



# Appendix B

## Detailed Test Results

1. LTE
LTE Band 48 for Body
2. WiFi
WiFi 2.4G for Body
WiFi 5G for Body

Test Laboratory: SGS-SAR Lab

## Inspire\_ 4 LTE Band 48 20M QPSK 50RB25 56640CH Back side 0mm

**DUT: Inspire\_ 4; Type: tablet; Serial: IP0120133985**

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 3690 MHz;Duty Cycle: 1:1.57906

Medium: HSL3700;Medium parameters used:  $f = 3690$  MHz;  $\sigma = 3.215$  S/m;  $\epsilon_r = 37.622$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(6.67, 6.67, 6.67); Calibrated: 2020-04-01
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

**Configuration/Body/Area Scan (10x10x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.819 W/kg

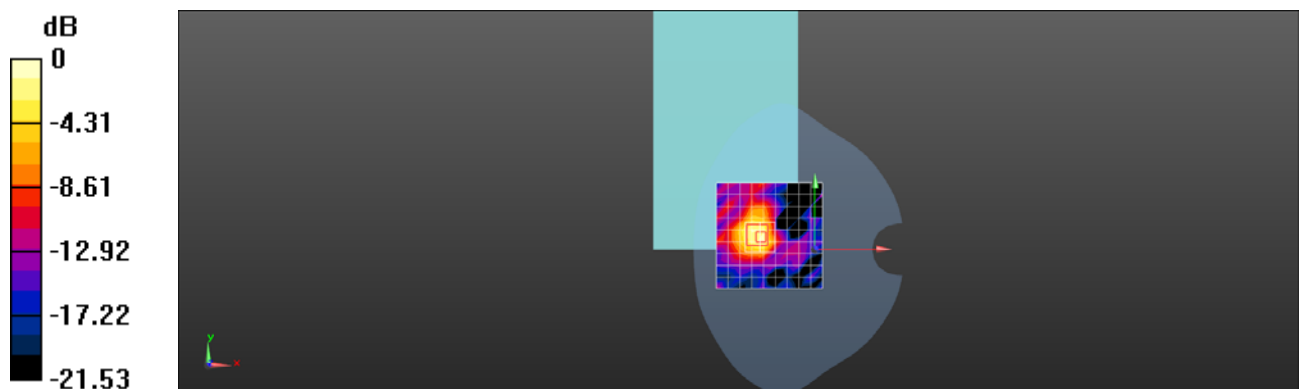
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.496 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.37 W/kg

**SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.380 W/kg**

Maximum value of SAR (measured) = 0.950 W/kg



0 dB = 0.950 W/kg = -0.22 dBW/kg

Test Laboratory: SGS-SAR Lab

## Inspire\_4 2.4G WIFI 802.11b 6CH Top side 0mm chain1

**DUT: Inspire\_4; Type: tablet; Serial: IP0120133985**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.005

Medium: HSL2450;Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.782$  S/m;  $\epsilon_r = 40.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.6, 7.6, 7.6); Calibrated: 2020-04-01
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

**Configuration/Body/Area Scan (7x16x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.360 W/kg

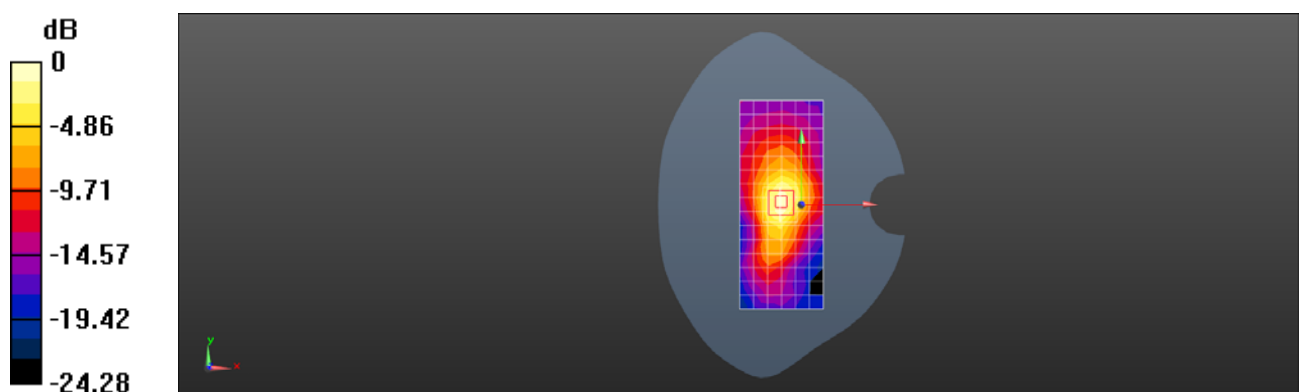
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.65 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.729 W/kg

**SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.170 W/kg**

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



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

Test Laboratory: SGS-SAR Lab

## Inspire\_4 2.4G WIFI 802.11b 1CH Left side 0mm chain2

**DUT: Inspire\_4; Type: tablet; Serial: IP0120133985**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2412 MHz;Duty Cycle: 1:1.005

Medium: HSL2450;Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.752$  S/m;  $\epsilon_r = 40.376$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.6, 7.6, 7.6); Calibrated: 2020-04-01
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

**Configuration/Body/Area Scan (7x11x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.380 W/kg

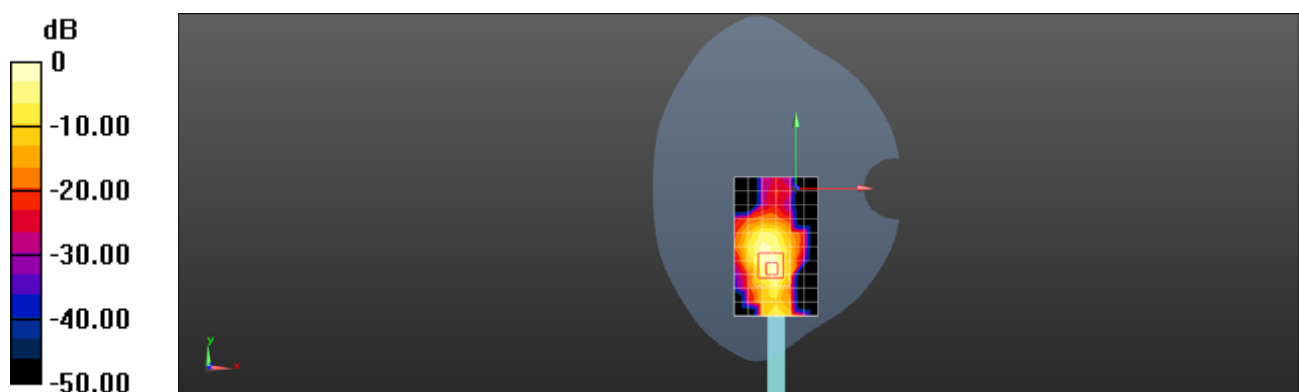
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.107 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.576 W/kg

**SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.104 W/kg**

Maximum value of SAR (measured) = 0.459 W/kg



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

Test Laboratory: SGS-SAR Lab

## Inspire\_4 2.4G WIFI 802.11g 6CH Back side 0mm MIMO

**DUT: Inspire\_4; Type: tablet; Serial: IP0120133985**

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1.033

Medium: HSL2450;Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.782$  S/m;  $\epsilon_r = 40.347$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(7.6, 7.6, 7.6); Calibrated: 2020-04-01
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: SAM 3; Type: SAM; Serial: 1912
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

**Configuration/Body/Area Scan (7x10x1):** Measurement grid: dx=12mm, dy=12mm  
Maximum value of SAR (measured) = 0.709 W/kg

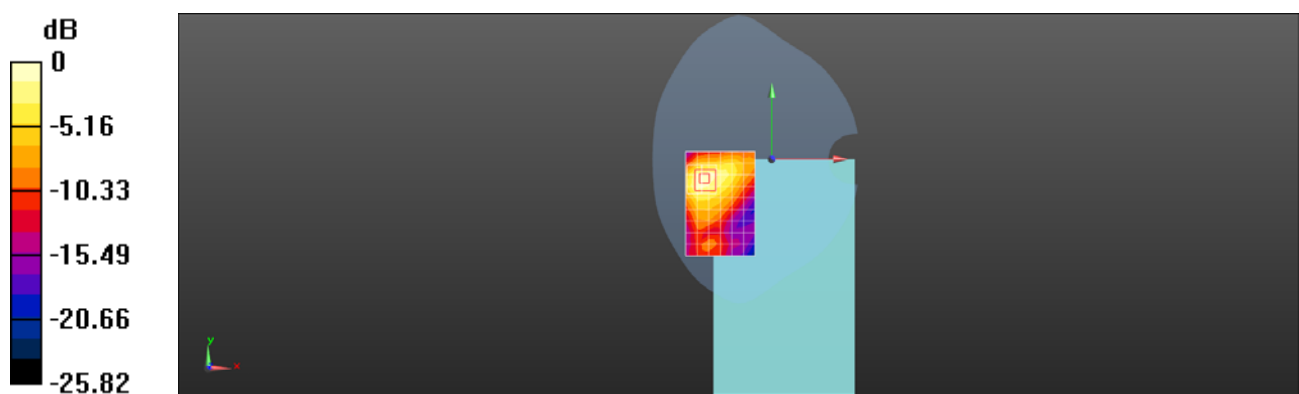
**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.944 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.929 W/kg

**SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.232 W/kg**

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



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

Test Laboratory: SGS-SAR Lab

## Inspire\_4 5G WIFI 802.11n 40M 151CH Right side 0mm chain1

**DUT: Inspire\_4; Type: tablet; Serial: IP0120133985**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5755 MHz;Duty Cycle: 1:1.068

Medium: HSL5G;Medium parameters used:  $f = 5755$  MHz;  $\sigma = 5.291$  S/m;  $\epsilon_r = 34.492$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(4.88, 4.88, 4.88); Calibrated: 2020-04-01
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: ELI v5.0; Type: ELI; Serial: 1123
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.49 W/kg

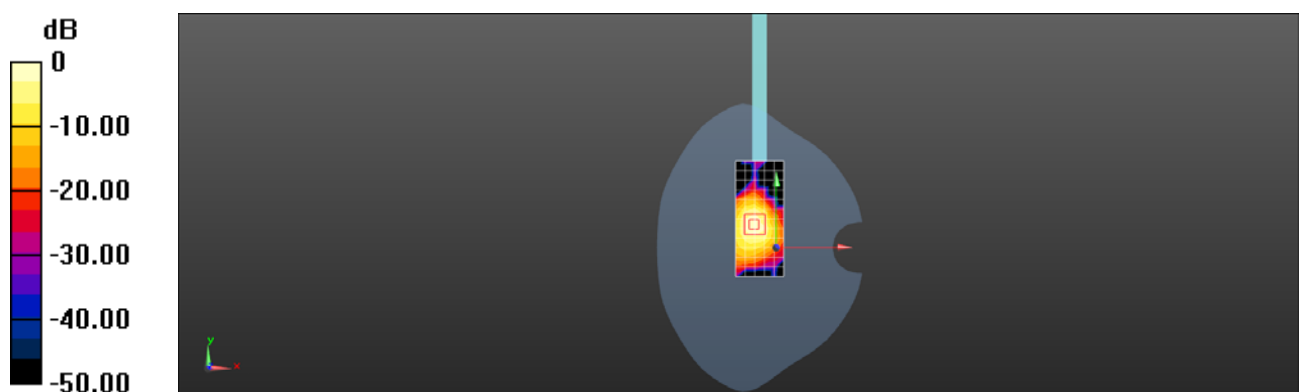
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 3.743 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.49 W/kg

**SAR(1 g) = 0.699 W/kg; SAR(10 g) = 0.244 W/kg**

Maximum value of SAR (measured) = 1.56 W/kg



0 dB = 1.56 W/kg = 1.93 dBW/kg

Test Laboratory: SGS-SAR Lab

## Inspire\_4 5G WIFI 802.11n 40M 134CH Left side 0mm chain2

**DUT: Inspire\_4; Type: tablet; Serial: IP0120133985**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5670 MHz;Duty Cycle: 1:1.068

Medium: HSL5G;Medium parameters used:  $f = 5670$  MHz;  $\sigma = 5.193$  S/m;  $\epsilon_r = 34.775$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(4.82, 4.82, 4.82); Calibrated: 2020-04-01
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: ELI v5.0; Type: ELI; Serial: 1123
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

**Configuration/Body/Area Scan (6x13x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.59 W/kg

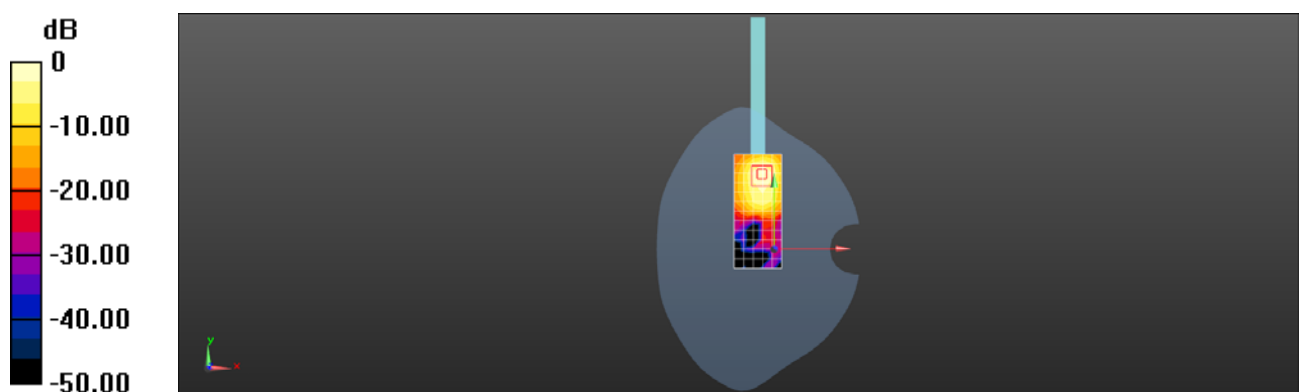
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.5210 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 3.42 W/kg

**SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.229 W/kg**

Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

Test Laboratory: SGS-SAR Lab

## Inspire\_4 5G WIFI 802.11n 40M 126CH Right side 0mm MIMO

**DUT: Inspire\_4; Type: tablet; Serial: IP0120133985**

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5630 MHz;Duty Cycle: 1:1.068

Medium: HSL5G;Medium parameters used:  $f = 5630$  MHz;  $\sigma = 5.134$  S/m;  $\epsilon_r = 34.792$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN3962; ConvF(4.82, 4.82, 4.82); Calibrated: 2020-04-01
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: ELI v5.0; Type: ELI; Serial: 1123
- DASY52 52.10.3(1513); SEMCAD X 14.6.13(7474)

**Configuration/Body/Area Scan (7x28x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.13 W/kg

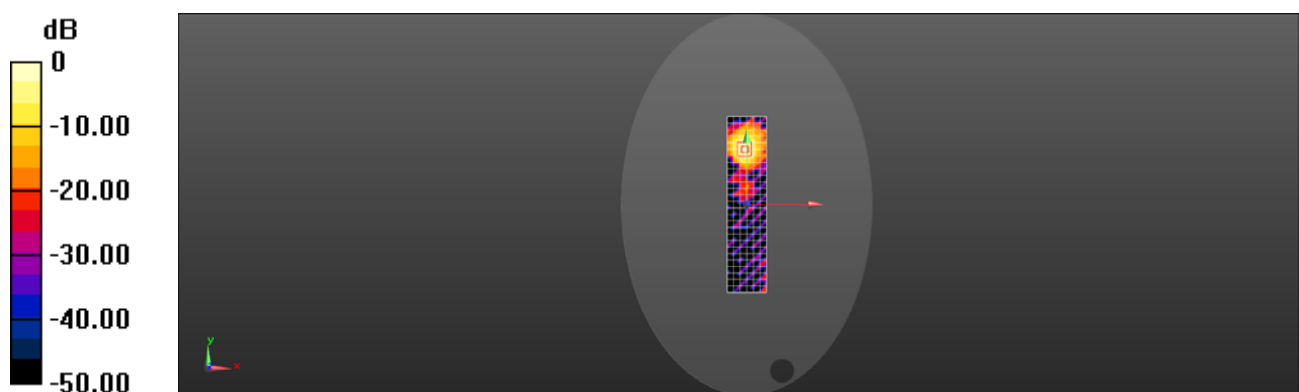
**Configuration/Body/Zoom Scan (7x7x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.346 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.169 W/kg**

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



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