APPENDIX A. SAR System Verification Data

The plots for system verification with largest deviation for each SAR system combination are shown as follows.

Date/Time: 12/02/2015

Test Laboratory: Cerpass Lab
SystemPerformanceCheck-D2450 Body
DUT: Dipole 2450 MHz D2450V2; Type: SA AAD 245 BB
Communication System: CW; Frequency: 2450 MHz
Medium parameters used: f = 2450 MHz; σ = 1.94 S/m; εr = 52.71; ρ = 1000 kg/m3
Phantom section: Flat Section; Meas. Ambient Temp (celsius) -22℃; Input power-250mW
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)
DASY Configuration:

- Probe: EX3DV4 - SN3927; ConvF(7.63, 7.63, 7.63); Calibrated: 2014/5/23;
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1379; Calibrated: 2014/5/19
- Phantom: ELI v5.0; Type: QDOVA002AA
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Configuration/SystemPerformanceCheck-D2450 Body/Area Scan (5x7x1):
Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 12.0 W/kg
Configuration/SystemPerformanceCheck-D2450 Body/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 78.28 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 26.7 W/kg
SAR(1 g) = 12.9 W/kg; SAR(10 g) = 5.97 W/kg
Maximum value of SAR (measured) = 14.8 W/kg

0 dB = 14.8 W/kg = 11.70 dBW/kg

APPENDIX B. SAR measurement Data

The SAR plots are shown as follows.

Date/Time: 12/02/2015

Test Laboratory: Cerpass Lab

DUT: lenovo flex 3-1120; Type: NFA335-ACON Ant

Procedure Name: 802.11b 2437MHz Mid Tablet-Edge 1 Main Antenna

Communication System Band: 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.94 S/m; εr = 52.72; ρ = 1000 kg/m3

Phantom section: Flat Section; Tissue Temp(celsius)- 21 ℃

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3927; ConvF(7.63, 7.63, 7.63); Calibrated: 2014/5/23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1379; Calibrated: 2014/5/19
- Phantom: ELI v5.0; Type: QDOVA002AA
- Measurement SW: DASY52, Version 52.8 (8);

Configuration/802.11b 2437MHz Mid Tablet-Edge 1 Main Antenna/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.336 W/kg

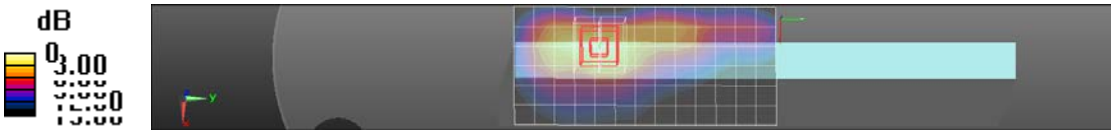
Configuration/802.11b 2437MHz Mid Tablet-Edge 1 Main Antenna/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.608 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.518 W/kg

SAR(1 g) = 0.238 W/kg; SAR(10 g) = 0.113 W/kg

Maximum value of SAR (measured) = 0.361 W/kg



0 dB = 0.361 W/kg = -4.42 dBW/kg

Date/Time: 12/02/2015

Test Laboratory: Cerpass Lab

DUT: lenovo flex 3-1120; Type: NFA335-Jiabang Ant

Procedure Name: 802.11b 2412MHz Low Tablet-Edge 1 Main Antenna

Communication System Band: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2412 MHz; σ = 1.91 S/m; εr = 52.75; ρ = 1000 kg/m3

Phantom section: Flat Section; Tissue Temp(celsius)- 21 ℃

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY5 Configuration:

- Probe: EX3DV4 - SN3927; ConvF(7.63, 7.63, 7.63); Calibrated: 2014/5/23;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1379; Calibrated: 2014/5/19
- Phantom: ELI v5.0; Type: QDOVA002AA
- Measurement SW: DASY52, Version 52.8 (8);

Configuration/802.11b 2412MHz Low Tablet-Edge 1 Main Antenna/Area Scan (7x14x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.319 W/kg

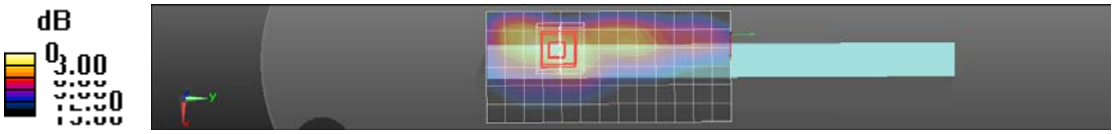
Configuration/802.11b 2412MHz Low Tablet-Edge 1 Main Antenna/Zoom Scan (7x7x6)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.764 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.327 W/kg



0 dB = 0.327 W/kg = -4.85 dBW/kg

APPENDIX C. Calibration Data for Probe, Dipole and DAE

Please refer to attached files.

APPENDIX D. Photographs of EUT and Setup

Please refer to attached files.