Attachment 1. – SAR Test Plots

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.7 ℃
Test Date:	12/03/2019
Plot No.:	1

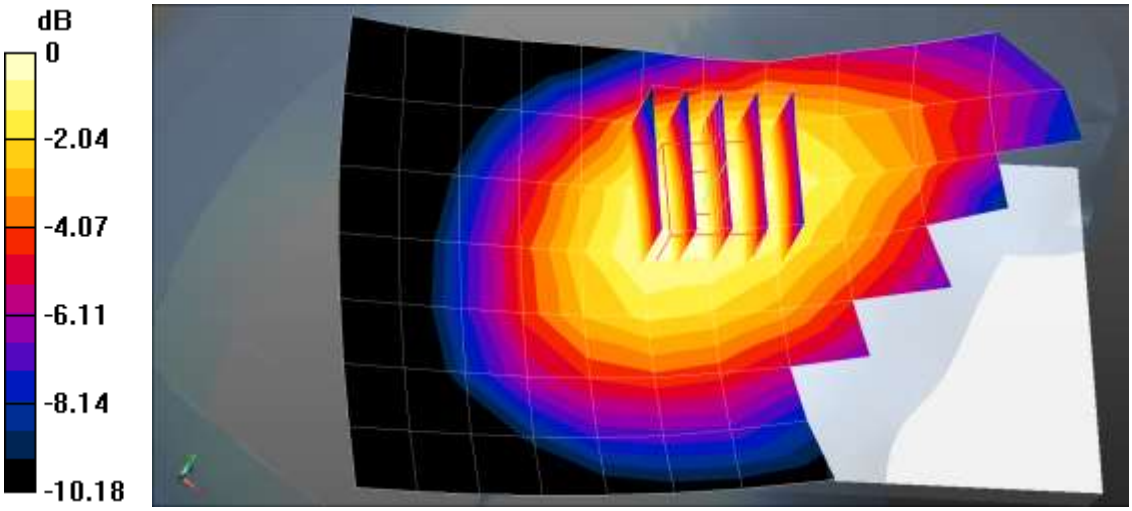
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.928 S/m; ε_r = 42.307; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(6.22, 6.22, 6.22) @ 836.6 MHz; Calibrated: 2019-07-23
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: SAM_Right_20170913
- Measurement SW: DASY52, Version 52.8 (8);

GSM850 Head Right Touch 190ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.211 W/kg

GSM850 Head Right Touch 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.831 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.146 W/kg
Maximum value of SAR (measured) = 0.215 W/kg



0 dB = 0.215 W/kg = −6.68 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.4 ℃
Test Date:	12/13/2019
Plot No.:	2

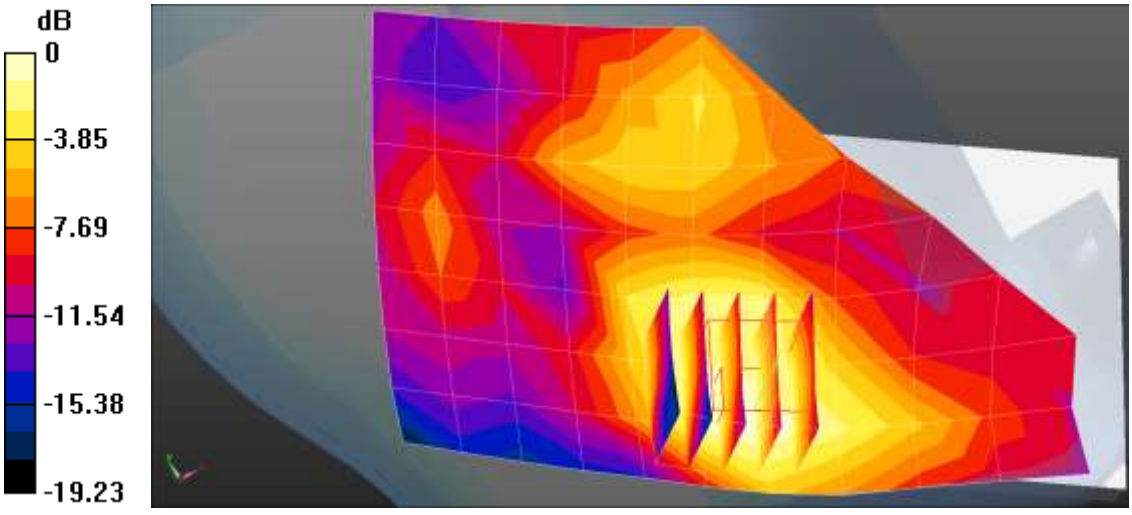
Communication System: UID 0, GSM 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.402 S/m; ε_r = 38.888; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.49, 8.49, 8.49) @ 1880 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.8 (8);

GSM1900 Head Left Touch 661ch/Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0767 W/kg

GSM1900 Head Left Touch 661ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.682 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.0940 W/kg
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.040 W/kg
Maximum value of SAR (measured) = 0.0809 W/kg



0 dB = 0.0809 W/kg = −10.92 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.7 ℃
Test Date:	12/03/2019
Plot No.:	3

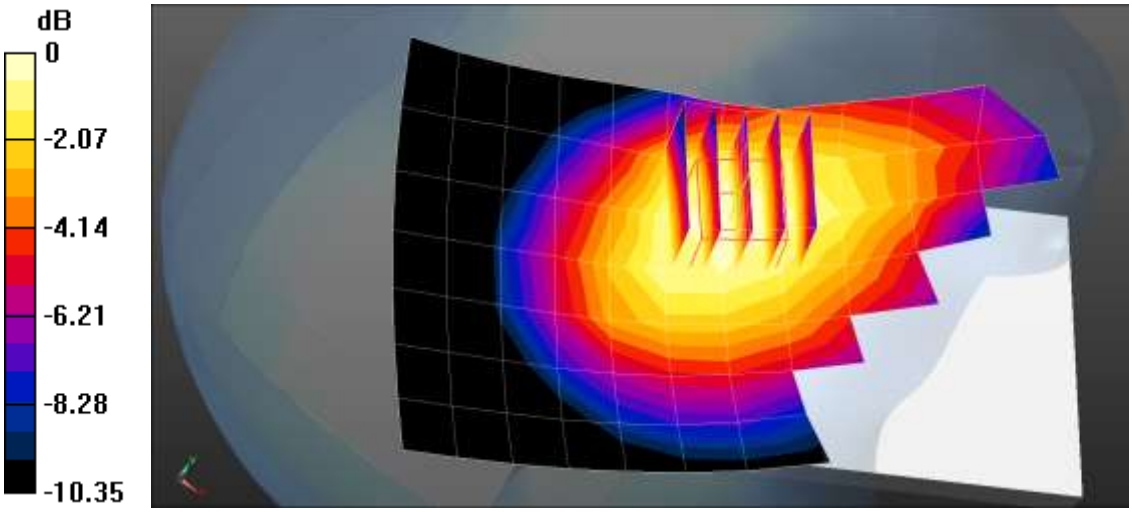
Communication System: UID 0, WCDMA850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.928 S/m; ε_r = 42.307; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(6.22, 6.22, 6.22) @ 836.6 MHz; Calibrated: 2019-07-23
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: SAM_Right_20170913
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA B5 Head Right Touch 4183ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.229 W/kg

WCDMA B5 Head Right Touch 4183ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.138 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.268 W/kg
SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.156 W/kg
Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg = −6.40 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.2 ℃
Test Date:	12/03/2019
Plot No.:	4

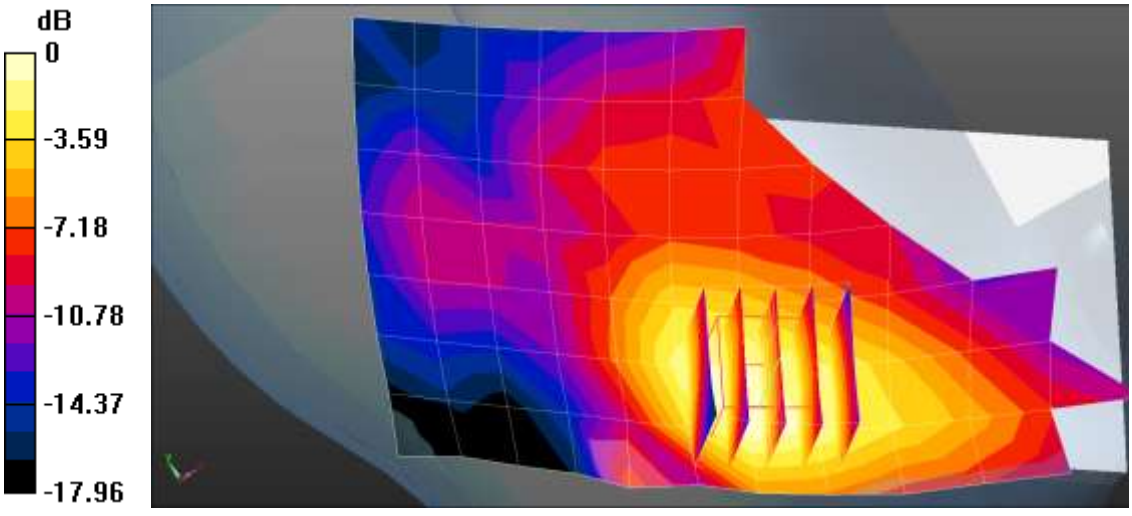
Communication System: UID 0, WCDMA 1700 (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.365 S/m; ε_r = 38.099; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.81, 8.81, 8.81) @ 1752.6 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA 4 Head Left Touch 1513ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.127 W/kg

WCDMA 4 Head Left Touch 1513ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.483 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.163 W/kg
SAR(1 g) = 0.110 W/kg; SAR(10 g) = 0.071 W/kg
Maximum value of SAR (measured) = 0.144 W/kg



0 dB = 0.144 W/kg = −8.42 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.2 ℃
Test Date:	12/03/2019
Plot No.:	5

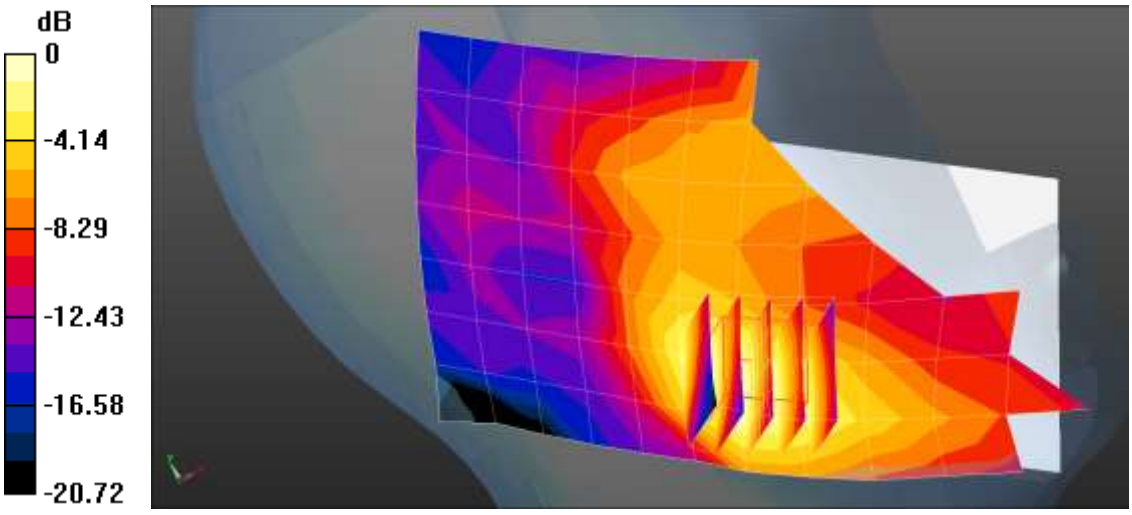
Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.415 S/m; ε_r = 38.158; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.49, 8.49, 8.49) @ 1880 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA 2 Head Left Touch 9400ch/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.114 W/kg

WCDMA 2 Head Left Touch 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.5340 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.166 W/kg
SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.067 W/kg
Maximum value of SAR (measured) = 0.144 W/kg



0 dB = 0.144 W/kg = −8.42 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/11/2019
Plot No.:	6

DUT: Pproject; Type: Bar

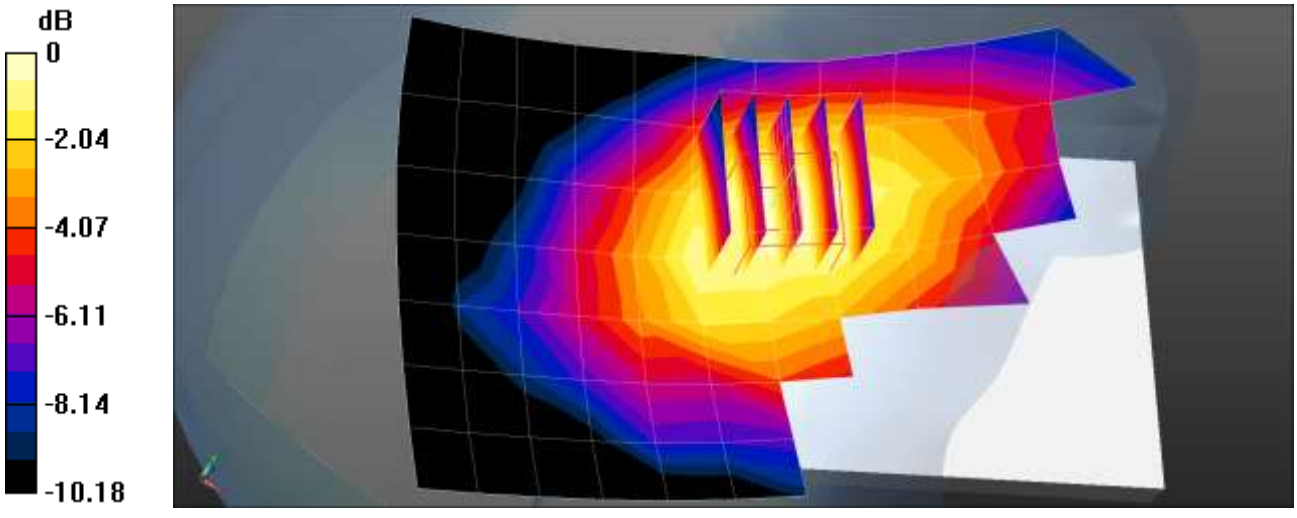
Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.927 S/m; ε_r = 42.326; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.24, 10.24, 10.24) @ 836.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Right
- Measurement SW: DASY52, Version 52.8 (8);

LTE band 5 Head Right Touch QPSK 10MHz 1RB 0offset 20525ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.251 W/kg

LTE band 5 Head Right Touch QPSK 10MHz 1RB 0offset 20525ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.120 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.262 W/kg
SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.147 W/kg
Maximum value of SAR (measured) = 0.240 W/kg



0 dB = 0.240 W/kg = −6.20 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/12/2019
Plot No.:	7

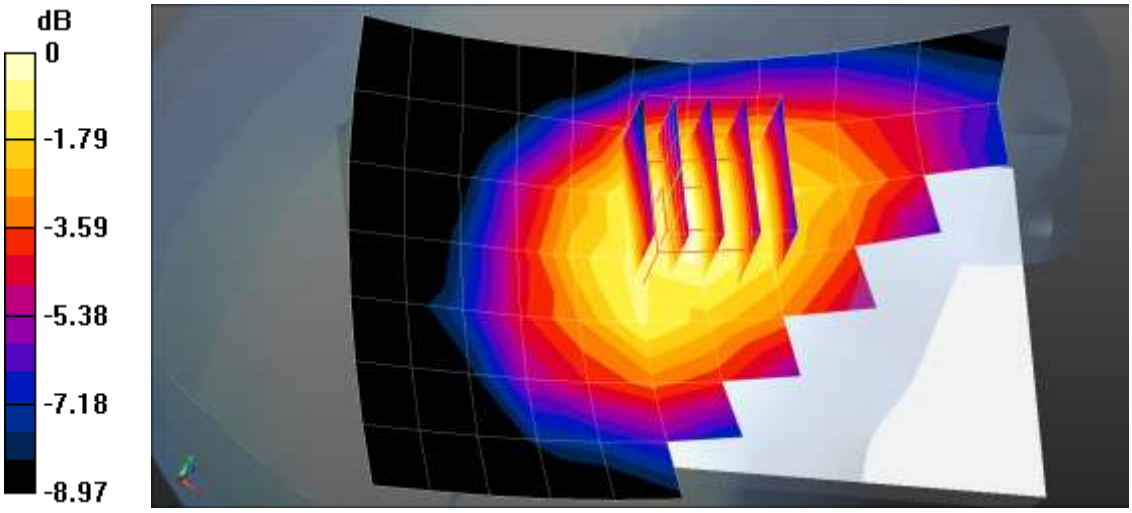
Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.858 S/m; ε_r = 42.179; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.67, 10.67, 10.67) @ 707.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Right
- Measurement SW: DASY52, Version 52.8 (8);

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) = 0.121 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 = 2.721 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.082 W/kg
Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.129 W/kg = −8.89 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/12/2019
Plot No.:	8

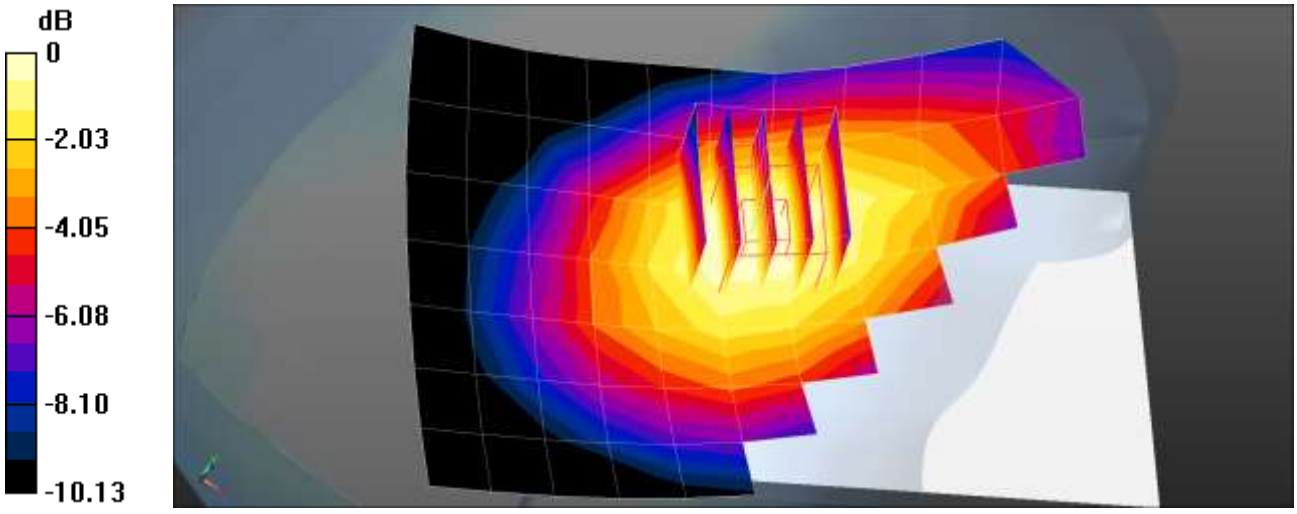
Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.916 S/m; ε_r = 41.307; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.67, 10.67, 10.67) @ 782 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Right
- Measurement SW: DASY52, Version 52.8 (8);

LTE band 13 Head Right Touch QPSK 10MHz 1RB 24offset 23230ch/Area Scan (8x13x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.158 W/kg

LTE band 13 Head Right Touch QPSK 10MHz 1RB 24offset 23230ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.594 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.180 W/kg
SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.103 W/kg
Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg = −7.90 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.2 ℃
Test Date:	12/03/2019
Plot No.:	9

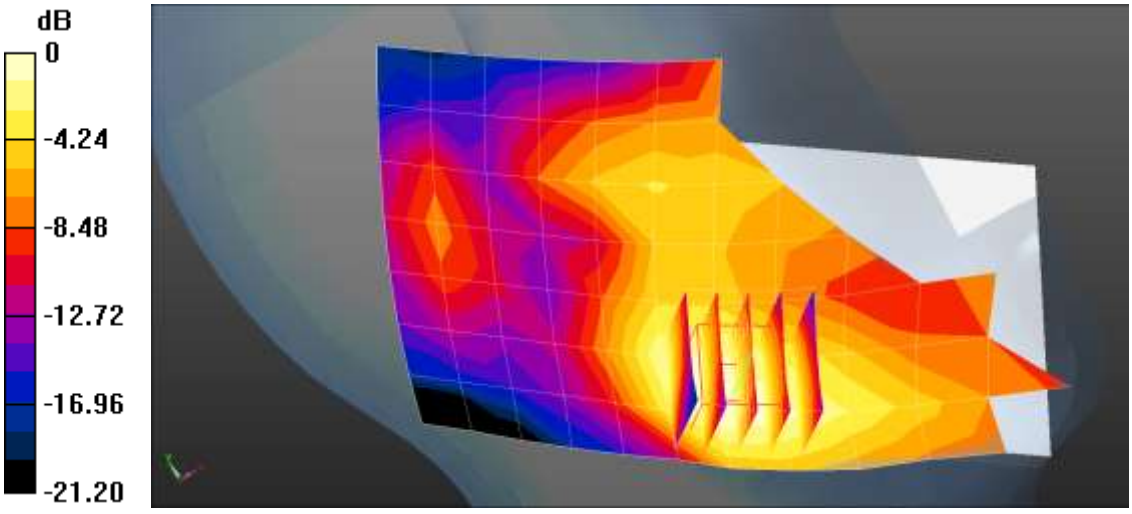
Communication System: UID 0, LTE Band 25 (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.414 S/m; ε_r = 38.185; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.49, 8.49, 8.49) @ 1882.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 25 Head Left Touch QPSK 20MHz 1RB 0offset 26365ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.112 W/kg

LTE Band 25 Head Left Touch QPSK 20MHz 1RB 0offset 26365ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.898 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.136 W/kg
SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.118 W/kg



0 dB = 0.118 W/kg = −9.28 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/11/2019
Plot No.:	10

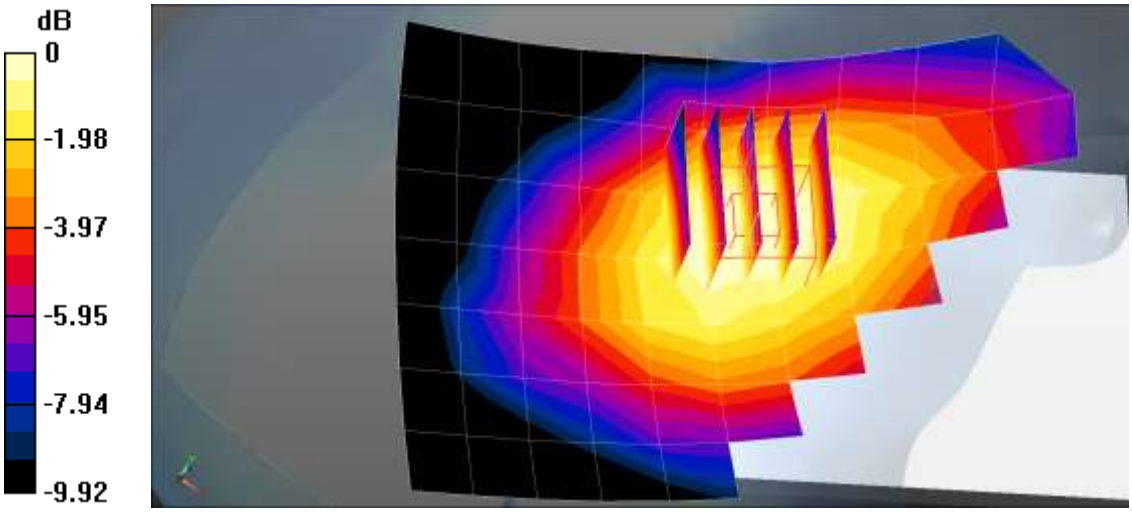
Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.924 S/m; ε_r = 42.411; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.24, 10.24, 10.24) @ 831.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Right
- Measurement SW: DASY52, Version 52.8 (8);

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) = 0.200 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 = 5.059 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.225 W/kg
SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.201 W/kg



0 dB = 0.201 W/kg = −6.97 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.3 ℃
Ambient Temperature:	21.5 ℃
Test Date:	12/13/2019
Plot No.:	11

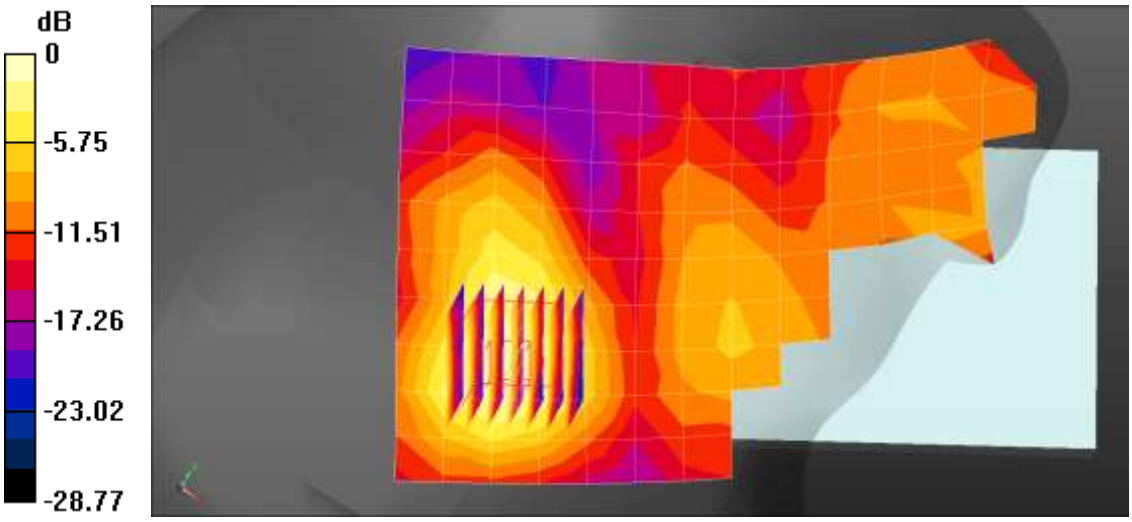
Communication System: UID 0, LTE Band41 (0); Frequency: 2680 MHz;Duty Cycle: 1:2.31047
Medium parameters used: f = 2680 MHz; σ = 2.039 S/m; ε_r = 37.605; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.41, 7.41, 7.41) @ 2680 MHz; Calibrated: 2019-09-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2019-04-17
- Phantom: Twin-SAM V8.0_20171017(Left2)
- Measurement SW: DASY52, Version 52.10 (2);

LTE Band41 Head Right Tilt QPSK 20MHz 1RB 0offset 41490ch Powerclass2/Area Scan (10x16x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.133 W/kg

LTE Band41 Head Right Tilt QPSK 20MHz 1RB 0offset 41490ch Powerclass2/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.801 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.169 W/kg
SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.047 W/kg
Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg = −8.48 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.2 ℃
Test Date:	12/03/2019
Plot No.:	12

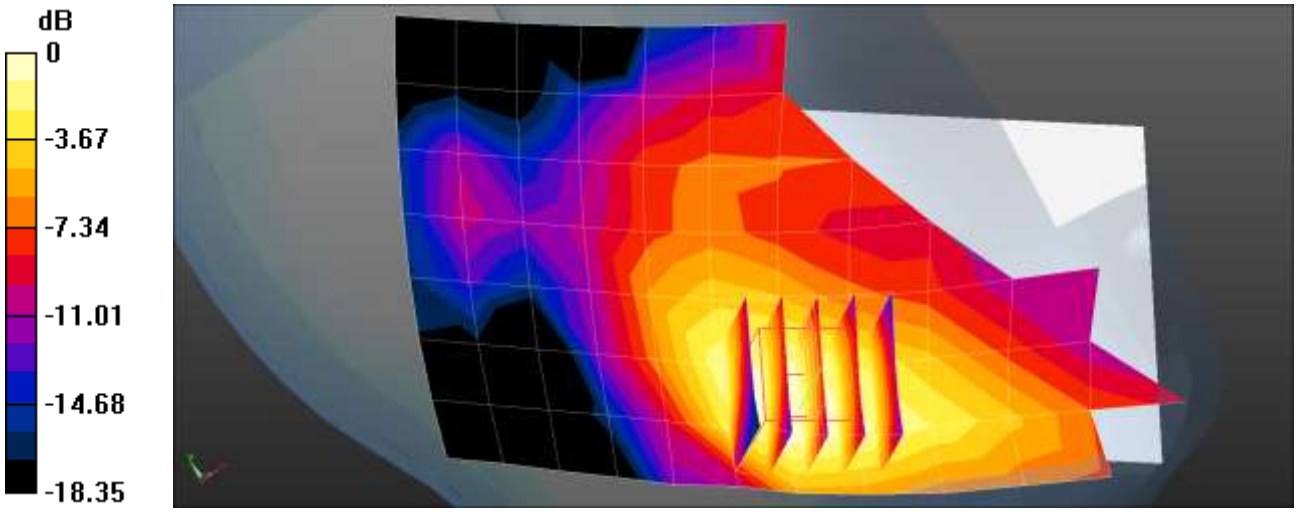
Communication System: UID 0, LTE Band 66(20MHz FCC) (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.355 S/m; ε_r = 38.091; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.81, 8.81, 8.81) @ 1745 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 66 Head Left Touch QPSK 20MHz 1RB 99offset 132322ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.124 W/kg

LTE Band 66 Head Left Touch QPSK 20MHz 1RB 99offset 132322ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.429 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.145 W/kg
SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.065 W/kg
Maximum value of SAR (measured) = 0.129 W/kg



0 dB = 0.129 W/kg = −8.89 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.7 ℃
Ambient Temperature:	20.9 ℃
Test Date:	12/27/2019
Plot No.:	13

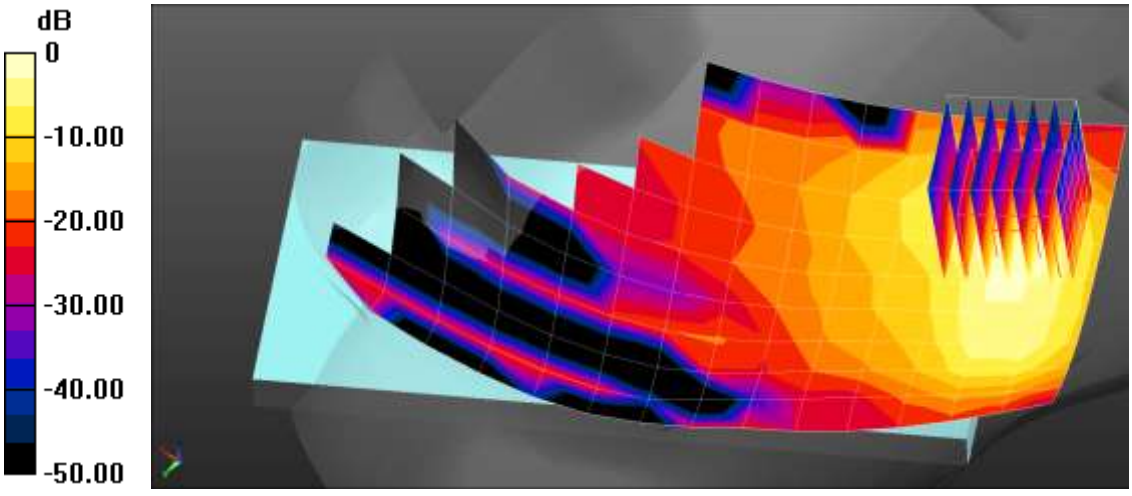
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.784 S/m; ε_r = 38.241; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.61, 7.61, 7.61); Calibrated: 2019-05-15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0(Left-Left)
- Measurement SW: DASY52, Version 52.10 (2);

802.11b Head Right Tilt 1Mbps 6ch Ant1/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.641 W/kg

802.11b Head Right Tilt 1Mbps 6ch Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.43 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.424 W/kg; SAR(10 g) = 0.166 W/kg
Maximum value of SAR (measured) = 0.837 W/kg



0 dB = 0.641 W/kg = −1.93 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.7 ℃
Ambient Temperature:	20.9 ℃
Test Date:	12/27/2019
Plot No.:	14

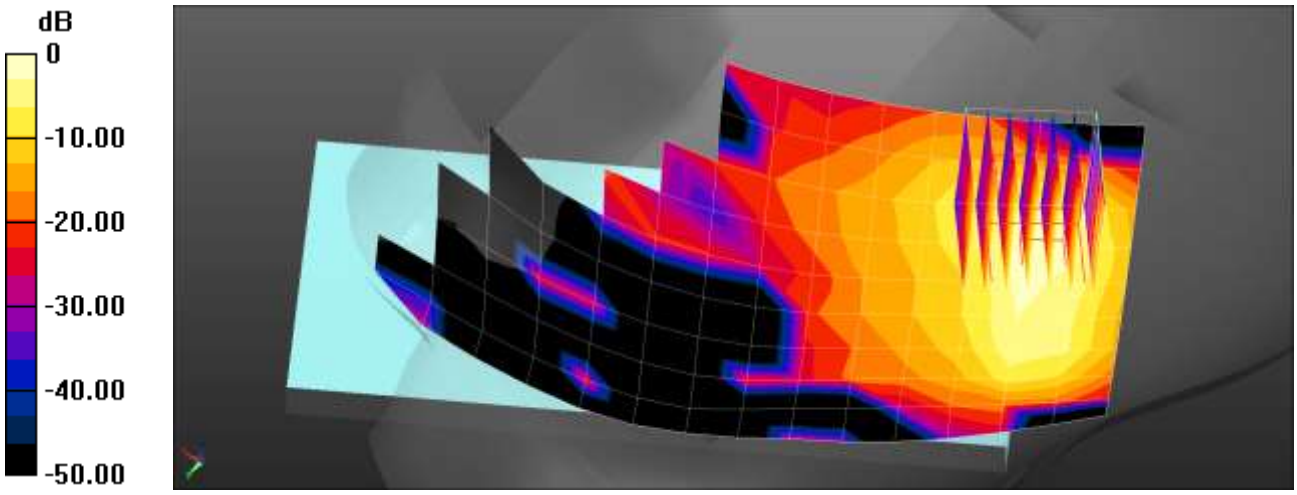
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.784 S/m; ε_r = 38.241; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.61, 7.61, 7.61); Calibrated: 2019-05-15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0(Left-Left)
- Measurement SW: DASY52, Version 52.10 (2);

802.11b Head Right Tilt 1Mbps 6ch Ant1/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.377 W/kg

802.11b Head Right Tilt 1Mbps 6ch Ant1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.557 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.614 W/kg
SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.086 W/kg
Maximum value of SAR (measured) = 0.419 W/kg



0 dB = 0.377 W/kg = −4.24 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.5 ℃
Ambient Temperature:	20.8 ℃
Test Date:	12/30/2019
Plot No.:	15

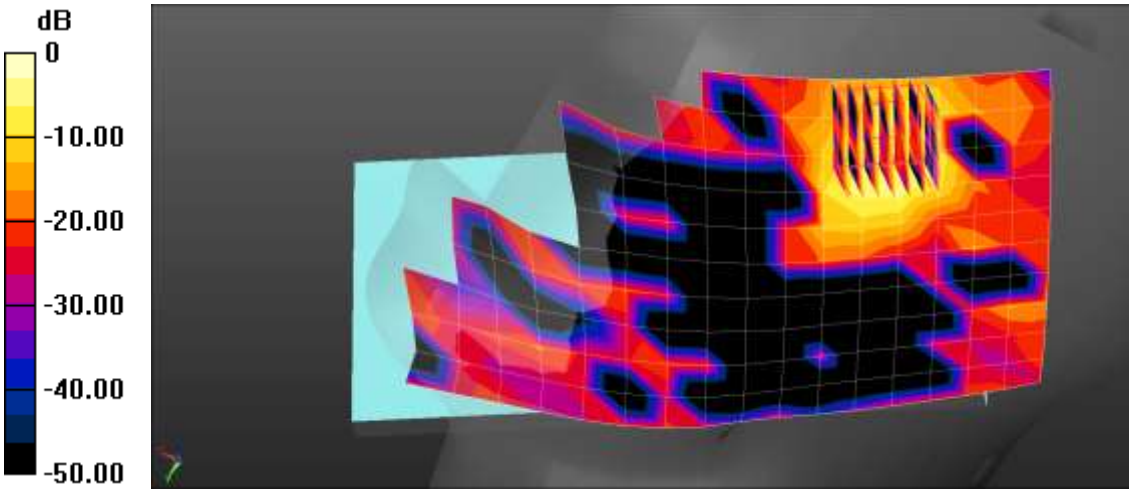
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5690 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5690 MHz; σ = 5.192 S/m; ε_r = 35.032; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3863; ConvF(4.99, 4.99, 4.99); Calibrated: 2019-05-15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0 (Left-Right)
- Measurement SW: DASY52, Version 52.10 (2);

802.11ac80 Head Right Touch MCS0 138ch Ant2/Area Scan (11x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.637 W/kg

802.11ac80 Head Right Touch MCS0 138ch Ant2/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 2.091 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.961 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.051 W/kg
Maximum value of SAR (measured) = 0.546 W/kg



0 dB = 0.637 W/kg = −1.96 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.1 ℃
Test Date:	12/19/2019
Plot No.:	16

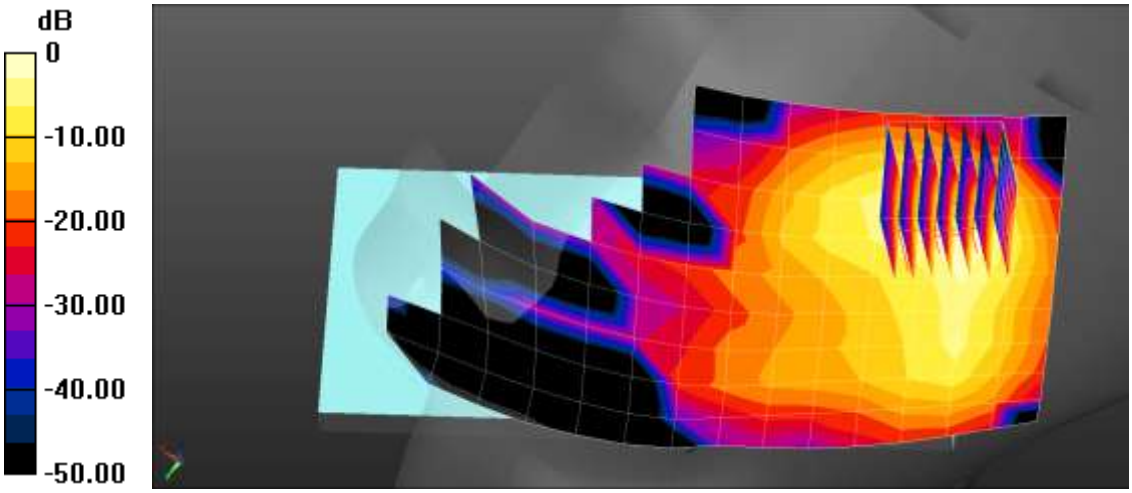
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.935 S/m; ε_r = 53.67; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-05-15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0(Left-Left)
- Measurement SW: DASY52, Version 52.10 (2);

Bluetooth Head Right Touch DH5 39ch/Area Scan (10x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.976 W/kg

Bluetooth Head Right Touch DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.67 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.203 W/kg
Maximum value of SAR (measured) = 0.996 W/kg



0 dB = 0.976 W/kg = −0.11 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.7 ℃
Test Date:	12/03/2019
Plot No.:	17

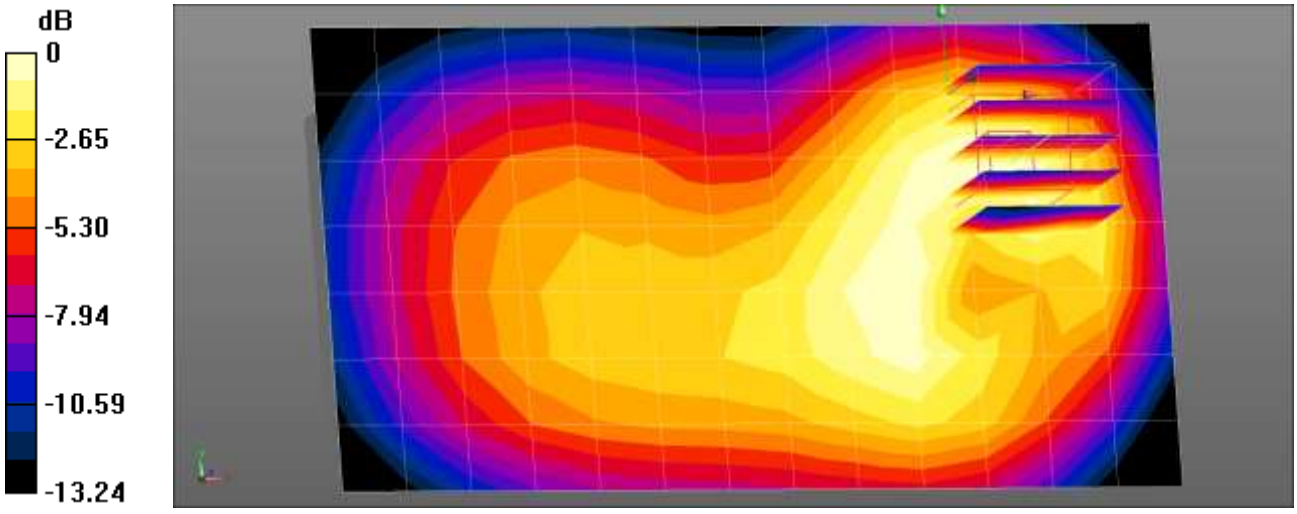
Communication System: UID 0, GSM 850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.963 S/m; ε_r = 56.257; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.97, 5.97, 5.97) @ 836.6 MHz; Calibrated: 2019-07-23
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.8 (8);

GSM850 Bodyworn Rear 190ch/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.250 W/kg

GSM850 Bodyworn Rear 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.37 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.323 W/kg
SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.140 W/kg
Maximum value of SAR (measured) = 0.253 W/kg



0 dB = 0.253 W/kg = −5.97 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.4 ℃
Test Date:	12/13/2019
Plot No.:	18

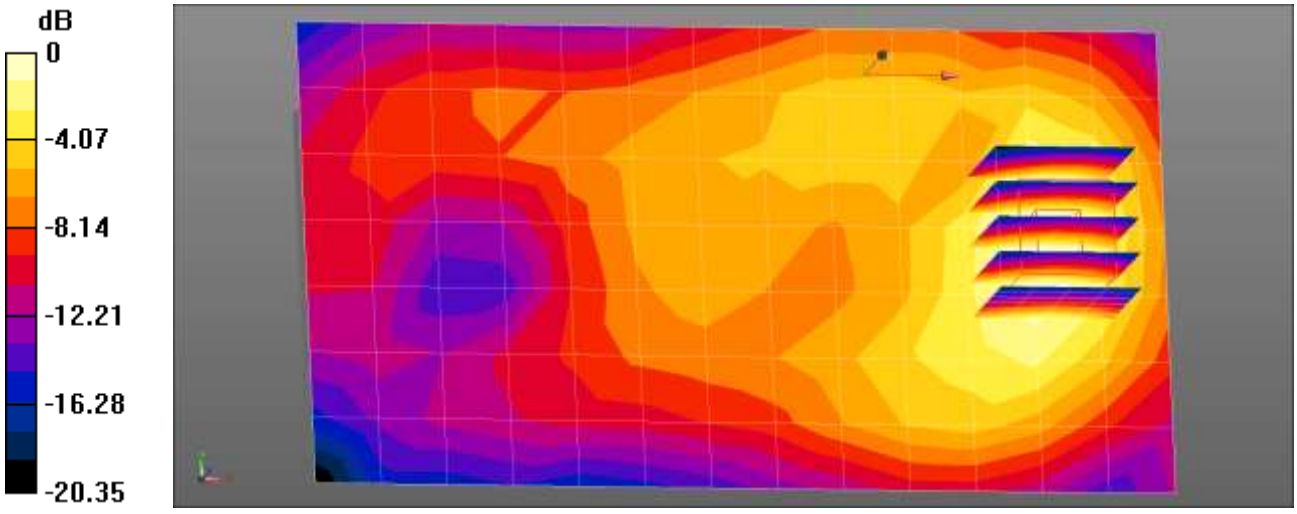
Communication System: UID 0, GSM 1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium parameters used: f = 1880 MHz; σ = 1.512 S/m; ε_r = 53.626; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1880 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

GSM1900 Body Rear 661ch body worn/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.244 W/kg

GSM1900 Body Rear 661ch body worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.412 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.113 W/kg
Maximum value of SAR (measured) = 0.251 W/kg



0 dB = 0.244 W/kg = −6.12 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.7 ℃
Test Date:	12/03/2019
Plot No.:	19

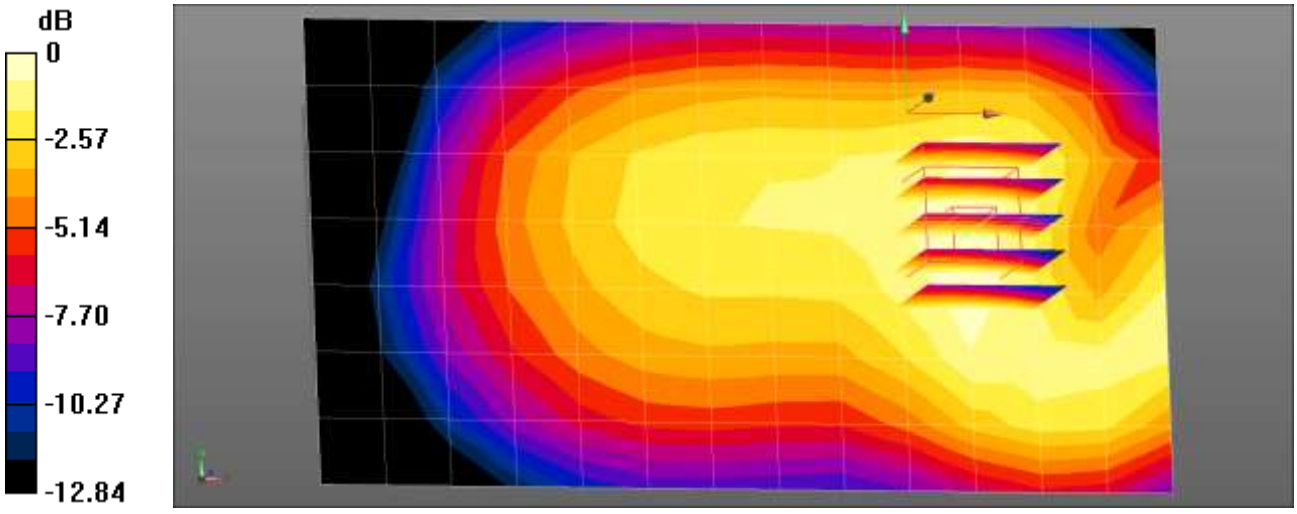
Communication System: UID 0, WCDMA850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.963 S/m; ε_r = 56.257; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.97, 5.97, 5.97) @ 836.6 MHz; Calibrated: 2019-07-23
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA B5 Body Worn Front 4183ch/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.266 W/kg

WCDMA B5 Body Worn Front 4183ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.58 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.322 W/kg
SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.171 W/kg
Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg = −5.77 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.7 ℃
Ambient Temperature:	19.9 ℃
Test Date:	12/09/2019
Plot No.:	20

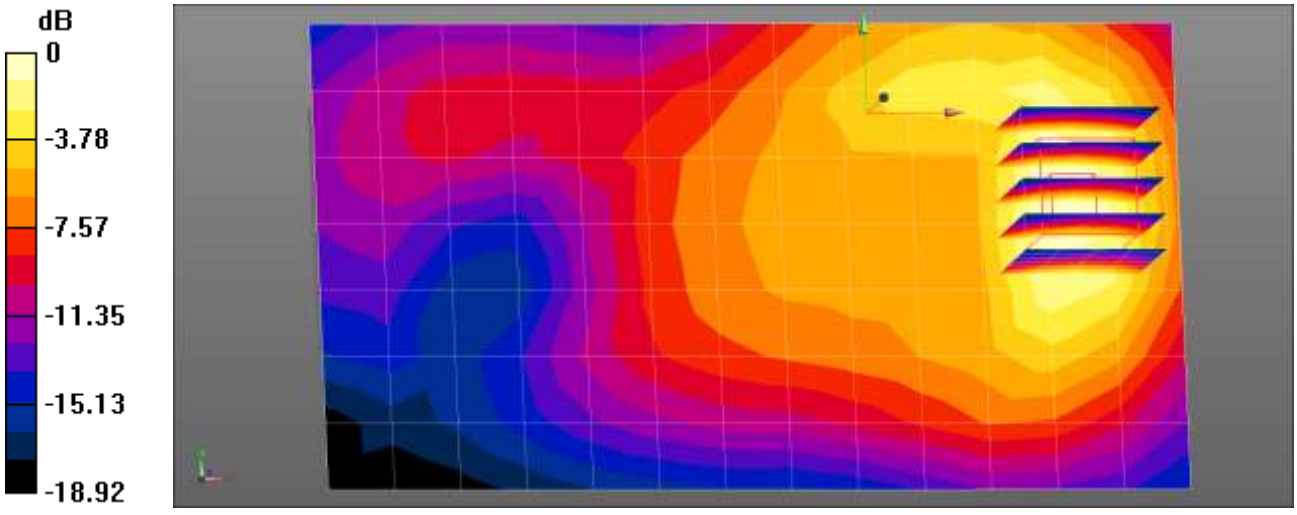
Communication System: UID 0, WCDMA 1700 (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.439 S/m; ε_r = 54.765; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.37, 8.37, 8.37) @ 1752.6 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA 4 Body Rear 1513ch/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.370 W/kg

WCDMA 4 Body Rear 1513ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.694 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.471 W/kg
SAR(1 g) = 0.299 W/kg; SAR(10 g) = 0.181 W/kg
Maximum value of SAR (measured) = 0.413 W/kg



0 dB = 0.370 W/kg = −4.31 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.7 ℃
Ambient Temperature:	19.9 ℃
Test Date:	12/09/2019
Plot No.:	21

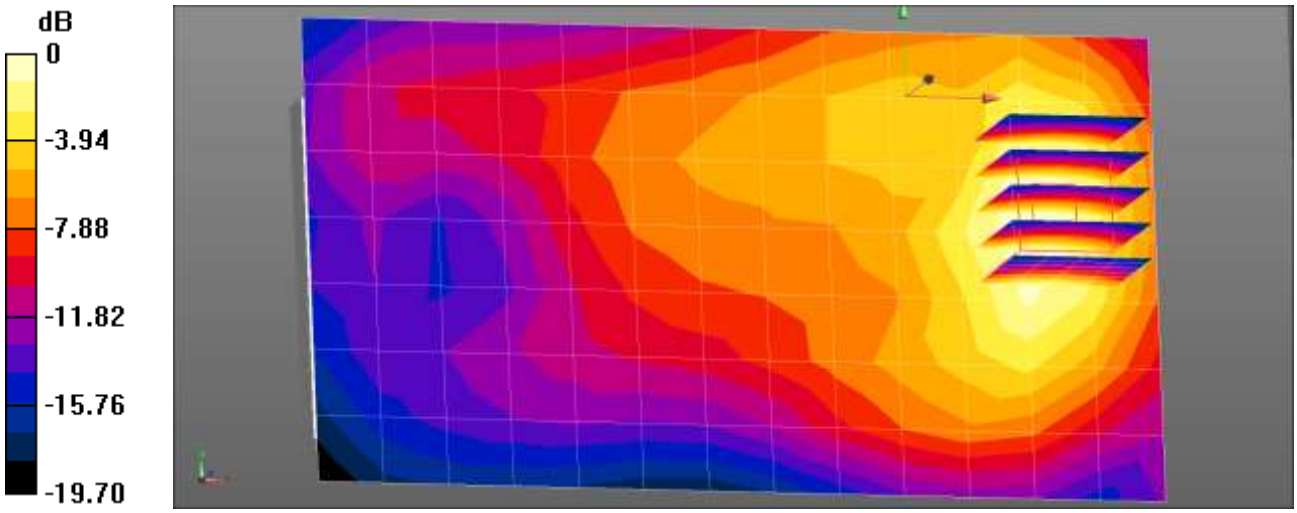
Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.514 S/m; ε_r = 53.556; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1880 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA 2 Body Rear 9400ch/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.400 W/kg

WCDMA 2 Body Rear 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.030 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.492 W/kg
SAR(1 g) = 0.306 W/kg; SAR(10 g) = 0.186 W/kg
Maximum value of SAR (measured) = 0.427 W/kg



0 dB = 0.400 W/kg = −3.97 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/11/2019
Plot No.:	22

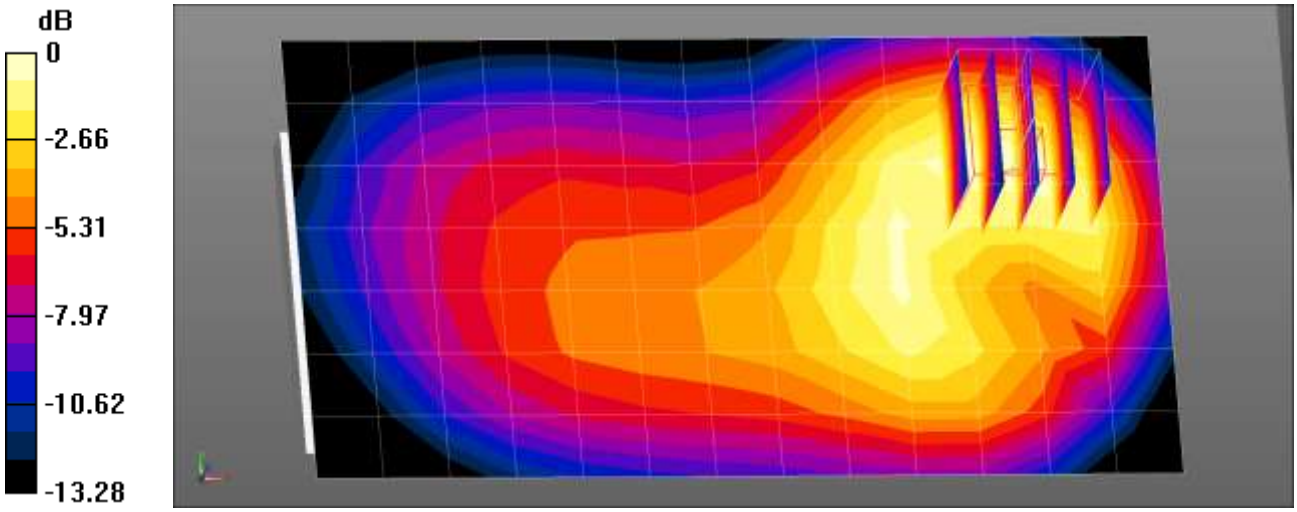
Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.963 S/m; ε_r = 56.416; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.23, 10.23, 10.23) @ 836.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE band 5 Body Rear QPSK 10MHz 1RB 0offset 20525ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.408 W/kg

LTE band 5 Body Rear QPSK 10MHz 1RB 0offset 20525ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.10 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.470 W/kg
SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.196 W/kg
Maximum value of SAR (measured) = 0.409 W/kg



0 dB = 0.409 W/kg = −3.88 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/12/2019
Plot No.:	23

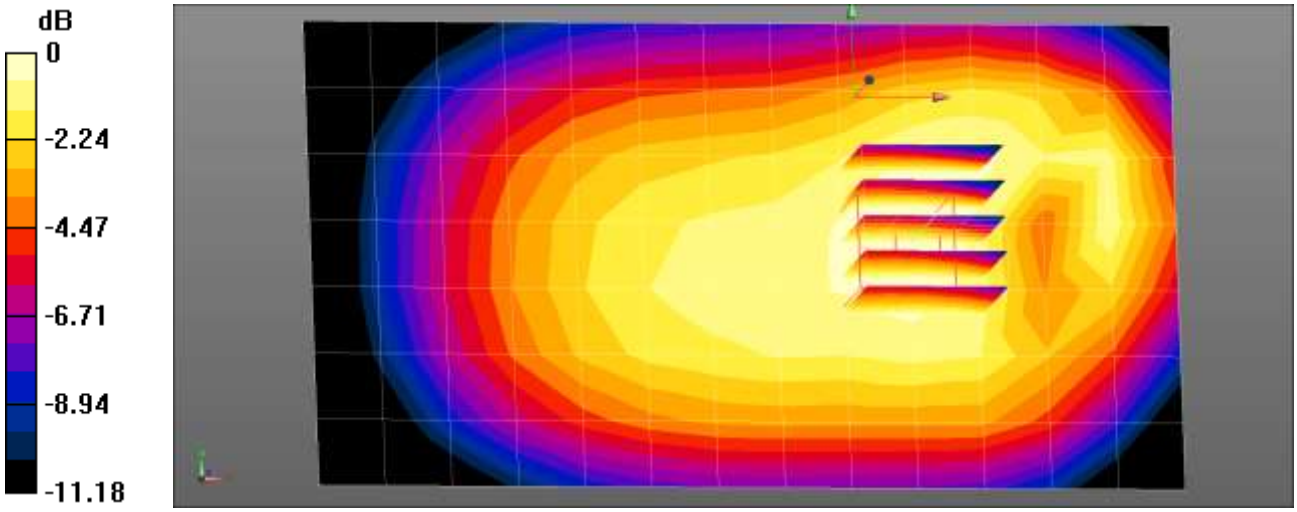
Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.925 S/m; ε_r = 56.691; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.41, 10.41, 10.41) @ 707.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 12 Body Rear QPSK 10MHz 1RB 0offset 23095ch BodyWorn/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.208 W/kg

LTE Band 12 Body Rear QPSK 10MHz 1RB 0offset 23095ch BodyWorn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.80 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.131 W/kg
Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg = −6.80 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/12/2019
Plot No.:	24

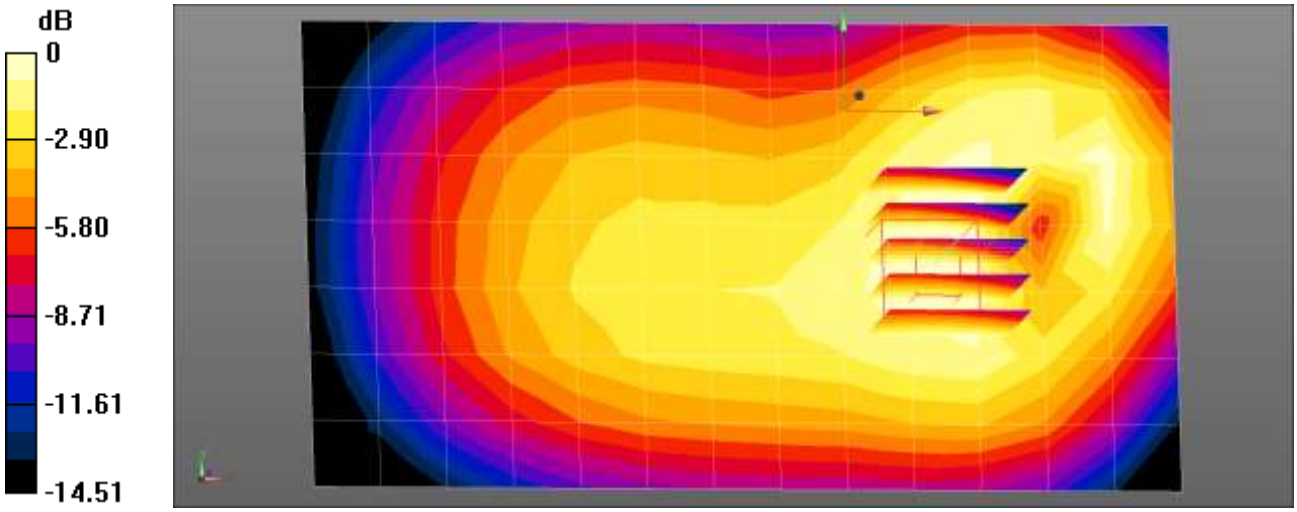
Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.999 S/m; ε_r = 55.929; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.41, 10.41, 10.41) @ 782 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 13 Body Rear QPSK 10MHz 1RB 24offset 23230ch BodyWorn/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.273 W/kg

LTE Band 13 Body Rear QPSK 10MHz 1RB 24offset 23230ch BodyWorn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.05 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.325 W/kg
SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.171 W/kg
Maximum value of SAR (measured) = 0.294 W/kg



0 dB = 0.294 W/kg = −5.32 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	18.5 ℃
Ambient Temperature:	18.7 ℃
Test Date:	12/10/2019
Plot No.:	25

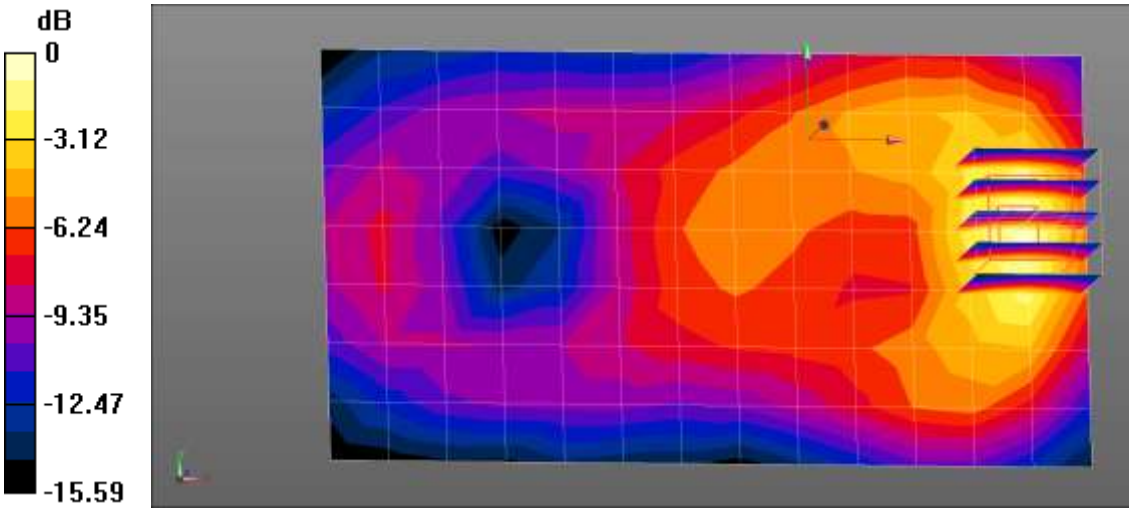
Communication System: UID 0, LTE Band 25 (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.514 S/m; ε_r = 53.581; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1882.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 25 Body Front QPSK 20MHz 1RB 0offset 26365ch/Area Scan (14x8x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.344 W/kg

LTE Band 25 Body Front QPSK 20MHz 1RB 0offset 26365ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.833 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.430 W/kg
SAR(1 g) = 0.260 W/kg; SAR(10 g) = 0.149 W/kg
Maximum value of SAR (measured) = 0.372 W/kg



0 dB = 0.372 W/kg = −4.29 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/11/2019
Plot No.:	26

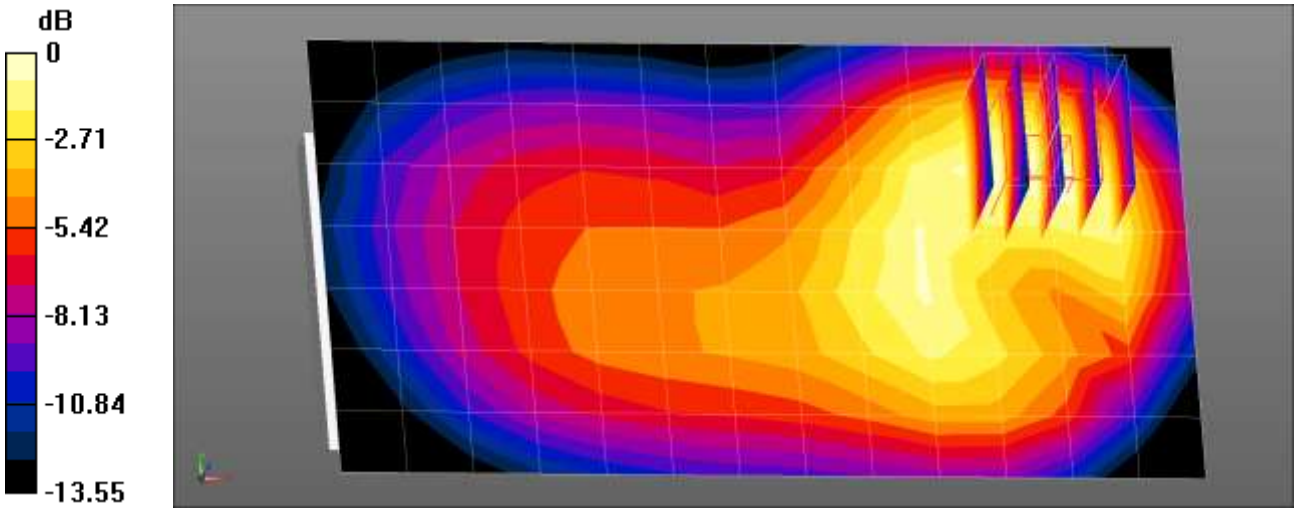
Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.959 S/m; ε_r = 56.465; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.23, 10.23, 10.23) @ 831.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE band 26 Body Rear QPSK 15MHz 1RB 0offset 26865ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.373 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 = 11.55 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.432 W/kg
SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.176 W/kg
Maximum value of SAR (measured) = 0.371 W/kg



0 dB = 0.371 W/kg = −4.31 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	12/28/2019
Plot No.:	27

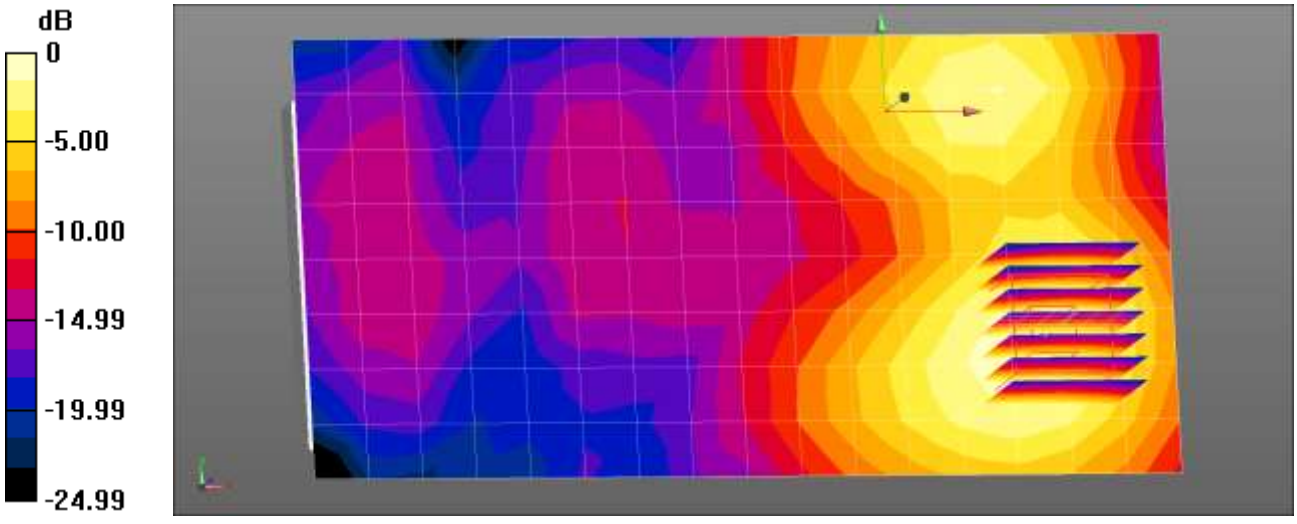
Communication System: UID 0, LTE Band41 (0); Frequency: 2680 MHz;Duty Cycle: 1:1.58052
Medium parameters used: f = 2680 MHz; σ = 2.217 S/m; ε_r = 53.065; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.49, 7.49, 7.49) @ 2680 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2019-04-17
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

LTE Band41 Body Rear QPSK 20MHz 1RB 0offset 41490ch/Area Scan (17x9x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.412 W/kg

LTE Band41 Body Rear QPSK 20MHz 1RB 0offset 41490ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.372 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.565 W/kg
SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.150 W/kg
Maximum value of SAR (measured) = 0.453 W/kg



0 dB = 0.453 W/kg = −3.44 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	18.5 ℃
Ambient Temperature:	18.7 ℃
Test Date:	12/10/2019
Plot No.:	28

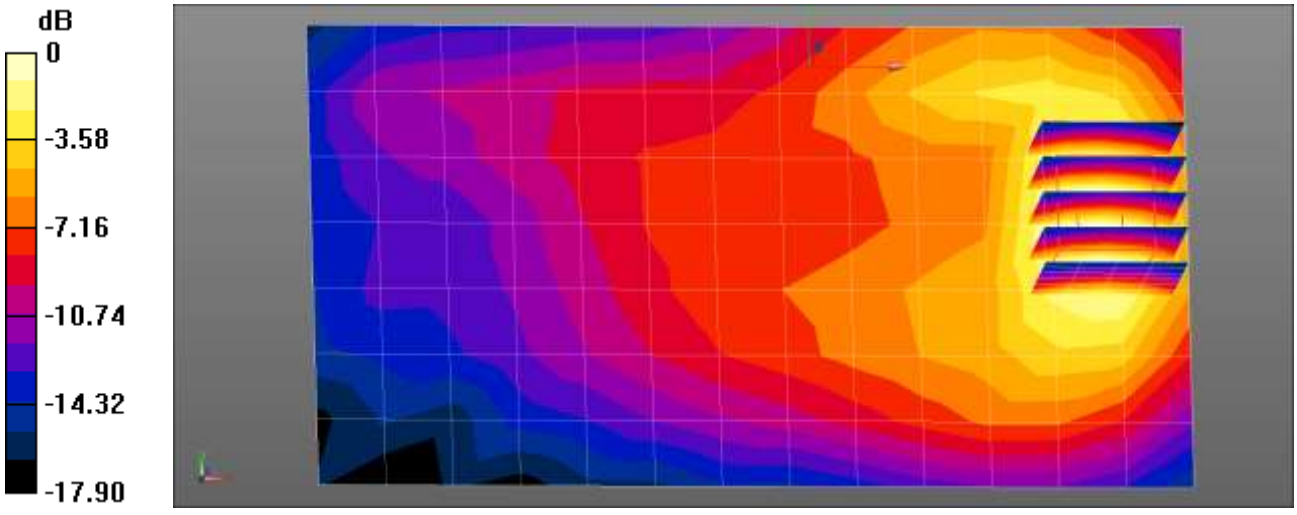
Communication System: UID 0, LTE Band 66 (0); Frequency: 1745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.431 S/m; ε_r = 54.953; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.37, 8.37, 8.37) @ 1745 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 66 Body Rear QPSK 20MHz 1RB 99offset 132332ch/Area Scan (14x8x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.439 W/kg

LTE Band 66 Body Rear QPSK 20MHz 1RB 99offset 132332ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.677 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.564 W/kg
SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.216 W/kg
Maximum value of SAR (measured) = 0.493 W/kg



0 dB = 0.439 W/kg = −3.58 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.3 ℃
Test Date:	01/08/2020
Plot No.:	29

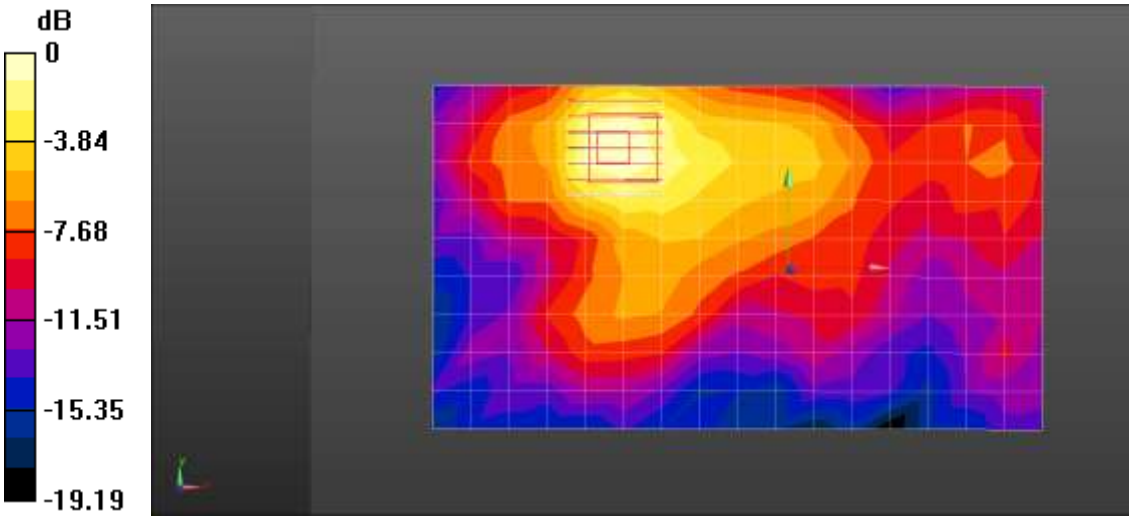
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.899 S/m; ε_r = 53.832; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74) Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: MFP_V5.1C_20171020
- Measurement SW: DASY52, Version 52.10 (2);

802.11b Body Rear 1Mbps 1ch/Area Scan (17x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.127 W/kg

P Project/802.11b Body Rear 1Mbps 1ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.476 V/m; Power Drift = 0.37 dB
Peak SAR (extrapolated) = 0.180 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.052 W/kg
Maximum value of SAR (measured) = 0.149 W/kg



0 dB = 0.127 W/kg = −8.95 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.3 ℃
Test Date:	01/08/2020
Plot No.:	30

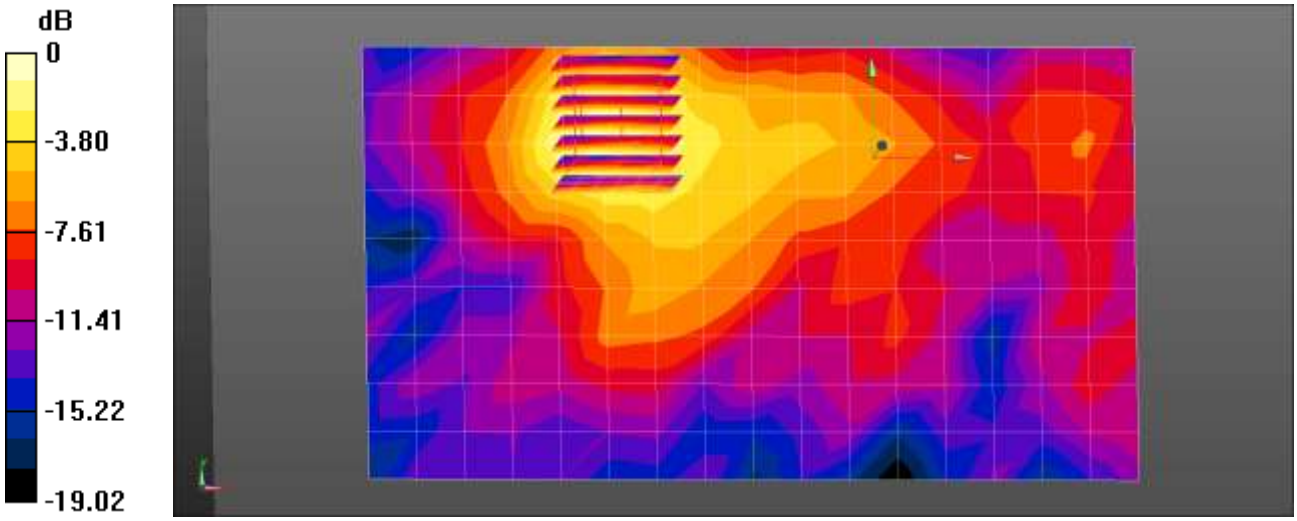
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.929 S/m; ε_r = 53.696; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74) @ 2437 MHz; Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: MFP_V5.1C_20171020
- Measurement SW: DASY52, Version 52.10 (2);

802.11b Body Rear 1Mbps 6ch/Area Scan (17x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0686 W/kg

802.11b Body Rear 1Mbps 6ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.352 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.0870 W/kg
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.026 W/kg
Maximum value of SAR (measured) = 0.0714 W/kg



0 dB = 0.0686 W/kg = −11.64 dBW/kg

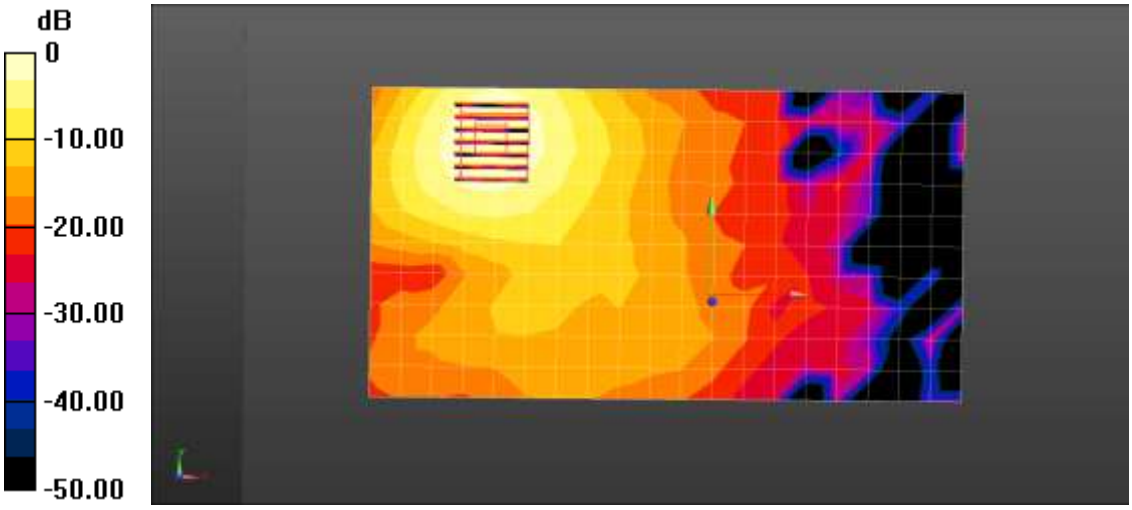
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	01/12/2020
Plot No.:	31

Communication System: UID 0, WIFI 5GHz (0); Frequency: 5620 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5620 MHz; σ = 6.006 S/m; ε_r = 47.747; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7370; ConvF(4.01, 4.01, 4.01); Calibrated: 2019-08-29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.8 (8);

802.11n20 BodyWorn Rear MCS8 124ch/Area Scan (20x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.88 W/kg
802.11n20 BodyWorn Rear MCS8 124ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 2.505 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 3.51 W/kg
SAR(1 g) = 0.878 W/kg; SAR(10 g) = 0.354 W/kg.
Maximum value of SAR (measured) = 1.97 W/kg



0 dB = 1.88 W/kg = 2.73 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	01/12/2020
Plot No.:	32

Communication System: UID 0, WIFI 5GHz UNII2C (0); Frequency: 5690 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5690 MHz; σ = 5.995 S/m; ε_r = 46.609; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3968; ConvF(4.52, 4.52, 4.52); Calibrated: 2019-09-27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2019-01-25
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

802.11ac80 Body-worn Rear MCS0 138ch/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.312 W/kg

802.11ac80 Body-worn Rear MCS0 138ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 1.376 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.546 W/kg
SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.331 W/kg

0 dB = 0.312 W/kg = -5.05 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.1 ℃
Test Date:	12/19/2019
Plot No.:	33

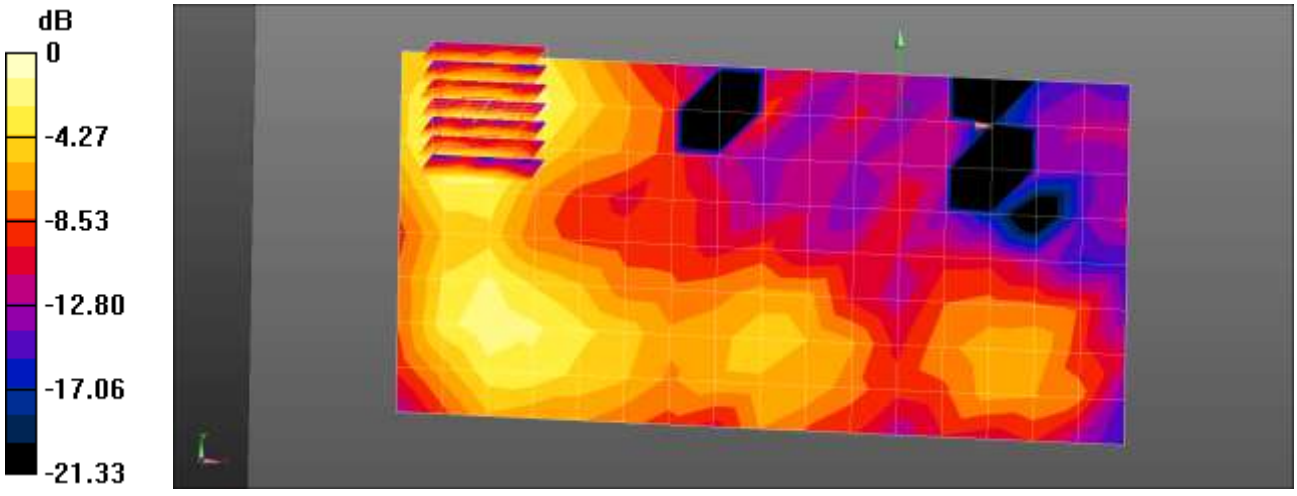
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.935 S/m; ε_r = 53.67; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-05-15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: MFP_V5.1C_20171020
- Measurement SW: DASY52, Version 52.10 (2);

Bluetooth Body Front DH5 39ch/Area Scan (17x9x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0355 W/kg

Bluetooth Body Front DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.191 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.0490 W/kg
SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.016 W/kg
Maximum value of SAR (measured) = 0.0411 W/kg



0 dB = 0.0411 W/kg = −13.86 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.7 ℃
Test Date:	12/03/2019
Plot No.:	34

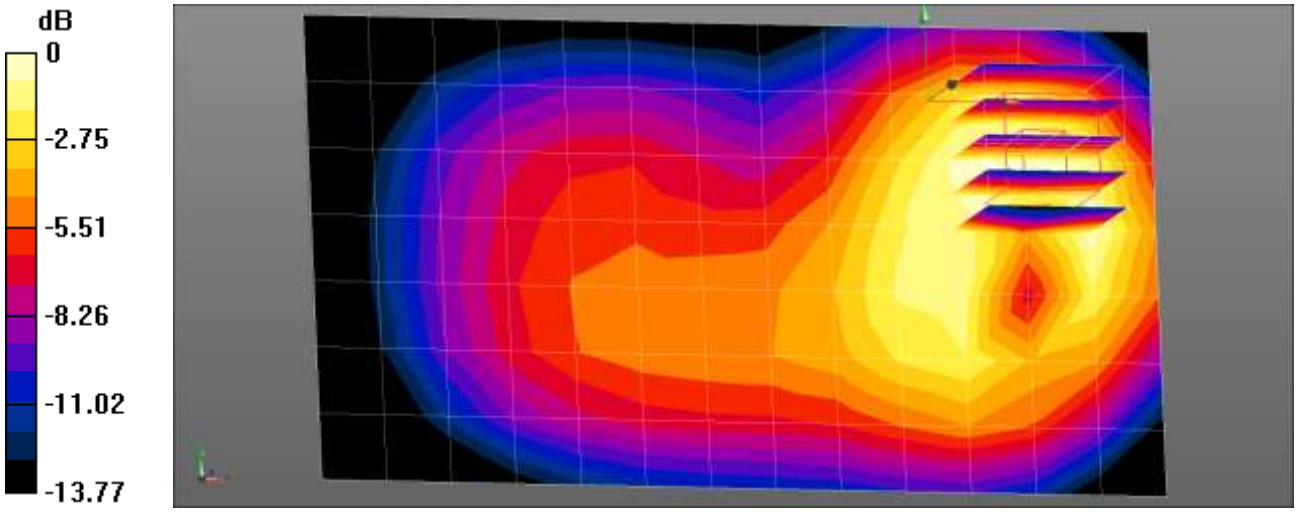
Communication System: UID 0, GSM850 GPRS 3TX (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.77013
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.963 S/m; ε_r = 56.257; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.97, 5.97, 5.97) @ 836.6 MHz; Calibrated: 2019-07-23
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.8 (8);

GSM850 Body Rear 3TX 190ch/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.671 W/kg

GSM850 Body Rear 3TX 190ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.58 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.884 W/kg
SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.362 W/kg
Maximum value of SAR (measured) = 0.678 W/kg



0 dB = 0.678 W/kg = −1.69 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.4 ℃
Test Date:	12/13/2019
Plot No.:	35

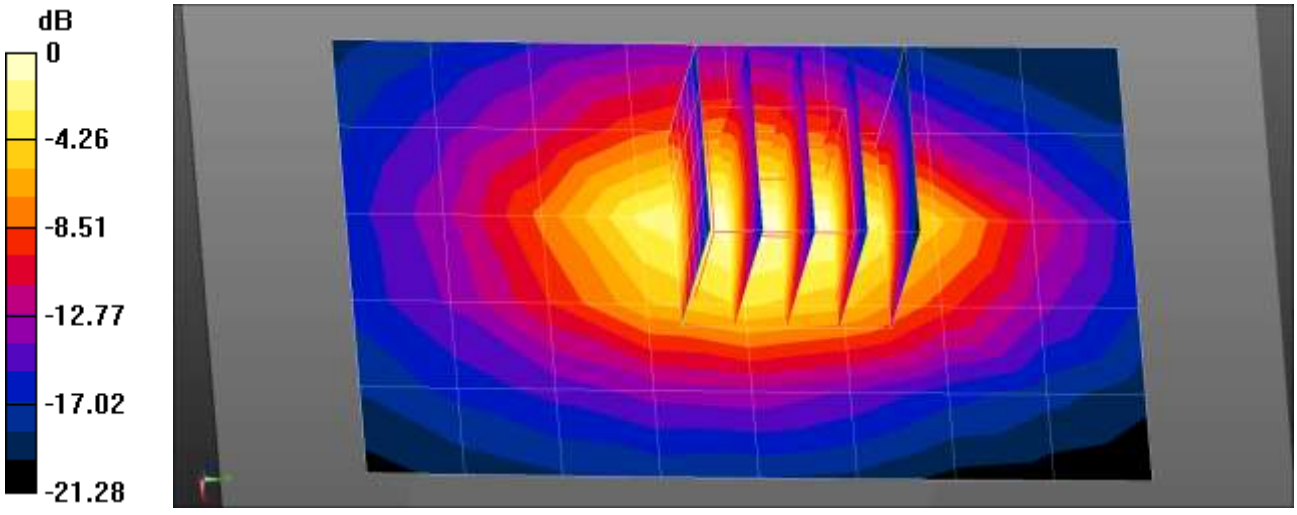
Communication System: UID 0, GSM 1900 3TX (0); Frequency: 1880 MHz;Duty Cycle: 1:2.77013
Medium parameters used: f = 1880 MHz; σ = 1.512 S/m; ε_r = 53.626; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1880 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

GSM1900 Body Bottom 3Tx 661ch/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.28 W/kg

GSM1900 Body Bottom 3Tx 661ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.42 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.503 W/kg
Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.28 W/kg = 1.06 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.5 ℃
Ambient Temperature:	19.7 ℃
Test Date:	12/03/2019
Plot No.:	36

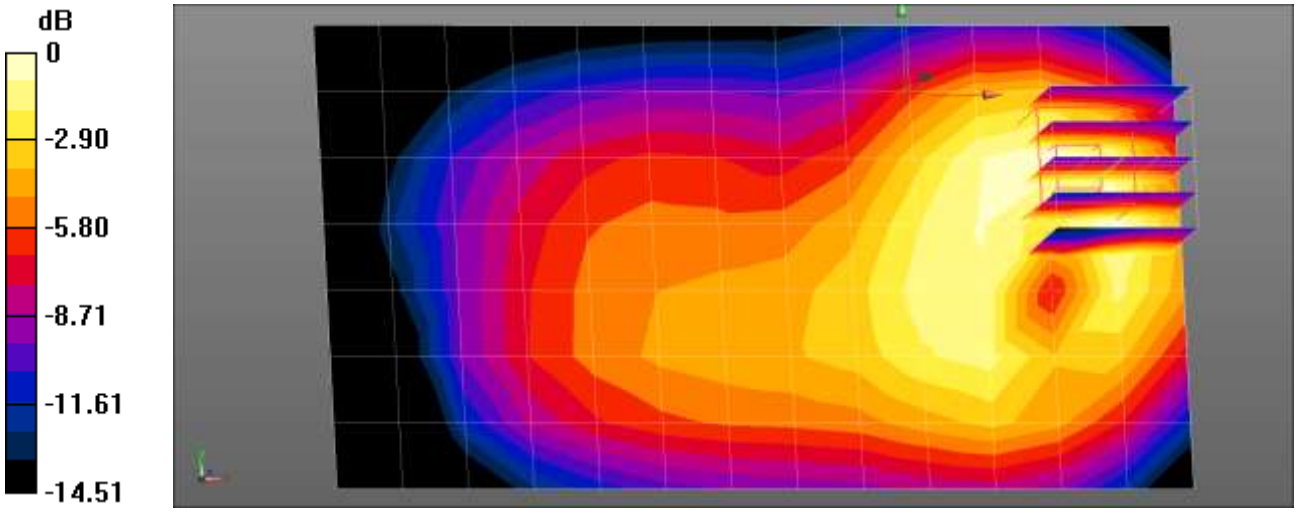
Communication System: UID 0, WCDMA850 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.963 S/m; ε_r = 56.257; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.97, 5.97, 5.97) @ 836.6 MHz; Calibrated: 2019-07-23
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA B5 Body Rear 4183ch/Area Scan (14x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.478 W/kg

WCDMA B5 Body Rear 4183ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.20 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.653 W/kg
SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.264 W/kg
Maximum value of SAR (measured) = 0.496 W/kg



0 dB = 0.496 W/kg = −3.05 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.7 ℃
Ambient Temperature:	19.9 ℃
Test Date:	12/09/2019
Plot No.:	37

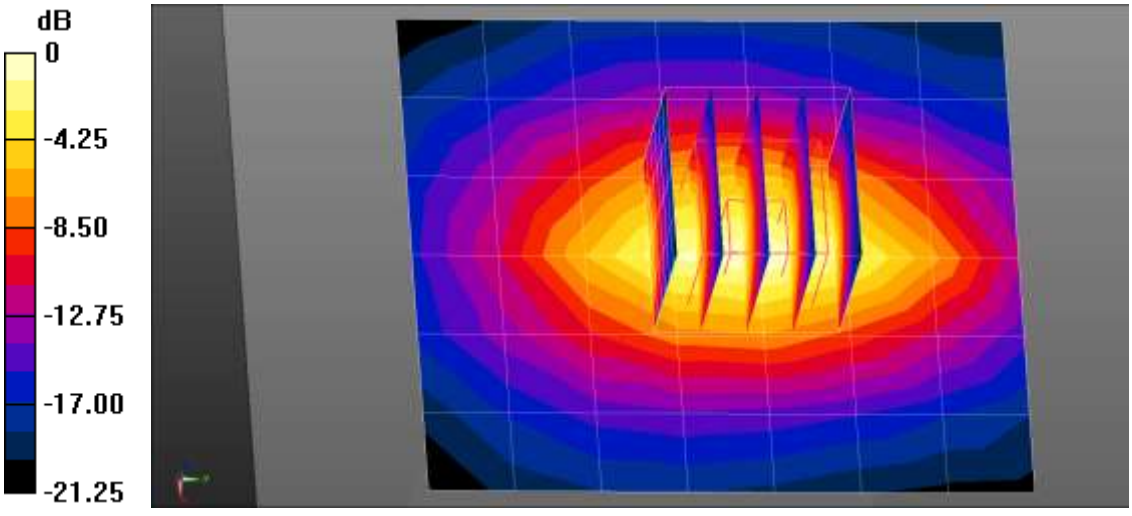
Communication System: UID 0, WCDMA 1700 (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.439 S/m; ε_r = 54.765; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.37, 8.37, 8.37) @ 1752.6 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA 4 Body Bottom 1513ch/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.835 W/kg

WCDMA 4 Body Bottom 1513ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.28 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.968 W/kg
SAR(1 g) = 0.574 W/kg; SAR(10 g) = 0.314 W/kg
Maximum value of SAR (measured) = 0.833 W/kg



0 dB = 0.835 W/kg = −0.78 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.7 ℃
Ambient Temperature:	19.9 ℃
Test Date:	12/09/2019
Plot No.:	38

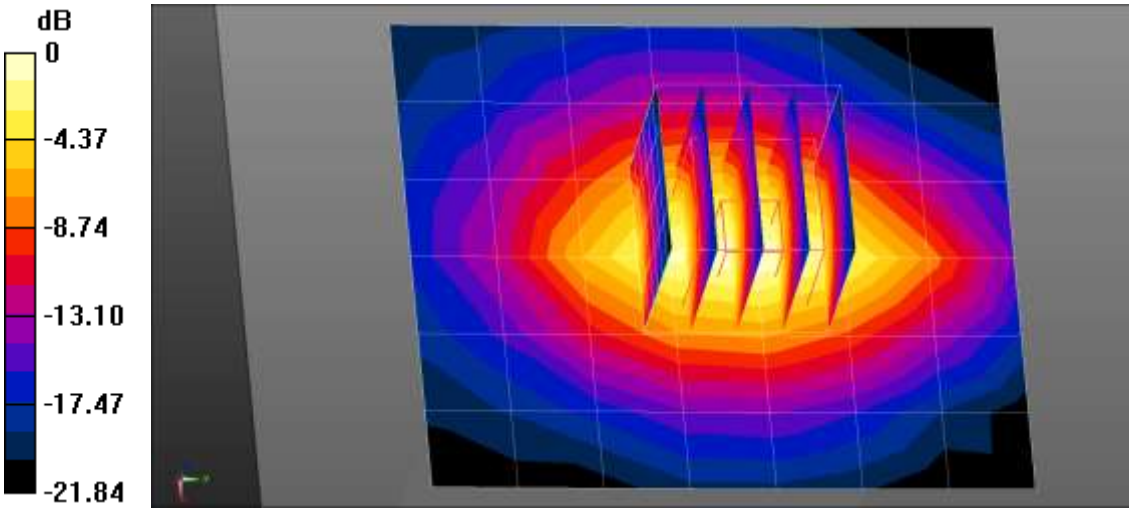
Communication System: UID 0, WCDMA1900 (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1907.6 MHz; σ = 1.537 S/m; ε_r = 53.567; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1907.6 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA 2 Body Bottom 9538ch/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.09 W/kg

WCDMA 2 Body Bottom 9538ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.31 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.398 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.09 W/kg = 0.36 dBW/kg

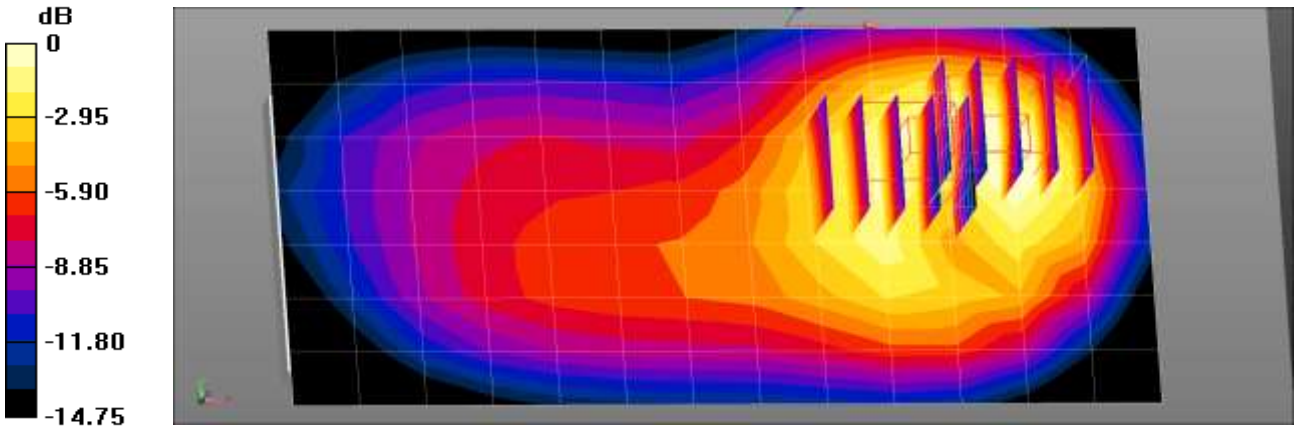
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/11/2019
Plot No.:	39

Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.963 S/m; ε_r = 56.416; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.23, 10.23, 10.23) @ 836.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- easurement SW: DASY52, Version 52.8 (8);

LTE band 5 Body Rear QPSK 10MHz 1RB 0offset 20525ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.850 W/kg
LTE band 5 Body Rear QPSK 10MHz 1RB 0offset 20525ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.22 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.373 W/kg
Maximum value of SAR (measured) = 0.882 W/kg
LTE band 5 Body Rear QPSK 10MHz 1RB 0offset 20525ch/Zoom Scan (5x5x7)/Cube 1:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.22 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.892 W/kg
SAR(1 g) = 0.548 W/kg; SAR(10 g) = 0.329 W/kg
Maximum value of SAR (measured) = 0.773 W/kg



0 dB = 0.773 W/kg = −1.12 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/12/2019
Plot No.:	40

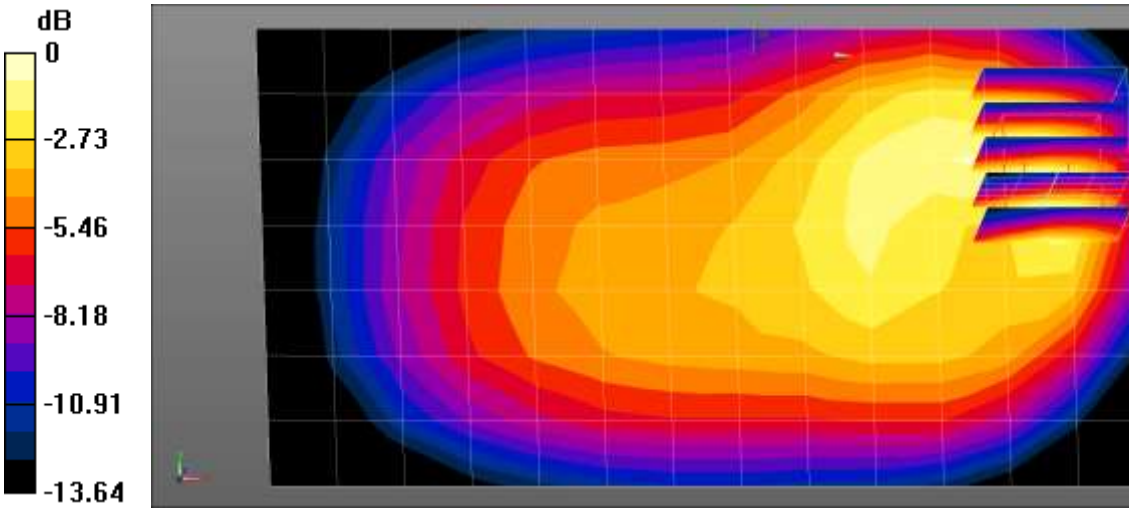
Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.925 S/m; ε_r = 56.691; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.41, 10.41, 10.41) @ 707.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 12 Body Rear QPSK 10MHz 1RB 0offset 23095ch/Area Scan (14x8x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.367 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 = 14.38 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.504 W/kg
SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.173 W/kg
Maximum value of SAR (measured) = 0.422 W/kg



0 dB = 0.422 W/kg = −3.75 dBW/kg

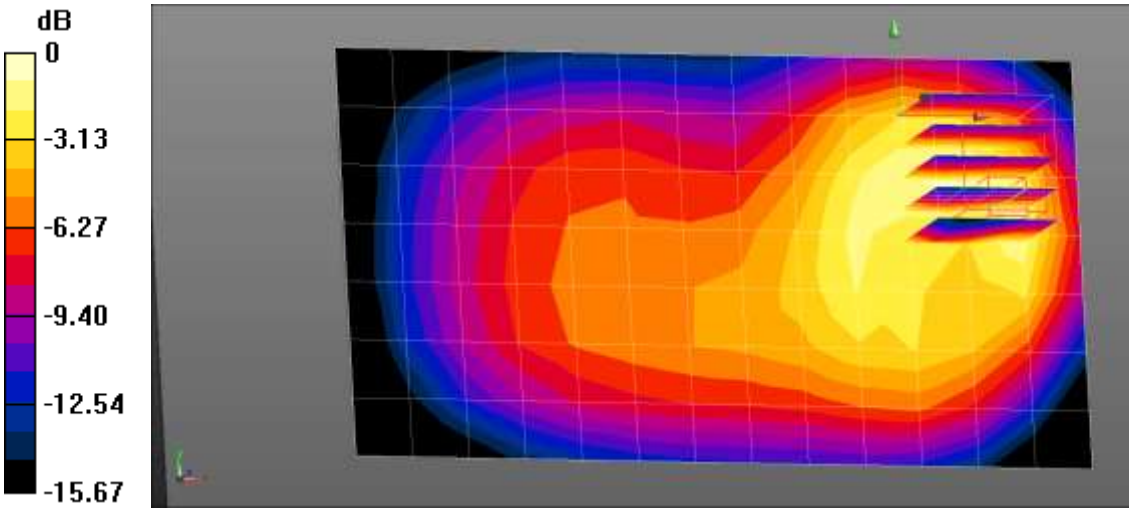
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/12/2019
Plot No.:	41

Communication System: UID 0, LTE Band 13 (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.999 S/m; ε_r = 55.929; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.41, 10.41, 10.41) @ 782 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 13 Body Rear QPSK 10MHz 1RB 24offset 23230ch/Area Scan (14x8x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.589 W/kg
LTE Band 13 Body Rear QPSK 10MHz 1RB 24offset 23230ch/Zoom Scan (5x5x7)/Cube 0:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.11 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.460 W/kg; SAR(10 g) = 0.264 W/kg
Maximum value of SAR (measured) = 0.658 W/kg



0 dB = 0.658 W/kg = −1.82 dBW/kg

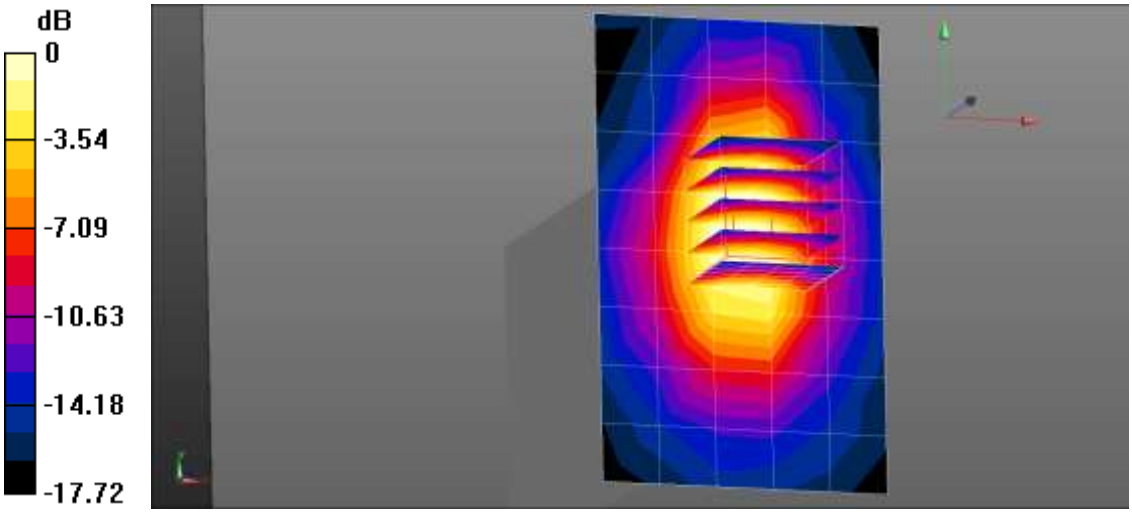
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	18.5 ℃
Ambient Temperature:	18.7 ℃
Test Date:	12/10/2019
Plot No.:	42

Communication System: UID 0, LTE Band 25 (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.514 S/m; ε_r = 53.581; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1882.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 25 Body Bottom QPSK 20MHz 50RB 0offset 26365ch/Area Scan (6x9x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.616 W/kg
LTE Band 25 Body Bottom QPSK 20MHz 50RB 0offset 26365ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.67 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.604 W/kg; SAR(10 g) = 0.323 W/kg
Maximum value of SAR (measured) = 0.892 W/kg



0 dB = 0.616 W/kg = −2.11 dBW/kg

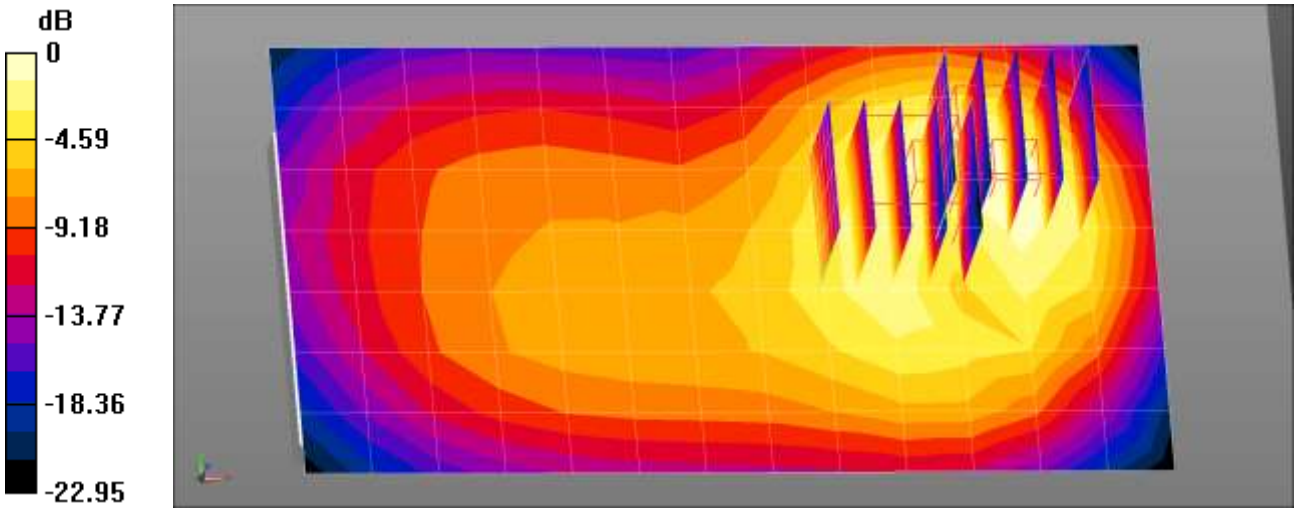
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.5 ℃
Test Date:	12/11/2019
Plot No.:	43

Communication System: UID 0, LTE Band 26 (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 831.5 MHz; σ = 0.959 S/m; ε_r = 56.465; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.23, 10.23, 10.23) @ 831.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE band 26 Body Rear QPSK 15MHz 1RB 0offset 26865ch/Area Scan (8x14x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.777 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 = 13.35 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.959 W/kg
SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.336 W/kg
Maximum value of SAR (measured) = 0.813 W/kg
LTE band 26 Body Rear QPSK 15MHz 1RB 0offset 26865ch/Zoom Scan (5x5x7)/Cube 1:
Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.35 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.817 W/kg
SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.293 W/kg.
Maximum value of SAR (measured) = 0.707 W/kg



0 dB = 0.777 W/kg = −1.10 dBW/kg

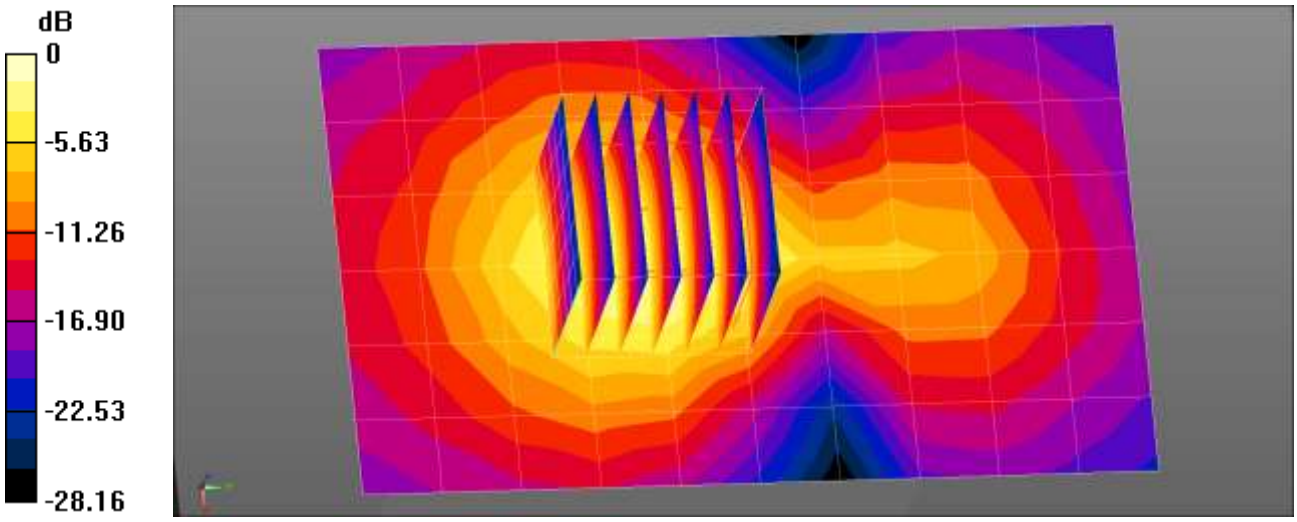
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	12/28/2019
Plot No.:	44

Communication System: UID 0, LTE Band41 (0); Frequency: 2593 MHz;Duty Cycle: 1:1.58052
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.114 S/m; ε_r = 53.276; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.49, 7.49, 7.49) @ 2593 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2019-04-17
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

LTE Band41 Body Bottom QPSK 20MHz 1RB 0offset 40620ch/Area Scan (7x11x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.40 W/kg
LTE Band41 Body Bottom QPSK 20MHz 1RB 0offset 40620ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.57 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.395 W/kg
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.40 W/kg = 1.45 dBW/kg

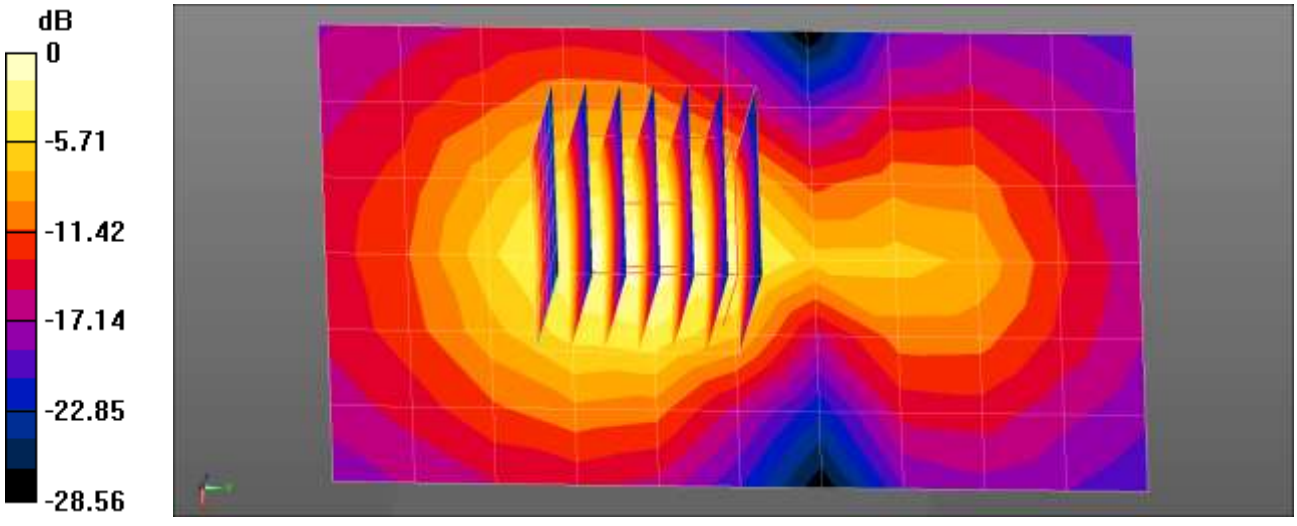
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	12/28/2019
Plot No.:	45

Communication System: UID 0, LTE Band41 (0); Frequency: 2593 MHz;Duty Cycle: 1:1.58052
Medium parameters used (interpolated): f = 2593 MHz; σ = 2.114 S/m; ε_r = 53.276; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.49, 7.49, 7.49) @ 2593 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2019-04-17
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

LTE Band41 Body Bottom QPSK 20MHz 50RB 0offset 40620ch/Area Scan (7x11x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 1.39 W/kg
LTE Band41 Body Bottom QPSK 20MHz 50RB 0offset 40620ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.69 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.841 W/kg; SAR(10 g) = 0.396 W/kg
Maximum value of SAR (measured) = 1.37 W/kg



0 dB = 1.39 W/kg = 1.44 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	18.5 ℃
Ambient Temperature:	18.7 ℃
Test Date:	12/10/2019
Plot No.:	46

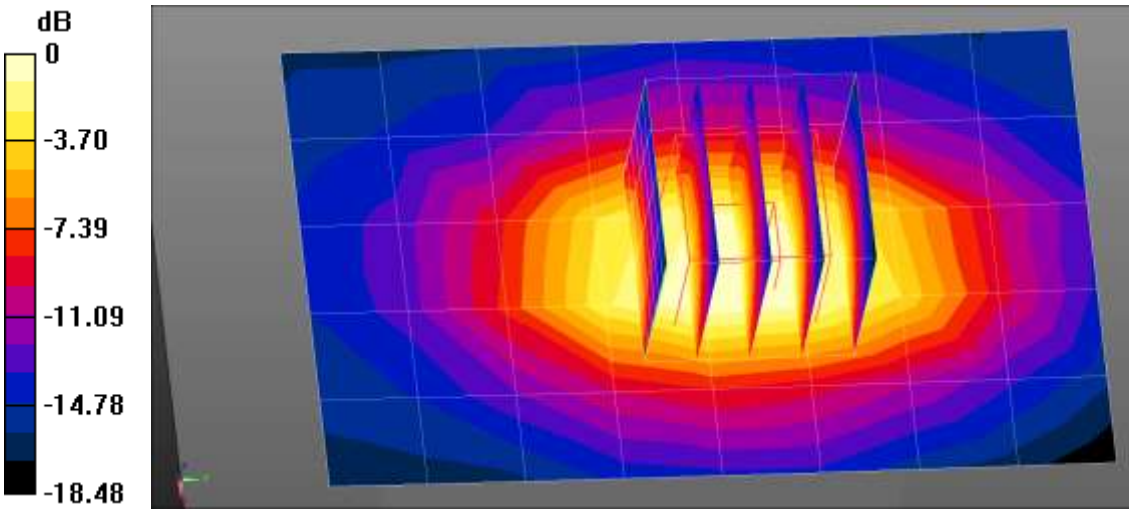
Communication System: UID 0, LTE Band 66 (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; σ = 1.412 S/m; ε_r = 55.041; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.37, 8.37, 8.37) @ 1720 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 66 Body Bottom QPSK 20MHz 50RB 49offset 132072ch/Area Scan (6x9x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.533 W/kg

LTE Band 66 Body Bottom QPSK 20MHz 50RB 49offset 132072ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.30 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.861 W/kg
SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.280 W/kg
Maximum value of SAR (measured) = 0.746 W/kg



0 dB = 0.533 W/kg = −2.74 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.3 ℃
Test Date:	01/08/2020
Plot No.:	47

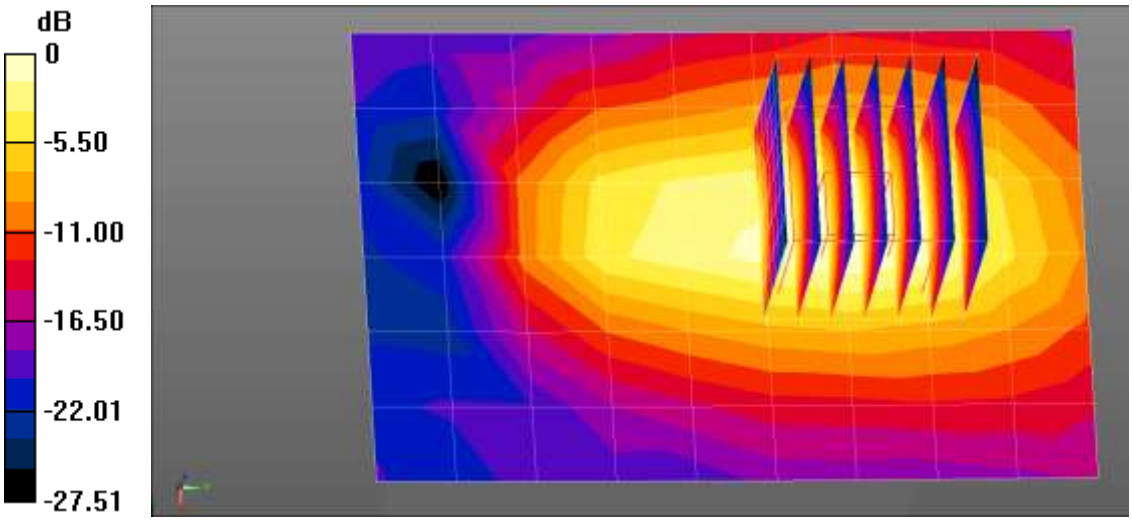
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.899 S/m; ε_r = 53.832; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74) @ 2412 MHz; Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: MFP_V5.1C_20171020
- Measurement SW: DASY52, Version 52.10 (2);

802.11b Body Top 1Mbps 1ch/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.530 W/kg

802.11b Body Top 1Mbps 1ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.53 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.871 W/kg
SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.215 W/kg
Maximum value of SAR (measured) = 0.712 W/kg



0 dB = 0.530 W/kg = −2.76 dBW/kg

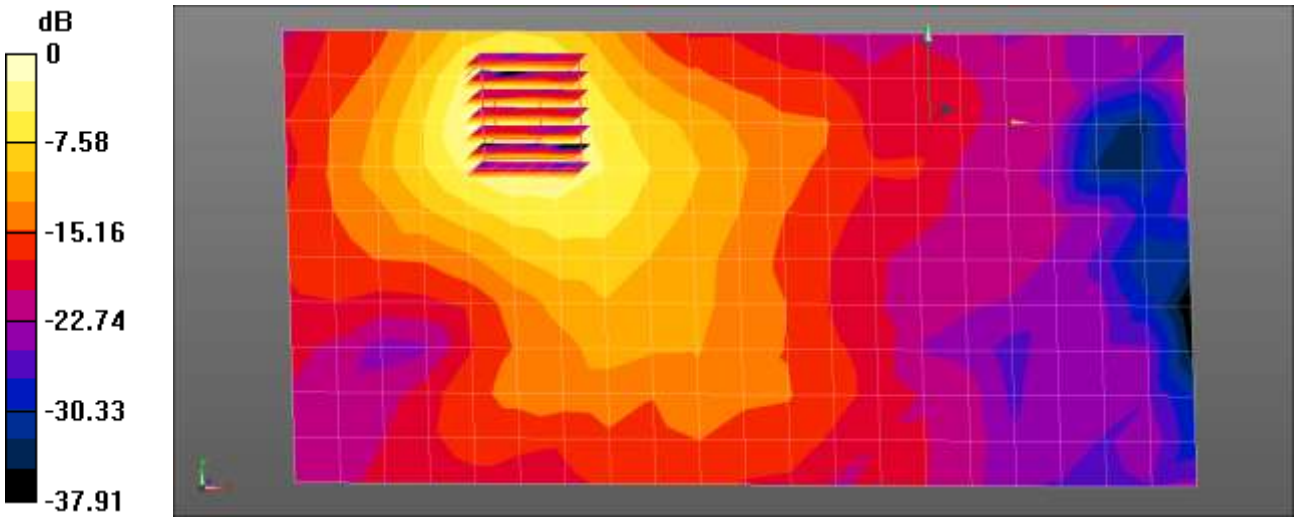
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	01/12/2020
Plot No.:	48

Communication System: UID 0, WIFI 5GHz UNII3 (0); Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 6.056 S/m; ε_r = 46.709; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(4.52, 4.52, 4.52) @ 5785 MHz; Calibrated: 2019-09-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2019-01-25
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

802.11n20 Body Rear MCS8 157ch MIMO/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.42 W/kg
802.11n20 Body Rear MCS8 157ch MIMO/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 3.867 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 4.04 W/kg
SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.364 W/kg
Maximum value of SAR (measured) = 2.35 W/kg



0 dB = 2.42 W/kg = 3.84 dBW/kg

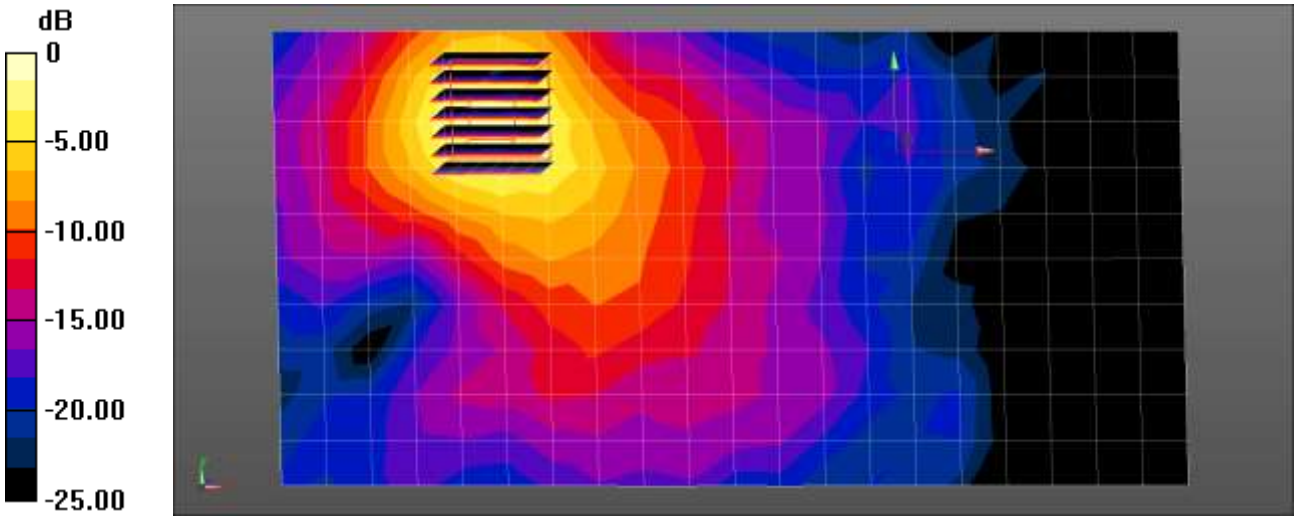
Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	01/12/2020
Plot No.:	49

Communication System: UID 0, WIFI 5GHz UNII3 (0); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 6.06 S/m; ε_r = 46.351; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(4.52, 4.52, 4.52) @ 5745 MHz; Calibrated: 2019-09-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2019-01-25
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

802.11n20 Body Rear MCS8 149ch MIMO/Area Scan (21x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.26 W/kg
802.11n20 Body Rear MCS8 149ch MIMO/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.736 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 3.97 W/kg
SAR(1 g) = 0.990 W/kg; SAR(10 g) = 0.368 W/kg
Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 2.33 W/kg = 3.67 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	01/12/2020
Plot No.:	50

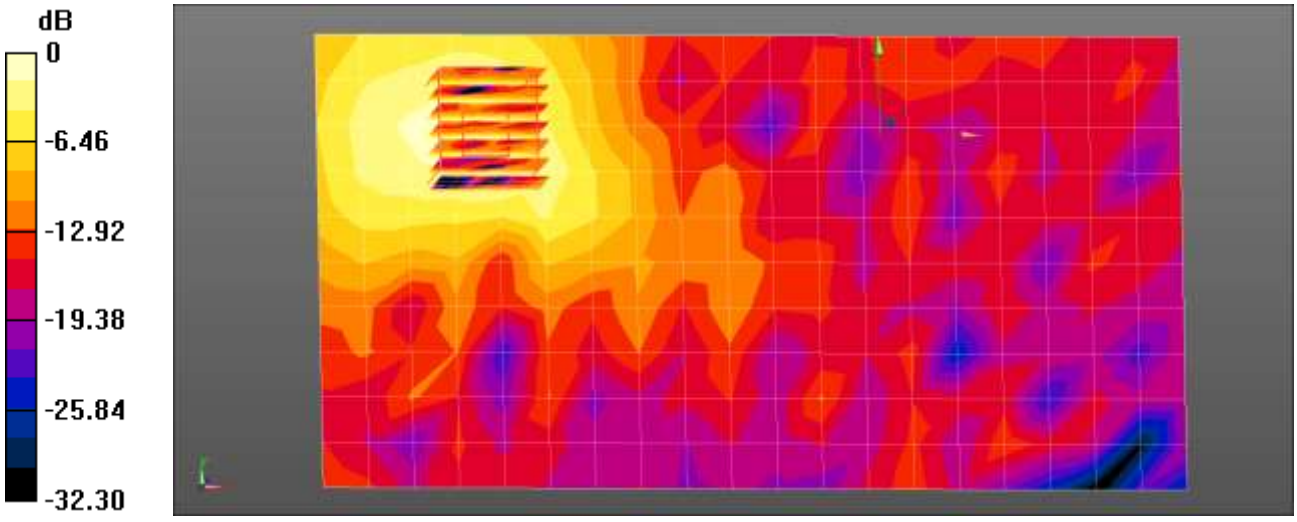
Communication System: UID 0, WIFI 5GHz UNII3 (0); Frequency: 5775 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5775 MHz; σ = 6.161 S/m; ε_r = 46.801; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968;; Calibrated: 2019-09-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2019-01-25
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

802.11ac80 Body Rear MCS0 155ch/Area Scan (20x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.255 W/kg

802.11ac80 Body Rear MCS0 155ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 0.6970 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.041 W/kg
Maximum value of SAR (measured) = 0.295 W/kg



0 dB = 0.255 W/kg = −5.93 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	21.0 ℃
Ambient Temperature:	21.1 ℃
Test Date:	12/19/2019
Plot No.:	51

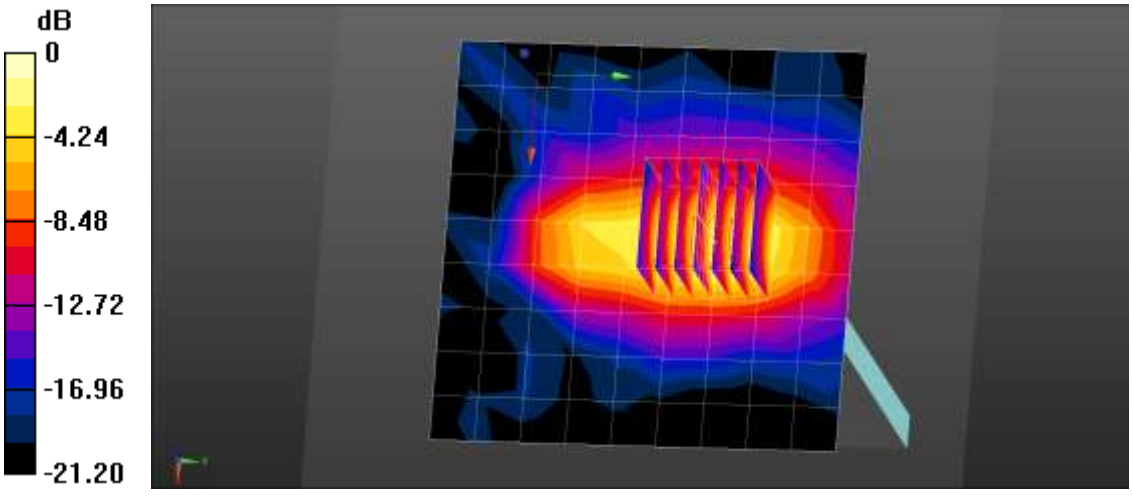
Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium parameters used (interpolated): f = 2441 MHz; σ = 1.935 S/m; ε_r = 53.67; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-05-15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: MFP_V5.1C_20171020
- Measurement SW: DASY52, Version 52.10 (2);

Bluetooth Body Top DH5 39ch/Area Scan (10x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.192 W/kg

Bluetooth Body Top DH5 39ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.104 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.292 W/kg
SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.078 W/kg
Maximum value of SAR (measured) = 0.241 W/kg



0 dB = 0.241 W/kg = −6.18 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	22.3 ℃
Ambient Temperature:	22.4 ℃
Test Date:	12/13/2019
Plot No.:	52

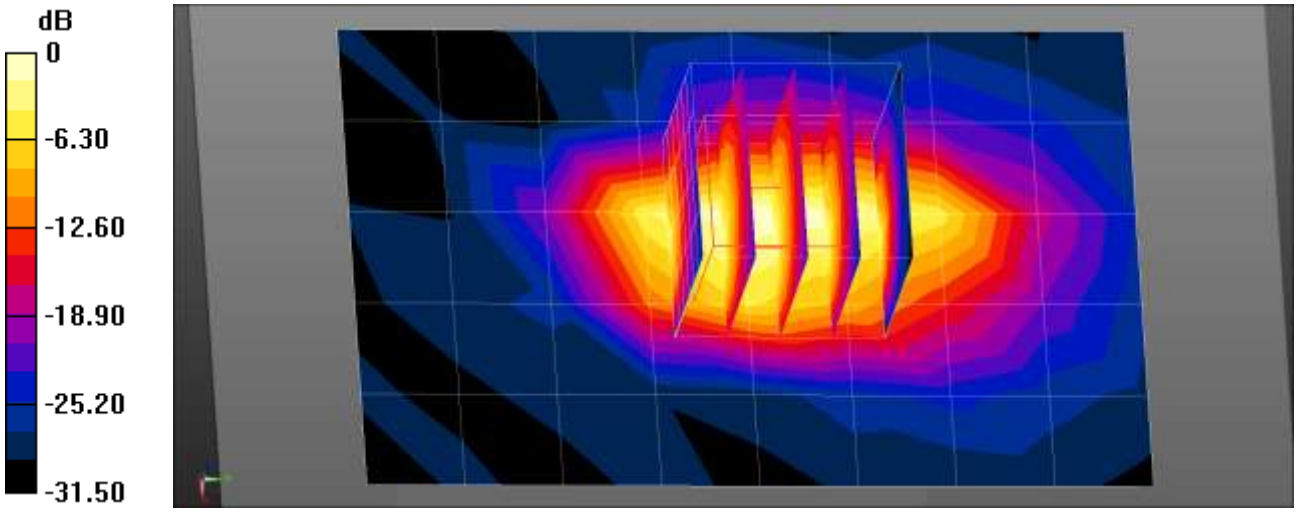
Communication System: UID 0, GSM 1900 3TX (0); Frequency: 1850.2 MHz;Duty Cycle: 1:2.77013
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.482 S/m; ε_r = 53.632; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1850.2 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

GSM1900 Body Bottom 3Tx 512ch/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.14 W/kg

GSM1900 Body Bottom 3Tx 512ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 69.69 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 9.05 W/kg
SAR(1 g) = 4.36 W/kg; SAR(10 g) = 1.91 W/kg
Maximum value of SAR (measured) = 7.54 W/kg



0 dB = 5.14 W/kg = 7.11 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.7 ℃
Ambient Temperature:	19.9 ℃
Test Date:	12/09/2019
Plot No.:	53

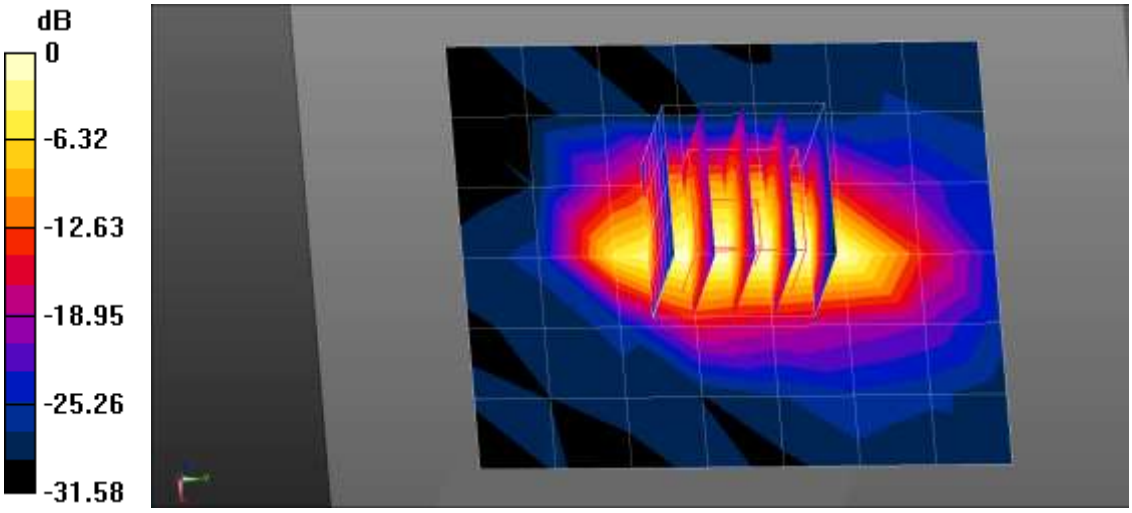
Communication System: UID 0, WCDMA 1700 (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1752.6 MHz; σ = 1.439 S/m; ε_r = 54.765; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.37, 8.37, 8.37) @ 1752.6 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA 4 Body Bottom 1513ch/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.00 W/kg

WCDMA 4 Body Bottom 1513ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 57.20 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 5.71 W/kg
SAR(1 g) = 2.77 W/kg; SAR(10 g) = 1.24 W/kg
Maximum value of SAR (measured) = 4.87 W/kg



0 dB = 4.00 W/kg = 6.02 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.7 ℃
Ambient Temperature:	19.9 ℃
Test Date:	12/09/2019
Plot No.:	54

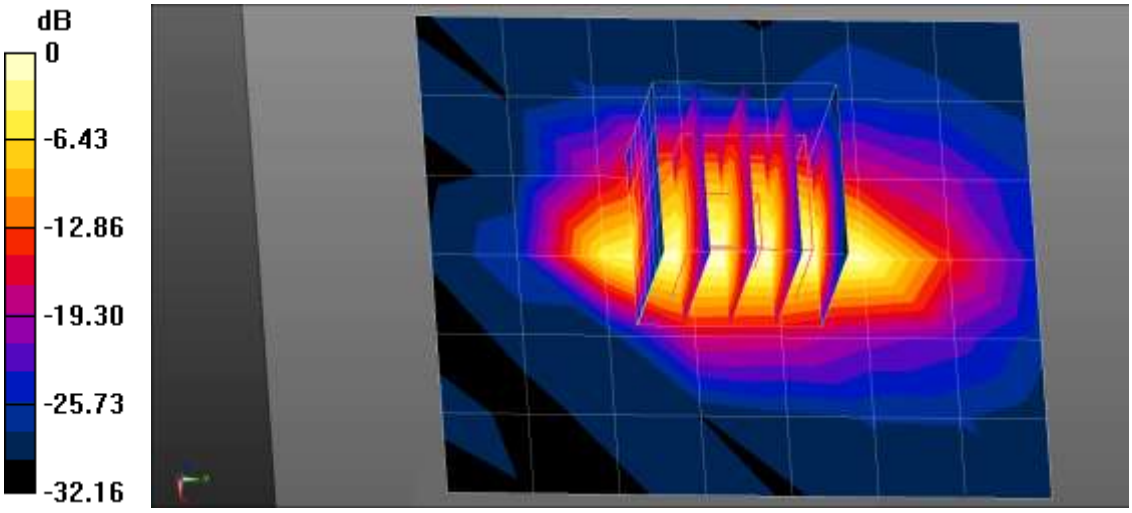
Communication System: UID 0, WCDMA1900 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.514 S/m; ε_r = 53.556; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1880 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

WCDMA 2 Body Bottom 9400ch/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.75 W/kg

WCDMA 2 Body Bottom 9400ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 59.99 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 6.77 W/kg
SAR(1 g) = 3.21 W/kg; SAR(10 g) = 1.41 W/kg
Maximum value of SAR (measured) = 5.71 W/kg



0 dB = 4.75 W/kg = 6.77 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.2 ℃
Test Date:	12/03/2019
Plot No.:	55

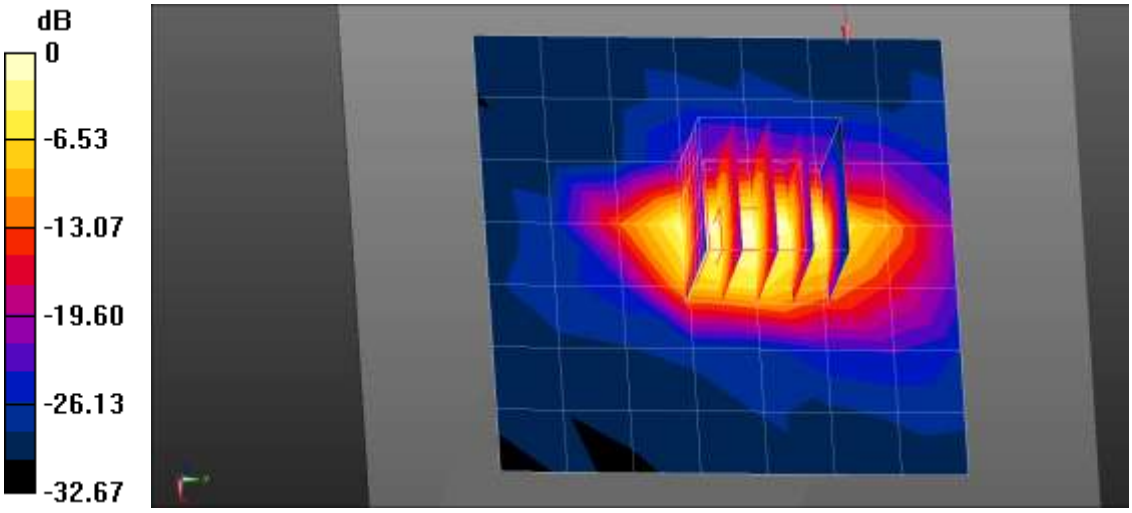
Communication System: UID 0, LTE Band 25 (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1860 MHz; σ = 1.49 S/m; ε_r = 53.648; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1860 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 25 Body Bottom QPSK 20MHz 50RB 0offset 26140ch/Area Scan (8x8x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.01 W/kg

LTE Band 25 Body Bottom QPSK 20MHz 50RB 0offset 26140ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 62.02 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 7.46 W/kg
SAR(1 g) = 3.51 W/kg; SAR(10 g) = 1.54 W/kg
Maximum value of SAR (measured) = 5.77 W/kg



0 dB = 4.01 W/kg = 6.03 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	18.5 ℃
Ambient Temperature:	18.7 ℃
Test Date:	12/10/2019
Plot No.:	56

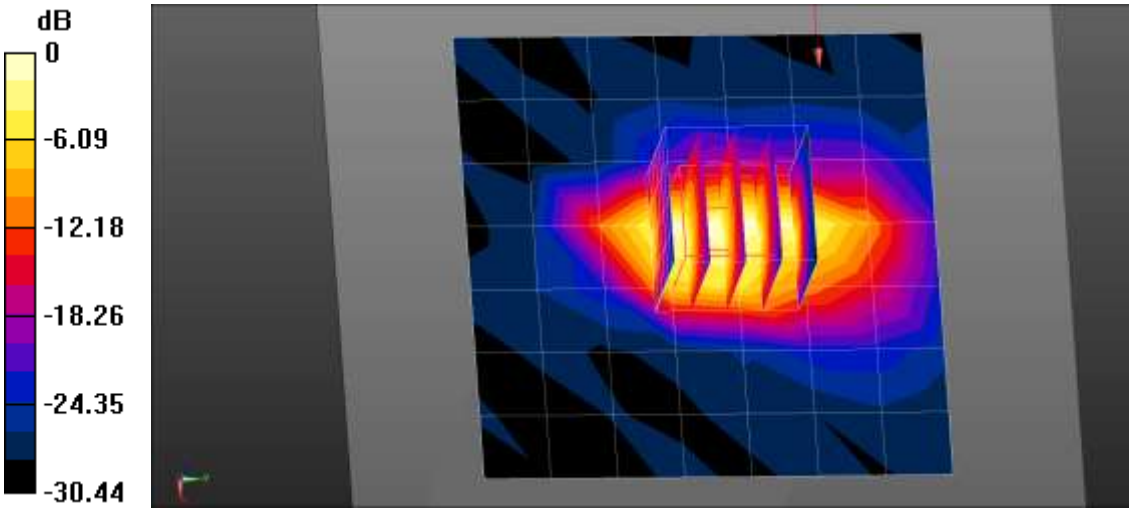
Communication System: UID 0, LTE Band 25 (0); Frequency: 1905 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1905 MHz; σ = 1.531 S/m; ε_r = 53.565; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) @ 1905 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 25 Body Bottom QPSK 20MHz 1RB 0offset 26590ch/Area Scan (8x8x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.72 W/kg

LTE Band 25 Body Bottom QPSK 20MHz 1RB 0offset 26590ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 62.65 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 7.41 W/kg
SAR(1 g) = 3.48 W/kg; SAR(10 g) = 1.5 W/kg
Maximum value of SAR (measured) = 6.13 W/kg



0 dB = 3.72 W/kg = 5.71 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	12/28/2019
Plot No.:	57

Communication System: UID 0, LTE Band41 (0); Frequency: 2549.5 MHz;Duty Cycle: 1:1.58052
Medium parameters used: f = 2550 MHz; σ = 2.063 S/m; ε_r = 53.346; ρ = 1000 kg/m^3
Phantom section: Center Section

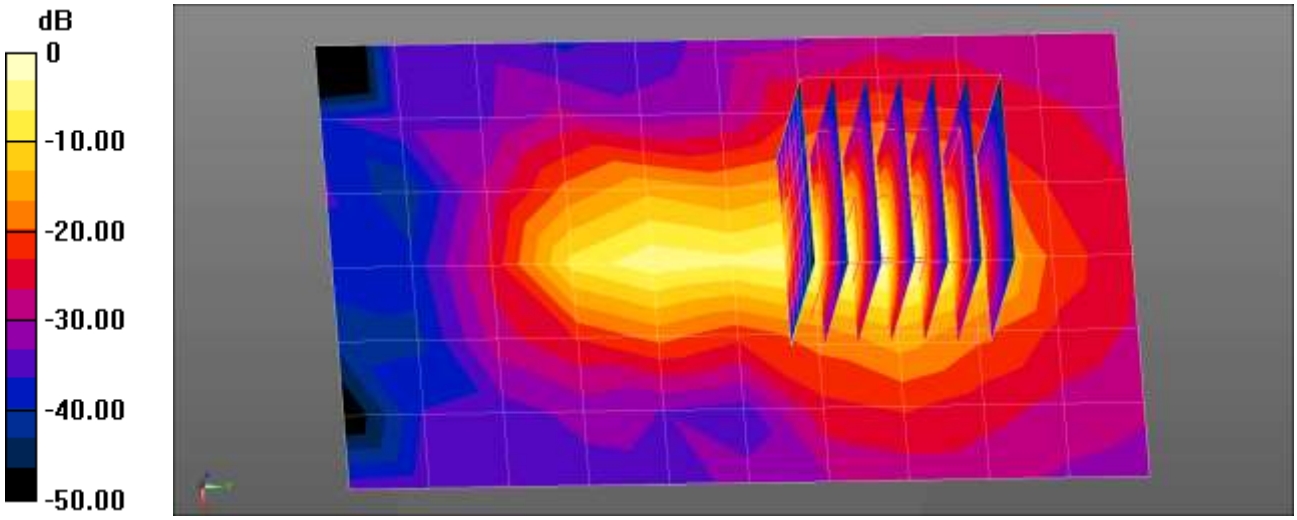
DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.49, 7.49, 7.49) @ 2549.5 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2019-04-17
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

LTE Band41 Body Bottom QPSK 20MHz 1RB 0offset 40185ch/Area Scan (7x11x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 9.39 W/kg

LTE Band41 Body Bottom QPSK 20MHz 1RB 0offset 40185ch/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 35.82 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 13.3 W/kg
SAR(1 g) = 4.07 W/kg; SAR(10 g) = 1.27 W/kg

Maximum value of SAR (measured) = 9.28 W/kg



0 dB = 9.39 W/kg = 9.73 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	18.5 ℃
Ambient Temperature:	18.7 ℃
Test Date:	12/10/2019
Plot No.:	58

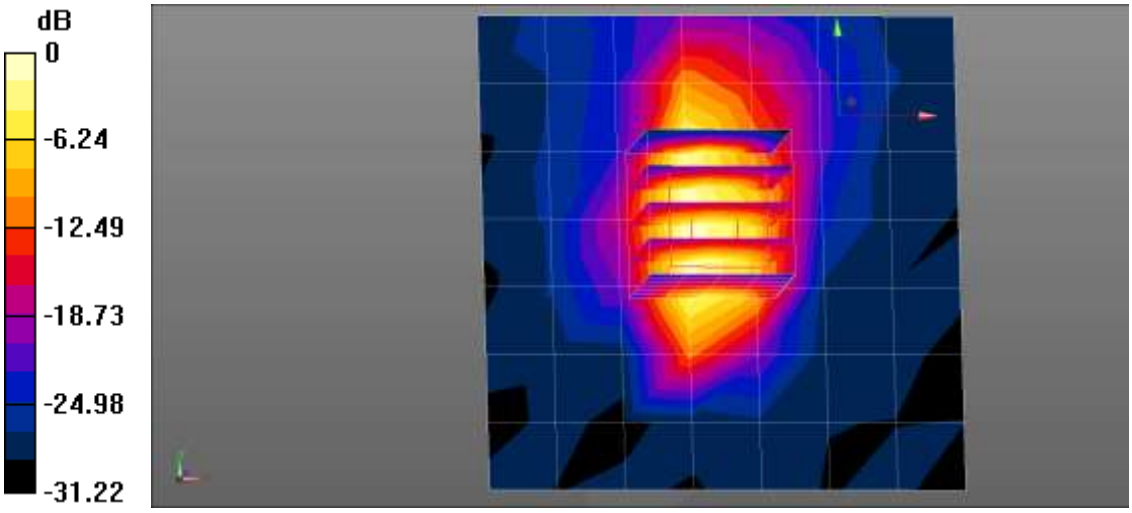
Communication System: UID 0, LTE Band 66 (0); Frequency: 1720 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1720 MHz; σ = 1.412 S/m; ε_r = 55.041; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.37, 8.37, 8.37) @ 1720 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

LTE Band 66 Body Bottom QPSK 20MHz 1RB 0offset 132072ch/Area Scan (8x8x1):
Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.46 W/kg

LTE Band 66 Body Bottom QPSK 20MHz 1RB 0offset 132072ch/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 60.22 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 6.28 W/kg
SAR(1 g) = 3.09 W/kg; SAR(10 g) = 1.39 W/kg
Maximum value of SAR (measured) = 5.11 W/kg



0 dB = 3.46 W/kg = 5.39 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	19.6 ℃
Ambient Temperature:	19.8 ℃
Test Date:	01/12/2020
Plot No.:	59

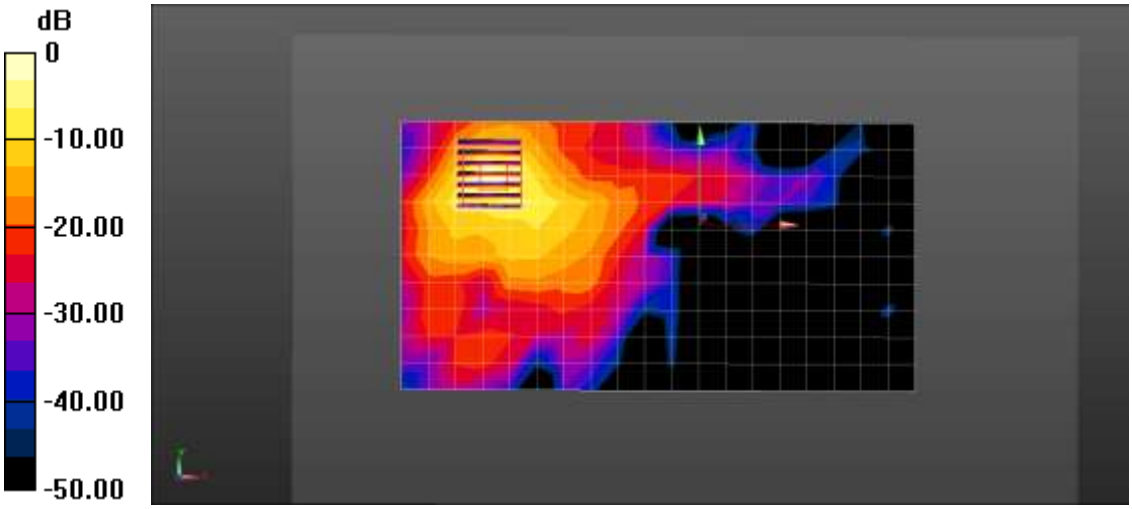
Communication System: UID 0, WIFI 5GHz (0); Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5745 MHz; σ = 6.162 S/m; ε_r = 47.365; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7370; ConvF(4.23, 4.23, 4.23); Calibrated: 2019-08-29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.8 (8);

802.11n20 Body Rear MCS8 149ch/Area Scan (20x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 12.6 W/kg

802.11n20 Body Rear MCS8 149ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 0 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 31.3 W/kg
SAR(1 g) = 5.19 W/kg; SAR(10 g) = 1.12 W/kg.
Maximum value of SAR (measured) = 16.0 W/kg



0 dB = 12.6 W/kg = 11.02 dBW/kg

Test Laboratory:	HCT CO., LTD
EUT Type:	Mobile Phone
Liquid Temperature:	20.1 ℃
Ambient Temperature:	20.3 ℃
Test Date:	01/08/2020
Plot No.:	60

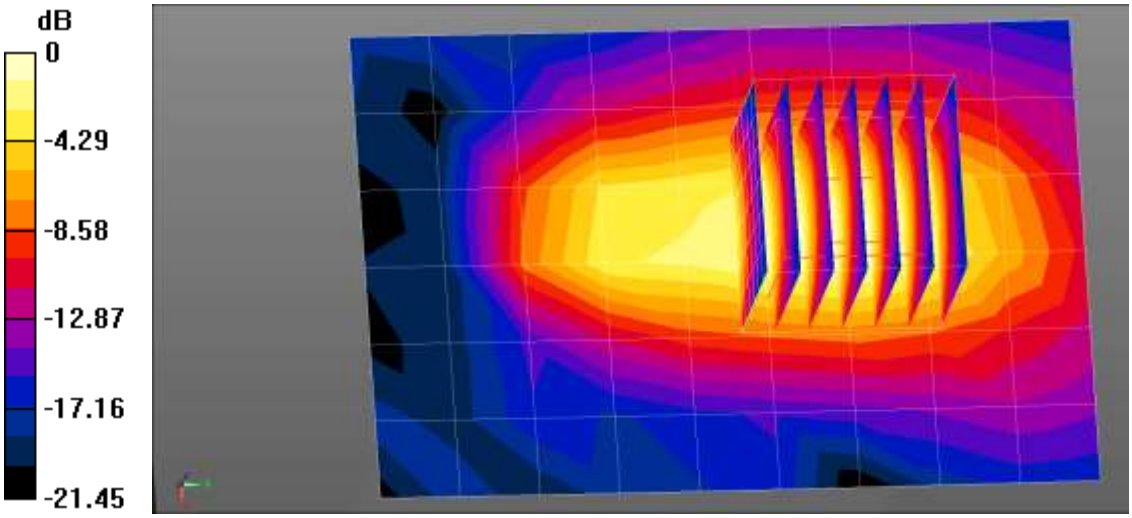
Communication System: UID 0, 2450MHz FCC (0); Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.929 S/m; ε_r = 53.696; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74) @ 2437 MHz; Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: MFP_V5.1C_20171020
- Measurement SW: DASY52, Version 52.10 (2);

802.11b Body Top 1Mbps 6ch/Area Scan (7x10x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.214 W/kg

802.11b Body Top 1Mbps 6ch/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.891 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.306 W/kg
SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.078 W/kg
Maximum value of SAR (measured) = 0.252 W/kg



0 dB = 0.214 W/kg = −6.70 dBW/kg

Attachment 2. – Dipole Verification Plots

■ Verification Data (750 ㎒ Head)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.3 ℃
Test Date:	12/12/2019

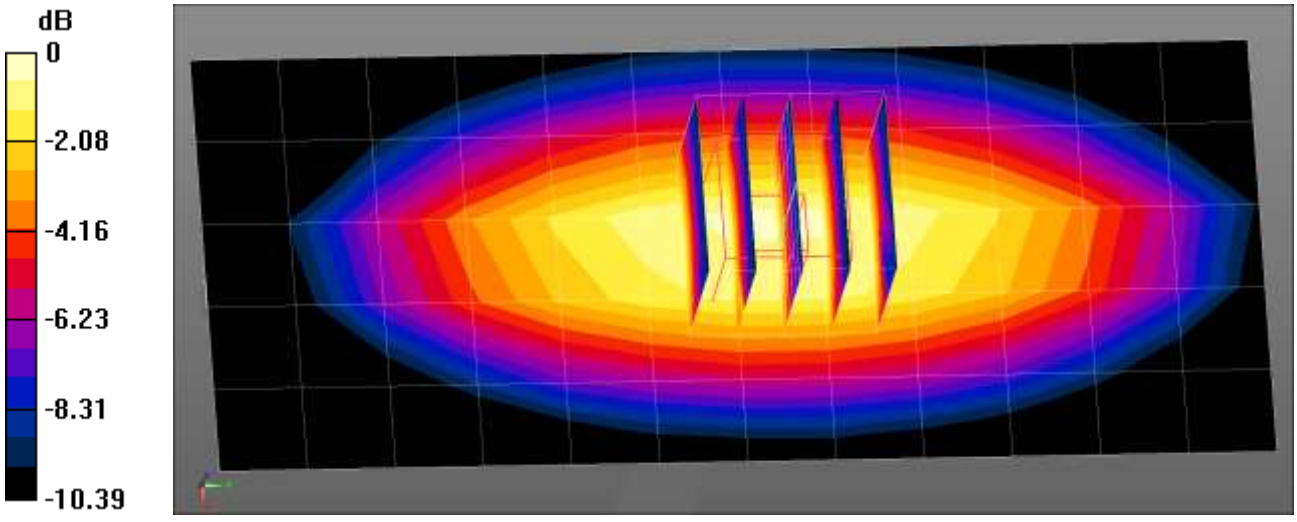
DUT: Dipole 750 MHz D750V3; Type: D750V3

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.971 S/m; ε_r = 56.267; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.41, 10.41, 10.41) @ 750 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Right
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/750MHz Head Verification/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.508 W/kg
Dipole/750MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.74 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.637 W/kg
SAR(1 g) = 0.425 W/kg; SAR(10 g) = 0.281 W/kg
Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.566 W/kg = −2.47 dBW/kg

■ **Verification Data (750 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.3 ℃
Test Date:	12/12/2019

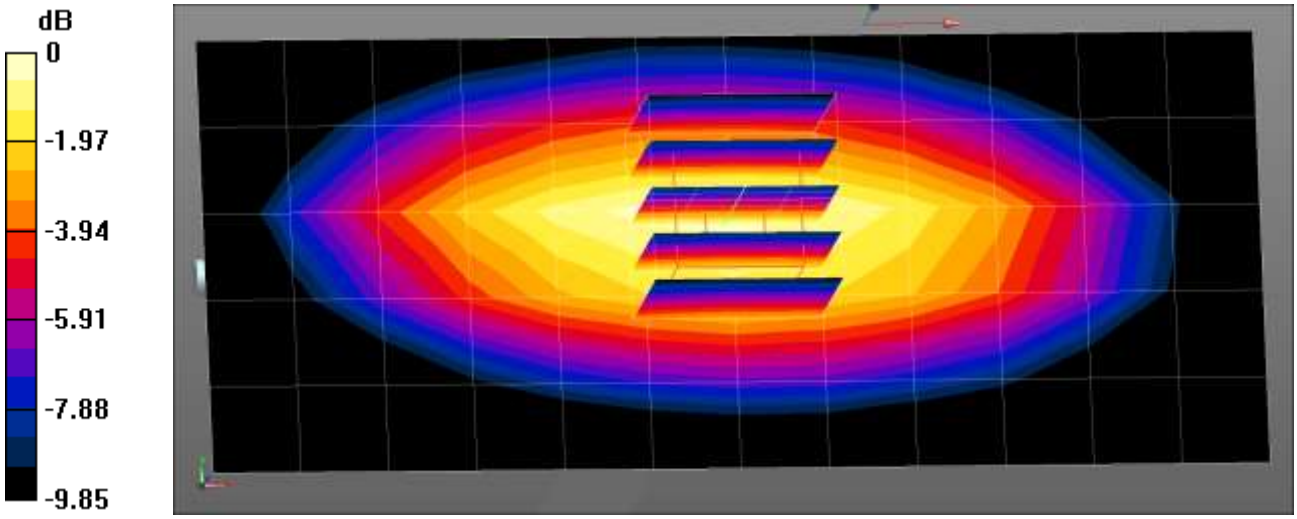
DUT: Dipole 750 MHz D750V3; Type: D750V3

Communication System: UID 0, CW (0); Frequency: 750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 750 MHz; σ = 0.971 S/m; ε_r = 56.267; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.41, 10.41, 10.41) @ 750 MHz; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/750MHz Body Verification/Area Scan (13x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.516 W/kg
Dipole/750MHz Body Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.13 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.607 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.269 W/kg
Maximum value of SAR (measured) = 0.536 W/kg



0 dB = 0.536 W/kg = −2.71 dBW/kg

■ **Verification Data (835 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.5 ℃
Test Date:	12/03/2019

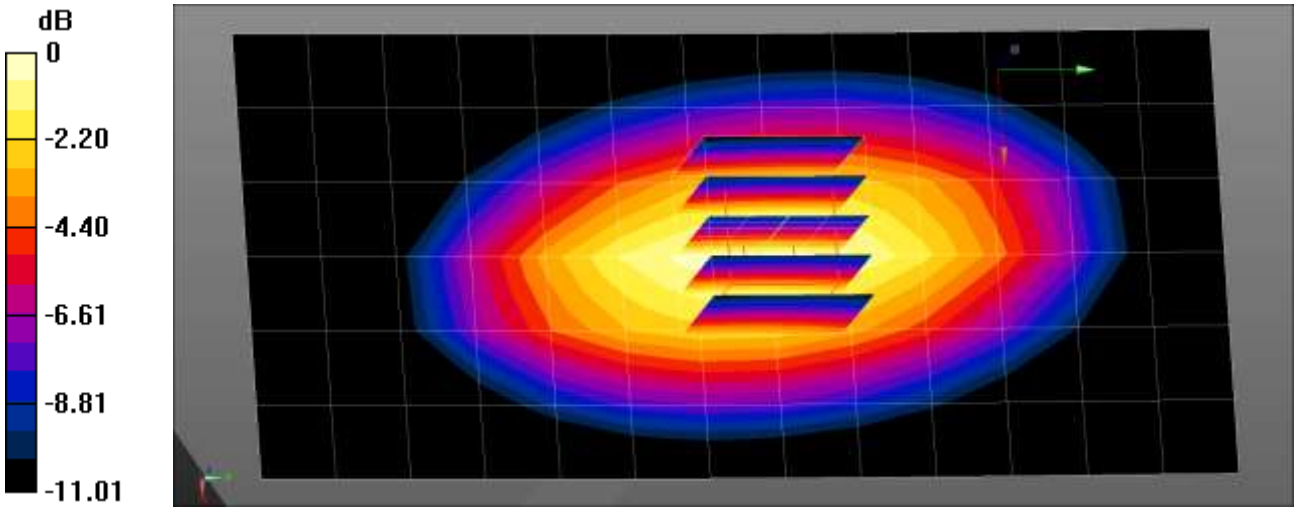
DUT: Dipole 835 MHz D835V2; Type: D835V2

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.927 S/m; ε_r = 42.329; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(6.22, 6.22, 6.22) Calibrated: 2019-07-23
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: SAM_Right_20170913
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/835MHz Head Verification/Area Scan (14x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.564 W/kg
Dipole/835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.42 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.723 W/kg
SAR(1 g) = 0.478 W/kg; SAR(10 g) = 0.309 W/kg
Maximum value of SAR (measured) = 0.564 W/kg



0 dB = 0.564 W/kg = −2.49 dBW/kg

■ **Verification Data (835 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.3 ℃
Test Date:	12/11/2019

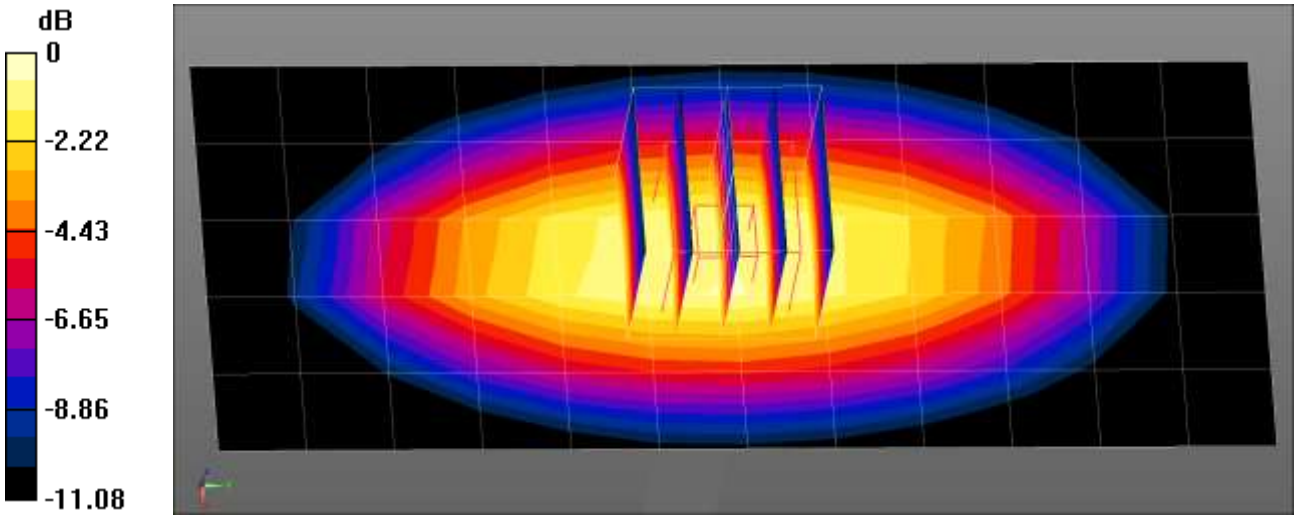
DUT: Dipole 835 MHz D835V2; Type: D835V2

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.926 S/m; ε_r = 42.352; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.24, 10.24, 10.24) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Right
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/835MHz Head Verification/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.565 W/kg
Dipole/835MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.98 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.752 W/kg
SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.314 W/kg
Maximum value of SAR (measured) = 0.660 W/kg



0 dB = 0.660 W/kg = −1.80 dBW/kg

■ **Verification Data (835 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.5℃
Test Date:	12/03/2019

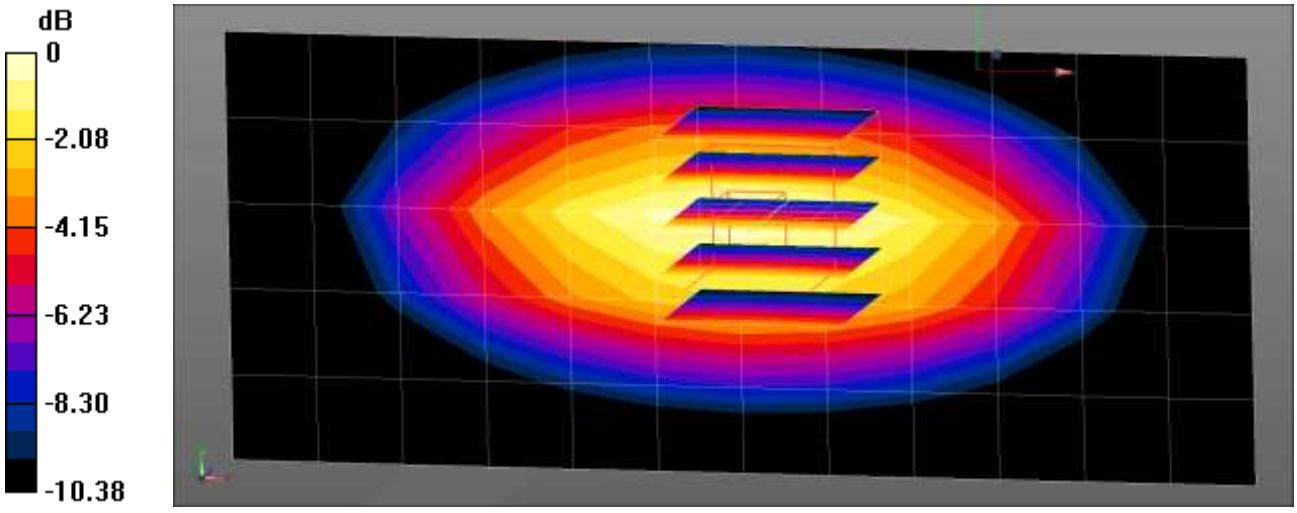
DUT: Dipole 835 MHz D835V2; Type: D835V2

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.962 S/m; ε_r = 56.285; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3076; ConvF(5.97, 5.97, 5.97) Calibrated: 2019-07-23
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/835MHz Body Verification/Area Scan (13x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.554 W/kg
Dipole/835MHz Body Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.91 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.722 W/kg
SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.317 W/kg
Maximum value of SAR (measured) = 0.569 W/kg



0 dB = 0.569 W/kg = −2.45 dBW/kg

■Verification Data (835 ㎒ Body)

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.3℃
Test Date:	12/11/2019

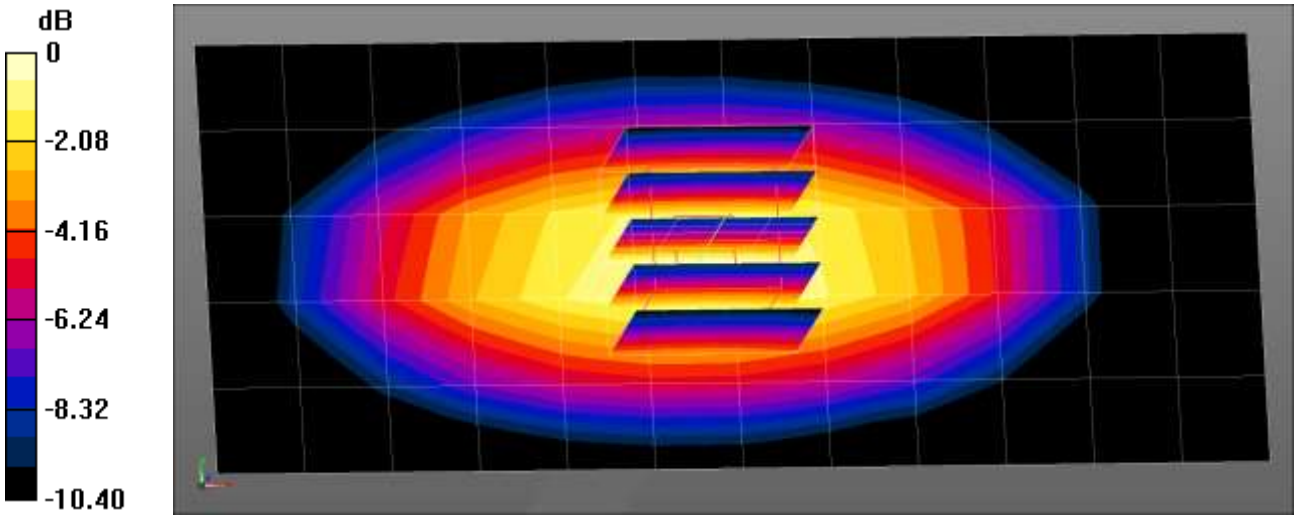
DUT: Dipole 835 MHz D835V2; Type: D835V2

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 835 MHz; σ = 0.962 S/m; ε_r = 56.431; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(10.23, 10.23, 10.23) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/835MHz Body Verification/Area Scan (13x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.517 W/kg
Dipole/835MHz Body Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.02 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.679 W/kg
SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.296 W/kg
Maximum value of SAR (measured) = 0.601 W/kg



0 dB = 0.601 W/kg = −2.21 dBW/kg

■ **Verification Data (1 800 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.1℃
Test Date:	12/03/2019

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2

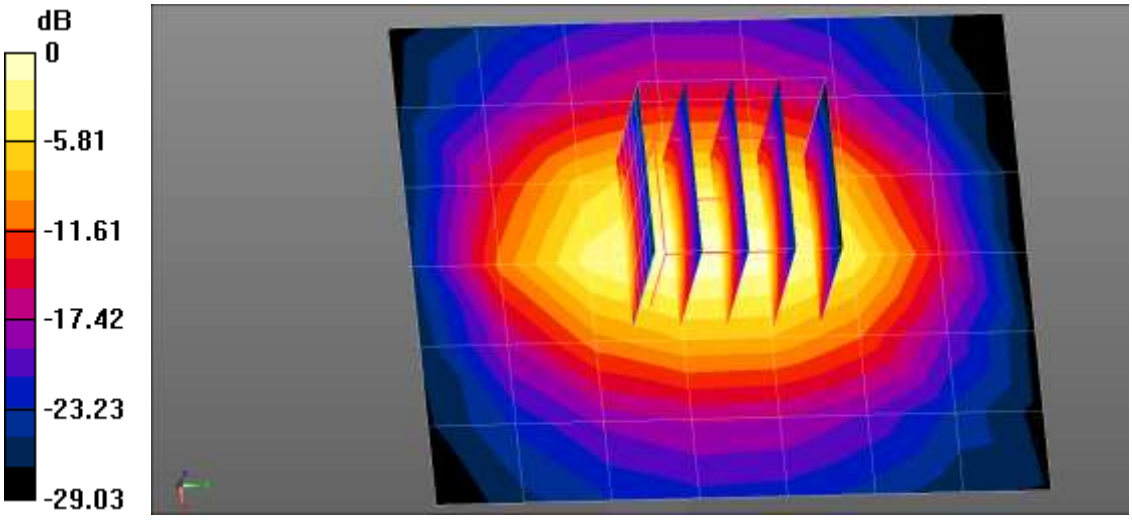
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.412 S/m; ε_r = 38.142; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.81, 8.81, 8.81) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/1800MHz Head Verification/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.69 W/kg

Dipole/1800MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.89 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 3.56 W/kg
SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1.03 W/kg
Maximum value of SAR (measured) = 2.99 W/kg



0 dB = 2.69 W/kg = 4.30 dBW/kg

■ **Verification Data (1 800 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.7℃
Test Date:	12/09/2019

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2

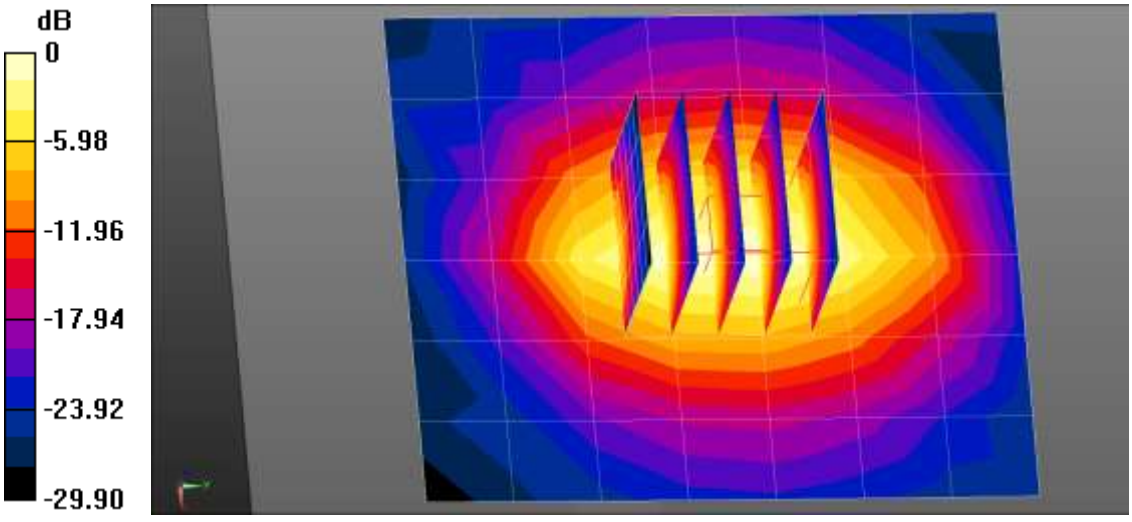
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.483 S/m; ε_r = 54.586; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.37, 8.37, 8.37) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/1800MHz Body Verification/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.77 W/kg

Dipole/1800MHz Body Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.05 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 1.93 W/kg; SAR(10 g) = 1.01 W/kg
Maximum value of SAR (measured) = 2.95 W/kg



0 dB = 2.77 W/kg = 4.42 dBW/kg

■ **Verification Data (1 800 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	18.5℃
Test Date:	12/10/2019

DUT: Dipole 1800 MHz D1800V2; Type: D1800V2

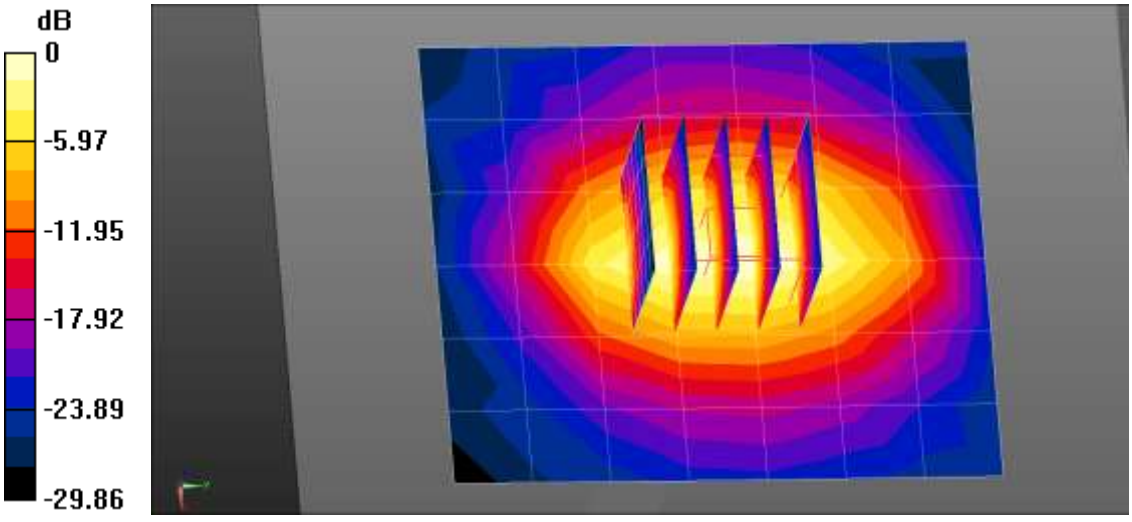
Communication System: UID 0, CW (0); Frequency: 1800 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1800 MHz; σ = 1.483 S/m; ε_r = 54.797; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.37, 8.37, 8.37) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/1800MHz Body Verification/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.76 W/kg

Dipole/1800MHz Body Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.11 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 1.93 W/kg; SAR(10 g) = 1.01 W/kg
Maximum value of SAR (measured) = 2.95 W/kg



0 dB = 2.76 W/kg = 4.40 dBW/kg

■ **Verification Data (1 900 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.3℃
Test Date:	12/13/2019

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2

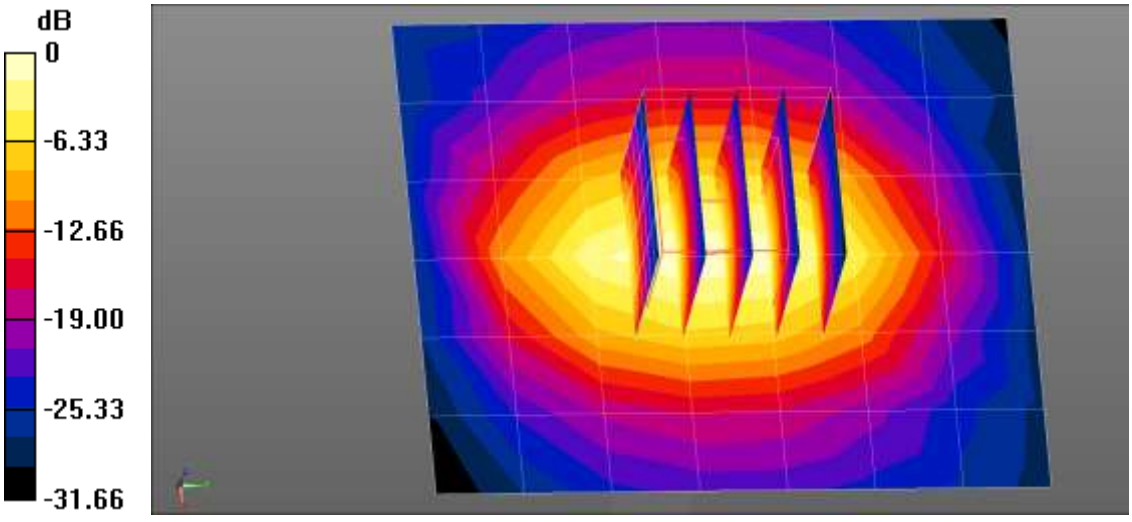
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.397 S/m; ε_r = 39.063; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.49, 8.49, 8.49) ; Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/1900MHz Head Verification/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.95 W/kg

Dipole/1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.53 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 3.71 W/kg
SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1.01 W/kg
Maximum value of SAR (measured) = 3.06 W/kg



0 dB = 2.95 W/kg = 4.70 dBW/kg

■ **Verification Data (1 900 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.1℃
Test Date:	12/03/2019

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2

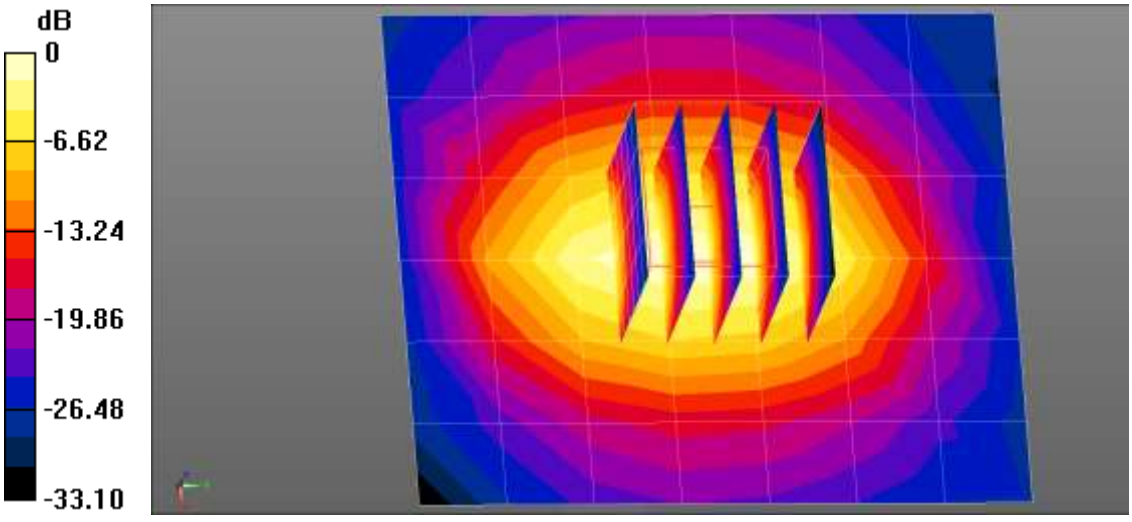
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.409 S/m; ε_r = 38.318; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.49, 8.49, 8.49) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: SAM with CRP v5.0_Front
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/1900MHz Head Verification/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.96 W/kg

Dipole/1900MHz Head Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.27 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.72 W/kg
SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.02 W/kg
Maximum value of SAR (measured) = 3.08 W/kg



0 dB = 2.96 W/kg = 4.72 dBW/kg

■ **Verification Data (1 900 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	22.3℃
Test Date:	12/13/2019

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2

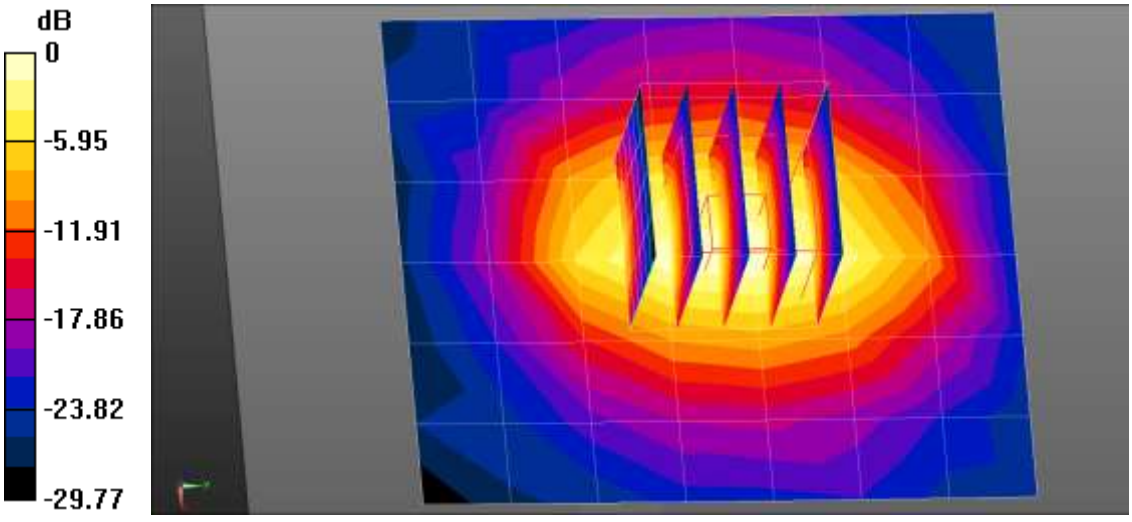
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.526 S/m; ε_r = 53.55; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/1900MHz Body Verification/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.63 W/kg

Dipole/1900MHz Body Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 43.08 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 1.86 W/kg; SAR(10 g) = 0.955 W/kg
Maximum value of SAR (measured) = 2.91 W/kg



0 dB = 2.63 W/kg = 4.20 dBW/kg

■ **Verification Data (1 900 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.7℃
Test Date:	12/09/2019

DUT: Dipole 1900 MHz D1900V2; Type: D1900V2

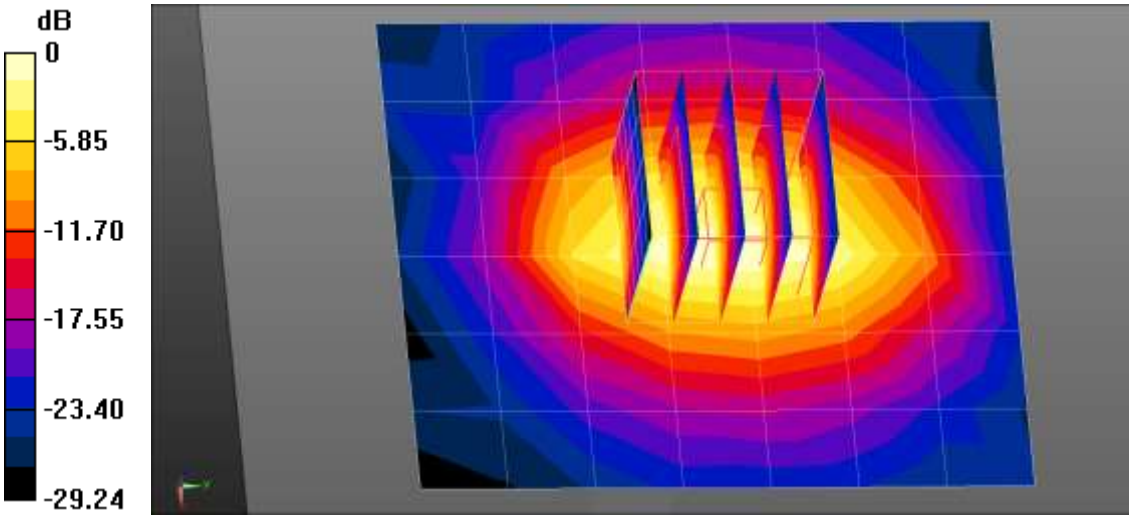
Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.526 S/m; ε_r = 53.502; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/1900MHz Body Verification/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.65 W/kg

Dipole/1900MHz Body Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 43.08 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 1.87 W/kg; SAR(10 g) = 0.960 W/kg
Maximum value of SAR (measured) = 2.92 W/kg



0 dB = 2.65 W/kg = 4.24 dBW/kg

■ **Verification Data (1 900 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	18.5℃
Test Date:	12/10/2019

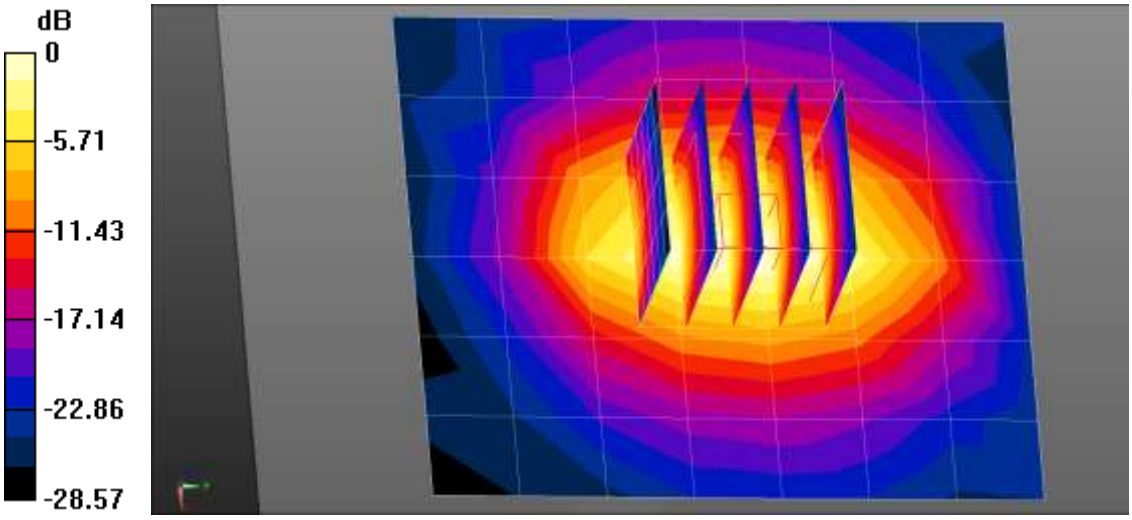
DUT: Dipole 1900 MHz D1900V2; Type: D1900V2

Communication System: UID 0, CW (0); Frequency: 1900 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1900 MHz; σ = 1.526 S/m; ε_r = 53.543; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(8.04, 8.04, 8.04) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2019-07-18
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/1900MHz Body Verification/Area Scan (7x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.65 W/kg
Dipole/1900MHz Body Verification/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 43.20 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 3.52 W/kg
SAR(1 g) = 1.87 W/kg; SAR(10 g) = 0.960 W/kg
Maximum value of SAR (measured) = 2.93 W/kg



0 dB = 2.65 W/kg = 4.23 dBW/kg

■ **Verification Data (2 450 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.7℃
Test Date:	12/27/2019

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

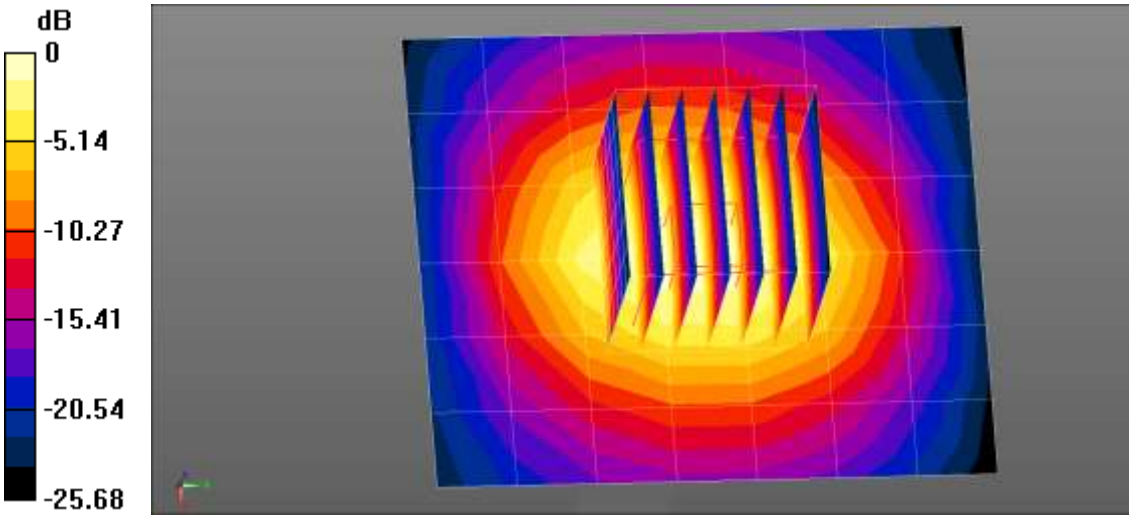
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.799 S/m; ε_r = 38.176; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.61, 7.61, 7.61) Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0(Left-Left)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/2450MHz Head Verification/Area Scan (7x8x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.99 W/kg

Dipole/2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 51.14 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 5.52 W/kg
SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.17 W/kg (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.34 W/kg



0 dB = 3.99 W/kg = 6.01 dBW/kg

■ **Verification Data (2 450 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.0℃
Test Date:	12/19/2019

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

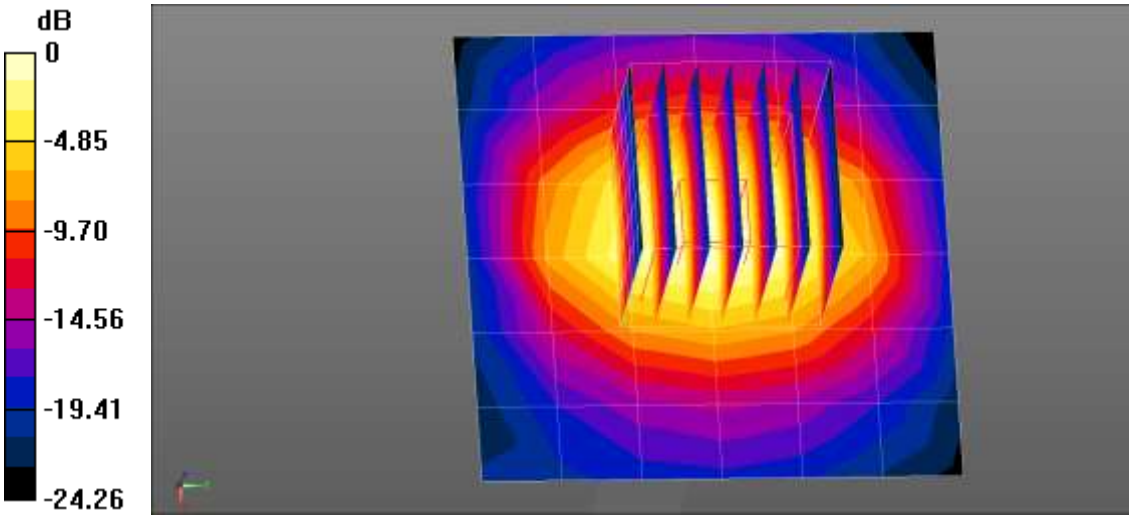
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.812 S/m; ε_r = 38.13; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.61, 7.61, 7.61) Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0(Left-Left)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/2450MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.83 W/kg

Dipole/2450MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 47.81 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 5.37 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.11 W/kg
Maximum value of SAR (measured) = 4.27 W/kg



0 dB = 3.83 W/kg = 5.83 dBW/kg

■ **Verification Data (2 450 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.1℃
Test Date:	01/08/2020

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

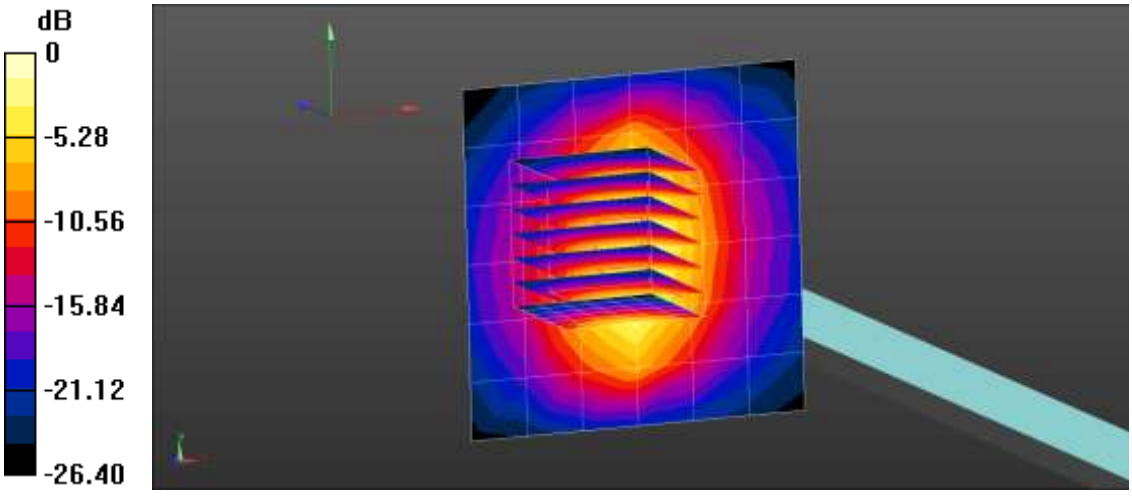
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.943 S/m; ε_r = 53.653; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74); Calibrated: 2019-05-15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: MFP_V5.1C_20171020
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/2450MHz Body Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.42 W/kg

Dipole/2450MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.71 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 5.50 W/kg
SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 4.44 W/kg



0 dB = 4.42 W/kg = 6.46 dBW/kg

■ **Verification Data (2 450 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.0℃
Test Date:	12/19/2019

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2

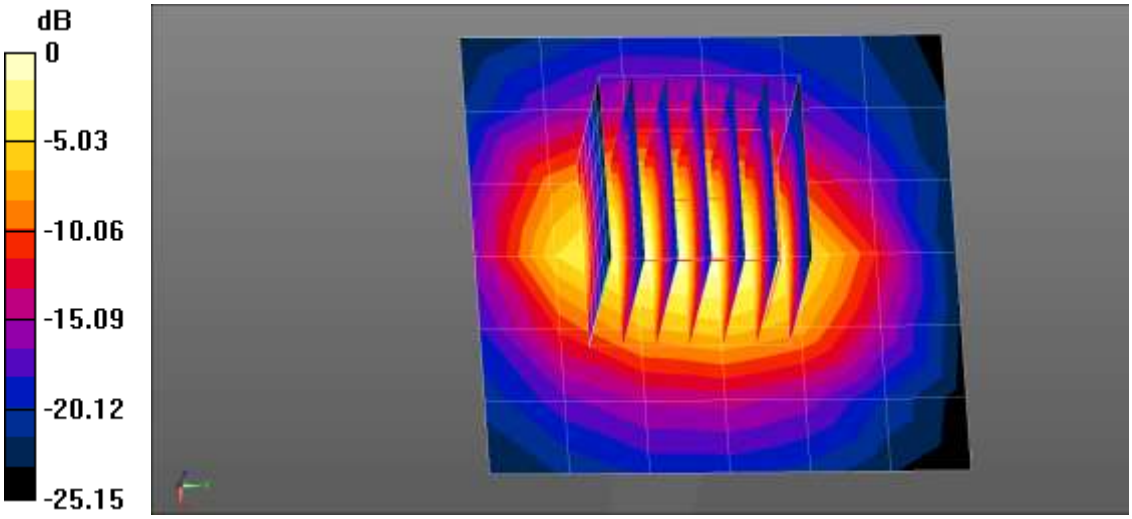
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.945 S/m; ε_r = 53.659; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(7.74, 7.74, 7.74) Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: MFP_V5.1C_20171020
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/2450MHz Body Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.21 W/kg

Dipole/2450MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 48.21 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 5.34 W/kg
SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.23 W/kg
Maximum value of SAR (measured) = 4.34 W/kg



0 dB = 4.21 W/kg = 6.24 dBW/kg

■ **Verification Data (2 600 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	21.3 ℃
Test Date:	12/13/2019

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2

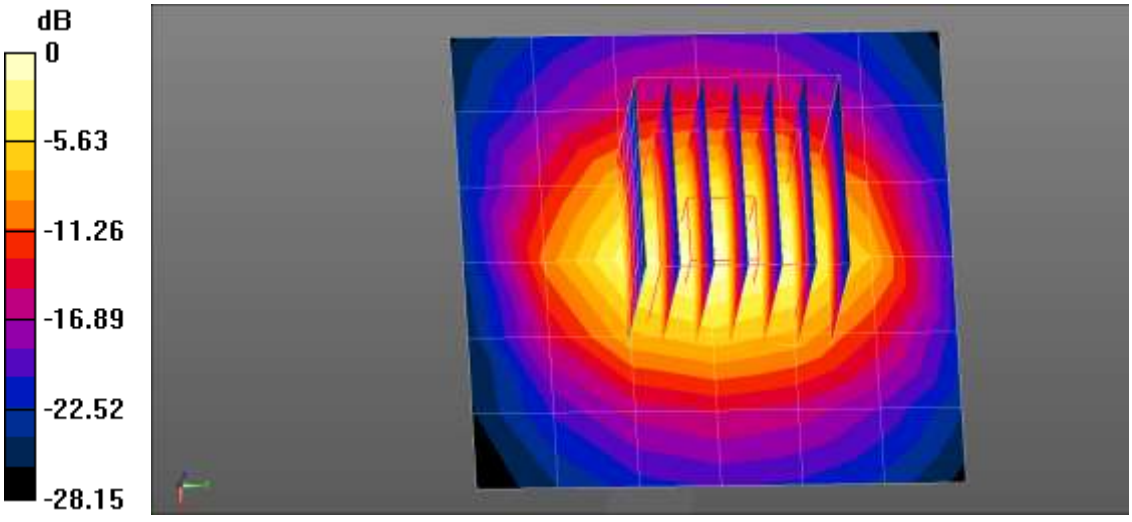
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 1.95 S/m; ε_r = 37.813; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.41, 7.41, 7.41) Calibrated: 2019-09-27
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2019-04-17
- Phantom: Twin-SAM V8.0_20171017(Left2)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/2600MHz Head Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 5.42 W/kg

Dipole/2600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.41 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 7.03 W/kg
SAR(1 g) = 3.09 W/kg; SAR(10 g) = 1.33 W/kg
Maximum value of SAR (measured) = 5.52 W/kg



0 dB = 5.42 W/kg = 7.34 dBW/kg

■ **Verification Data (2 600 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	12/28/2019

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2

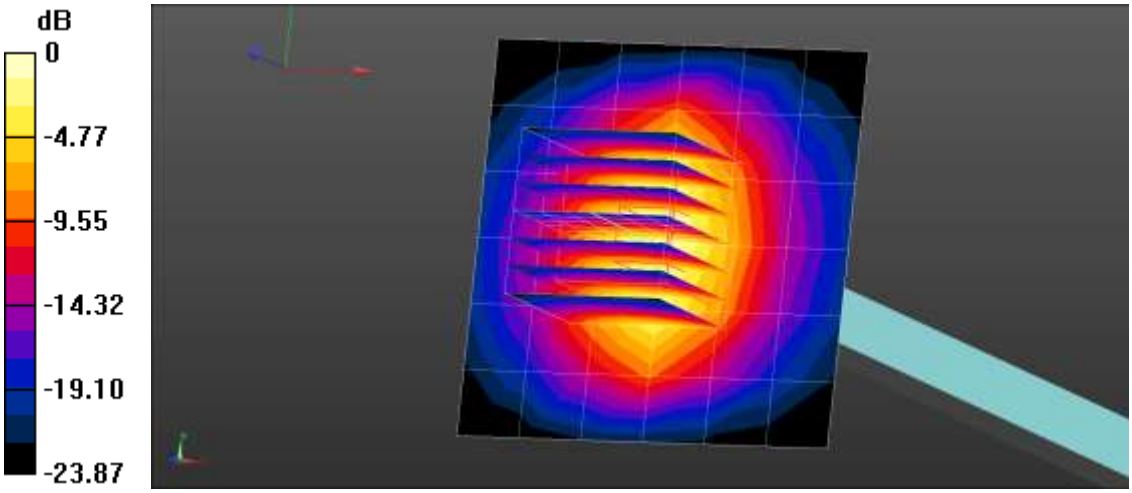
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.109 S/m; ε_r = 53.191; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3968; ConvF(7.61, 7.61, 7.61); Calibrated: 2019-09-27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2019-01-25
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/2600MHz Body Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 4.63 W/kg

Dipole/2600MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 48.21 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 5.84 W/kg
SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.15 W/kg
Maximum value of SAR (measured) = 4.58 W/kg



0 dB = 4.58 W/kg = 6.61 dBW/kg

■ **Verification Data (2 600 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	12/28/2019

DUT: Dipole 2600 MHz D2600V2; Type: D2600V2

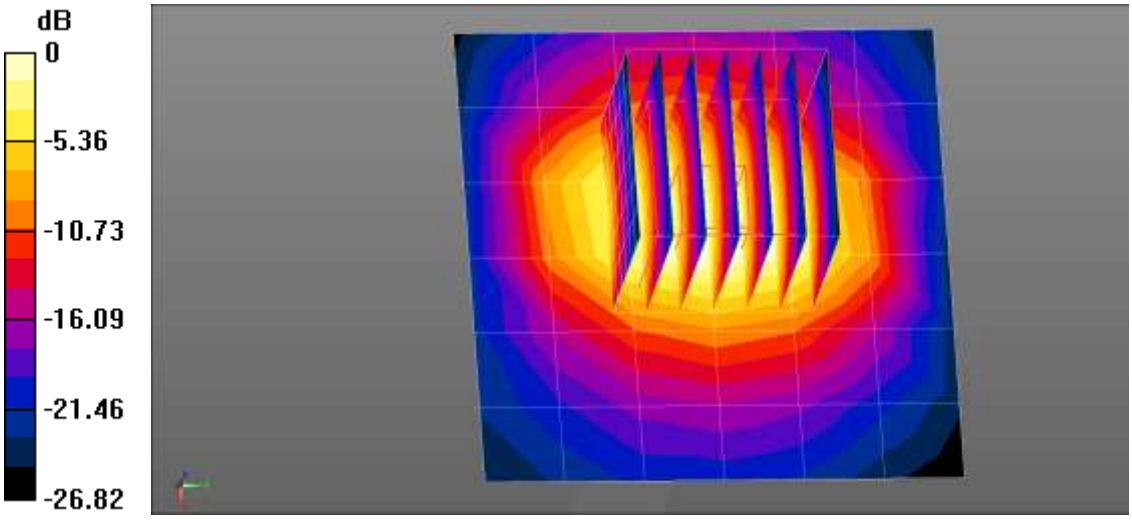
Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.109 S/m; ε_r = 53.191; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3903; ConvF(7.49, 7.49, 7.49) Calibrated: 2019-08-29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn652; Calibrated: 2019-04-17
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/2600MHz Body Verification/Area Scan (7x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 3.49 W/kg

Dipole/2600MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 42.72 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 6.64 W/kg
SAR(1 g) = 2.87 W/kg; SAR(10 g) = 1.23 W/kg
Maximum value of SAR (measured) = 5.14 W/kg



0 dB = 3.49 W/kg = 5.43 dBW/kg

■ **Verification Data (5 250 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.5 ℃
Test Date:	12/30/2019

DUT: Dipole D5GHzV2; Type: D5GHzV2

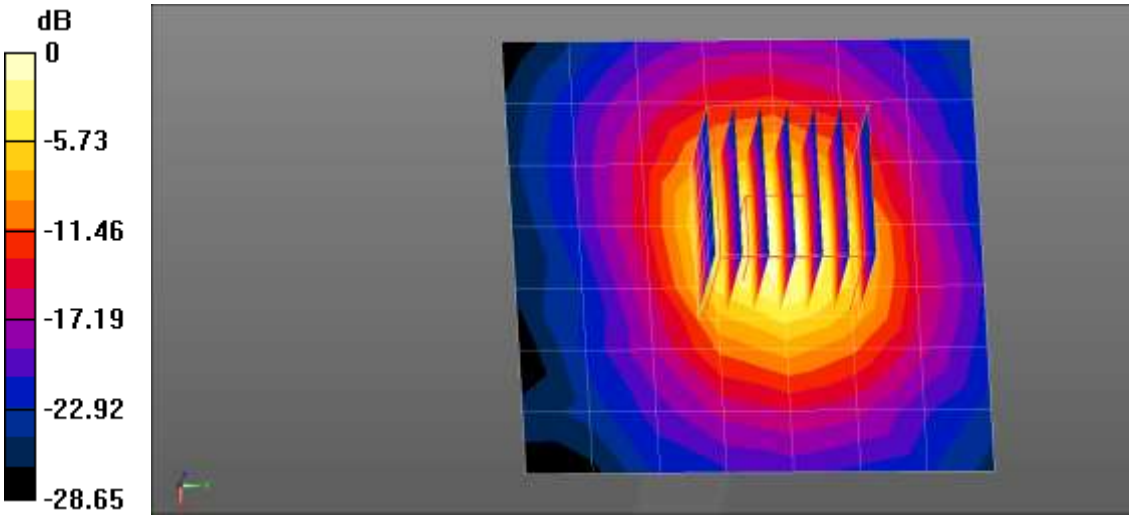
Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 4.805 S/m; ε_r = 36.235; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(5.09, 5.09, 5.09) Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0 (Left-Right)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/5250MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 8.65 W/kg

Dipole/5250MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 45.02 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 4.05 W/kg; SAR(10 g) = 1.21 W/kg
Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 8.65 W/kg = 9.37 dBW/kg

■ **Verification Data (5 250 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	01/12/2020

DUT: Dipole D5GHzV2; Type: D5GHzV2

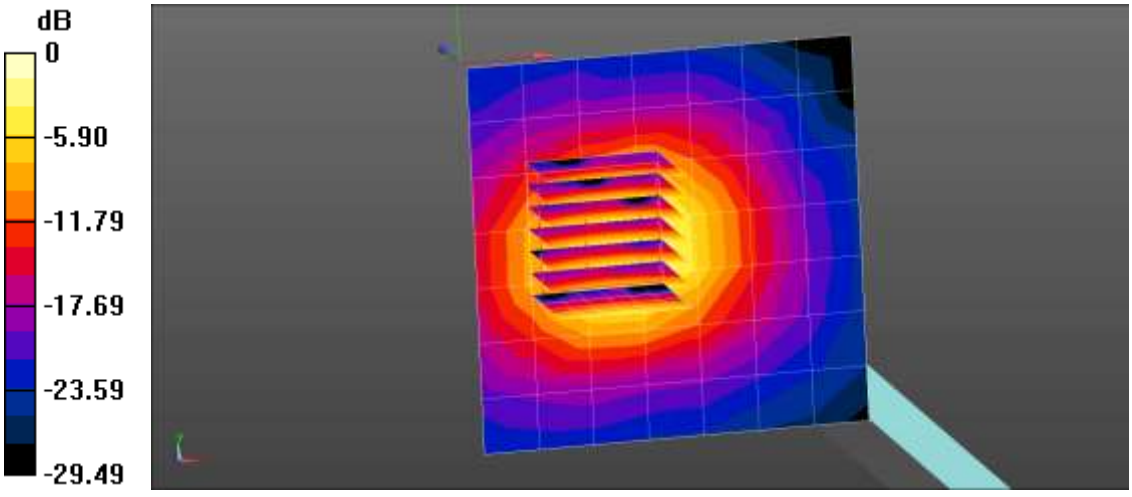
Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 5.566 S/m; ε_r = 48.321; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7370; ConvF(4.66, 4.66, 4.66); Calibrated: 2019-08-29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: Triple Flat Phantom
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/5 250 MHz Body Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 6.21 W/kg

Dipole/5 250 MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 32.24 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 16.2 W/kg
SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.08 W/kg
Maximum value of SAR (measured) = 9.92 W/kg



0 dB = 6.21 W/kg = 7.93 dBW/kg

■ **Verification Data (5 600 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.5 ℃
Test Date:	12/30/2019

DUT: Dipole D5GHzV2; Type: D5GHzV2

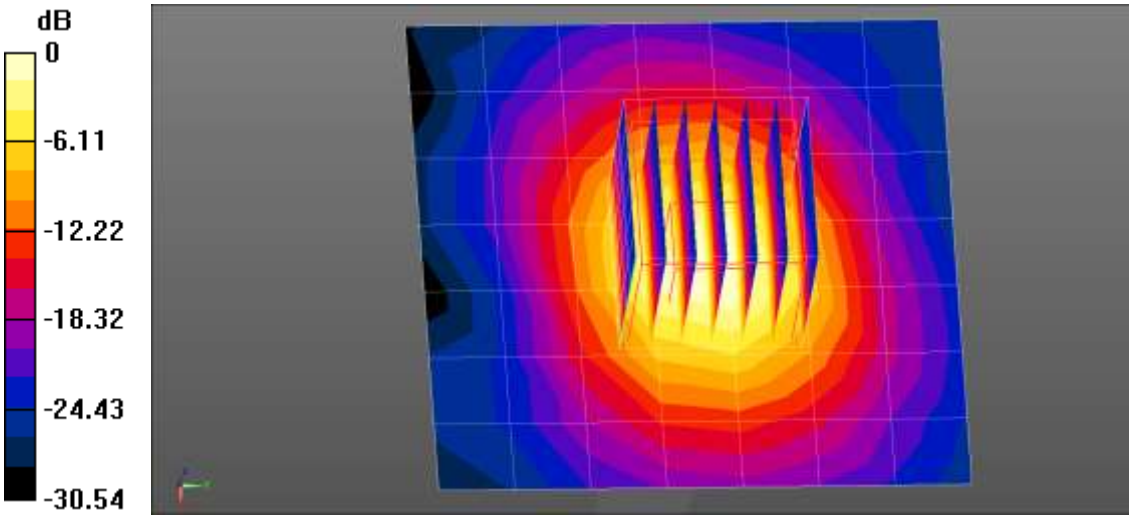
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.042 S/m; ε_r = 35.414; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(4.69, 4.69, 4.69) Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0 (Left-Right)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/5600MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 8.85 W/kg

Dipole/5600MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 49.44 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 19.4 W/kg
SAR(1 g) = 4.29 W/kg; SAR(10 g) = 1.28 W/kg
Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 8.85 W/kg = 9.47 dBW/kg

■ **Verification Data (5 600 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	01/12/2020

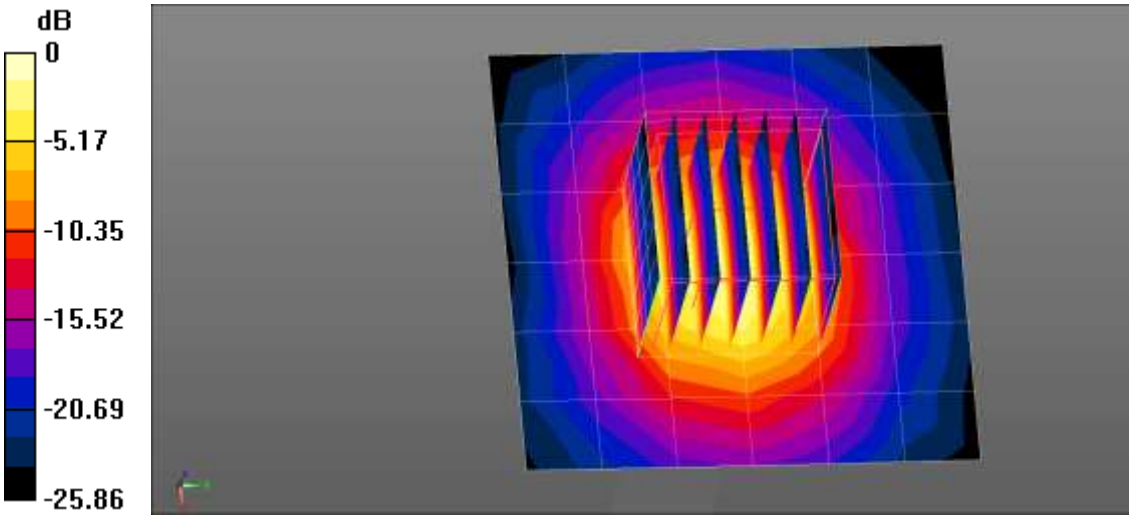
DUT: Dipole D5GHzV2; Type: D5GHzV2

Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.846 S/m; ε_r = 47.666; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3797; ConvF(3.96, 3.96, 3.96) @ 5600 MHz; Calibrated: 2019-11-28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1225; Calibrated: 2019-11-18
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/5600MHz Body Verification/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 9.25 W/kg
Dipole/5600MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 45.26 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.09 W/kg
Maximum value of SAR (measured) = 9.88 W/kg



0 dB = 9.25 W/kg = 9.66 dBW/kg

■ **Verification Data (5 600 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	01/12/2020

DUT: Dipole D5GHzV2; Type: D5GHzV2

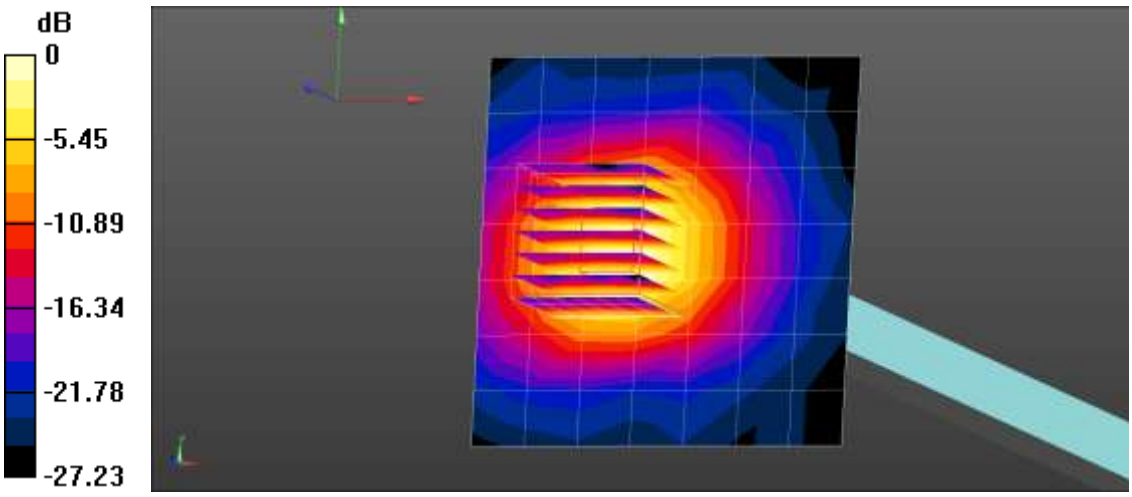
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.846 S/m; ε_r = 47.666; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7370; ConvF(4.01, 4.01, 4.01); Calibrated: 2019-08-29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: Triple Flat Phantom
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/5 600 MHz Body Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.02 W/kg

Dipole/5 600 MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 33.30 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 18.7 W/kg
SAR(1 g) = 4.13 W/kg; SAR(10 g) = 1.15 W/kg
Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 7.02 W/kg = 8.46 dBW/kg

■ **Verification Data (5 750 ㎒ Head)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	20.5 ℃
Test Date:	12/30/2019

DUT: Dipole D5GHzV2; Type: D5GHzV2

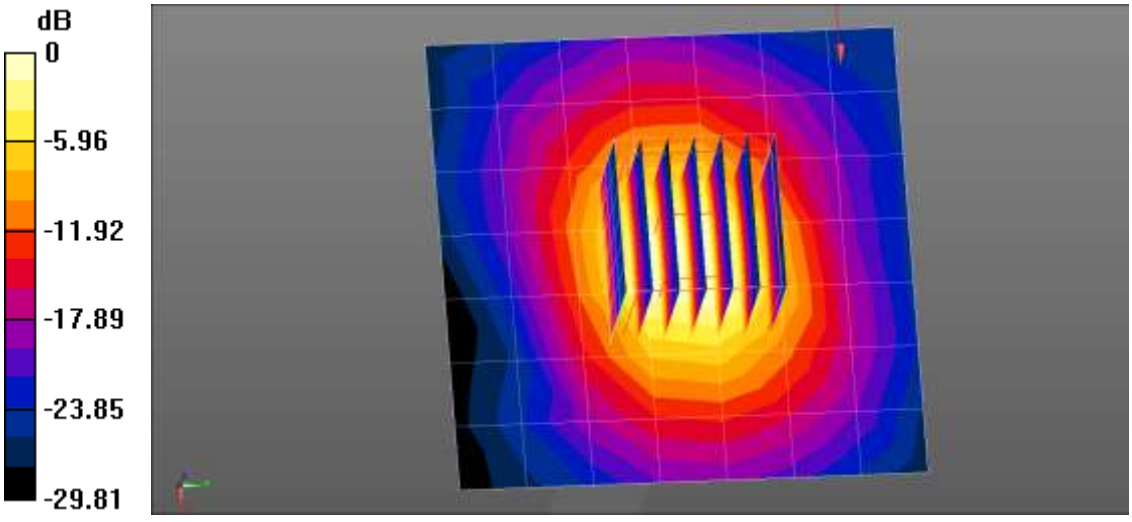
Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 5.131 S/m; ε_r = 35.591; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3863; ConvF(4.99, 4.99, 4.99) Calibrated: 2019-05-15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn648; Calibrated: 2019-05-23
- Phantom: Twin-SAM V4.0 (Left-Right)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/5750MHz Head Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.74 W/kg

Dipole/5750MHz Head Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 50.97 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 19.2 W/kg
SAR(1 g) = 4.25 W/kg; SAR(10 g) = 1.23 W/kg
Maximum value of SAR (measured) = 11.2 W/kg



0 dB = 7.74 W/kg = 8.89 dBW/kg

■ **Verification Data (5 750 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	01/12/2020

DUT: Dipole D5GHzV2; Type: D5GHzV2

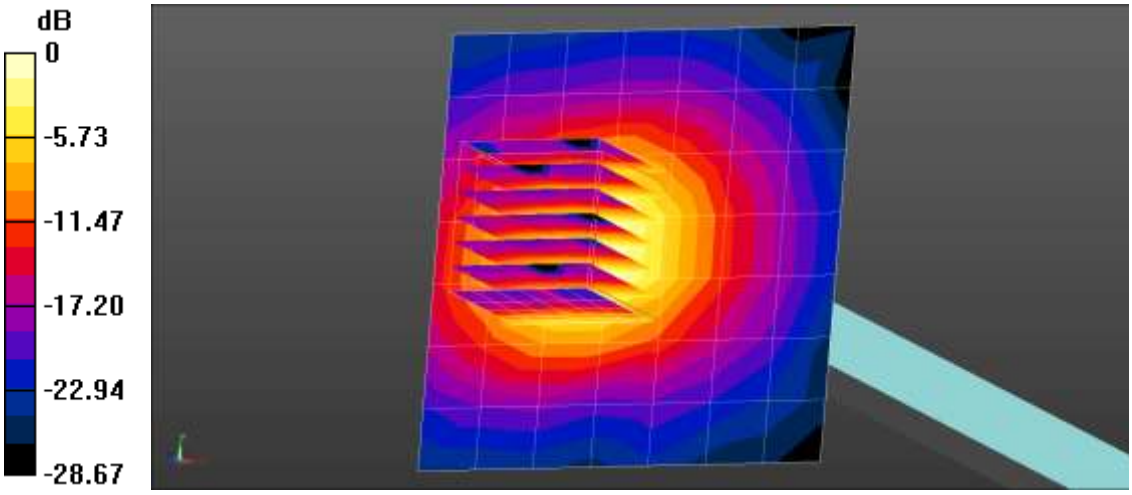
Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 6.143 S/m; ε_r = 47.295; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN7370; ConvF(4.23, 4.23, 4.23); Calibrated: 2019-08-29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn868; Calibrated: 2019-09-04
- Phantom: Triple Flat Phantom
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/5 750 MHz Body Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 6.44 W/kg

Dipole/5 750 MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 31.26 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.05 W/kg
Maximum value of SAR (measured) = 10.0 W/kg



0 dB = 6.44 W/kg = 8.09 dBW/kg

■ **Verification Data (5 250 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	01/12/2020

DUT: Dipole D5GHzV2; Type: D5GHzV2

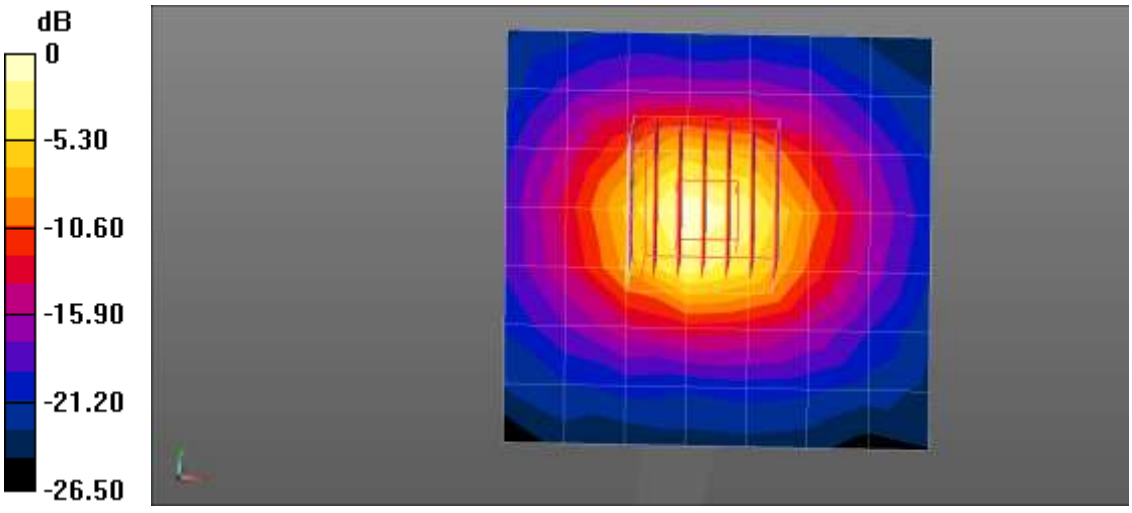
Communication System: UID 0, CW (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5250 MHz; σ = 5.504 S/m; ε_r = 47.251; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3968; ConvF(5.04, 5.04, 5.04); Calibrated: 2019-09-27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2019-01-25
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/5250MHz Body Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.41 W/kg

Dipole/5250MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 38.33 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 14.3 W/kg
SAR(1 g) = 3.43 W/kg; SAR(10 g) = 0.983 W/kg
Maximum value of SAR (measured) = 8.60 W/kg



0 dB = 7.41 W/kg = 8.70 dBW/kg

■ **Verification Data (5 600 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	01/12/2020

DUT: Dipole D5GHzV2; Type: D5GHzV2

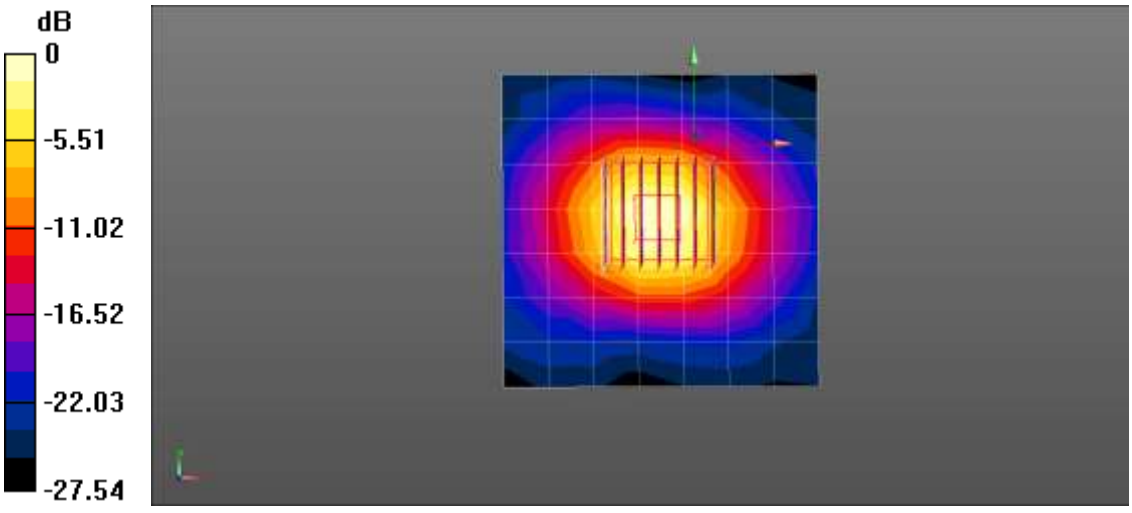
Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5600 MHz; σ = 5.806 S/m; ε_r = 46.734; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3968; ConvF(4.37, 4.37, 4.37); Calibrated: 2019-09-27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2019-01-25
- Phantom: Triple Flat Phantom 5.1C
- Measurement SW: DASY52, Version 52.8 (8);

Dipole/5600MHz Body Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 7.11 W/kg

Dipole/5600MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 44.66 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 17.7 W/kg
SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.08 W/kg
Maximum value of SAR (measured) = 9.99 W/kg



0 dB = 7.11 W/kg = 8.52 dBW/kg

■ **Verification Data (5 750 ㎒ Body)**

Test Laboratory:	HCT CO., LTD
Input Power	0.05 W
Liquid Temp:	19.6℃
Test Date:	01/12/2020

DUT: Dipole D5GHzV2; Type: D5GHzV2

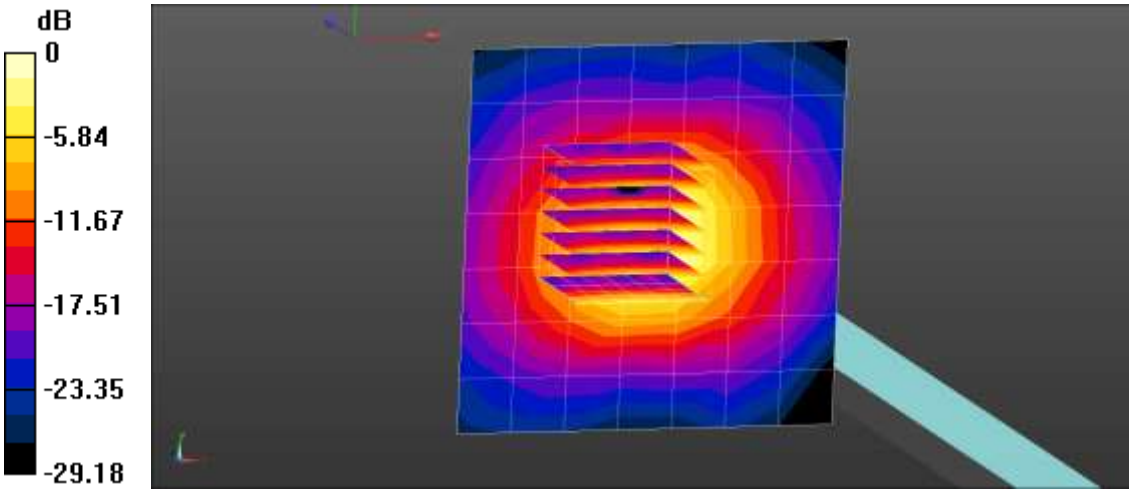
Communication System: UID 0, CW (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 6.145 S/m; ε_r = 46.387; ρ = 1000 kg/m^3
Phantom section: Center Section

DASY Configuration:

- Probe: EX3DV4 - SN3968; ConvF(4.52, 4.52, 4.52); Calibrated: 2019-09-27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1417; Calibrated: 2019-01-25
- Phantom: MFP_V5.1C (20deg probe tilt)
- Measurement SW: DASY52, Version 52.10 (2);

Dipole/5750MHz Body Verification/Area Scan (8x8x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 6.94 W/kg

Dipole/5750MHz Body Verification/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio:1.4
Reference Value = 47.81 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 4.03 W/kg; SAR(10 g) = 1.14 W/kg
Maximum value of SAR (measured) = 10.7 W/kg



0 dB = 6.94 W/kg = 8.42 dBW/kg

Attachment 3. – SAR Tissue Characterization

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

Ingredients (% by weight)	Frequency (MHz)											
	750		835		1 750		1 900		2 450 – 2 700		5 200 - 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

Attachment 4. – 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
5	3903	EX3DV4	Head	750	1014	2019-06-10	41.7	0.87	PASS	PASS	PASS	N/A	N/A	N/A
5	3903	EX3DV4	Body	750	1014	2018-10-03	55.6	0.98	PASS	PASS	PASS	N/A	N/A	N/A
11	3076	ES3DV3	Head	835	441	2019-09-03	41.6	0.91	PASS	PASS	PASS	GMSK	PASS	N/A
5	3903	EX3DV4	Head	835	441	2019-0-03	41.5	0.89	PASS	PASS	PASS	N/A	N/A	N/A
11	3076	ES3DV3	Body	835	441	2019-09-03	55.5	0.97	PASS	PASS	PASS	GMSK	PASS	N/A
5	3903	EX3DV4	Body	835	441	2019-0-03	55.4	0.98	PASS	PASS	PASS	N/A	N/A	N/A
5	3903	EX3DV4	Head	1750	2d015	2019-10-03	40.1	1.39	PASS	PASS	PASS	N/A	N/A	N/A
5	3903	EX3DV4	Head	1750	2d015	2019-10-03	40.1	1.39	PASS	PASS	PASS	GMSK	PASS	N/A
5	3903	EX3DV4	Body	1750	2d015	2019-10-03	53.5	1.52	PASS	PASS	PASS	N/A	N/A	N/A
5	3903	EX3DV4	Body	1750	2d015	2018-12-03	53.5	1.52	PASS	PASS	PASS	GMSK	PASS	N/A
5	3903	EX3DV4	Head	1900	5d032	2019-03-04	40.1	1.42	PASS	PASS	PASS	N/A	N/A	N/A
5	3903	EX3DV4	Head	1900	5d032	2019-03-04	40.1	1.41	PASS	PASS	PASS	GMSK	PASS	N/A
5	3903	EX3DV4	Body	1900	5d032	2019-03-04	53.3	1.53	PASS	PASS	PASS	N/A	N/A	N/A
5	3903	EX3DV4	Body	1900	5d032	2019-03-04	53.3	1.53	PASS	PASS	PASS	GMSK	PASS	N/A
1	3863	EX3DV4	Head	2450	965	2019-11-30	39.4	1.81	PASS	PASS	PASS	OFDM	N/A	PASS
1	3863	EX3DV4	Body	2450	965	2019-11-30	52.8	1.94	PASS	PASS	PASS	OFDM	N/A	PASS
9	3968	EX3DV4	Head	2600	1106	2019-10-11	39.2	1.96	PASS	PASS	PASS	TDD	PASS	NA
9	3968	EX3DV4	Body	2600	1106	2019-10-11	52.4	2.16	PASS	PASS	PASS	NA	N/A	NA
5	3903	EX3DV4	Body	2600	1106	2018-12-03	52.4	2.16	PASS	PASS	PASS	TDD	PASS	NA
1	3863	EX3DV4	Head	5250	1107	2019-10-11	35.6	4.71	PASS	PASS	PASS	OFDM	N/A	PASS
1	3863	EX3DV4	Head	5600	1107	2019-10-11	35.3	5.04	PASS	PASS	PASS	OFDM	N/A	PASS
1	3863	EX3DV4	Head	5750	1107	2019-10-11	35.8	5.25	PASS	PASS	PASS	OFDM	N/A	PASS
12	7370	EX3DV4	Body	5250	1107	2019-10-11	48.8	5.36	PASS	PASS	PASS	OFDM	N/A	PASS
12	7370	EX3DV4	Body	5600	1107	2019-10-11	48.3	5.78	PASS	PASS	PASS	OFDM	N/A	PASS
3	3797	EX3DV4	Body	5600	1107	2019-12-10	48.3	5.79	PASS	PASS	PASS	OFDM	N/A	PASS
12	7370	EX3DV4	Body	5750	1107	2019-10-11	48.4	5.95	PASS	PASS	PASS	OFDM	N/A	PASS
9	3968	EX3DV4	Body	5750	1107	2019-10-11	48.4	5.95	PASS	PASS	PASS	OFDM	N/A	PASS

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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
5	3903	EX3DV4	Body	1750	2d015	2019-10-03	53.5	1.52	PASS	PASS	PASS	N/A	N/A	N/A
5	3903	EX3DV4	Body	1750	2d015	2019-10-03	53.5	1.52	PASS	PASS	PASS	GMSK	PASS	N/A
5	3903	EX3DV4	Body	1900	5d032	2019-03-04	53.3	1.53	PASS	PASS	PASS	N/A	N/A	N/A
5	3903	EX3DV4	Body	1900	5d032	2019-03-04	53.3	1.53	PASS	PASS	PASS	GMSK	PASS	N/A
12	7370	EX3DV4	Body	5250	1107	2019-10-11	48.8	5.36	PASS	PASS	PASS	OFDM	N/A	PASS
12	7370	EX3DV4	Body	5600	1107	2019-10-11	48.3	5.78	PASS	PASS	PASS	OFDM	N/A	PASS
12	7370	EX3DV4	Body	5750	1107	2019-10-11	48.4	5.95	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.