

Appendix B. – SAR Test Plots

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.5 °C
Ambient Temperature: 21.6 °C
Test Date: 12/15/2021
Plot No.: 1

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; $\sigma = 0.939$ S/m; $\epsilon_r = 41.032$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 836.6 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GSM850 3Tx Head Right Touch 190ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.224 W/kg

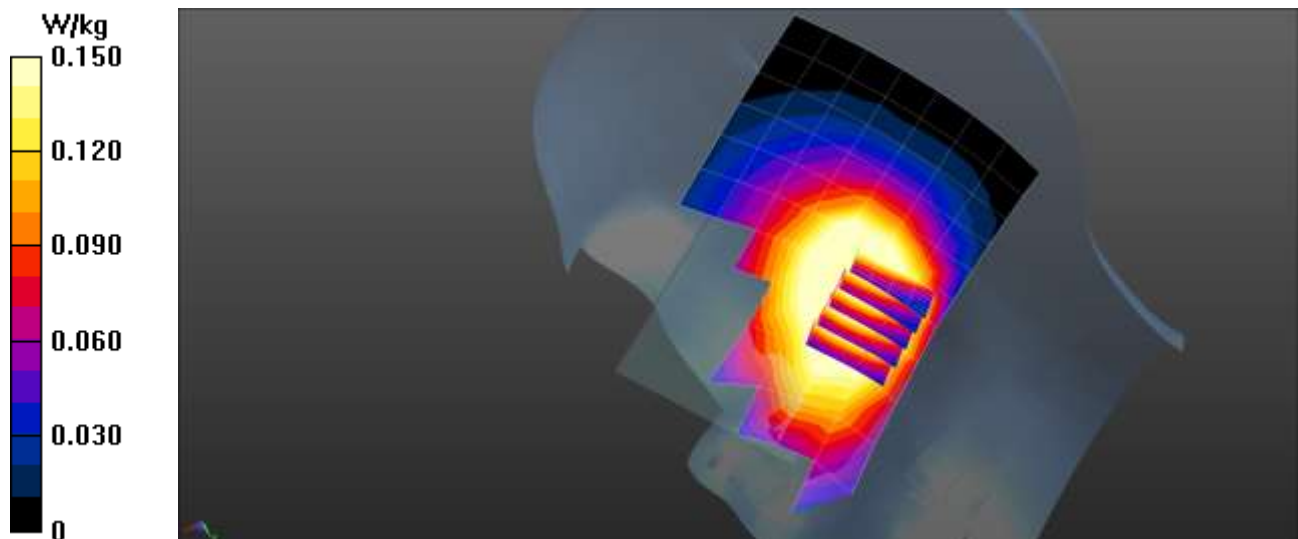
GSM850 3Tx Head Right Touch 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.173 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.135 W/kg

Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.224 W/kg = -6.50 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.4 °C
Ambient Temperature: 22.5 °C
Test Date: 12/16/2021
Plot No.: 2

Communication System: UID 0, GSM 1900 4TX (0); Frequency: 1880 MHz; Duty Cycle: 1:2.07491
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 39.051$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1880 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GSM1900 4Tx Head Right Touch 661ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0455 W/kg

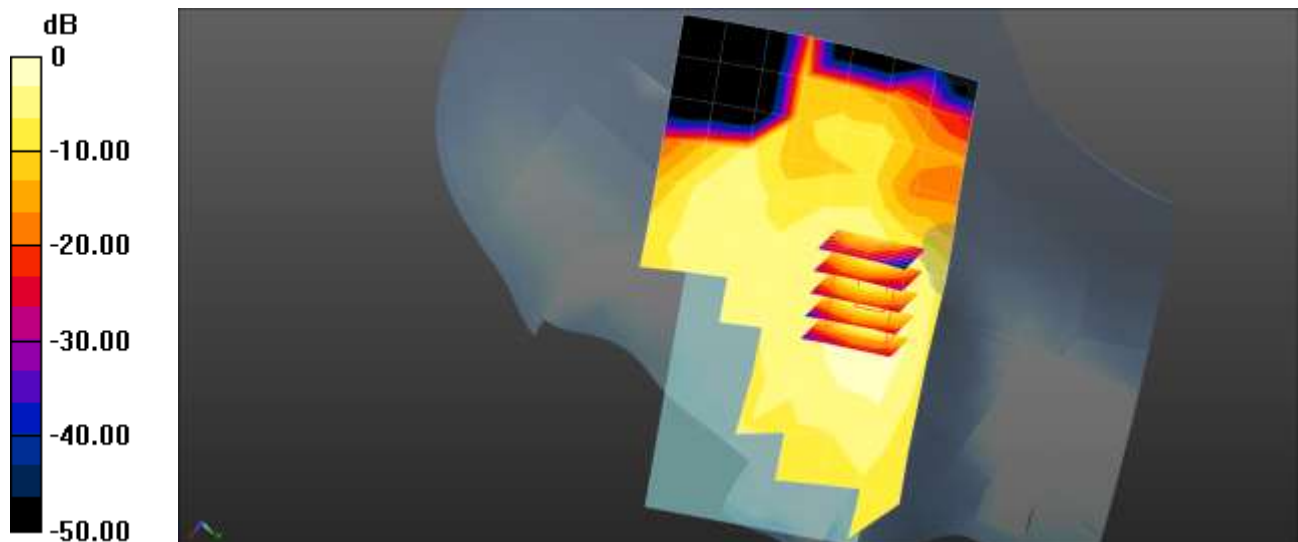
GSM1900 4Tx Head Right Touch 661ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.974 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0710 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.0605 W/kg



0 dB = 0.0455 W/kg = -13.42 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 12/22/2021
Plot No.: 3

Communication System: UID 0, WCDMA850 (0); Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 41.484$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 826.4 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913
- Measurement SW: DASY52, Version 52.10 (4);

UMTS Band 5 Head Right Touch 4132ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.226 W/kg

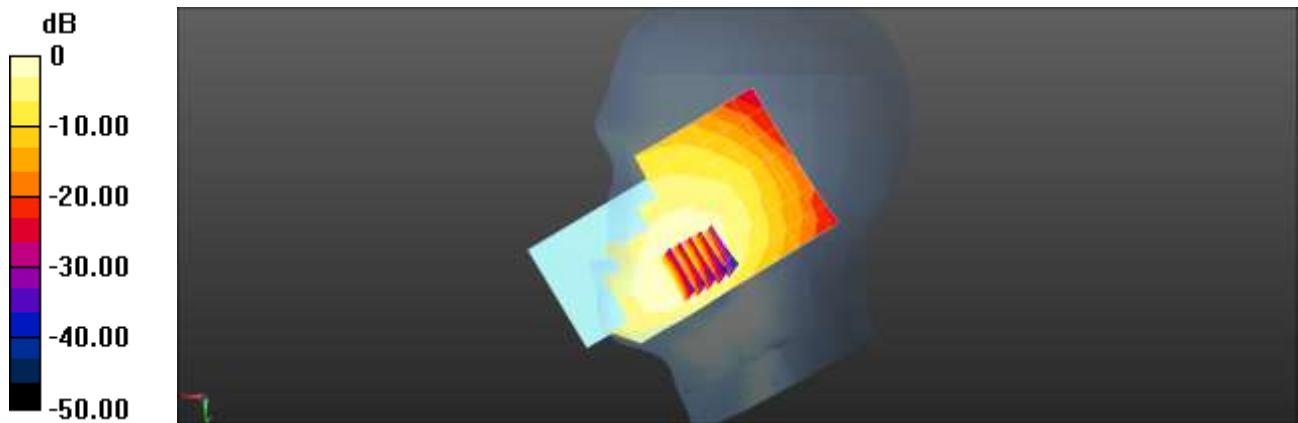
UMTS Band 5 Head Right Touch 4132ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.714 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.251 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.226 W/kg = -6.46 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.5 °C
Ambient Temperature: 22.6 °C
Test Date: 12/21/2021
Plot No.: 4

Communication System: UID 0, WCDMA IV (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.328$ S/m; $\epsilon_r = 41.393$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1732.4 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

UMTS Band 4 Head Right Touch 1412ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.105 W/kg

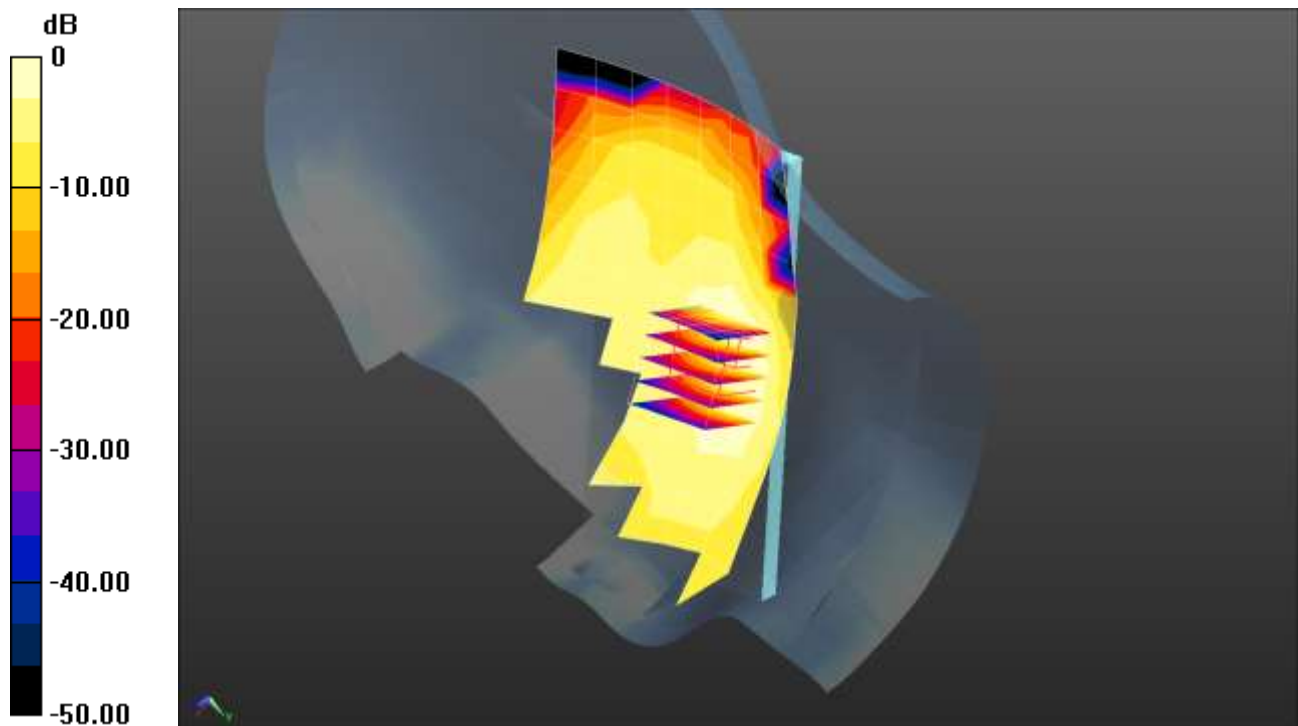
UMTS Band 4 Head Right Touch 1412ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.385 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.056 W/kg

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



0 dB = 0.105 W/kg = -9.78 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/17/2021
Plot No.: 5

Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 38.682$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1880 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

UMTS Band 2 Head Right Touch 9400ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.114 W/kg

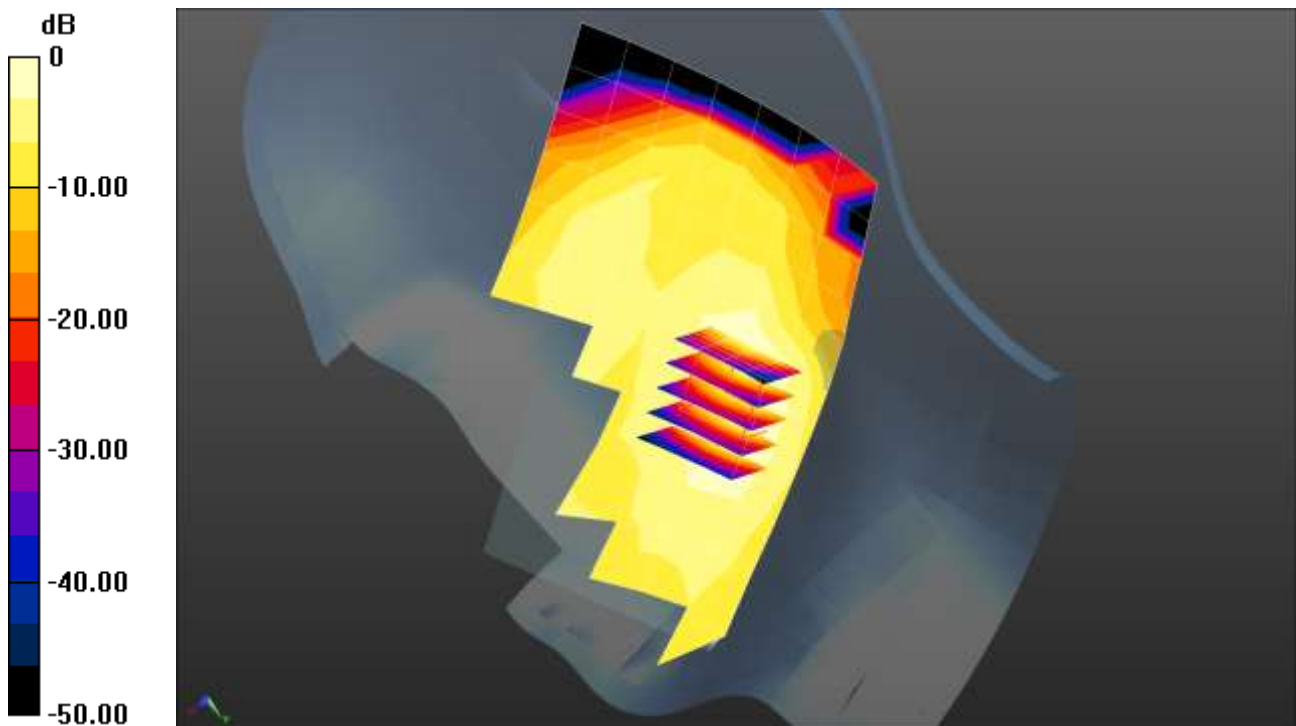
UMTS Band 2 Head Right Touch 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.548 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.057 W/kg

Maximum value of SAR (measured) = 0.126 W/kg



0 dB = 0.114 W/kg = -9.44 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.0 °C
Ambient Temperature: 22.1 °C
Test Date: 12/23/2021
Plot No.: 6

Communication System: UID 0, LTE Band 7 (0); Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 1.92$ S/m; $\epsilon_r = 38.094$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.38, 7.38, 7.38) @ 2560 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 7 Head Left Touch QPSK 20MHz 1RB 0offset 21350ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.306 W/kg

LTE Band 7 Head Left Touch QPSK 20MHz 1RB 0offset 21350ch/Zoom Scan (7x7x7)/Cube

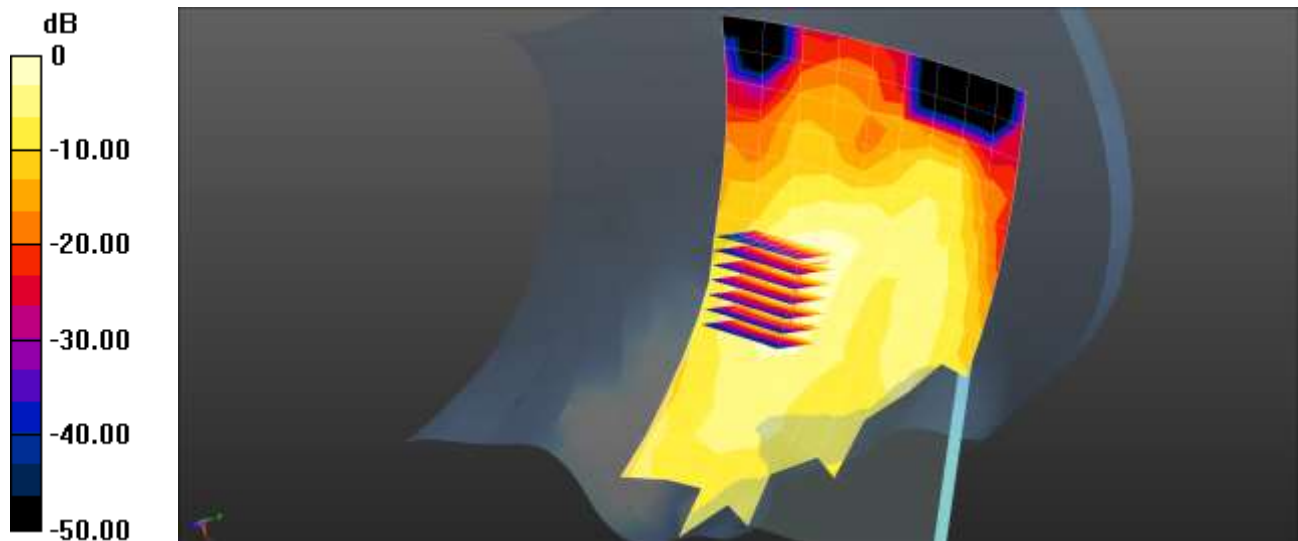
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.248 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.106 W/kg

Maximum value of SAR (measured) = 0.312 W/kg



0 dB = 0.306 W/kg = -5.15 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.5 °C
Ambient Temperature: 22.6 °C
Test Date: 12/01/2021
Plot No.: 7

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 43.23$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 707.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 12 Head Right Touch QPSK 10MHz 1RB 0offset 23095ch/Area Scan (8x13x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.164 W/kg

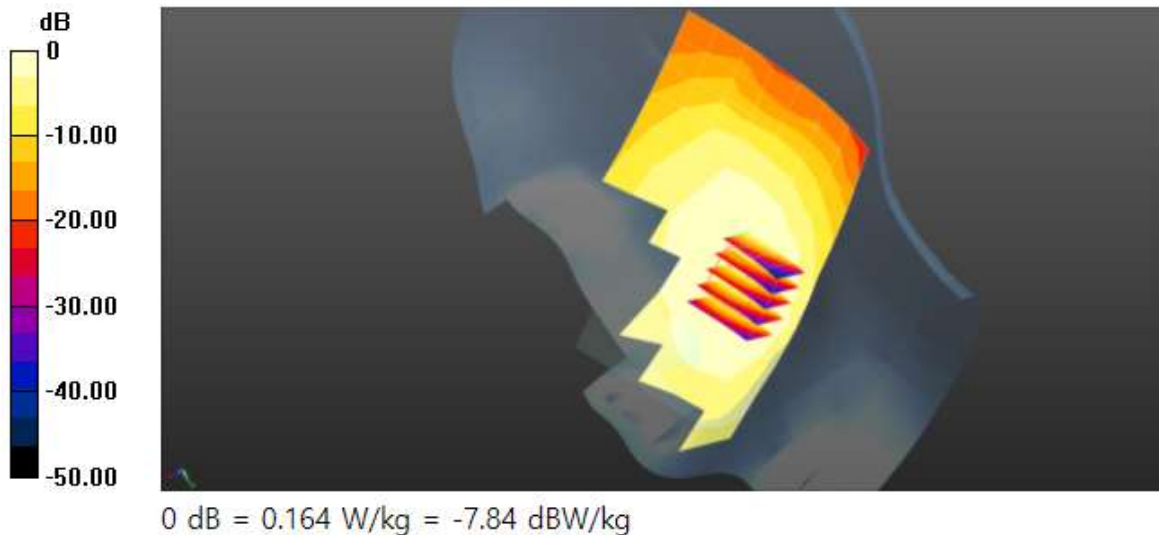
LTE Band 12 Head Right Touch QPSK 10MHz 1RB 0offset 23095ch/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.252 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.148 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.170 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.4 °C
Ambient Temperature: 21.5 °C
Test Date: 12/02/2021
Plot No.: 8

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 42.091$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 782 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 13 Head Right Touch QPSK 10MHz 1RB 0offset 23230ch/Area Scan (8x13x1): Measurement
grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.265 W/kg

LTE Band 13 Head Right Touch QPSK 10MHz 1RB 0offset 23230ch/Zoom Scan (5x5x7)/Cube

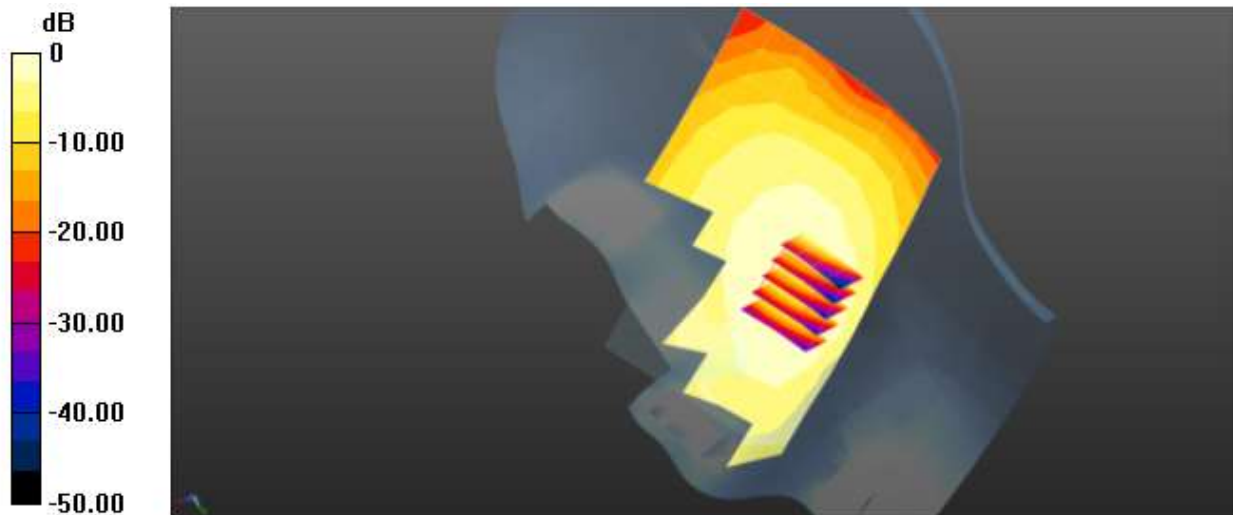
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.360 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.175 W/kg

Maximum value of SAR (measured) = 0.266 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.3 °C
Ambient Temperature: 21.4 °C
Test Date: 12/03/2021
Plot No.: 9

Communication System: UID 0, LTE 14 (0); Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.922 \text{ S/m}$; $\epsilon_r = 41.967$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 793 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 14 Head Right Touch QPSK 10MHz 1RB 0offset 23330ch/Area Scan (8x13x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.270 W/kg

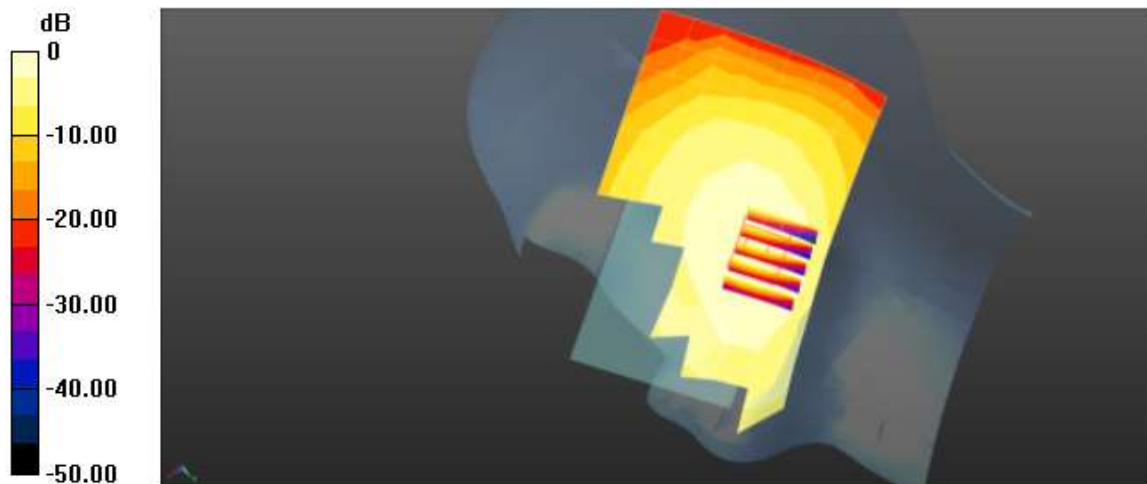
LTE Band 14 Head Right Touch QPSK 10MHz 1RB 0offset 23330ch/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.498 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.230 W/kg; SAR(10 g) = 0.177 W/kg

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg = -5.69 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.4 °C
Ambient Temperature: 21.5 °C
Test Date: 12/08/2021
Plot No.: 10

Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 40.871$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1905 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 25 Head Right Touch QPSK 20MHz 1RB 49offset 26590ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0889 W/kg

LTE Band 25 Head Right Touch QPSK 20MHz 1RB 49offset 26590ch/Zoom Scan (5x5x7)/Cube

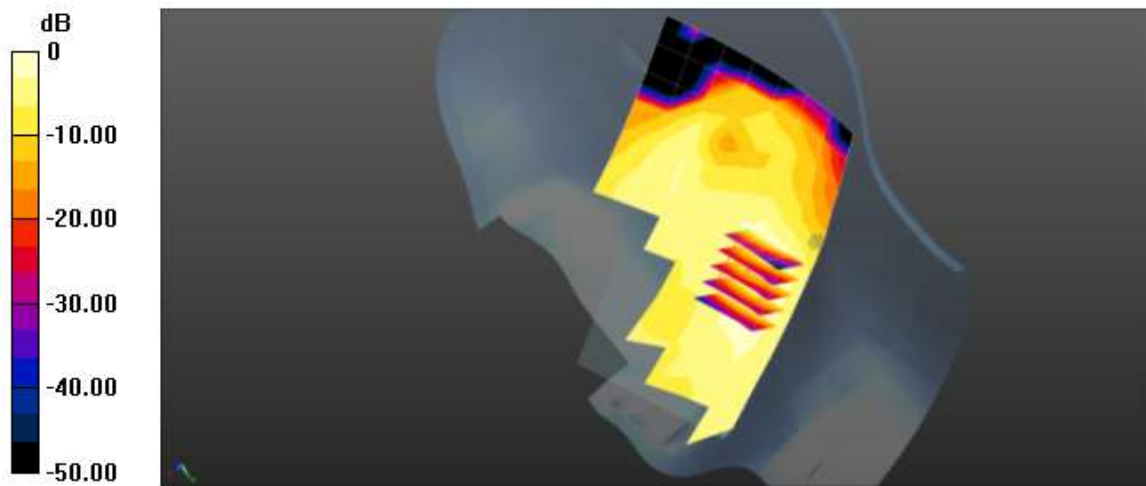
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.136 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.118 W/kg

SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.0993 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.4 °C
Ambient Temperature: 22.5 °C
Test Date: 12/06/2021
Plot No.: 11

Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 41.698$; $\rho = 1000$ kg/m³
Phantom section: Right Section

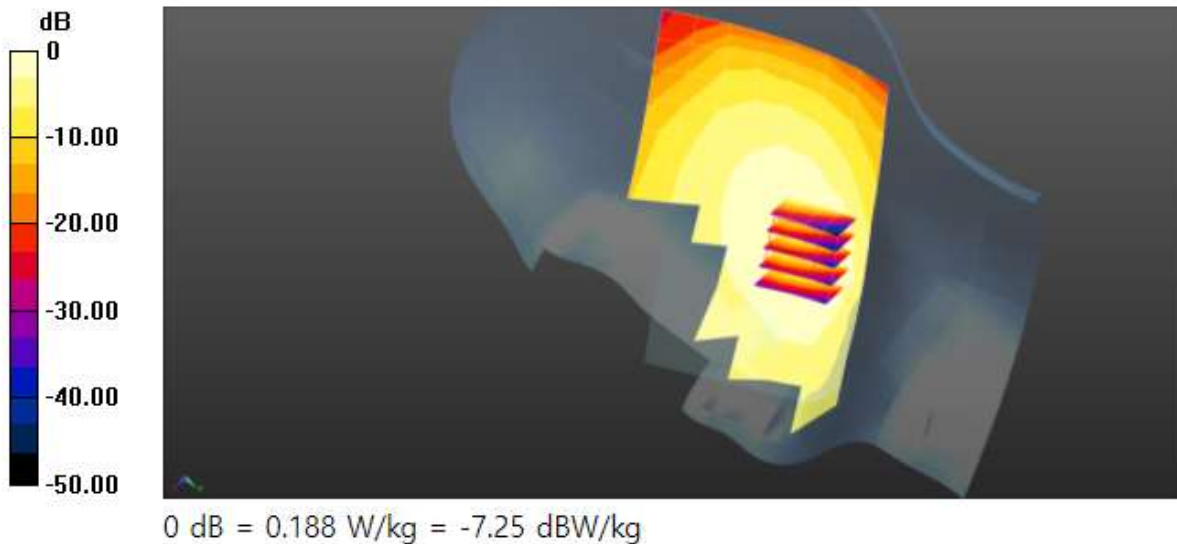
DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 831.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 26 Head Right Touch QPSK 15MHz 1RB 0offset 26865ch/Area Scan (8x13x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.188 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 = 5.991 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.121 W/kg
Maximum value of SAR (measured) = 0.187 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 12/10/2021
Plot No.: 12

Communication System: UID 0, LTE Band 30 (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2310$ MHz; $\sigma = 1.718$ S/m; $\epsilon_r = 39.931$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7679; ConvF(8.27, 8.27, 8.27) @ 2310 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 30 Head Left Touch QPSK 10MHz 25RB 0offset 27710ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.137 W/kg

LTE Band 30 Head Left Touch QPSK 10MHz 25RB 0offset 27710ch/Zoom Scan (7x7x7)/Cube

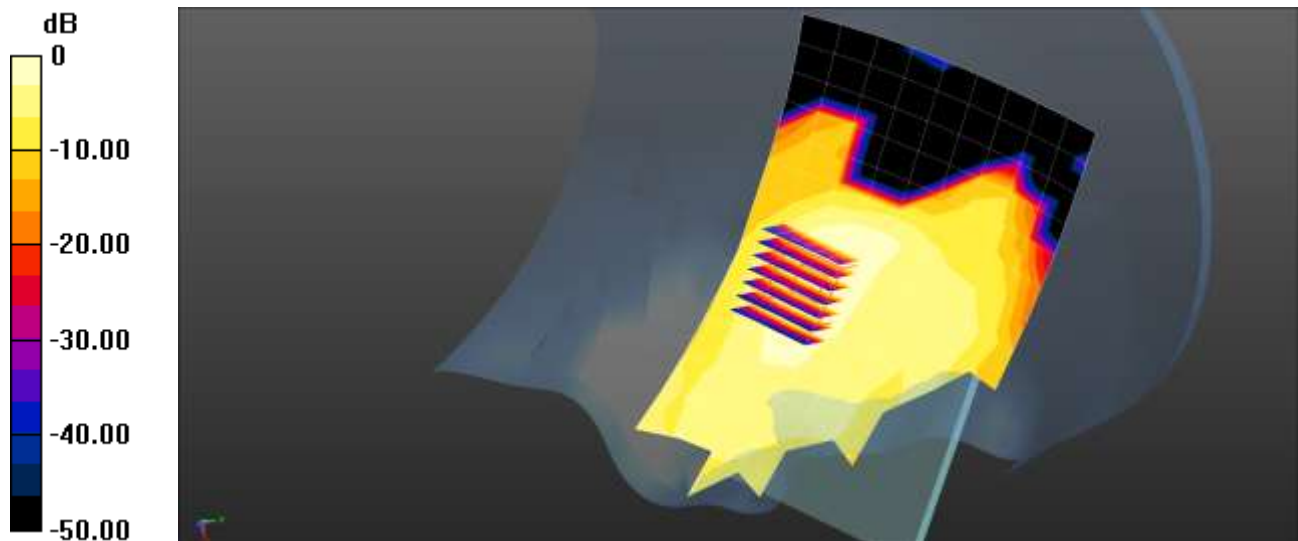
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.053 W/kg

Maximum value of SAR (measured) = 0.143 W/kg



$$0 \text{ dB} = 0.137 \text{ W/kg} = -8.62 \text{ dBW/kg}$$

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 01/19/2022
Plot No.: 13

Communication System: UID 0, LTE Band 40 (0); Communication System Band: LTE Band 40; Frequency: 2310 MHz; Communication System PAR: 1.988 dB; Medium parameters used: $f = 2310$ MHz; $\sigma = 1.721$ S/m; $\epsilon_r = 39.92$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2310 MHz; Calibrated: 2021-07-28
 - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = -1.0, 32.0$
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

LTE Band 40 Head Left Touch QPSK 10MHz 1RB 0offset 38750ch/Area Scan (10x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.00741 W/kg

LTE Band 40 Head Left Touch QPSK 10MHz 1RB 0offset 38750ch/Zoom Scan (7x7x7)/Cube

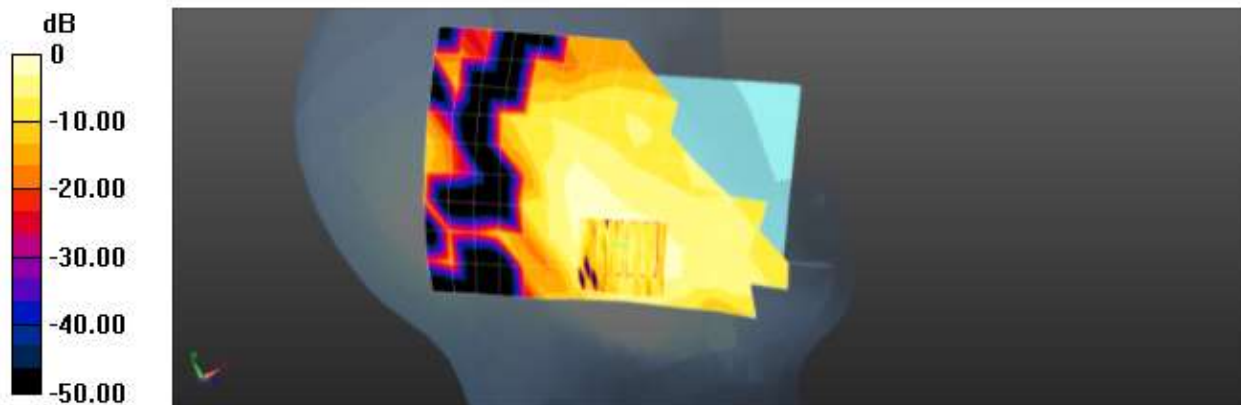
0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.2480 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0110 W/kg

SAR(1 g) = 0.0065 W/kg; SAR(10 g) = 0.00386 W/kg

Maximum value of SAR (measured) = 0.00790 W/kg



0 dB = 0.00790 W/kg = -21.02 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.5 °C
Ambient Temperature: 21.6 °C
Test Date: 01/202022
Plot No.: 14

Communication System: UID 0, LTE Band 40 (0); Communication System Band: LTE Band 40; Frequency: 2355 MHz; Communication System PAR: 1.988 dB; Medium parameters used (interpolated): $f = 2355$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 39.822$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2355 MHz; Calibrated: 2021-07-28
 - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = -1.0, 32.0$
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

LTE Band 40 Head Left Touch QPSK 10MHz 25RB 0offset 39200ch/Area Scan (10x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.00660 W/kg

LTE Band 40 Head Left Touch QPSK 10MHz 25RB 0offset 39200ch/Zoom Scan (7x7x7)/Cube

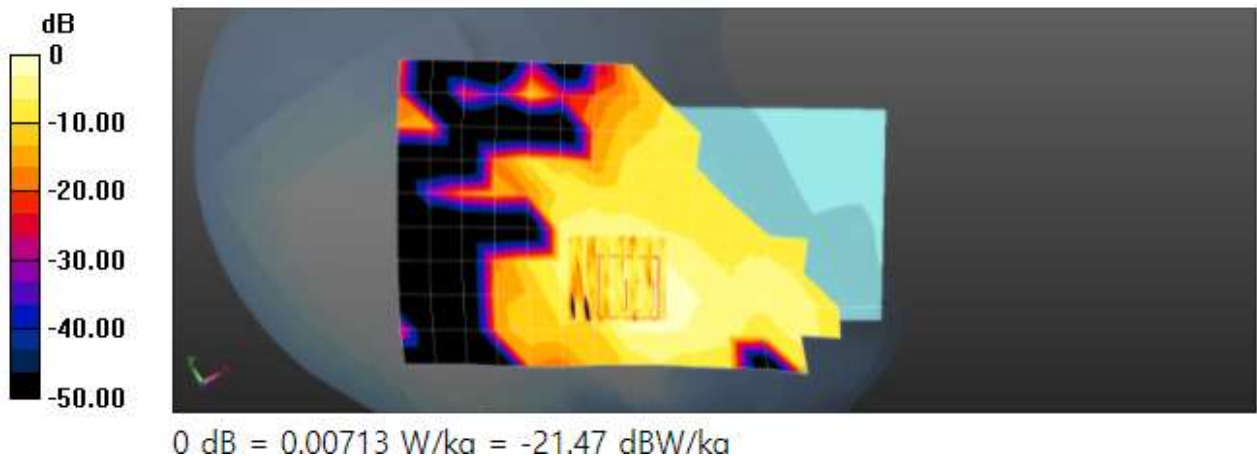
0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.0110 W/kg

SAR(1 g) = 0.00521 W/kg; SAR(10 g) = 0.00265 W/kg

Maximum value of SAR (measured) = 0.00713 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.7 °C
Ambient Temperature: 22.8 °C
Test Date: 12/24/2021
Plot No.: 15

Communication System: UID 0, LTE Band 41 (0); Frequency: 2593 MHz; Duty Cycle: 1:2.31047
Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 37.981$; $\rho = 1000$ kg/m³
Phantom section: Left Section

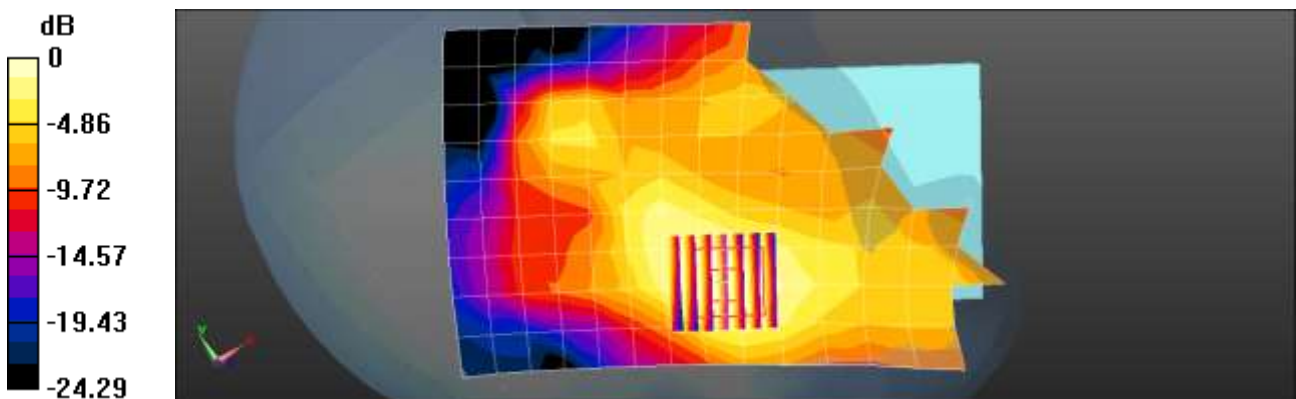
DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.38, 7.38, 7.38) @ 2593 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217
- Measurement SW: DASY52, Version 52.10 (4);

UL CA [HPUE]PCC 40620 SCC:40442

LTE Band 41 Head Left Touch QPSK 20MHz 1RB 0offset 40620ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.332 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 = 4.261 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.405 W/kg
SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.115 W/kg
Maximum value of SAR (measured) = 0.326 W/kg



0 dB = 0.326 W/kg = -4.87 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 19.2 °C
Ambient Temperature: 19.3 °C
Test Date: 01/11/2022
Plot No.: 16

Communication System: UID 0, LTE Band 48 (0); Frequency: 3690 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 3690$ MHz; $\sigma = 3.136$ S/m; $\epsilon_r = 37.331$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(7, 7, 7) @ 3690 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 48 Head Right Tilt QPSK 20MHz 1RB 0offset 56640ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.27 W/kg

LTE Band 48 Head Right Tilt QPSK 20MHz 1RB 0offset 56640ch/Zoom Scan (7x7x8)/Cube

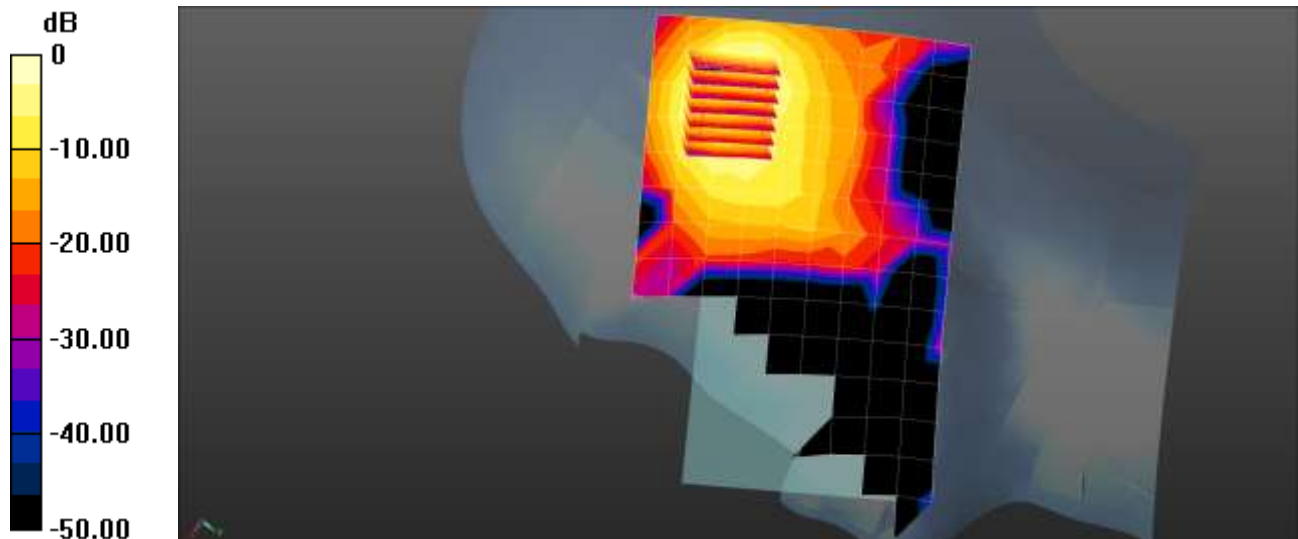
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 4.419 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.634 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.27 W/kg = 1.05 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.1 °C
Ambient Temperature: 23.2 °C
Test Date: 12/27/2021
Plot No.: 17

Communication System: UID 0, LTE Band 66 (0); Frequency: 1720 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1720$ MHz; $\sigma = 1.306$ S/m; $\epsilon_r = 41.532$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

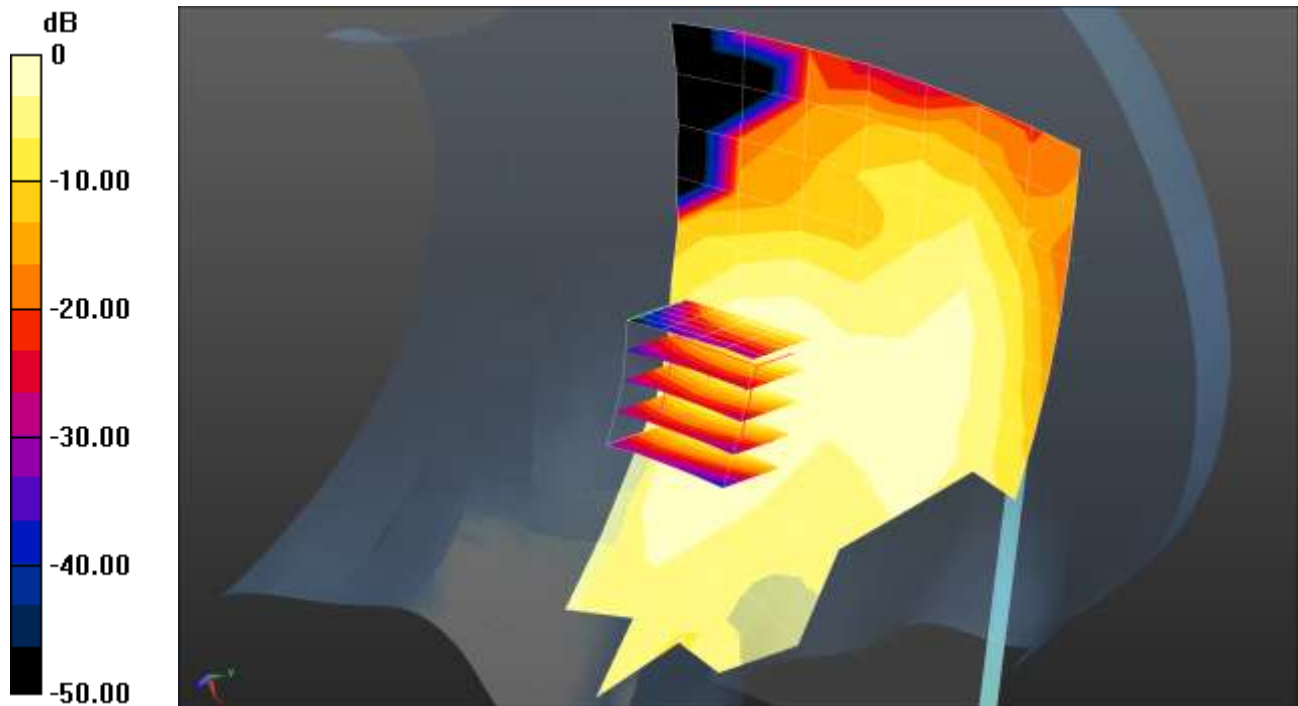
- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1720 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 66 Head Left Touch QPSK 20MHz 50RB 49offset 132072ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0782 W/kg

LTE Band 66 Head Left Touch QPSK 20MHz 50RB 49offset 132072ch/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.551 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.0910 W/kg
SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.040 W/kg
Maximum value of SAR (measured) = 0.0811 W/kg



0 dB = 0.0782 W/kg = -11.07 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/07/2021
Plot No.: 18

Communication System: UID 0, LTE Band 71 (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 43.815$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 680.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 71 Right Touch QPSK 20MHz 1RB 0offset 133297ch/Area Scan (8x13x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.156 W/kg

LTE Band 71 Right Touch QPSK 20MHz 1RB 0offset 133297ch/Zoom Scan (5x5x7)/Cube

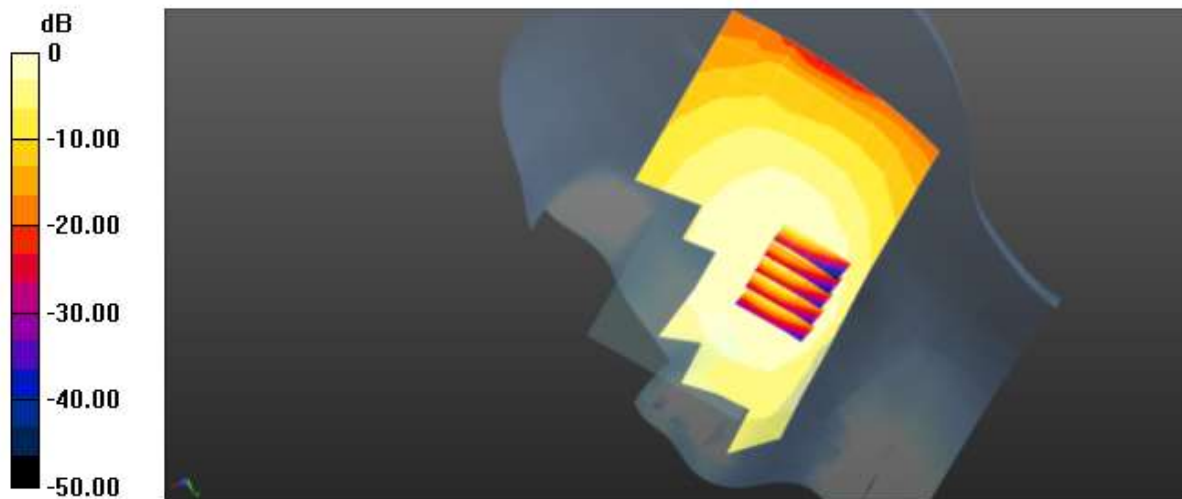
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.667 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.142 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.161 W/kg



0 dB = 0.156 W/kg = -8.08 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.2 °C
Ambient Temperature: 21.3 °C
Test Date: 01/03/2022
Plot No.: 19

Communication System: UID 0, NR n5 (0); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 40.696$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 836.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n5 Head Right Touch DFT-s QPSK 20MHz 1RB 1offset 167300ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.141 W/kg

NR Band n5 Head Right Touch DFT-s QPSK 20MHz 1RB 1offset 167300ch/Zoom Scan (5x5x7)/Cube

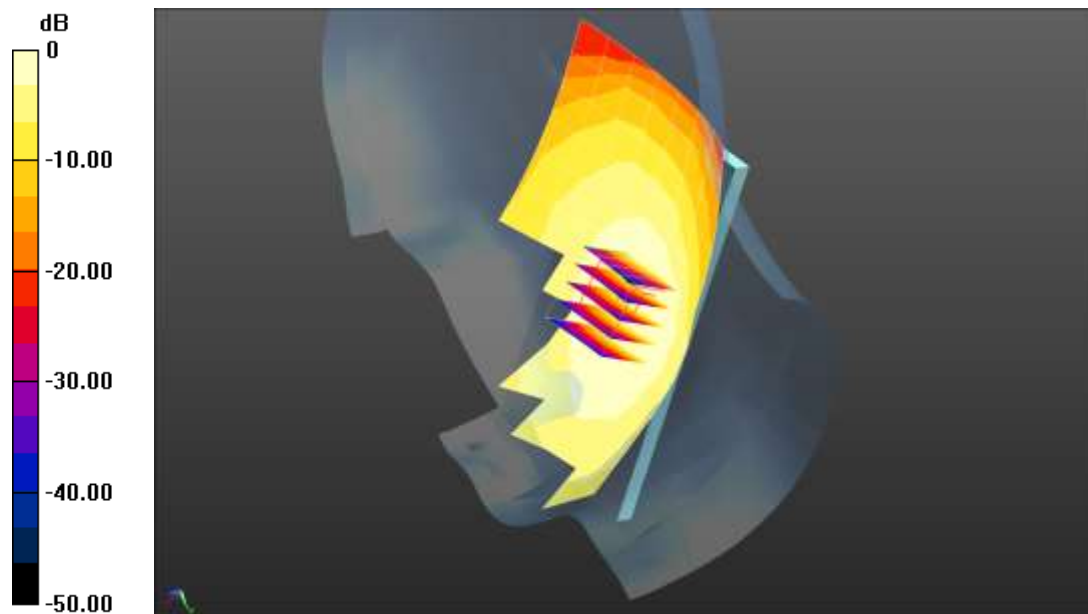
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.376 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.160 W/kg

SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.090 W/kg

Maximum value of SAR (measured) = 0.145 W/kg



0 dB = 0.141 W/kg = -8.51 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.2 °C
Ambient Temperature: 21.3 °C
Test Date: 01/04/2022
Plot No.: 20

Communication System: UID 0, NR n12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 43.227$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 707.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n12 Head Right Touch DFT-s QPSK 15MHz 1RB 1offset 141500ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.0358 W/kg

NR Band n12 Head Right Touch DFT-s QPSK 15MHz 1RB 1offset 141500ch/Zoom Scan (5x5x7)/Cube

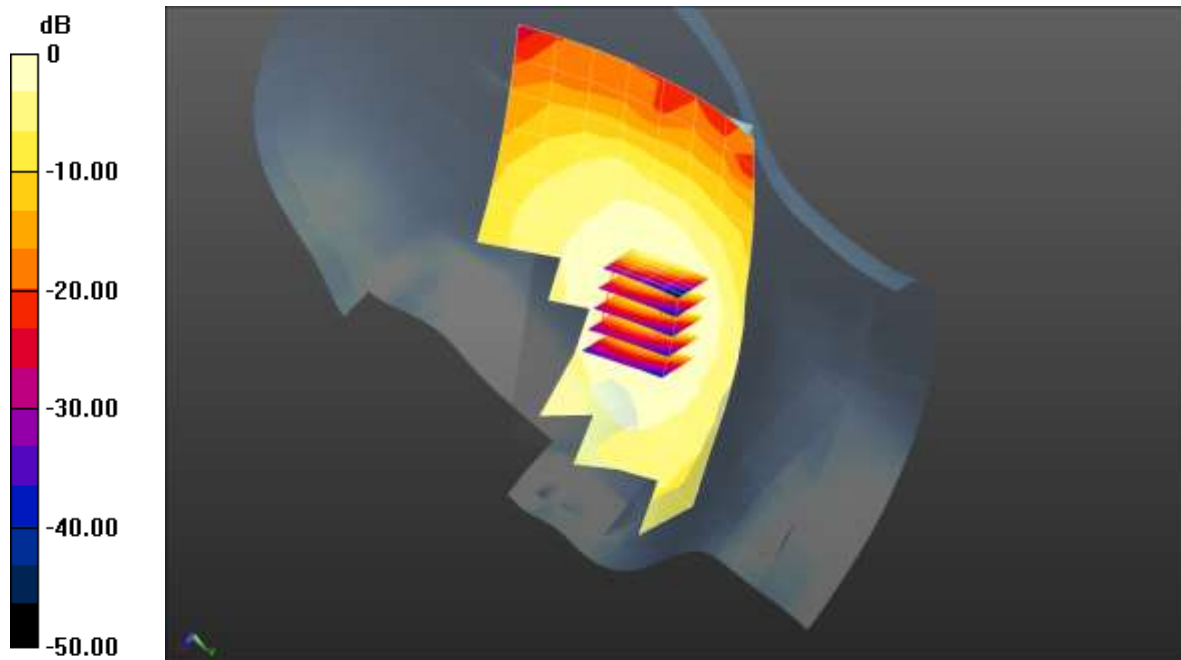
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.311 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.0410 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.026 W/kg

Maximum value of SAR (measured) = 0.0385 W/kg



0 dB = 0.0358 W/kg = -14.47 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.7 °C
Ambient Temperature: 20.8 °C
Test Date: 01/20/2022
Plot No.: 21

Communication System: UID 0, n25 (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 40.745$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1882.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n25 Head Right Touch DFT-s QPSK 20MHz 1RB 53offset 376500ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.126 W/kg

NR Band n25 Head Right Touch DFT-s QPSK 20MHz 1RB 53offset 376500ch/Zoom Scan (5x5x7)/Cube

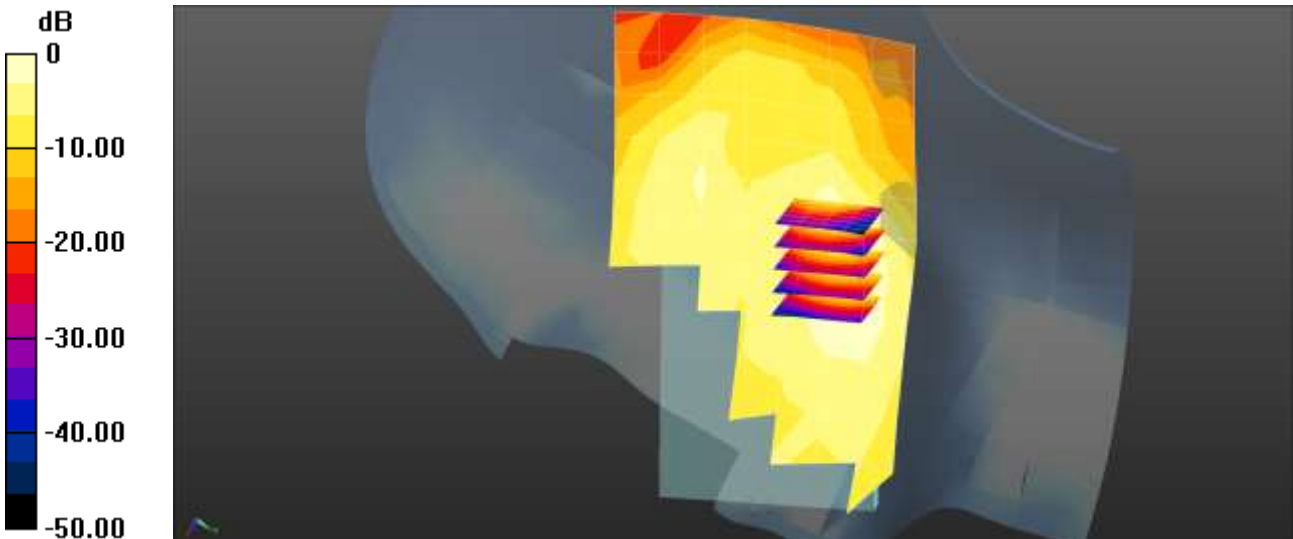
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.478 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.065 W/kg

Maximum value of SAR (measured) = 0.156 W/kg



0 dB = 0.126 W/kg = -9.01 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.7 °C
Ambient Temperature: 20.8 °C
Test Date: 01/07/2022
Plot No.: 22

Communication System: UID 0, n30 (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2310$ MHz; $\sigma = 1.718$ S/m; $\epsilon_r = 39.919$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2310 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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) = 0.277 W/kg

NR Band n30 Head Left Touch DFT-s QPSK 10MHz 25RB 14offset 462000ch/Zoom Scan (7x7x7)/Cube

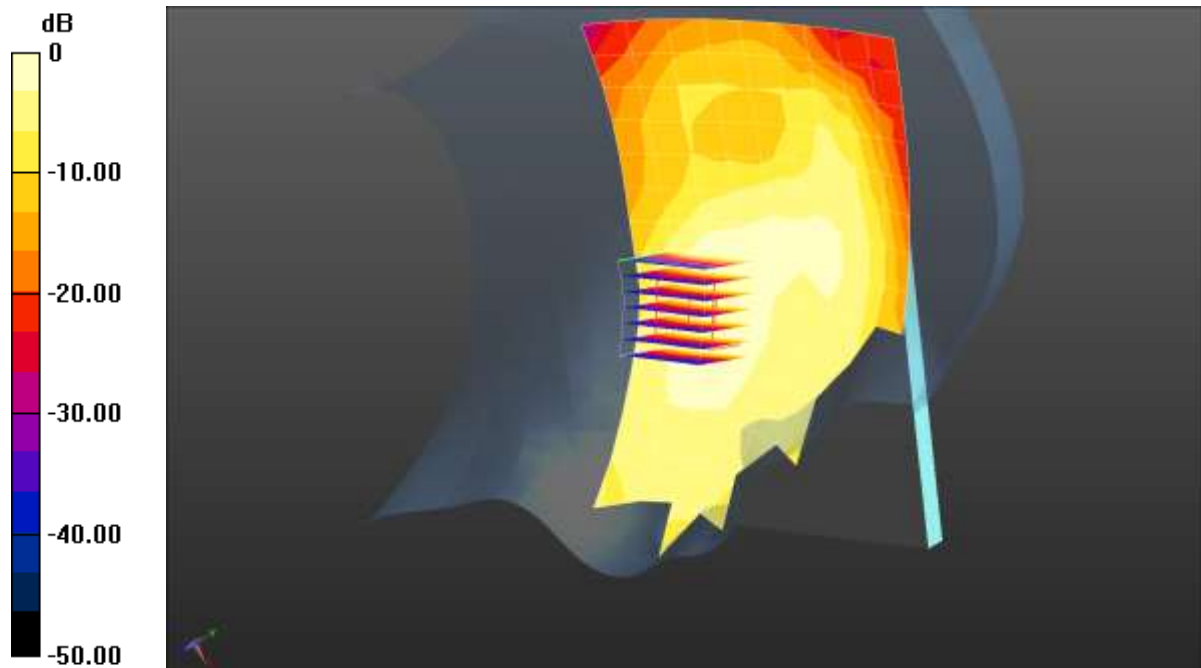
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.465 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.133 W/kg

Maximum value of SAR (measured) = 0.286 W/kg



0 dB = 0.277 W/kg = -5.58 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.3 °C
Ambient Temperature: 23.4 °C
Test Date: 01/18/2022
Plot No.: 23

Communication System: UID 0, NR Band n41 (0); Communication System Band: n41; Frequency: 2592.99 MHz; Communication System PAR: 0 dB; PMF: 1
Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.916$ S/m; $\epsilon_r = 38.128$; $\rho = 1000$ kg/m³
Phantom section: Left Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2592.99 MHz; Calibrated: 2021-03-24
 - Modulation Compensation:
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = -2.0, 31.0$
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Serial: TP:xxxx
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

NR Band n41 Head Left Touch DFT-s QPSK 1RB 137offset 518598ch/Area Scan

(10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.231 W/kg

NR Band n41 Head Left Touch DFT-s QPSK 1RB 137offset 518598ch/Zoom Scan (7x7x7)/Cube

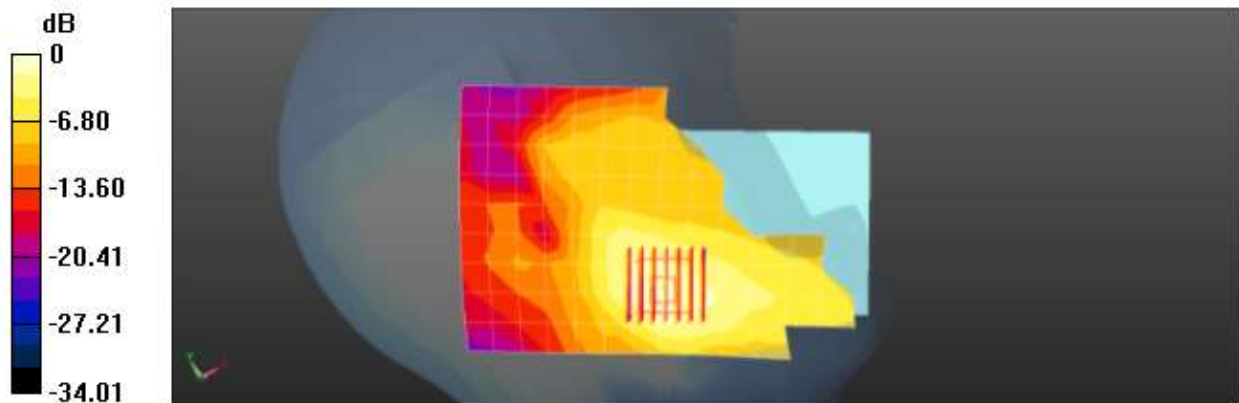
0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.383 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.077 W/kg

Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg = -6.29 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.0 °C
Ambient Temperature: 21.1 °C
Test Date: 01/17/2022
Plot No.: 24

Communication System: UID 0, NR Band n41 (0); Frequency: 2592.99 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.915$ S/m; $\epsilon_r = 38.098$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2592.99 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- 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 (7483)

NR Band n41 Head Right Touch DFT-s QPSK 100MHz 1RB 137offset 518598ch/Area Scan (10x17x1):

Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 1.13 W/kg

NR Band n41 Head Right Touch DFT-s QPSK 100MHz 1RB 137offset 518598ch/Zoom Scan

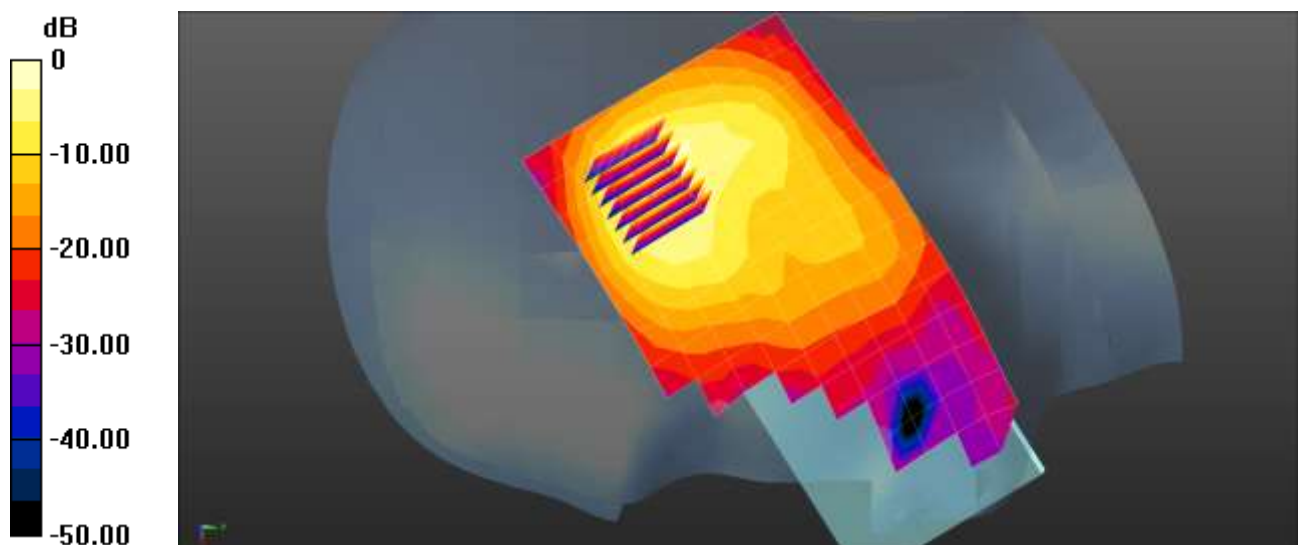
(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.75 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.6 °C
Ambient Temperature: 22.7 °C
Test Date: 01/12/2022
Plot No.: 25

Communication System: UID 0, n66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.358$ S/m; $\epsilon_r = 41.486$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1770 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band 66 Head Right Touch DFT-s QPSK 20MHz 50RB 28offset 354000ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.108 W/kg

NR Band 66 Head Right Touch DFT-s QPSK 20MHz 50RB 28offset 354000ch/Zoom Scan (5x5x7)/Cube

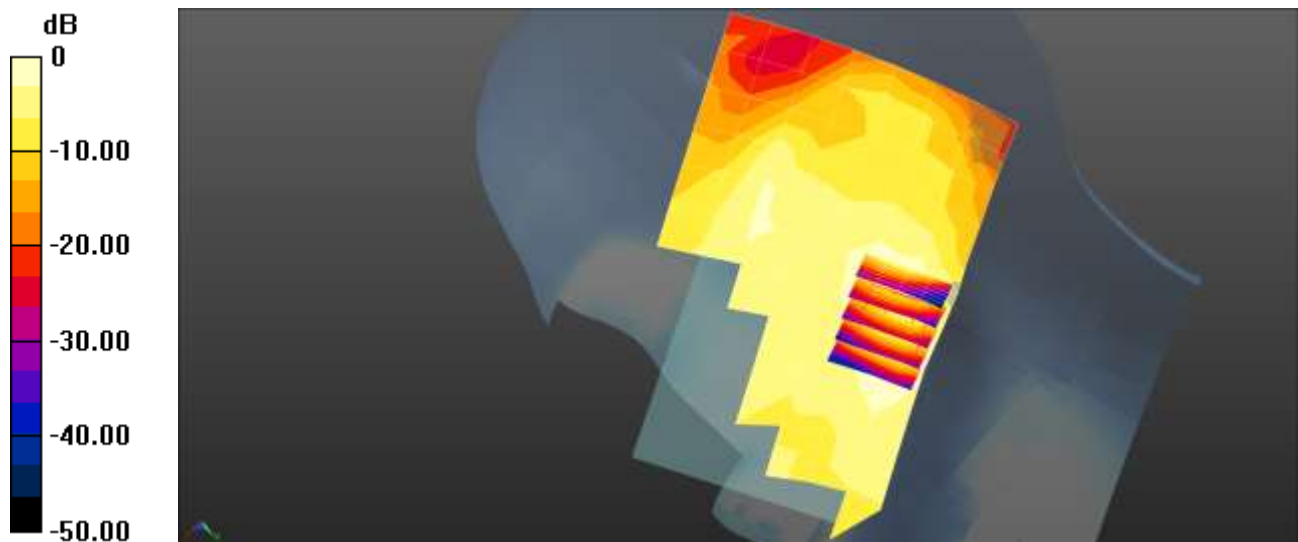
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.808 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.056 W/kg

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



0 dB = 0.108 W/kg = -9.68 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.0 °C
Ambient Temperature: 23.1 °C
Test Date: 01/05/2022
Plot No.: 26

Communication System: UID 0, NR n71 (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 42.693$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 680.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n71 Head Right Touch DFT-s QPSK 20MHz 50RB 28offset 136100ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.186 W/kg

NR Band n71 Head Right Touch DFT-s QPSK 20MHz 50RB 28offset 136100ch/Zoom Scan

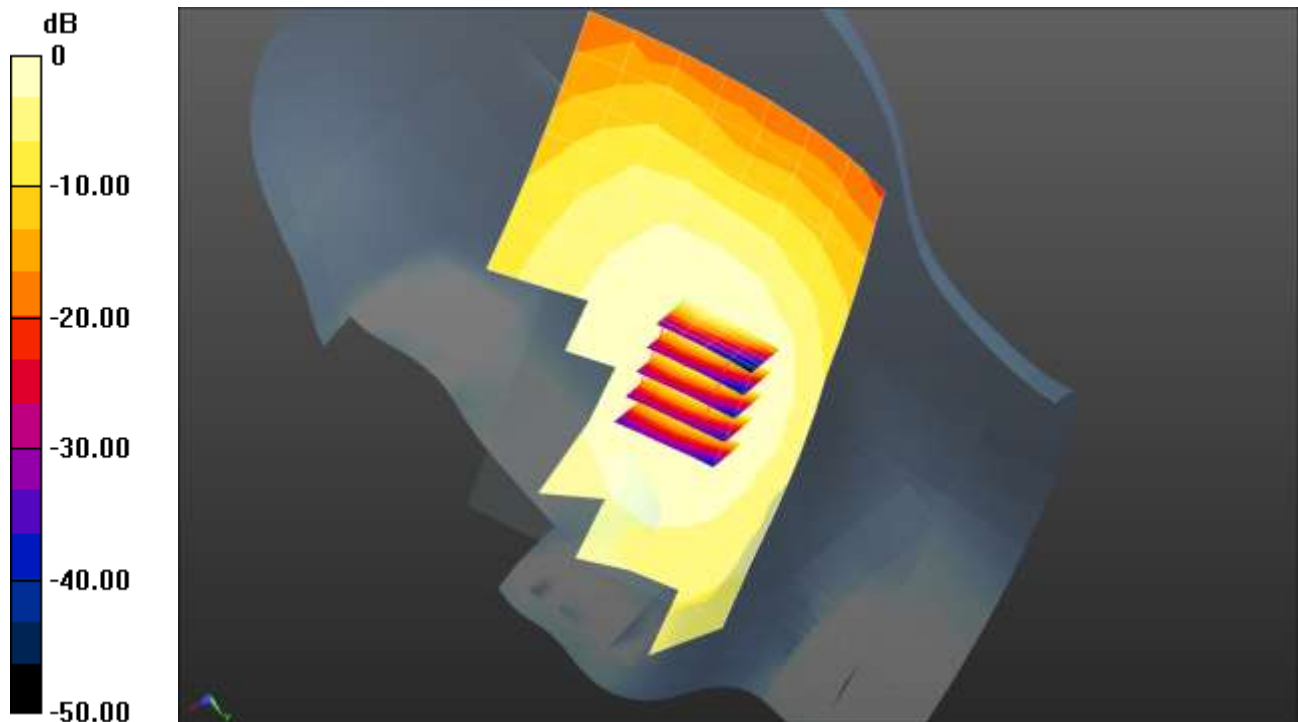
(5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.526 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.203 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.134 W/kg

Maximum value of SAR (measured) = 0.192 W/kg



0 dB = 0.186 W/kg = -7.30 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.8 °C
Ambient Temperature: 20.7 °C
Test Date: 01/11/2022
Plot No.: 27

Communication System: UID 0, n77 (0); Frequency: 3930 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3930$ MHz; $\sigma = 3.41$ S/m; $\epsilon_r = 38.07$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(6.85, 6.85, 6.85) @ 3930 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588 20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n77 Right Touch DFT-s QPSK 100MHz 1RB 271offset 662000ch/Area Scan

(10x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.23 W/kg

NR Band n77 Right Touch DFT-s QPSK 100MHz 1RB 271offset 662000ch/Zoom Scan (7x7x8)/Cube

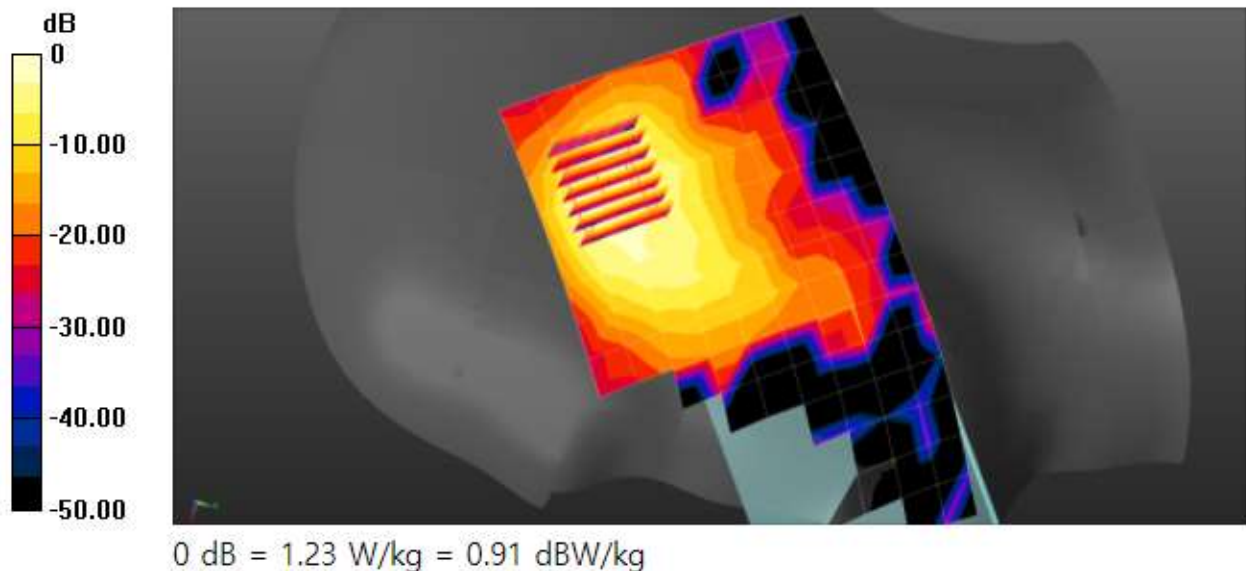
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 1.336 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 0.688 W/kg; SAR(10 g) = 0.273 W/kg

Maximum value of SAR (measured) = 1.42 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.1 °C
Ambient Temperature: 20.0 °C
Test Date: 01/13/2022
Plot No.: 28

Communication System: UID 0, n77 (0); Frequency: 3500.01 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 3500.01$ MHz; $\sigma = 2.927$ S/m; $\epsilon_r = 38.544$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.3, 7.3, 7.3) @ 3500.01 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588_20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n77 Right Touch DFT-s QPSK 100MHz 1RB 271offset 633334ch/Area Scan

(9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.948 W/kg

NR Band n77 Right Touch DFT-s QPSK 100MHz 1RB 271offset 633334ch/Zoom Scan (7x7x8)/Cube

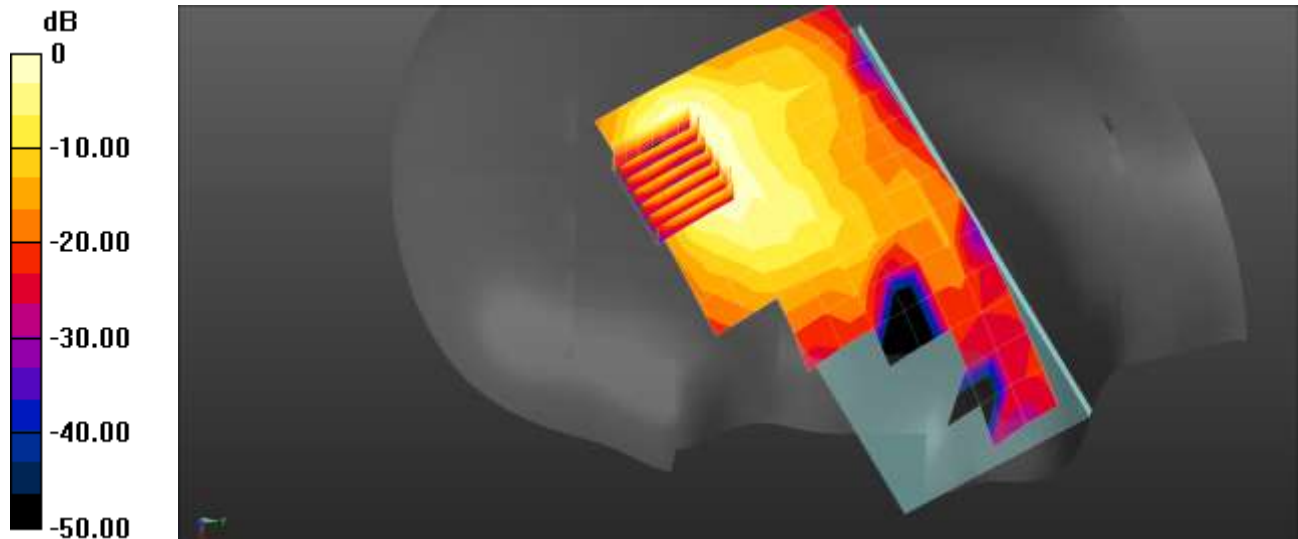
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 6.886 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.266 W/kg

Maximum value of SAR (measured) = 1.16 W/kg



0 dB = 0.948 W/kg = -0.23 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.8 °C
Ambient Temperature: 21.9 °C
Test Date: 12/29/2021
Plot No.: 29

Communication System: UID 0, 2450MHz FCC (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.752$ S/m; $\epsilon_r = 37.86$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2437 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

802.11b Head Right Touch 1Mbps 6ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.580 W/kg

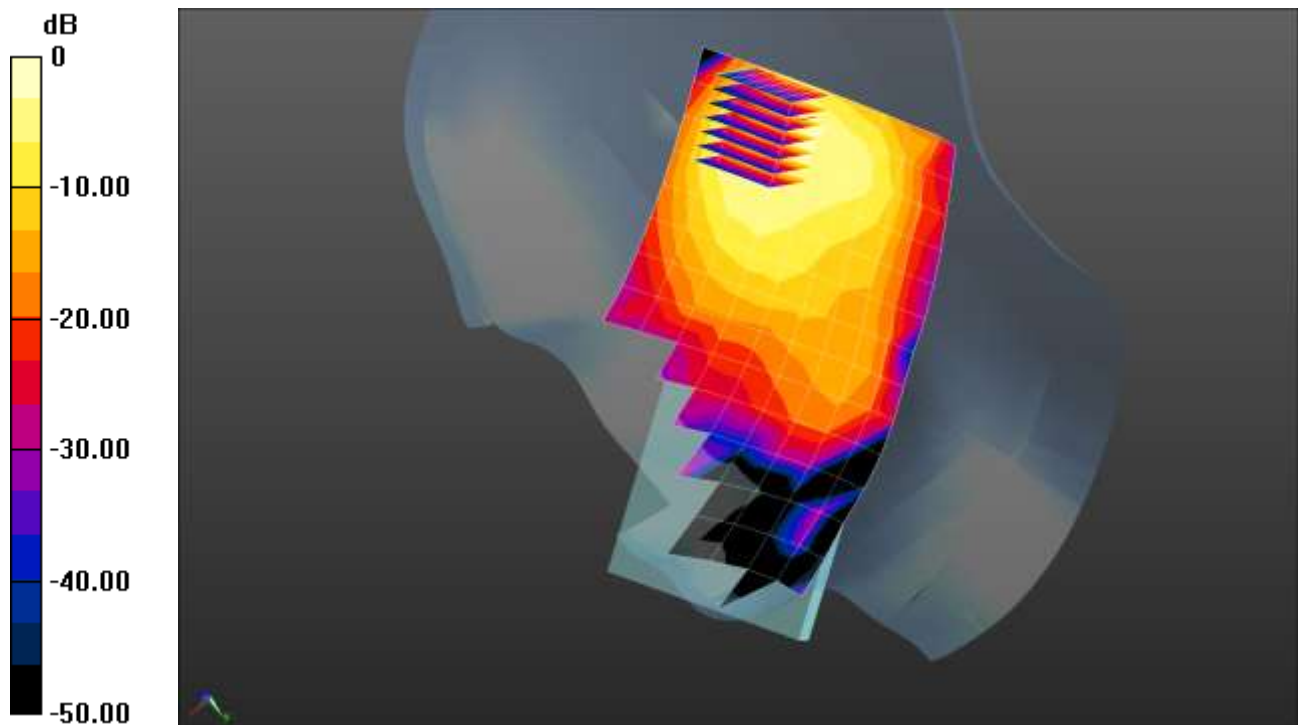
802.11b Head Right Touch 1Mbps 6ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.15 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.168 W/kg

Maximum value of SAR (measured) = 0.687 W/kg



0 dB = 0.580 W/kg = -2.37 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 18.5 °C
Ambient Temperature: 18.6 °C
Test Date: 01/03/2022
Plot No.: 30

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5290 \text{ MHz}$; $\sigma = 4.675 \text{ S/m}$; $\epsilon_r = 35.872$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(5.55, 5.55, 5.55) @ 5290 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

802.11ac80 Head Right Touch MCS0 58ch/Area Scan (12x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.260 W/kg

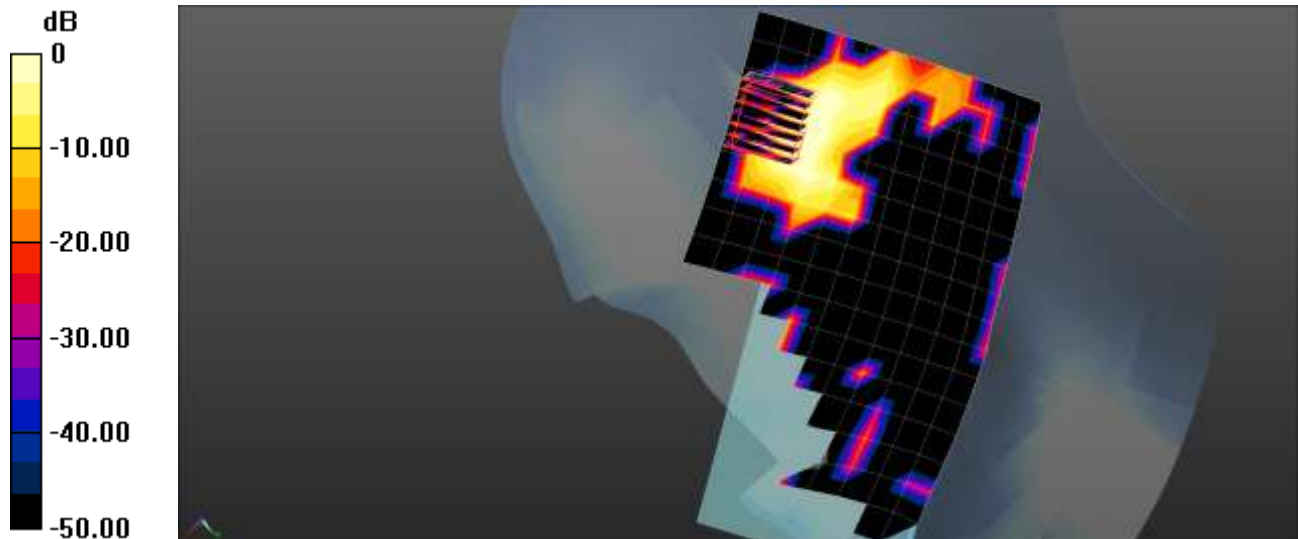
802.11ac80 Head Right Touch MCS0 58ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 1.261 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.403 W/kg



0 dB = 0.260 W/kg = -5.85 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/30/2021
Plot No.: 31

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1: 1.304

Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 37.785$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2441 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217
- Measurement SW: DASY52, Version 52.10 (4);

Bluetooth Head Right Touch DH5 39ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.100 W/kg

Bluetooth Head Right Touch DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.744 V/m; Power Drift = 0.11 dB

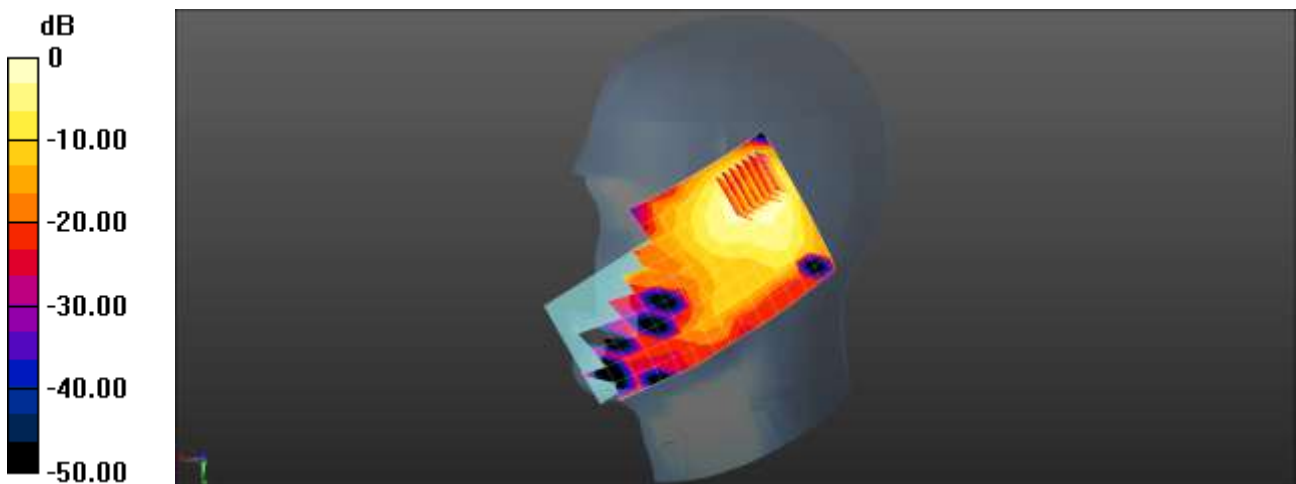
Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.075 W/kg; SAR(10 g) = 0.035 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

Ratio of SAR at M2 to SAR at M1 = 40.2%

Maximum value of SAR (measured) = 0.137 W/kg



0 dB = 0.100 W/kg = -9.99 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.5 °C
Ambient Temperature: 21.6 °C
Test Date: 12/15/2021
Plot No.: 32

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; $\sigma = 0.939$ S/m; $\epsilon_r = 41.032$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 836.6 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GSM850 3Tx Body Rear 190ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.356 W/kg

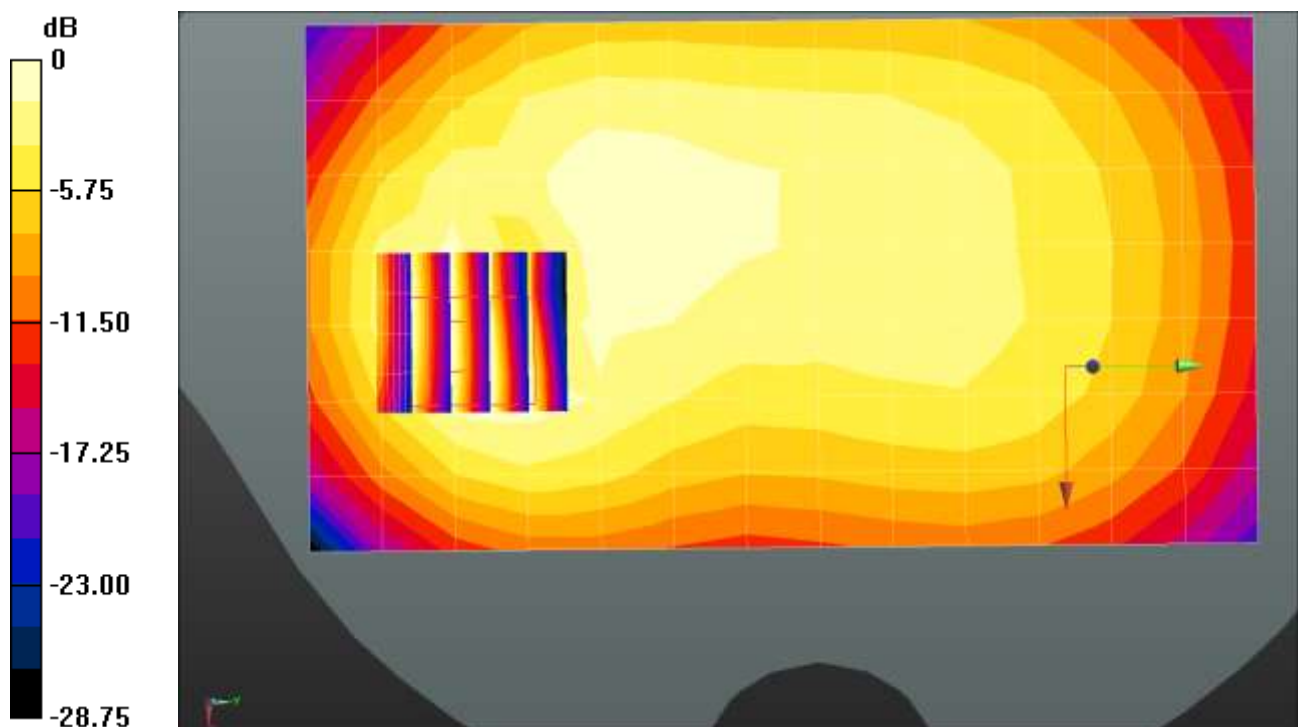
GSM850 3Tx Body Rear 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.29 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.430 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.148 W/kg

Maximum value of SAR (measured) = 0.364 W/kg



0 dB = 0.356 W/kg = -4.49 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.4 °C
Ambient Temperature: 22.5 °C
Test Date: 12/16/2021
Plot No.: 33

Communication System: UID 0, GSM 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 39.051$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1880 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GSM1900 Body worn Rear 661ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.414 W/kg

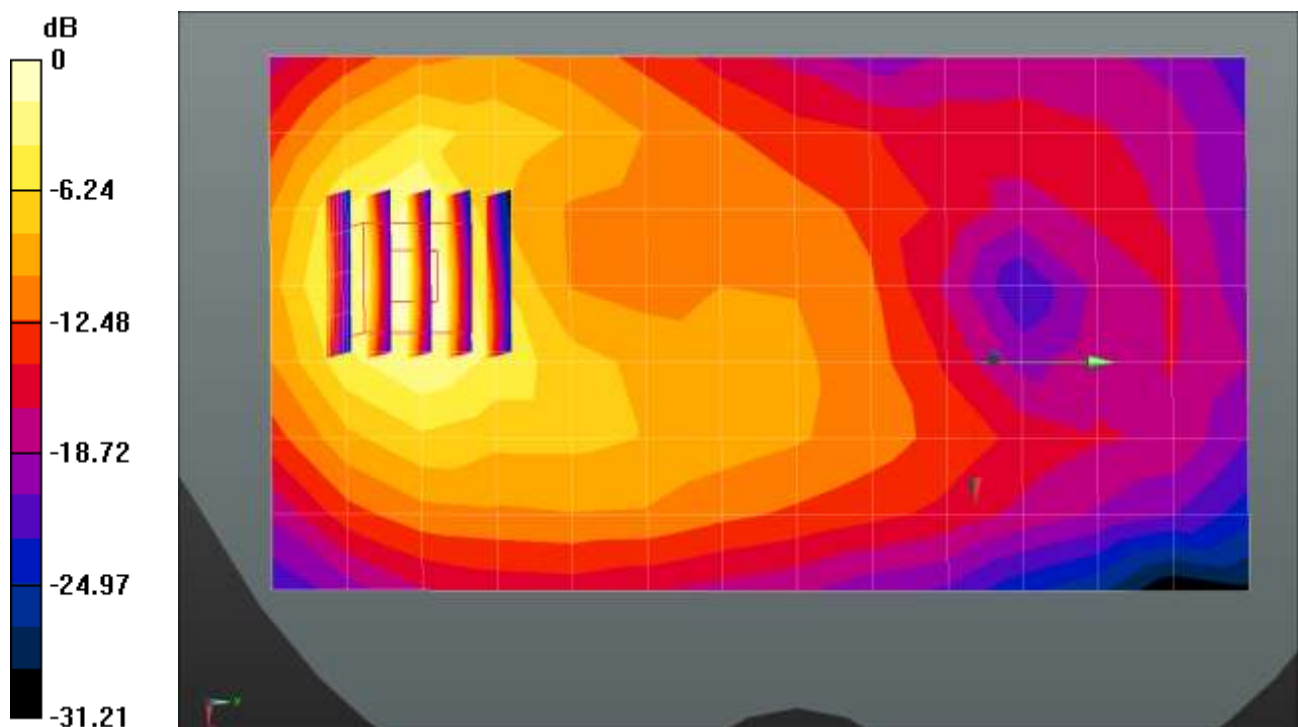
GSM1900 Body worn Rear 661ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.451 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.436 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 12/22/2021
Plot No.: 34

Communication System: UID 0, WCDMA850 (0); Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 41.484$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 826.4 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

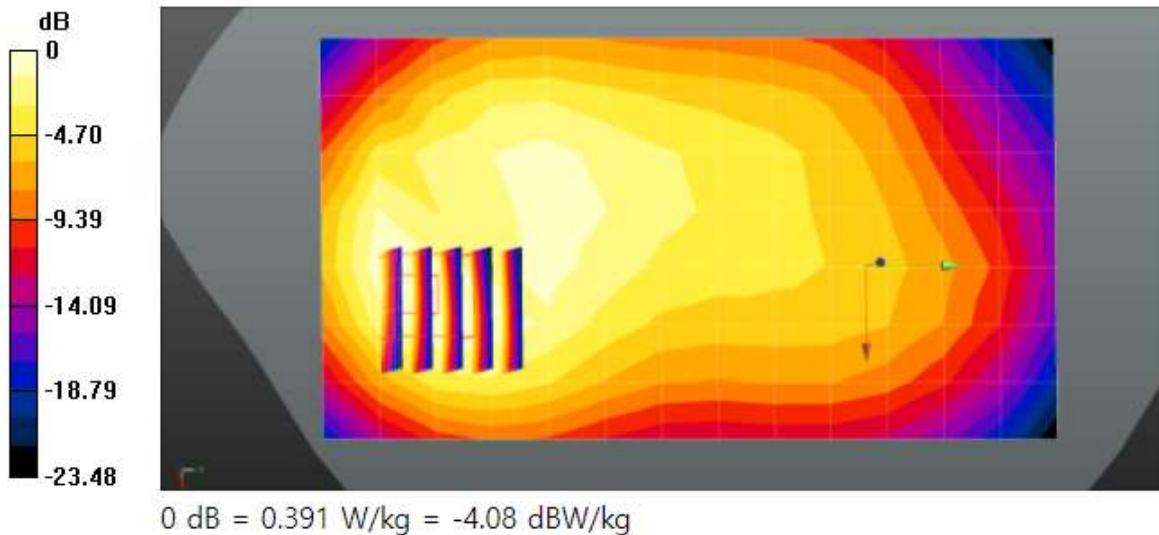
UMTS Band 5 BodyWorn Rear 4132ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.391 W/kg

UMTS Band 5 BodyWorn Rear 4132ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.24 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.500 W/kg

SAR(1 g) = 0.293 W/kg; SAR(10 g) = 0.174 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.5 °C
Ambient Temperature: 22.6 °C
Test Date: 12/21/2021
Plot No.: 35

Communication System: UID 0, WCDMA IV (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.328$ S/m; $\epsilon_r = 41.393$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1732.4 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

UMTS Band 4 BodyWorn Rear 1412ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.368 W/kg

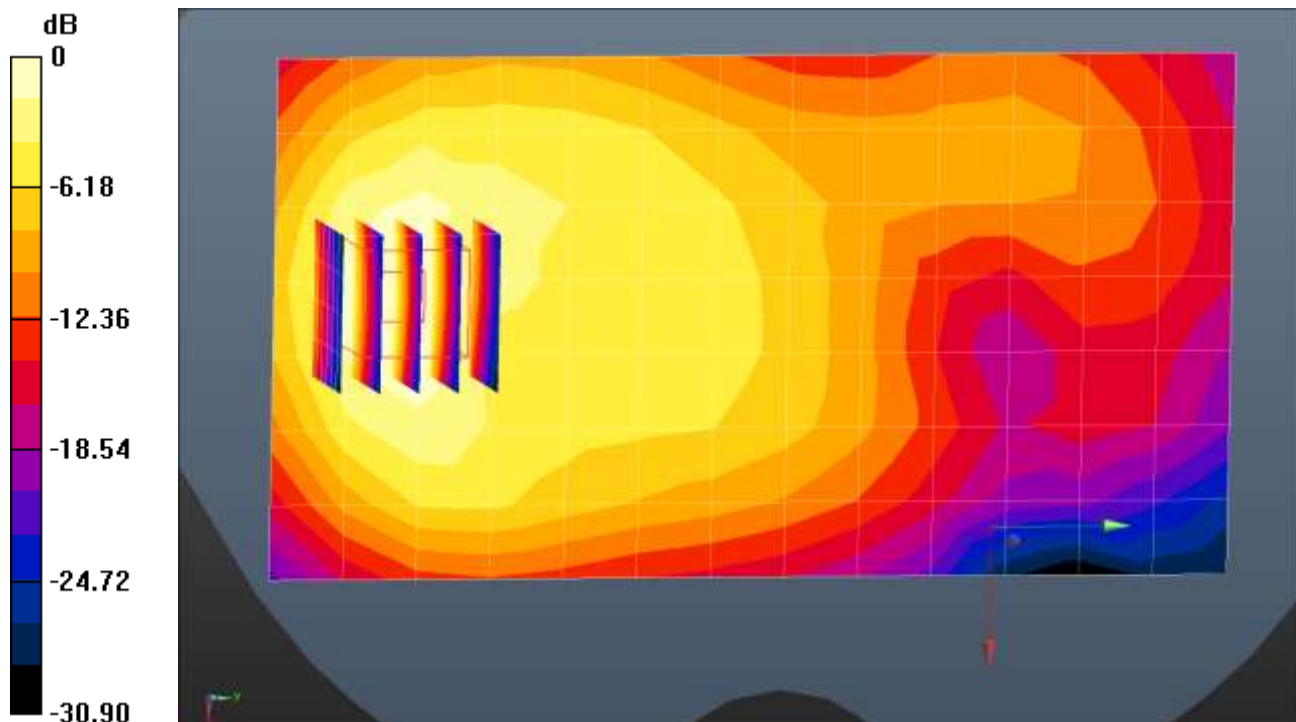
UMTS Band 4 BodyWorn Rear 1412ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.058 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.302 W/kg; SAR(10 g) = 0.185 W/kg

Maximum value of SAR (measured) = 0.410 W/kg



0 dB = 0.368 W/kg = -4.35 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/17/2021
Plot No.: 36

Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 38.682$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1880 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

UMTS Band 2 BodyWorn Rear 9400ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.770 W/kg

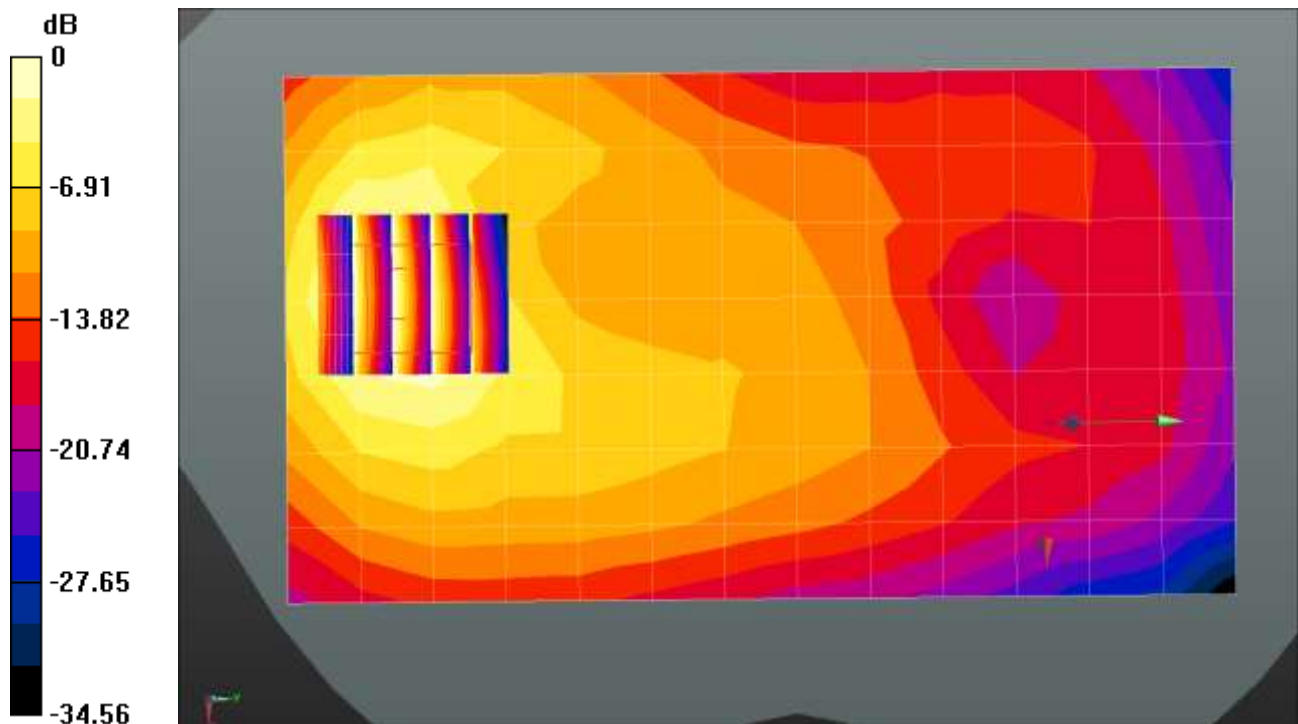
UMTS Band 2 BodyWorn Rear 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.544 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.384 W/kg

Maximum value of SAR (measured) = 0.997 W/kg



0 dB = 0.770 W/kg = -1.14 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.0 °C
Ambient Temperature: 22.1 °C
Test Date: 12/23/2021
Plot No.: 37

Communication System: UID 0, LTE Band 7 (0); Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 1.92$ S/m; $\epsilon_r = 38.094$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.38, 7.38, 7.38) @ 2560 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 7 BodyWorn Rear QPSK 20MHz 1RB 0offset 21350ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.342 W/kg

LTE Band 7 BodyWorn Rear QPSK 20MHz 1RB 0offset 21350ch/Zoom Scan (7x7x7)/Cube

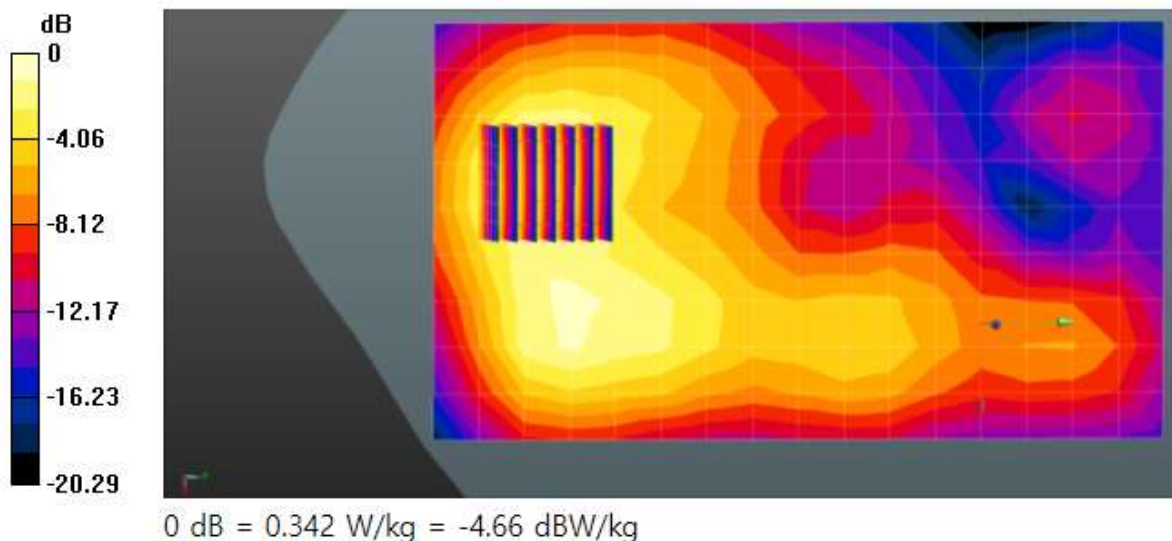
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.326 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.121 W/kg

Maximum value of SAR (measured) = 0.379 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.5 °C
Ambient Temperature: 22.6 °C
Test Date: 12/01/2021
Plot No.: 38

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 43.23$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 707.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 12 BodyWorn Rear QPSK 10MHz 1RB 0offset 23095ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.297 W/kg

LTE Band 12 BodyWorn Rear QPSK 10MHz 1RB 0offset 23095ch/Zoom Scan (5x5x7)/Cube

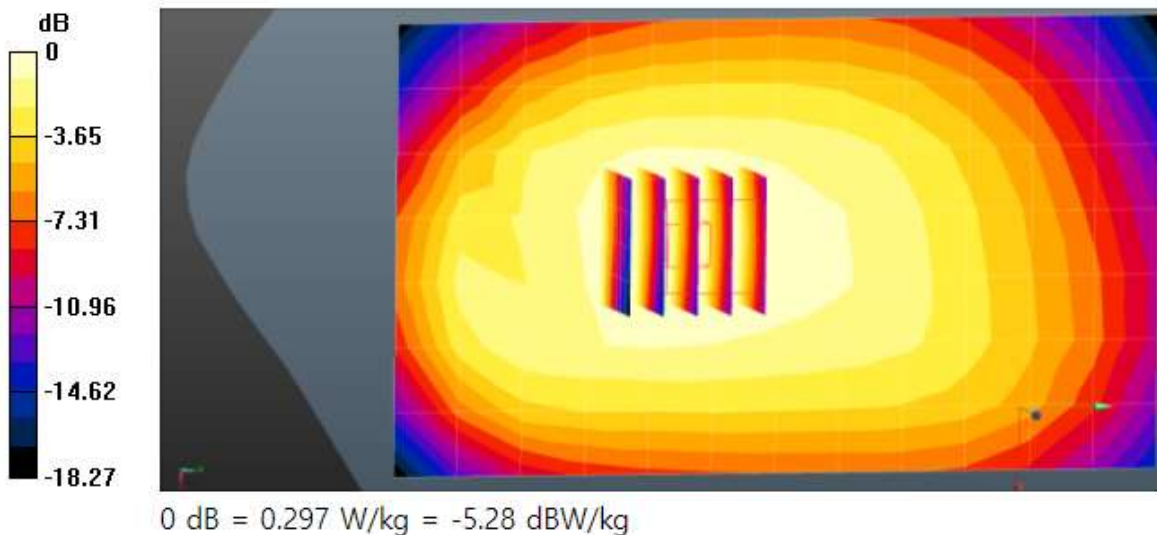
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.40 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.190 W/kg

Maximum value of SAR (measured) = 0.299 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.4 °C
Ambient Temperature: 21.5 °C
Test Date: 12/02/2021
Plot No.: 39

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 42.091$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 782 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 13 BodyWorn Rear QPSK 10MHz 1RB 0offset 23230ch/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.387 W/kg

LTE Band 13 BodyWorn Rear QPSK 10MHz 1RB 0offset 23230ch/Zoom Scan (5x5x7)/Cube

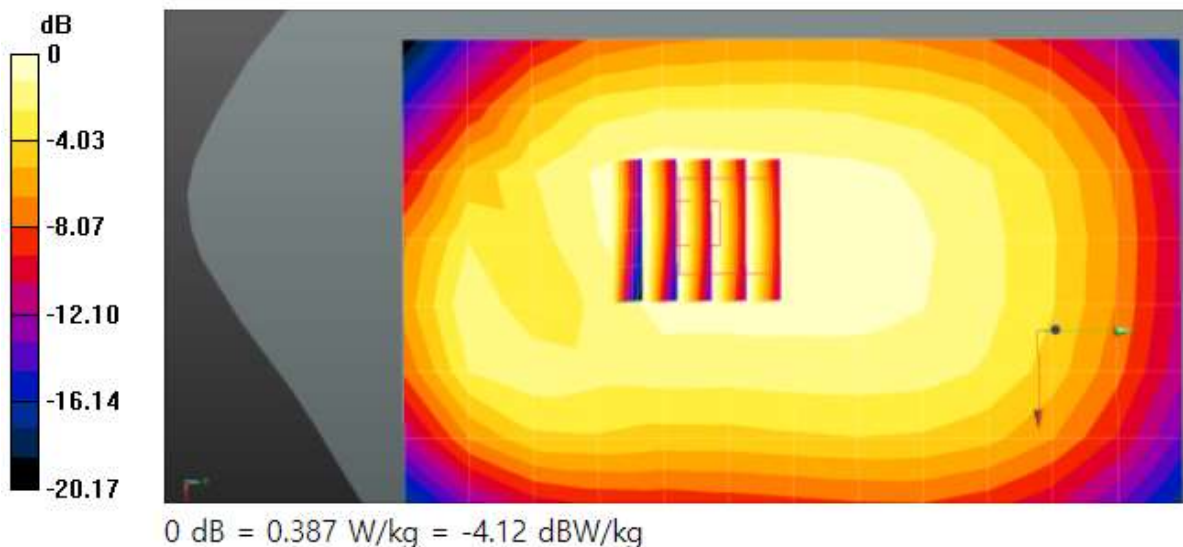
0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.33 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.321 W/kg; SAR(10 g) = 0.243 W/kg

Maximum value of SAR (measured) = 0.387 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.3 °C
Ambient Temperature: 21.4 °C
Test Date: 12/03/2021
Plot No.: 40

Communication System: UID 0, LTE 14 (0); Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.922 \text{ S/m}$; $\epsilon_r = 41.967$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 793 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 14 BodyWorn Rear QPSK 10MHz 1RB 0offset 23330ch/Area Scan (8x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.377 W/kg

LTE Band 14 BodyWorn Rear QPSK 10MHz 1RB 0offset 23330ch/Zoom Scan (5x5x7)/Cube

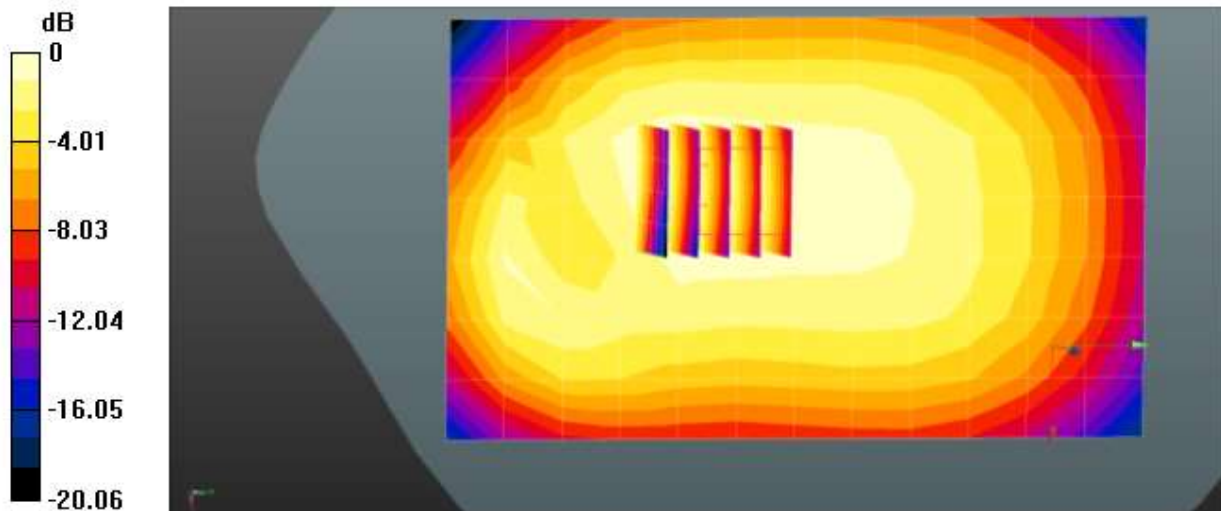
0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.47 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.421 W/kg

SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.237 W/kg

Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.377 W/kg = -4.24 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.4 °C
Ambient Temperature: 21.5 °C
Test Date: 12/08/2021
Plot No.: 41

Communication System: UID 0, LTE Band 25 (0); Frequency: 1905 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 40.871$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1905 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 25 Body worn Rear QPSK 20MHz 1RB 49offset 26590ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.708 W/kg

LTE Band 25 Body worn Rear QPSK 20MHz 1RB 49offset 26590ch/Zoom Scan (5x5x7)/Cube

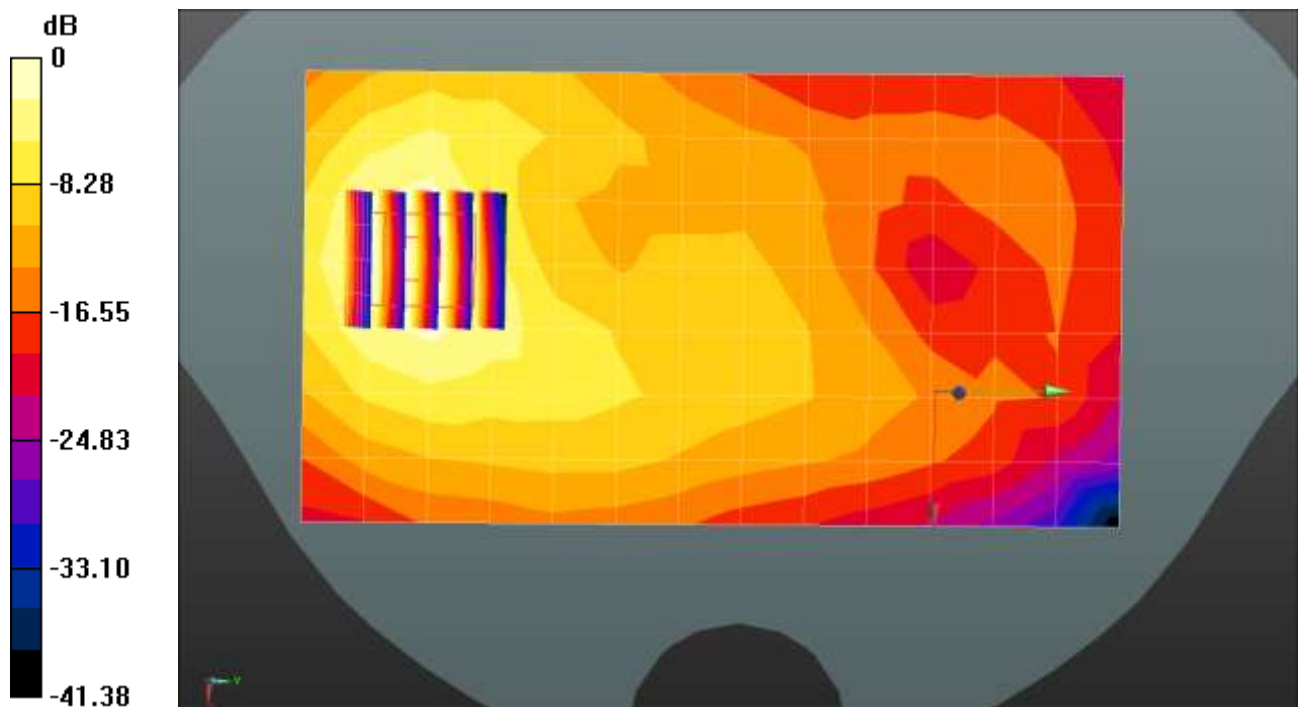
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.417 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.852 W/kg

SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.277 W/kg

Maximum value of SAR (measured) = 0.725 W/kg



0 dB = 0.708 W/kg = -1.50 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.4 °C
Ambient Temperature: 22.5 °C
Test Date: 12/06/2021
Plot No.: 42

Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 41.698$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 831.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 26 BodyWorn Rear QPSK 15MHz 1RB 0offset 26865ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.345 W/kg

LTE Band 26 BodyWorn Rear QPSK 15MHz 1RB 0offset 26865ch/Zoom Scan (5x5x7)/Cube

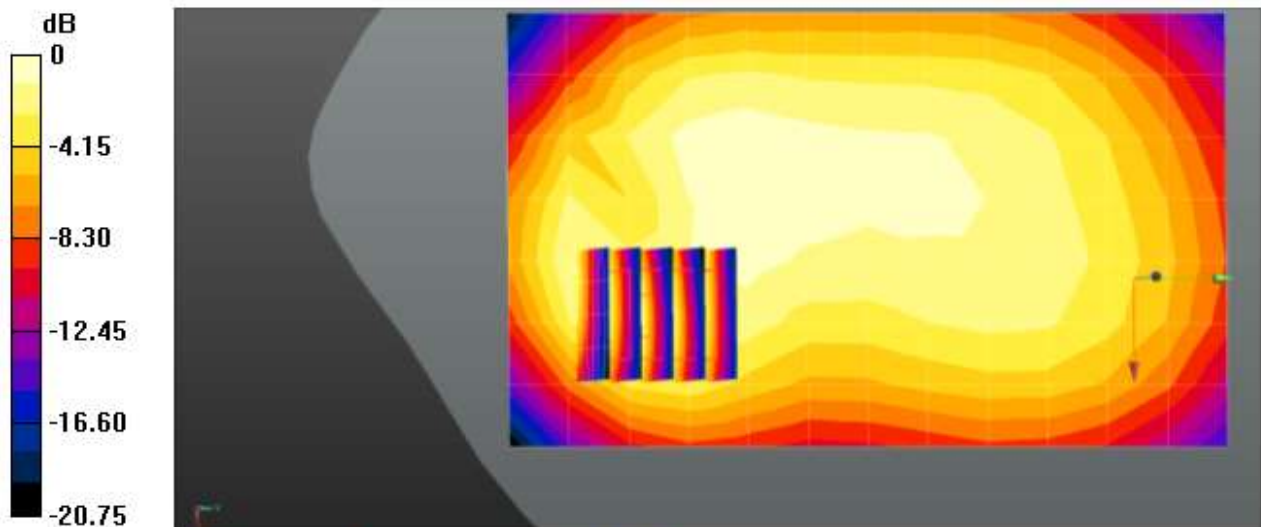
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.55 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.413 W/kg

SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.352 W/kg



0 dB = 0.345 W/kg = -4.62 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 12/10/2021
Plot No.: 43

Communication System: UID 0, LTE Band 30 (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2310$ MHz; $\sigma = 1.718$ S/m; $\epsilon_r = 39.931$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7679; ConvF(8.27, 8.27, 8.27) @ 2310 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 30 BodyWorn Rear QPSK 10MHz 1RB 0offset 27710ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.276 W/kg

LTE Band 30 BodyWorn Rear QPSK 10MHz 1RB 0offset 27710ch/Zoom Scan (7x7x7)/Cube

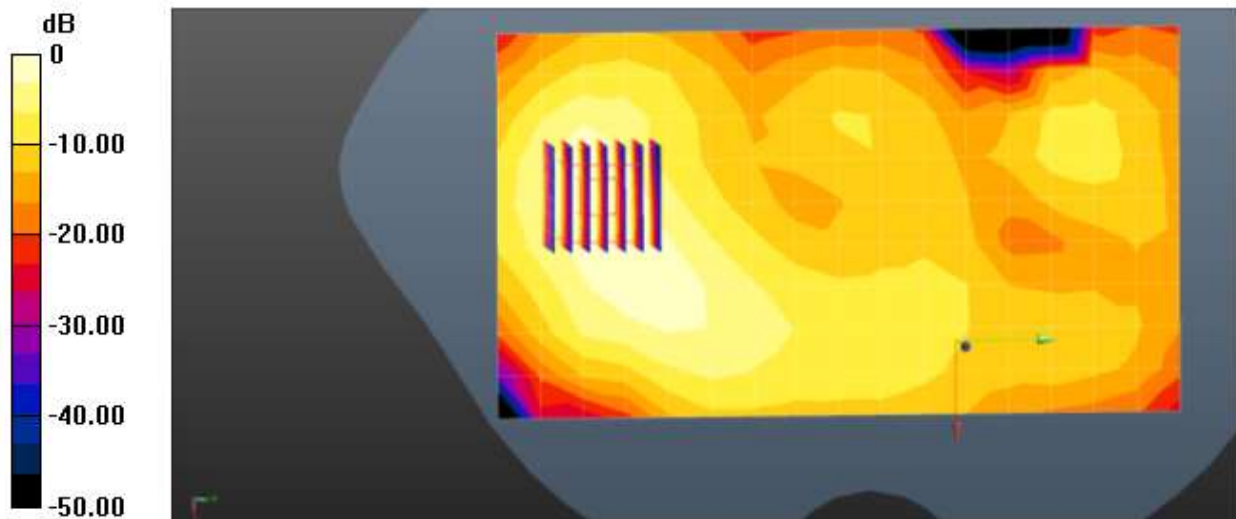
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.566 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.361 W/kg

SAR(1 g) = 0.187 W/kg; SAR(10 g) = 0.097 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



0 dB = 0.276 W/kg = -5.59 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 01/19/2022
Plot No.: 44

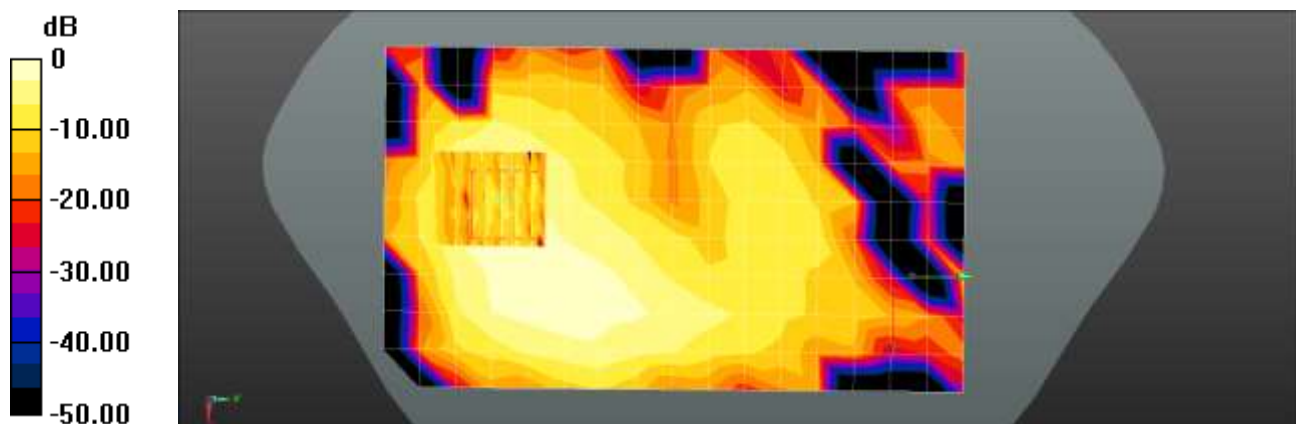
Communication System: UID 0, LTE Band 40 (0); Communication System Band: LTE Band 40; Frequency: 2310 MHz; Communication Medium parameters used: $f = 2310$ MHz; $\sigma = 1.721$ S/m; $\epsilon_r = 39.92$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2310 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = -1.0, 32.0$
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

LTE Band 40 BodyWorn Rear QPSK 10MHz 25RB 0offset 38750ch/Area Scan (10x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0110 W/kg

LTE Band 40 BodyWorn Rear QPSK 10MHz 25RB 0offset 38750ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 0.5200 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.0180 W/kg
SAR(1 g) = 0.00915 W/kg; SAR(10 g) = 0.0047 W/kg
Maximum value of SAR (measured) = 0.0116 W/kg



0 dB = 0.0116 W/kg = -19.36 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.5 °C
Ambient Temperature: 21.6 °C
Test Date: 01/20/2022
Plot No.: 45

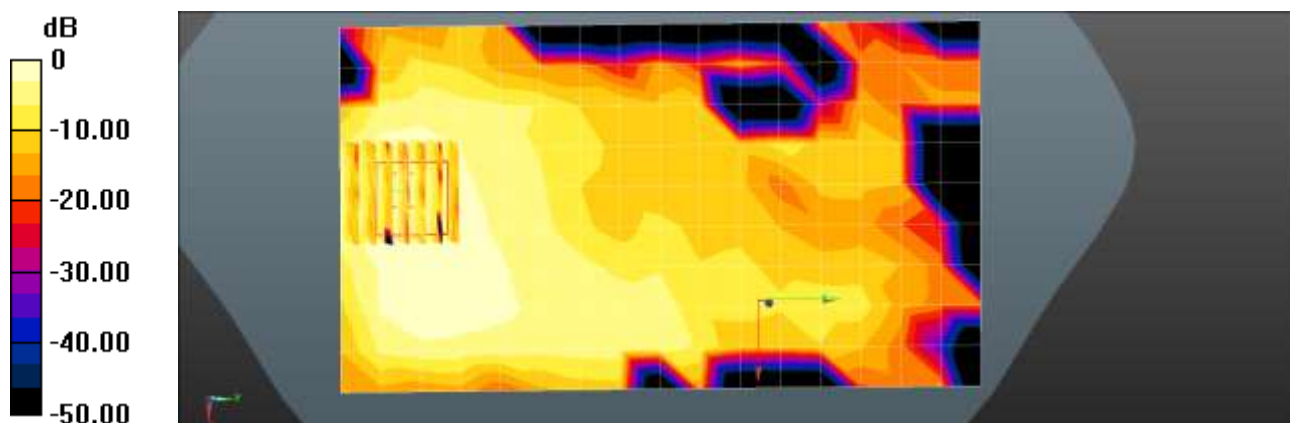
Communication System: UID 0, LTE Band 40 (0); Communication System Band: LTE Band 40; Frequency: 2355 MHz; Communication Medium parameters used (interpolated): $f = 2355$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 39.822$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2355 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = -1.0, 32.0$
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- DASYS 52.10.4(1527); SEMCAD X 14.6.14(7483)

LTE Band 40 BodyWorn Rear QPSK 10MHz 25RB 0offset 39200ch/Area Scan (10x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.00806 W/kg

LTE Band 40 BodyWorn Rear QPSK 10MHz 25RB 0offset 39200ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 0.5600 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.0140 W/kg
SAR(1 g) = 0.0073 W/kg; SAR(10 g) = 0.00385 W/kg
Maximum value of SAR (measured) = 0.00910 W/kg



0 dB = 0.00910 W/kg = -20.41 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.7°C
Ambient Temperature: 22.8 °C
Test Date: 12/24/2021
Plot No.: 46

Communication System: UID 0, LTE Band 41 (0); Frequency: 2593 MHz;Duty Cycle: 1:2.31047
Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 37.981$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.38, 7.38, 7.38) @ 2593 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 41 BodyWorn Rear QPSK 20MHz 1RB 0offset 40620ch/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.316 W/kg

LTE Band 41 BodyWorn Rear QPSK 20MHz 1RB 0offset 40620ch/Zoom Scan (7x7x7)/Cube

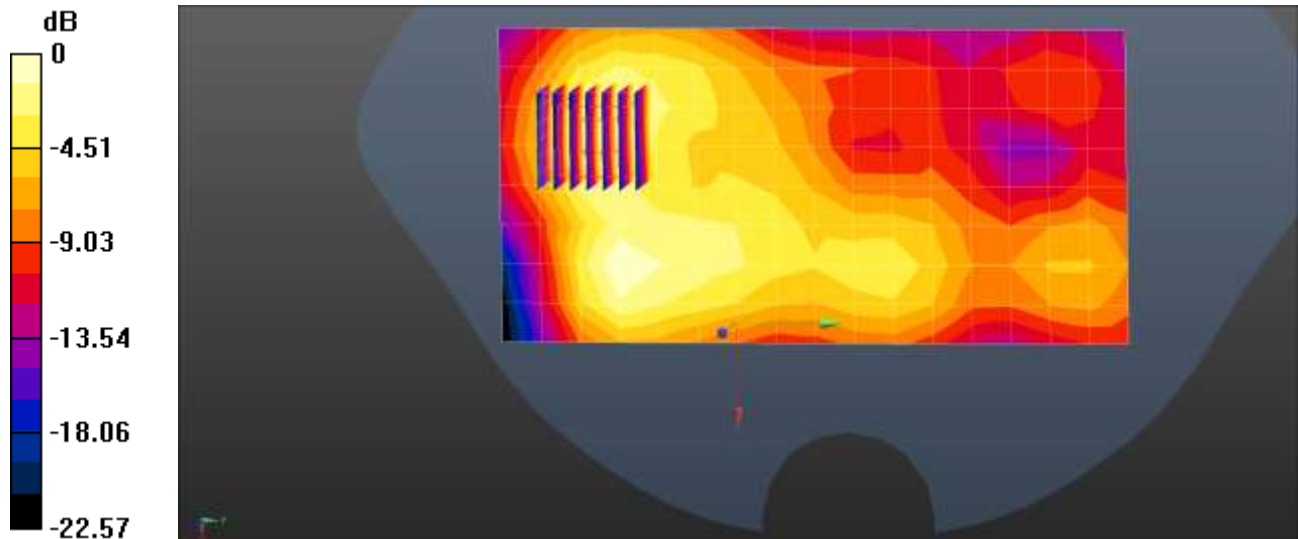
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.375 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.368 W/kg



0 dB = 0.316 W/kg = -5.00 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 19.2 °C
Ambient Temperature: 19.3 °C
Test Date: 01/11/2022
Plot No.: 47

Communication System: UID 0, LTE Band 48 (0); Frequency: 3670.02 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 3670.02$ MHz; $\sigma = 3.102$ S/m; $\epsilon_r = 37.408$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(7, 7, 7) @ 3670.02 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 48 BodyWorn Rear QPSK 20MHz 1RB 99offset 56442ch ULCA/Area Scan

(10x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.483 W/kg

LTE Band 48 BodyWorn Rear QPSK 20MHz 1RB 99offset 56442ch ULCA/Zoom Scan (7x7x8)/Cube

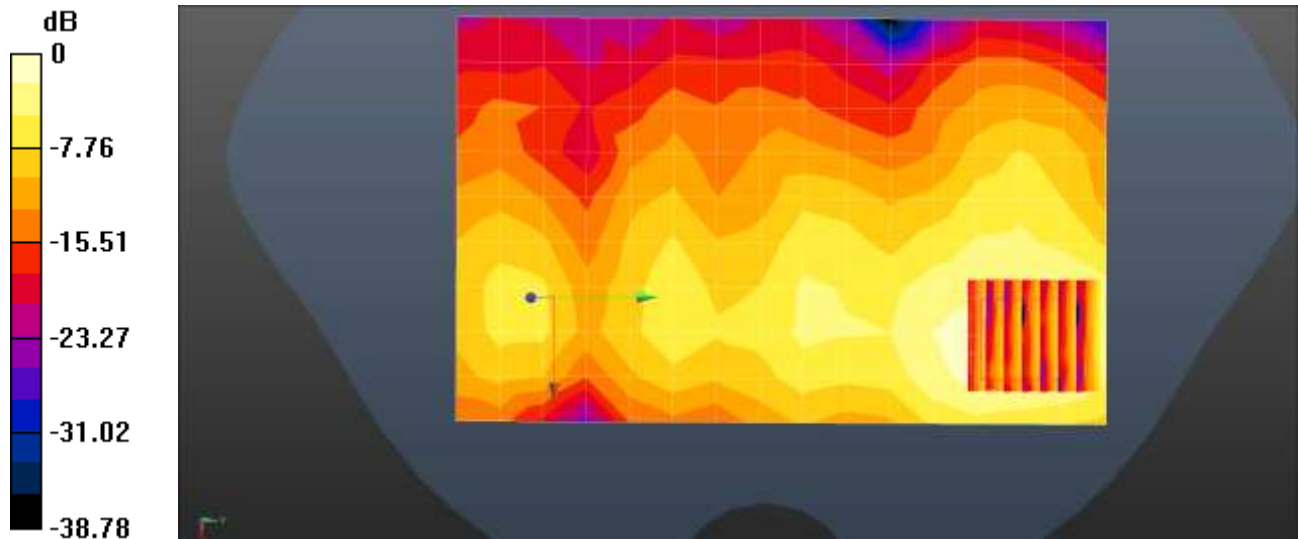
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 4.177 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.670 W/kg

SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.120 W/kg

Maximum value of SAR (measured) = 0.489 W/kg



0 dB = 0.483 W/kg = -3.16 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.1 °C
Ambient Temperature: 23.2 °C
Test Date: 12/27/2021
Plot No.: 48

Communication System: UID 0, LTE Band 66 (0); Frequency: 1720 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1720$ MHz; $\sigma = 1.306$ S/m; $\epsilon_r = 41.532$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1720 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 66 BodyWorn Rear QPSK 20MHz 1RB 49offset 132072ch/Area Scan (8x14x1): Measurement
grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.507 W/kg

LTE Band 66 BodyWorn Rear QPSK 20MHz 1RB 49offset 132072ch/Zoom Scan (5x5x7)/Cube

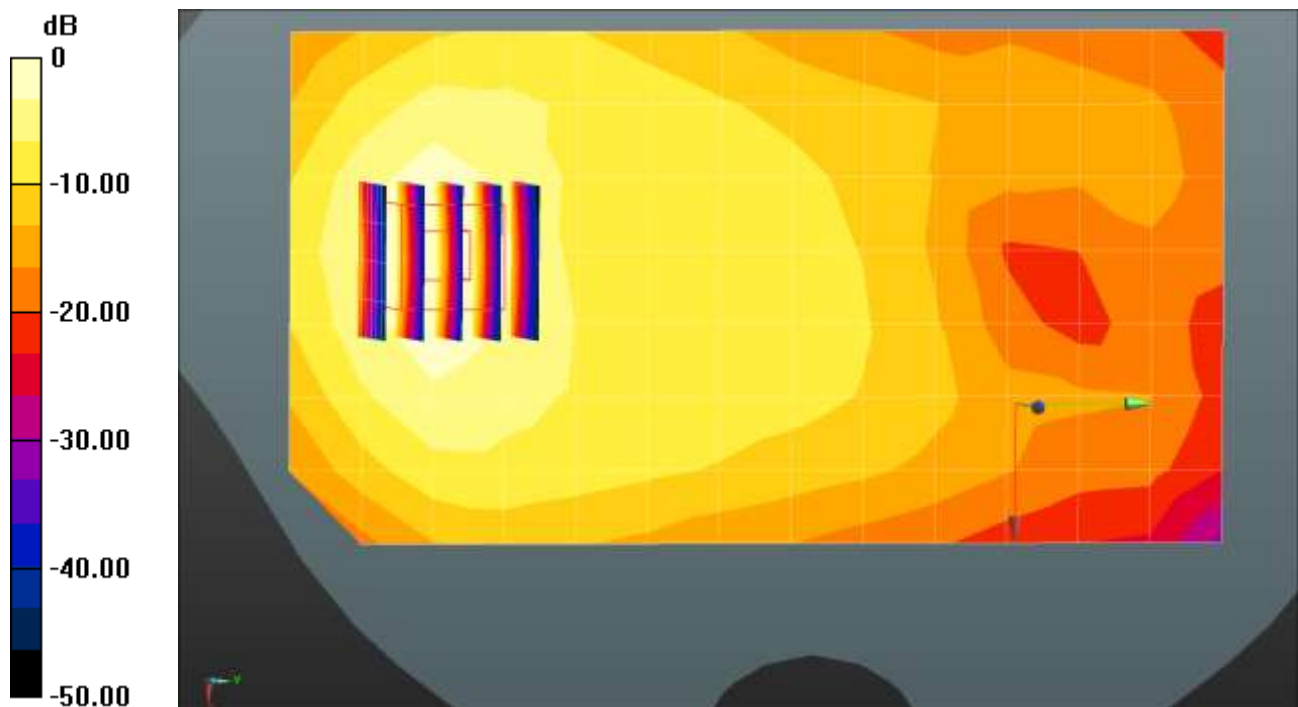
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.726 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.366 W/kg; SAR(10 g) = 0.216 W/kg

Maximum value of SAR (measured) = 0.510 W/kg



0 dB = 0.507 W/kg = -2.95 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/07/2021
Plot No.: 49

Communication System: UID 0, LTE Band 71 (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 43.815$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 680.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 71 BodyWorn Rear QPSK 20MHz 1RB 0offset 133297ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.287 W/kg

LTE Band 71 BodyWorn Rear QPSK 20MHz 1RB 0offset 133297ch/Zoom Scan (5x5x7)/Cube

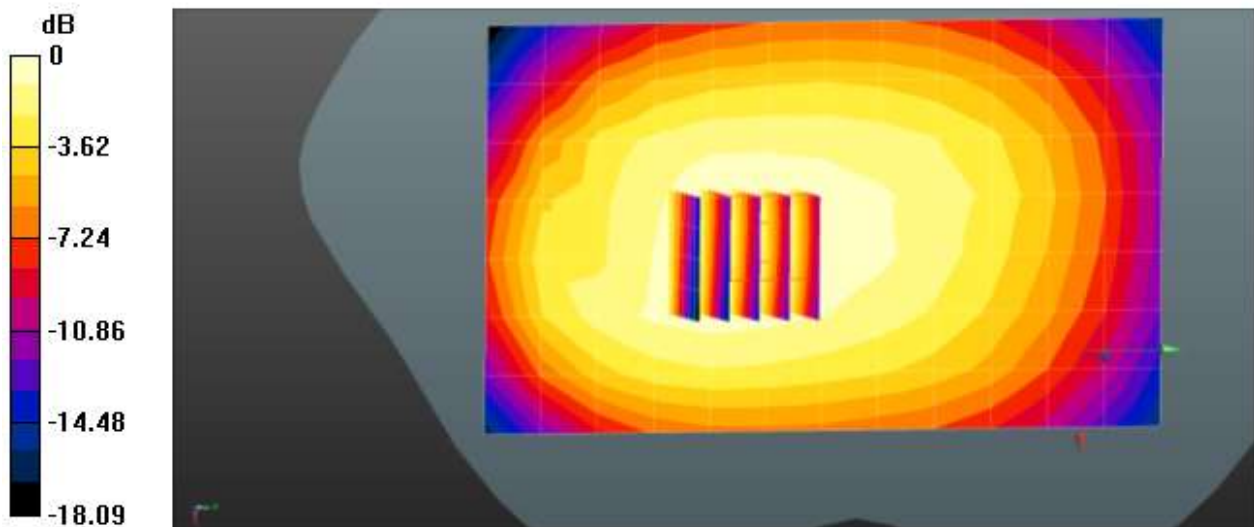
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.43 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.317 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.291 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.2 °C
Ambient Temperature: 21.3 °C
Test Date: 01/03/2022
Plot No.: 50

Communication System: UID 0, NR n5 (0); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 40.696$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 836.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n5 BodyWorn Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.275 W/kg

NR Band n5 BodyWorn Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Zoom Scan (5x5x7)/Cube

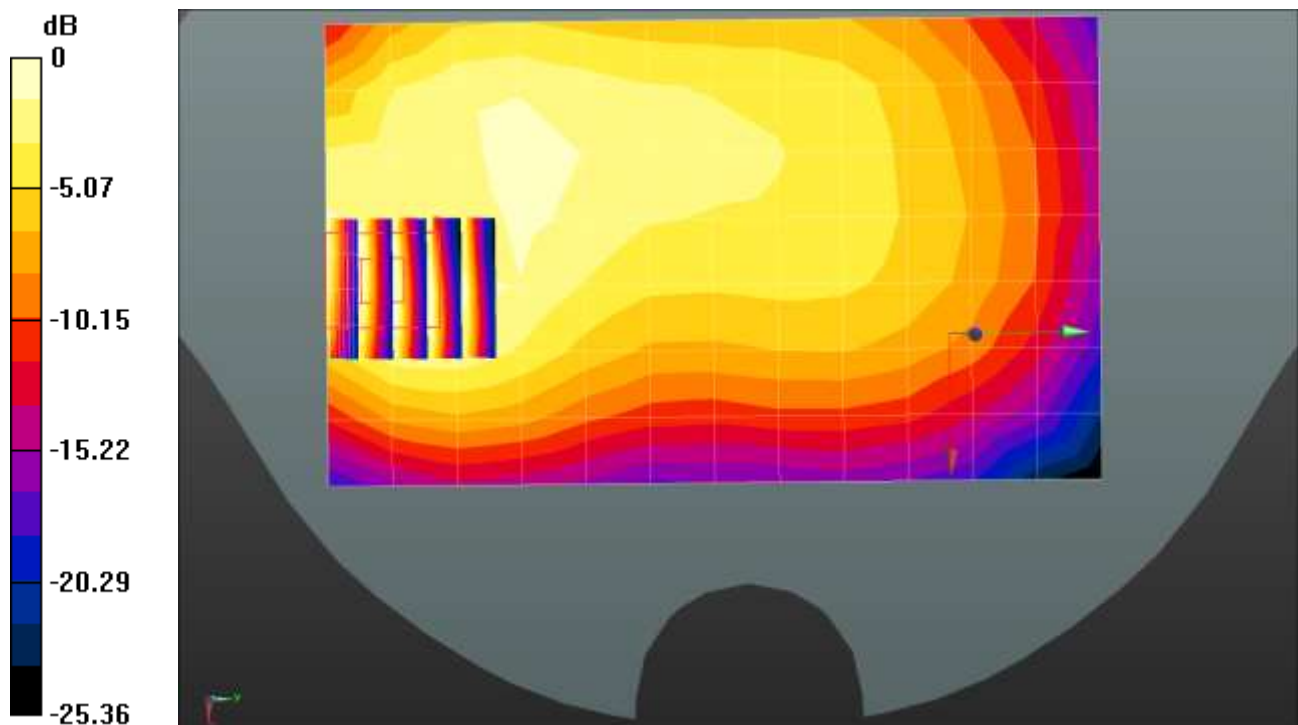
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.43 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.114 W/kg

Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.275 W/kg = -5.60 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.2 °C
Ambient Temperature: 21.3 °C
Test Date: 01/04/2022
Plot No.: 51

Communication System: UID 0, NR n12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 43.227$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 707.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913
- Measurement SW: DASY52, Version 52.10 (4);

NR Band n12 BodyWorn Rear CP QPSK 15MHz 1RB 1offset 141500ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.152 W/kg

NR Band n12 BodyWorn Rear CP QPSK 15MHz 1RB 1offset 141500ch/Zoom Scan (5x5x7)/Cube

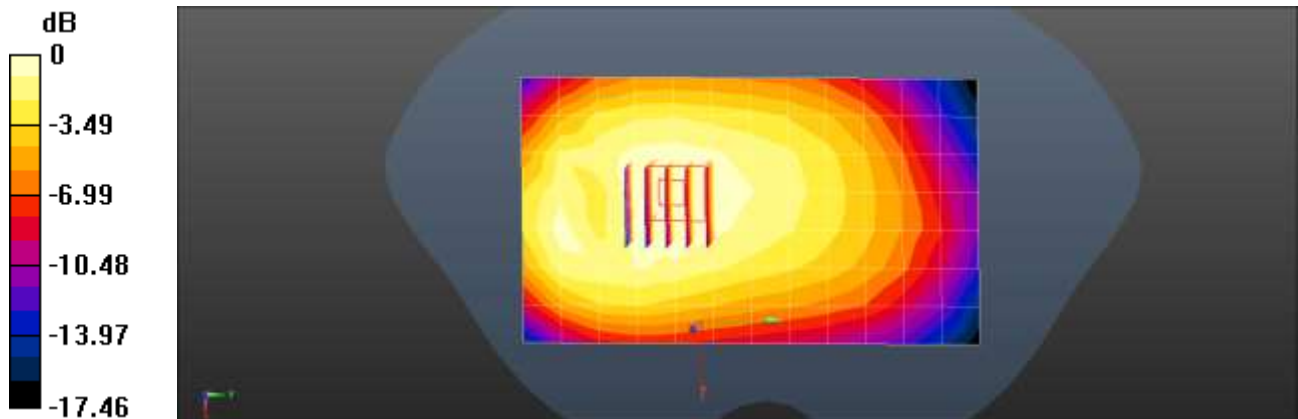
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.72 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.165 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.095 W/kg

Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.152 W/kg = -8.18 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.8 °C
Ambient Temperature: 20.7 °C
Test Date: 01/20/2022
Plot No.: 52

Communication System: UID 0, n25 (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 40.745$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1882.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913
- Measurement SW: DASY52, Version 52.10 (4);

NR Band n25 BodyWorn Rear DFT-s QPSK 20MHz 1RB 53offset 376500ch/Area Scan

(8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.752 W/kg

NR Band n25 BodyWorn Rear DFT-s QPSK 20MHz 1RB 53offset 376500ch/Zoom Scan (5x5x7)/Cube

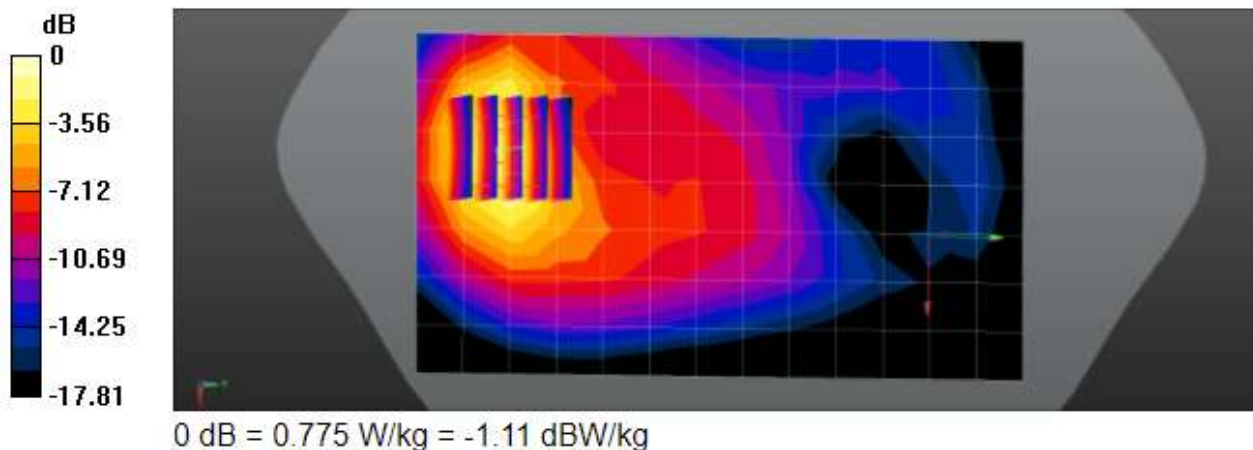
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.698 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.909 W/kg

SAR(1 g) = 0.524 W/kg; SAR(10 g) = 0.292 W/kg

Maximum value of SAR (measured) = 0.775 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.0 °C
Ambient Temperature: 20.9 °C
Test Date: 01/21/2022
Plot No.: 53

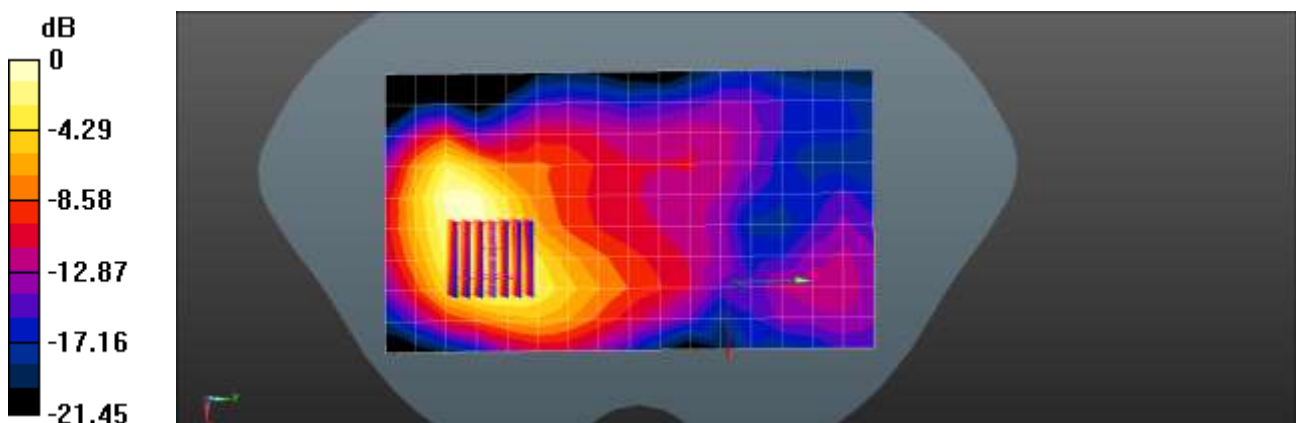
Communication System: UID 0, NR N30 (0); Communication System Band: N30; Frequency: 2310 MHz; Communication System PAR: 0 dB; PMF: 1.12202e-005
Medium parameters used: $f = 2310$ MHz; $\sigma = 1.716$ S/m; $\epsilon_r = 39.928$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2310 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = -1.0, 32.0$
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

NR Band 30 Bodyworn Rear QPSK 10MHz 1RB 26offset 46200ch/Area Scan (10x17x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.442 W/kg

NR Band 30 Bodyworn Rear QPSK 10MHz 1RB 26offset 46200ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 4.588 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.664 W/kg
SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.187 W/kg
Maximum value of SAR (measured) = 0.438 W/kg



0 dB = 0.438 W/kg = -3.59 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.3 °C
Ambient Temperature: 23.4 °C
Test Date: 01/18/2022
Plot No.: 54

Communication System: UID 0, NR Band n41 (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.916$ S/m; $\epsilon_r = 38.128$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2592.99 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- 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 (7483)

NR Band n41 Bodyworn Front DFT-s QPSK 1RB 137offset 518598ch/Area Scan

(10x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.239 W/kg

NR Band n41 Bodyworn Front DFT-s QPSK 1RB 137offset 518598ch/Zoom Scan (7x7x7)/Cube

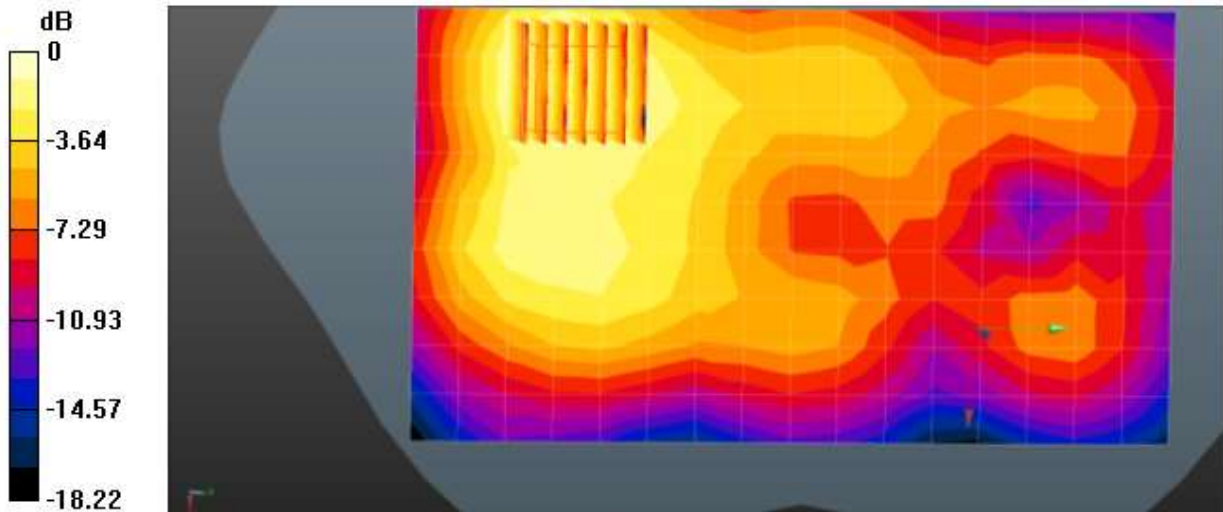
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.517 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.318 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.081 W/kg

Maximum value of SAR (measured) = 0.251 W/kg



0 dB = 0.239 W/kg = -6.22 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.0 °C
Ambient Temperature: 21.1 °C
Test Date: 01/17/2022
Plot No.: 55

Communication System: UID 0, NR Band n41 (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.915$ S/m; $\epsilon_r = 38.098$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2592.99 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- 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 (7483)

NR Band n41 BodyWorn Rear DFT-s QPSK 1RB 137offset 518598ch/Area Scan (9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.132 W/kg

NR Band n41 BodyWorn Rear DFT-s QPSK 1RB 137offset 518598ch/Zoom Scan (7x7x7)/Cube

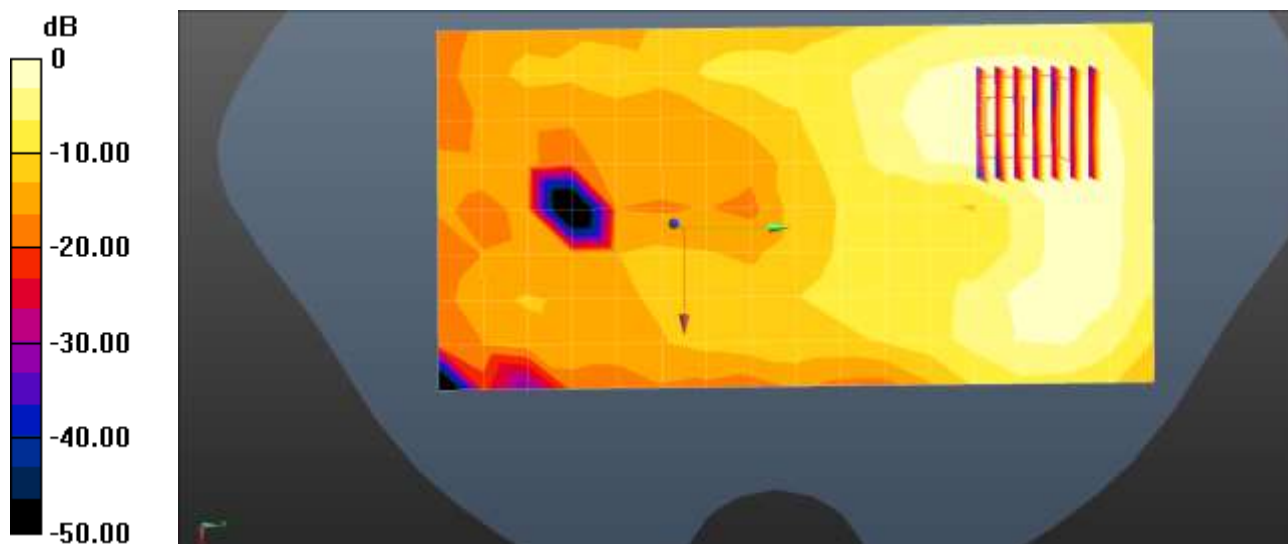
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.558 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.164 W/kg

SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.045 W/kg

Maximum value of SAR (measured) = 0.132 W/kg



0 dB = 0.132 W/kg = -8.78 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.6 °C
Ambient Temperature: 22.7 °C
Test Date: 01/12/2022
Plot No.: 56

Communication System: UID 0, n66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.358$ S/m; $\epsilon_r = 41.486$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1770 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band 66 BodyWorn Rear DFT-s QPSK 20MHz 1RB 53offset 354000ch/Area Scan

(8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.606 W/kg

NR Band 66 BodyWorn Rear DFT-s QPSK 20MHz 1RB 53offset 354000ch/Zoom Scan (5x5x7)/Cube

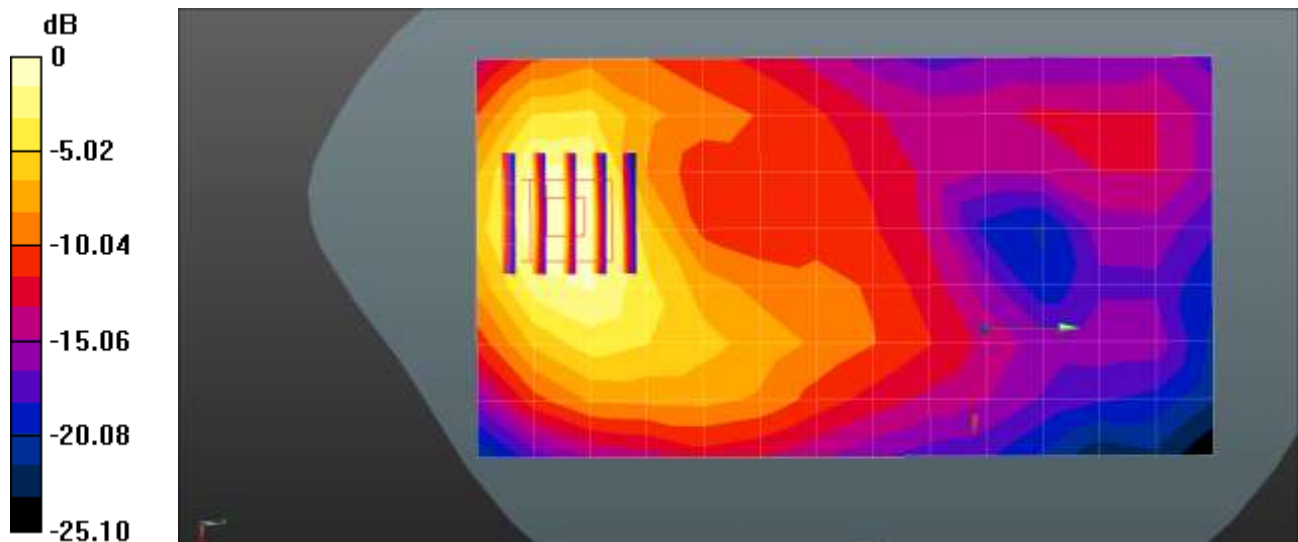
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.391 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.858 W/kg

SAR(1 g) = 0.532 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 0.750 W/kg



0 dB = 0.606 W/kg = -2.18 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.0 °C
Ambient Temperature: 23.1 °C
Test Date: 01/05/2022
Plot No.: 57

Communication System: UID 0, NR n71 (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 42.693$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 680.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n71 BodyWorn Rear DFT-s QPSK 20MHz 50RB 28offset 136100ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.235 W/kg

NR Band n71 BodyWorn Rear DFT-s QPSK 20MHz 50RB 28offset 136100ch/Zoom Scan (5x5x7)/Cube

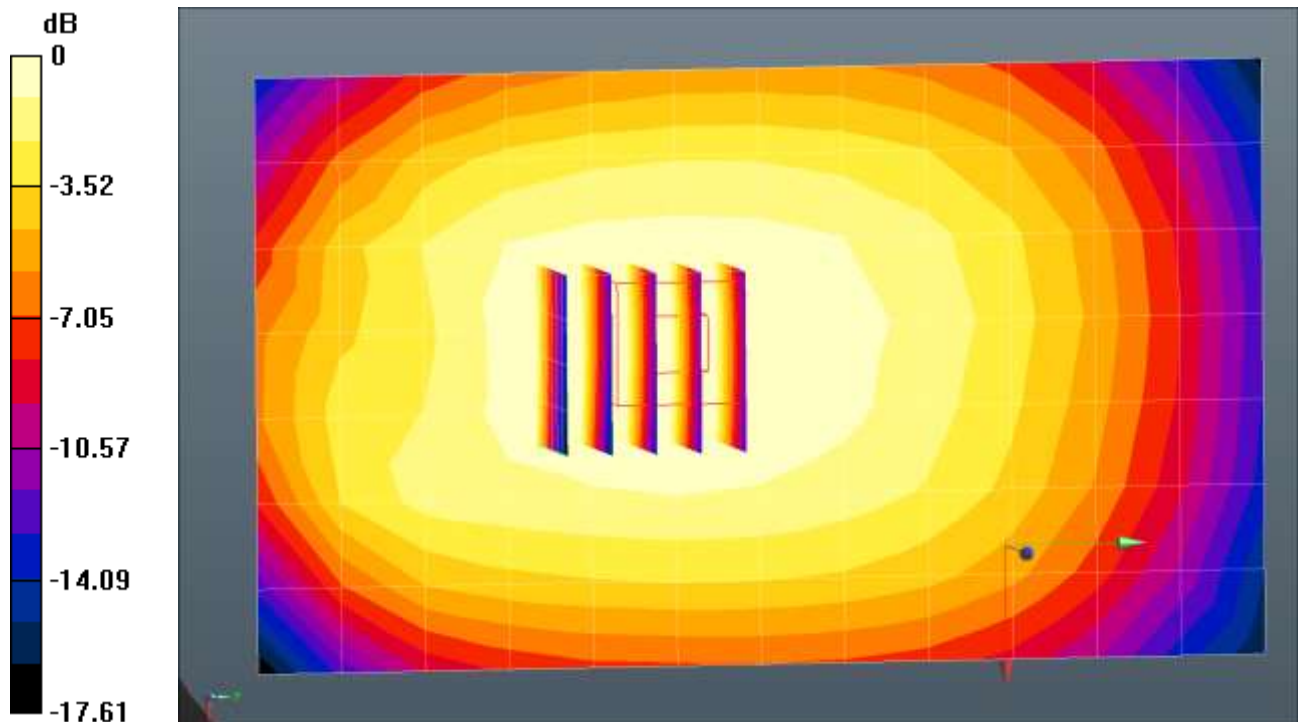
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.32 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.158 W/kg

Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.235 W/kg = -6.30 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.7 °C
Ambient Temperature: 20.8 °C
Test Date: 01/11/2022
Plot No.: 58

Communication System: UID 0, n77 (0); Frequency: 3840 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3840$ MHz; $\sigma = 3.342$ S/m; $\epsilon_r = 38.252$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(6.85, 6.85, 6.85) @ 3840 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588 20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n77 Bodyworn Rear DFT-s QPSK 100MHz 1RB 271offset 656000ch/Area Scan

(9x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.174 W/kg

NR Band n77 Bodyworn Rear DFT-s QPSK 100MHz 1RB 271offset 656000ch/Zoom Scan (7x7x8)/Cube

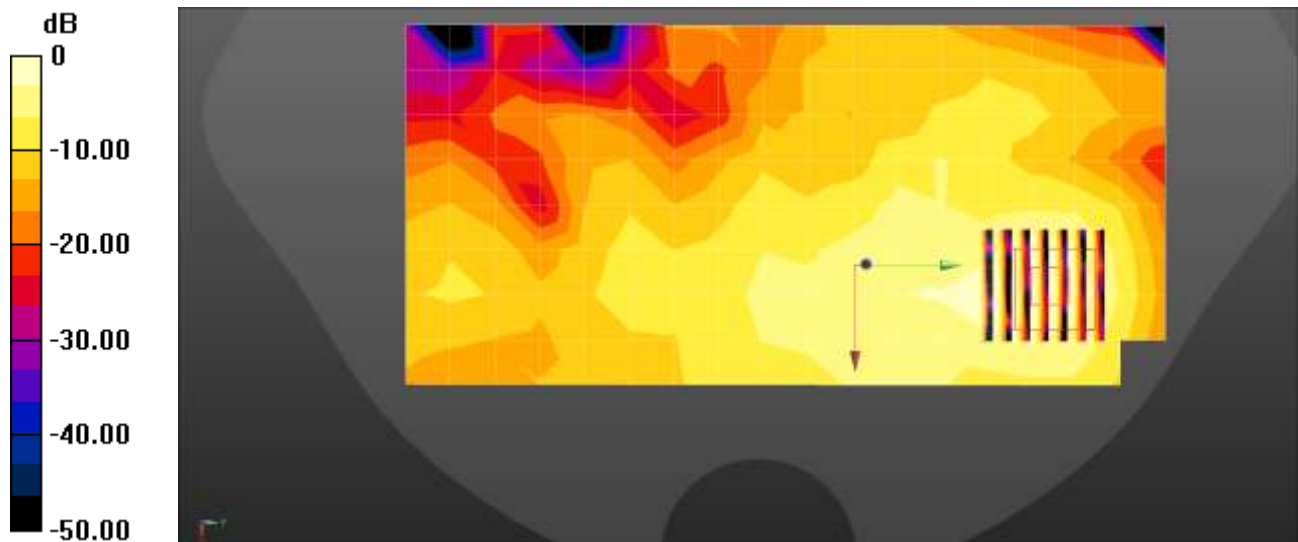
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.820 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.037 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: 20.0 °C
Ambient Temperature: 20.1 °C
Test Date: 01/13/2022
Plot No.: 59

Communication System: UID 0, n77 (0); Frequency: 3500.01 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 3500.01$ MHz; $\sigma = 2.927$ S/m; $\epsilon_r = 38.544$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.3, 7.3, 7.3) @ 3500.01 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588_20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n77 BodyWorn Rear CP QPSK 100MHz 1RB 1offset 633334ch/Area Scan

(9x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.144 W/kg

NR Band n77 BodyWorn Rear CP QPSK 100MHz 1RB 1offset 633334ch/Zoom Scan (7x7x8)/Cube

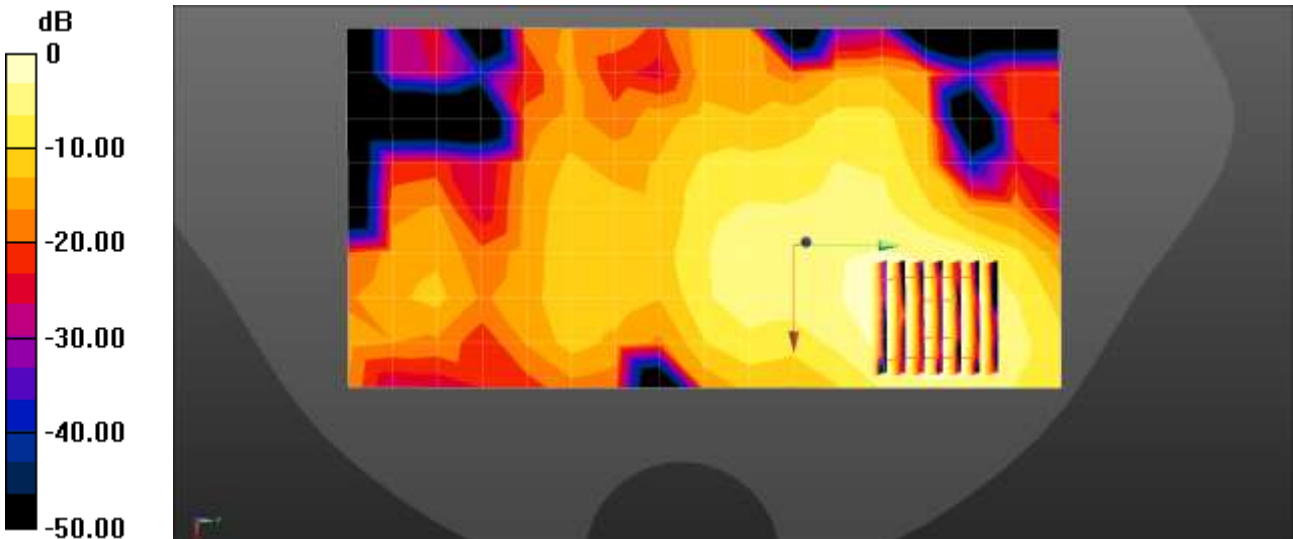
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 2.274 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.037 W/kg

Maximum value of SAR (measured) = 0.161 W/kg



$$0 \text{ dB} = 0.144 \text{ W/kg} = -8.42 \text{ dBW/kg}$$

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.8 °C
Ambient Temperature: 21.9 °C
Test Date: 12/29/2021
Plot No.: 60

Communication System: UID 0, 2450MHz FCC (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.752$ S/m; $\epsilon_r = 37.86$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2437 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

802.11b BodyWorn Rear 1Mbps 6ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.288 W/kg

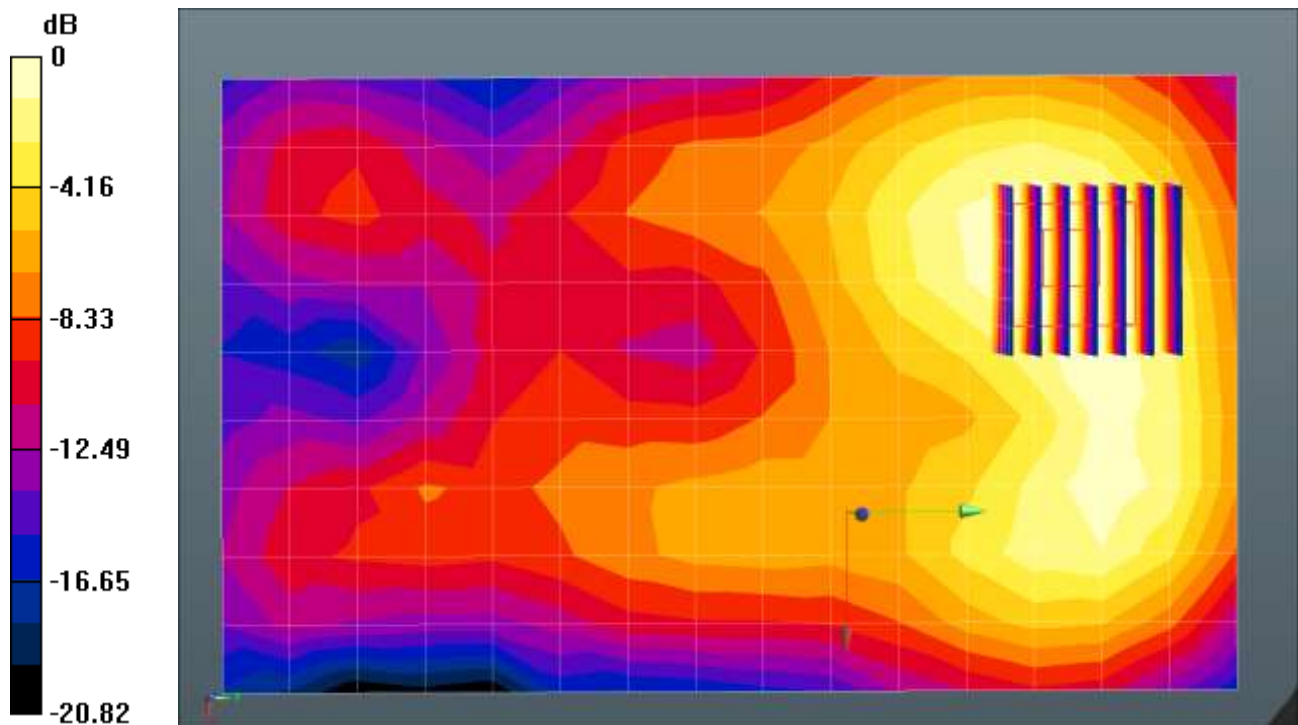
802.11b BodyWorn Rear 1Mbps 6ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.962 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.110 W/kg

Maximum value of SAR (measured) = 0.308 W/kg



0 dB = 0.288 W/kg = -5.41 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 18.5°C
Ambient Temperature: 18.6 °C
Test Date: 01/03/2022
Plot No.: 61

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5320 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5320 \text{ MHz}$; $\sigma = 4.704 \text{ S/m}$; $\epsilon_r = 36.734$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(5.55, 5.55, 5.55) @ 5320 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

802.11a Bodyworn Rear 6Mbps 64ch/Area Scan (11x19x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.556 W/kg

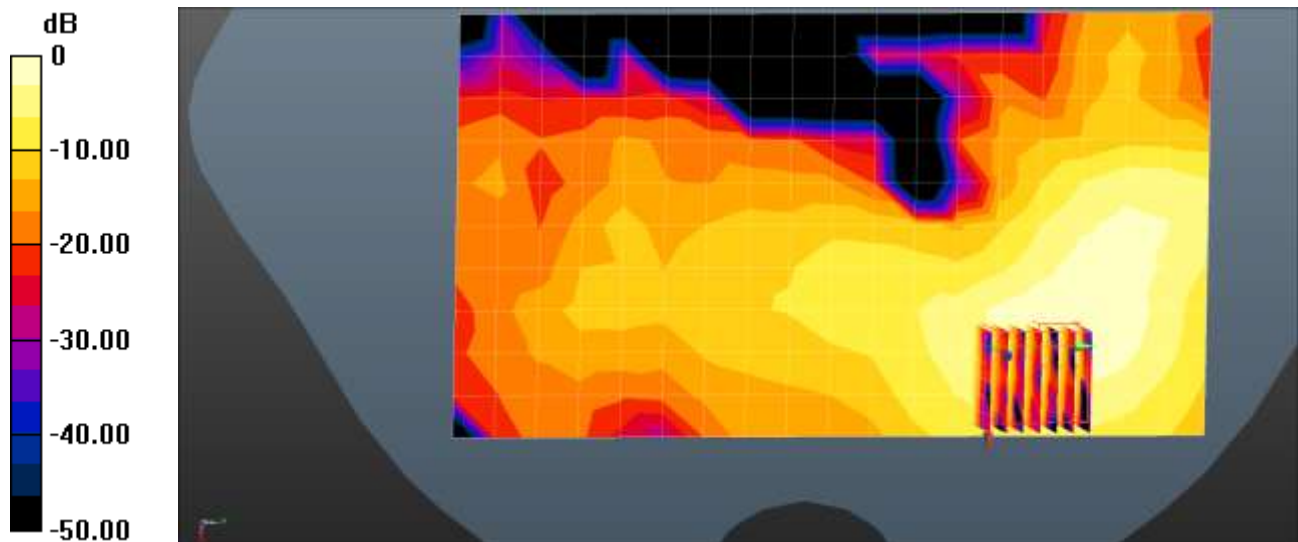
802.11a Bodyworn Rear 6Mbps 64ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 1.472 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.840 W/kg

SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.562 W/kg



0 dB = 0.556 W/kg = -2.55 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/30/2021
Plot No.: 62

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.304
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 37.785$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2441 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bluetooth Bodyworn Rear DH5 39ch/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.129 W/kg

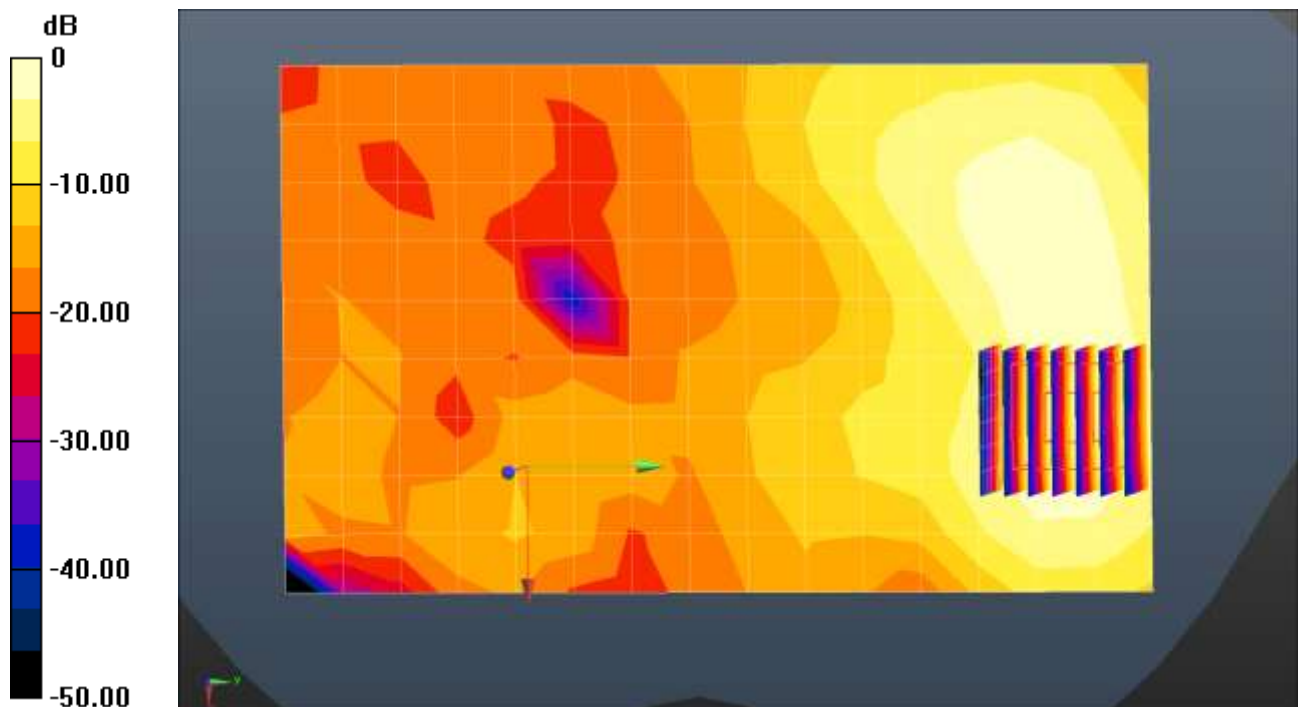
Bluetooth Bodyworn Rear DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.9690 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.173 W/kg

SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.043 W/kg

Maximum value of SAR (measured) = 0.140 W/kg



0 dB = 0.129 W/kg = -8.88 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.5 °C
Ambient Temperature: 21.6 °C
Test Date: 12/15/2021
Plot No.: 63

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; $\sigma = 0.939$ S/m; $\epsilon_r = 41.032$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 836.6 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GSM850 Body Rear 190ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.731 W/kg

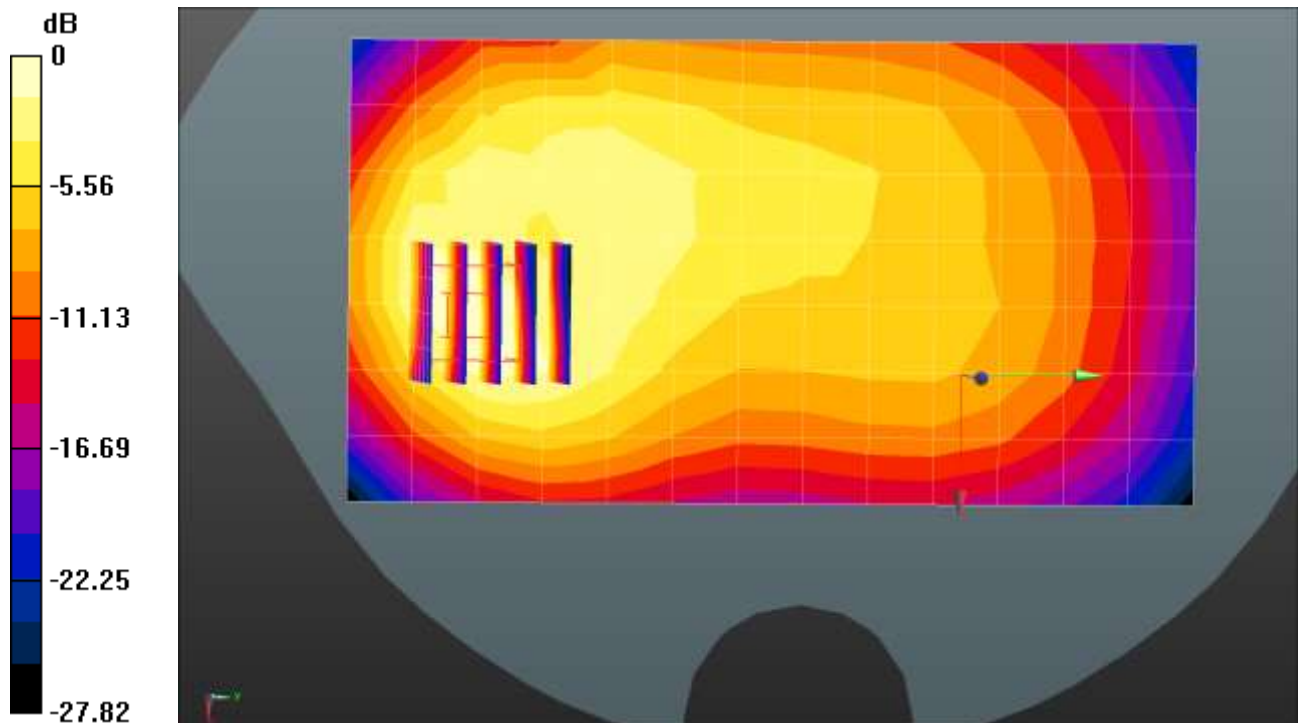
GSM850 Body Rear 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.61 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.993 W/kg

SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 0.779 W/kg



0 dB = 0.731 W/kg = -1.36 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.4 °C
Ambient Temperature: 22.5 °C
Test Date: 12/16/2021
Plot No.: 64

Communication System: UID 0, GSM 1900 4TX (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.07491
Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.42$ S/m; $\epsilon_r = 38.98$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1850.2 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

GSM1900 4Tx Body Bottom 512ch/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.390 W/kg

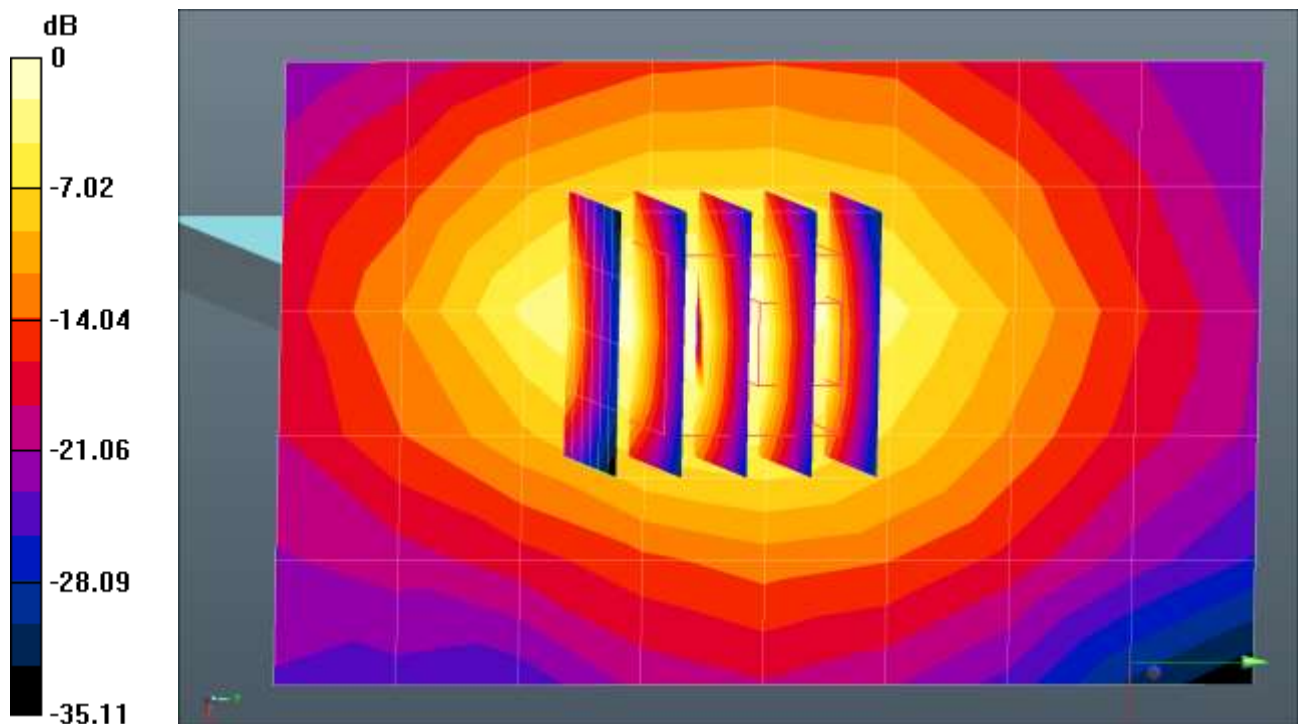
GSM1900 4Tx Body Bottom 512ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.87 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.439 W/kg

SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.137 W/kg

Maximum value of SAR (measured) = 0.391 W/kg



0 dB = 0.390 W/kg = -4.09 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 12/22/2021
Plot No.: 65

Communication System: UID 0, WCDMA850 (0); Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.928$ S/m; $\epsilon_r = 41.484$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 826.4 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

UMTS Band 5 Body Rear 4132ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.764 W/kg

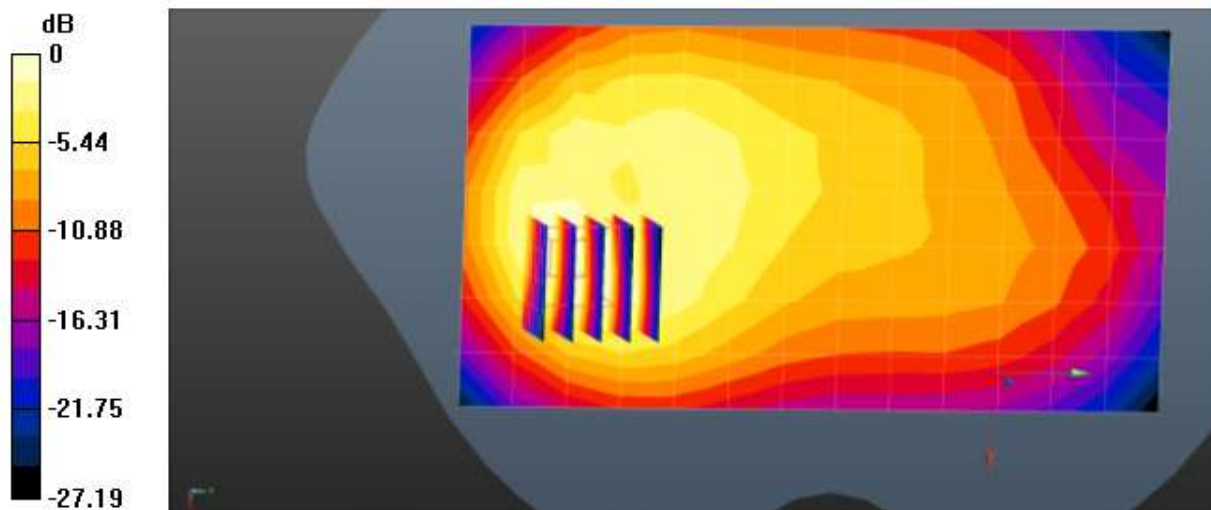
UMTS Band 5 Body Rear 4132ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.96 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.305 W/kg

Maximum value of SAR (measured) = 0.805 W/kg



0 dB = 0.764 W/kg = -1.17 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.5 °C
Ambient Temperature: 22.6 °C
Test Date: 12/21/2021
Plot No.: 66

Communication System: UID 0, WCDMA IV (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.328$ S/m; $\epsilon_r = 41.393$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1732.4 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

UMTS Band 4 Body Rear 1412ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.230 W/kg

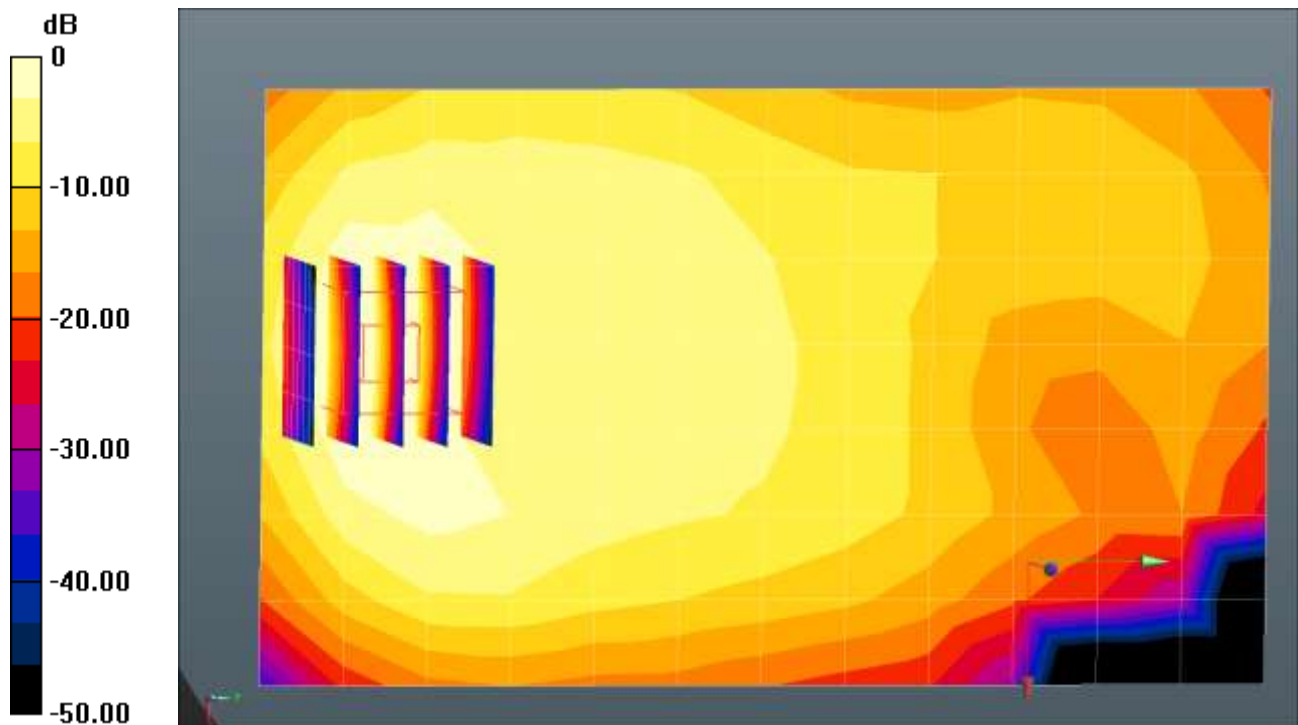
UMTS Band 4 Body Rear 1412ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.393 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.206 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.280 W/kg



0 dB = 0.230 W/kg = -6.39 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/17/2021
Plot No.: 67

Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.423$ S/m; $\epsilon_r = 38.682$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1880 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

UMTS Band 2 Body Bottom 9400ch/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.18 W/kg

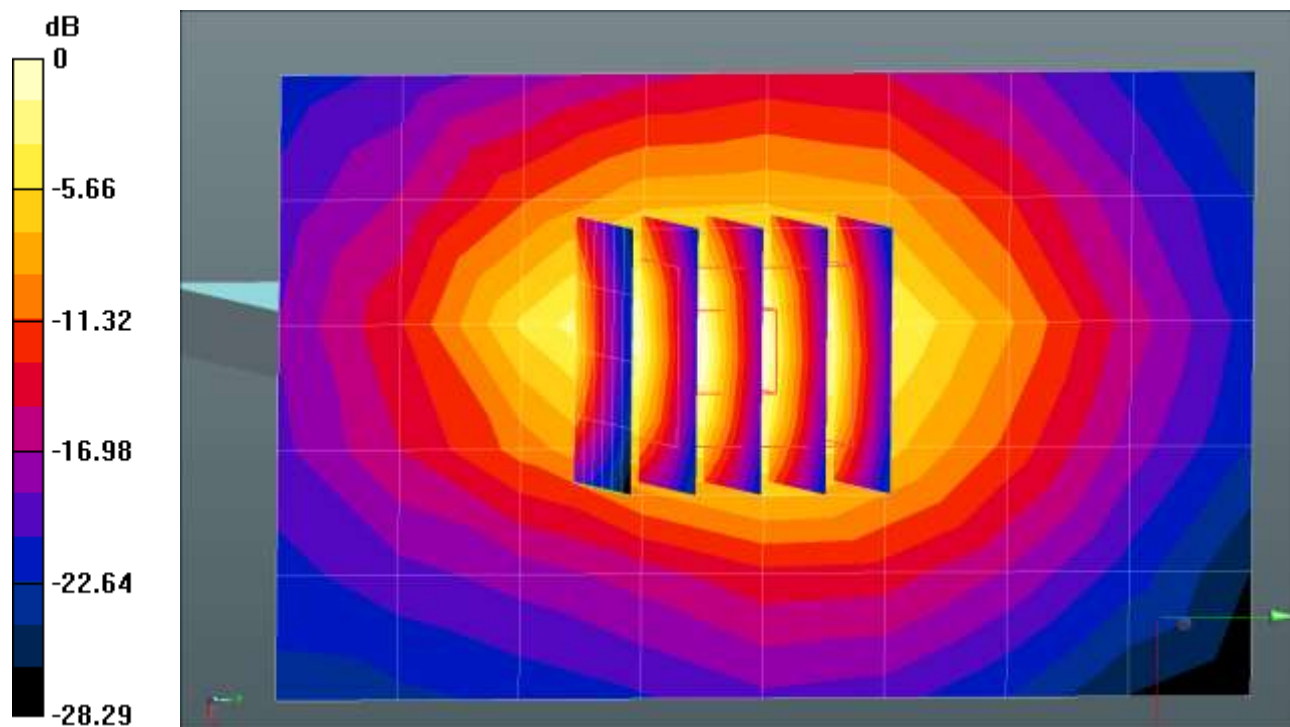
UMTS Band 2 Body Bottom 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.08 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.71 W/kg

SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.482 W/kg

Maximum value of SAR (measured) = 1.43 W/kg



0 dB = 1.18 W/kg = 0.72 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.0 °C
Ambient Temperature: 22.1 °C
Test Date: 12/23/2021
Plot No.: 68

Communication System: UID 0, LTE Band 7 (0); Frequency: 2560 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2560$ MHz; $\sigma = 1.92$ S/m; $\epsilon_r = 38.094$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.38, 7.38, 7.38) @ 2560 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 7 Body Bottom QPSK 20MHz 1RB 0offset 21350ch/Area Scan (7x11x1): Measurement grid:
dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.534 W/kg

LTE Band 7 Body Bottom QPSK 20MHz 1RB 0offset 21350ch/Zoom Scan (7x7x7)/Cube

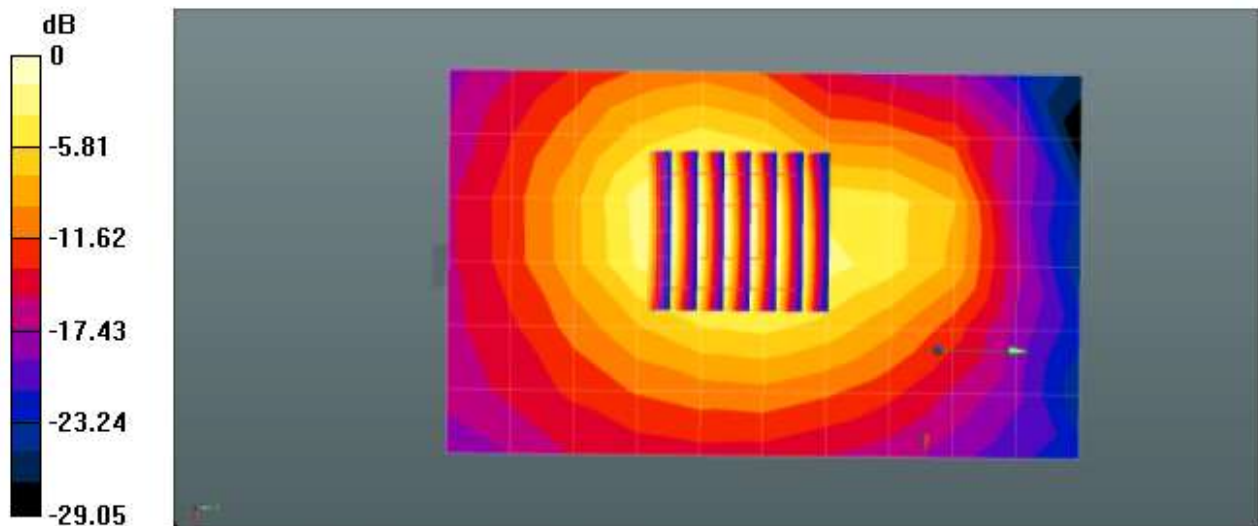
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.35 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.184 W/kg

Maximum value of SAR (measured) = 0.657 W/kg



0 dB = 0.534 W/kg = -2.73 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.5 °C
Ambient Temperature: 22.6 °C
Test Date: 12/01/2021
Plot No.: 69

Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 43.23$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 707.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 12 Body Rear QPSK 10MHz 1RB 0offset 23095ch/Area Scan (8x13x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.477 W/kg

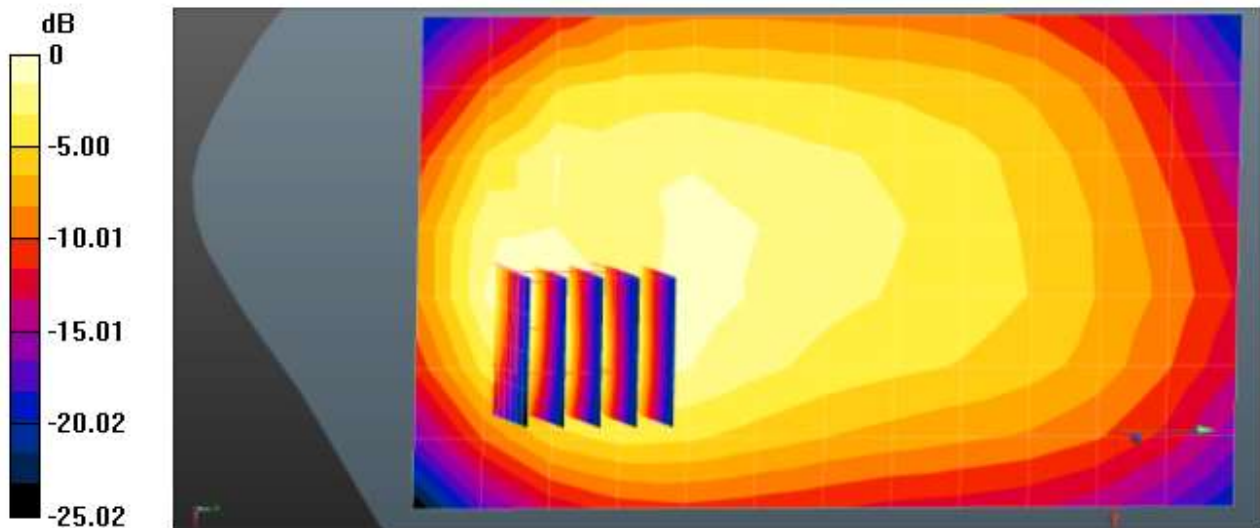
LTE Band 12 Body Rear QPSK 10MHz 1RB 0offset 23095ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.29 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 0.554 W/kg



0 dB = 0.477 W/kg = -3.21 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.4 °C
Ambient Temperature: 21.5 °C
Test Date: 12/02/2021
Plot No.: 70

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 42.091$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 782 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 13 Body Rear QPSK 10MHz 1RB 0offset 23230ch/Area Scan (8x13x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.636 W/kg

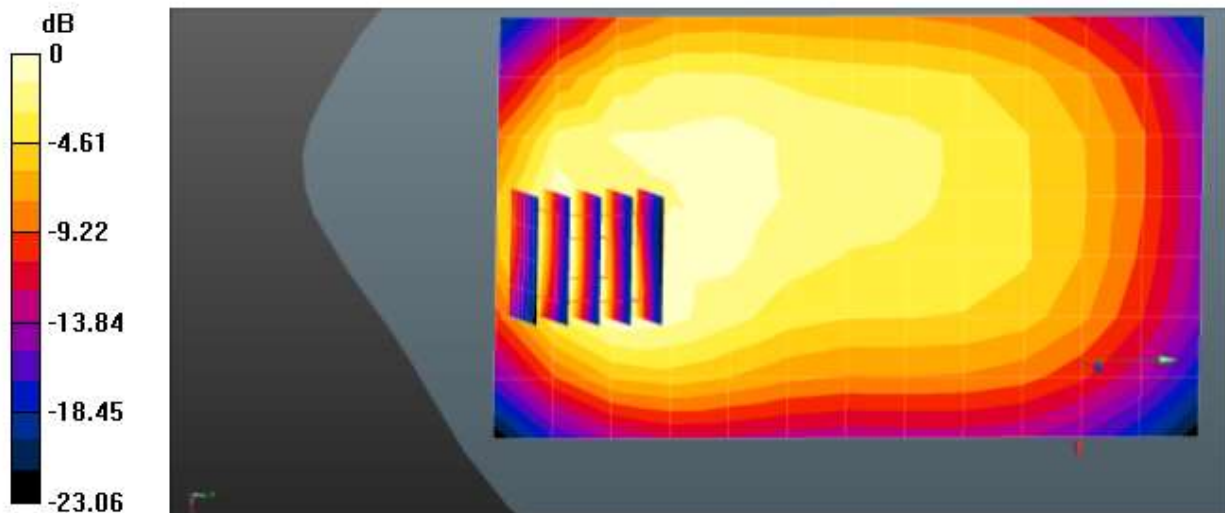
LTE Band 13 Body Rear QPSK 10MHz 1RB 0offset 23230ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.82 V/m; Power Drift = 0.01dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.306 W/kg

Maximum value of SAR (measured) = 0.825 W/kg



0 dB = 0.636 W/kg = -1.97 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.3 °C
Ambient Temperature: 21.4 °C
Test Date: 12/03/2021
Plot No.: 71

Communication System: UID 0, LTE 14 (0); Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.922 \text{ S/m}$; $\epsilon_r = 41.967$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 793 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 14 Body Rear QPSK 10MHz 1RB 0offset 23330ch/Area Scan (8x13x1): Measurement grid:
 $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.669 W/kg

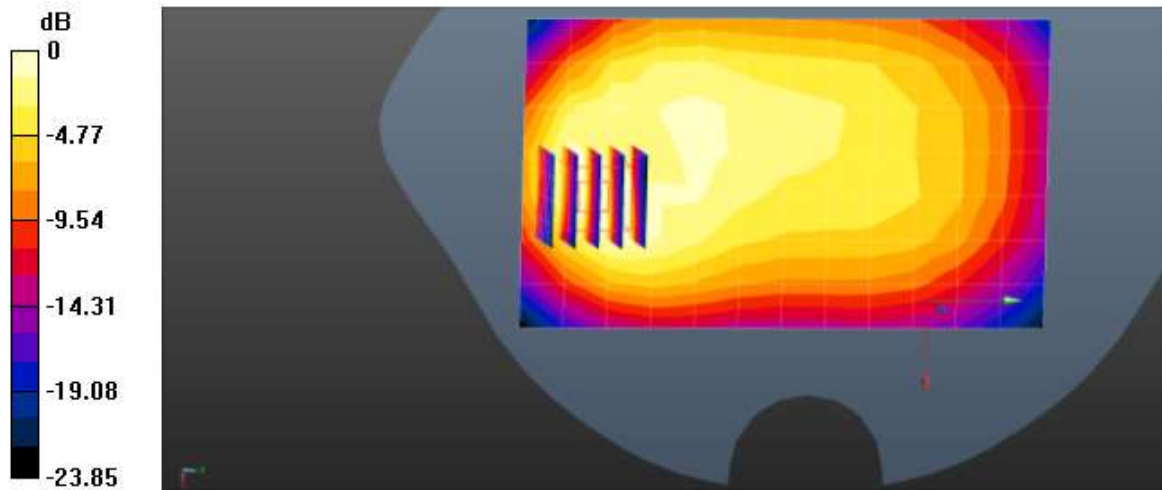
LTE Band 14 Body Rear QPSK 10MHz 1RB 0offset 23330ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.46 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (measured) = 0.807 W/kg



0 dB = 0.669 W/kg = -1.75 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.4 °C
Ambient Temperature: 21.5 °C
Test Date: 12/08/2021
Plot No.: 72

Communication System: UID 0, LTE Band 25 (0); Frequency: 1905 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1905$ MHz; $\sigma = 1.444$ S/m; $\epsilon_r = 40.871$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1905 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 25 Body Bottom QPSK 20MHz 50RB 25offset 26590ch/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.734 W/kg

LTE Band 25 Body Bottom QPSK 20MHz 50RB 25offset 26590ch/Zoom Scan (5x5x7)/Cube 0:

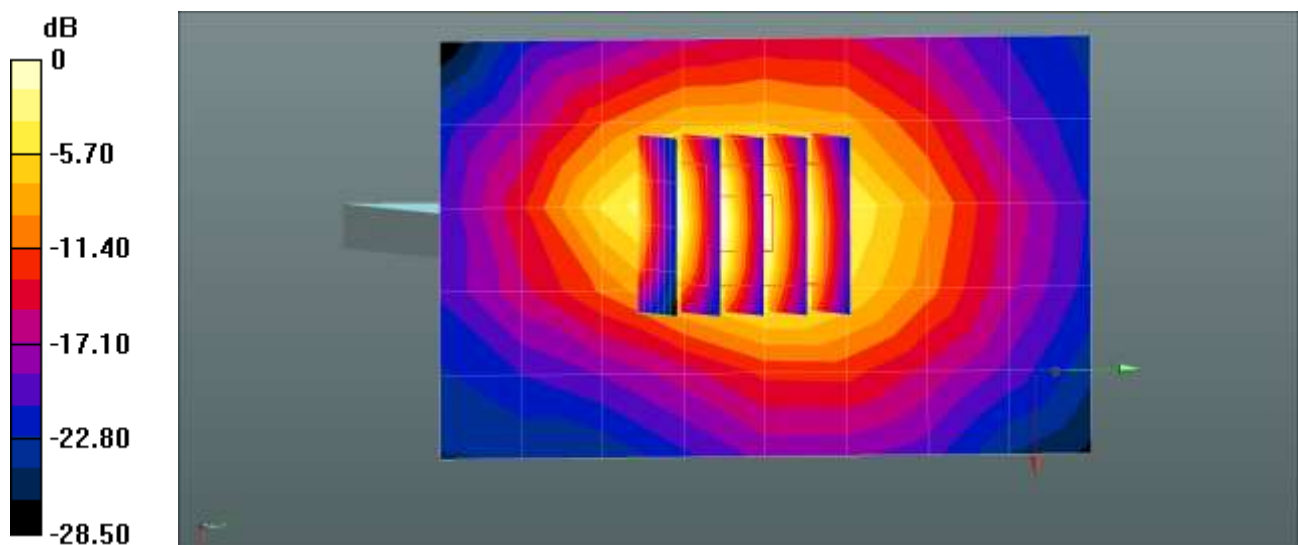
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.26 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.310 W/kg

Maximum value of SAR (measured) = 0.920 W/kg



0 dB = 0.734 W/kg = -1.34 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.4 °C
Ambient Temperature: 22.5 °C
Test Date: 12/06/2021
Plot No.: 73

Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 831.5$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 41.698$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 831.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 26 Body Rear QPSK 15MHz 1RB 0offset 26865ch/Area Scan (8x13x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.628 W/kg

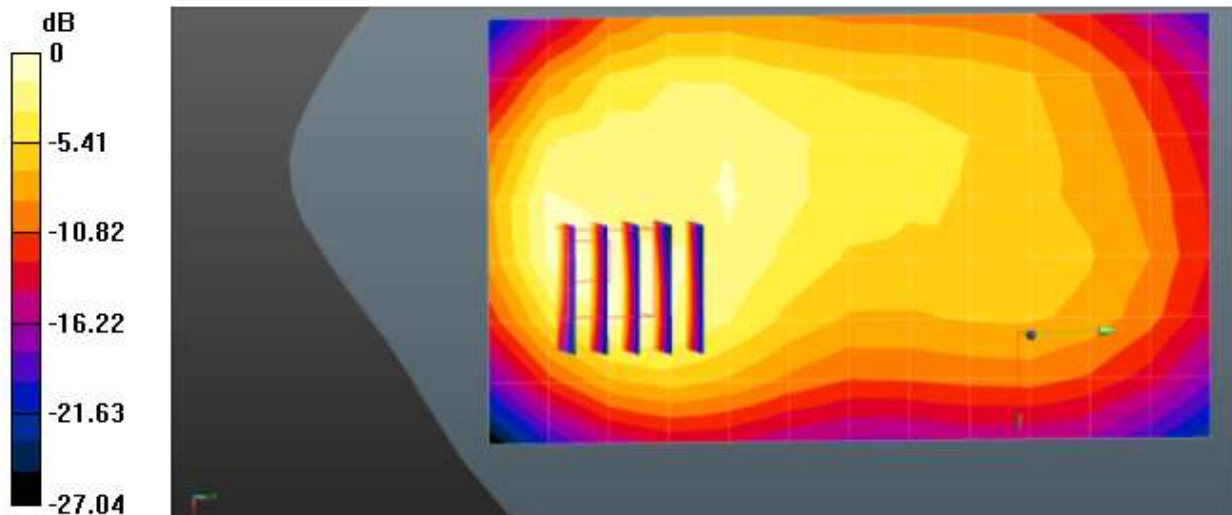
LTE Band 26 Body Rear QPSK 15MHz 1RB 0offset 26865ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.78 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.844 W/kg

SAR(1 g) = 0.457 W/kg; SAR(10 g) = 0.257 W/kg

Maximum value of SAR (measured) = 0.698 W/kg



0 dB = 0.628 W/kg = -2.02 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 12/10/2021
Plot No.: 74

Communication System: UID 0, LTE Band 30 (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2310$ MHz; $\sigma = 1.718$ S/m; $\epsilon_r = 39.931$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7679; ConvF(8.27, 8.27, 8.27) @ 2310 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 30 Body Bottom QPSK 10MHz 25RB 24offset 27710ch/Area Scan (7x11x1): Measurement
grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.569 W/kg

LTE Band 30 Body Bottom QPSK 10MHz 25RB 24offset 27710ch/Zoom Scan (7x7x7)/Cube

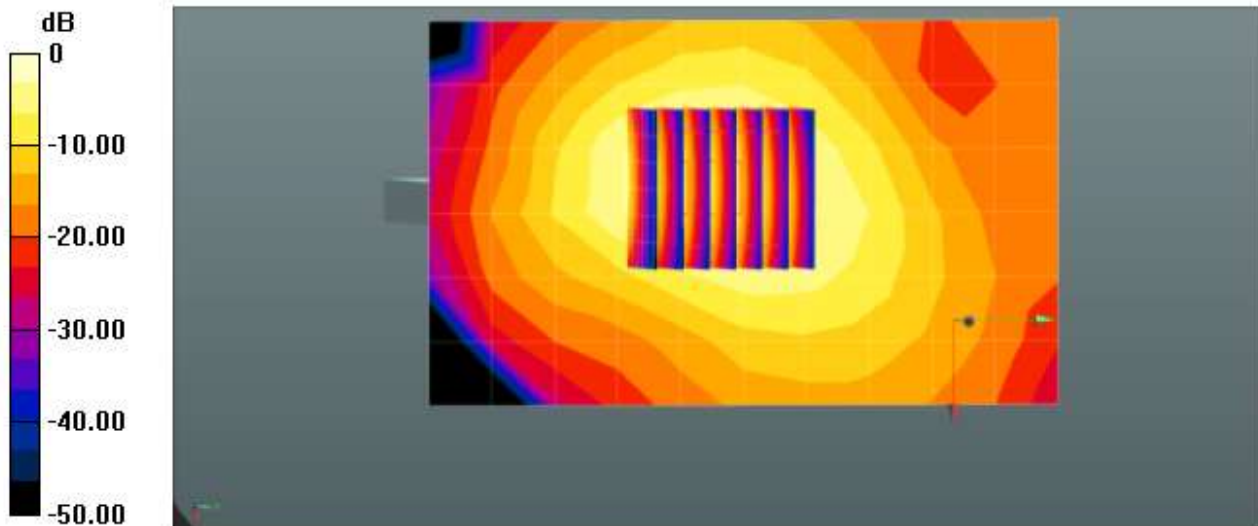
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.82 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.883 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.210 W/kg

Maximum value of SAR (measured) = 0.715 W/kg



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

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 01/19/2022
Plot No.: 75

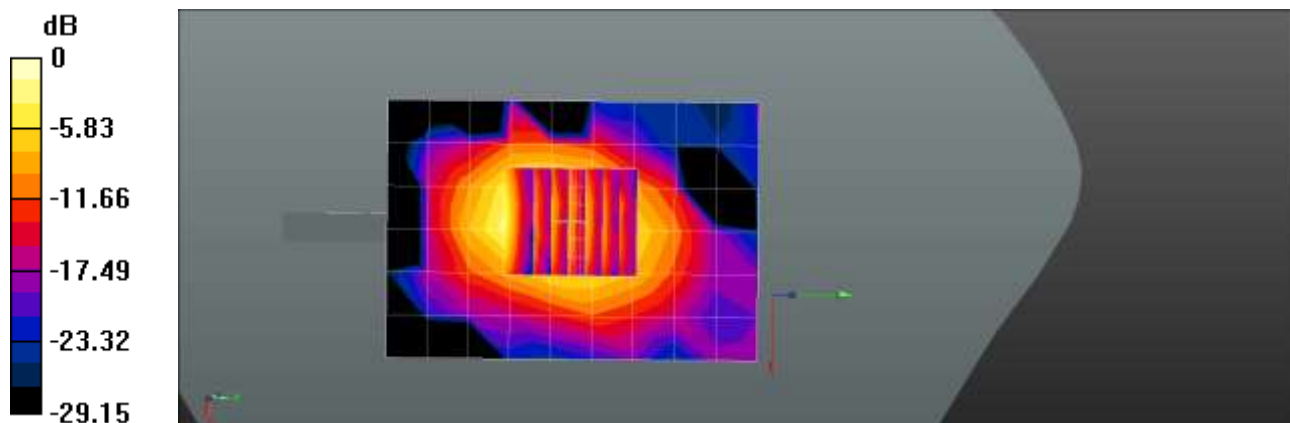
Communication System: UID 0, LTE Band 40 (0); Communication System Band: LTE Band 40; Frequency: 2310 MHz; Communication System
Medium parameters used: $f = 2310$ MHz; $\sigma = 1.721$ S/m; $\epsilon_r = 39.92$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2310 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = -1.0, 32.0$
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

LTE Band 40 Body Bottom QPSK 10MHz 1RB 0offset 38750ch/Area Scan (7x10x1): Measurement grid:
 $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (measured) = 0.0498 W/kg

LTE Band 40 Body Bottom QPSK 10MHz 1RB 0offset 38750ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 5.462 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.0780 W/kg
SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.018 W/kg
Maximum value of SAR (measured) = 0.0511 W/kg



0 dB = 0.0511 W/kg = -12.92 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.5 °C
Ambient Temperature: 21.6 °C
Test Date: 01/20/2022
Plot No.: 76

Communication System: UID 0, LTE Band 40 (0); Communication System Band: LTE Band 40; Frequency: 2355 MHz; Communication System PAR: 1.988 dB; Medium parameters used (interpolated): $f = 2355$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 39.822$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2355 MHz; Calibrated: 2021-07-28
 - Modulation Compensation:
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = -1.0, 32.0$
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

LTE Band 40 Body Bottom QPSK 10MHz 25RB 0offset 39200ch/Area Scan (7x10x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.0397 W/kg

LTE Band 40 Body Bottom QPSK 10MHz 25RB 0offset 39200ch/Zoom Scan (7x7x7)/Cube

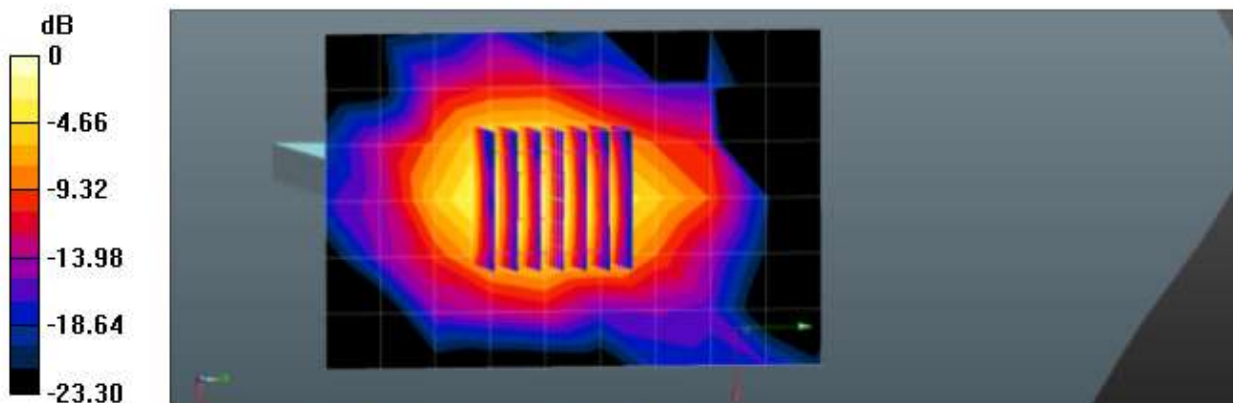
0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.499 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0600 W/kg

SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.015 W/kg

Maximum value of SAR (measured) = 0.0395 W/kg



0 dB = 0.0395 W/kg = -14.03 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.7 °C
Ambient Temperature: 22.8 °C
Test Date: 12/24/2021
Plot No.: 77

Communication System: UID 0, LTE Band 41 (0); Frequency: 2593 MHz; Duty Cycle: 1:1.58052
Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.95$ S/m; $\epsilon_r = 37.981$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.38, 7.38, 7.38) @ 2593 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 41 Body Bottom QPSK 20MHz 1RB 0offset 40620ch/Area Scan (7x11x1): Measurement grid:
dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.370 W/kg

LTE Band 41 Body Bottom QPSK 20MHz 1RB 0offset 40620ch/Zoom Scan (7x7x7)/Cube

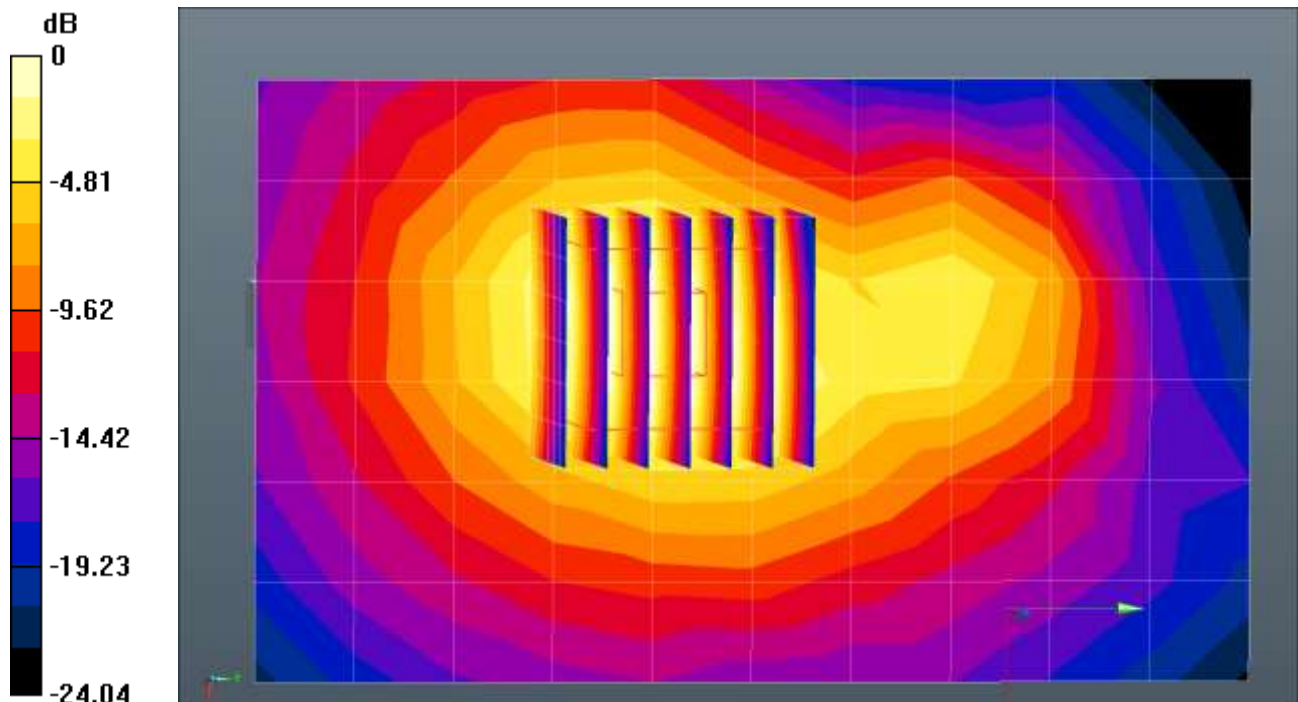
0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.70 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.588 W/kg

SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.125 W/kg

Maximum value of SAR (measured) = 0.466 W/kg



0 dB = 0.370 W/kg = -4.32 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 19.2 °C
Ambient Temperature: 19.3 °C
Test Date: 01/11/2022
Plot No.: 78

Communication System: UID 0, LTE Band 48 (0); Frequency: 3670.02 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 3670.02$ MHz; $\sigma = 3.102$ S/m; $\epsilon_r = 37.408$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(7, 7, 7) @ 3670.02 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 48 Body Left QPSK 20MHz 1RB 99offset 56442ch ULCA/Area Scan (8x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.637 W/kg

LTE Band 48 Body Left QPSK 20MHz 1RB 99offset 56442ch ULCA/Zoom Scan (7x7x8)/Cube

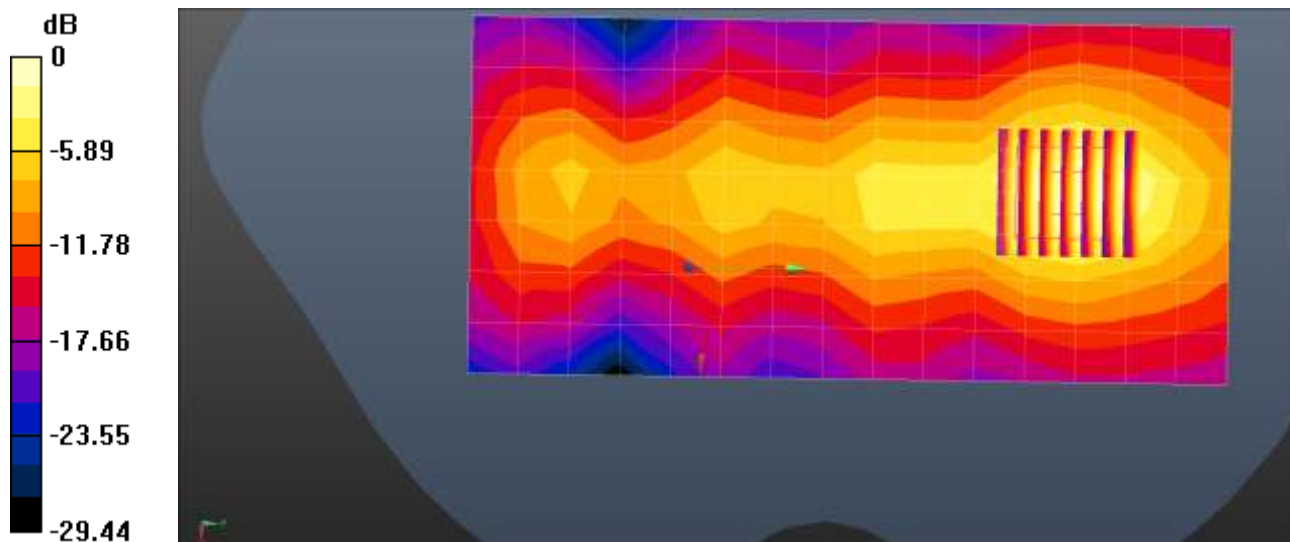
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 7.003 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.151 W/kg

Maximum value of SAR (measured) = 0.711 W/kg



0 dB = 0.637 W/kg = -1.96 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.1 °C
Ambient Temperature: 23.2 °C
Test Date: 12/27/2021
Plot No.: 79

Communication System: UID 0, LTE Band 66 (0); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.322$ S/m; $\epsilon_r = 41.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1745 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 66 Body Bottom QPSK 20MHz 50RB 49offset 132322ch/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.867 W/kg

LTE Band 66 Body Bottom QPSK 20MHz 50RB 49offset 132322ch/Zoom Scan (5x5x7)/Cube

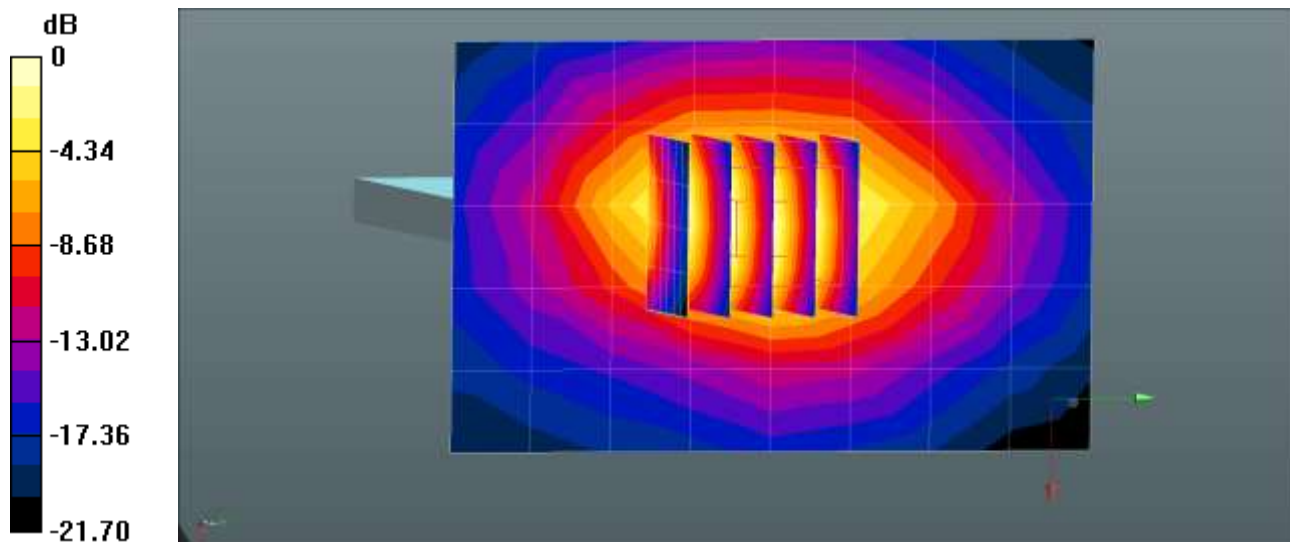
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.72 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.386 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 0.867 W/kg = -0.62 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/07/2021
Plot No.: 80

Communication System: UID 0, LTE Band 71 (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.878$ S/m; $\epsilon_r = 43.815$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 680.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 71 Body Rear QPSK 20MHz 1RB 0offset 133297ch/Area Scan (8x13x1): Measurement grid:
dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.421 W/kg

LTE Band 71 Body Rear QPSK 20MHz 1RB 0offset 133297ch/Zoom Scan (5x5x7)/Cube

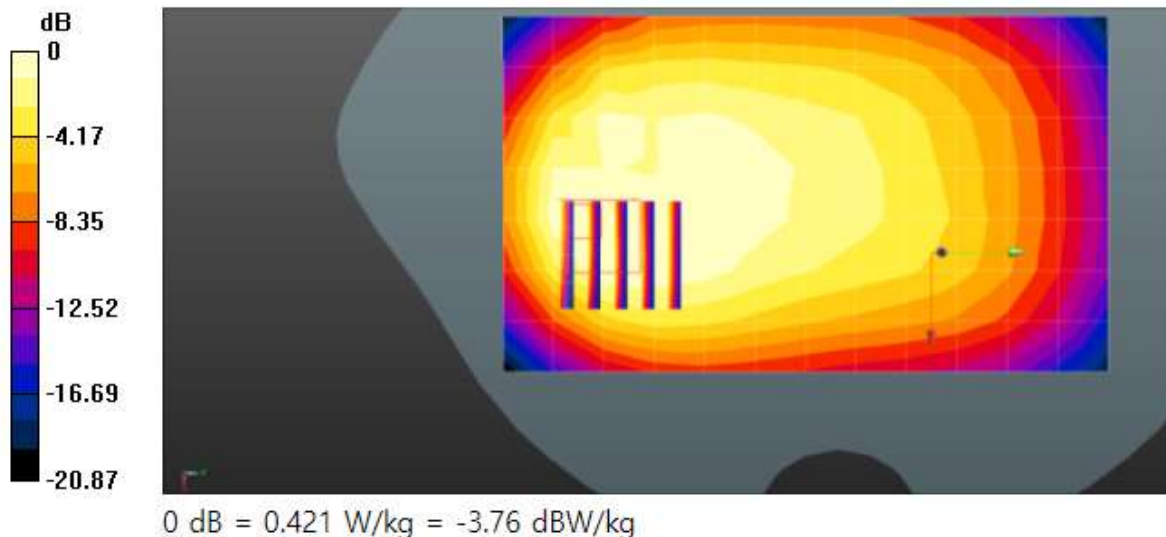
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.14 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 0.541 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.2 °C
Ambient Temperature: 21.3 °C
Test Date: 01/03/2022
Plot No.: 81

Communication System: UID 0, NR n5 (0); Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 40.696$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 836.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n5 Body Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.562 W/kg

NR Band n5 Body Rear DFT-s QPSK 20MHz 50RB 28offset 167300ch/Zoom Scan (5x5x7)/Cube

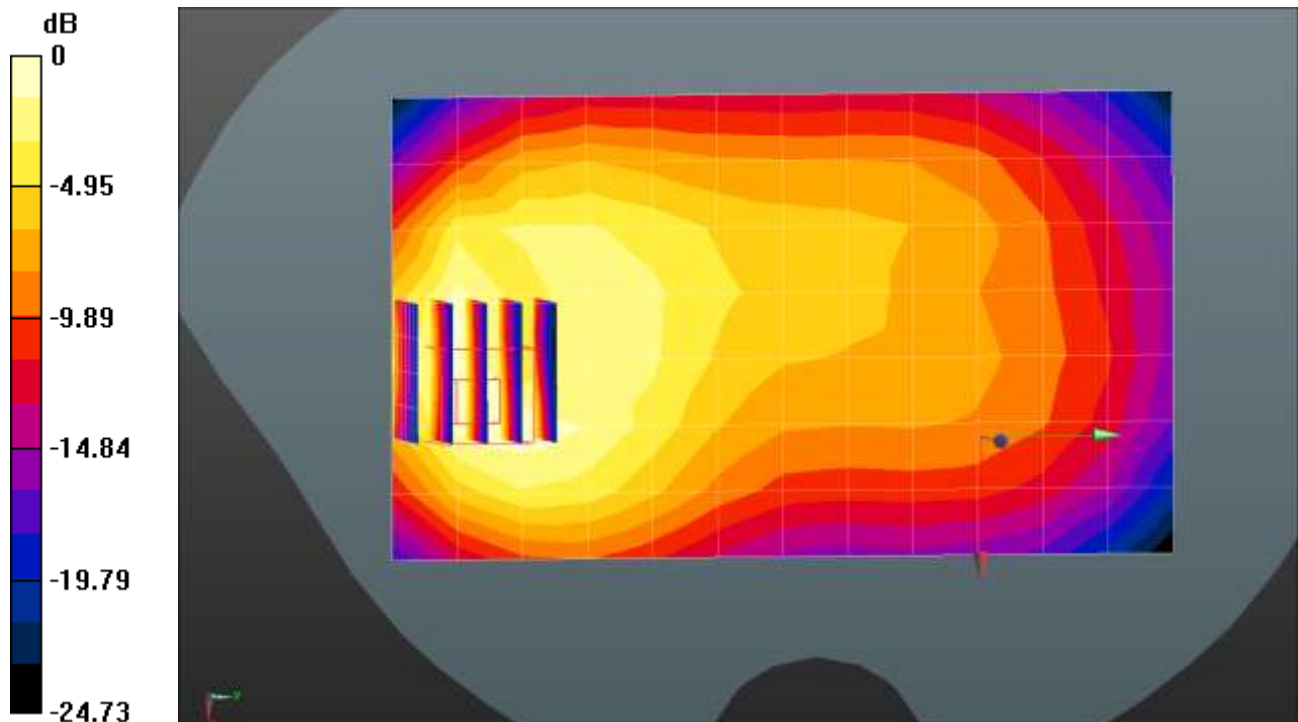
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.76 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.396 W/kg; SAR(10 g) = 0.224 W/kg

Maximum value of SAR (measured) = 0.583 W/kg



0 dB = 0.562 W/kg = -2.50 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.2 °C
Ambient Temperature: 21.3 °C
Test Date: 01/04/2022
Plot No.: 82

Communication System: UID 0, NR n12 (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 707.5$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 43.227$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 707.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n12 Body Rear DFT-s QPSK 15MHz 1RB 1offset 141500ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.116 W/kg

NR Band n12 Body Rear DFT-s QPSK 15MHz 1RB 1offset 141500ch/Zoom Scan (5x5x7)/Cube

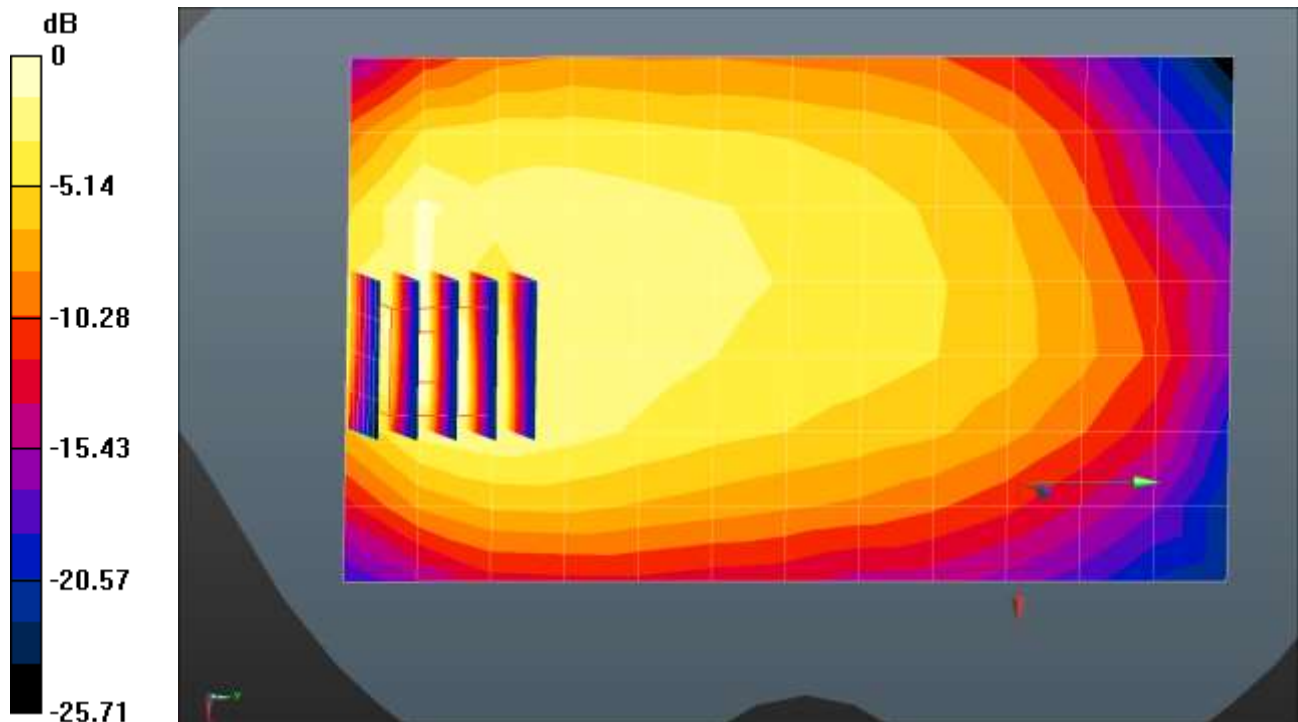
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.809 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.116 W/kg = -9.37 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.7 °C
Ambient Temperature: 20.8 °C
Test Date: 01/20/2022
Plot No.: 83

Communication System: UID 0, n25 (0); Frequency: 1882.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1882.5$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 40.745$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

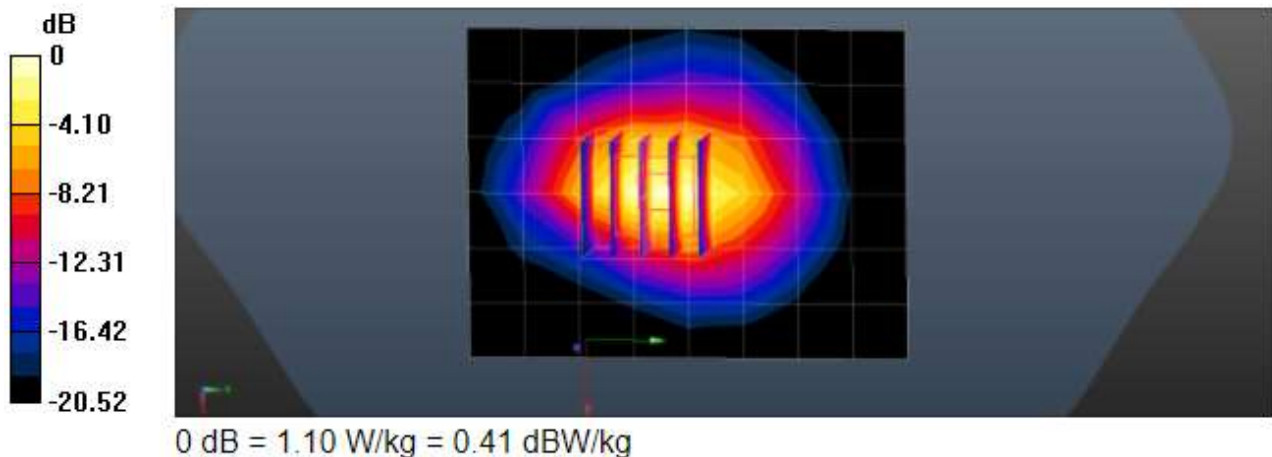
- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1882.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913
- Measurement SW: DASY52, Version 52.10 (4);

NR Band n25 Body Bottom DFT-s QPSK 20MHz 50RB 56offset 376500ch/Area Scan

(7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.971 W/kg

NR Band n25 Body Bottom DFT-s QPSK 20MHz 50RB 56offset 376500ch/Zoom Scan (5x5x7)/Cube

0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.31 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.704 W/kg; SAR(10 g) = 0.357 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.9 °C
Ambient Temperature: 21.0 °C
Test Date: 01/21/2022
Plot No.: 84

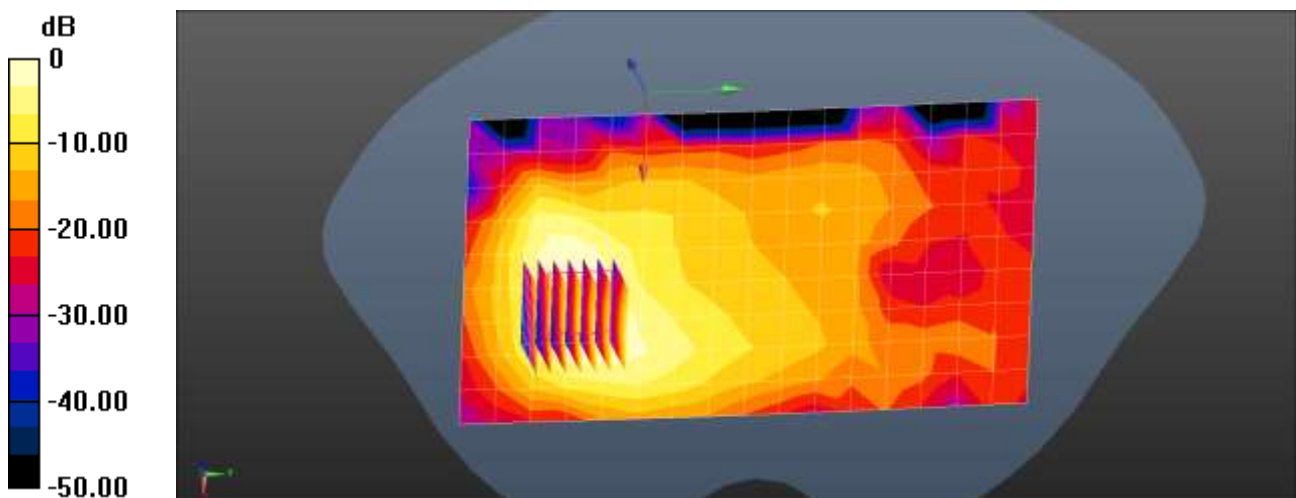
Communication System: UID 0, NR N30 (0); Frequency: 2310 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2310$ MHz; $\sigma = 1.716$ S/m; $\epsilon_r = 39.928$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2310 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09
- Measurement SW: DASY52, Version 52.10 (4)

NR Band 30 Body Rear CP QPSK 10MHz 1RB 1offset 46200ch/Area Scan (10x17x1): Measurement grid:
dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.252 W/kg

NR Band 30 Body Rear CP QPSK 10MHz 1RB 1offset 46200ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.832 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.490 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.111 W/kg
Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.252 W/kg = -5.98 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.3 °C
Ambient Temperature: 23.4 °C
Test Date: 01/18/2022
Plot No.: 85

Communication System: UID 0, NR Band n41 (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.916$ S/m; $\epsilon_r = 38.128$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2592.99 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- 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 (7483)

NR Band n41 Body Bottom CP QPSK 1RB 1offset 518598ch/Area Scan (7x11x1): Measurement grid:
dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.672 W/kg

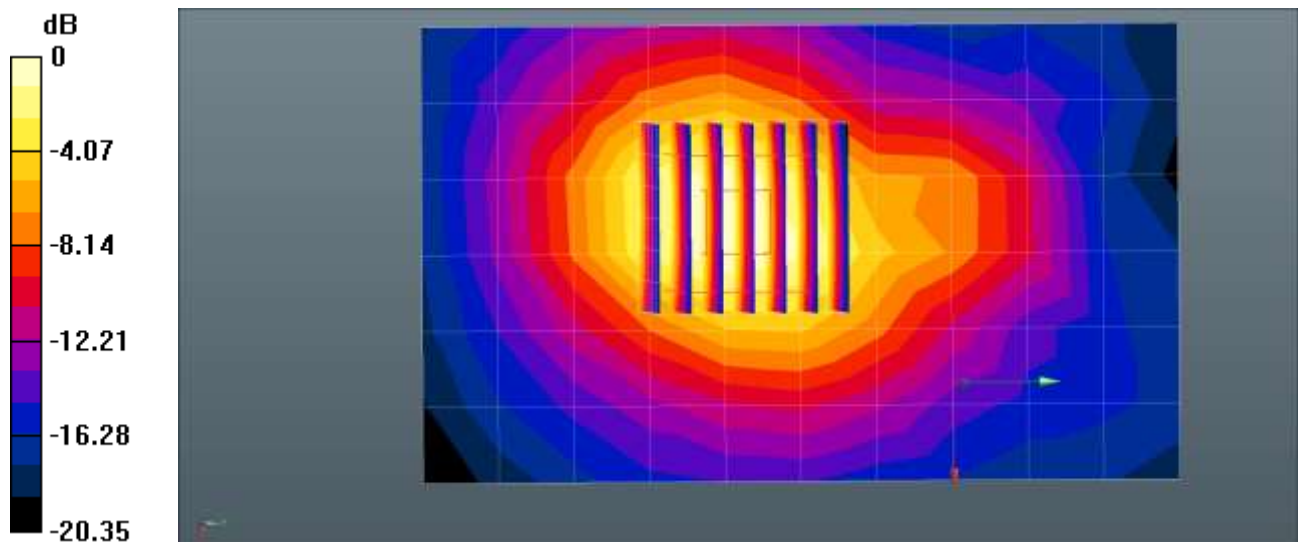
NR Band n41 Body Bottom CP QPSK 1RB 1offset 518598ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.24 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.219 W/kg

Maximum value of SAR (measured) = 0.794 W/kg



0 dB = 0.672 W/kg = -1.73 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.0 °C
Ambient Temperature: 21.1 °C
Test Date: 01/17/2022
Plot No.: 86

Communication System: UID 0, NR Band n41 (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.915$ S/m; $\epsilon_r = 38.098$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2592.99 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- 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 (7483)

NR Band n41 Body Top CP QPSK 1RB 1offset 518598ch/Area Scan (7x11x1): Measurement grid:
dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.389 W/kg

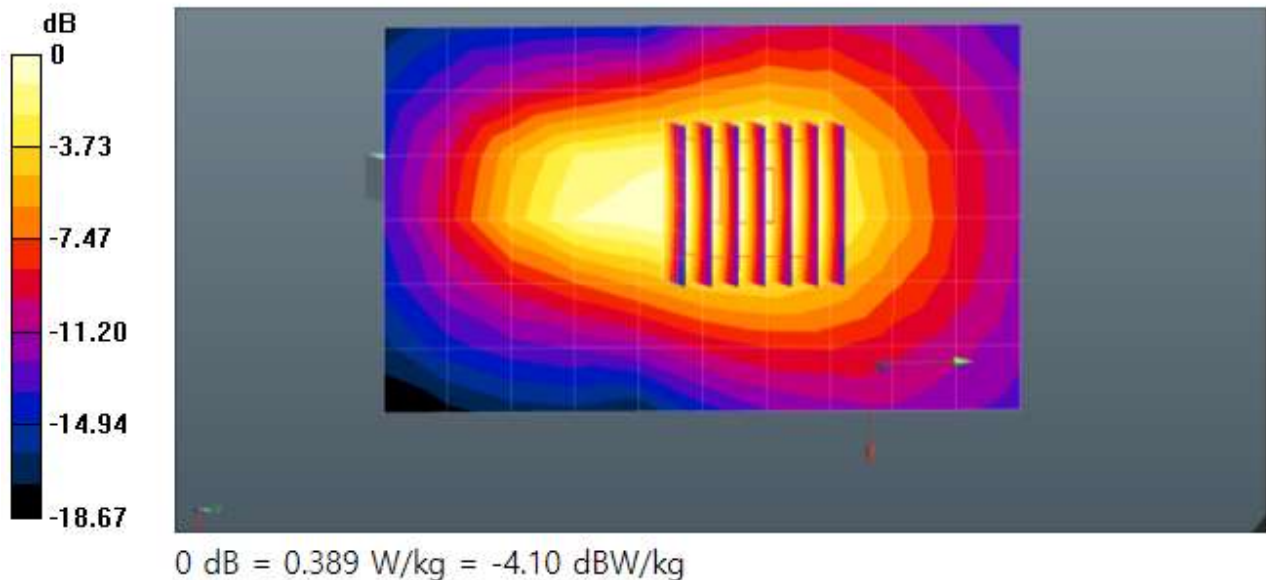
NR Band n41 Body Top CP QPSK 1RB 1offset 518598ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.73 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.548 W/kg

SAR(1 g) = 0.264 W/kg; SAR(10 g) = 0.131 W/kg

Maximum value of SAR (measured) = 0.436 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.6 °C
Ambient Temperature: 22.7 °C
Test Date: 01/12/2022
Plot No.: 87

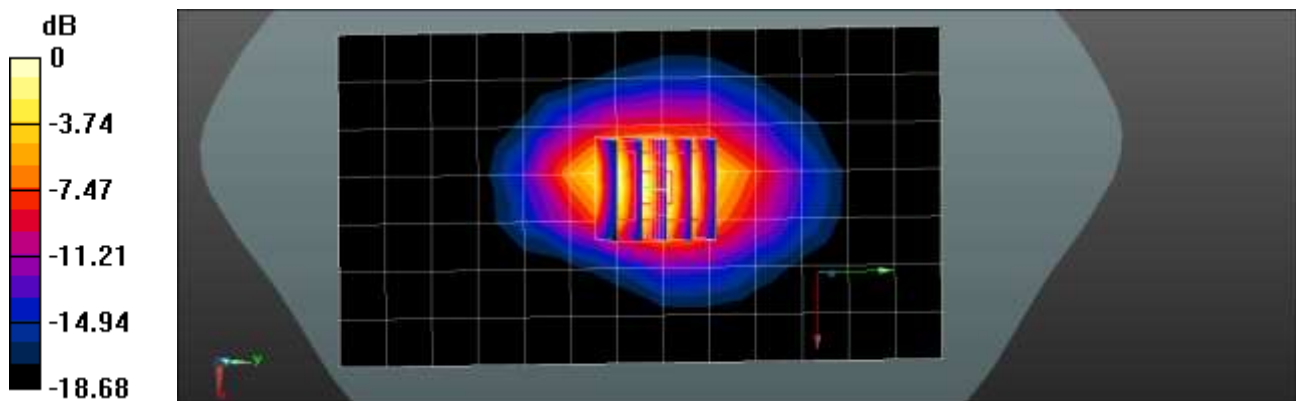
Communication System: UID 0, n66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.358$ S/m; $\epsilon_r = 41.486$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1770 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913
- Measurement SW: DASY52, Version 52.10 (4);

NR Band 66 Body Bottom CP QPSK 20MHz 1RB 1offset 354000ch/Area Scan (8x14x1): Measurement
grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.728 W/kg

NR Band 66 Body Bottom CP QPSK 20MHz 1RB 1offset 354000ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.98 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.603 W/kg; SAR(10 g) = 0.320 W/kg
Maximum value of SAR (measured) = 0.896 W/kg



0 dB = 0.896 W/kg = -0.48 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.0 °C
Ambient Temperature: 23.1 °C
Test Date: 01/05/2022
Plot No.: 88

Communication System: UID 0, NR n71 (0); Frequency: 680.5 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 680.5$ MHz; $\sigma = 0.89$ S/m; $\epsilon_r = 42.693$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 680.5 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n71 Body Rear DFT-s QPSK 20MHz 1RB 104offset 136100ch/Area Scan

(8x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.326 W/kg

NR Band n71 Body Rear DFT-s QPSK 20MHz 1RB 104offset 136100ch/Zoom Scan (5x5x7)/Cube

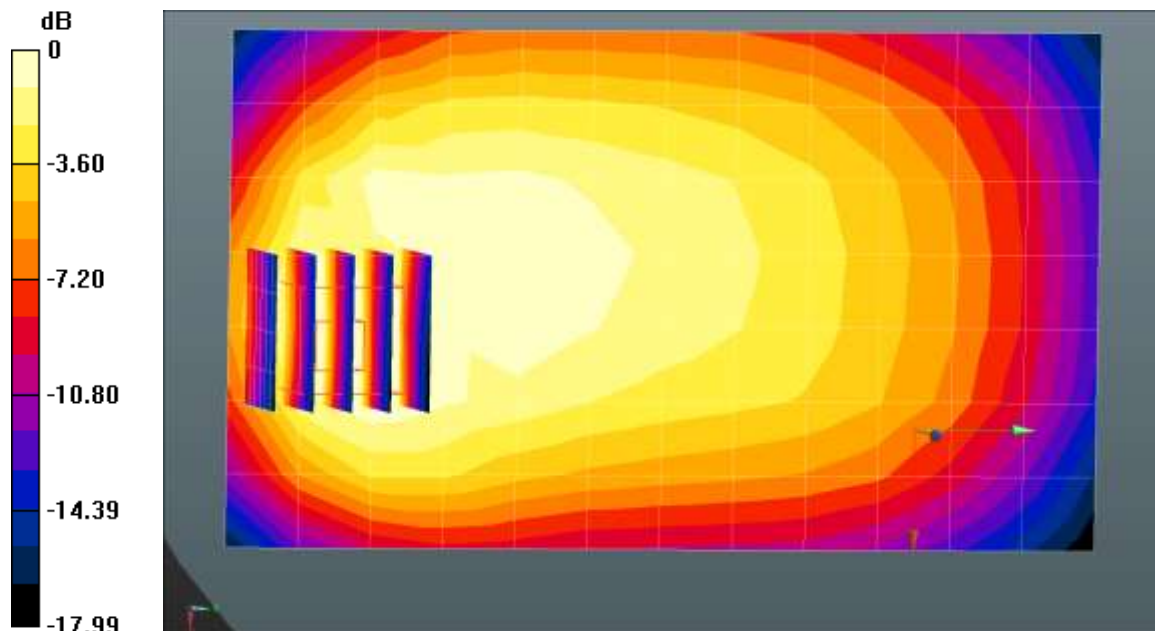
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.06 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.154 W/kg

Maximum value of SAR (measured) = 0.401 W/kg



$$0 \text{ dB} = 0.326 \text{ W/kg} = -4.87 \text{ dBW/kg}$$

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.8 °C
Ambient Temperature: 20.7 °C
Test Date: 01/11/2022
Plot No.: 89

Communication System: UID 0, n77 (0); Frequency: 3840 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3840$ MHz; $\sigma = 3.342$ S/m; $\epsilon_r = 38.252$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(6.85, 6.85, 6.85) @ 3840 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588_20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n77 Body Left DFT-s QPSK 100MHz 1RB 271offset 656000ch/Area Scan

(7x18x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.646 W/kg

NR Band n77 Body Left DFT-s QPSK 100MHz 1RB 271offset 656000ch/Zoom Scan (7x7x8)/Cube

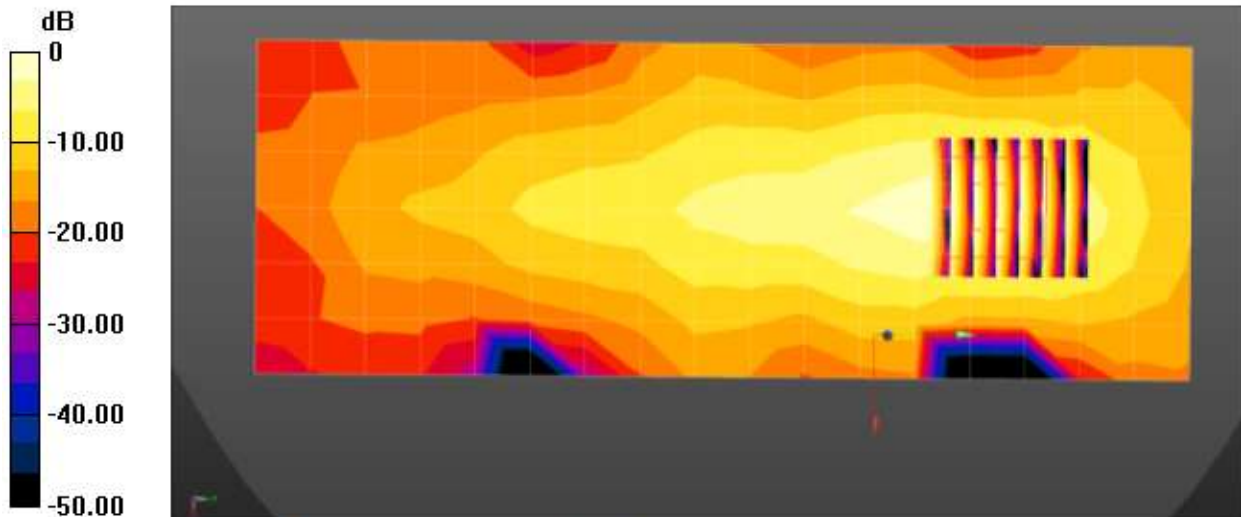
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 8.563 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.911 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.136 W/kg

Maximum value of SAR (measured) = 0.666 W/kg



0 dB = 0.646 W/kg = -1.90 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.1 °C
Ambient Temperature: 20.0 °C
Test Date: 01/13/2022
Plot No.: 90

Communication System: UID 0, n77 (0); Frequency: 3500.01 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 3500.01$ MHz; $\sigma = 2.927$ S/m; $\epsilon_r = 38.544$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.3, 7.3, 7.3) @ 3500.01 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588 20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n77 Body Top DFT-s QPSK 100MHz 1RB 271offset 633334ch/Area Scan

(7x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.351 W/kg

NR Band n77 Body Top DFT-s QPSK 100MHz 1RB 271offset 633334ch/Zoom Scan (7x7x8)/Cube

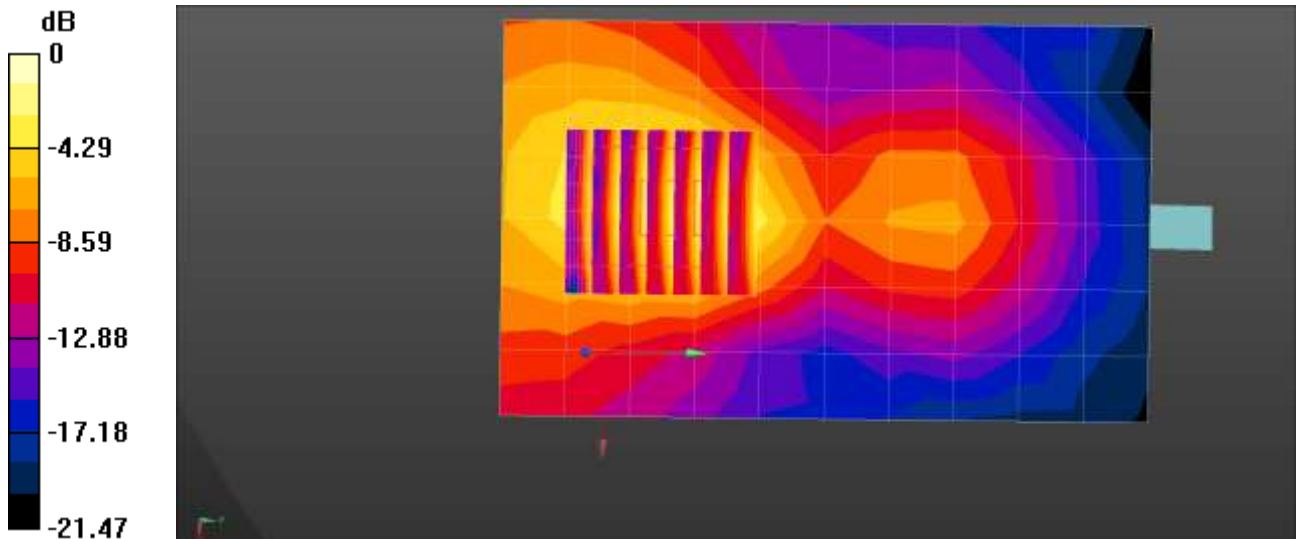
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 4.647 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.377 W/kg



0 dB = 0.351 W/kg = -4.55 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.8 °C
Ambient Temperature: 21.9 °C
Test Date: 12/29/2021
Plot No.: 91

Communication System: UID 0, 2450MHz FCC (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.752$ S/m; $\epsilon_r = 37.86$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2437 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

802.11b Body Top 1Mbps 6ch/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.746 W/kg

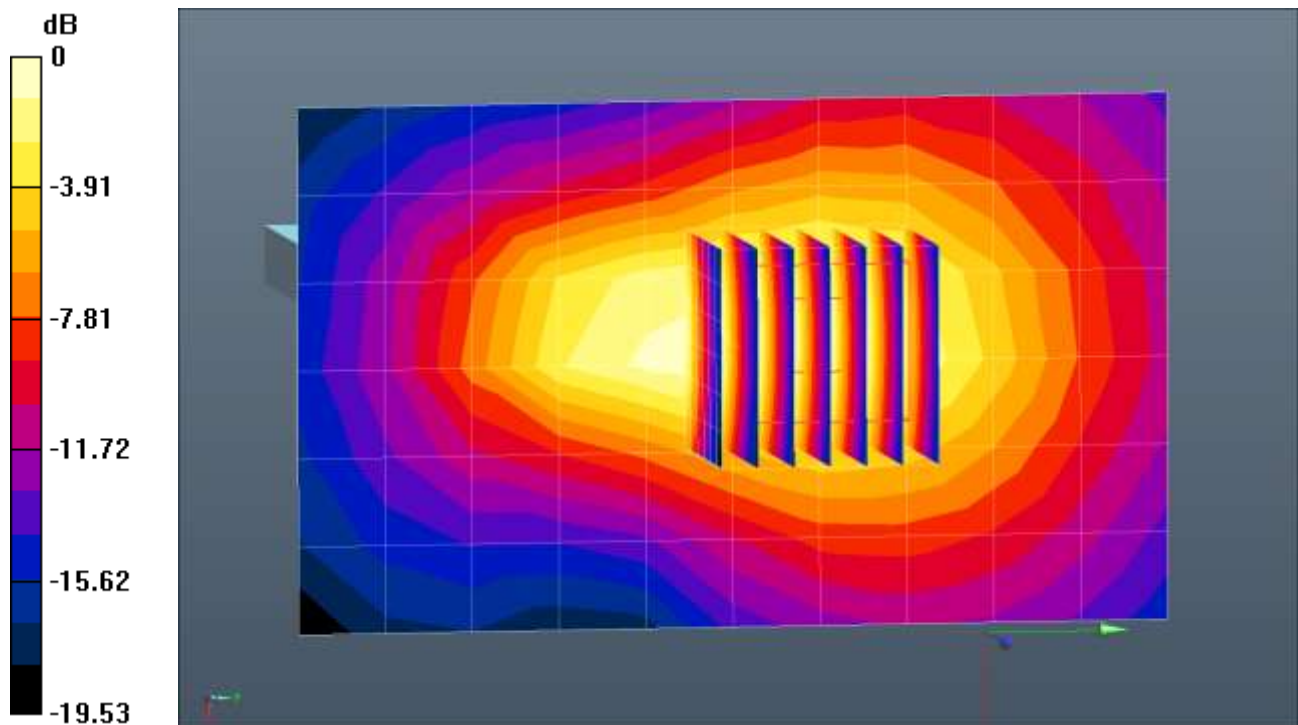
802.11b Body Top 1Mbps 6ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.76 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.991 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 0.806 W/kg



0 dB = 0.746 W/kg = -1.27 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.3 °C
Ambient Temperature: 20.4 °C
Test Date: 01/05/2022
Plot No.: 92

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 5.212$ S/m; $\epsilon_r = 36.338$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(5, 5, 5) @ 5745 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

802.11a Body Left 6Mbps 149ch/Area Scan (9x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.729 W/kg

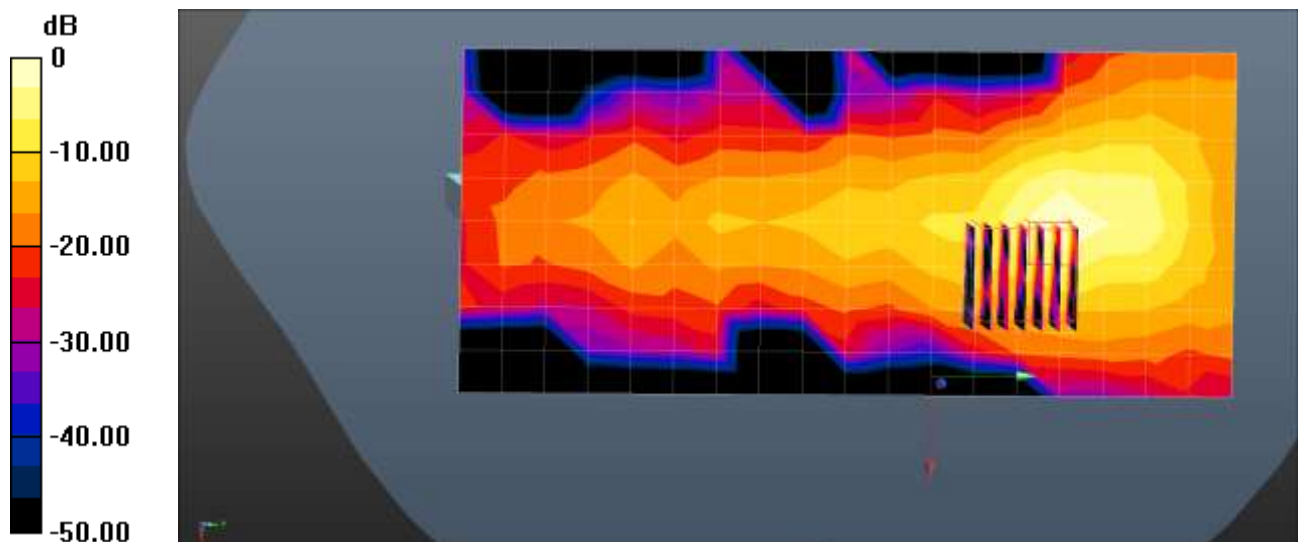
802.11a Body Left 6Mbps 149ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.263 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.212 W/kg; SAR(10 g) = 0.033 W/kg

Maximum value of SAR (measured) = 0.729 W/kg



0 dB = 0.729 W/kg = -1.37 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.9 °C
Ambient Temperature: 22.0 °C
Test Date: 12/30/2021
Plot No.: 93

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.304
Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.755$ S/m; $\epsilon_r = 37.785$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2441 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Bluetooth Body Top DH5 39ch/Area Scan (7x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.357 W/kg

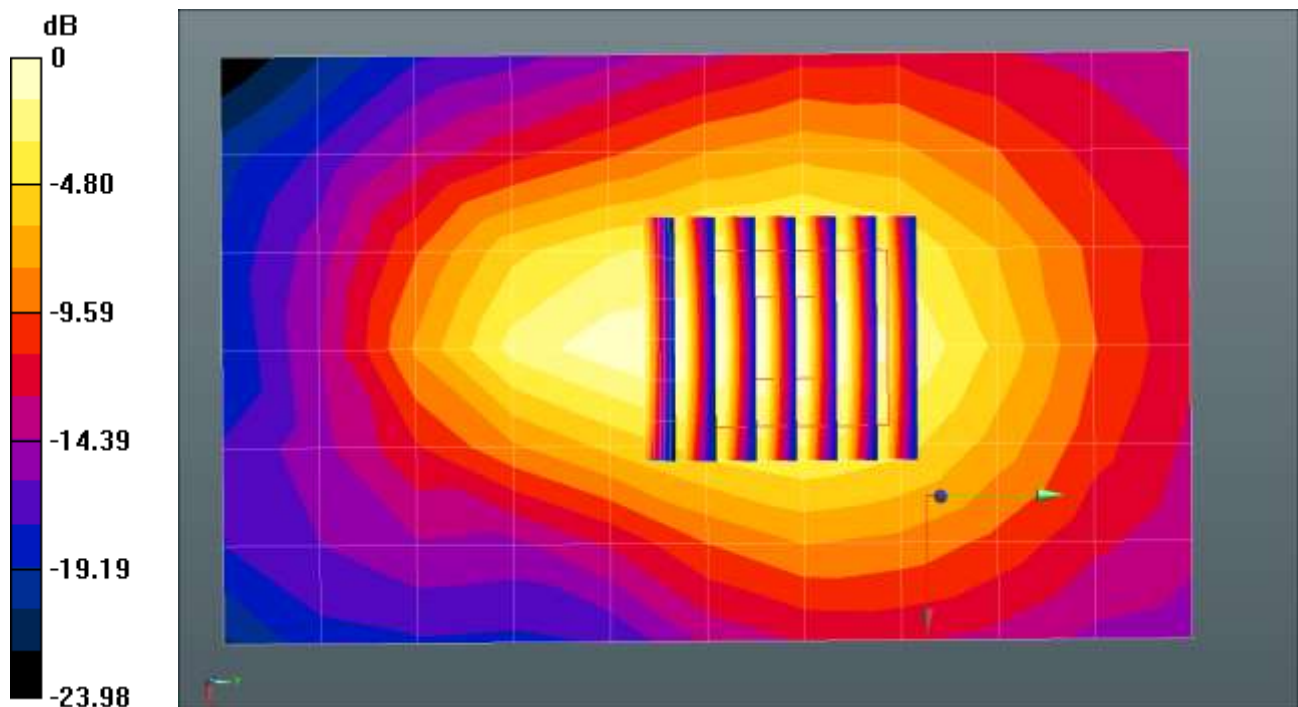
Bluetooth Body Top DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.73 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.457 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.372 W/kg



0 dB = 0.357 W/kg = -4.47 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.6 °C
Ambient Temperature: 21.7 °C
Test Date: 12/20/2021
Plot No.: 94

Communication System: UID 0, WCDMA1900 (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 41.05$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1852.4 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

UMTS Band 2 Phablet Bottom 9262ch Grip/Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.73 W/kg

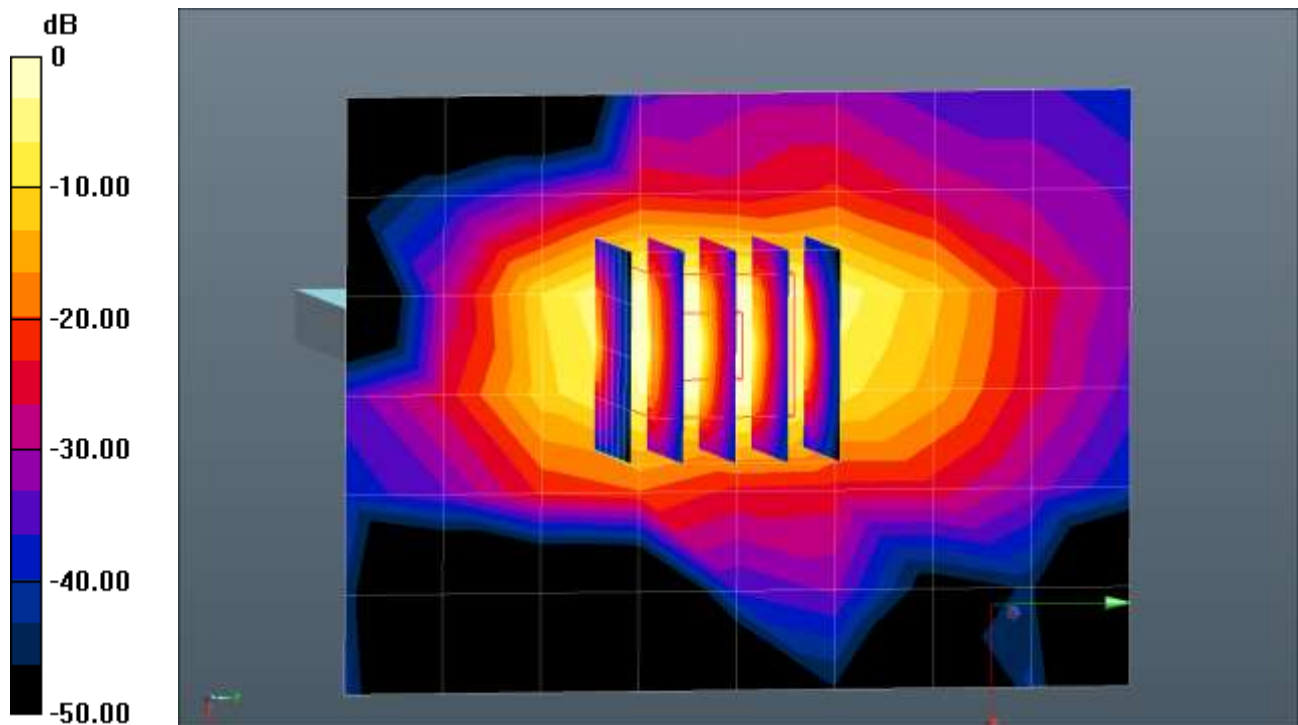
UMTS Band 2 Phablet Bottom 9262ch Grip/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.51 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 3.73 W/kg = 5.72 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.5 °C
Ambient Temperature: 22.6 °C
Test Date: 12/09/2021
Plot No.: 95

Communication System: UID 0, LTE Band 25 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 1860$ MHz; $\sigma = 1.412$ S/m; $\epsilon_r = 38.621$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

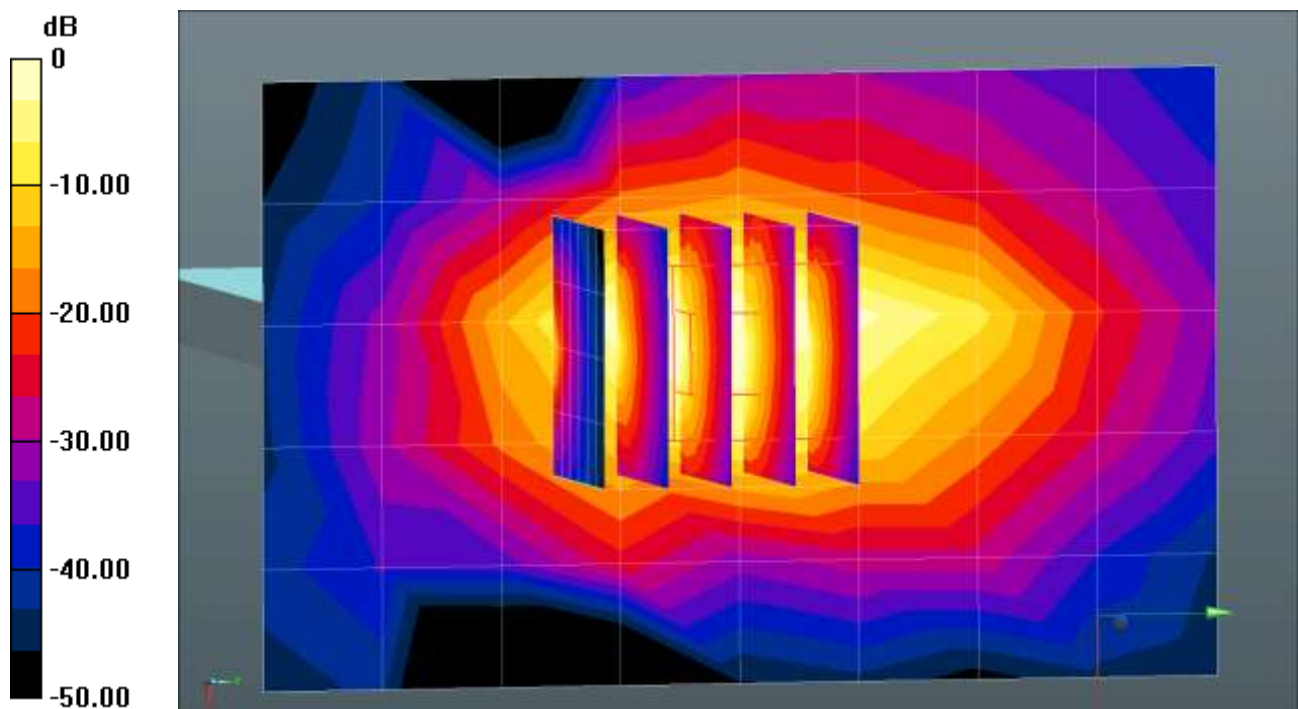
- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1860 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 25 Phablet Bottom QPSK 20MHz 1RB 99offset 26140ch Grip/Area Scan (6x9x1):

Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (measured) = 4.24 W/kg

LTE Band 25 Phablet Bottom QPSK 20MHz 1RB 99offset 26140ch Grip/Zoom Scan (5x5x7)/Cube 0:

Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 71.31 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 9.22 W/kg
SAR(1 g) = 3.87 W/kg; SAR(10 g) = 1.63 W/kg
Maximum value of SAR (measured) = 7.48 W/kg



0 dB = 4.24 W/kg = 6.28 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 21.2 °C
Ambient Temperature: 21.3 °C
Test Date: 12/28/2021
Plot No.: 96

Communication System: UID 0, LTE 66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.354$ S/m; $\epsilon_r = 41.278$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1770 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

LTE Band 66 Phablet Bottom QPSK 20MHz 50RB 25offset 132572ch Grip/Area Scan

(6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.15 W/kg

LTE Band 66 Phablet Bottom QPSK 20MHz 50RB 25offset 132572ch Grip/Zoom Scan (5x5x7)/Cube

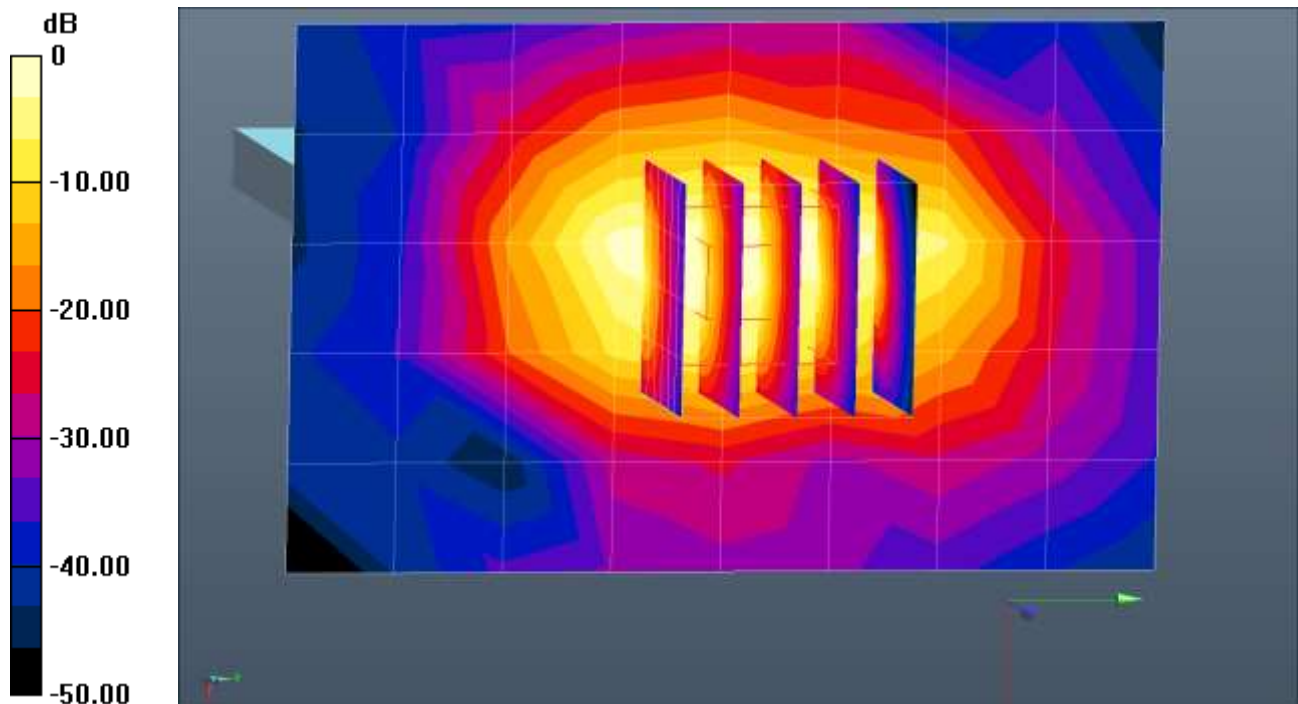
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.08 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 8.41 W/kg

SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.63 W/kg

Maximum value of SAR (measured) = 6.88 W/kg



0 dB = 4.15 W/kg = 6.18 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 23.4 °C
Ambient Temperature: 23.5 °C
Test Date: 01/19/2022
Plot No.: 97

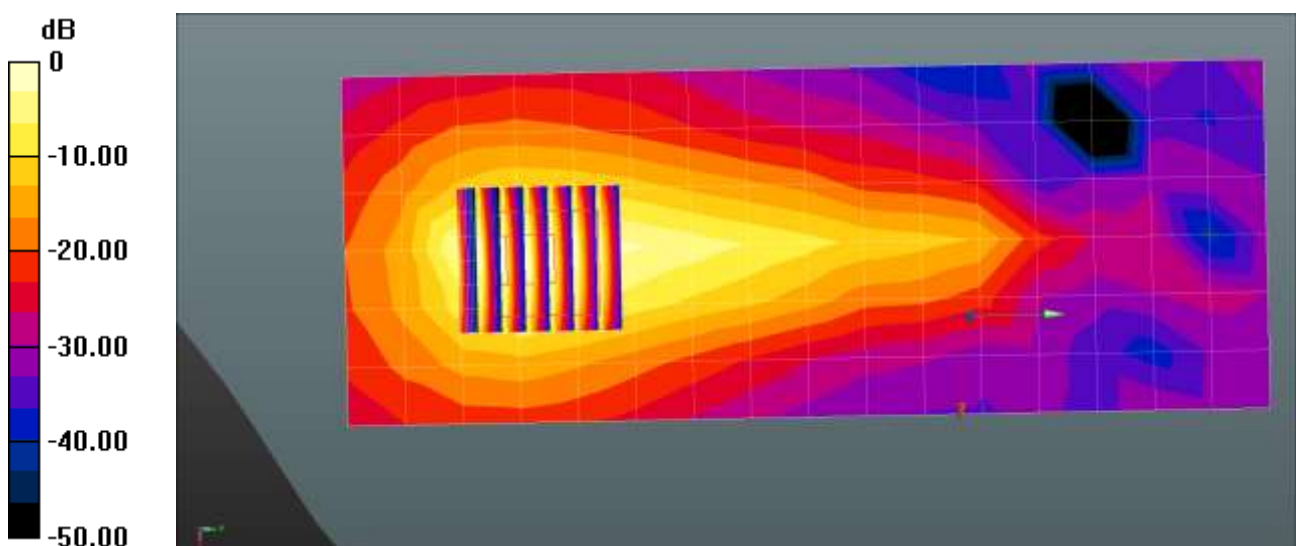
Communication System: UID 0, NR Band n41 (0); Frequency: 2592.99 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 2592.99$ MHz; $\sigma = 1.962$ S/m; $\epsilon_r = 38.469$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2592.99 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- Phantom: SAM with CRP v5.0(Front); Type: QD000P40CD; Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n41 Body Left DFT-s QPSK 1RB 137offset 518598ch/Area Scan (7x17x1): Measurement grid:
dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.84 W/kg

NR Band n41 Body Left DFT-s QPSK 1RB 137offset 518598ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.50 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 10.9 W/kg
SAR(1 g) = 2.5 W/kg; SAR(10 g) = 0.933 W/kg
Maximum value of SAR (measured) = 6.13 W/kg



0 dB = 4.84 W/kg = 6.85 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.0 °C
Ambient Temperature: 20.1 °C
Test Date: 01/13/2022
Plot No.: 98

Communication System: UID 0, n66 (0); Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1770$ MHz; $\sigma = 1.36$ S/m; $\epsilon_r = 41.484$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1770 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913
- Measurement SW: DASY52, Version 52.10 (4);

NR Band 66 Phablet Bottom DFT-s QPSK 20MHz 1RB 53offset 354000ch/Area Scan

(7x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.67 W/kg

NR Band 66 Phablet Bottom DFT-s QPSK 20MHz 1RB 53offset 354000ch/Zoom Scan (5x5x7)/Cube

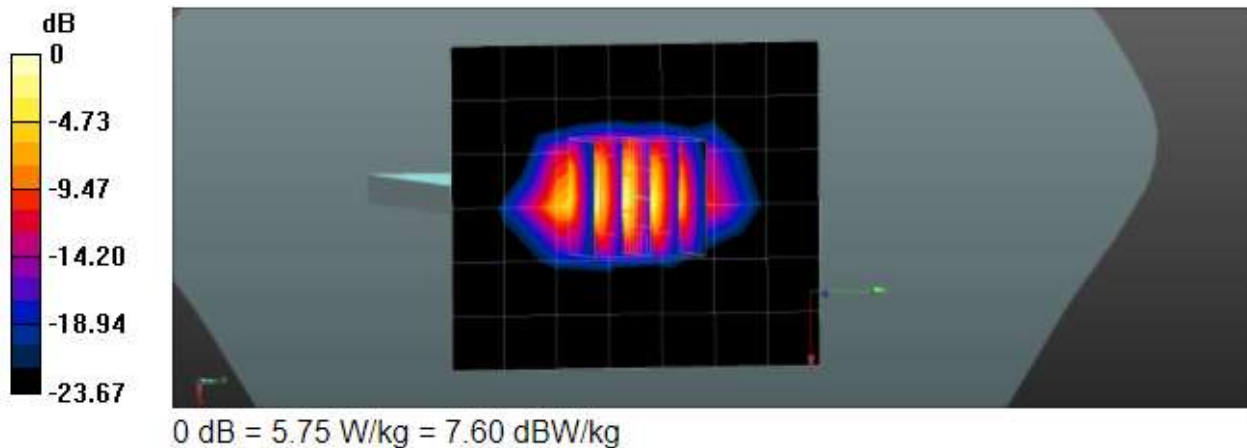
0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 62.61 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 7.26 W/kg

SAR(1 g) = 3.12 W/kg; SAR(10 g) = 1.3 W/kg

Maximum value of SAR (measured) = 5.75 W/kg



Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 22.6 °C
Ambient Temperature: 22.7 °C
Test Date: 01/12/2022
Plot No.: 99

Communication System: UID 0, n77 (0); Frequency: 3750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3750$ MHz; $\sigma = 3.157$ S/m; $\epsilon_r = 37.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.25, 7.25, 7.25) @ 3750 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588_20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n77 Phablet Left DFT-s QPSK 100MHz 1RB 271offset 650000ch/Area Scan

(7x17x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 9.31 W/kg

NR Band n77 Phablet Left DFT-s QPSK 100MHz 1RB 271offset 650000ch/Zoom Scan (7x7x8)/Cube

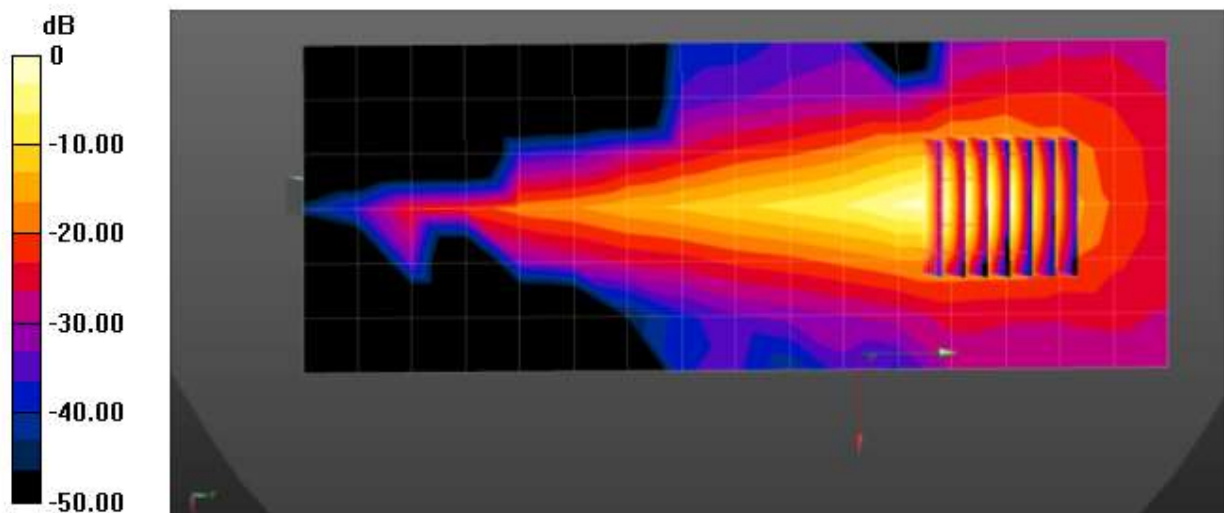
0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 14.94 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 3.98 W/kg; SAR(10 g) = 1.14 W/kg

Maximum value of SAR (measured) = 9.45 W/kg



0 dB = 9.31 W/kg = 9.69 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 20.6 °C
Ambient Temperature: 20.7 °C
Test Date: 01/14/2022
Plot No.: 100

Communication System: UID 0, n77 (0); Frequency: 3500.01 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 3500.01$ MHz; $\sigma = 2.946$ S/m; $\epsilon_r = 38.654$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

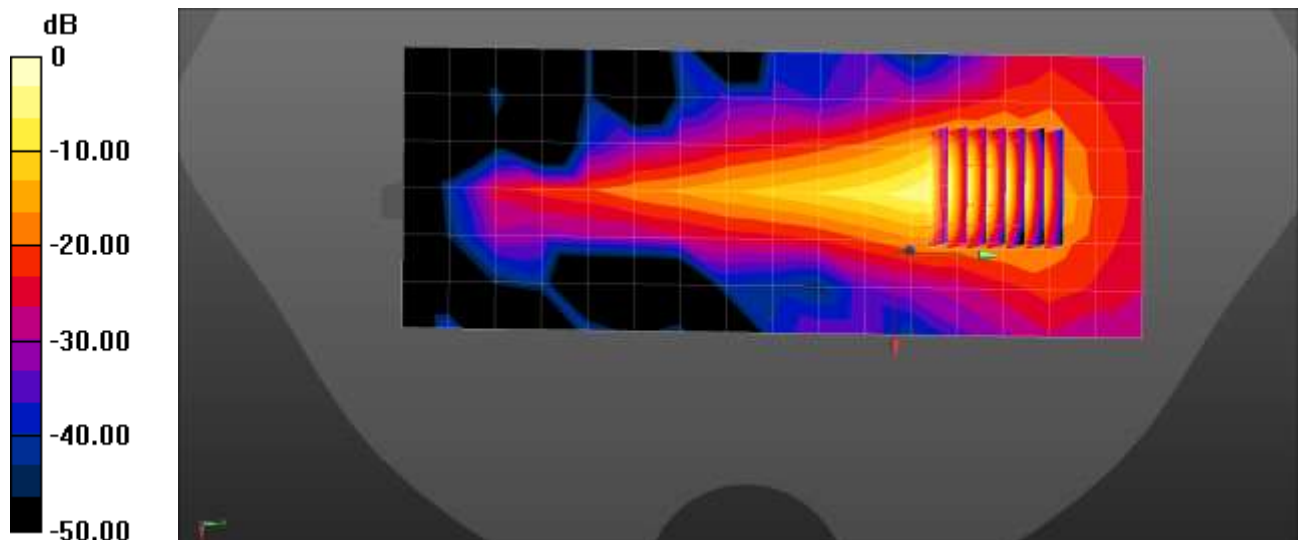
- Probe: EX3DV4 - SN7655; ConvF(7.3, 7.3, 7.3) @ 3500.01 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588_20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

NR Band n77 Phablet Left DFT-s QPSK 100MHz 1RB 271offset 633334ch/Area Scan

(7x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 8.29 W/kg

NR Band n77 Phablet Left DFT-s QPSK 100MHz 1RB 271offset 633334ch/Zoom Scan (7x7x8)/Cube

0: Measurement grid: dx=5mm, dy=5mm, dz=4mm
Reference Value = 13.15 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 15.0 W/kg
SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.13 W/kg
Maximum value of SAR (measured) = 9.24 W/kg



0 dB = 8.29 W/kg = 9.19 dBW/kg

Test Laboratory: HCT CO., LTD
EUT Type: Mobile Phone
Liquid Temperature: 18.5 °C
Ambient Temperature: 18.6 °C
Test Date: 01/03/2022
Plot No.: 102 5GHz

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5320 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5320$ MHz; $\sigma = 4.704$ S/m; $\epsilon_r = 36.734$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(5.55, 5.55, 5.55) @ 5320 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

802.11a Body Rear 6Mbps 64ch/Area Scan (11x19x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 7.55 W/kg

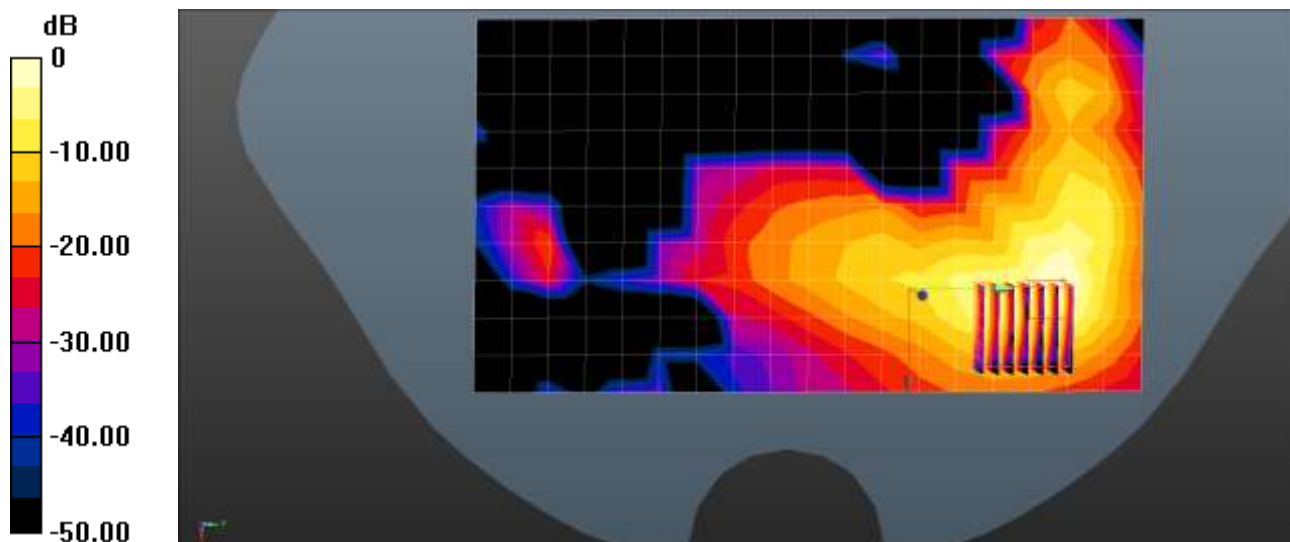
802.11a Body Rear 6Mbps 64ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.594 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 3.47 W/kg; SAR(10 g) = 0.810 W/kg

Maximum value of SAR (measured) = 9.41 W/kg



0 dB = 7.55 W/kg = 8.78 dBW/kg

Appendix C. – Dipole Verification Plots

Verification Data (750 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.9 °C
Test Date: 12/07/2021

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.9 \text{ S/m}$; $\epsilon_r = 42.554$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 750 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right 20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.548 W/kg

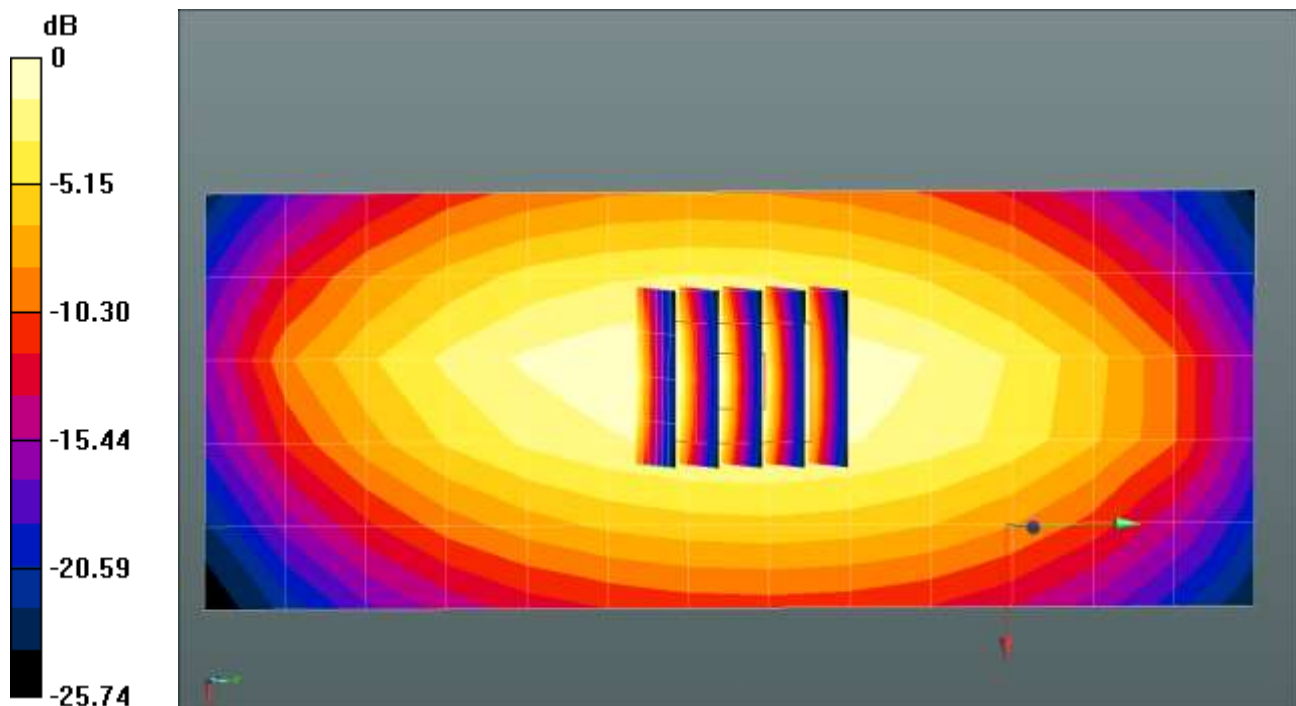
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.15 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.655 W/kg

SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.582 W/kg



0 dB = 0.548 W/kg = -2.61 dBW/kg

Verification Data (750 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.5 °C
Test Date: 12/01/2021

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 42.596$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 750 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.553 W/kg

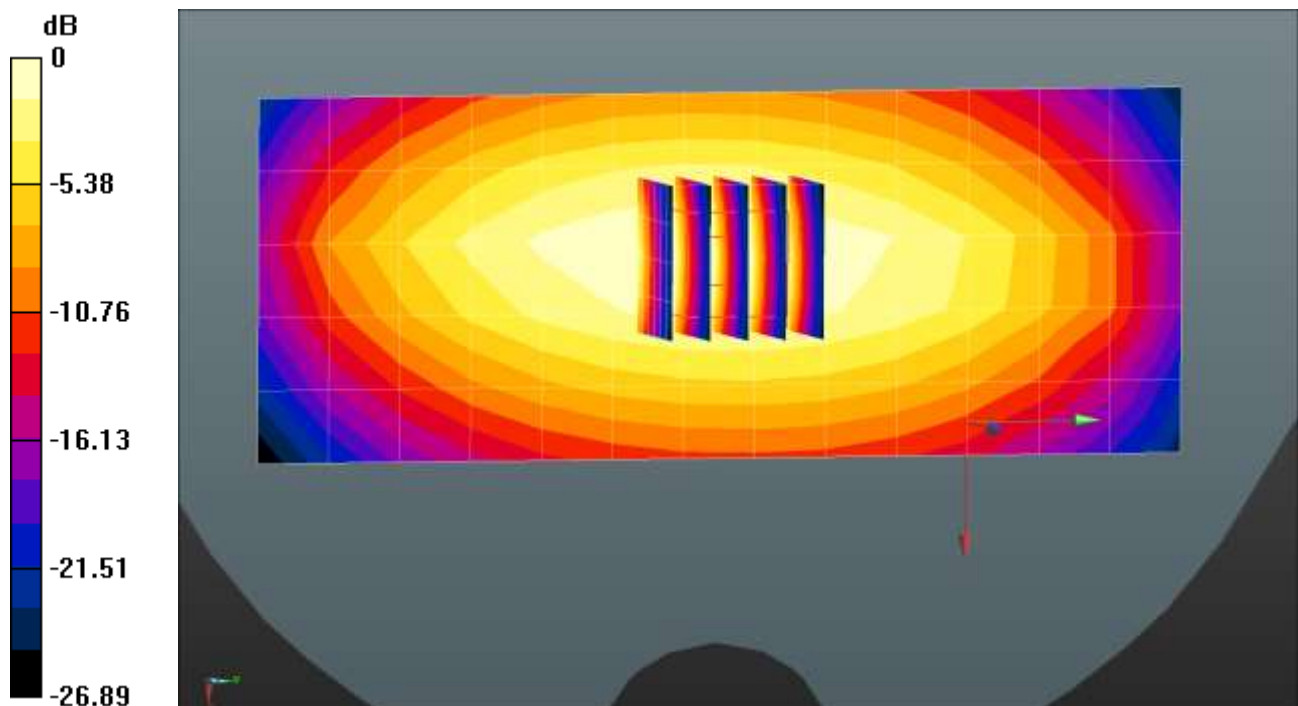
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.29 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.660 W/kg

SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 0.587 W/kg



0 dB = 0.553 W/kg = -2.57 dBW/kg

Verification Data (750 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.4 °C
Test Date: 12/02/2021

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 42.554$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 750 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right 20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.555 W/kg

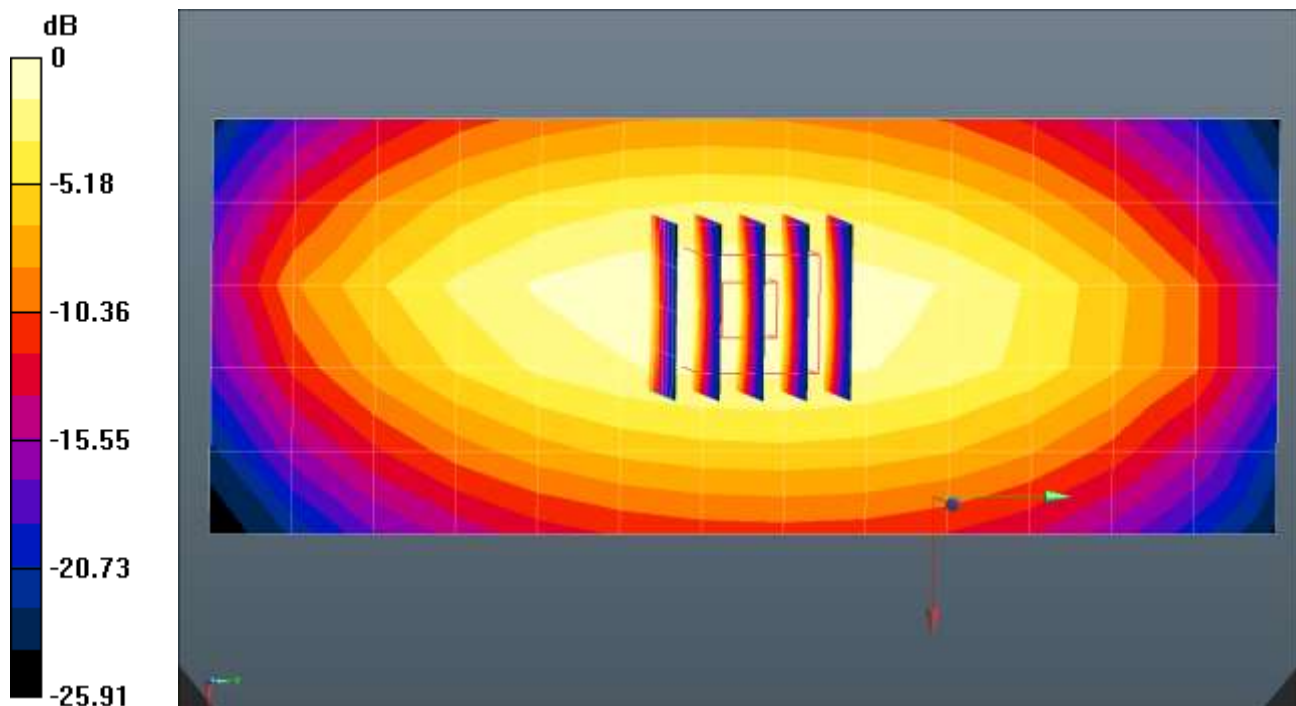
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.26 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.658 W/kg

SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 0.585 W/kg



0 dB = 0.555 W/kg = -2.55 dBW/kg

Verification Data (750 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.3 °C
Test Date: 12/03/2021

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.897 \text{ S/m}$; $\epsilon_r = 42.576$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 750 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.550 W/kg

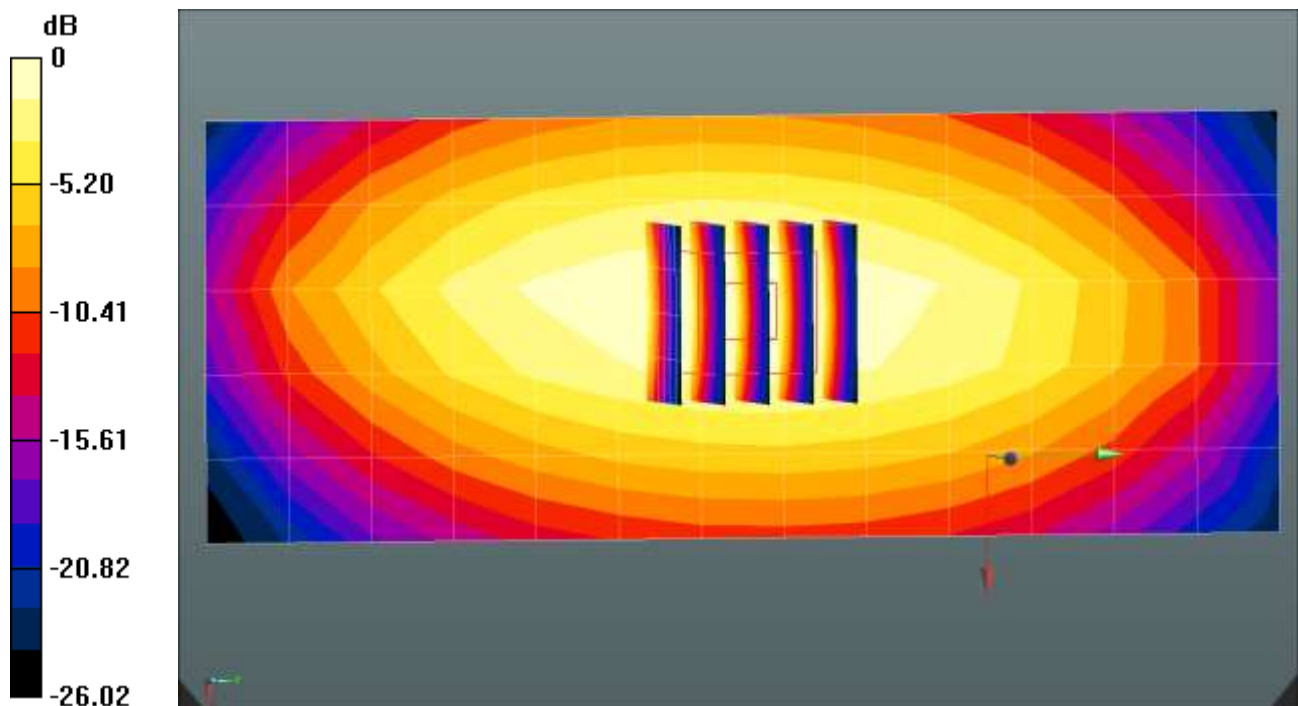
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.19 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.657 W/kg

SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.293 W/kg

Maximum value of SAR (measured) = 0.587 W/kg



0 dB = 0.550 W/kg = -2.60 dBW/kg

Verification Data (835 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.5 °C
Test Date: 12/15/2021

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.938 \text{ S/m}$; $\epsilon_r = 41.057$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section VB

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 835 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right 20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

835MHz Head Verification/Area Scan (6x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.603 W/kg

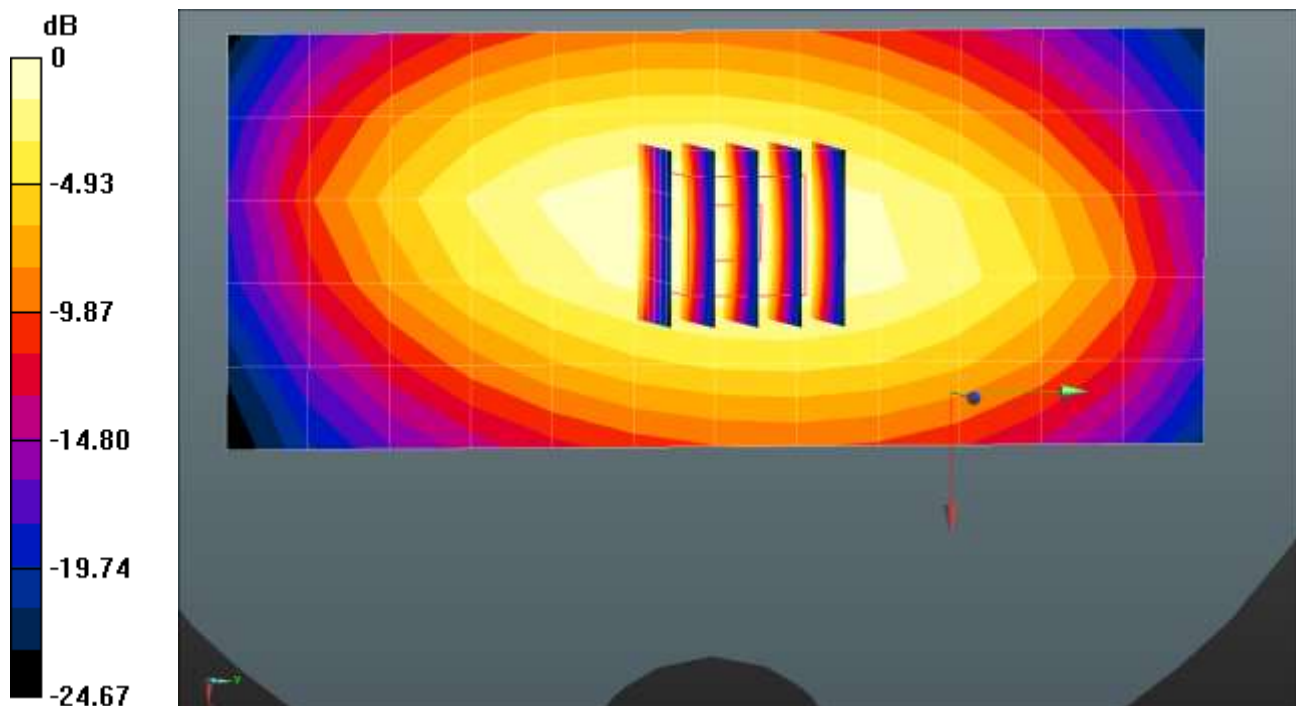
835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.95 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.761 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.671 W/kg



0 dB = 0.603 W/kg = -2.20 dBW/kg

Verification Data (835 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.6 °C
Test Date: 12/22/2021

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 41.386$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 835 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.591 W/kg

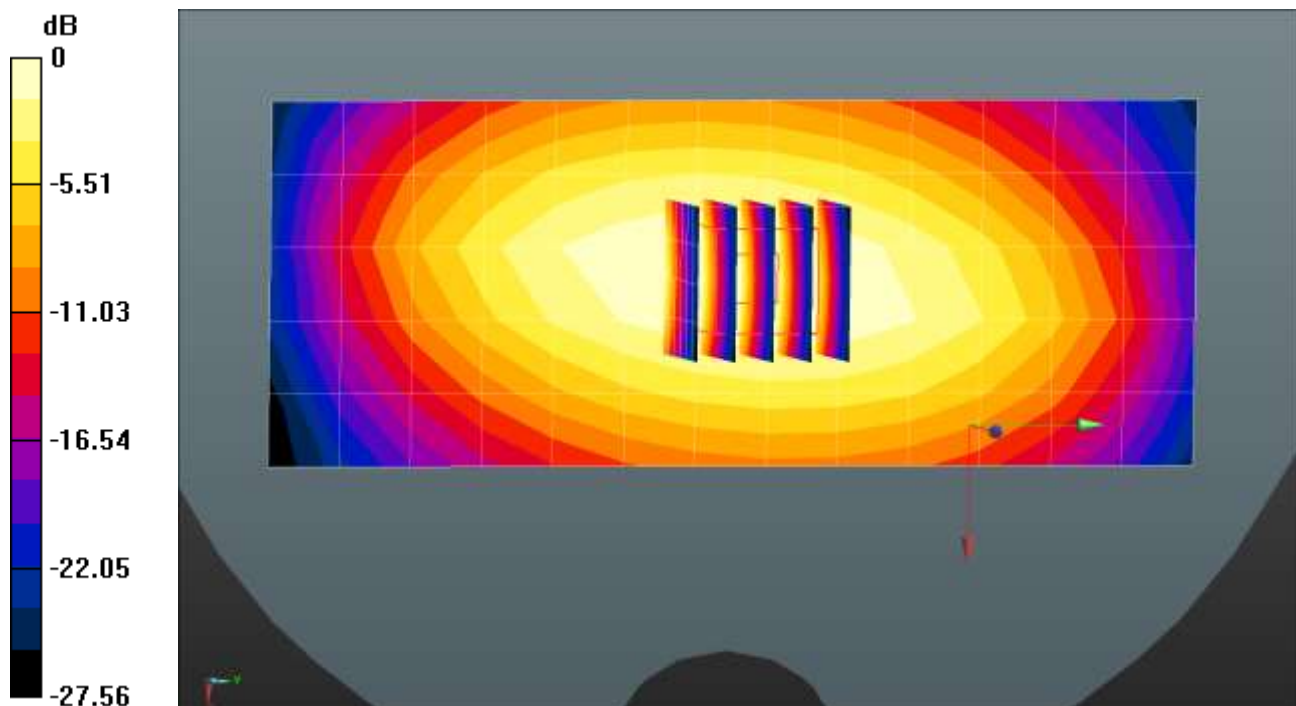
835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.86 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.327 W/kg

Maximum value of SAR (measured) = 0.662 W/kg



0 dB = 0.591 W/kg = -2.28 dBW/kg

Verification Data (835 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.4 °C
Test Date: 12/06/2021

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.931 \text{ S/m}$; $\epsilon_r = 41.684$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 835 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

835MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.611 W/kg

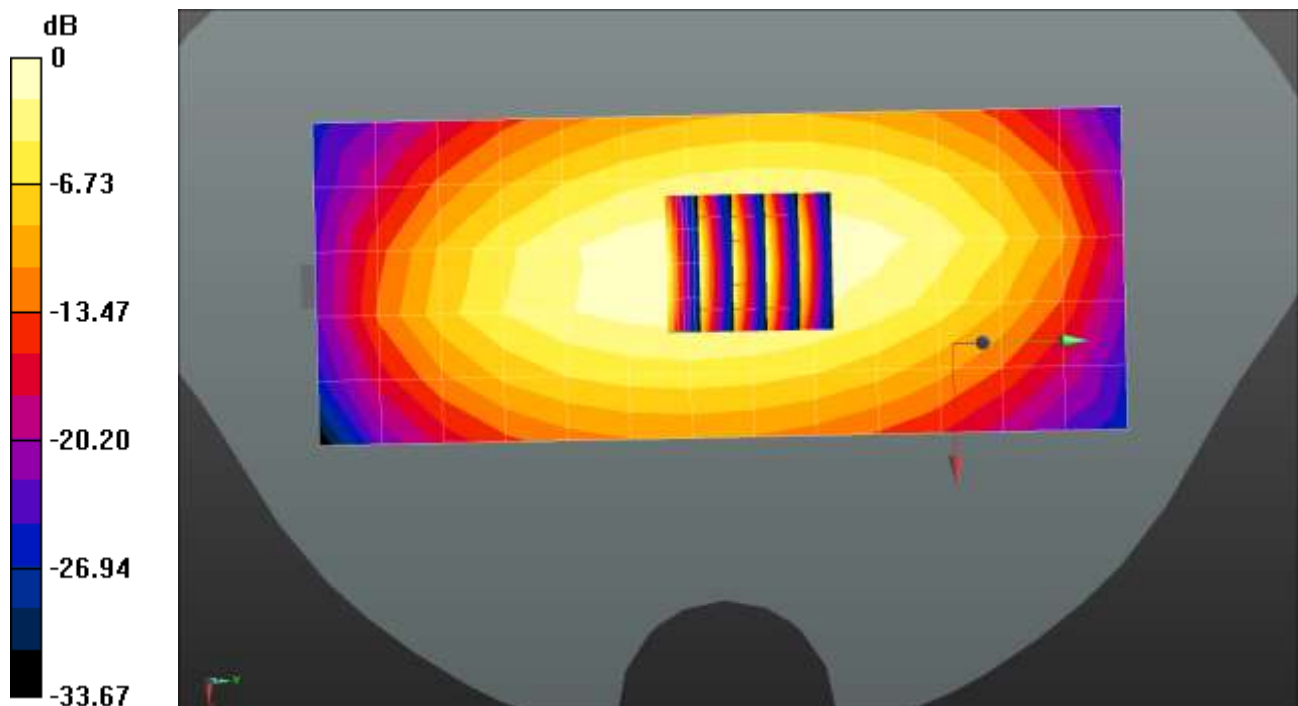
835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.56 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 0.660 W/kg



0 dB = 0.611 W/kg = -2.14 dBW/kg

Verification Data (1800 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.5 °C
Test Date: 12/21/2021

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.397$ S/m; $\epsilon_r = 41.17$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1800 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1800MHz Head Verification/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.64 W/kg

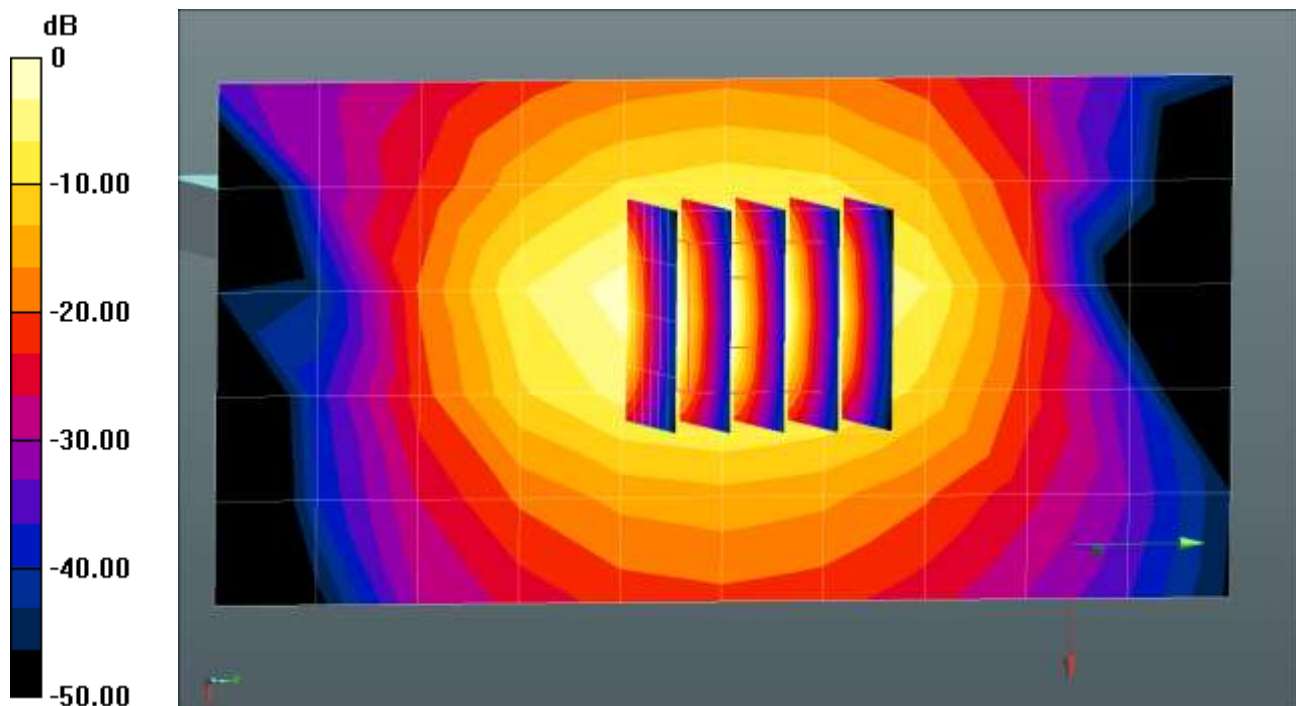
1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.26 V/m; Power Drift = 0.22 dB

Peak SAR (extrapolated) = 3.29 W/kg

SAR(1 g) = 1.86 W/kg; SAR(10 g) = 0.989 W/kg

Maximum value of SAR (measured) = 2.82 W/kg



0 dB = 2.64 W/kg = 4.22 dBW/kg

Verification Data (1800 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 23.1 °C
Test Date: 12/27/2021

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 41.167$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1800 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1800MHz Head Verification/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.65 W/kg

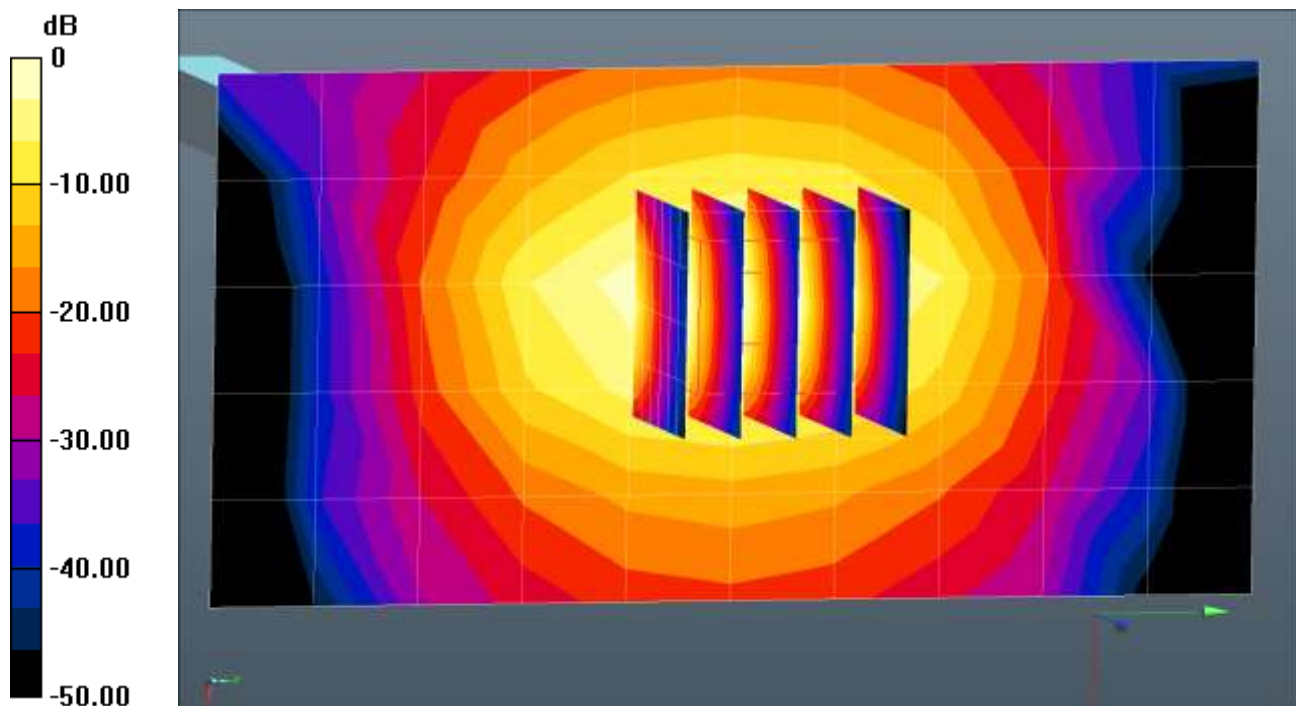
1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.40 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 1.83 W/kg; SAR(10 g) = 0.976 W/kg

Maximum value of SAR (measured) = 2.77 W/kg



0 dB = 2.65 W/kg = 4.23 dBW/kg

Verification Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.4 °C
Test Date: 12/16/2021

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.421$ S/m; $\epsilon_r = 39.234$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.97 W/kg

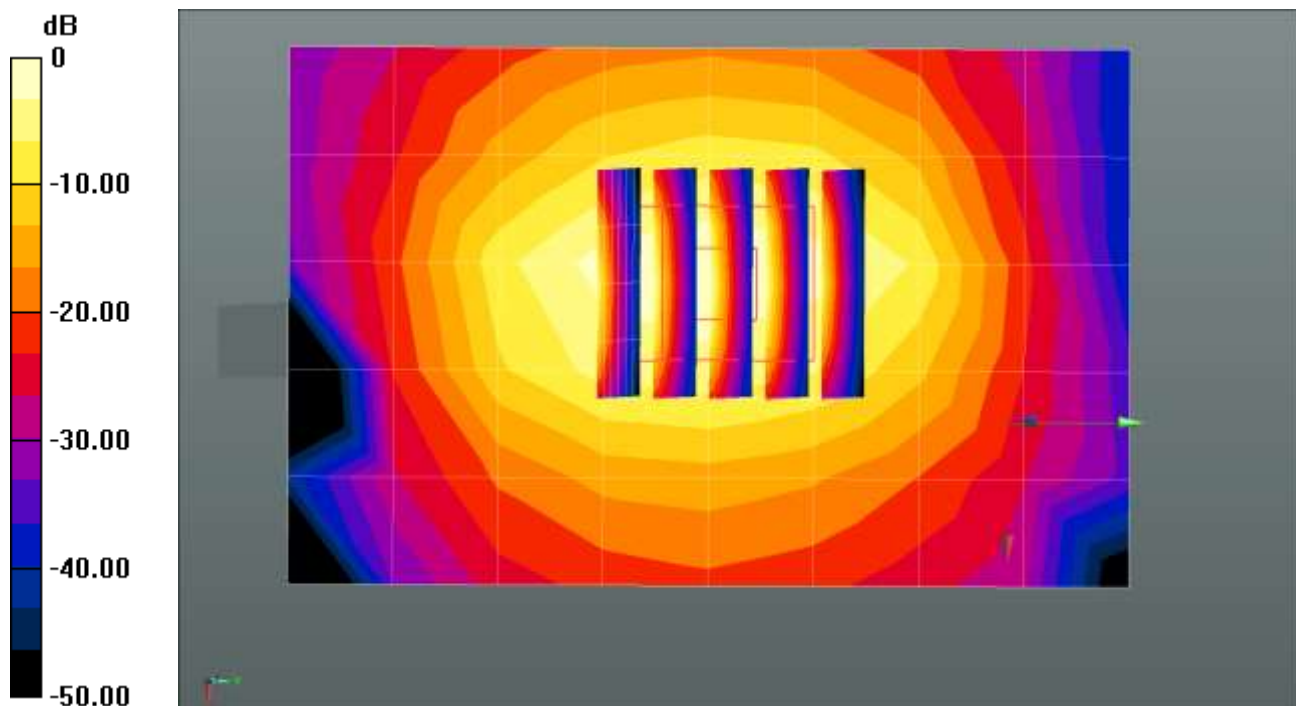
1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.25 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.71 W/kg

SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.04 W/kg

Maximum value of SAR (measured) = 3.13 W/kg



0 dB = 2.97 W/kg = 4.73 dBW/kg

Verification Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.9 °C
Test Date: 12/17/2021

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.449$ S/m; $\epsilon_r = 40.843$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.00 W/kg

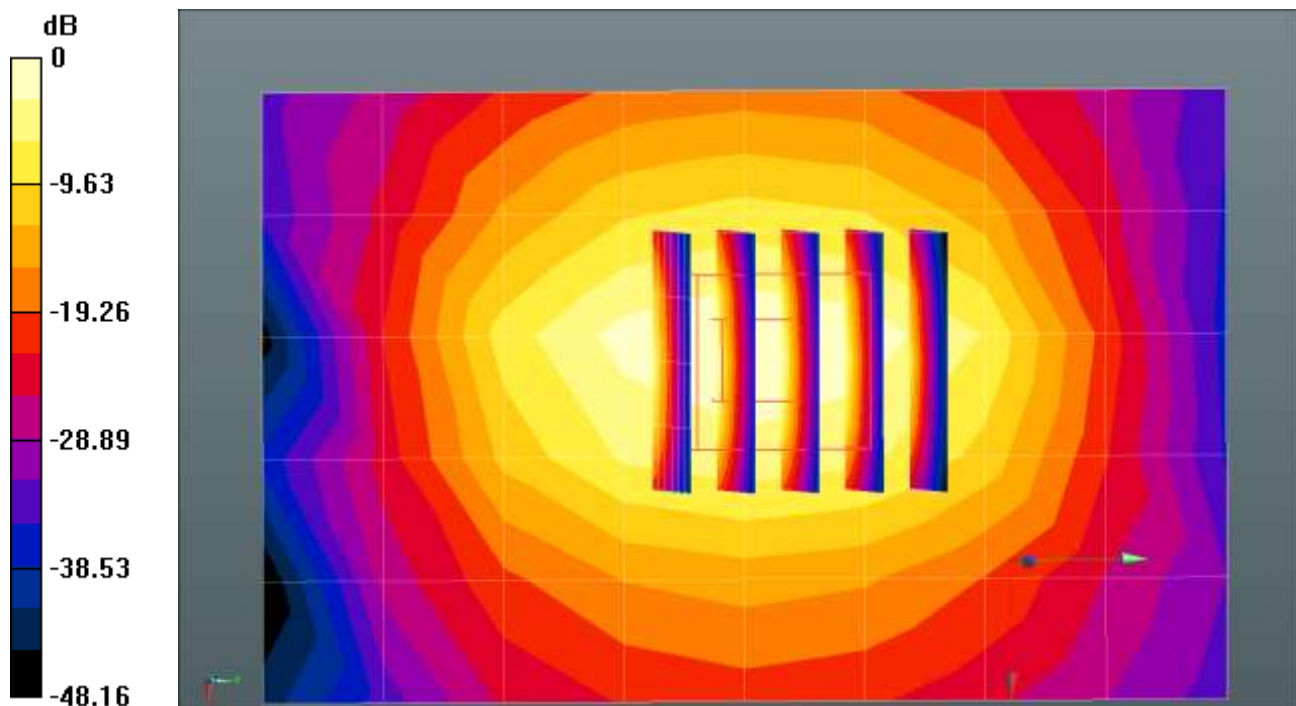
1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.46 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.06 W/kg

Maximum value of SAR (measured) = 3.13 W/kg



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

Verification Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.4 °C
Test Date: 12/08/2021

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.44$ S/m; $\epsilon_r = 40.888$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.00 W/kg

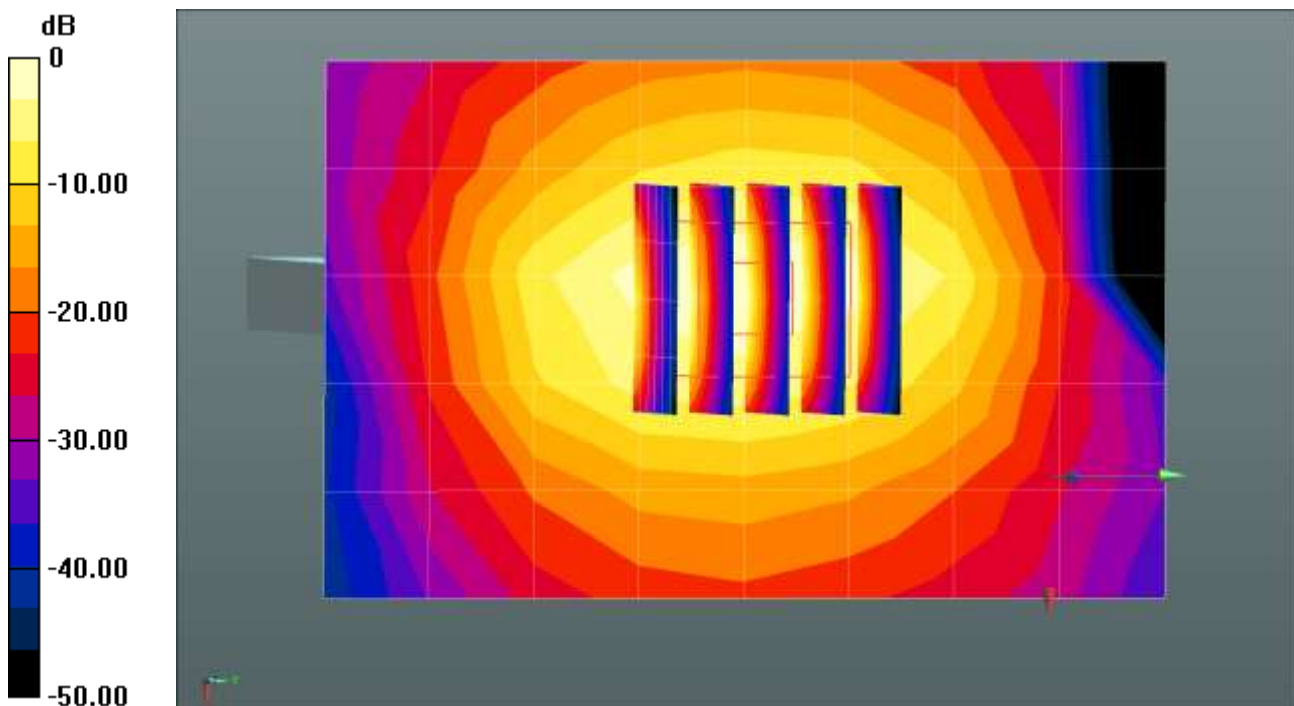
1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.97 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 3.78 W/kg

SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.06 W/kg

Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 3.00 W/kg = 4.78 dBW/kg

Verification Data (2300 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.6 °C
Test Date: 12/10/2021

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2300$ MHz; $\sigma = 1.71$ S/m; $\epsilon_r = 39.953$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7679; ConvF(8.27, 8.27, 8.27) @ 2300 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2300MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.08 W/kg

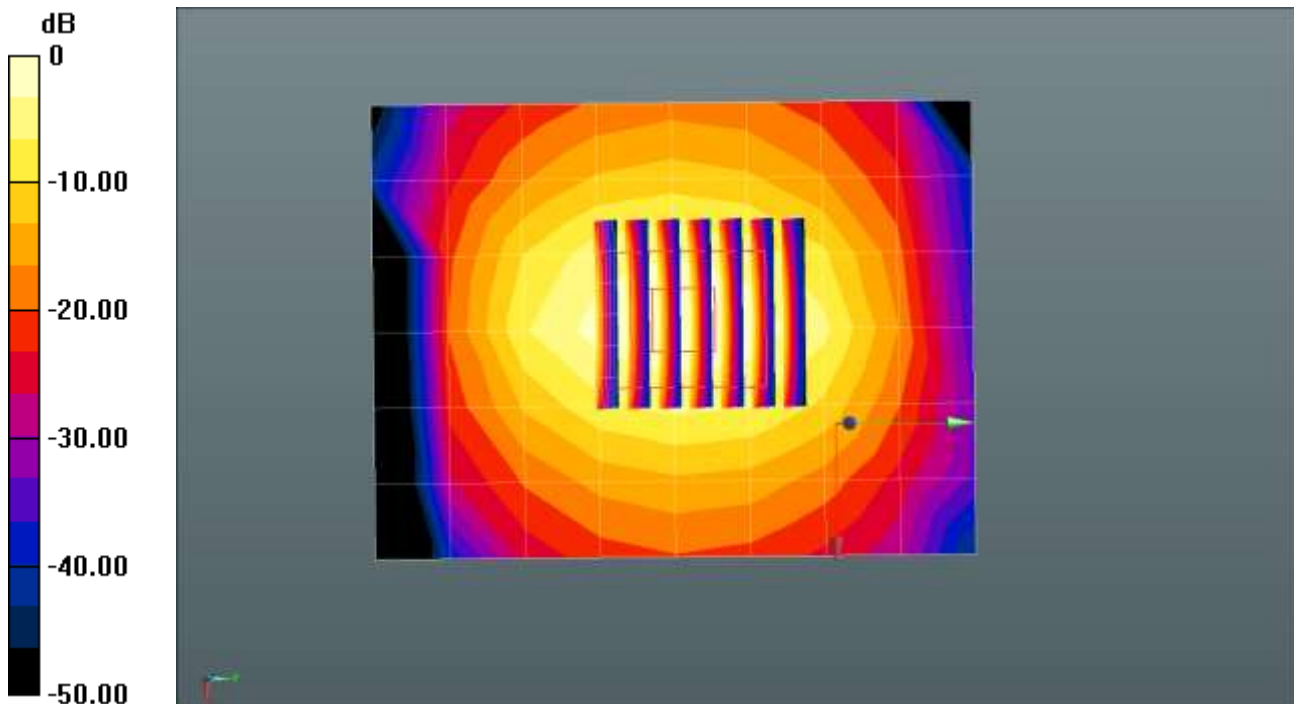
2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.08 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.24 W/kg

SAR(1 g) = 2.5 W/kg; SAR(10 g) = 1.18 W/kg

Maximum value of SAR (measured) = 4.19 W/kg



0 dB = 4.08 W/kg = 6.11 dBW/kg

Verification Data (2300 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.6 °C
Test Date: 01/19/2022

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2300$ MHz; $\sigma = 1.715$ S/m; $\epsilon_r = 39.946$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7679; ConvF(8.27, 8.27, 8.27) @ 2300 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2300MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.37 W/kg

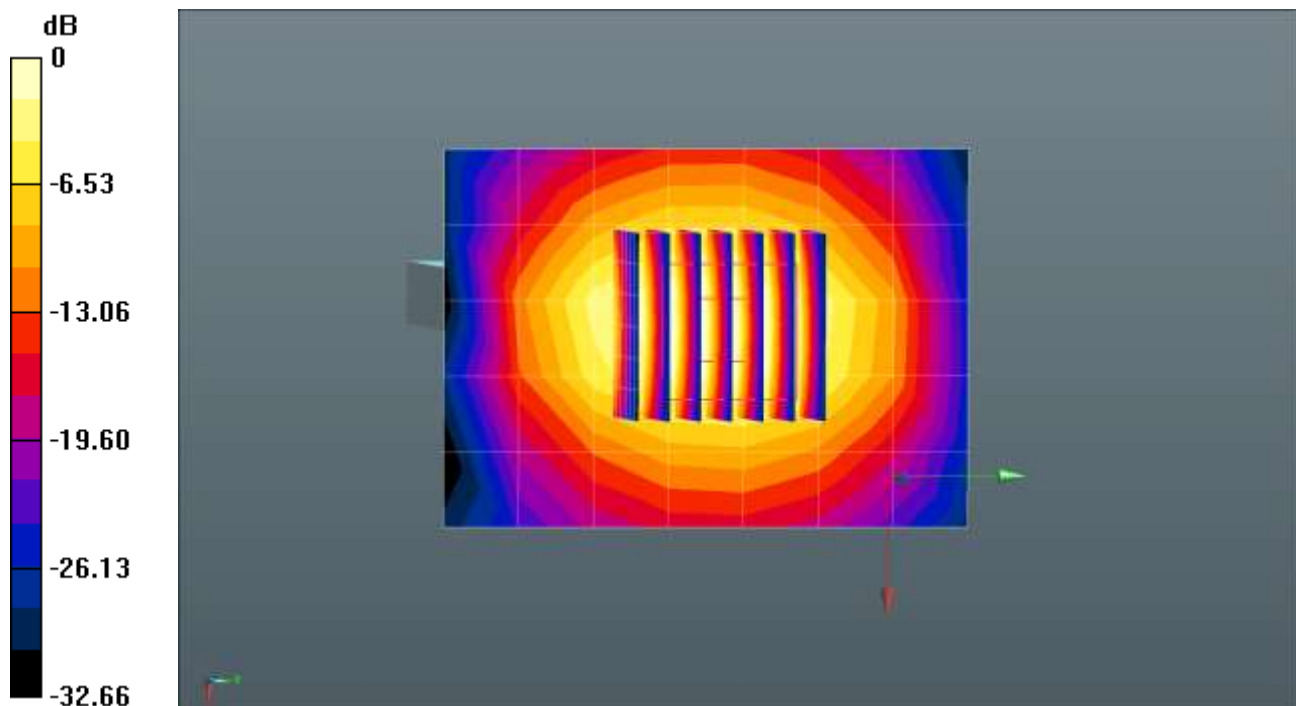
2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.64 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 5.29 W/kg

SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 4.24 W/kg



0 dB = 3.37 W/kg = 5.28 dBW/kg

Verification Data (2300 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.5 °C
Test Date: 01/20/2022

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2300$ MHz; $\sigma = 1.711$ S/m; $\epsilon_r = 39.962$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7679; ConvF(8.27, 8.27, 8.27) @ 2300 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2300MHz Head Verification/Area Scan (6x8x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.07 W/kg

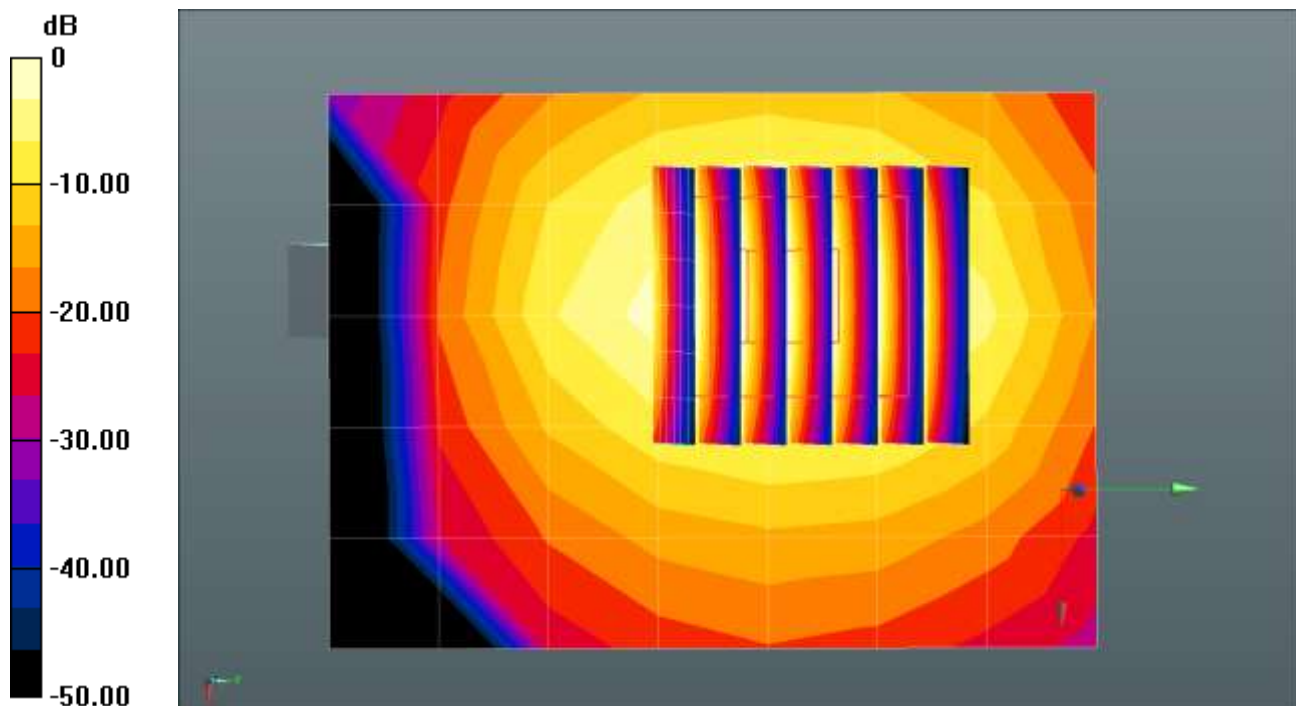
2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.68 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 5.27 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.18 W/kg

Maximum value of SAR (measured) = 4.21 W/kg



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

Verification Data (2450 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.8 °C
Test Date: 12/29/2021

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.765$ S/m; $\epsilon_r = 37.801$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2450 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2450MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.19 W/kg

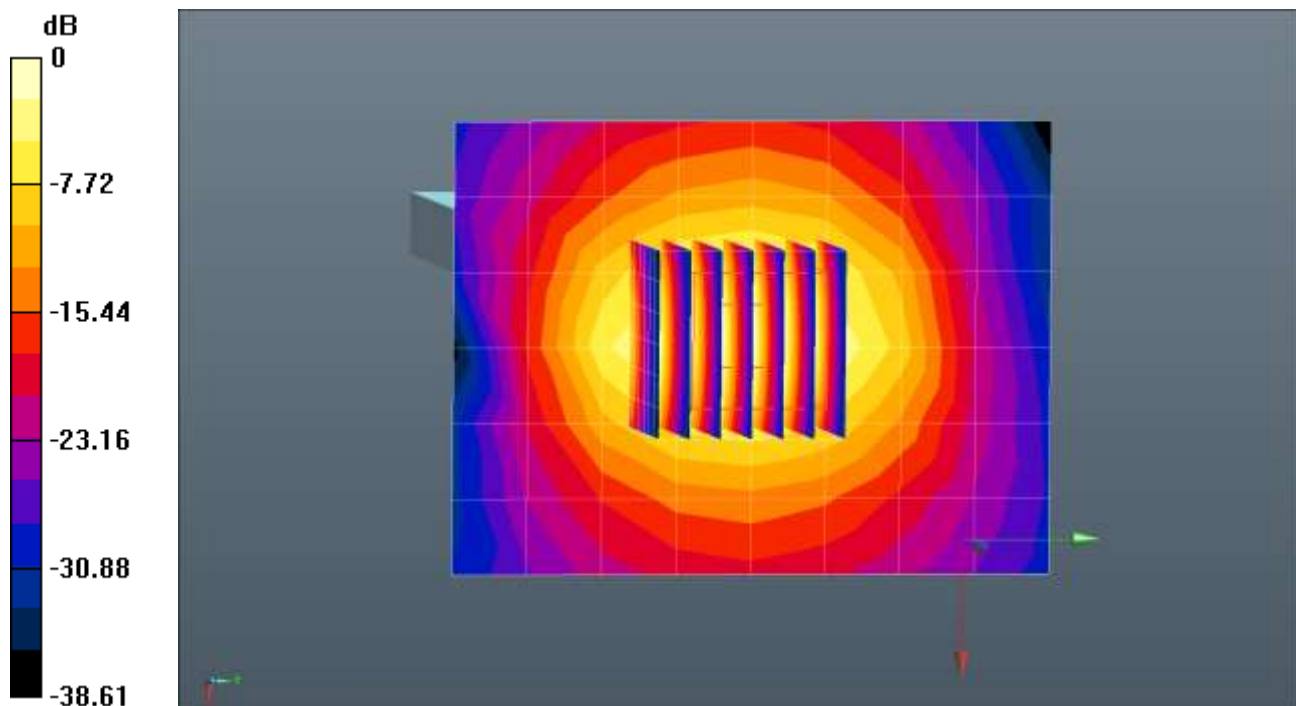
2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.12 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 5.53 W/kg

SAR(1 g) = 2.55 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 4.35 W/kg



0 dB = 4.19 W/kg = 6.22 dBW/kg

Verification Data (2450 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.9 °C
Test Date: 12/30/2021

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2450$ MHz; $\sigma = 1.764$ S/m; $\epsilon_r = 37.745$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.56, 7.56, 7.56) @ 2450 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2450MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.19 W/kg

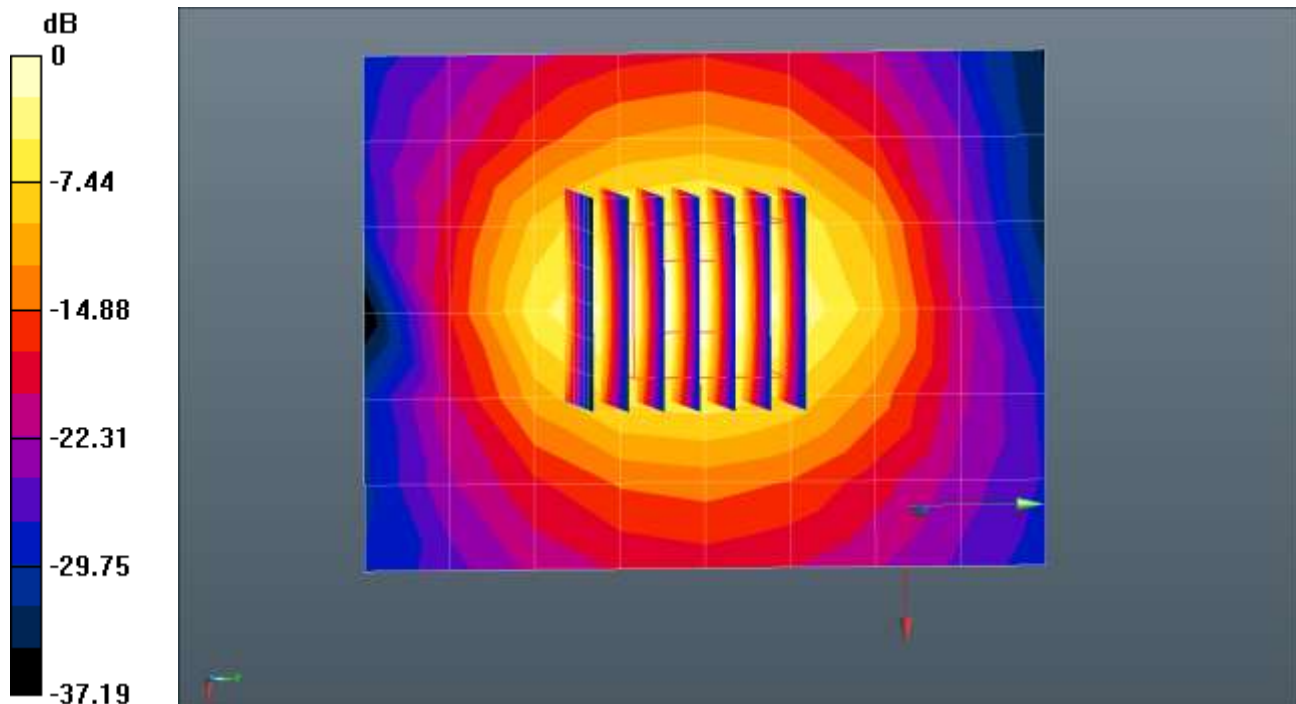
2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.93 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 5.52 W/kg

SAR(1 g) = 2.55 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 4.35 W/kg



0 dB = 4.19 W/kg = 6.22 dBW/kg

Verification Data (2600 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.0 °C
Test Date: 12/23/2021

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.955$ S/m; $\epsilon_r = 37.833$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.38, 7.38, 7.38) @ 2600 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- 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) = 4.72 W/kg

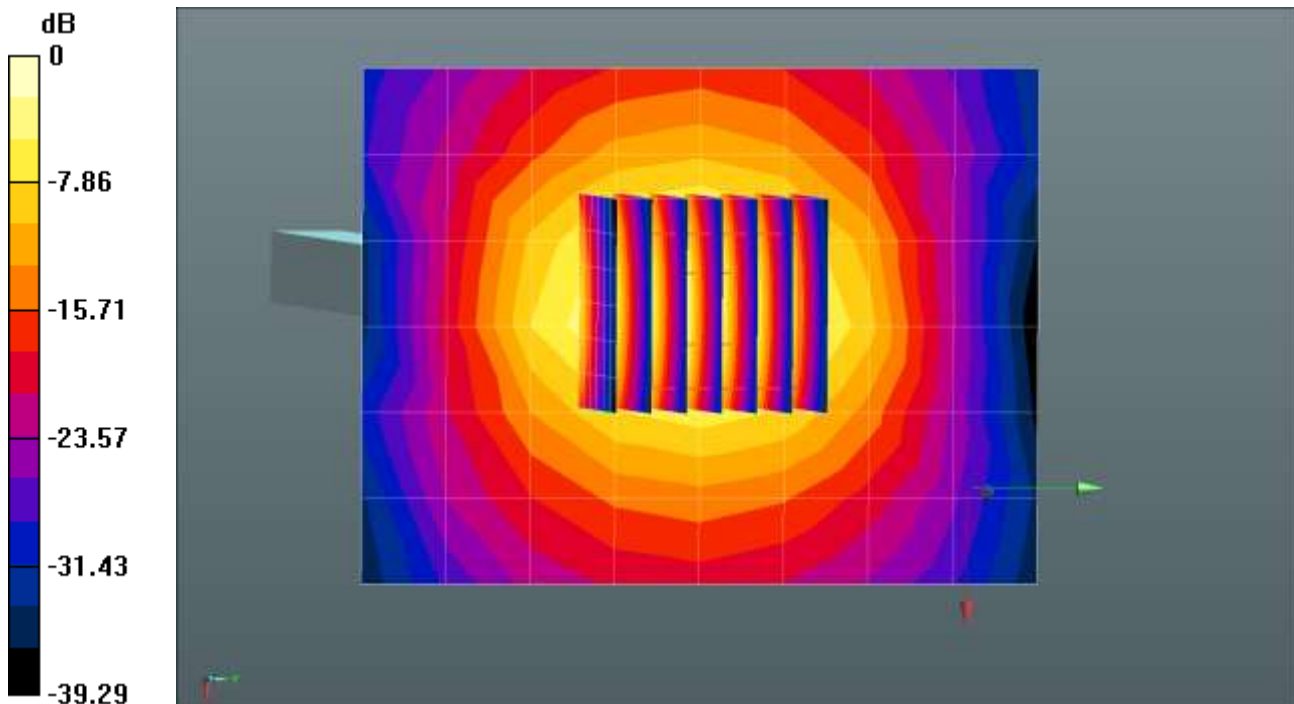
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.10 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.38 W/kg

SAR(1 g) = 2.84 W/kg; SAR(10 g) = 1.25 W/kg

Maximum value of SAR (measured) = 4.97 W/kg



0 dB = 4.72 W/kg = 6.74 dBW/kg

Verification Data (2600 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.7 °C
Test Date: 12/24/2021

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 37.901$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(7.38, 7.38, 7.38) @ 2600 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- 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) = 4.64 W/kg

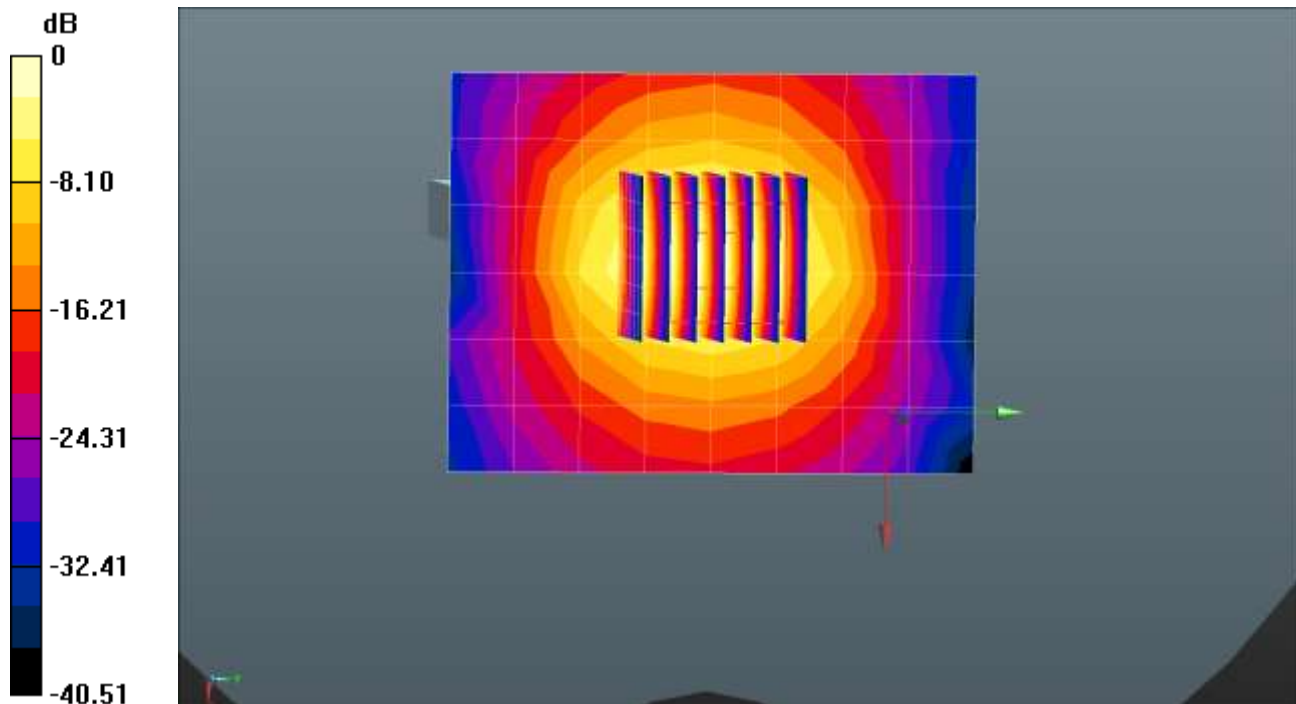
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.75 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 6.44 W/kg

SAR(1 g) = 2.85 W/kg; SAR(10 g) = 1.25 W/kg

Maximum value of SAR (measured) = 5.01 W/kg



0 dB = 4.64 W/kg = 6.67 dBW/kg

Verification Data (3500 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 19.2 °C
Test Date: 01/11/2022

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3500$ MHz; $\sigma = 2.965$ S/m; $\epsilon_r = 37.941$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(7.05, 7.05, 7.05) @ 3500 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09
- Measurement SW: DASY52, Version 52.10 (4)

3500MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 6.57 W/kg

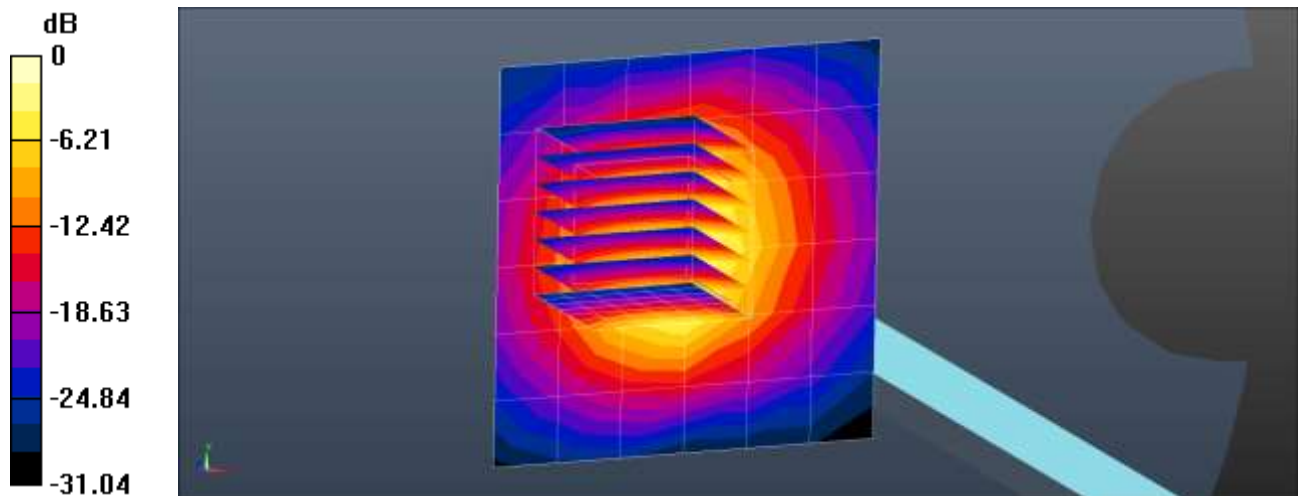
3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 50.78 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 9.69 W/kg

SAR(1 g) = 3.49 W/kg; SAR(10 g) = 1.31 W/kg

Maximum value of SAR (measured) = 7.02 W/kg



0 dB = 6.57 W/kg = 8.17 dBW/kg

Verification Data (3500 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 19.2 °C
Test Date: 01/11/2022

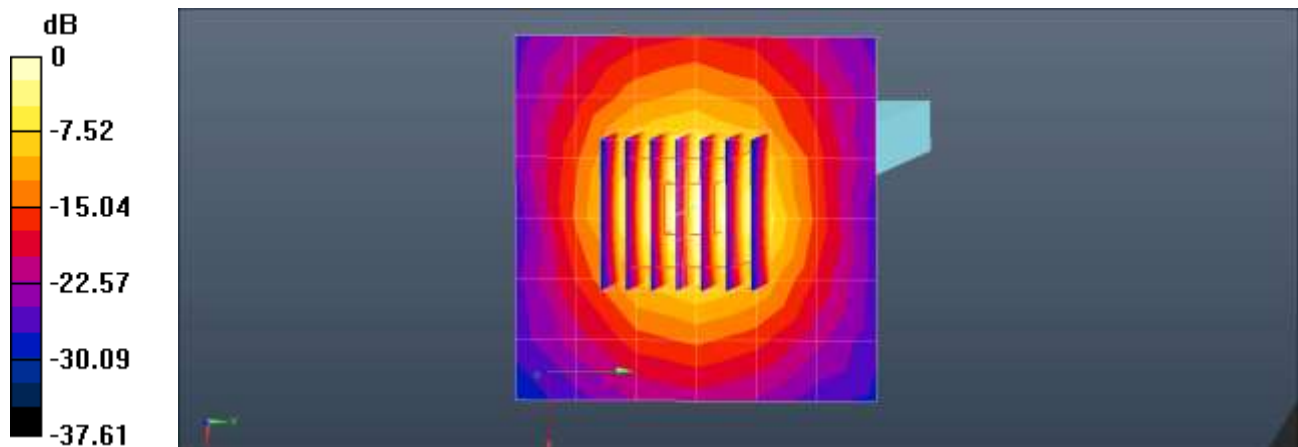
Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3700$ MHz; $\sigma = 3.144$ S/m; $\epsilon_r = 37.396$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(7, 7, 7) @ 3700 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- 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) = 6.71 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 = 0.03 dB
Peak SAR (extrapolated) = 10.0 W/kg
SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.23 W/kg
Maximum value of SAR (measured) = 7.02 W/kg



0 dB = 7.02 W/kg = 8.46 dBW/kg

Verification Data (5250 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 18.5 °C
Test Date: 01/03/2022

Communication System: UID 0, CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5250$ MHz; $\sigma = 4.817$ S/m; $\epsilon_r = 36.757$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(5.55, 5.55, 5.55) @ 5250 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09
- Measurement SW: DASY52, Version 52.10 (4)

5250MHz Head Verification/Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 9.15 W/kg

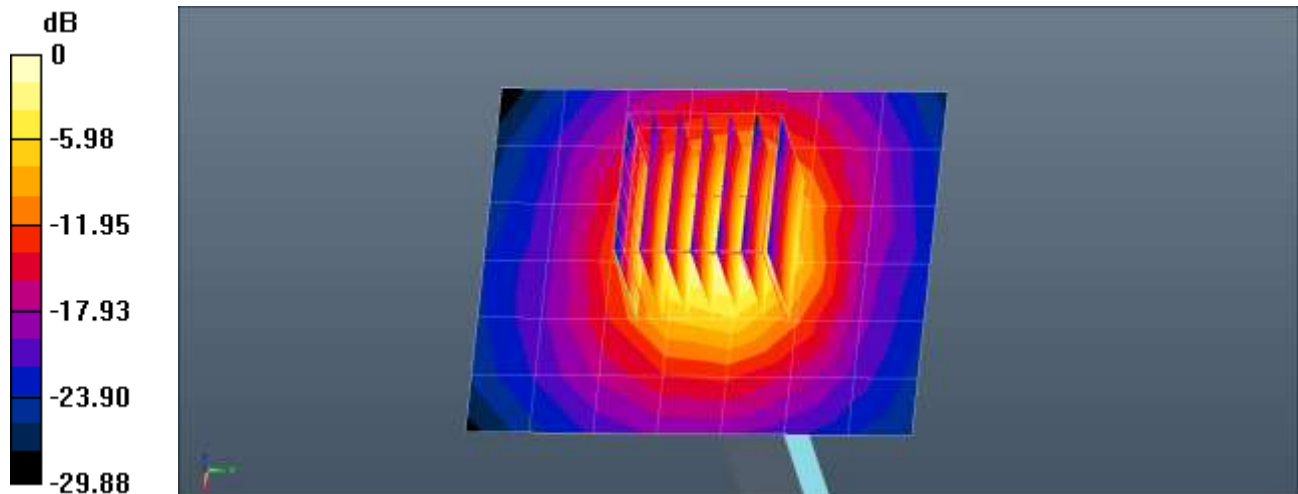
5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 50.83 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 4.16 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 10.5 W/kg



0 dB = 9.15 W/kg = 9.61 dBW/kg

Verification Data (5600 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 19.5 °C
Test Date: 01/04/2022

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5600$ MHz; $\sigma = 5.048$ S/m; $\epsilon_r = 36.385$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(4.95, 4.95, 4.95) @ 5600 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09
- Measurement SW: DASY52, Version 52.10 (4)

5600MHz Head Verification/Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 7.42 W/kg

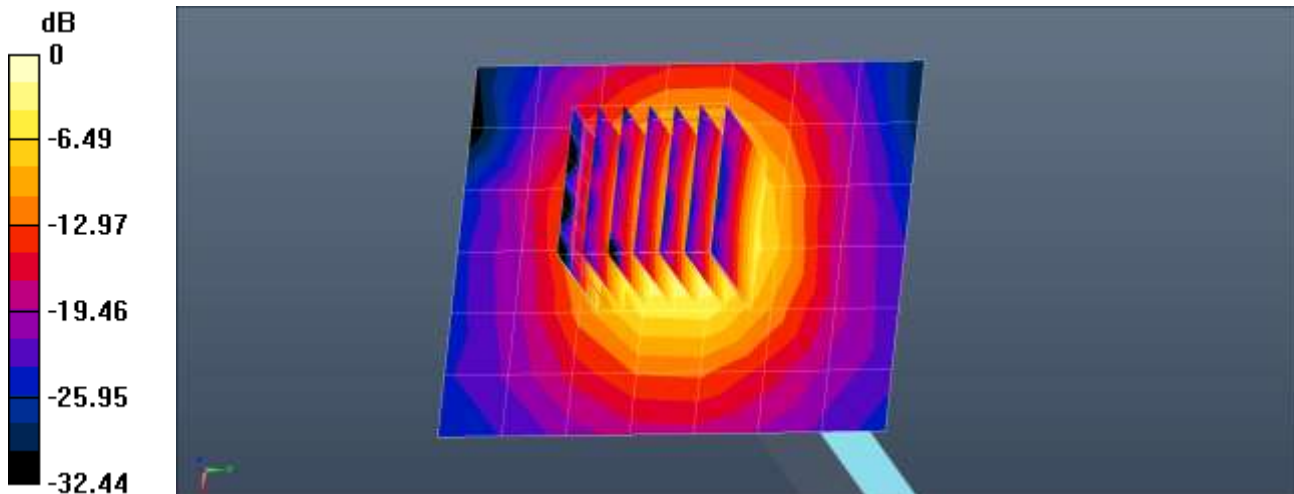
5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.22 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 3.96 W/kg; SAR(10 g) = 1.17 W/kg

Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 7.42 W/kg = 8.70 dBW/kg

Verification Data (5750 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.3 °C
Test Date: 01/05/2022

Communication System: UID 0, CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5750$ MHz; $\sigma = 5.218$ S/m; $\epsilon_r = 36.273$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7680; ConvF(5, 5, 5) @ 5750 MHz; Calibrated: 2021-09-10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09
- Measurement SW: DASY52, Version 52.10 (4)

5750MHz Head Verification/Area Scan (7x8x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 8.30 W/kg

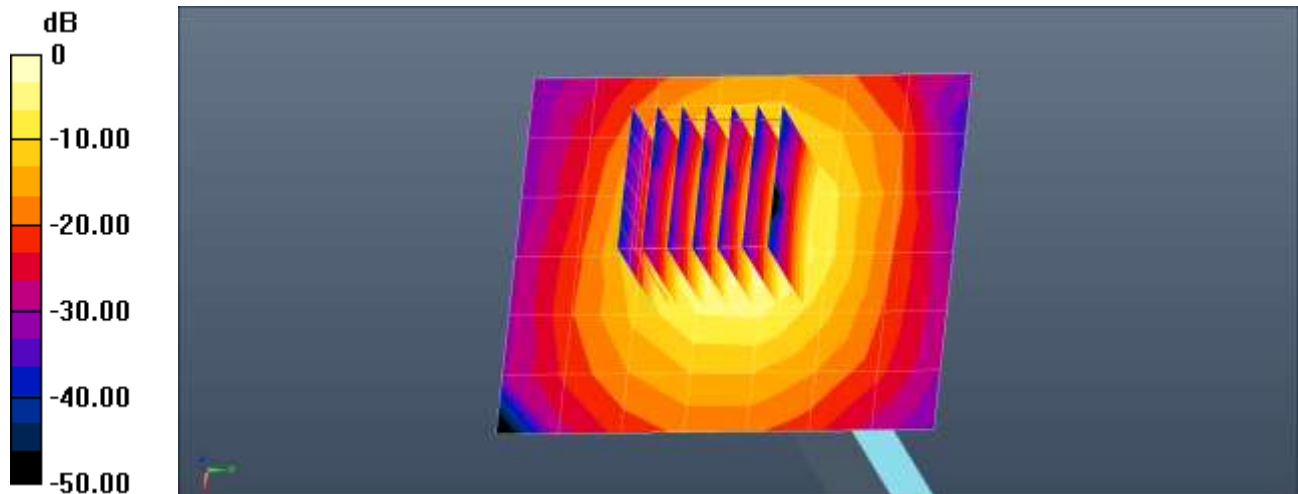
5750MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 49.50 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 4.31 W/kg; SAR(10 g) = 1.24 W/kg

Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 8.30 W/kg = 9.19 dBW/kg

* 5G NR Band

Verification Data (750 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.2 °C
Test Date: 01/04/2022

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 42.596$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 750 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.506 W/kg

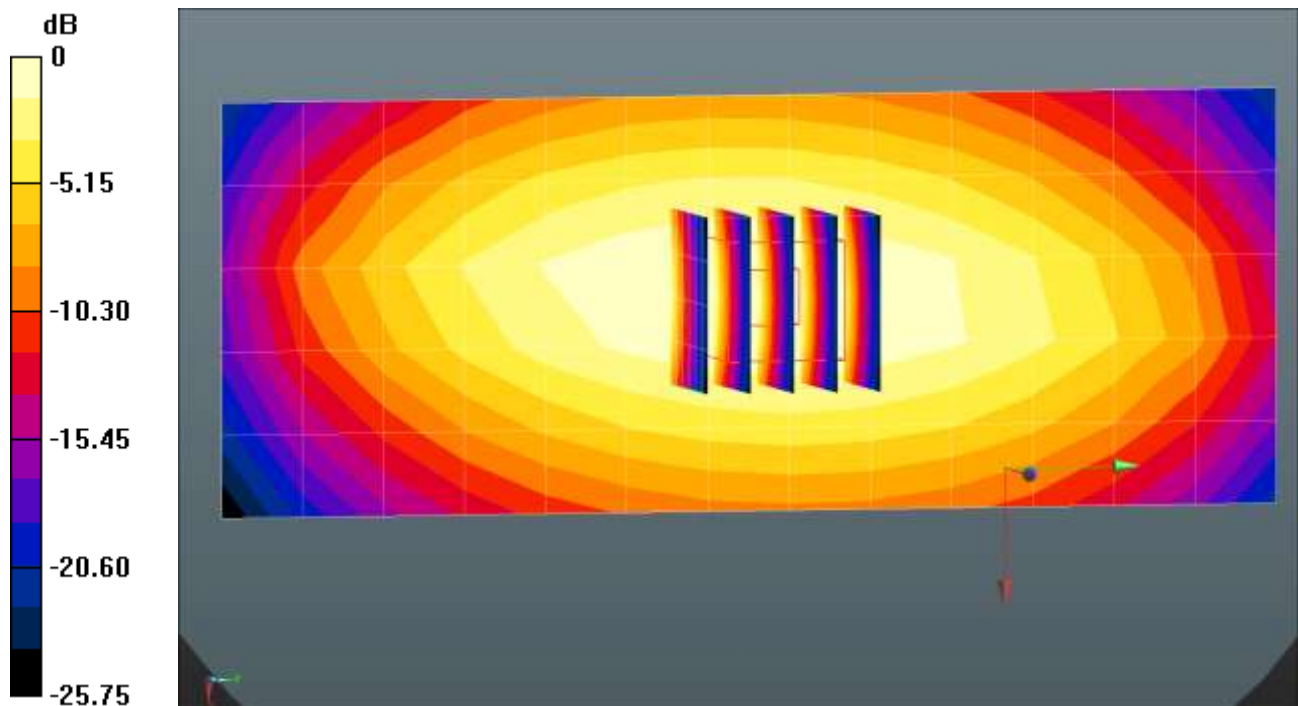
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.23 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.638 W/kg

SAR(1 g) = 0.435 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.506 W/kg = -2.96 dBW/kg

Verification Data (750 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 23.0 °C
Test Date: 01/05/2022

Communication System: UID 0, CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 42.399$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.81, 9.81, 9.81) @ 750 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right 20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

750MHz Head Verification/Area Scan (6x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.524 W/kg

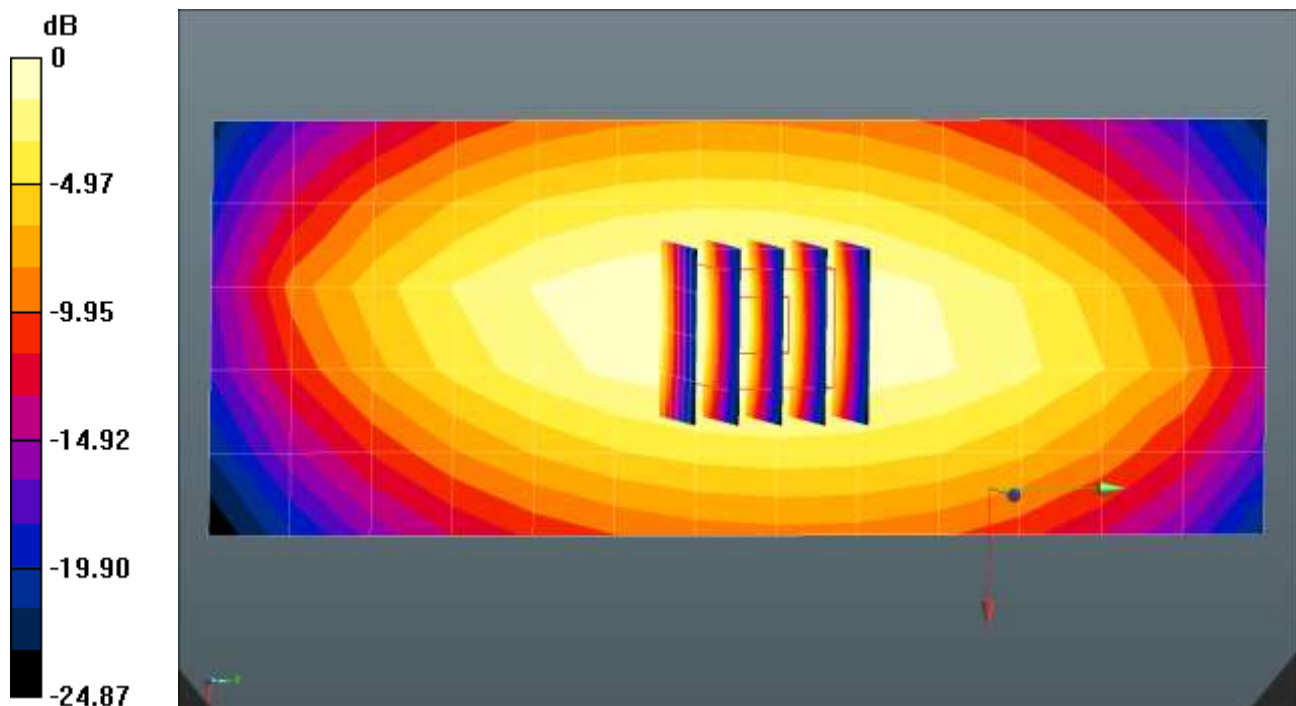
750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.42 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.645 W/kg

SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.299 W/kg

Maximum value of SAR (measured) = 0.573 W/kg



0 dB = 0.524 W/kg = -2.80 dBW/kg

Verification Data (835 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.2 °C
Test Date: 01/03/2022

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 835$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 40.711$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(9.66, 9.66, 9.66) @ 835 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Right_20170913; Type: QD000P40CC; Serial: 1070
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

835MHz Head Verification/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.596 W/kg

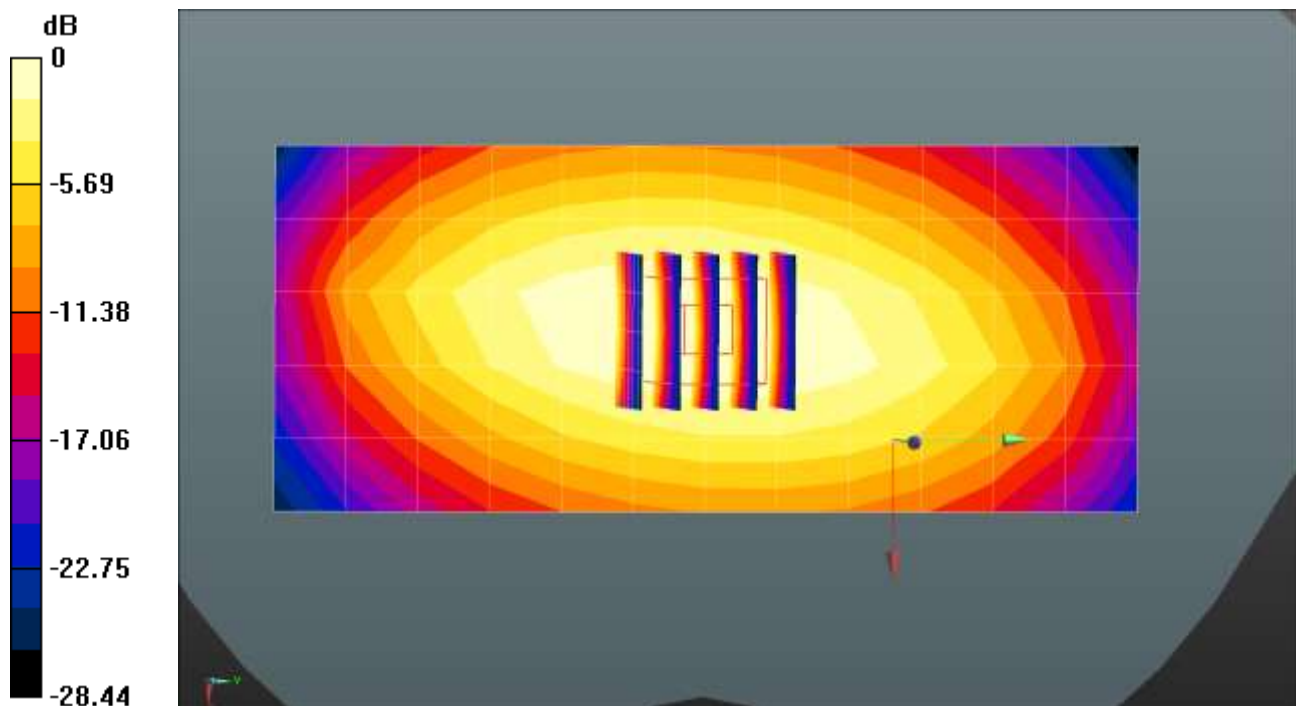
835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.25 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.776 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.332 W/kg

Maximum value of SAR (measured) = 0.682 W/kg



0 dB = 0.596 W/kg = -2.25 dBW/kg

Verification Data (1800 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.6 °C
Test Date: 01/12/2022

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.391$ S/m; $\epsilon_r = 41.341$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1800 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1800MHz Head Verification/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.77 W/kg

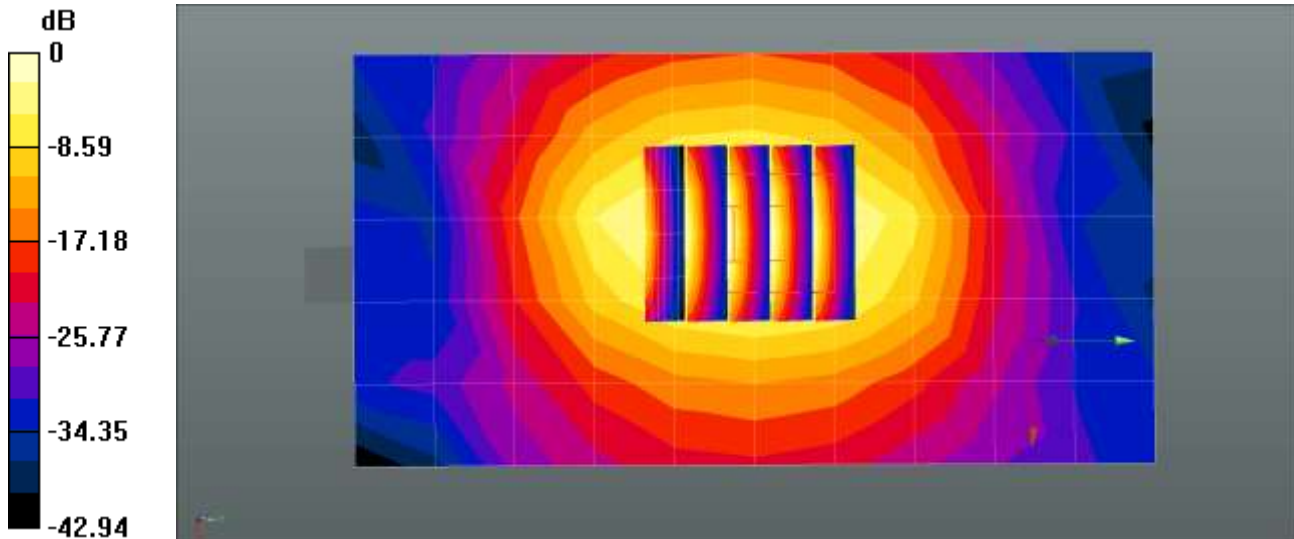
1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.76 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.02 W/kg

Maximum value of SAR (measured) = 2.95 W/kg



0 dB = 2.77 W/kg = 4.43 dBW/kg

Verification Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.7 °C
Test Date: 01/20/2022

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.426$ S/m; $\epsilon_r = 40.748$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.97 W/kg

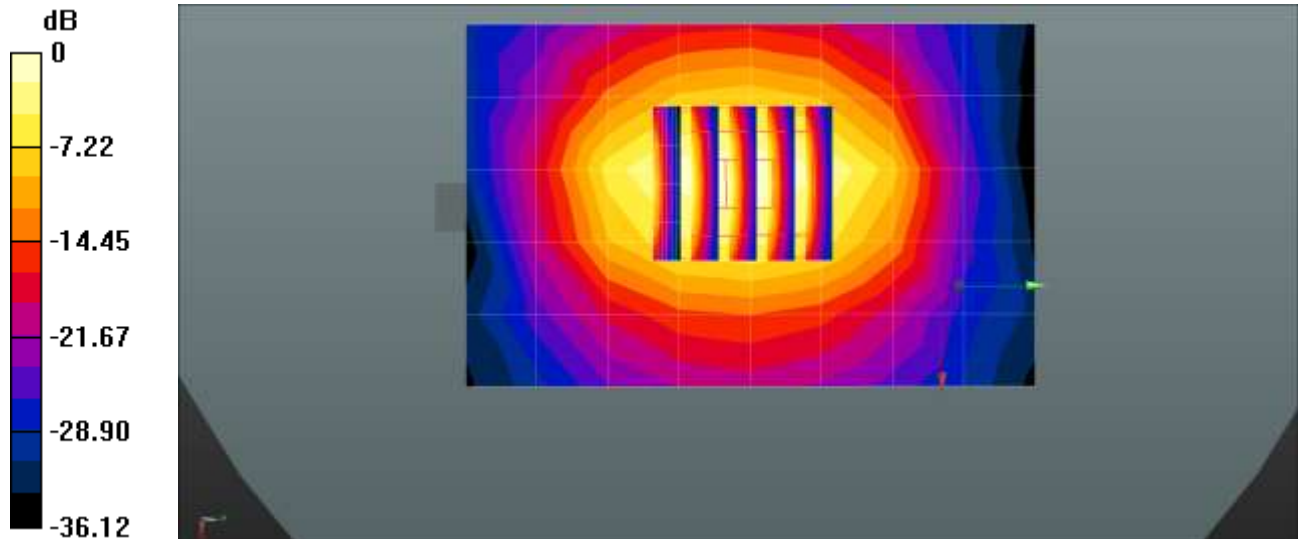
1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.20 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 3.85 W/kg

SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.04 W/kg

Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 2.97 W/kg = 4.73 dBW/kg

Verification Data (2300 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.7 °C
Test Date: 01/07/2022

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2300$ MHz; $\sigma = 1.71$ S/m; $\epsilon_r = 39.953$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2300 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Front_2011217; Type: QD000P40CB; Serial: 1514
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2300MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.09 W/kg

2300MHz Head Verification/Area Scan (7x9x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 3.09 W/kg

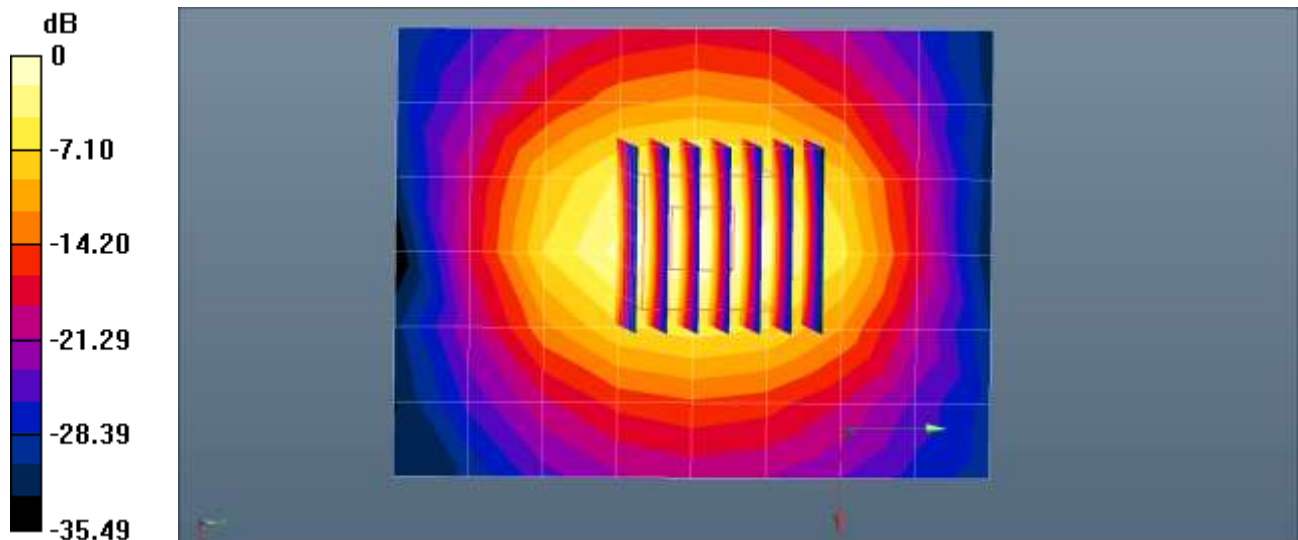
2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 43.87 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 5.11 W/kg

SAR(1 g) = 2.48 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 3.24 W/kg



0 dB = 3.09 W/kg = 4.91 dBW/kg

Verification Data (2300 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.9 °C
Test Date: 01/21/2022

DUT: Dipole 2300 MHz; Type: D2300V2; Serial: D2300V2

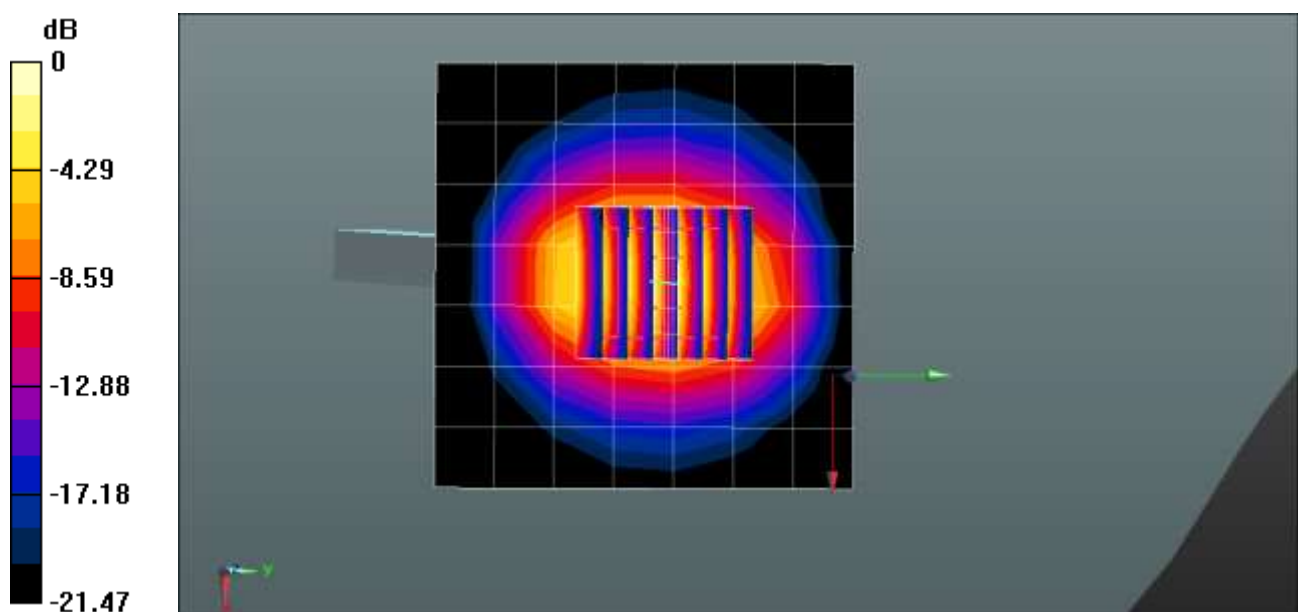
Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2300$ MHz; $\sigma = 1.708$ S/m; $\epsilon_r = 39.946$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(4.94, 4.94, 4.94) @ 2300 MHz; Calibrated: 2021-07-28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1629; Calibrated: 2021-07-26
- Phantom: SAM with CRP v5.0_2020_06_09; Type: QD000P40CD; Serial: TP1574
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

2300MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 2.72 W/kg

2300MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 41.35 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.03 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.18 W/kg
Maximum value of SAR (measured) = 3.28 W/kg



0 dB = 3.28 W/kg = 5.16 dBW/kg

Verification Data (2600 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 23.3 °C
Test Date: 01/18/2022

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.922$ S/m; $\epsilon_r = 38.094$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2600 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- 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 (7483)

2600MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.18 W/kg

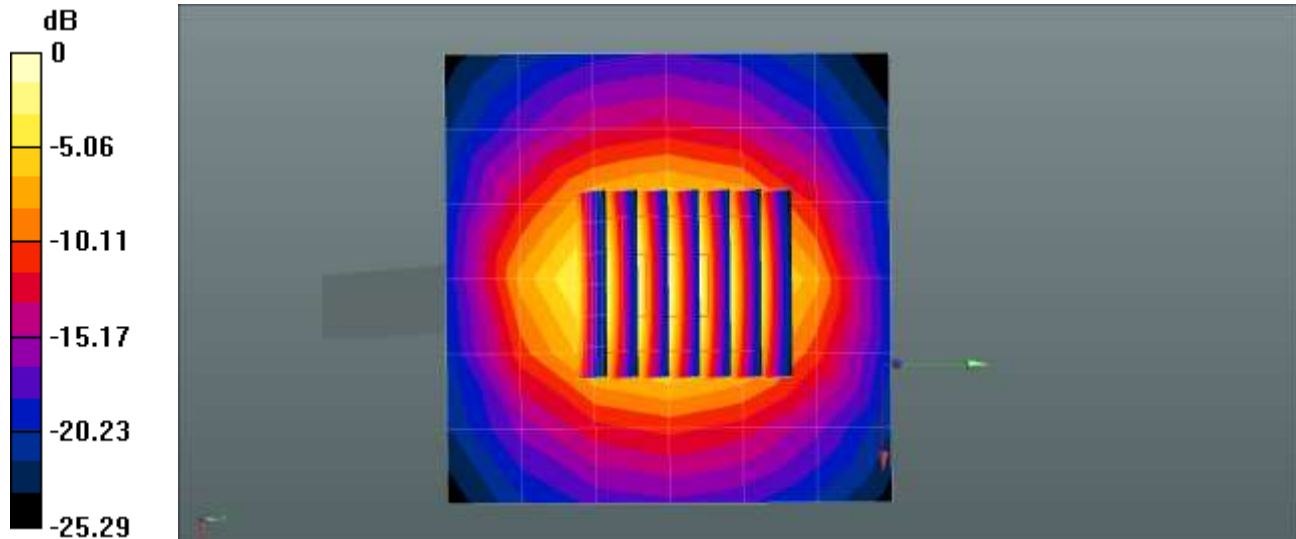
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.07 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.65 W/kg

SAR(1 g) = 2.9 W/kg; SAR(10 g) = 1.28 W/kg

Maximum value of SAR (measured) = 5.17 W/kg



0 dB = 5.18 W/kg = 7.15 dBW/kg

Verification Data (2600 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.0 °C
Test Date: 01/17/2022

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.921$ S/m; $\epsilon_r = 38.064$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2600 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- 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 (7483)

2600MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.25 W/kg

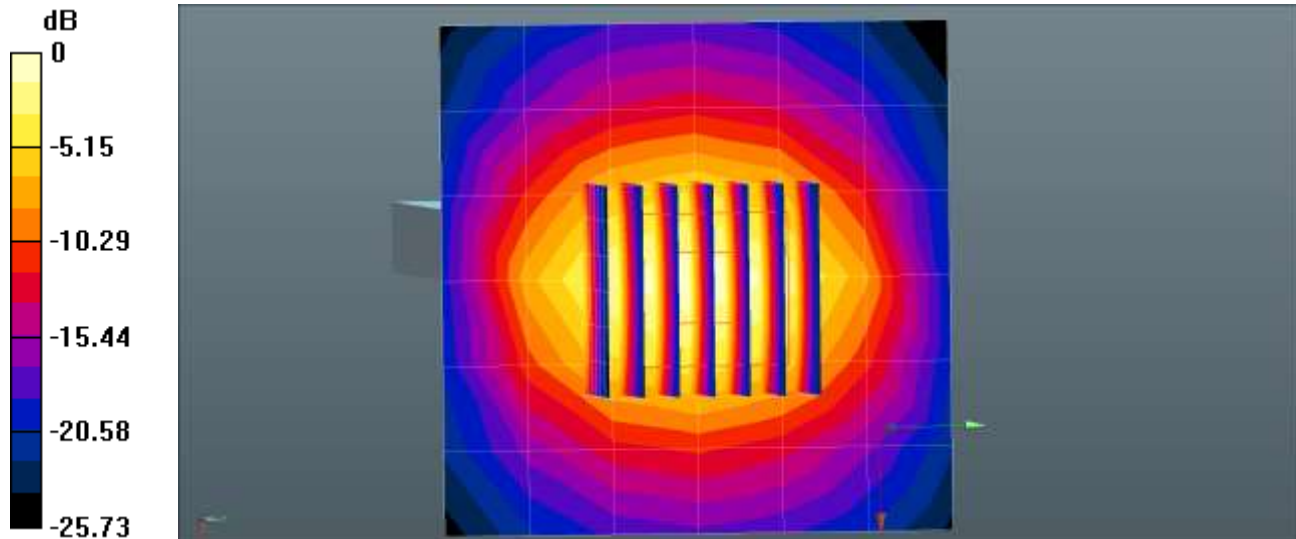
2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 54.51 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.71 W/kg

SAR(1 g) = 2.9 W/kg; SAR(10 g) = 1.28 W/kg

Maximum value of SAR (measured) = 5.18 W/kg



0 dB = 5.25 W/kg = 7.20 dBW/kg

Verification Data (3500 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.0 °C
Test Date: 01/13/2022

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3500$ MHz; $\sigma = 2.927$ S/m; $\epsilon_r = 38.544$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.3, 7.3, 7.3) @ 3500 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588 20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

3500MHz Head Verification/Area Scan (6x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.89 W/kg

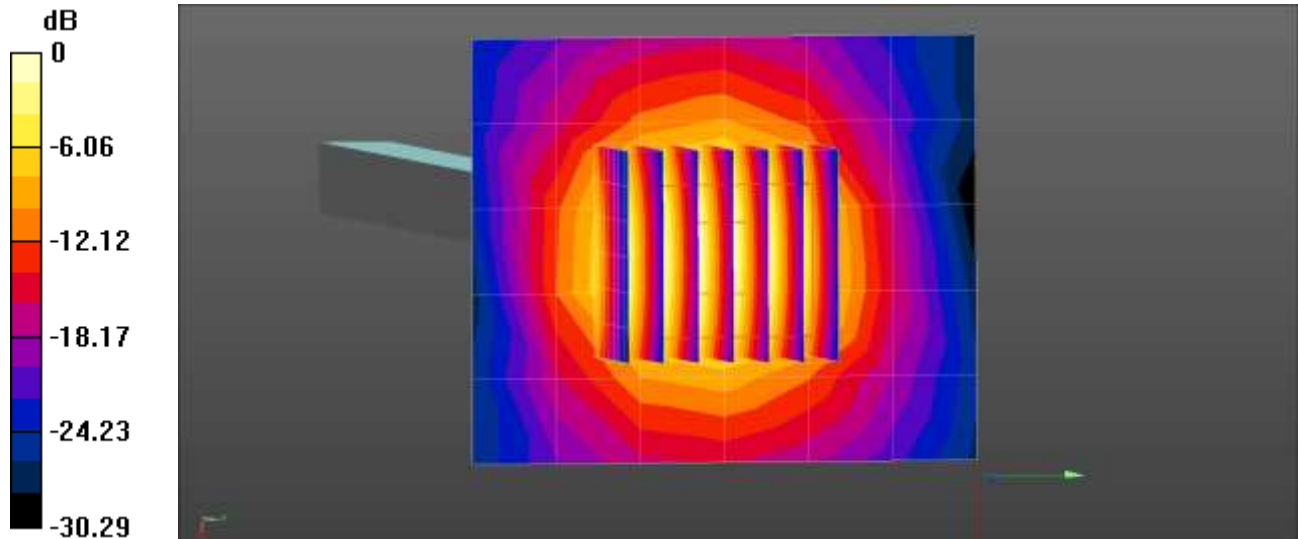
3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 52.62 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 3.52 W/kg; SAR(10 g) = 1.26 W/kg

Maximum value of SAR (measured) = 7.25 W/kg



0 dB = 4.89 W/kg = 6.90 dBW/kg

Verification Data (3700 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.7 °C
Test Date: 01/11/2022

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3700$ MHz; $\sigma = 3.217$ S/m; $\epsilon_r = 38.222$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.25, 7.25, 7.25) @ 3700 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588 20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

3700MHz Head Verification/Area Scan (6x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.18 W/kg

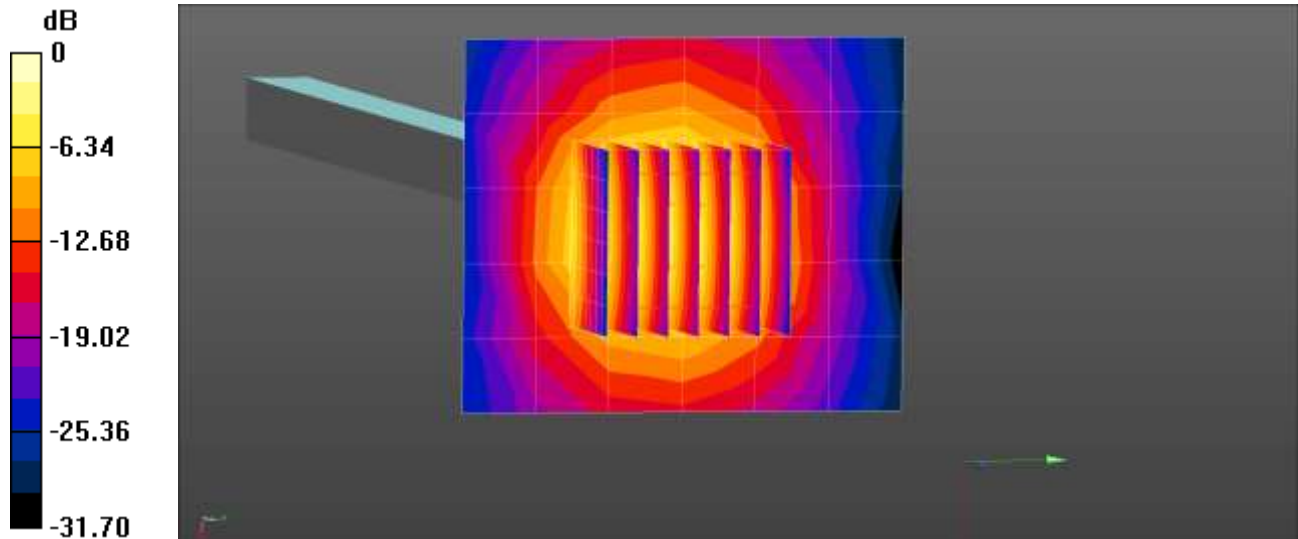
3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 48.96 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 3.42 W/kg; SAR(10 g) = 1.2 W/kg

Maximum value of SAR (measured) = 7.19 W/kg



0 dB = 5.18 W/kg = 7.14 dBW/kg

Verification Data (3900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.7 °C
Test Date: 01/11/2022

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3900$ MHz; $\sigma = 3.385$ S/m; $\epsilon_r = 38.149$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(6.85, 6.85, 6.85) @ 3900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588 20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

3900MHz Head Verification/Area Scan (6x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.35 W/kg

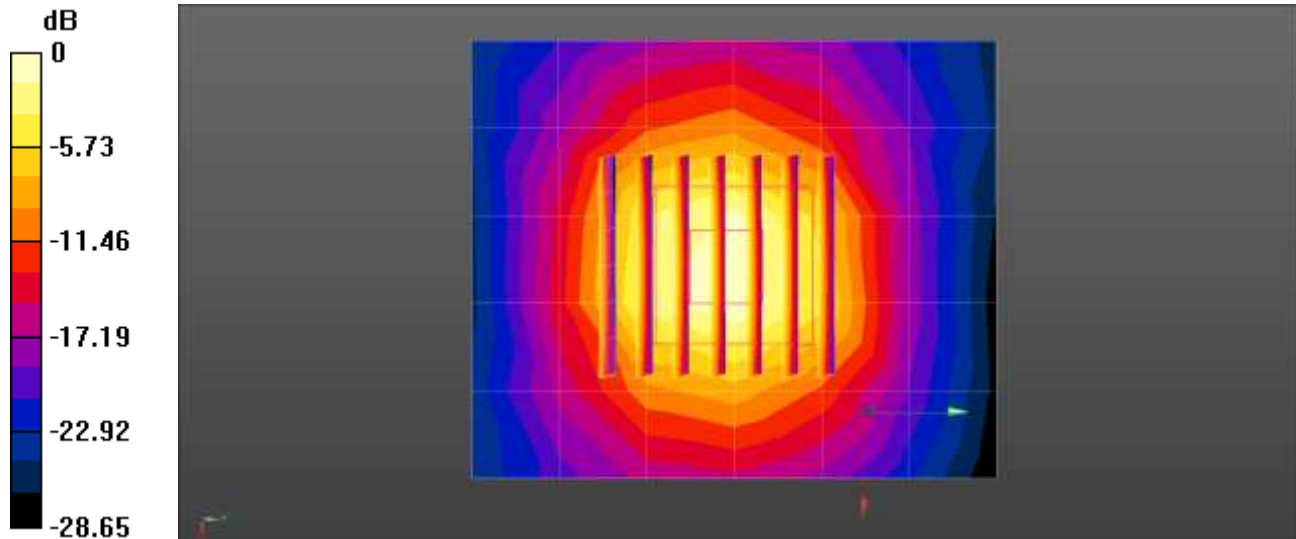
3900MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 49.86 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 3.41 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 7.13 W/kg



0 dB = 5.35 W/kg = 7.28 dBW/kg

* Extremity SAR

Verification Data (1800 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.2 °C
Test Date: 12/28/2021

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.383$ S/m; $\epsilon_r = 41.153$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1800 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1800MHz Head Verification/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.67 W/kg

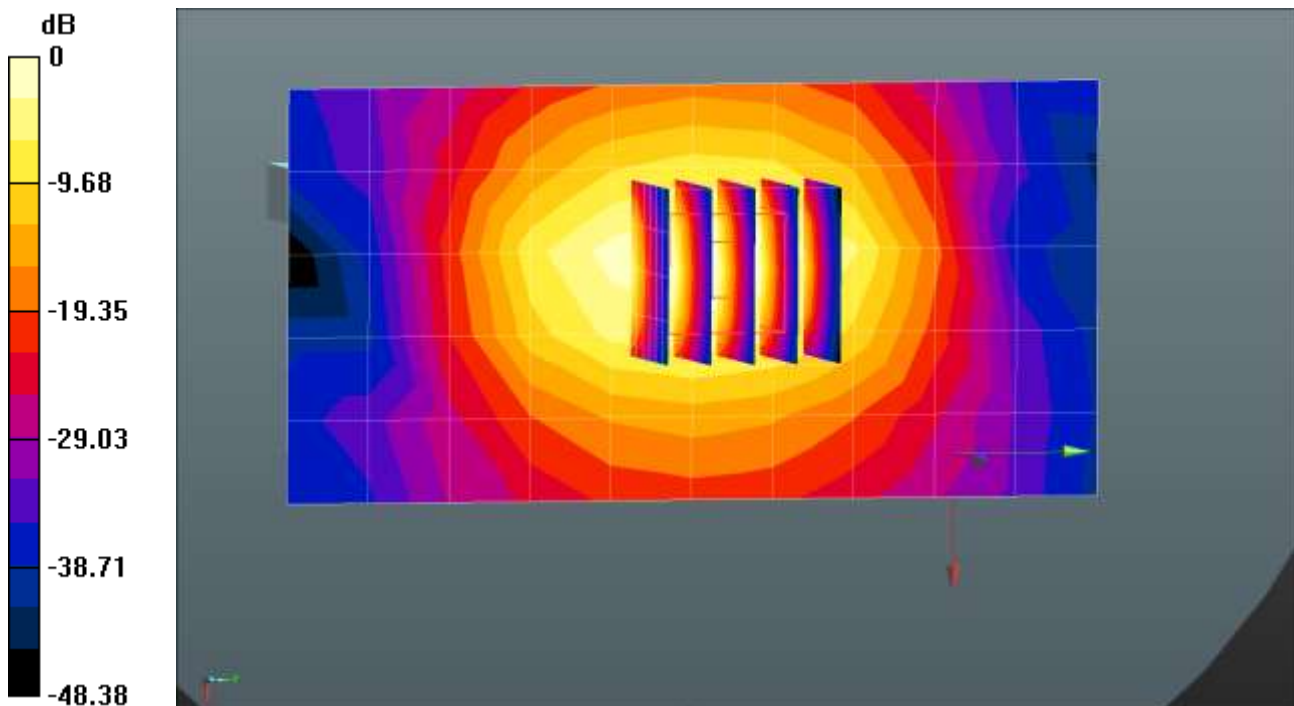
1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.83 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 1.88 W/kg; SAR(10 g) = 0.995 W/kg

Maximum value of SAR (measured) = 2.82 W/kg



0 dB = 2.67 W/kg = 4.26 dBW/kg

Verification Data (1800 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.0 °C
Test Date: 01/13/2022

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2

Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1800$ MHz; $\sigma = 1.393$ S/m; $\epsilon_r = 41.345$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.12, 8.12, 8.12) @ 1800 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913
- Measurement SW: DASY52, Version 52.10 (4);

Dipole/1800MHz Head Verification/Area Scan (6x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.27 W/kg

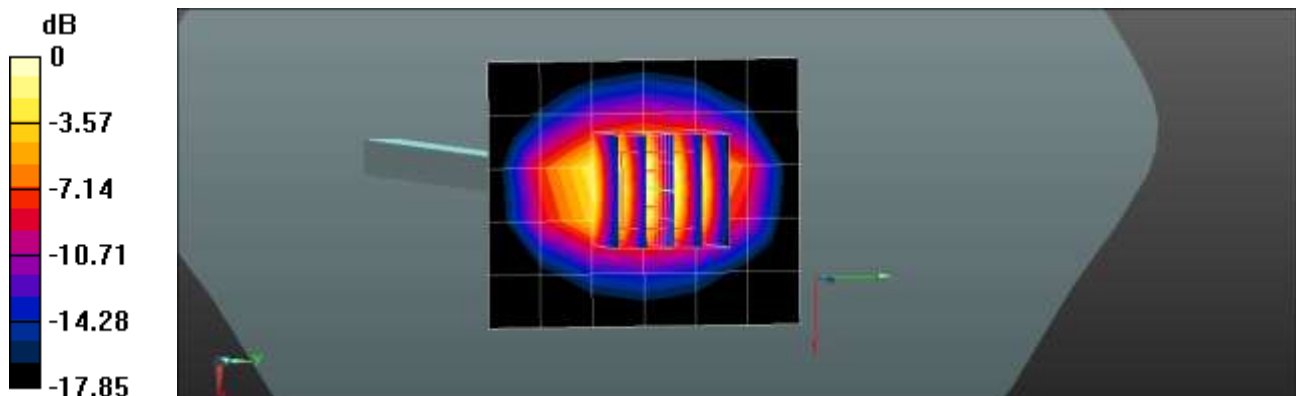
Dipole/1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.16 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.42 W/kg

SAR(1 g) = 1.81 W/kg; SAR(10 g) = 0.945 W/kg

Maximum value of SAR (measured) = 2.86 W/kg



0 dB = 2.86 W/kg = 4.56 dBW/kg

Verification Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.6 °C
Test Date: 12/20/2021

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.462$ S/m; $\epsilon_r = 40.945$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.53 W/kg

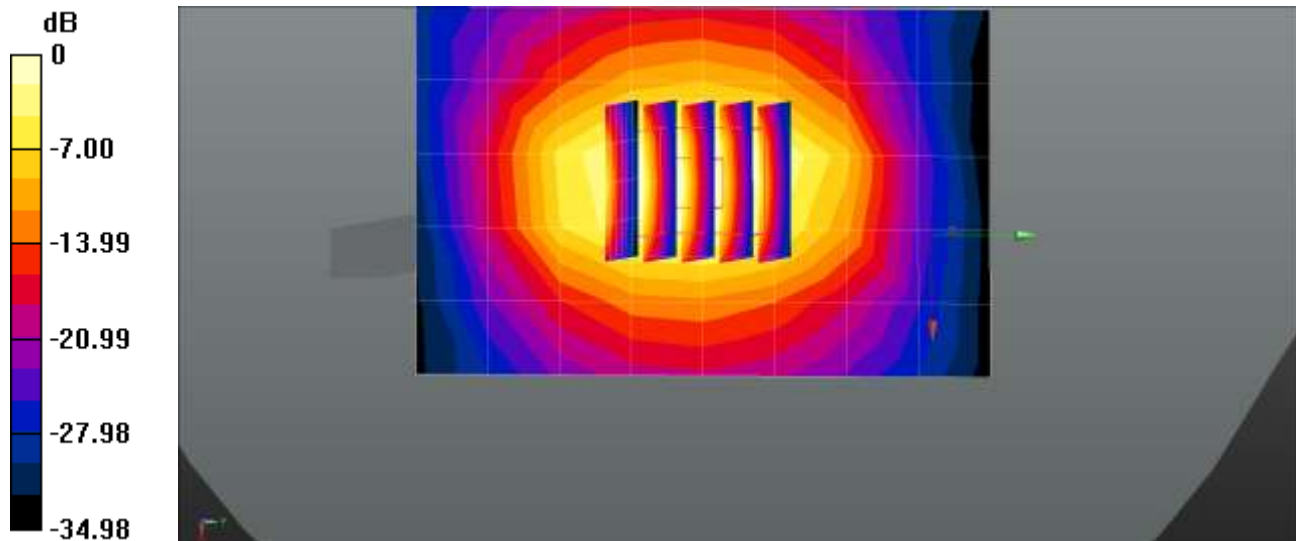
1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.10 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.07 W/kg

Maximum value of SAR (measured) = 3.26 W/kg



0 dB = 2.53 W/kg = 4.02 dBW/kg

Verification Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.5 °C
Test Date: 12/09/2021

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.413$ S/m; $\epsilon_r = 38.846$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913; Type: QD000P40CD; Serial: 1803
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.77 W/kg

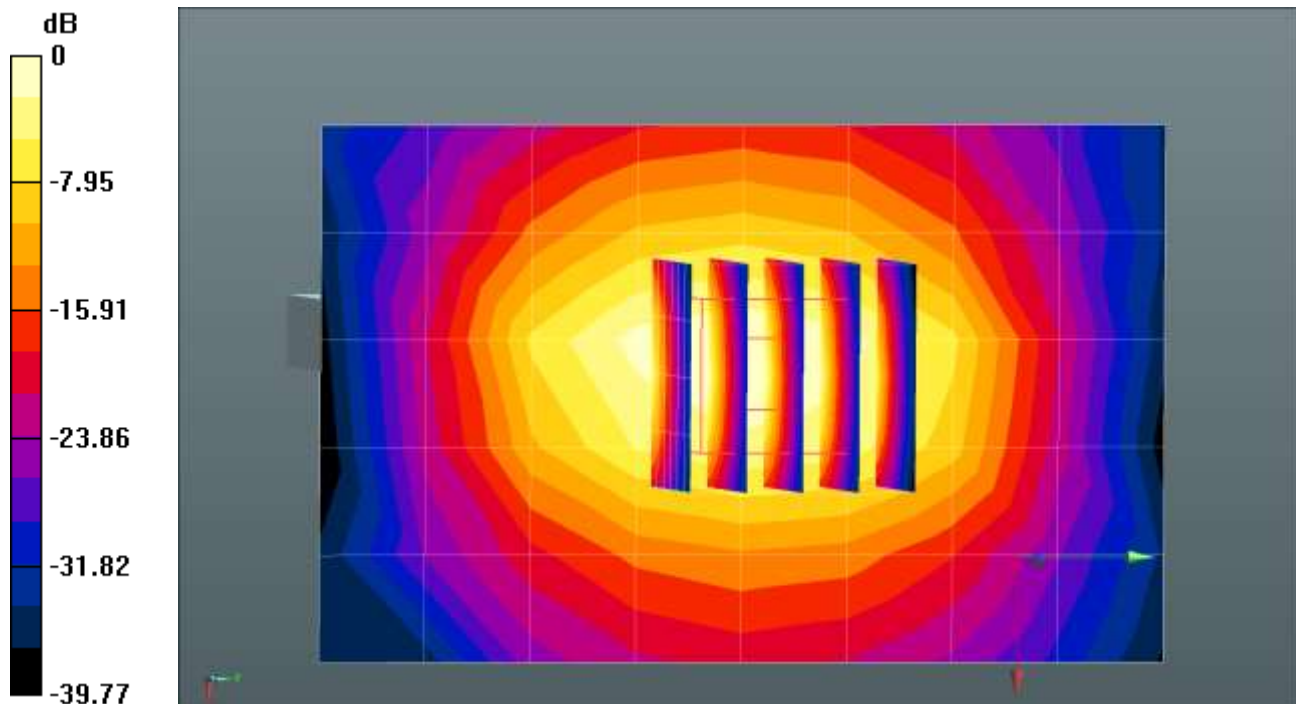
1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.98 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.05 W/kg

Maximum value of SAR (measured) = 3.18 W/kg



0 dB = 2.77 W/kg = 4.42 dBW/kg

Verification Data (1900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 21.9 °C
Test Date: 01/21/2022

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 40.728$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN3972; ConvF(8.08, 8.08, 8.08) @ 1900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn869; Calibrated: 2021-03-29
- Phantom: SAM_Left_20170913
- Measurement SW: DASY52, Version 52.10 (4);

Dipole/1900MHz Head Verification/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.80 W/kg

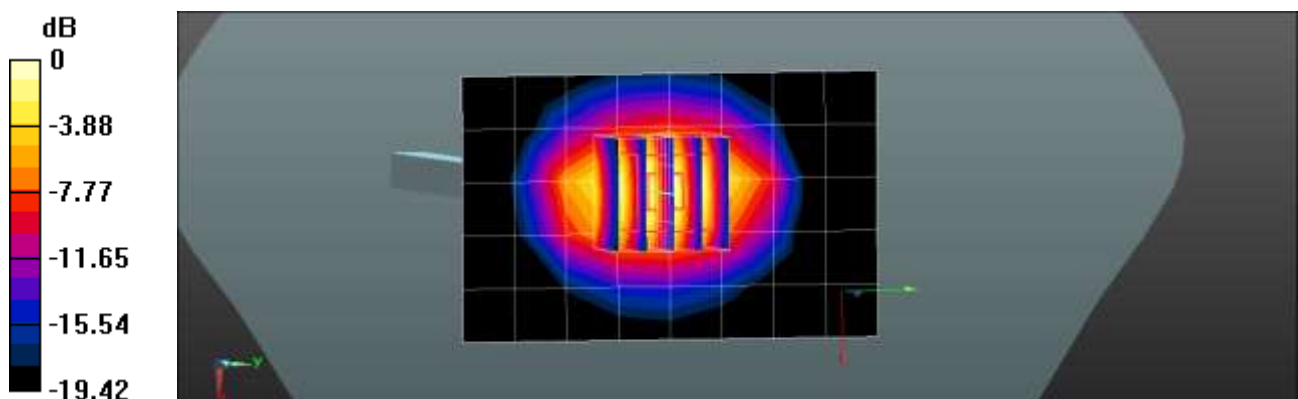
Dipole/1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.38 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 1.93 W/kg; SAR(10 g) = 0.985 W/kg

Maximum value of SAR (measured) = 3.08 W/kg



0 dB = 3.08 W/kg = 4.89 dBW/kg

Verification Data (2600 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 23.4 °C
Test Date: 01/19/2022

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2;

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2600$ MHz; $\sigma = 1.969$ S/m; $\epsilon_r = 38.435$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.6, 7.6, 7.6) @ 2600 MHz; Calibrated: 2021-03-24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2021-06-02
- Phantom: SAM with CRP v5.0(Front)
- Measurement SW: DASY52, Version 52.10 (4)

Dipole/2600MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.73 W/kg

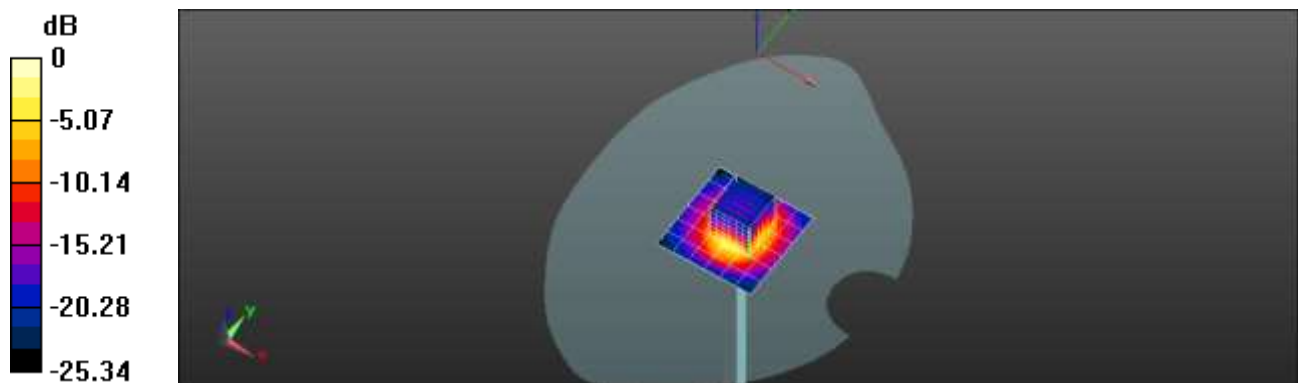
Dipole/2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.35 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 6.77 W/kg

SAR(1 g) = 2.96 W/kg; SAR(10 g) = 1.3 W/kg

Maximum value of SAR (measured) = 5.24 W/kg



0 dB = 4.73 W/kg = 6.75 dBW/kg

Verification Data (3500 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 20.6 °C
Test Date: 01/14/2022

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3500$ MHz; $\sigma = 2.946$ S/m; $\epsilon_r = 38.654$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.3, 7.3, 7.3) @ 3500 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588 20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

3500MHz Head Verification/Area Scan (6x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 4.85 W/kg

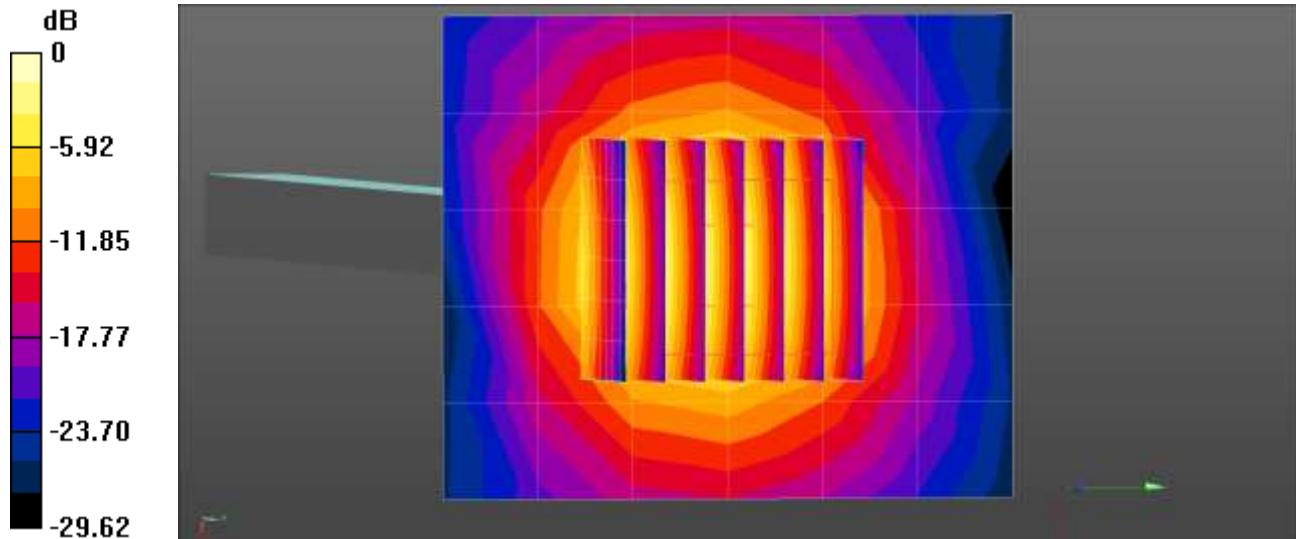
3500MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 52.44 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 3.55 W/kg; SAR(10 g) = 1.27 W/kg

Maximum value of SAR (measured) = 7.25 W/kg



0 dB = 4.85 W/kg = 6.85 dBW/kg

Verification Data (3700 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.6 °C
Test Date: 01/12/2022

Communication System: UID 0, CW (0); Frequency: 3700 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3700$ MHz; $\sigma = 3.117$ S/m; $\epsilon_r = 37.784$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(7.25, 7.25, 7.25) @ 3700 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588 20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

3700MHz Head Verification/Area Scan (6x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.06 W/kg

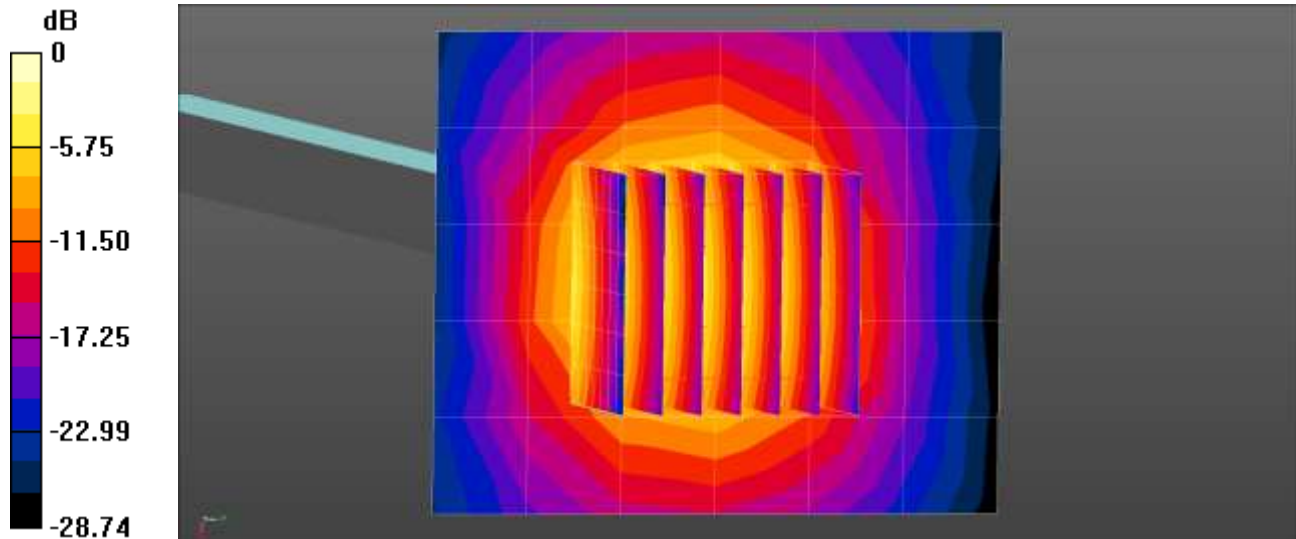
3700MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 49.54 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 10.0 W/kg

SAR(1 g) = 3.3 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 6.91 W/kg



0 dB = 5.06 W/kg = 7.04 dBW/kg

Verification Data (3900 MHz Head)

Test Laboratory: HCT CO., LTD
Input Power: 0.05 W
Liquid Temp: 22.6 °C
Test Date: 01/12/2022

Communication System: UID 0, CW (0); Frequency: 3900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 3900$ MHz; $\sigma = 3.235$ S/m; $\epsilon_r = 37.751$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7655; ConvF(6.85, 6.85, 6.85) @ 3900 MHz; Calibrated: 2021-05-21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1687; Calibrated: 2021-06-21
- Phantom: Twin-SAM V4.0 (20deg probe tilt) 1588_20200429; Type: QD 000 P40 CC; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

3900MHz Head Verification/Area Scan (6x7x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 5.50 W/kg

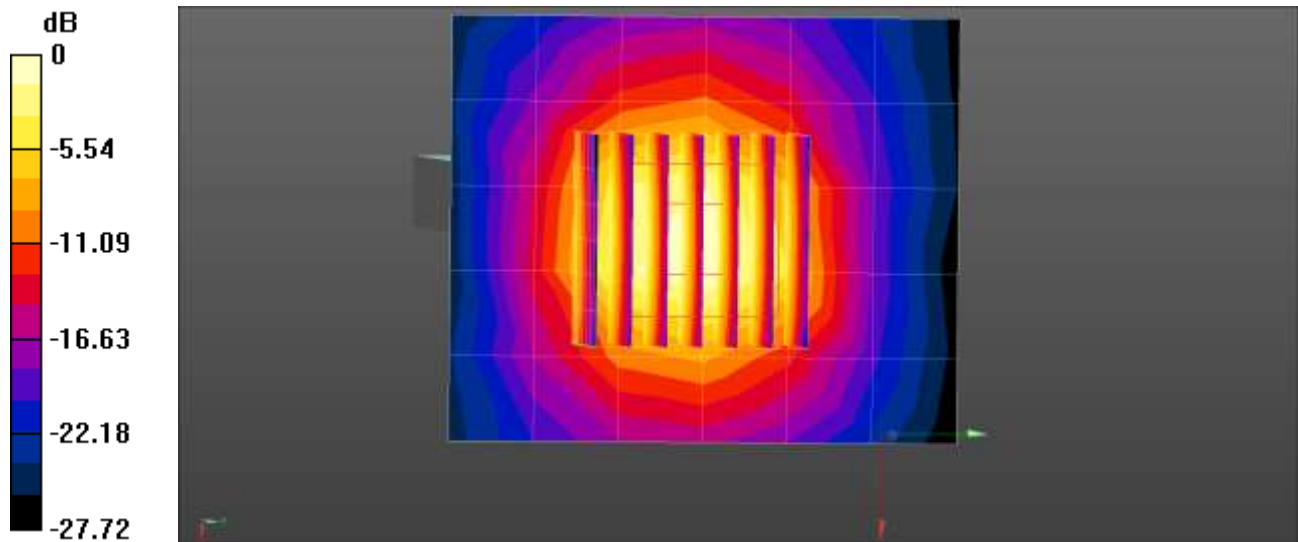
3900MHz Head Verification/Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=4mm

Reference Value = 52.33 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.21 W/kg

Maximum value of SAR (measured) = 7.65 W/kg



0 dB = 5.50 W/kg = 7.40 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 bactericide is added and visual inspection is made to make sure air bubbles are not trapped during the mixing process. The mixture is calibrated to obtain proper dielectric constant (permittivity) and conductivity of the desired tissue. The mixture characterizations used for the brain and muscle tissue simulating liquids are according to the data by C. Gabriel and G. Harts grove.

Ingredients (% by weight)	Frequency (MHz)											
	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	2021-06-14	41.8	0.89	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	835	4d165	2021-08-16	41.5	0.89	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	835	4d165	2021-08-16	41.5	0.89	PASS	PASS	PASS	GMSK	PASS	N/A
18	3972	EX3DV4	Head	1750	2d015	2021-08-14	40.1	1.41	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	1900	5d061	2021-12-08	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	1900	5d061	2021-12-08	40.1	1.42	PASS	PASS	PASS	GMSK	PASS	N/A
11	7679	EX3DV4	Head	2300	1010	2021-10-15	39.4	1.72	PASS	PASS	PASS	N/A	N/A	N/A
11	7679	EX3DV4	Head	2300	1010	2021-10-15	39.4	1.72	PASS	PASS	PASS	TDD	PASS	N/A
5	3076	ES3DV3	Head	2300	1010	2021-09-15	39.4	1.72	PASS	PASS	PASS	TDD	PASS	N/A
18	3972	EX3DV4	Head	2450	965	2021-06-29	39.2	1.83	PASS	PASS	PASS	OFDM	N/A	NA
18	3972	EX3DV4	Head	2600	1106	2021-08-16	39.1	1.94	PASS	PASS	PASS	TDD	PASS	NA
18	3972	EX3DV4	Head	2600	1106	2021-08-16	39.1	1.94	PASS	PASS	PASS	N/A	N/A	N/A
3	3903	EX3DV4	Head	2600	1106	2021-08-11	39.1	1.94	PASS	PASS	PASS	TDD	PASS	N/A
12	7680	EX3DV4	Head	3500	1040	2021-09-22	37.9	2.92	PASS	PASS	PASS	TDD	PASS	NA
12	7680	EX3DV4	Head	3700	1105	2021-12-04	37.5	3.13	PASS	PASS	PASS	TDD	PASS	NA
14	7655	EX3DV4	Head	3500	1040	2021-06-04	37.9	2.92	PASS	PASS	PASS	TDD	PASS	NA
14	7655	EX3DV4	Head	3700	1105	2021-12-04	37.5	3.13	PASS	PASS	PASS	TDD	PASS	NA
14	7655	EX3DV4	Head	3900	1019	2021-06-17	37.2	3.31	PASS	PASS	PASS	TDD	PASS	NA
12	7680	EX3DV4	Head	5250	1107	2021-09-22	35.7	4.70	PASS	PASS	PASS	OFDM	N/A	PASS
12	7680	EX3DV4	Head	5600	1107	2021-09-22	35.3	5.05	PASS	PASS	PASS	OFDM	N/A	PASS
12	7680	EX3DV4	Head	5750	1107	2021-09-22	35.6	5.24	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	1750	2d015	2021-08-14	40.1	1.41	PASS	PASS	PASS	N/A	N/A	N/A
18	3972	EX3DV4	Head	1900	5d061	2021-12-08	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
3	3903	EX3DV4	Head	2600	1106	2021-08-11	39.1	1.94	PASS	PASS	PASS	TDD	PASS	N/A
14	7655	EX3DV4	Head	3500	1040	2021-06-04	37.9	2.92	PASS	PASS	PASS	TDD	PASS	NA
14	7655	EX3DV4	Head	3700	1105	2021-12-04	37.5	3.13	PASS	PASS	PASS	TDD	PASS	NA
14	7655	EX3DV4	Head	3900	1019	2021-06-17	37.2	3.31	PASS	PASS	PASS	TDD	PASS	NA
12	7680	EX3DV4	Head	5250	1107	2021-09-22	35.7	4.70	PASS	PASS	PASS	OFDM	N/A	PASS
12	7680	EX3DV4	Head	5600	1107	2021-09-22	35.3	5.05	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.