Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/24/2022

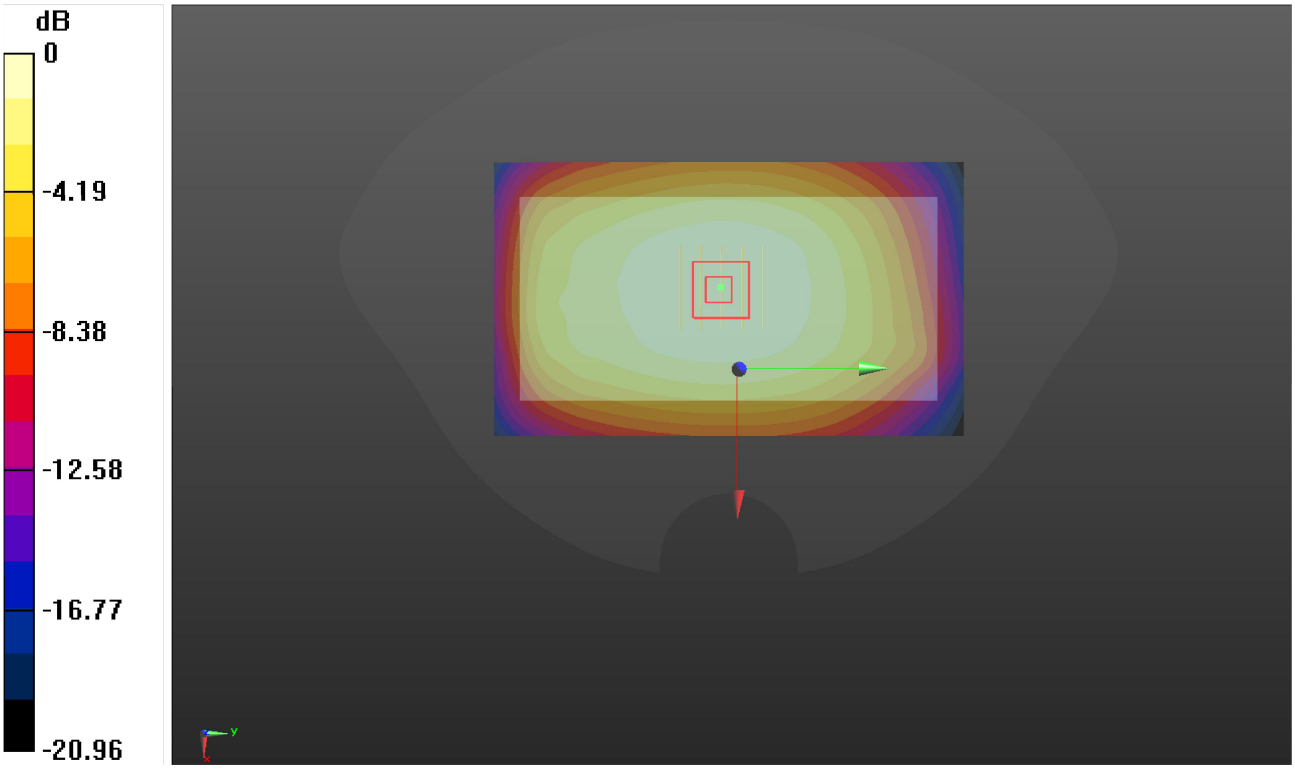
P23 LTE 12_QPSK10M_Rear Face_1cm_Ch23130_1RB_OS24

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: HSL750_0524 Medium parameters used: f = 711 MHz; σ = 0.853 S/m; ε_r = 43.358; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(11.02, 11.02, 11.02) @ 711 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.438 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.43 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.488 W/kg
SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.269 W/kg
Maximum value of SAR (measured) = 0.436 W/kg



0 dB = 0.436 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/24/2022

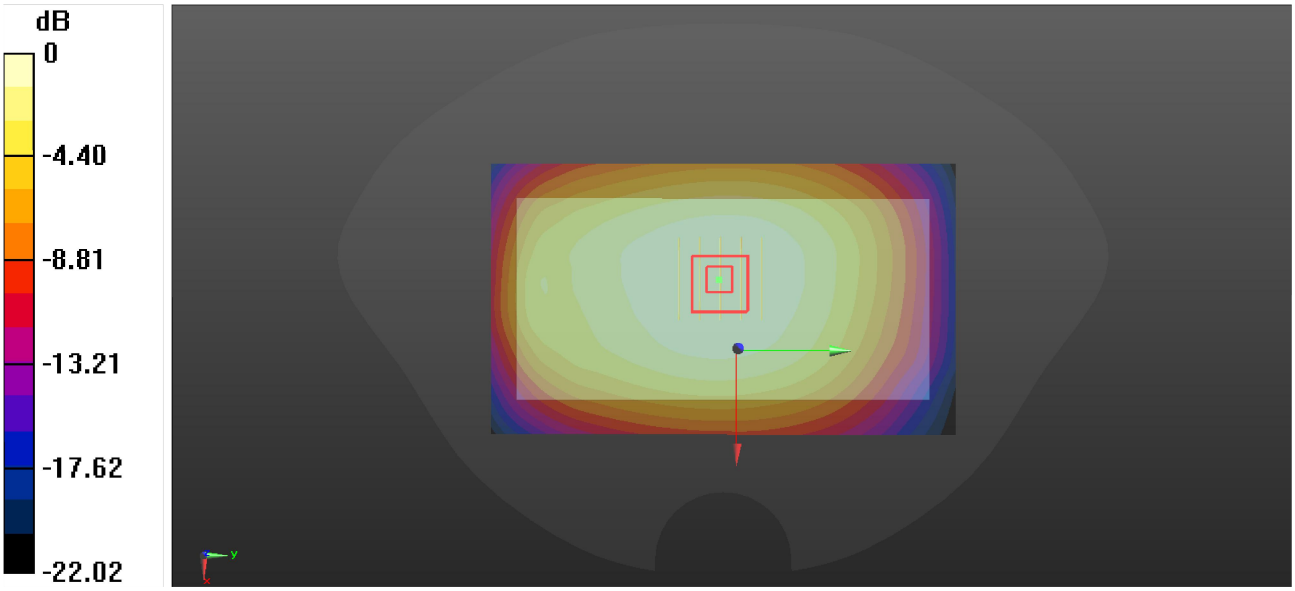
P24 LTE 14_QPSK10M_Rear Face_1cm_Ch23330_1RB_OS24

Communication System: LTE; Frequency: 793 MHz;Duty Cycle: 1:1
Medium: HSL750_0524 Medium parameters used: f = 793 MHz; σ = 0.878 S/m; ε_r = 43.102; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(11.02, 11.02, 11.02) @ 793 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.782 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.66 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.870 W/kg
SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.478 W/kg
Maximum value of SAR (measured) = 0.778 W/kg



0 dB = 0.778 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/25/2022

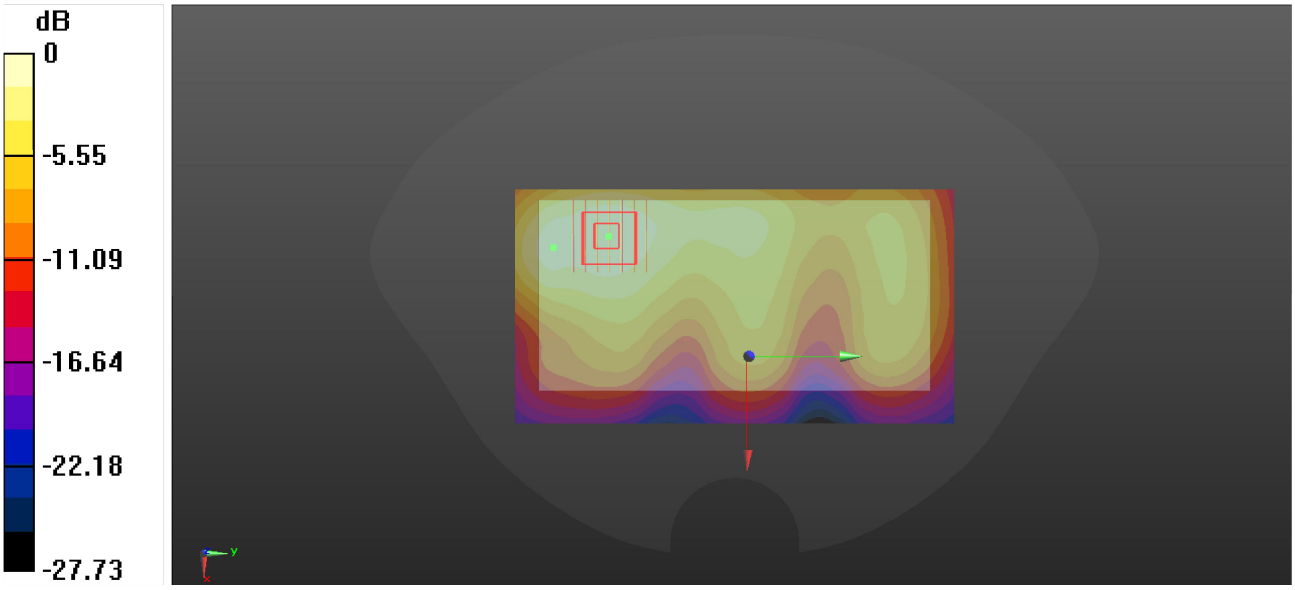
P25 LTE 30_QPSK10M_Front Face_1cm_Ch27710_1RB_OS24

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL2300_0525 Medium parameters used: f = 2310 MHz; σ = 1.711 S/m; ε_r = 39.963; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(8.22, 8.22, 8.22) @ 2310 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.718 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.771 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.868 W/kg
SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.279 W/kg
Maximum value of SAR (measured) = 0.724 W/kg



0 dB = 0.724 W/kg

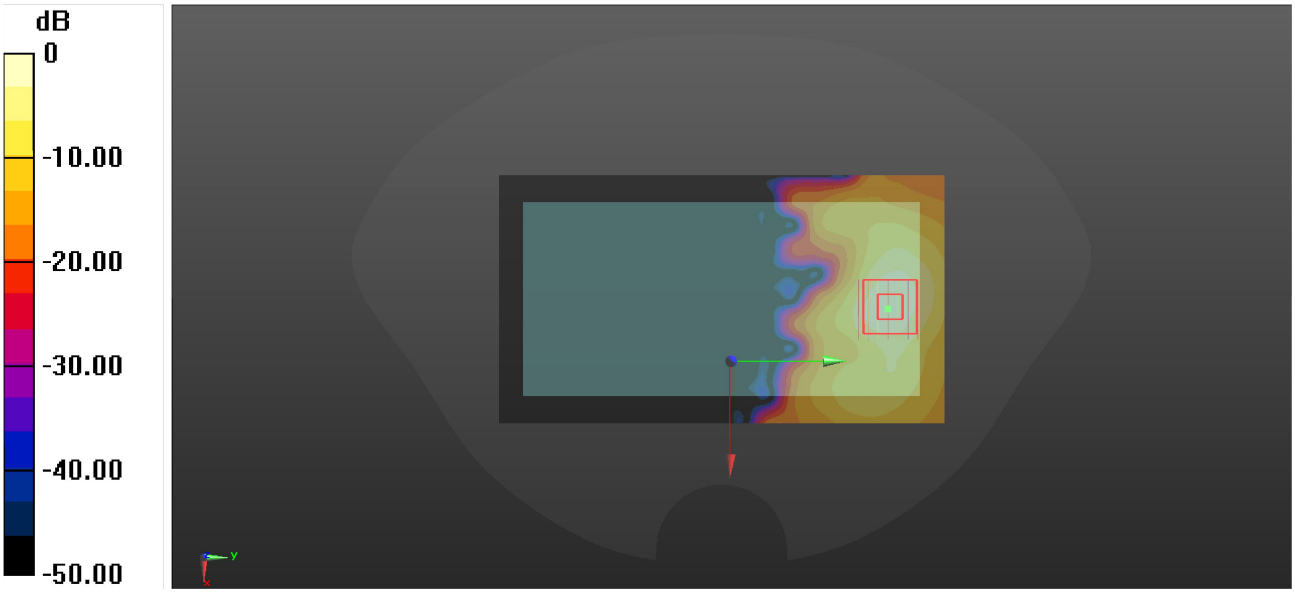
P26 802.11a_Rear Face_1cm_Ch52

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: HSL5G_0526 Medium parameters used: f = 5260 MHz; σ = 4.643 S/m; ε_r = 36.732; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(5.54, 5.54, 5.54) @ 5260 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.01 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.4470 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.150 W/kg
Maximum value of SAR (measured) = 0.994 W/kg



0 dB = 0.994 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/26/2022

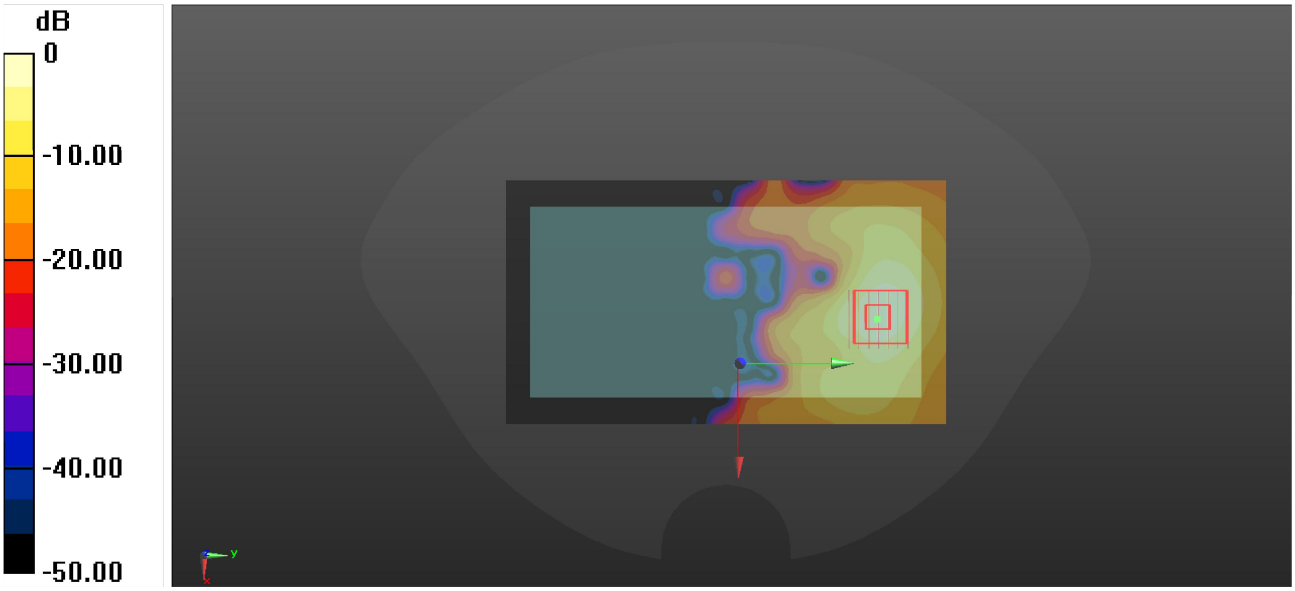
P27 802.11a_Rear Face_1cm_Ch116

Communication System: 802.11a; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: HSL5G_0526 Medium parameters used: f = 5580 MHz; σ = 5.028 S/m; ε_r = 36.465; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(5.11, 5.11, 5.11) @ 5580 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.41 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0 dB
Peak SAR (extrapolated) = 2.31 W/kg
SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.204 W/kg
Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/26/2022

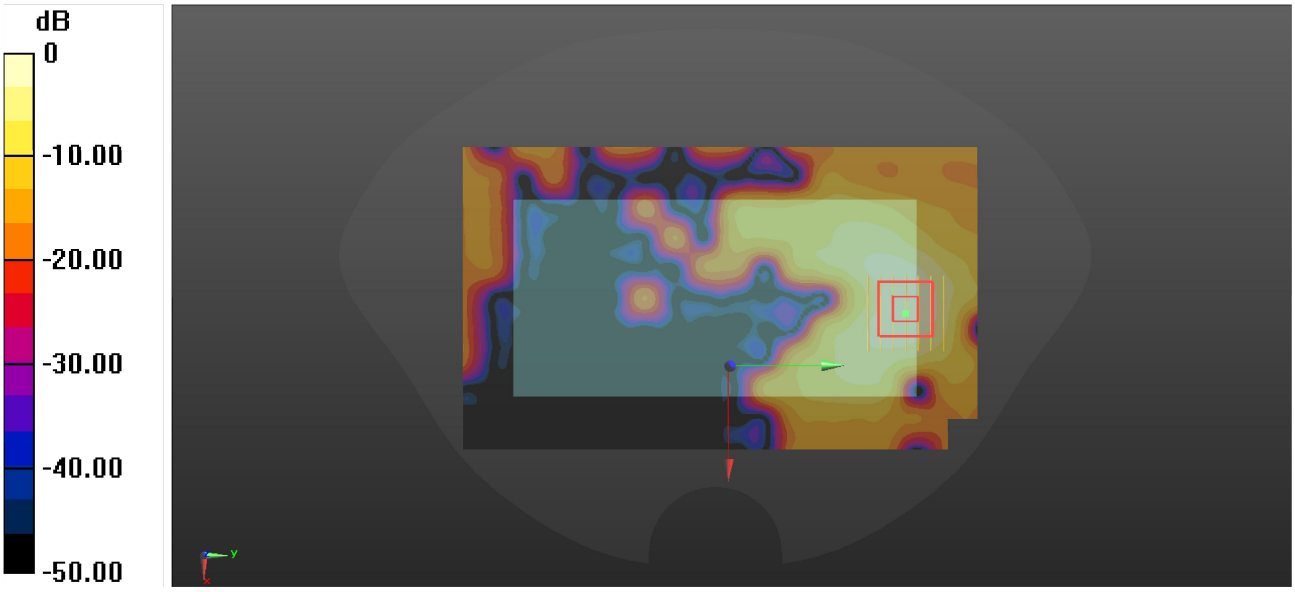
P28 BT_GFSK_Rear Face_1cm_Ch39

Communication System: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium: HSL2450_0526 Medium parameters used: f = 2441 MHz; σ = 1.81 S/m; ε_r = 39.443; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(7.9, 7.9, 7.9) @ 2441 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0449 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0620 W/kg
SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0496 W/kg



0 dB = 0.0496 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/25/2022

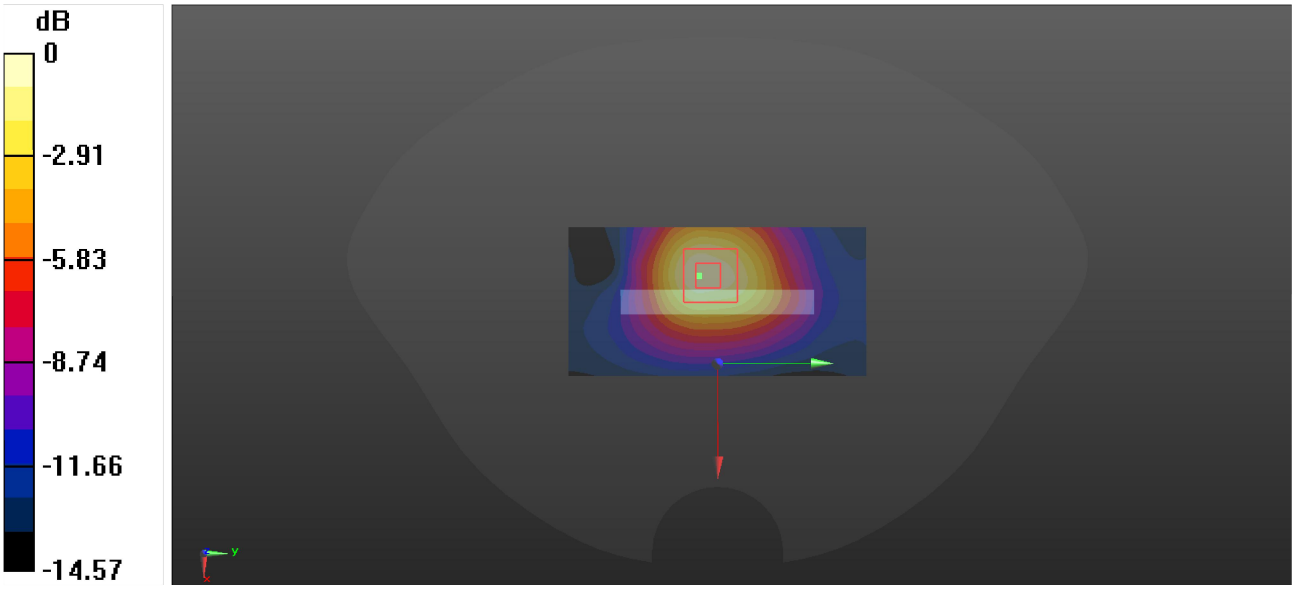
P29 WCDMA II_RMC12.2K_Bottom Side_1cm_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1950_0525 Medium parameters used: f = 1880 MHz; σ = 1.439 S/m; ε_r = 41.626; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(8.73, 8.73, 8.73) @ 1880 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (41x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.622 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.28 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.670 W/kg
SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.225 W/kg
Maximum value of SAR (measured) = 0.554 W/kg



0 dB = 0.554 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 5/25/2022

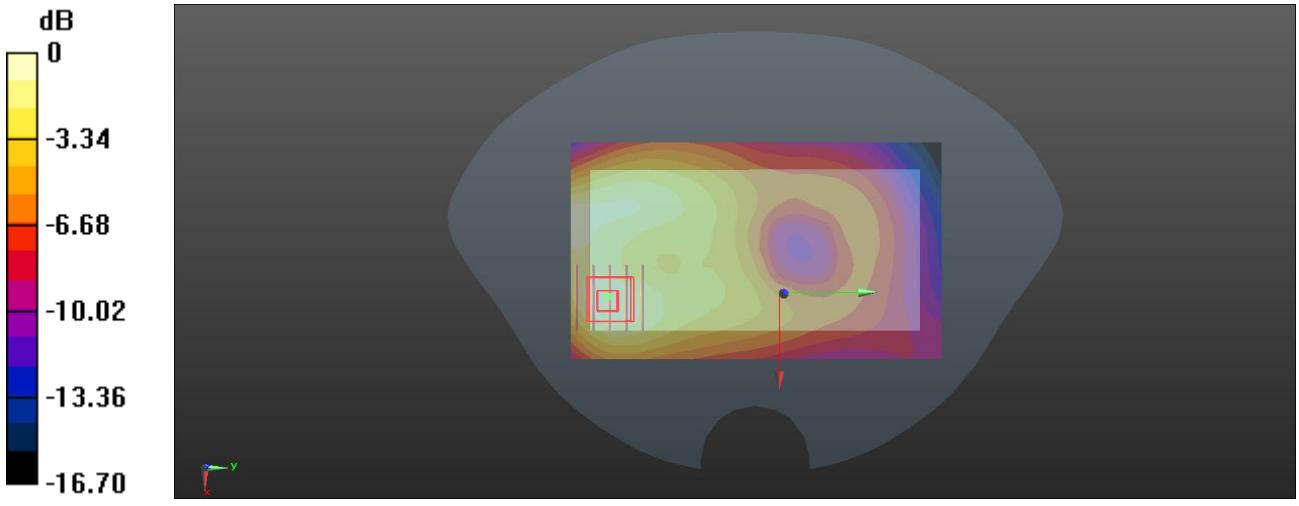
P30 WCDMA II_RMC12.2K_Rear Face_1.9cm_Ch9400

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL1950_0525 Medium parameters used: f = 1880 MHz; σ = 1.439 S/m; ε_r = 41.626; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃； Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(5.19, 5.19, 5.19) @ 1880 MHz; Calibrated: 1/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.12 (7450)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.195 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.762 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.283 W/kg
SAR(1 g) = 0.177 W/kg; SAR(10 g) = 0.108 W/kg
Maximum value of SAR (measured) = 0.192 W/kg



0 dB = 0.192 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/25/2022

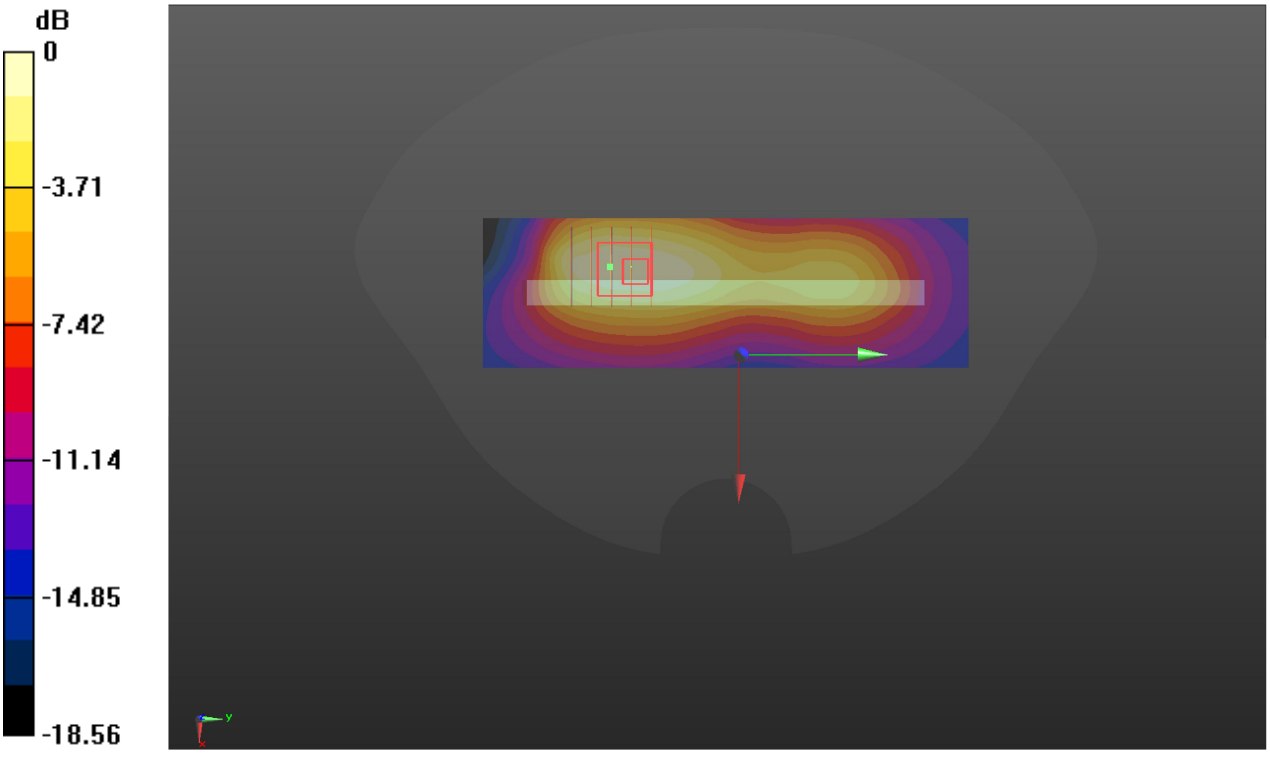
P31 WCDMA IV_RMC12.2K_Left Side_1cm_Ch1413

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL1750_0525 Medium parameters used: f = 1733 MHz; σ = 1.319 S/m; ε_r = 40.914; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(8.9, 8.9, 8.9) @ 1732.6 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (41x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.625 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.68 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.746 W/kg
SAR(1 g) = 0.503 W/kg; SAR(10 g) = 0.259 W/kg
Maximum value of SAR (measured) = 0.632 W/kg



0 dB = 0.632 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/25/2022

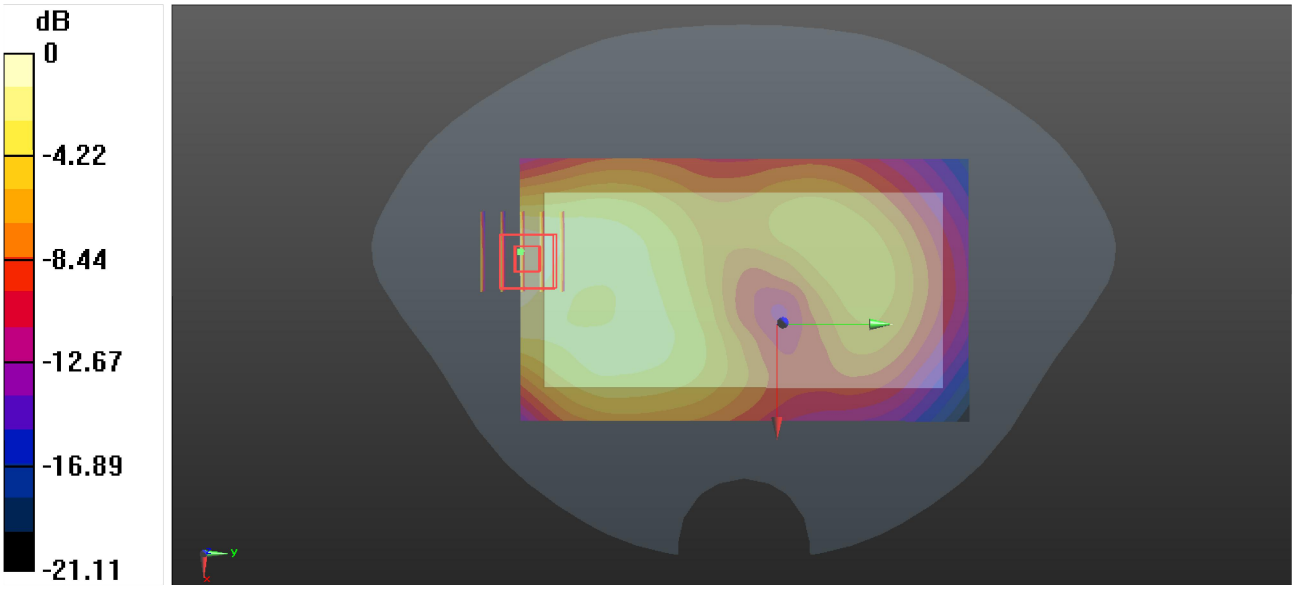
P32 WCDMA IV_RMC12.2K_Rear Face_1.9cm_Ch1413_Full

Communication System: WCDMA; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: HSL1750_0525 Medium parameters used: f = 1733 MHz; σ = 1.319 S/m; ε_r = 40.914; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(8.73, 8.73, 8.73) @ 1880 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.214 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.448 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.118 W/kg
Maximum value of SAR (measured) = 0.214 W/kg



0 dB = 0.214 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/24/2022

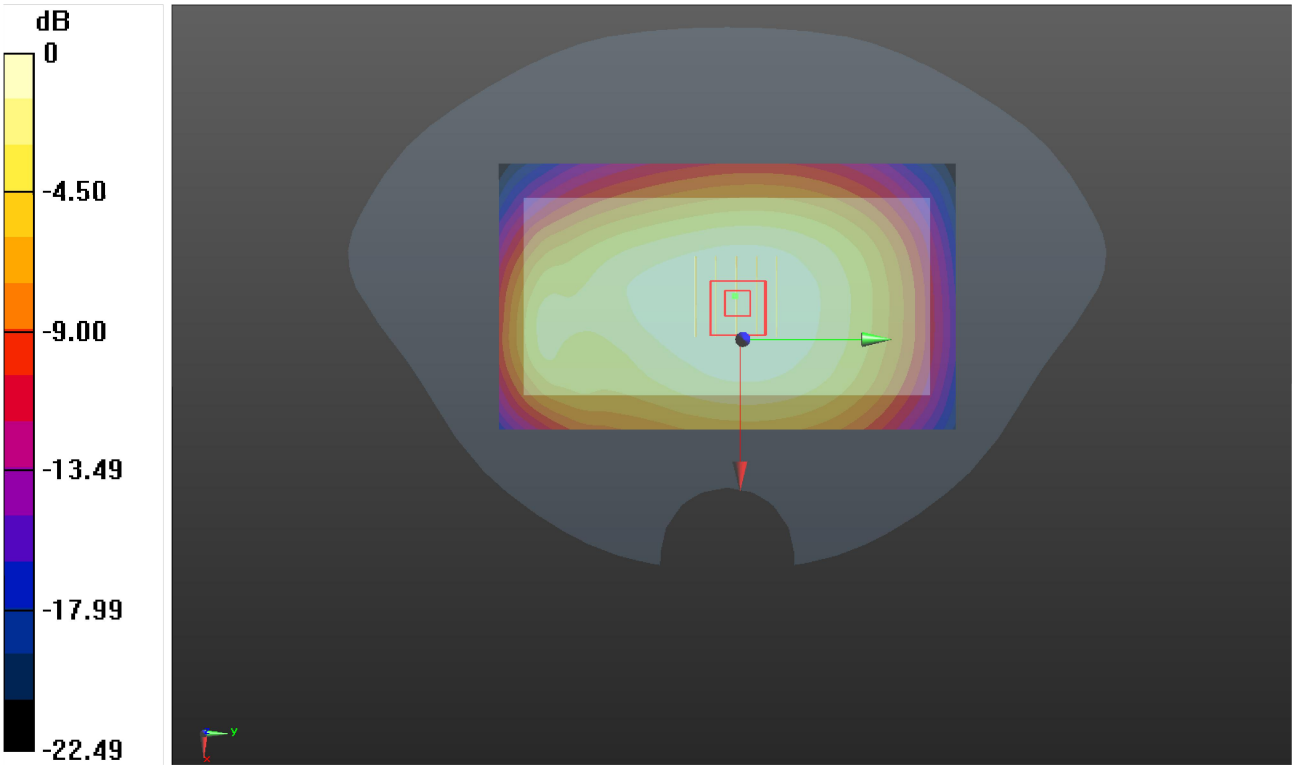
P33 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182

Communication System: WCDMA; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL835_0524 Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.912 S/m; ε_r = 43.007; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3268; ConvF(6.04, 6.04, 6.04) @ 836.4 MHz; Calibrated: 08/24/2021
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1288; Calibrated: 08/20/2021
- Phantom: SAM (front) with CRP V5.0; Type: QD000P40CB; Serial: TP:1430
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.394 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.06 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.467 W/kg
SAR(1 g) = 0.376 W/kg; SAR(10 g) = 0.289 W/kg
Maximum value of SAR (measured) = 0.394 W/kg



0 dB = 0.394 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/25/2022

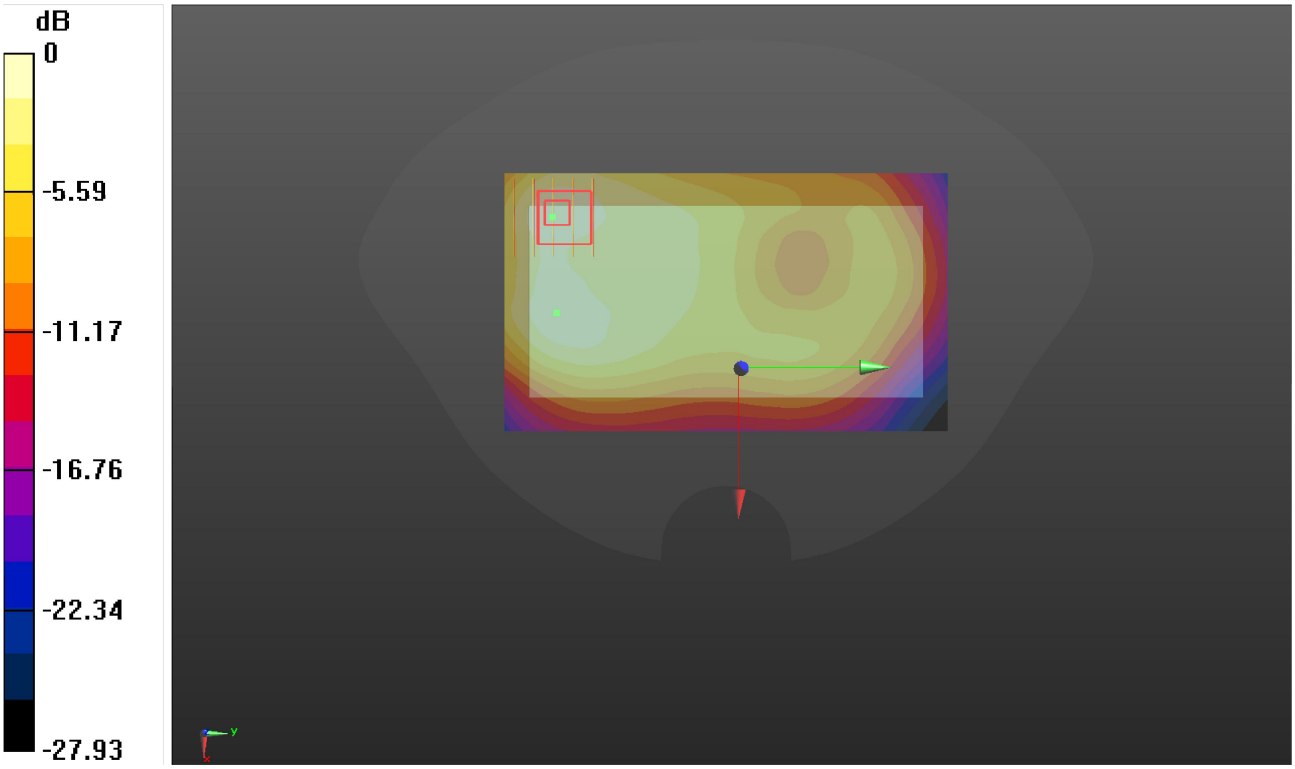
P34 LTE 2_QPSK20M_Front Face_1cm_Ch18700_1RB_OS50

Communication System: LTE; Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: HSL1950_0525 Medium parameters used: f = 1860 MHz; σ = 1.428 S/m; ε_r = 41.663; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(8.73, 8.73, 8.73) @ 1860 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.777 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.51 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.866 W/kg
SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.297 W/kg
Maximum value of SAR (measured) = 0.733 W/kg



0 dB = 0.733W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/25/2022

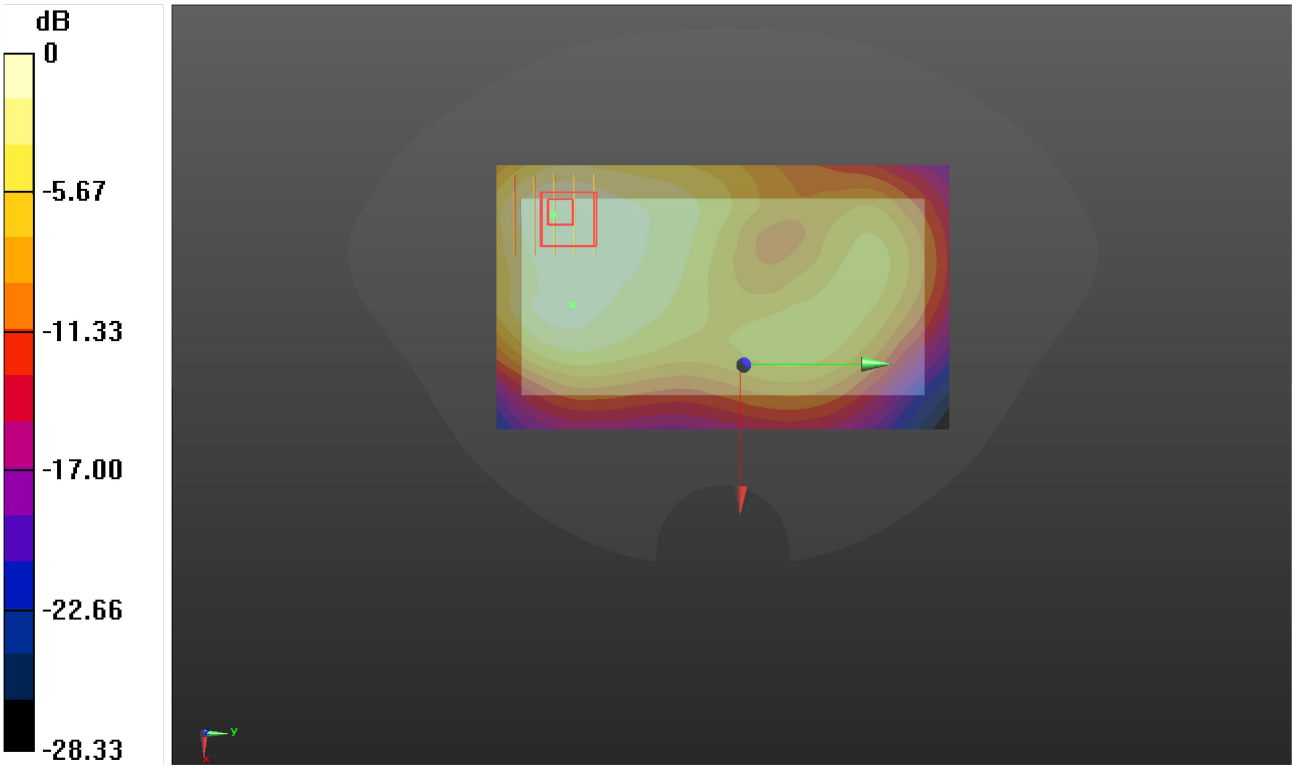
P35 LTE 4_QPSK20M_Front Face_1cm_Ch20300_1RB_OS50

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: HSL1750_0525 Medium parameters used: f = 1745 MHz; σ = 1.325 S/m; ε_r = 40.88; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(8.9, 8.9, 8.9) @ 1745 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.790 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.22 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.945 W/kg
SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.355 W/kg
Maximum value of SAR (measured) = 0.811 W/kg



0 dB = 0.811 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/24/2022

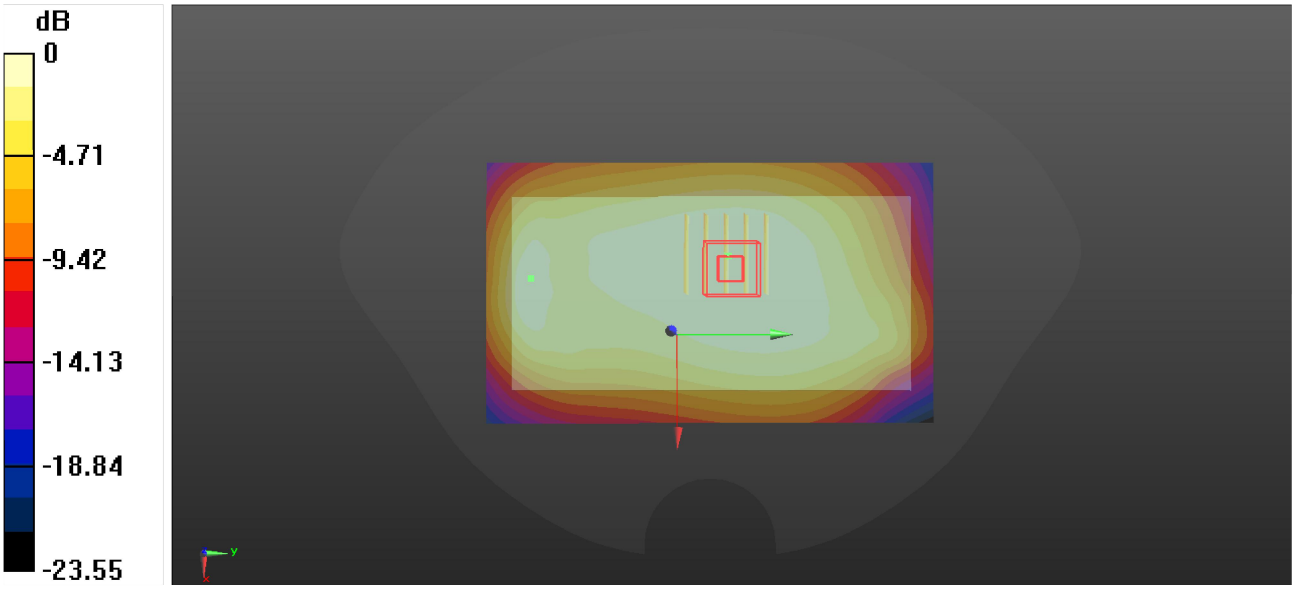
P36 LTE 5_QPSK10M_Rear Face_1cm_Ch20525_1RB_OS24

Communication System: LTE; Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium: HSL835_0524 Medium parameters used (interpolated): f = 836.5 MHz; σ = 0.912 S/m; ε_r = 43.007; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(10.57, 10.57, 10.57) @ 836.5 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.542 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.33 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.614 W/kg
SAR(1 g) = 0.438 W/kg; SAR(10 g) = 0.330 W/kg
Maximum value of SAR (measured) = 0.544 W/kg



0 dB = 0.544 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/24/2022

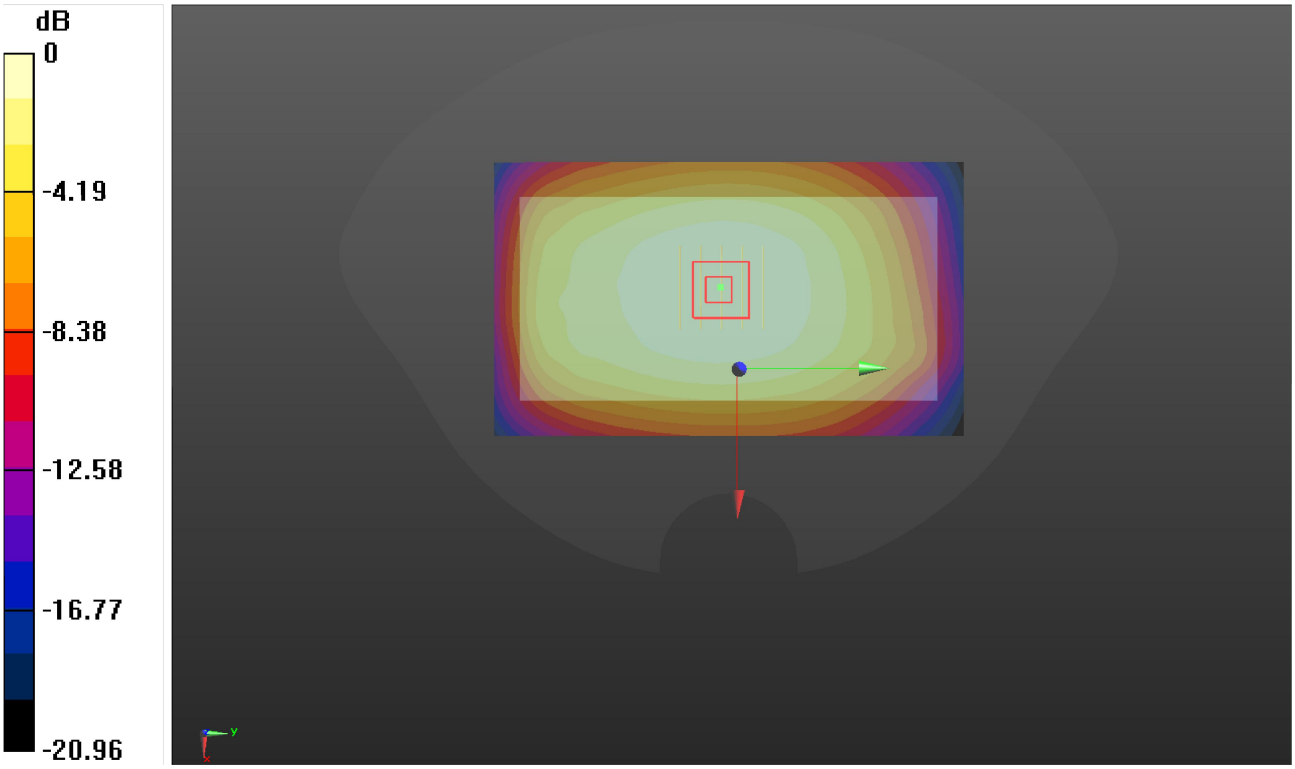
P37 LTE 12_QPSK10M_Rear Face_1cm_Ch23130_1RB_OS24

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: HSL750_0524 Medium parameters used: f = 711 MHz; σ = 0.853 S/m; ε_r = 43.358; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(11.02, 11.02, 11.02) @ 711 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.438 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.43 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.488 W/kg
SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.269 W/kg
Maximum value of SAR (measured) = 0.436 W/kg



0 dB = 0.436 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/24/2022

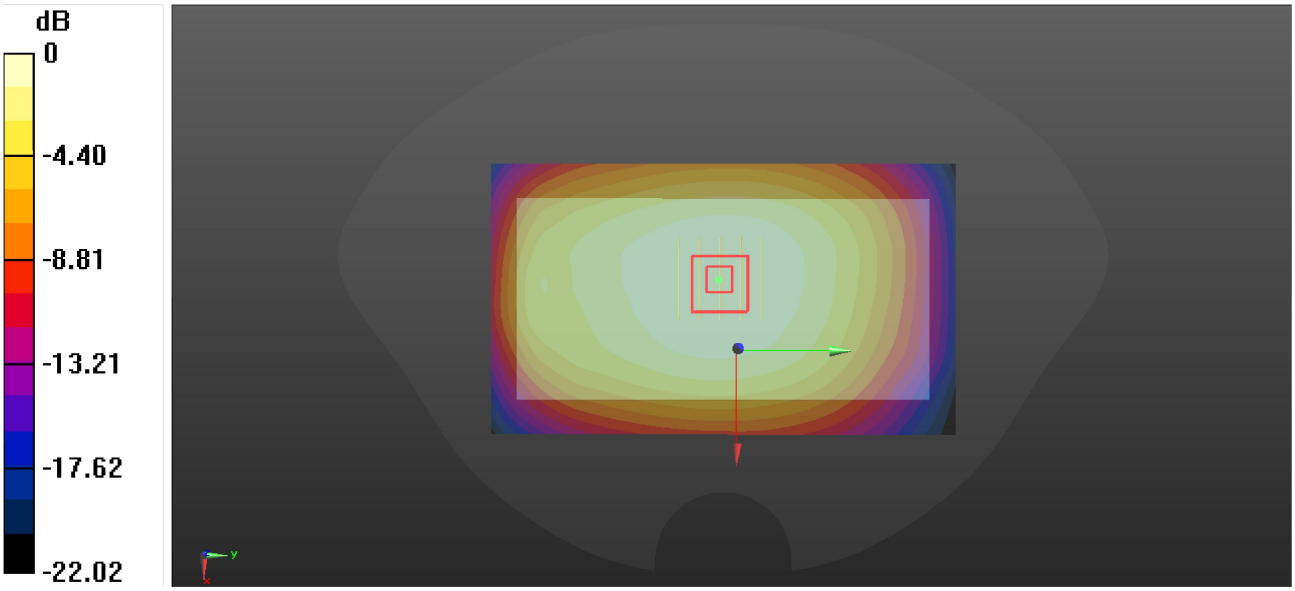
P38 LTE 14_QPSK10M_Rear Face_1cm_Ch23330_1RB_OS24

Communication System: LTE; Frequency: 793 MHz;Duty Cycle: 1:1
Medium: HSL750_0524 Medium parameters used: f = 793 MHz; σ = 0.878 S/m; ε_r = 43.102; ρ = 1000 kg/m^3
Ambient Temperature：23.3℃; Liquid Temperature：22.5℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(11.02, 11.02, 11.02) @ 793 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.782 W/kg

-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.66 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.870 W/kg
SAR(1 g) = 0.631 W/kg; SAR(10 g) = 0.478 W/kg
Maximum value of SAR (measured) = 0.778 W/kg



0 dB = 0.778 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/25/2022

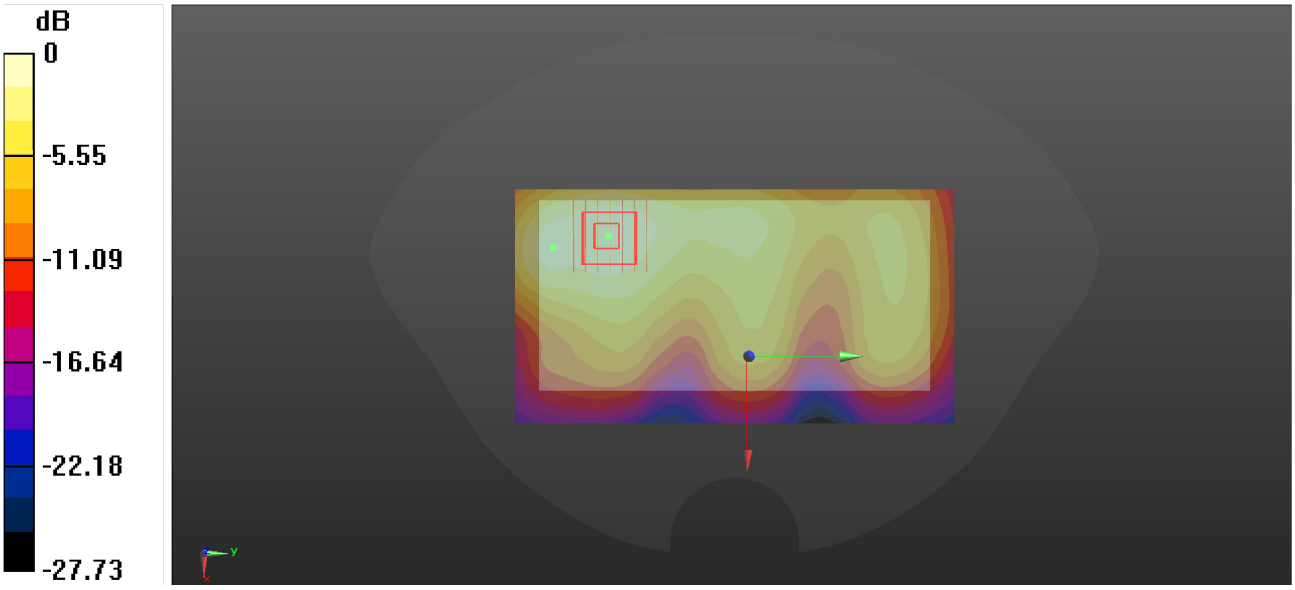
P39 LTE 30_QPSK10M_Front Face_1cm_Ch27710_1RB_OS24

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL2300_0525 Medium parameters used: f = 2310 MHz; σ = 1.711 S/m; ε_r = 39.963; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(8.22, 8.22, 8.22) @ 2310 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (81x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.718 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.771 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.868 W/kg
SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.279 W/kg
Maximum value of SAR (measured) = 0.724 W/kg



0 dB = 0.724 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/26/2022

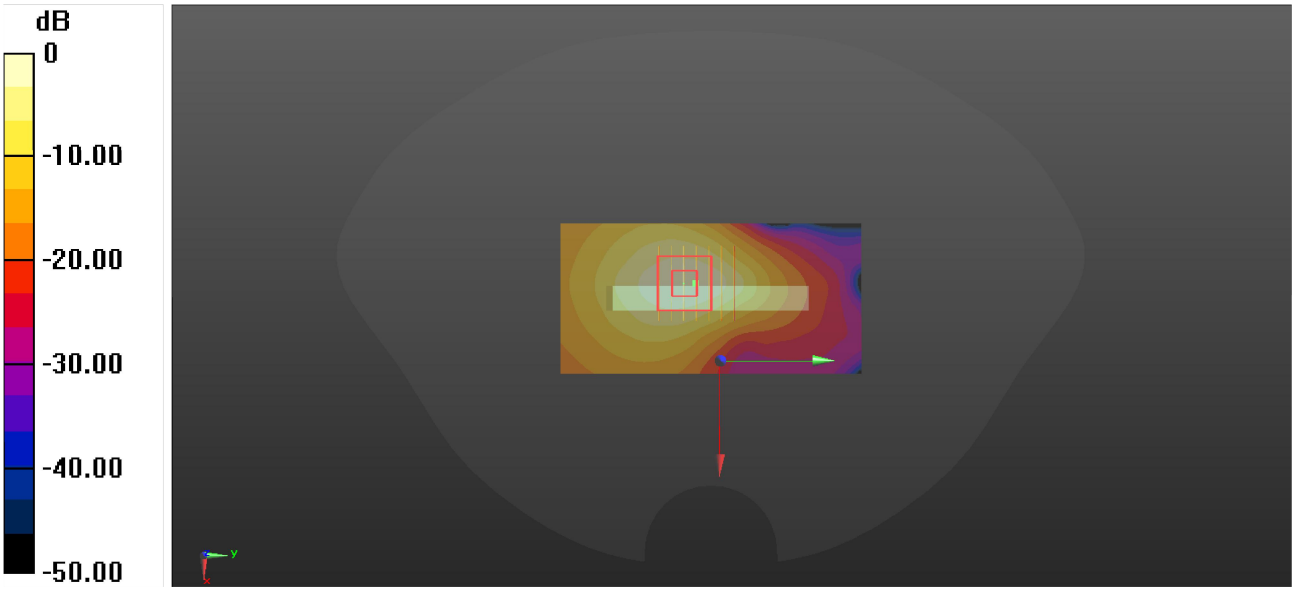
P40 802.11b_Top Side_1cm_Ch6

Communication System: 802.11b; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: HSL2450_0526 Medium parameters used: f = 2437 MHz; σ = 1.808 S/m; ε_r = 39.448; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(7.9, 7.9, 7.9) @ 2437 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.890 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.69 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.523 W/kg; SAR(10 g) = 0.252 W/kg
Maximum value of SAR (measured) = 0.845 W/kg



0 dB = 0.845 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/26/2022

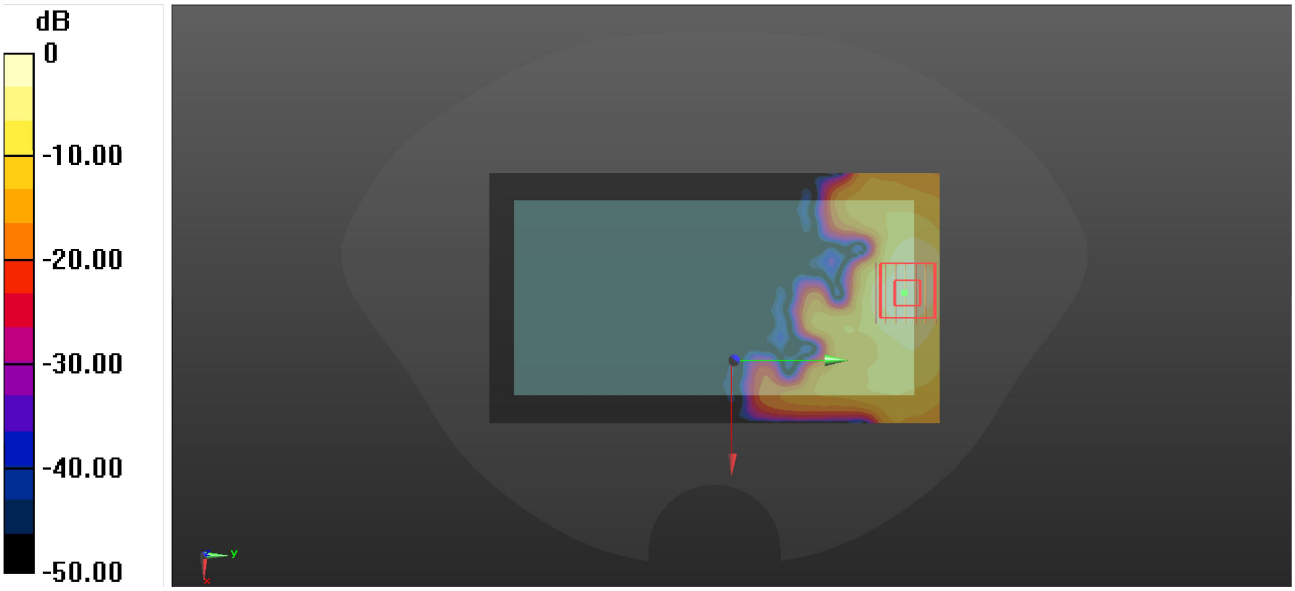
P41 802.11a_Rear Face_1cm_Ch40

Communication System: 802.11a; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: HSL5G_0526 Medium parameters used: f = 5200 MHz; σ = 4.565 S/m; ε_r = 36.823; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(5.54, 5.54, 5.54) @ 5200 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.911 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.121 W/kg
Maximum value of SAR (measured) = 0.798 W/kg



0 dB = 0.798 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/26/2022

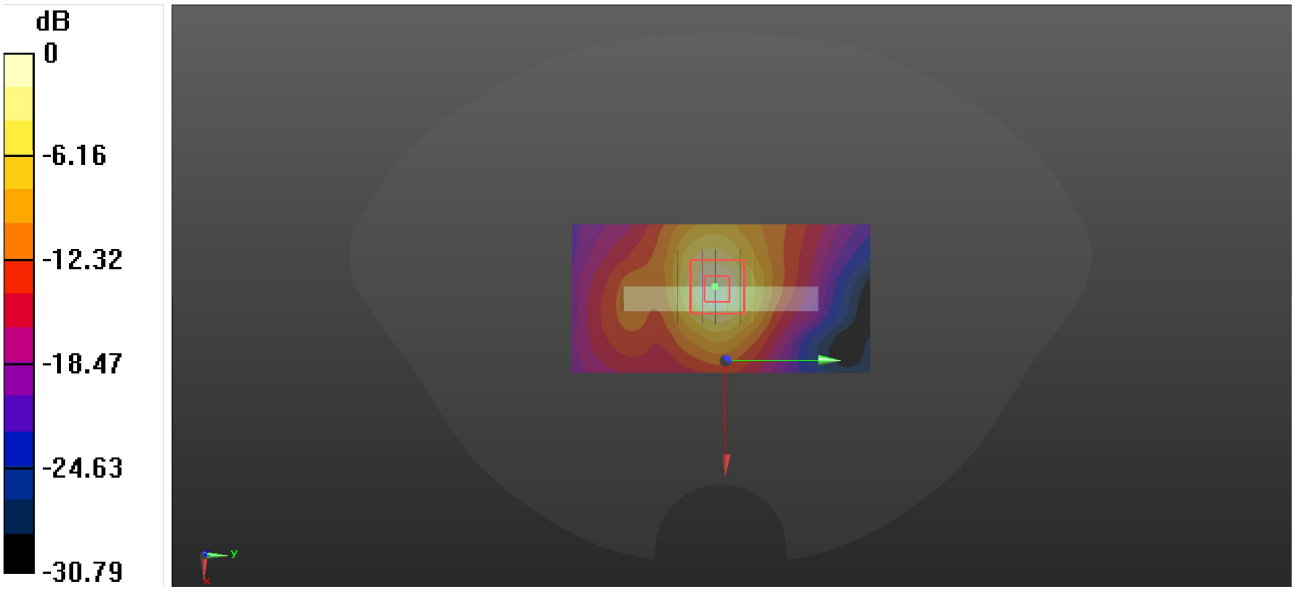
P42 802.11a_Top Side_1cm_Ch149

Communication System: 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: HSL5G_0526 Medium parameters used: f = 5745 MHz; σ = 5.273 S/m; ε_r = 36.092; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(5.2, 5.2, 5.2) @ 5745 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (51x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.23 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.77 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 3.84 W/kg
SAR(1 g) = 0.889 W/kg; SAR(10 g) = 0.303 W/kg
Maximum value of SAR (measured) = 2.17 W/kg



0 dB = 2.17 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/26/2022

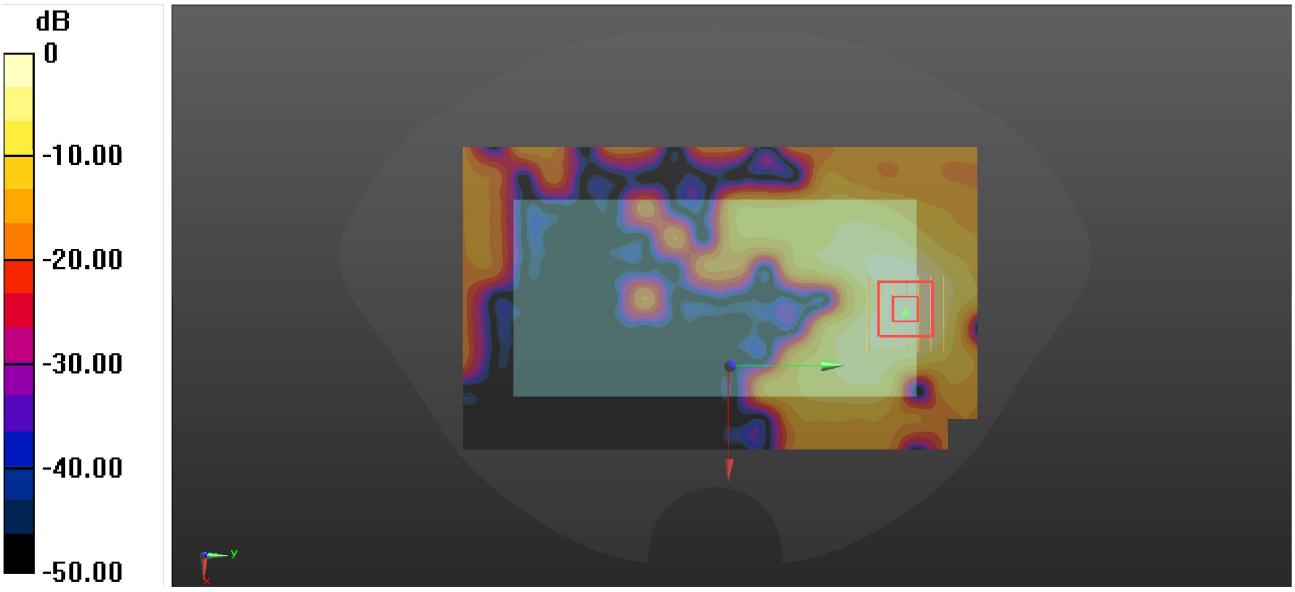
P43 BT_GFSK_Rear Face_1cm_Ch39

Communication System: BT; Frequency: 2441 MHz;Duty Cycle: 1:1.3
Medium: HSL2450_0526 Medium parameters used: f = 2441 MHz; σ = 1.81 S/m; ε_r = 39.443; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(7.9, 7.9, 7.9) @ 2441 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x171x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0449 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0620 W/kg
SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0496 W/kg



0 dB = 0.0496 W/kg

Test Laboratory: ritt 7 Layers SAR/HAC Testing Lab Date: 05/25/2022

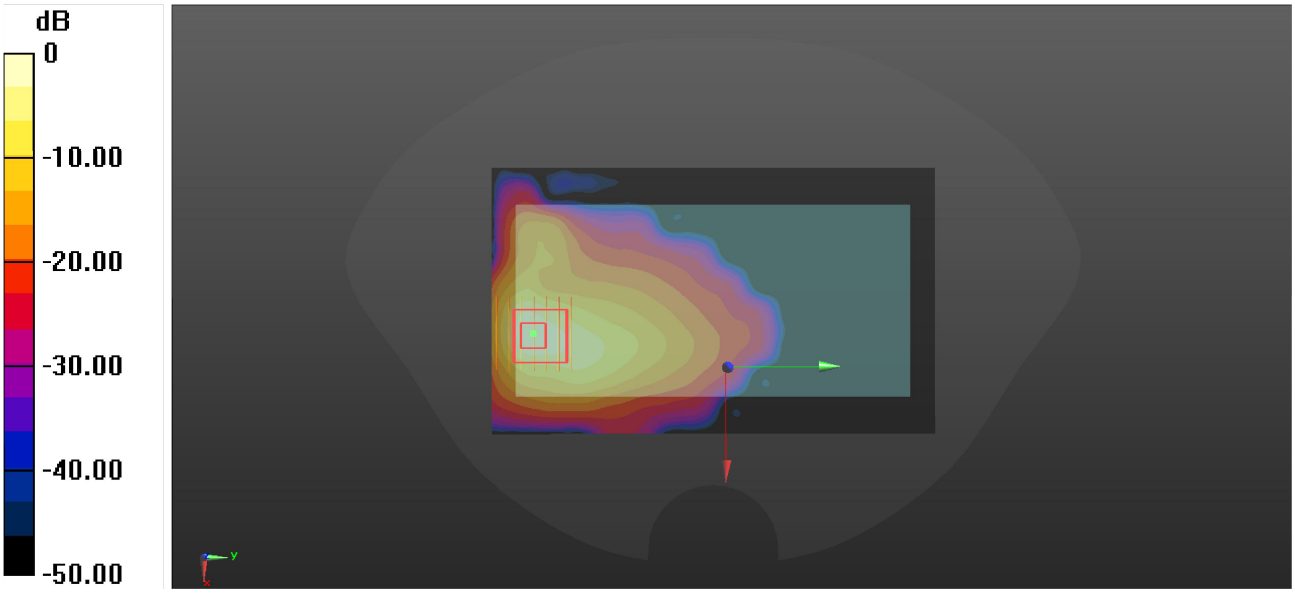
P44 LTE 30_QPSK10M_Reaar Face_0cm_Ch27710_1RB_OS24

Communication System: LTE; Frequency: 2310 MHz;Duty Cycle: 1:1
Medium: HSL2300_0525 Medium parameters used: f = 2310 MHz; σ = 1.711 S/m; ε_r = 39.963; ρ = 1000 kg/m^3
Ambient Temperature：23.1℃; Liquid Temperature：22.2℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(8.22, 8.22, 8.22) @ 2310 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (91x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 6.44 W/kg

-Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.010 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 10.7 W/kg
SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.26 W/kg
Maximum value of SAR (measured) = 7.81 W/kg



0 dB = 7.81 W/kg

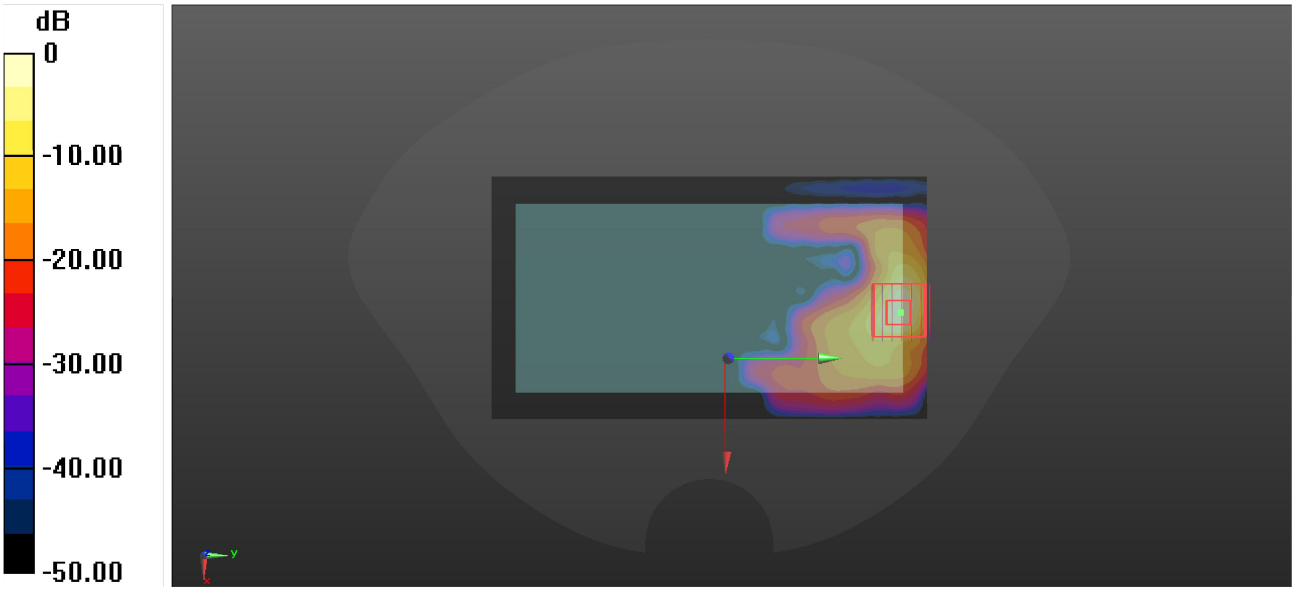
P45 802.11a_Rear Face_0cm_Ch52

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: HSL5G_0526 Medium parameters used: f = 5260 MHz; σ = 4.643 S/m; ε_r = 36.732; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(5.54, 5.54, 5.54) @ 5260 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 13.1 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 26.0 W/kg
SAR(1 g) = 4.52 W/kg; SAR(10 g) = 1.01 W/kg
Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg

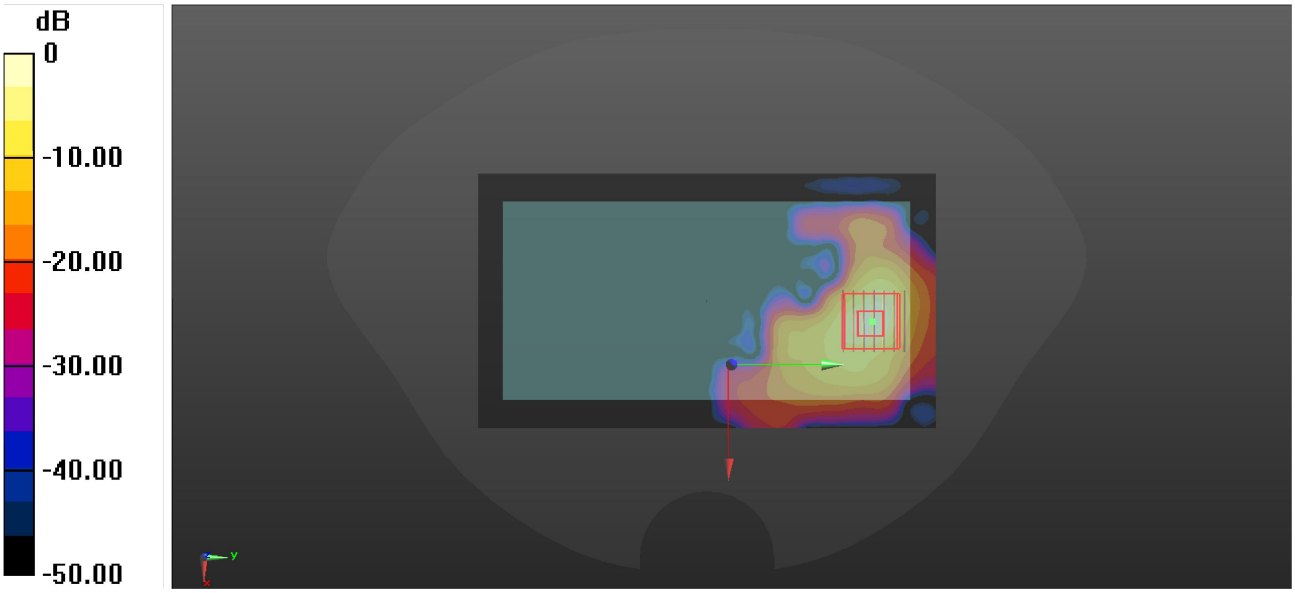
P46 802.11a_Rear Face_0cm_Ch140

Communication System: 802.11a; Frequency: 5700 MHz;Duty Cycle: 1:1
Medium: HSL5G_0526 Medium parameters used: f = 5700 MHz; σ = 5.222 S/m; ε_r = 35.887; ρ = 1000 kg/m^3
Ambient Temperature：22.9℃; Liquid Temperature：22.1℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7612; ConvF(5.11, 5.11, 5.11) @ 5700 MHz; Calibrated: 01/27/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1633; Calibrated: 10/26/2021
- Phantom: Twin-SAM; Type: QD 000 P41 Ax; Serial: 2018
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

-Area Scan (101x181x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 14.6 W/kg

-Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 40.5 W/kg
SAR(1 g) = 6.22 W/kg; SAR(10 g) = 1.38 W/kg
Maximum value of SAR (measured) = 18.5 W/kg



0 dB = 18.5 W/kg

Appendix C. Calibration Certificate for Probe and Dipole

The SPEAG calibration certificates are shown as follows.