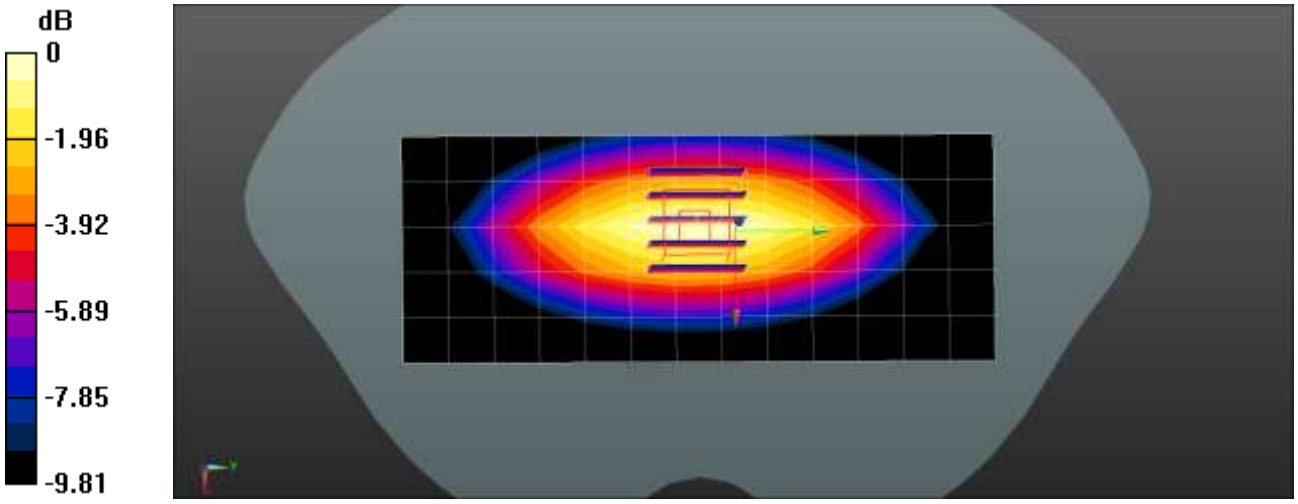
Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.909 S/m; ε_r = 42.241; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.79, 9.79, 9.79) @ 750 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.533 W/kg

750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.07 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.596 W/kg
SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.280 W/kg
Maximum value of SAR (measured) = 0.539 W/kg



0 dB = 0.539 W/kg = -2.68 dBW/kg

Verification Data (835 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.5 ℃
Test Date:	06/13/2023

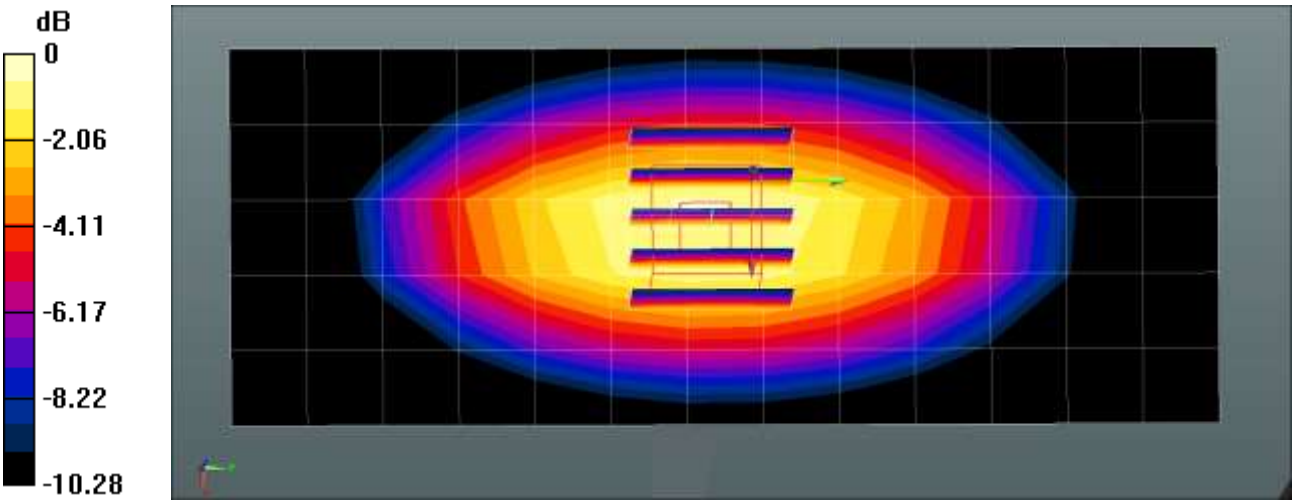
Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.919 S/m; ε_r = 41.689; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.59, 9.59, 9.59) @ 835 MHz; Calibrated: 2022-08-19
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2023-03-23
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.588 W/kg

835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.31 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.514 W/kg; SAR(10 g) = 0.343 W/kg.
Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg = -1.74 dBW/kg

Verification Data (1 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6 ℃
Test Date:	06/13/2023

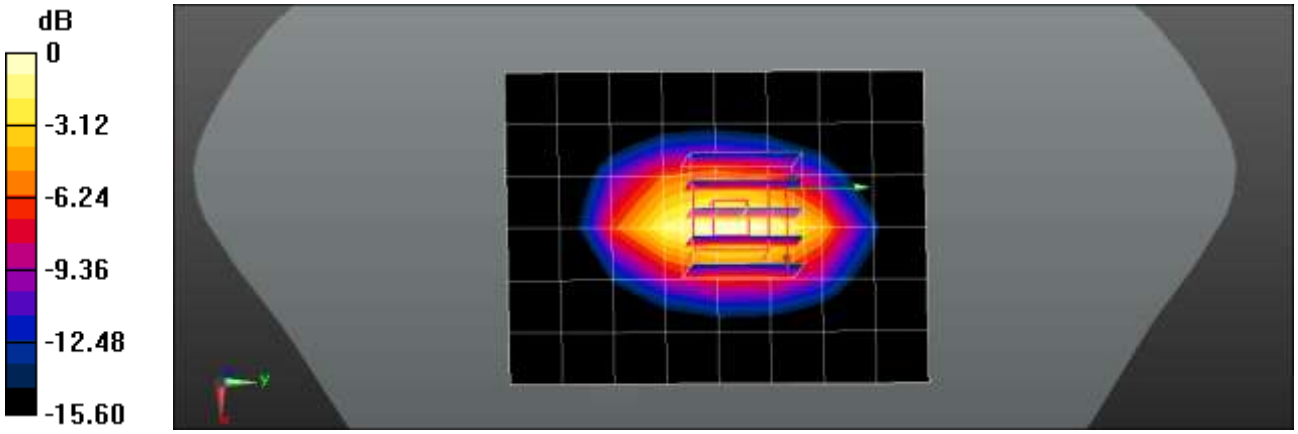
Communication System: UID 0, CW (0); Frequency: 1640 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1640 MHz; σ = 1.248 S/m; ε_r = 41.672; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.14, 8.78, 8.71) @ 1640 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1640MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.34 W/kg

1640MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.58 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.69 W/kg
SAR(1 g) = 1.65 W/kg; SAR(10 g) = 0.923 W/kg
Maximum value of SAR (measured) = 2.38 W/kg



0 dB = 2.38 W/kg = 3.77 dBW/kg

Verification Data (1 800 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.2 ℃
Test Date:	06/12/2023

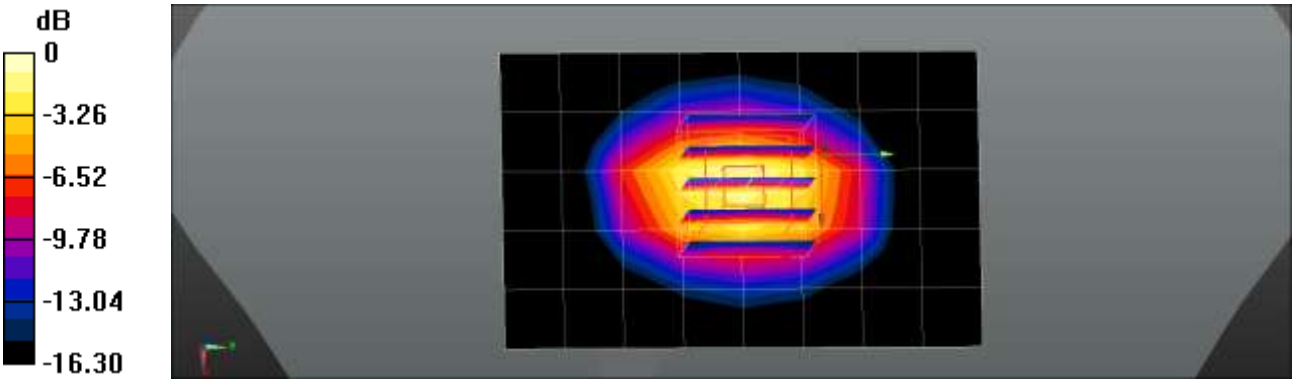
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.408 S/m; ε_r = 41.102; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(8.19, 8.75, 8.46) @ 1800 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1800MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.40 W/kg

1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.51 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.07 W/kg
Maximum value of SAR (measured) = 3.00 W/kg



0 dB = 3.00 W/kg = 4.77 dBW/kg

Verification Data (1 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.0 ℃
Test Date:	06/09/2023

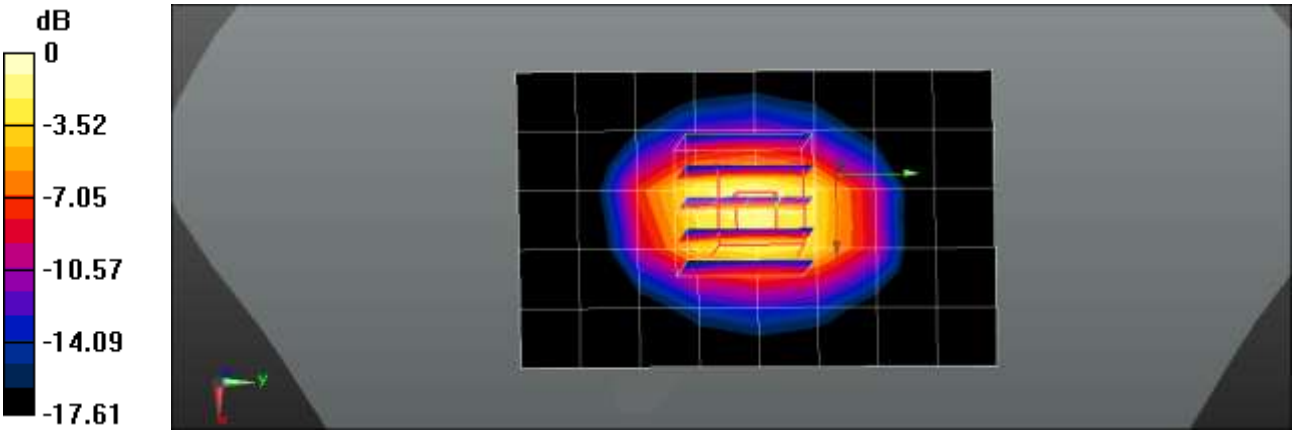
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.43 S/m; ε_r = 41.381; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.83, 8.3, 8.1) @ 1900 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.23 W/kg

1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.51 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 3.63 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.11 W/kg
Maximum value of SAR (measured) = 3.07 W/kg



0 dB = 3.07 W/kg = 4.87 dBW/kg

Verification Data (2 300 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.2 ℃
Test Date:	06/08/2023

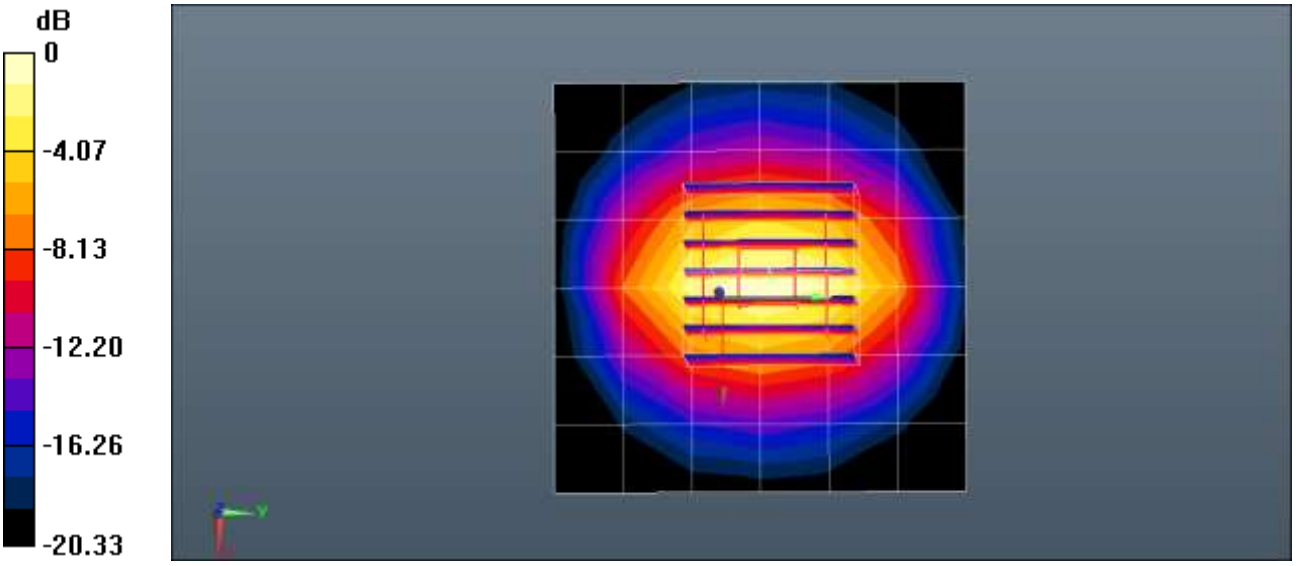
Communication System: UID 0, CW (0); Frequency: 2300 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2300 MHz; σ = 1.712 S/m; ε_r = 39.966; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.58, 8.04, 7.88) @ 2300 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2300MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.54 W/kg

2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 48.29 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 4.38 W/kg
SAR(1 g) = 2.28 W/kg; SAR(10 g) = 1.11 W/kg
Maximum value of SAR (measured) = 3.65 W/kg



0 dB = 3.65 W/kg = 5.62 dBW/kg

Verification Data (2 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.1 ℃
Test Date:	07/10/2023

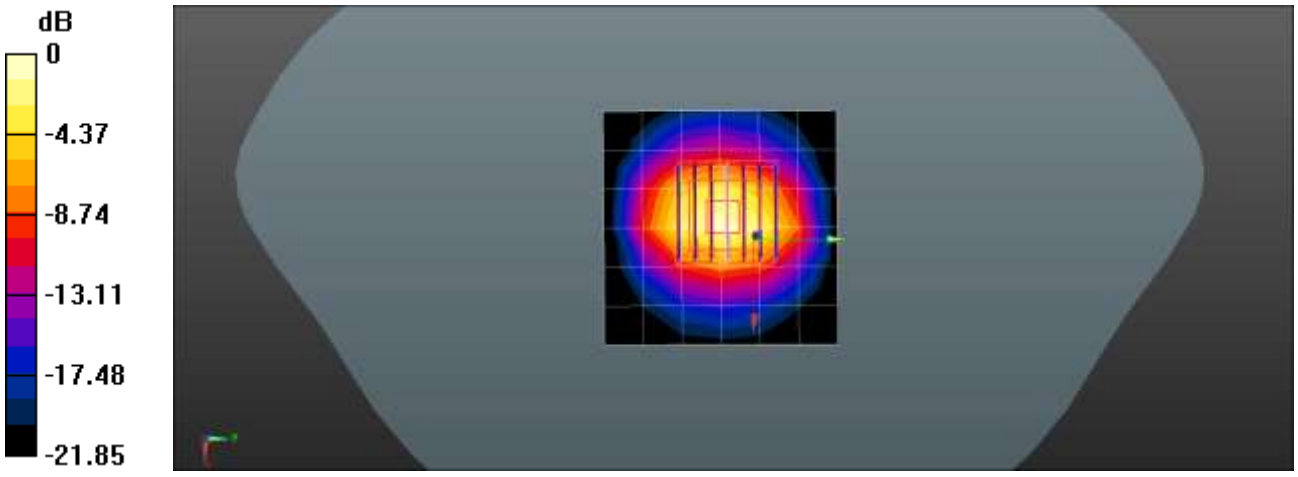
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.02 S/m; ε_r = 39.284; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.42, 7.88, 7.75) @ 2600 MHz; Calibrated: 2023-05-25
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: SAM with CRP v5.0_Front; Type: QD000P40CD; Serial: TP:xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

2600MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.49 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.14 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 5.90 W/kg
SAR(1 g) = 2.94 W/kg; SAR(10 g) = 1.35 W/kg
Maximum value of SAR (measured) = 4.85 W/kg



0 dB = 4.85 W/kg = 6.86 dBW/kg

Verification Data (2 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.5 ℃
Test Date:	09/07/2023

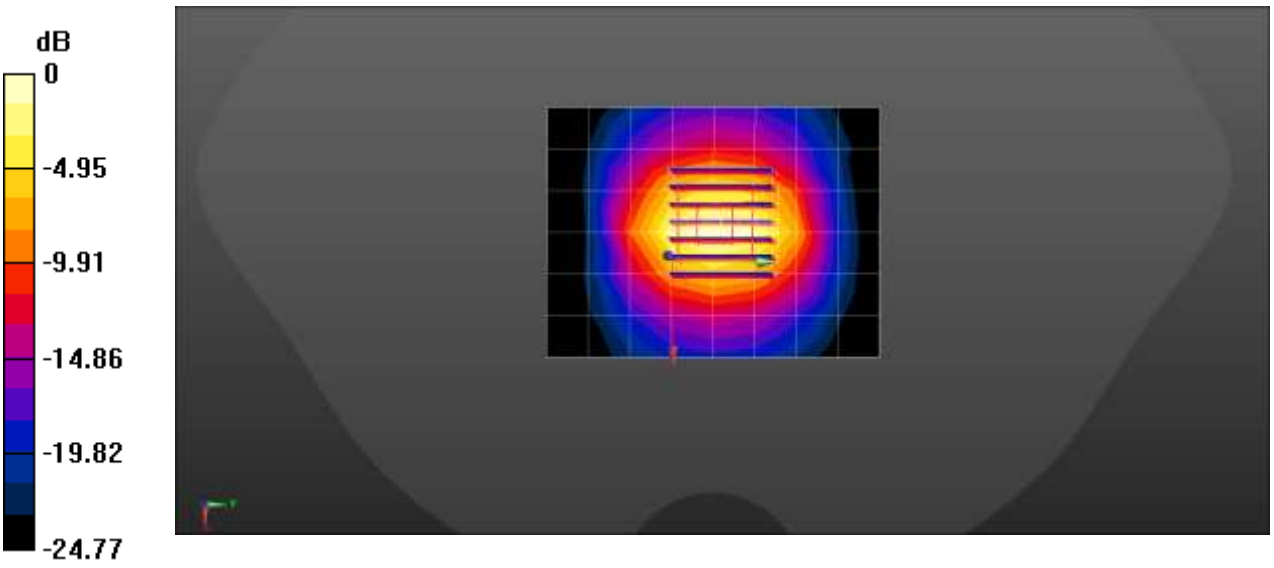
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.035 S/m; ε_r = 38.105; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7309; ConvF(7.7, 7.06, 7.97) @ 2600 MHz; Calibrated: 6/19/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn446; Calibrated: 11/16/2022
- Phantom: Twin-SAM V8.0 (Left); Type: QD 000 P41 Ax; Serial: 2014
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2600MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.58 W/kg

2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.85 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 5.84 W/kg
SAR(1 g) = 2.65 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 4.56 W/kg



0 dB = 4.56 W/kg = 6.59 dBW/kg

Verification Data (3 500 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.2 ℃
Test Date:	09/05/2023

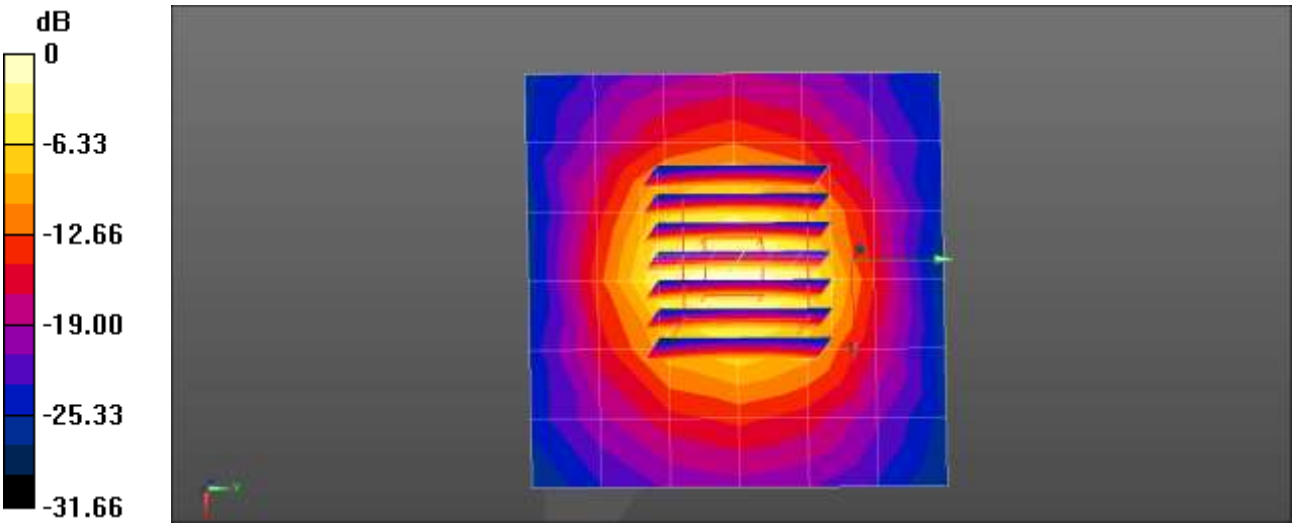
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 2.982 S/m; ε_r = 38.105; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.27, 7.27, 7.27) @ 3500 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right
- Measurement SW: DASY52, Version 52.10 (4);

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.34 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.61 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 8.56 W/kg
SAR(1 g) = 3.35 W/kg; SAR(10 g) = 1.28 W/kg
Maximum value of SAR (measured) = 6.46 W/kg



0 dB = 6.46 W/kg = 8.10 dBW/kg

Verification Data (3500 MHz Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.1 ℃
Test Date:	07/17/2023

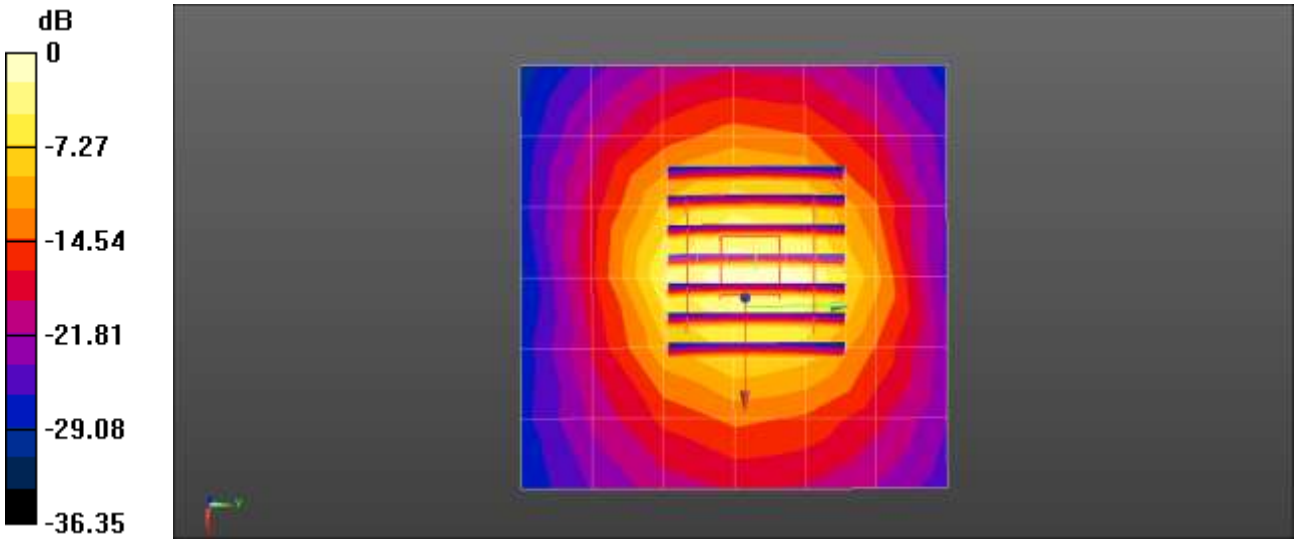
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 2.995 S/m; ε_r = 38.151; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.2, 7.2, 7.2) @ 3500 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.29 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.50 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 8.98 W/kg
SAR(1 g) = 3.27 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 6.59 W/kg



0 dB = 6.59 W/kg = 8.19 dBW/kg

Verification Data (3 500 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.3 ℃
Test Date:	07/18/2023

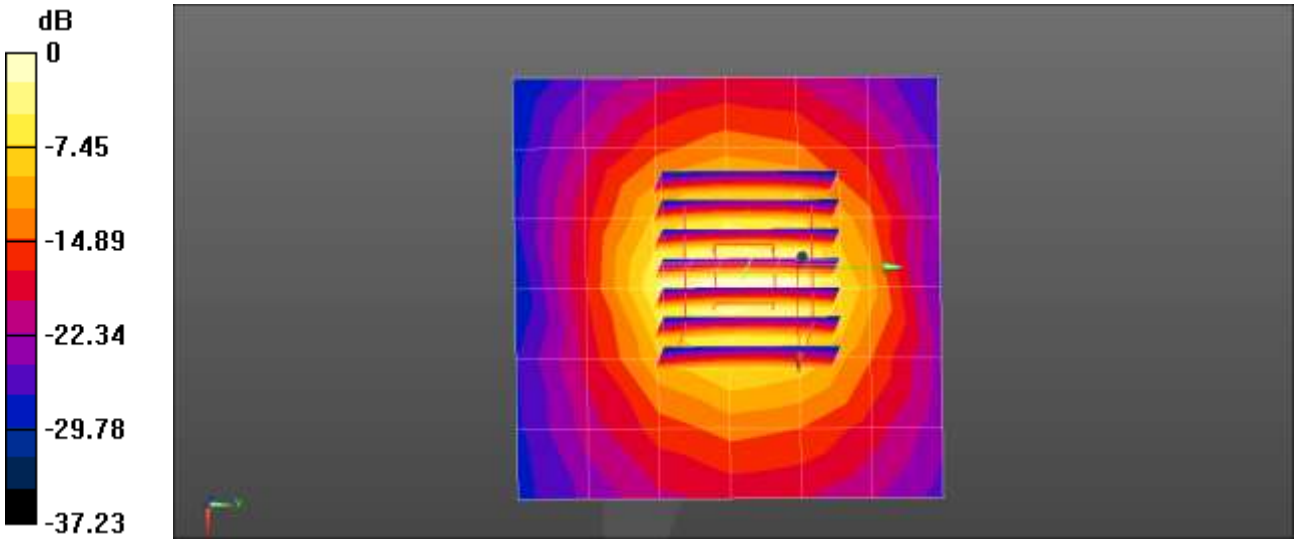
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 3.014 S/m; ε_r = 38.08; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.2, 7.2, 7.2) @ 3500 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.34 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.29 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 8.96 W/kg
SAR(1 g) = 3.28 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 6.58 W/kg



0 dB = 6.58 W/kg = 8.18 dBW/kg

Verification Data (3 500 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.2 ℃
Test Date:	07/04/2023

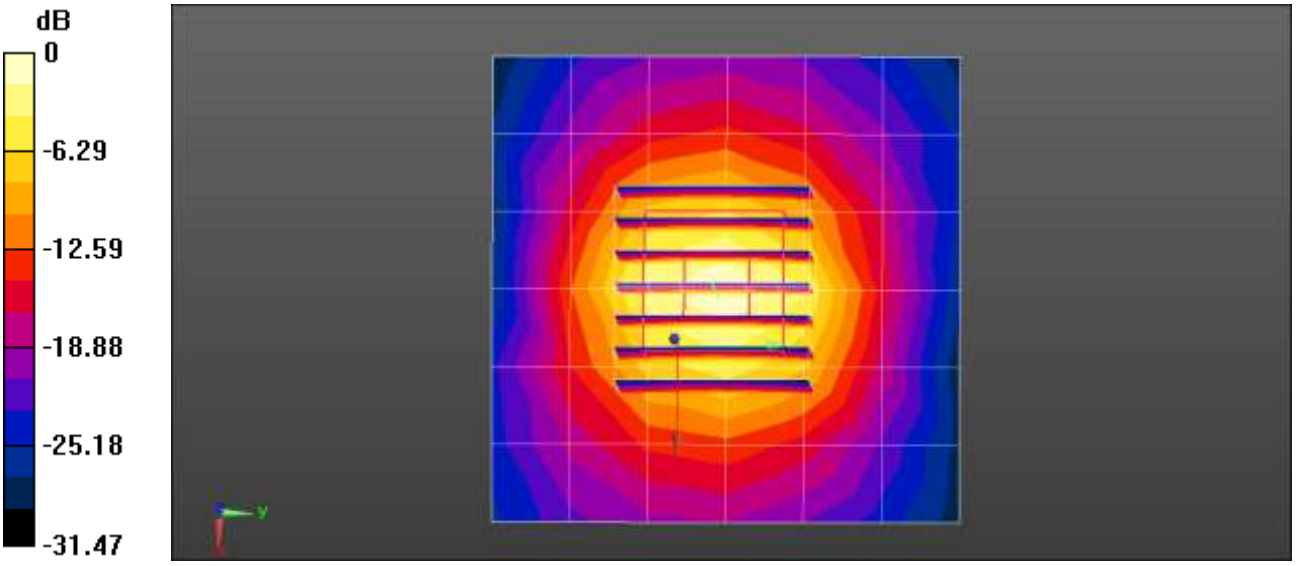
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 3.005 S/m; ε_r = 38.155; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.27, 7.27, 7.27) @ 3500 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.39 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.74 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 8.64 W/kg
SAR(1 g) = 3.34 W/kg; SAR(10 g) = 1.28 W/kg
Maximum value of SAR (measured) = 6.48 W/kg



0 dB = 6.48 W/kg = 8.12 dBW/kg

Verification Data (3 500 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.5 ℃
Test Date:	07/19/2023

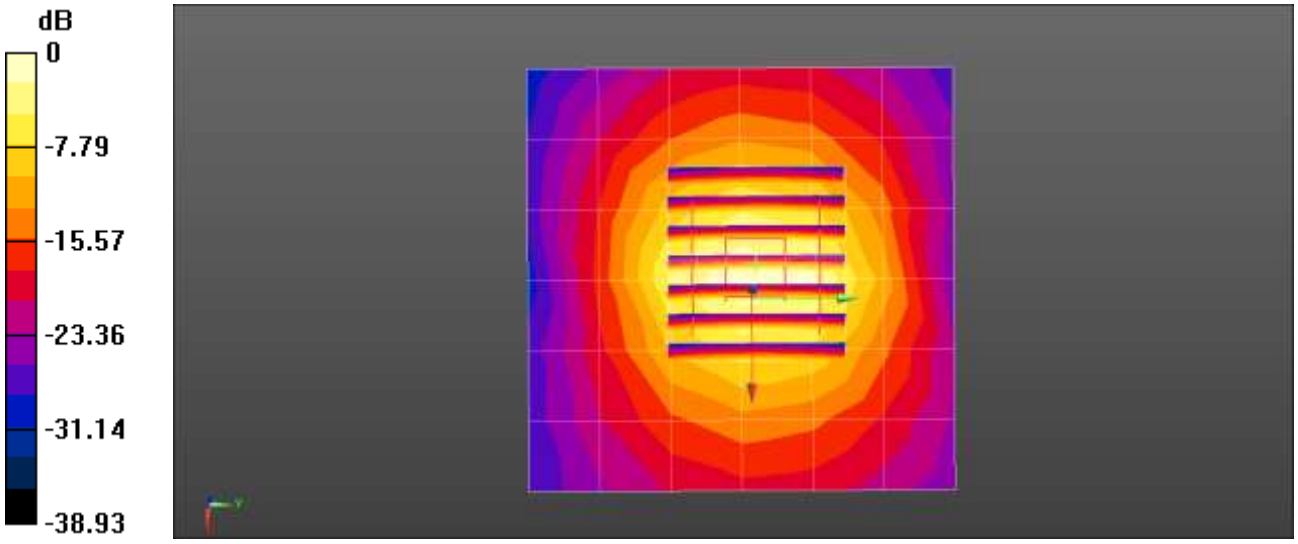
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 2.998 S/m; ε_r = 38.063; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.2, 7.2, 7.2) @ 3500 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.30 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.52 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 8.95 W/kg
SAR(1 g) = 3.26 W/kg; SAR(10 g) = 1.2 W/kg
Maximum value of SAR (measured) = 6.57 W/kg



0 dB = 6.57 W/kg = 8.18 dBW/kg

Verification Data (3 500 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.5 ℃
Test Date:	07/20/2023

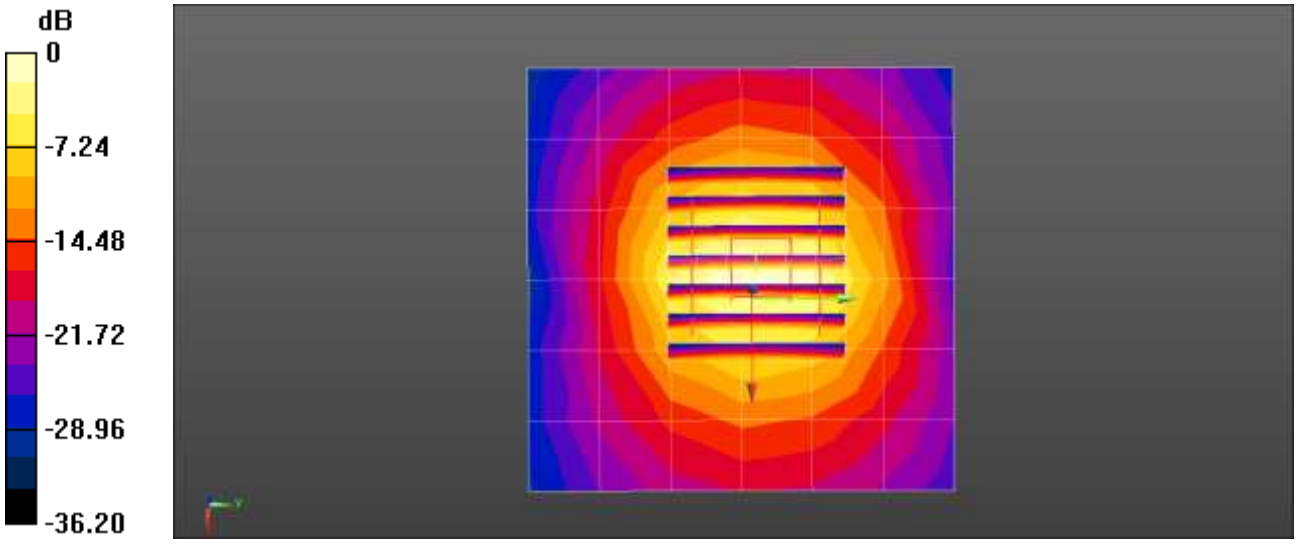
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 2.983 S/m; ε_r = 38.05; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.2, 7.2, 7.2) @ 3500 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.23 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.44 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 8.85 W/kg
SAR(1 g) = 3.24 W/kg; SAR(10 g) = 1.2 W/kg
Maximum value of SAR (measured) = 6.47 W/kg



0 dB = 6.47 W/kg = 8.11 dBW/kg

Verification Data (3 500 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.2 ℃
Test Date:	09/14/2023

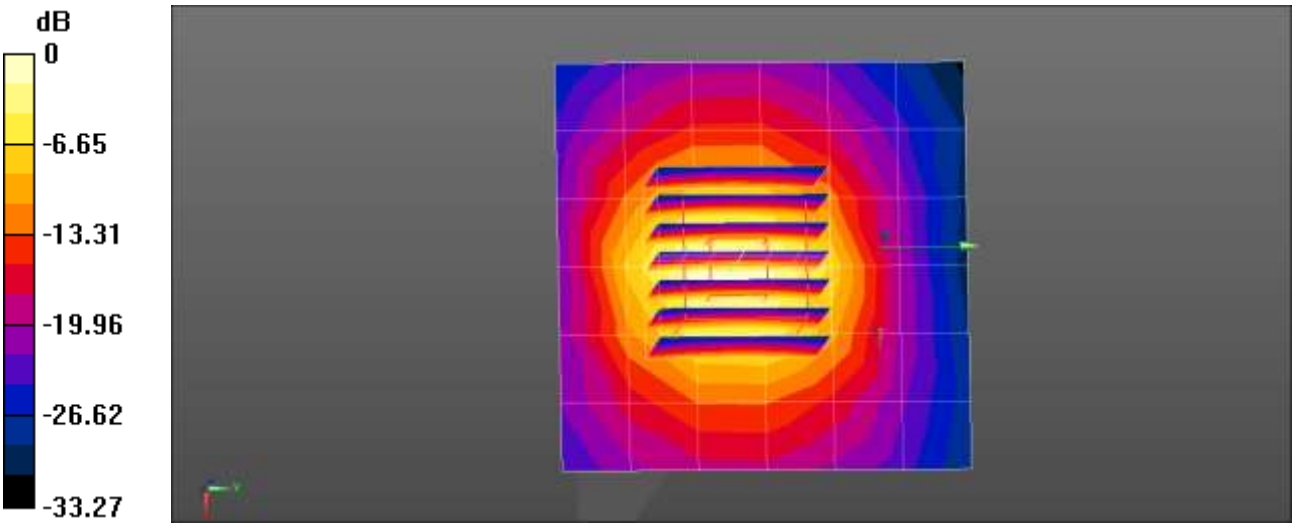
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 2.962 S/m; ε_r = 38.043; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3797; ConvF(6.37, 6.05, 6.28) @ 3500 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn504; Calibrated: 2023-01-10
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.56 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 46.71 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 8.91 W/kg
SAR(1 g) = 3.29 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 6.54 W/kg



0 dB = 6.54 W/kg = 8.16 dBW/kg

Verification Data (3 500 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.9 ℃
Test Date:	09/21/2023

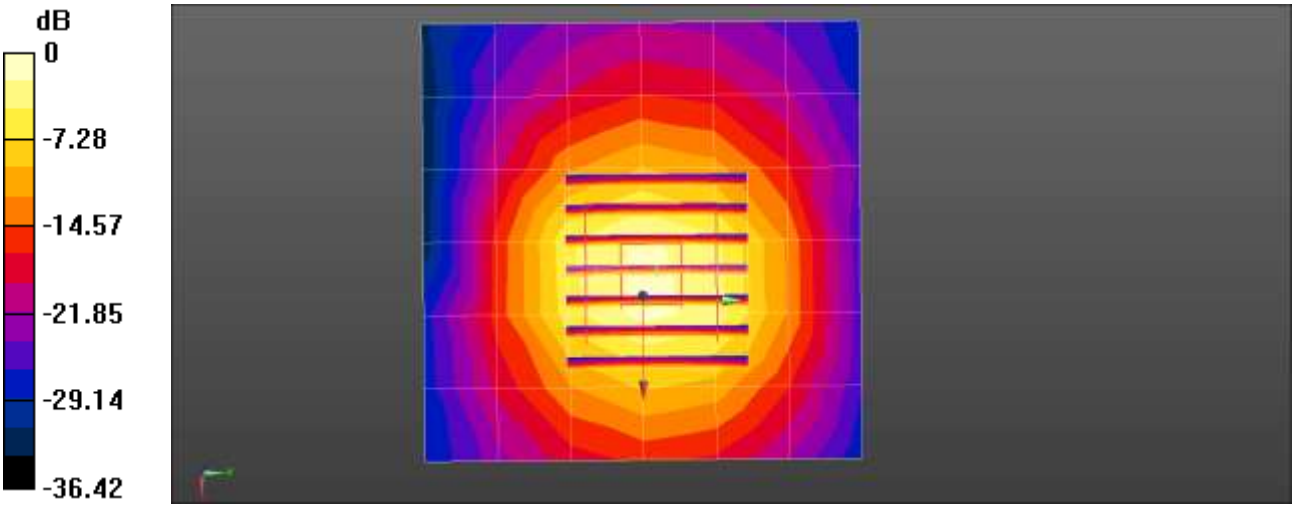
Communication System: UID 0, CW (0); Frequency: 3500 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3500 MHz; σ = 2.98 S/m; ε_r = 38.021; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7370; ConvF(6.78, 6.78, 6.78) @ 3500 MHz; Calibrated: 2023-08-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1225; Calibrated: 2023-03-06
- Phantom: Twin-SAM V8.0 (Right-Left); Type: QD 000 P41 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.39 W/kg

3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 40.74 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 8.35 W/kg
SAR(1 g) = 3.23 W/kg; SAR(10 g) = 1.24 W/kg
Maximum value of SAR (measured) = 6.21 W/kg



0 dB = 6.21 W/kg = 7.93 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.2 ℃
Test Date:	09/05/2023

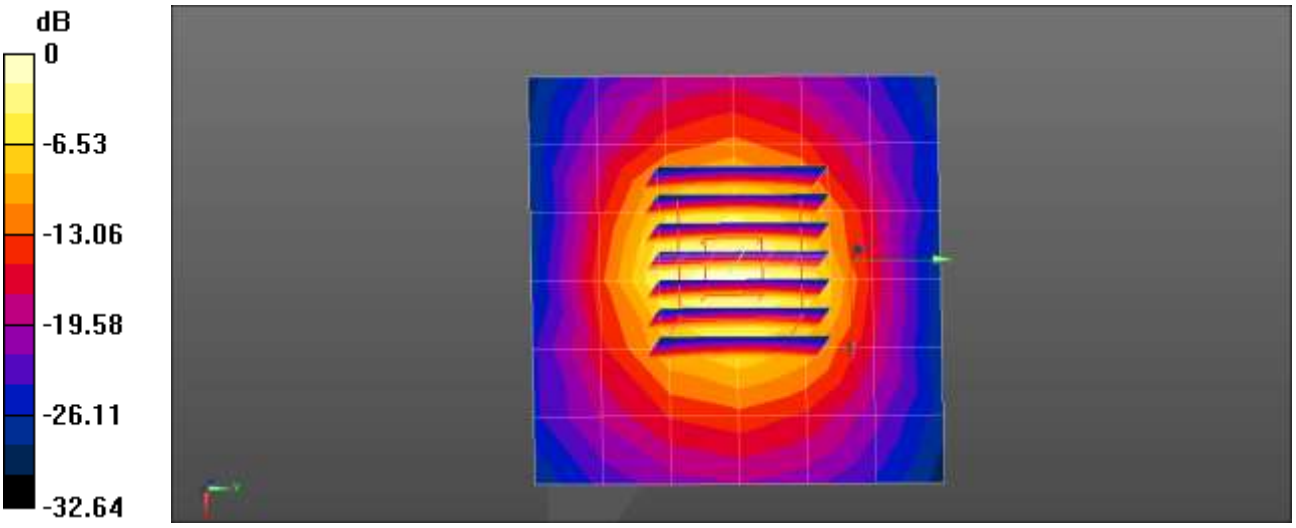
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.14 S/m; ε_r = 37.592; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3700 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right
- Measurement SW: DASY52, Version 52.10 (4);

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.54 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.34 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 9.12 W/kg
SAR(1 g) = 3.39 W/kg; SAR(10 g) = 1.27 W/kg
Maximum value of SAR (measured) = 6.74 W/kg



0 dB = 6.74 W/kg = 8.29 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.1 ℃
Test Date:	07/17/2023

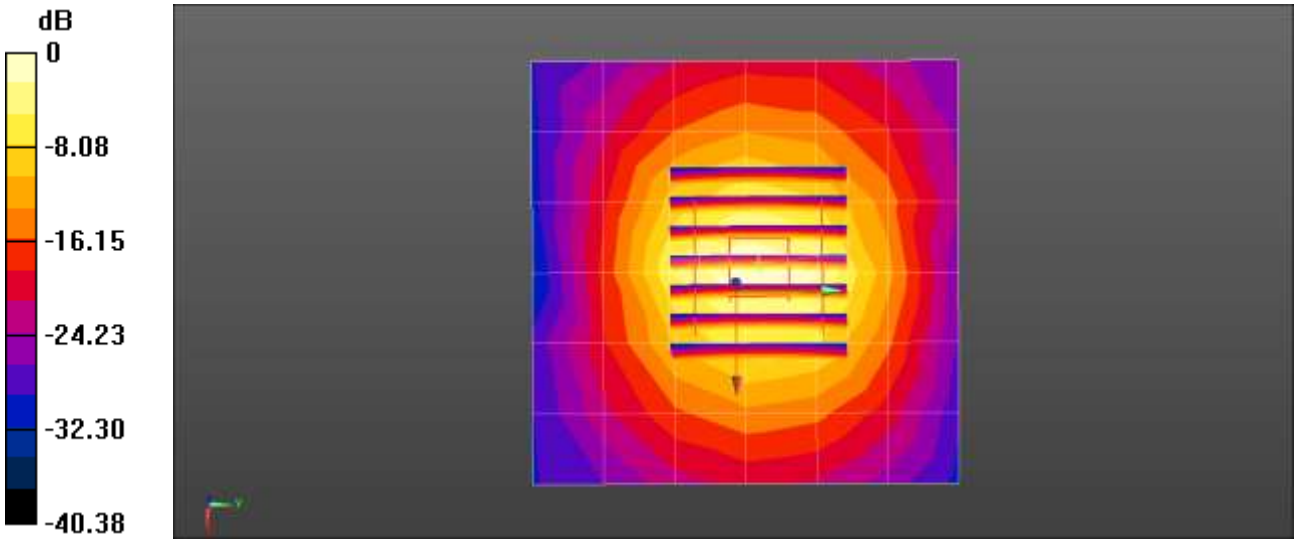
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.156 S/m; ε_r = 37.669; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.1, 7.1, 7.1) @ 3700 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.54 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.24 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 9.45 W/kg
SAR(1 g) = 3.29 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 6.79 W/kg



0 dB = 6.79 W/kg = 8.32 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.3 ℃
Test Date:	07/18/2023

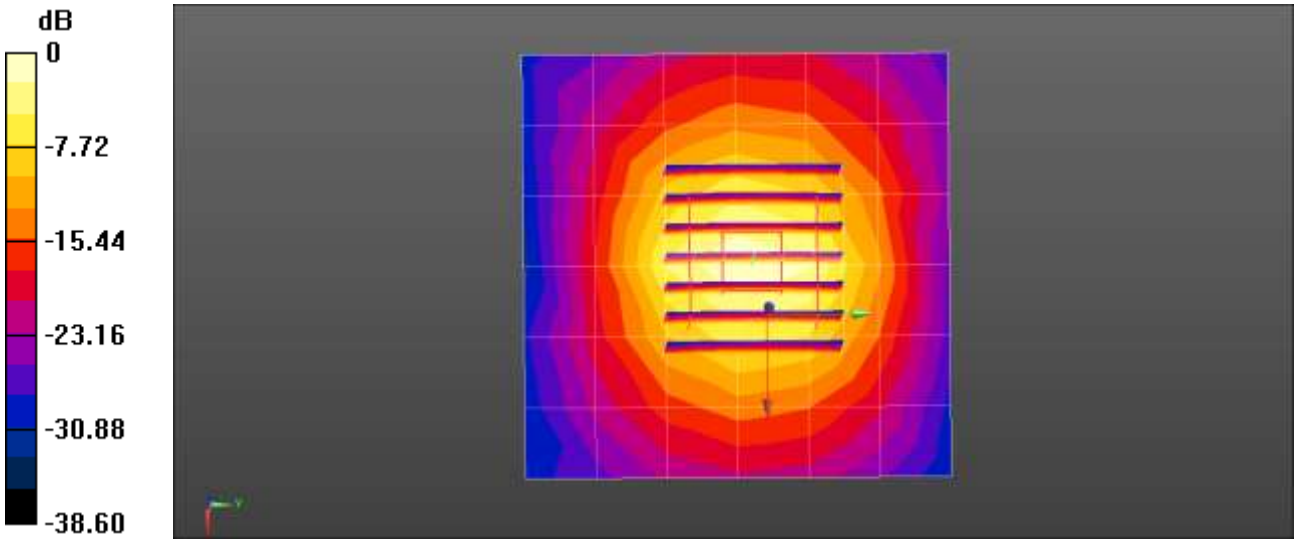
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.138 S/m; ε_r = 37.708; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.1, 7.1, 7.1) @ 3700 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.48 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.19 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 9.29 W/kg
SAR(1 g) = 3.26 W/kg; SAR(10 g) = 1.17 W/kg
Maximum value of SAR (measured) = 6.69 W/kg



0 dB = 6.69 W/kg = 8.25 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.2 ℃
Test Date:	07/04/2023

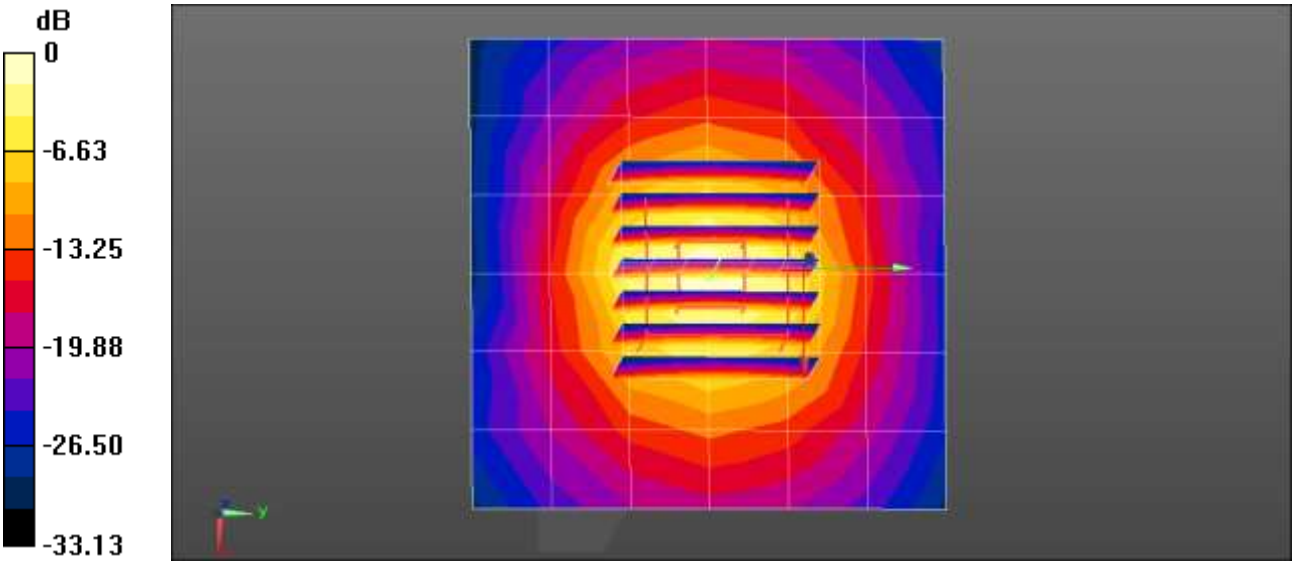
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.17 S/m; ε_r = 37.764; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(7.21, 7.21, 7.21) @ 3700 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.75 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.57 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 9.21 W/kg
SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.25 W/kg
Maximum value of SAR (measured) = 6.79 W/kg



0 dB = 6.79 W/kg = 8.32 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.5 ℃
Test Date:	07/19/2023

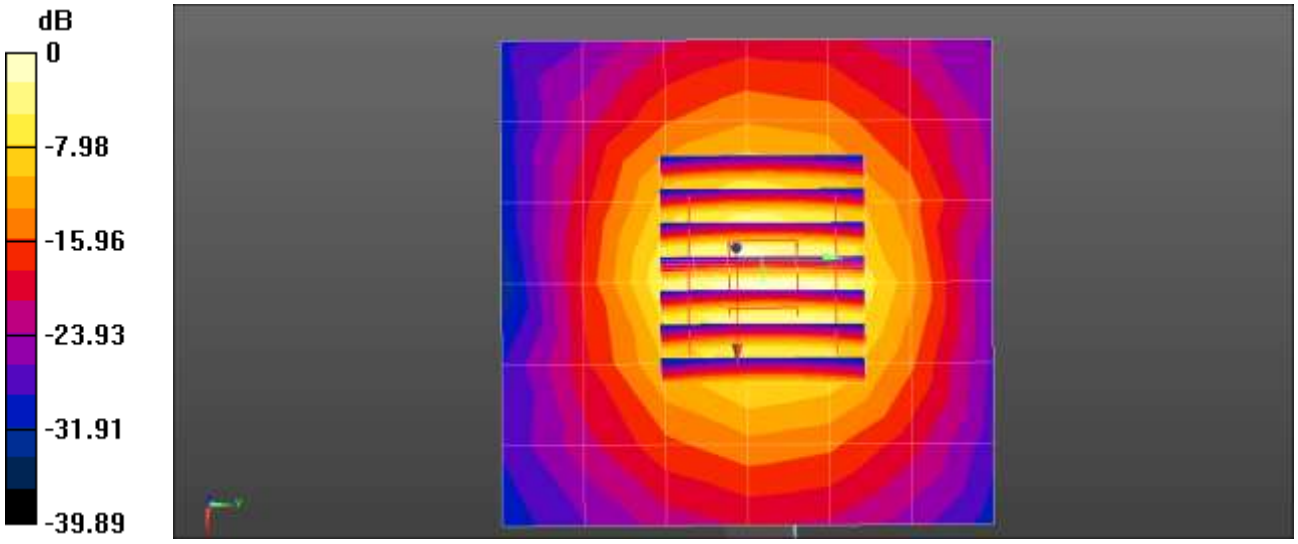
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.15 S/m; ε_r = 37.721; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.1, 7.1, 7.1) @ 3700 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.54 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.20 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 9.41 W/kg
SAR(1 g) = 3.29 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 6.79 W/kg



0 dB = 6.79 W/kg = 8.32 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.5 ℃
Test Date:	07/20/2023

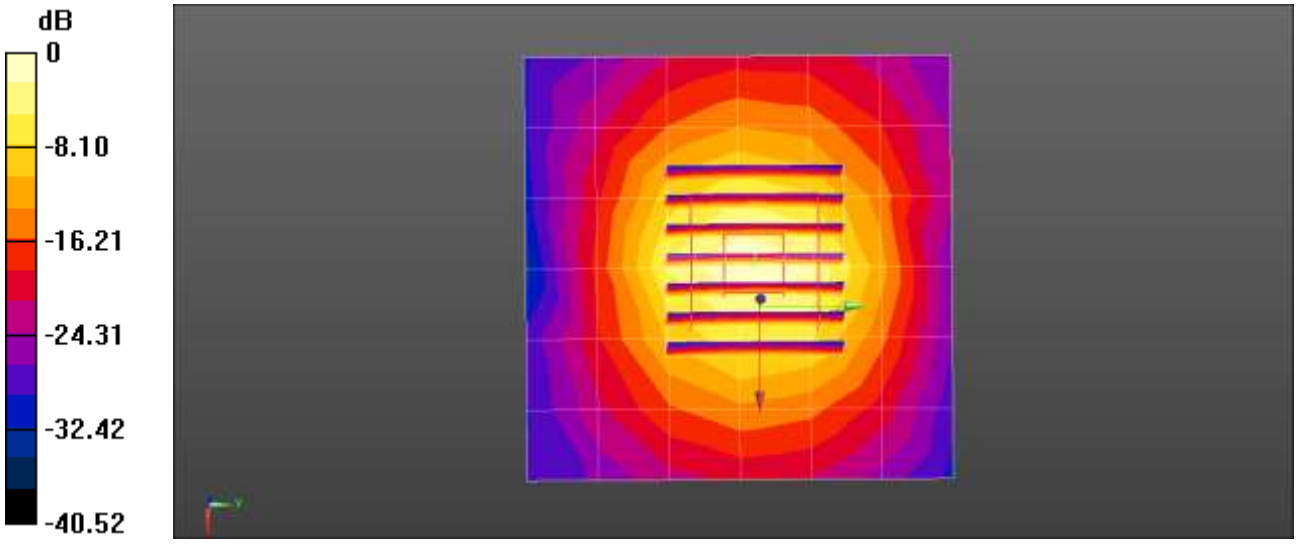
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.15 S/m; ε_r = 37.712; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(7.1, 7.1, 7.1) @ 3700 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.57 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.19 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 9.39 W/kg
SAR(1 g) = 3.28 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 6.77 W/kg



0 dB = 6.77 W/kg = 8.31 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.2 ℃
Test Date:	09/14/2023

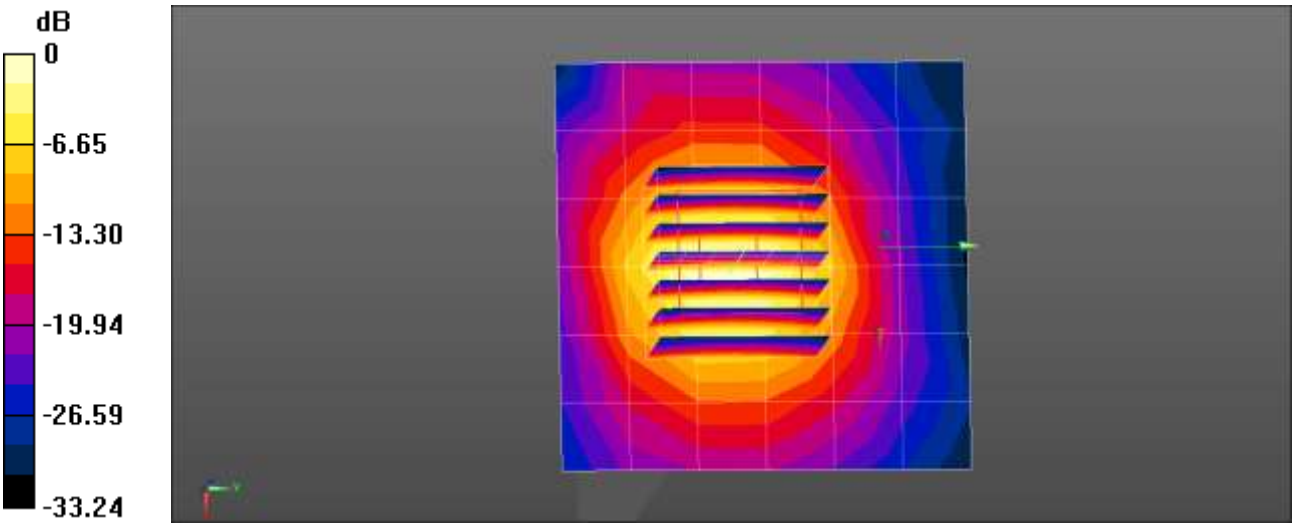
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.134 S/m; ε_r = 37.482; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3797; ConvF(6.42, 6.09, 6.34) @ 3700 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn504; Calibrated: 2023-01-10
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.59 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 44.02 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 9.08 W/kg
SAR(1 g) = 3.21 W/kg; SAR(10 g) = 1.16 W/kg
Maximum value of SAR (measured) = 6.54 W/kg



0 dB = 6.54 W/kg = 8.16 dBW/kg

Verification Data (3 700 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.9 ℃
Test Date:	09/21/2023

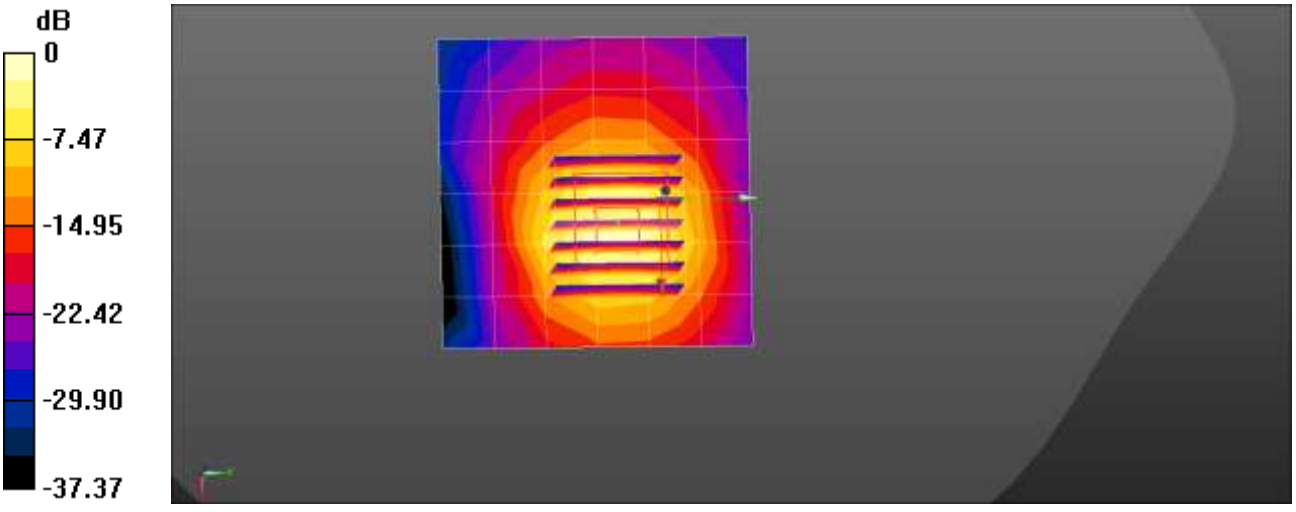
Communication System: UID 0, CW (0); Frequency: 3700 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3700 MHz; σ = 3.14 S/m; ε_r = 37.684; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7370; ConvF(6.8, 6.8, 6.8) @ 3700 MHz; Calibrated: 2023-08-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1225; Calibrated: 2023-03-06
- Phantom: Twin-SAM V8.0 (Right-Left); Type: QD 000 P41 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

3700MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.67 W/kg

3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 31.36 V/m; Power Drift = -0.31 dB
Peak SAR (extrapolated) = 9.02 W/kg
SAR(1 g) = 3.42 W/kg; SAR(10 g) = 1.26 W/kg
Maximum value of SAR (measured) = 6.79 W/kg



0 dB = 6.79 W/kg = 8.32 dBW/kg

Verification Data (3 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.2 ℃
Test Date:	07/04/2023

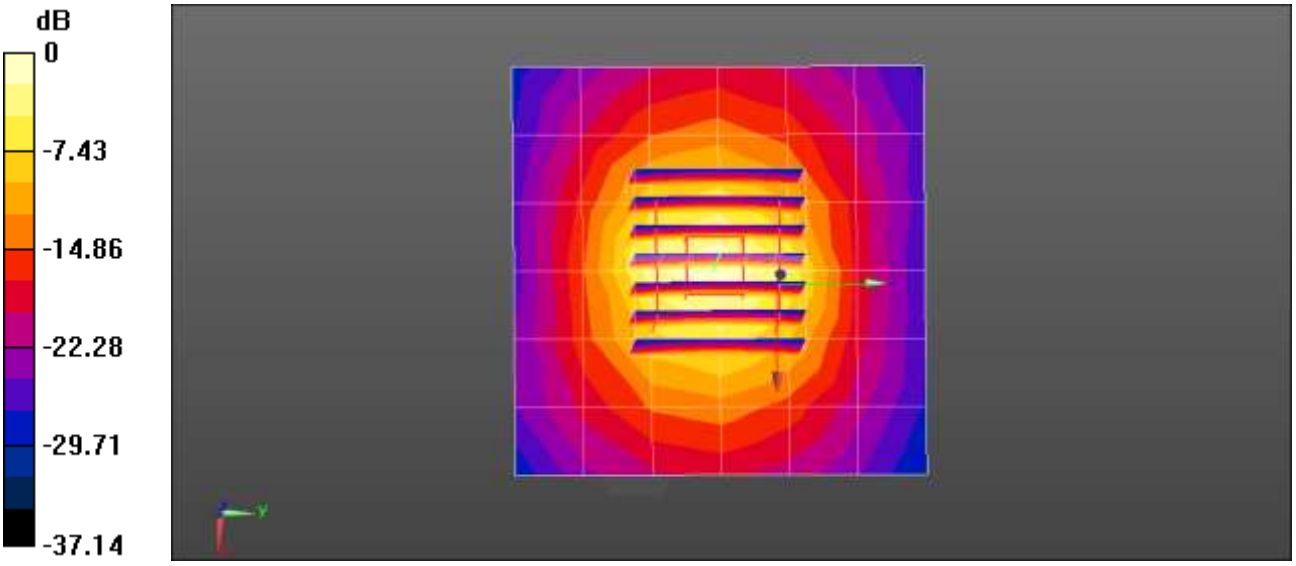
Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3900 MHz; σ = 3.322 S/m; ε_r = 37.645; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7702; ConvF(6.78, 6.78, 6.78) @ 3900 MHz; Calibrated: 2023-01-26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2023-01-20
- Phantom: Twin-SAM V4.0 (20deg probe tilt)_Left-Right; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

3900MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 6.63 W/kg

3900MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 48.88 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 8.93 W/kg
SAR(1 g) = 3.26 W/kg; SAR(10 g) = 1.16 W/kg
Maximum value of SAR (measured) = 6.69 W/kg



0 dB = 6.69 W/kg = 8.25 dBW/kg

Verification Data (3 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.5 ℃
Test Date:	07/19/2023

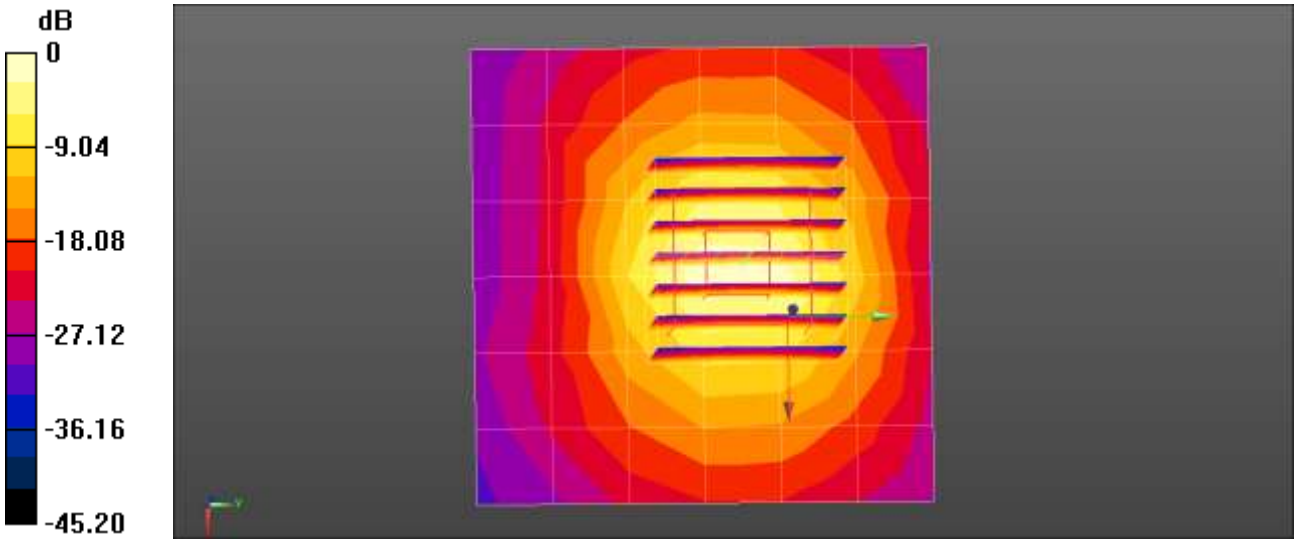
Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3900 MHz; σ = 3.305 S/m; ε_r = 37.55; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(6.75, 6.75, 6.75) @ 3900 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3900MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.97 W/kg

3900MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 46.69 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 10.1 W/kg
SAR(1 g) = 3.46 W/kg; SAR(10 g) = 1.19 W/kg
Maximum value of SAR (measured) = 7.28 W/kg



0 dB = 7.28 W/kg = 8.62 dBW/kg

Verification Data (3 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.5 ℃
Test Date:	07/20/2023

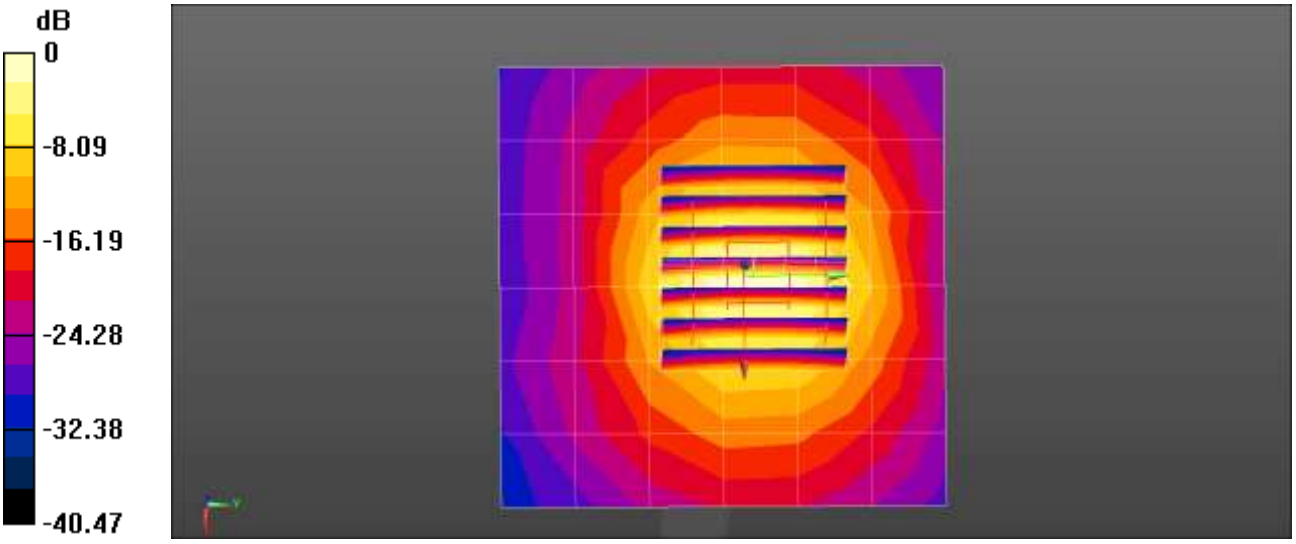
Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3900 MHz; σ = 3.299 S/m; ε_r = 37.45; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(6.75, 6.75, 6.75) @ 3900 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3900MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.98 W/kg

3900MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 46.36 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 9.97 W/kg
SAR(1 g) = 3.43 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 7.21 W/kg



0 dB = 7.21 W/kg = 8.58 dBW/kg

Verification Data (3 900 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.5 ℃
Test Date:	07/20/2023

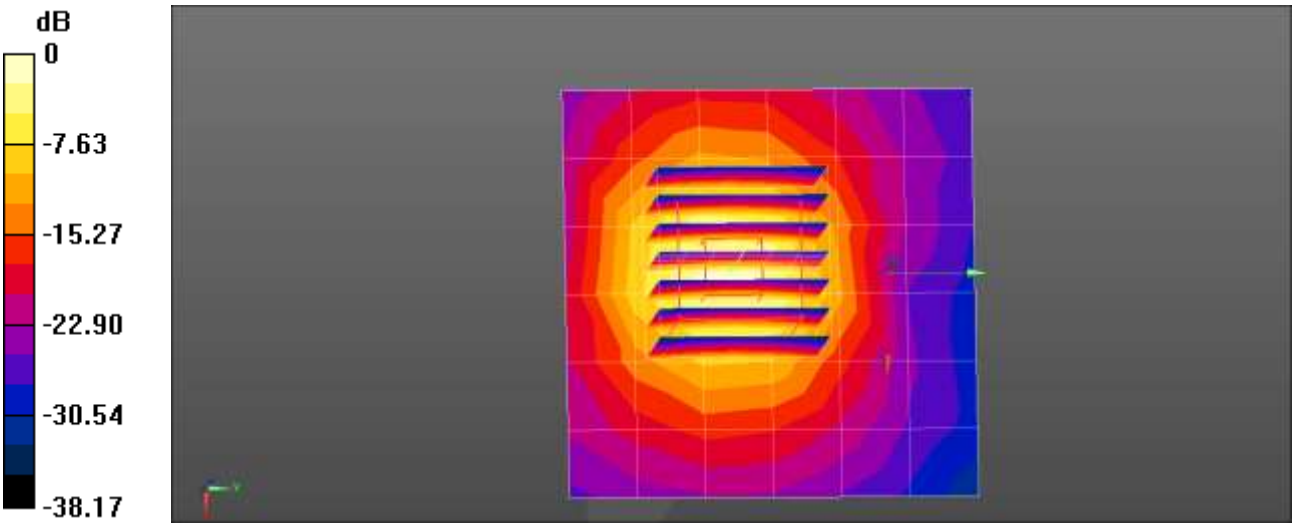
Communication System: UID 0, CW (0); Frequency: 3900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 3900 MHz; σ = 3.312 S/m; ε_r = 37.529; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3797; ConvF(6.56, 6.25, 6.5) @ 3900 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn504; Calibrated: 2023-01-10
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

3900MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.36 W/kg

3900MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 41.04 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 11.1 W/kg
SAR(1 g) = 3.47 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 7.59 W/kg



0 dB = 7.59 W/kg = 8.80 dBW/kg

* Extremity SAR

Verification Data (13 MHz Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.0 ℃
Test Date:	06/16/2023

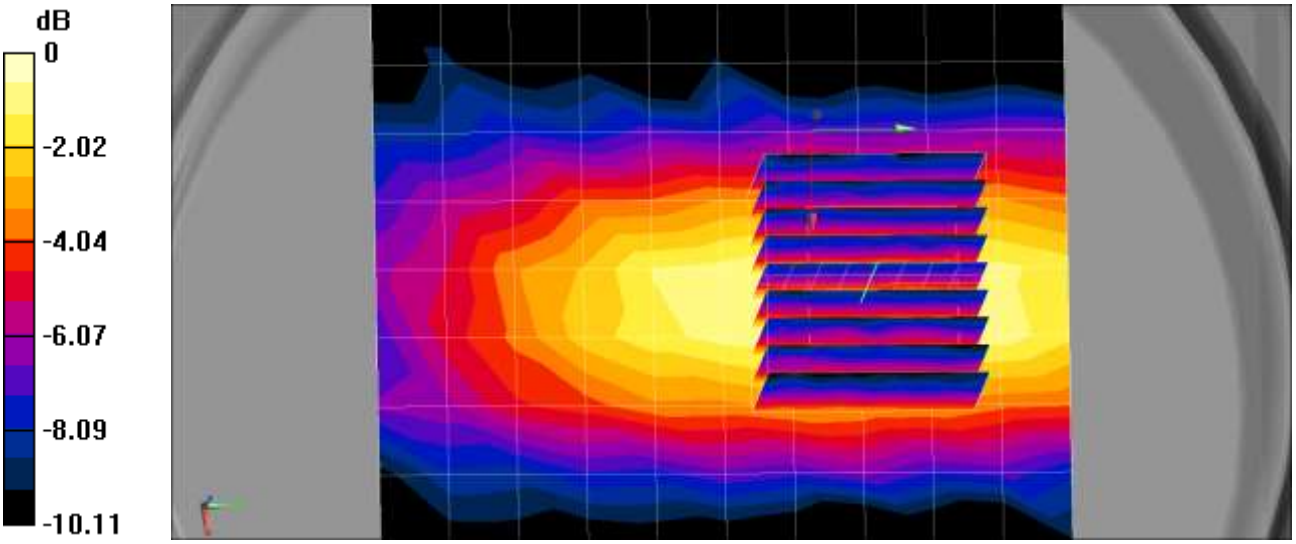
Communication System: UID 0, NFC (0); Frequency: 13 MHz;Duty Cycle: 1:1
Medium parameters used: f = 13 MHz; σ = 0.724 S/m; ε_r = 54.273; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.75, 5.75, 5.75) @ 13 MHz;
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1750; Calibrated: 2022-10-10
- Phantom: ELI v5.0 Left
- Measurement SW: DASY52, Version 52.10 (4);

13MHz Head Verification/Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.0298 W/kg

13MHz Head Verification/Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.179 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0610 W/kg
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.019 W/kg
Maximum value of SAR (measured) = 0.0349 W/kg



0 dB = 0.0349 W/kg = -14.57 dBW/kg

Verification Data (5 250 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	07/21/2023

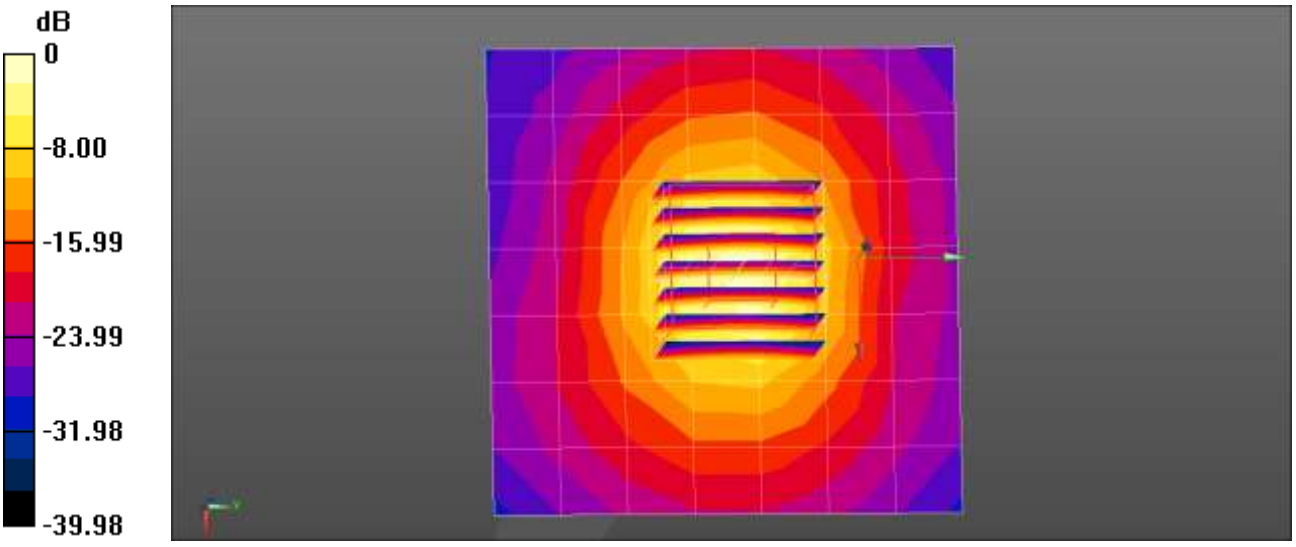
Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 4.668 S/m; ε_r = 35.675; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(5.6, 5.6, 5.6) @ 5250 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

5250MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 6.67 W/kg

5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 51.66 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 15.9 W/kg
SAR(1 g) = 4.23 W/kg; SAR(10 g) = 1.22 W/kg
Maximum value of SAR (measured) = 10.3 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg

Verification Data (5 600 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.7 ℃
Test Date:	07/21/2023

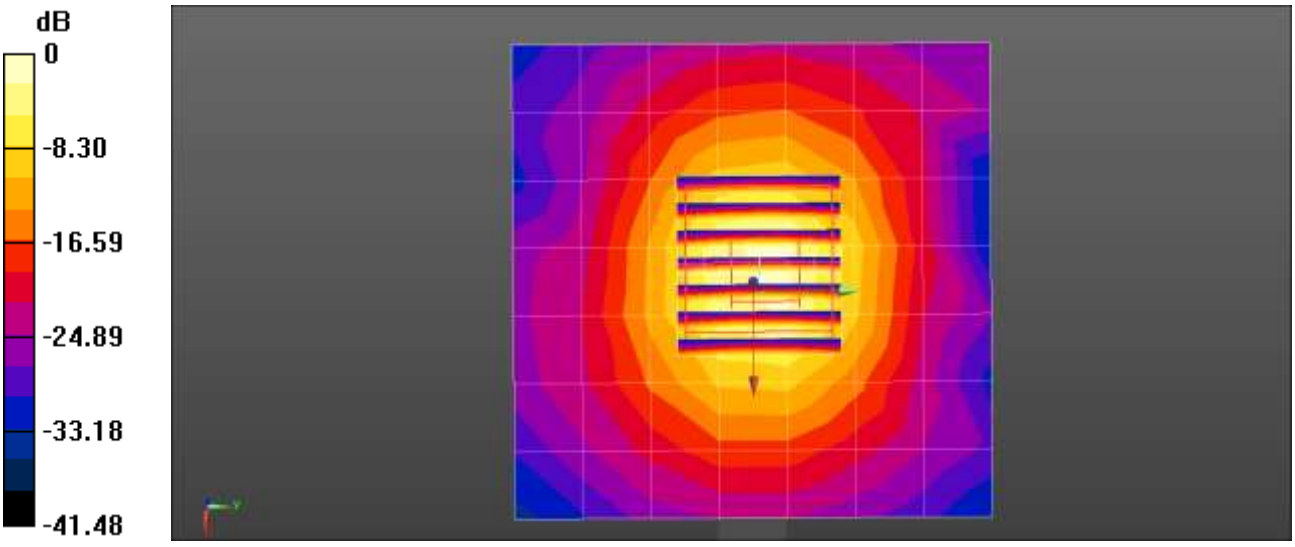
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5 S/m; ε_r = 35.14; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7622; ConvF(5.09, 5.09, 5.09) @ 5600 MHz;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2023-03-01
- Phantom: Twin-SAM V8.0 (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (3);

5600MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.14 W/kg

5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 50.72 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 17.5 W/kg
SAR(1 g) = 4.34 W/kg; SAR(10 g) = 1.24 W/kg
Maximum value of SAR (measured) = 11.0 W/kg



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

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		1 750		1 900		2 450 – 2 700		3500 - 5 800	
Tissue Type	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Water	41.1	51.7	40.45	53.06	52.6	68.8	54.9	70.17	71.88	73.2	65.52	78.66
Salt (NaCl)	1.4	0.9	1.45	0.94	0.4	0.2	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	0.0	0.0
HEC	0.2	0	1.0	1.0	0.0	0.0	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	0.0	0.0
Triton X-100	0.0	0.0	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	47	31	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 KCB 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
18	3972	EX3DV4	Head	750	1014	2023-05-24	41.7	0.89	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	835	4d165	2023-05-24	41.6	0.89	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	835	4d165	2023-05-24	41.6	0.89	PASS	PASS	PASS	GMSK	PASS	N/A
14	7655	EX3DV4	Head	1750	2d015	2023-05-29	40.1	1.41	PASS	PASS	PASS	N/A	N/A	N/A
14	7655	EX3DV4	Head	1900	5d032	2023-05-29	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
14	7655	EX3DV4	Head	1900	5d032	2023-05-29	40.1	1.42	PASS	PASS	PASS	GMSK	PASS	N/A
14	7655	EX3DV4	Head	2300	1010	2023-05-29	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	2450	743	2023-04-26	39.3	1.83	PASS	PASS	PASS	OFDM	N/A	PASS
14	7655	EX3DV4	Head	2600	1106	2023-05-29	39.1	1.94	PASS	PASS	PASS	NA	N/A	NA
14	7655	EX3DV4	Head	2600	1106	2023-05-29	39.1	1.94	PASS	PASS	PASS	TDD	PASS	NA
19	7702	EX3DV4	Head	3500	1040	2023-01-28	38.0	2.95	PASS	PASS	PASS	TDD	PASS	NA
19	7702	EX3DV4	Head	3700	1105	2023-01-28	37.7	3.14	PASS	PASS	PASS	TDD	PASS	NA
19	7702	EX3DV4	Head	5250	1253	2023-05-18	35.7	4.66	PASS	PASS	PASS	OFDM	N/A	PASS
19	7702	EX3DV4	Head	5600	1253	2023-05-18	35.5	5.01	PASS	PASS	PASS	OFDM	N/A	PASS
19	7702	EX3DV4	Head	5750	1253	2023-05-18	35.4	5.17	PASS	PASS	PASS	OFDM	N/A	PASS

SAR System Validation Summary 1g

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
18	3972	EX3DV4	Head	750	1014	2023-05-24	41.7	0.89	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	835	4d165	2023-05-24	41.6	0.89	PASS	PASS	PASS	N/A	N/A	N/A
14	7655	EX3DV4	Head	1640	345	2023-05-26	41.5	0.89	PASS	PASS	PASS	N/A	N/A	N/A
14	7655	EX3DV4	Head	1750	2d015	2023-05-29	40.1	1.41	PASS	PASS	PASS	N/A	N/A	N/A
14	7655	EX3DV4	Head	1900	5d032	2023-05-29	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
14	7655	EX3DV4	Head	2300	1010	2023-05-29	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
14	7655	EX3DV4	Head	2600	1106	2023-05-29	39.1	1.94	PASS	PASS	PASS	NA	N/A	NA
9	7309	EX3DV4	Head	2600	1106	2023-06-21	39.2	1.95	PASS	PASS	PASS	NA	N/A	NA
19	7702	EX3DV4	Head	3500	1040	2023-01-28	38.0	2.95	PASS	PASS	PASS	N/A	N/A	N/A
19	7702	EX3DV4	Head	3700	1105	2023-01-28	37.7	3.14	PASS	PASS	PASS	N/A	N/A	N/A
19	7702	EX3DV4	Head	3900	1019	2023-05-21	37.3	3.30	PASS	PASS	PASS	N/A	N/A	N/A
16	7622	EX3DV4	Head	3500	1040	2023-01-24	37.9	2.91	PASS	PASS	PASS	N/A	N/A	N/A
16	7622	EX3DV4	Head	3700	1105	2022-11-29	37.5	3.13	PASS	PASS	PASS	N/A	N/A	N/A
16	7622	EX3DV4	Head	3900	1019	2023-05-21	37.1	3.30	PASS	PASS	PASS	N/A	N/A	N/A

SAR System Validation Summary 1g

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
14	7655	EX3DV4	Head	13	1016	2023-05-29	54.5	0.73	PASS	PASS	PASS	N/A	N/A	N/A
19	7702	EX3DV4	Head	5250	1253	2023-05-18	35.7	4.66	PASS	PASS	PASS	OFDM	N/A	PASS
19	7702	EX3DV4	Head	5600	1253	2023-05-18	35.5	5.01	PASS	PASS	PASS	OFDM	N/A	PASS

SAR System Validation Summary – Extremity SAR Considerations

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.