

Test Laboratory: KES Co., Ltd.

System verification_2450_HSL

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:896

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.87$ mho/m; $\epsilon_r = 38.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.21, 7.21, 7.21); Calibrated: 2013-11-29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-section_HSL_2450/Area Scan (41x81x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 16.1 mW/g

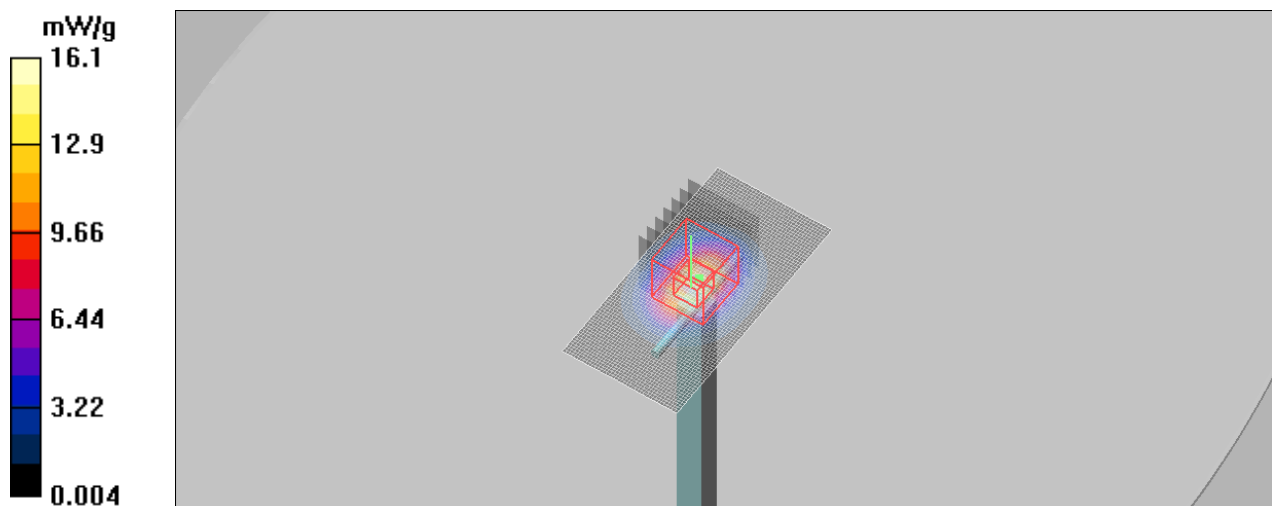
Flat-section_HSL_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.2 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 29.9 W/kg

SAR(1 g) = 13.7 mW/g; SAR(10 g) = 6.23 mW/g

Maximum value of SAR (measured) = 15.4 mW/g



Test Laboratory: KES Co., Ltd.

System verification_2450_MSL

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:896

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.92$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.11, 7.11, 7.11); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_2450/Area Scan (81x81x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 19.8 mW/g

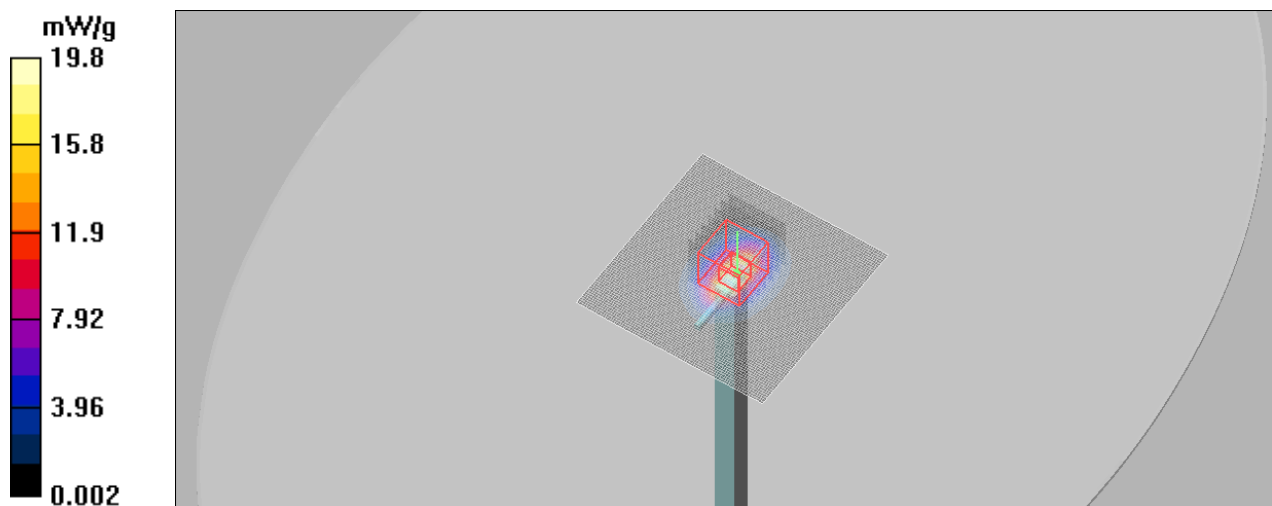
Flat-Section_MSL_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 101.8 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 26.2 W/kg

SAR(1 g) = 13.1 mW/g; SAR(10 g) = 6.2 mW/g

Maximum value of SAR (measured) = 19.6 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5200_HSL

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1130

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.51$ mho/m; $\epsilon_r = 35.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.96, 4.96, 4.96); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_5200/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 15.5 mW/g

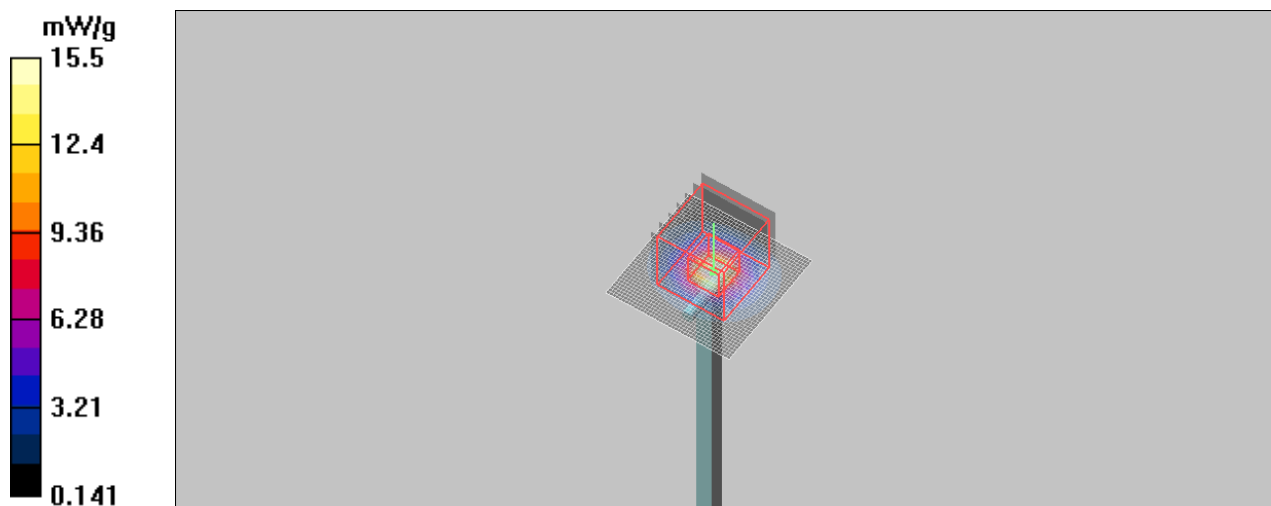
Flat-Section_HSL_5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 59.6 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 7.37 mW/g; SAR(10 g) = 2.14 mW/g

Maximum value of SAR (measured) = 15.3 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5200_MSL

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1106

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 5.22 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.83, 4.83, 4.83); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_5200/Area Scan (41x41x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (interpolated) = 17.4 mW/g

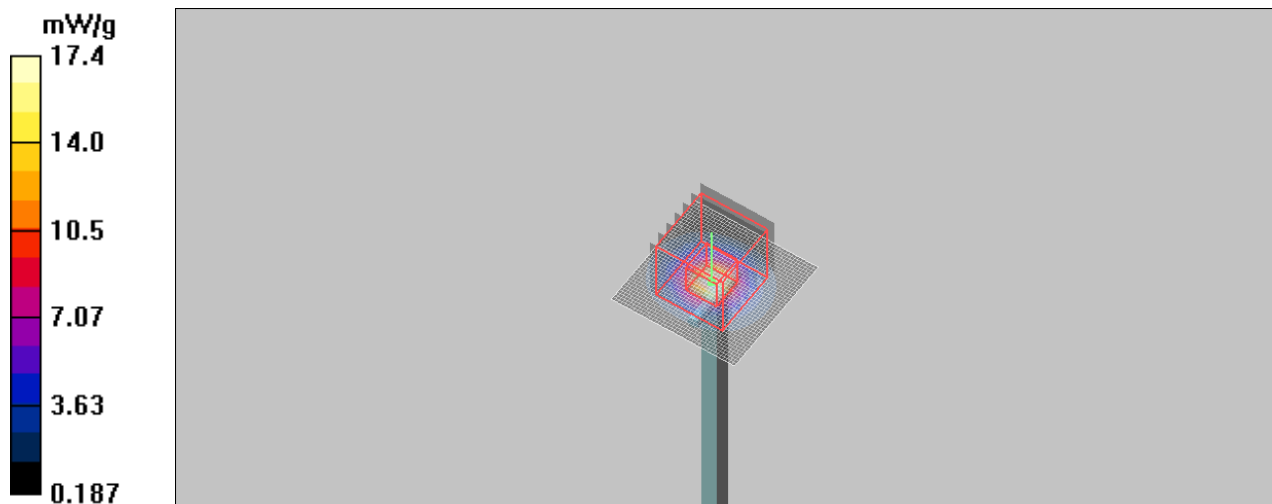
Flat-Section_MSL_5200/Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$,
 $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 61.7 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 8.13 mW/g; SAR(10 g) = 2.36 mW/g

Maximum value of SAR (measured) = 16.5 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5800_HSL

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1130

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.08$ mho/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_5800/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 18.0 mW/g

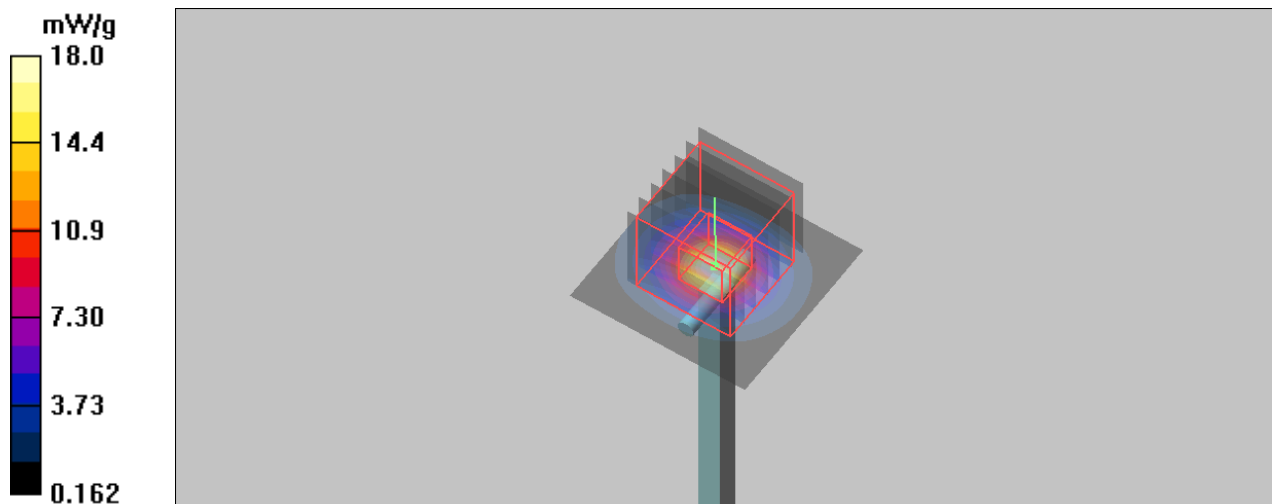
Flat-Section_HSL_5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 64.5 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 40.1 W/kg

SAR(1 g) = 8.76 mW/g; SAR(10 g) = 2.48 mW/g

Maximum value of SAR (measured) = 19.0 mW/g



Test Laboratory: KES Co., Ltd.

System verification_5800_MSL

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: D5GHzV2 - SN:1106

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.9$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.18, 4.18, 4.18); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_5800/Area Scan (41x41x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 13.7 mW/g

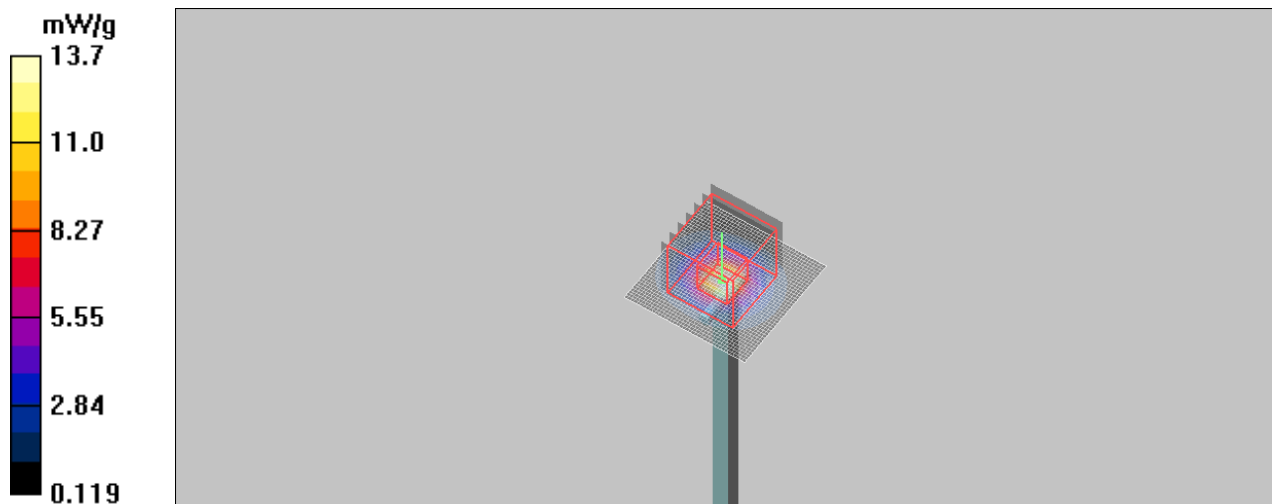
Flat-Section_MSL_5800/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 53.3 V/m; Power Drift = 0.108 dB

Peak SAR (extrapolated) = 28.3 W/kg

SAR(1 g) = 7.08 mW/g; SAR(10 g) = 1.99 mW/g

Maximum value of SAR (measured) = 15.1 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_802.11b_2437_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.21, 7.21, 7.21); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 0_Channel 6_802.11b_1Mbps/Area Scan (61x121x1):

Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 0.024 mW/g

Flat-Section_HSL_Antenna 0_Channel 6_802.11b_1Mbps/Zoom Scan (7x7x7)/Cube

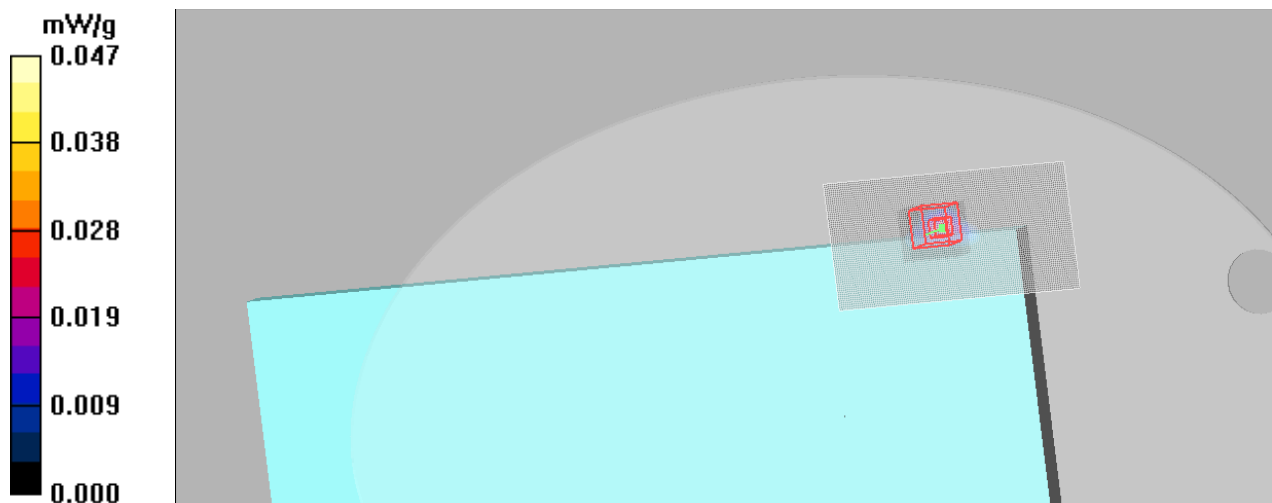
0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.050 W/kg

SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.0061 mW/g

Maximum value of SAR (measured) = 0.047 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_802.11b_2437_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.83$ mho/m; $\epsilon_r = 38.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.21, 7.21, 7.21); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 6_802.11b_1Mbps/Area Scan (61x121x1):

Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 0.087 mW/g

Flat-Section_HSL_Antenna 1_Channel 6_802.11b_1Mbps/Zoom Scan (7x7x7)/Cube

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

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.085 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_802.11b_2437_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.11, 7.11, 7.11); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 0_Channel 6_802.11b_1Mbps/Area Scan (61x121x1):

Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 0.031 mW/g

Flat-Section_MSL_Antenna 0_Channel 6_802.11b_1Mbps/Zoom Scan

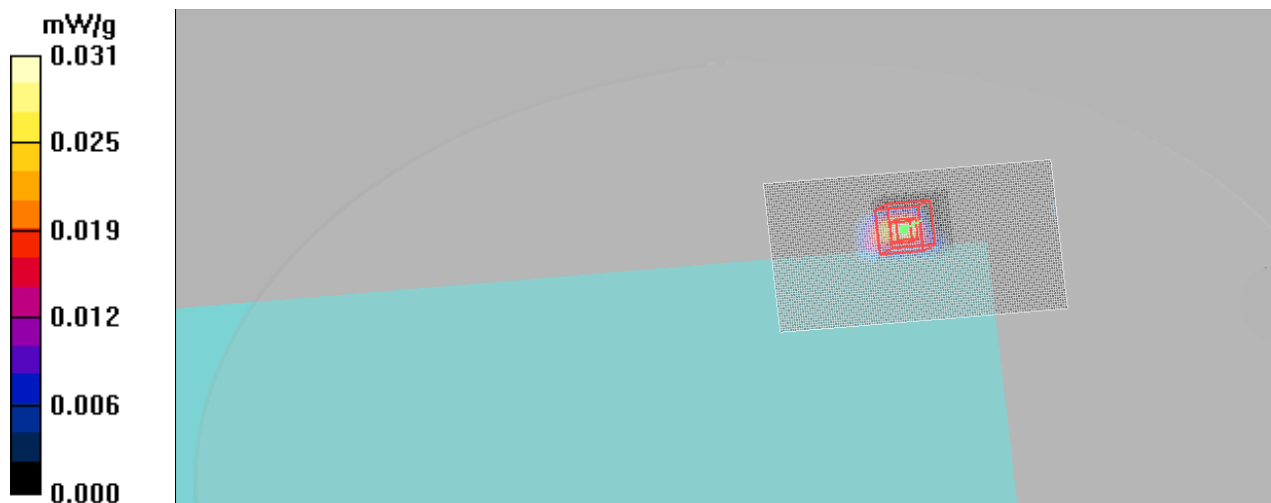
(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.010 mW/g

Maximum value of SAR (measured) = 0.059 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_802.11b_2437_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.9$ mho/m; $\epsilon_r = 51.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.11, 7.11, 7.11); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 6_802.11b_1Mbps/Area Scan (61x121x1):

Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (interpolated) = 0.131 mW/g

Flat-Section_MSL_Antenna 1_Channel 6_802.11b_1Mbps/Zoom Scan

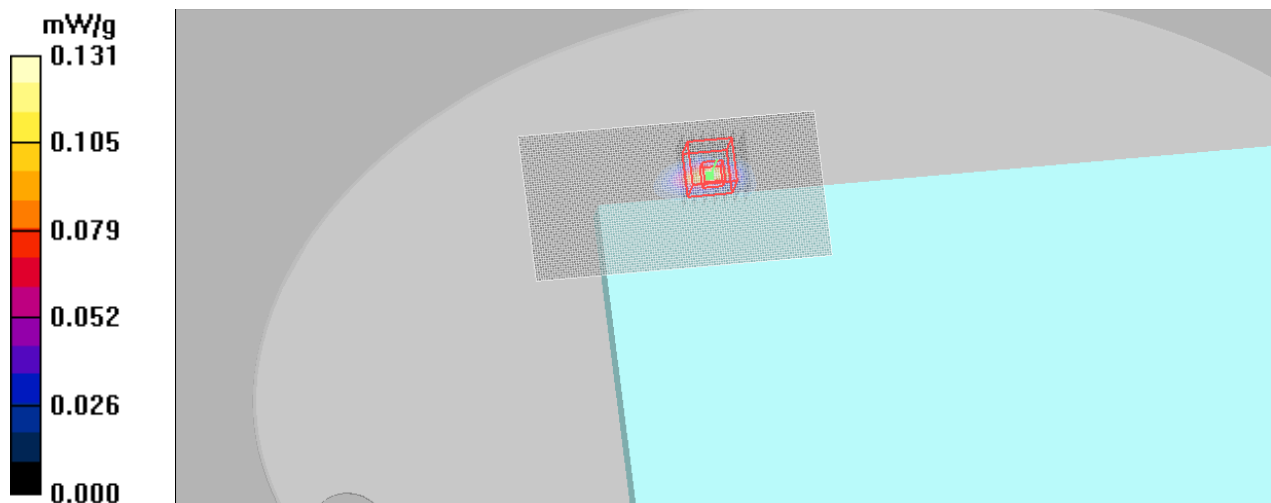
(7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.136 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5180_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 4.48$ mho/m; $\epsilon_r = 35.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.96, 4.96, 4.96); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 0_Channel 36_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.597 mW/g

Flat-Section_HSL_Antenna 0_Channel 36_UNII_6Mbps/Zoom Scan (7x7x12)/Cube

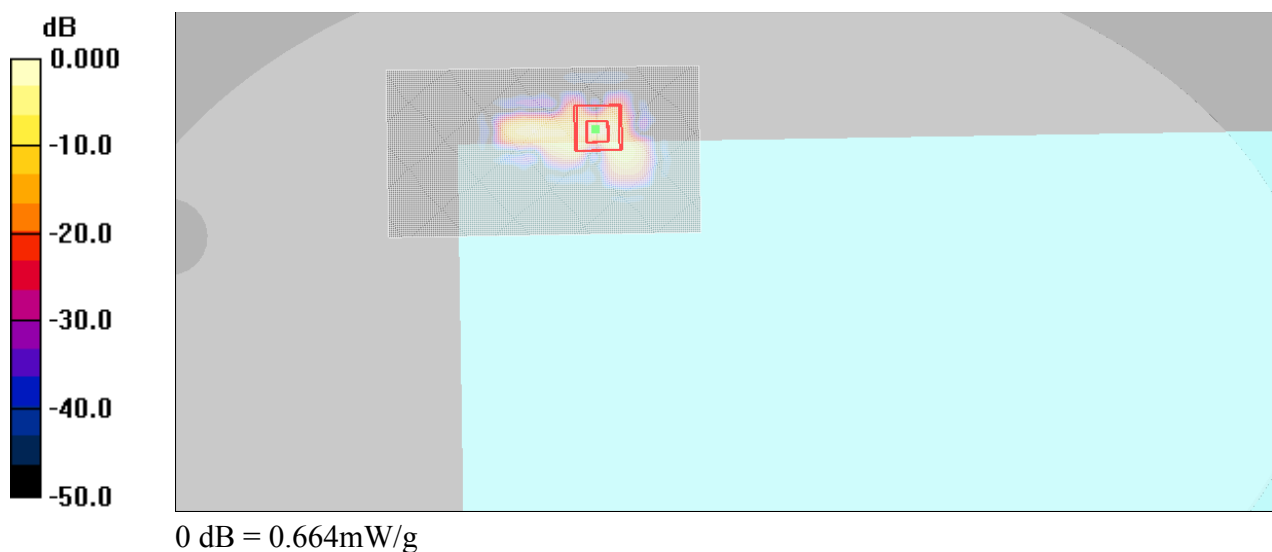
0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.664 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5220_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5220$ MHz; $\sigma = 4.53$ mho/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.96, 4.96, 4.96); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 0_Channel 44_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.465 mW/g

Flat-Section_HSL_Antenna 0_Channel 44_UNII_6Mbps/Zoom Scan (7x7x12)/Cube

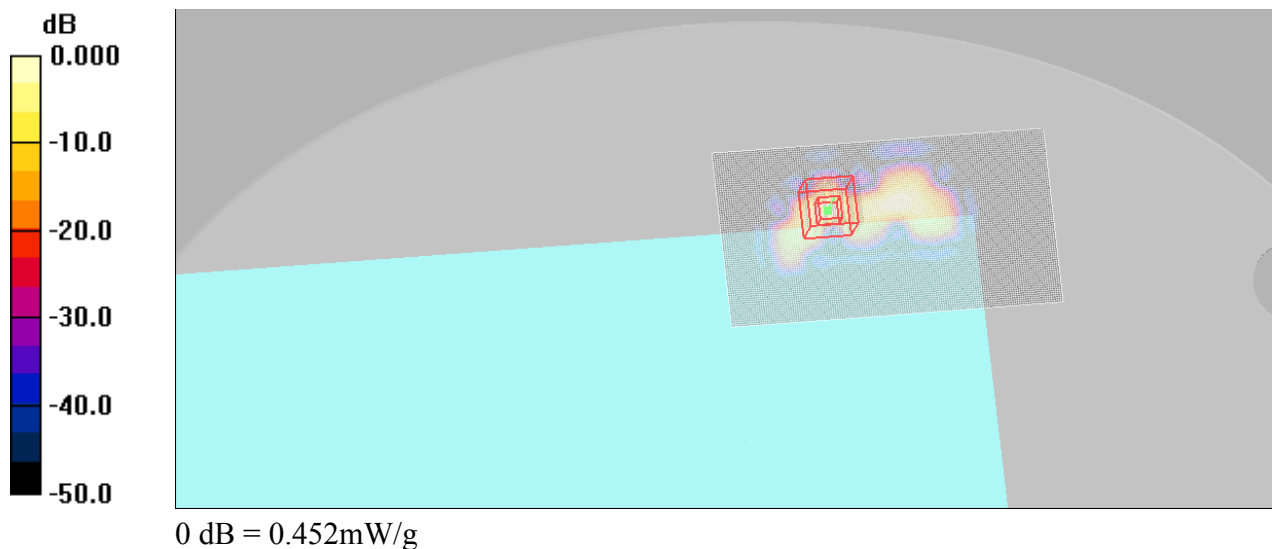
0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.811 W/kg

SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.452 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5240_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.55$ mho/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.96, 4.96, 4.96); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 0_Channel 48_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.409 mW/g

Flat-Section_HSL_Antenna 0_Channel 48_UNII_6Mbps/Zoom Scan (7x7x12)/Cube

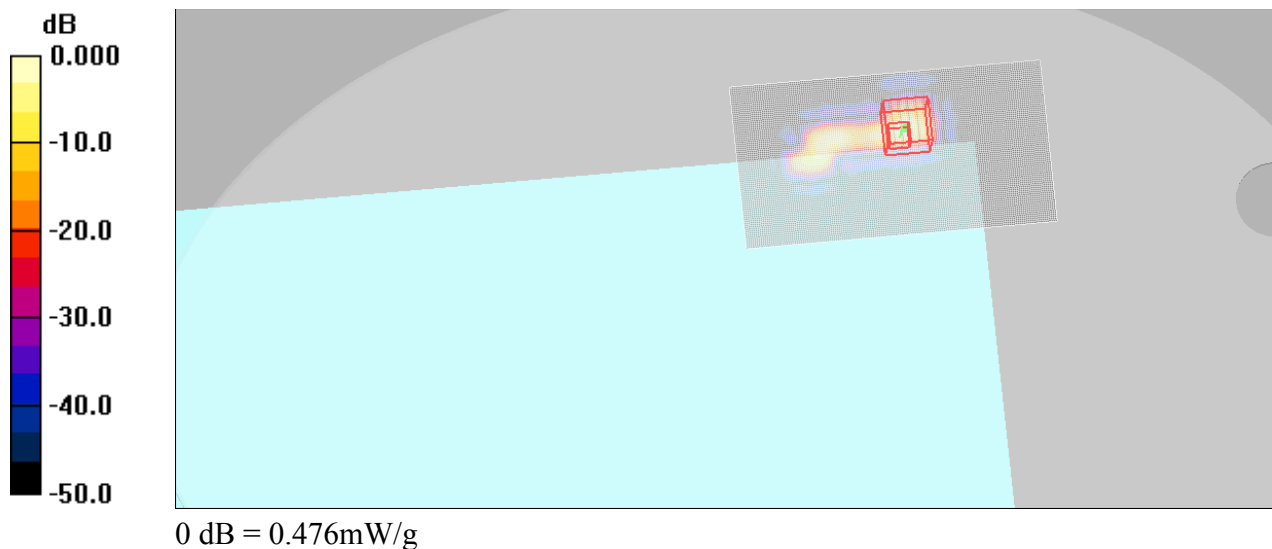
0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.782 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.476 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5180_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 4.48$ mho/m; $\epsilon_r = 35.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.96, 4.96, 4.96); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 36_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.211 mW/g

Flat-Section_HSL_Antenna 1_Channel 36_UNII_6Mbps/Zoom Scan (7x7x12)/Cube

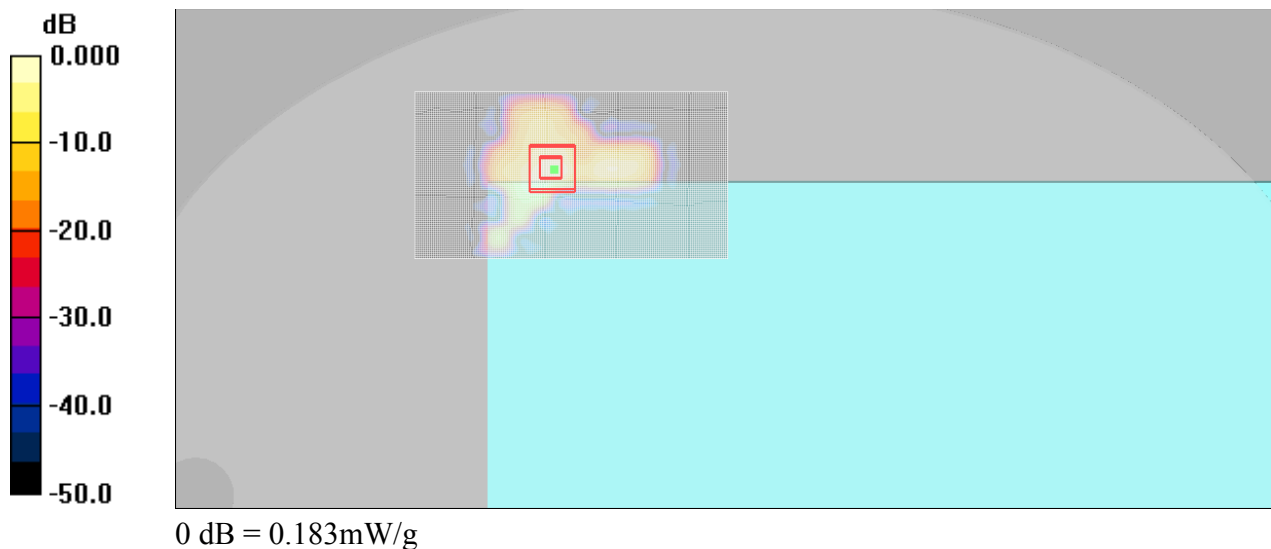
0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.308 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.183 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5220_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5220$ MHz; $\sigma = 4.53$ mho/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.96, 4.96, 4.96); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 44_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.194 mW/g

Flat-Section_HSL_Antenna 1_Channel 44_UNII_6Mbps/Zoom Scan (7x7x12)/Cube

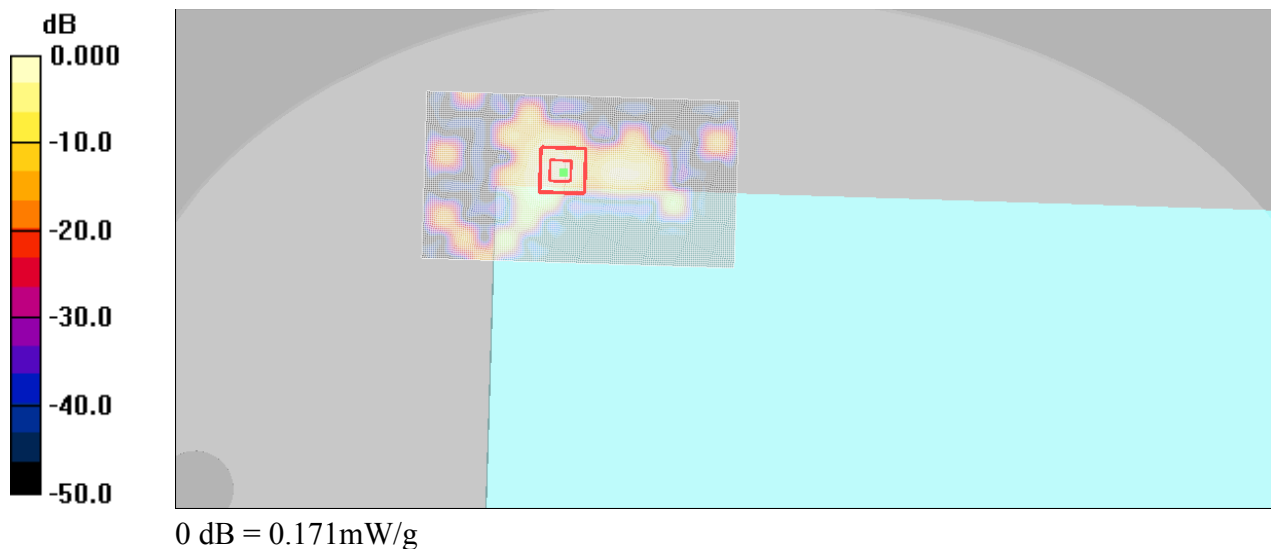
0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.171 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5240_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 4.55$ mho/m; $\epsilon_r = 35.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.96, 4.96, 4.96); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 48_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.179 mW/g

Flat-Section_HSL_Antenna 1_Channel 48_UNII_6Mbps/Zoom Scan (7x7x12)/Cube

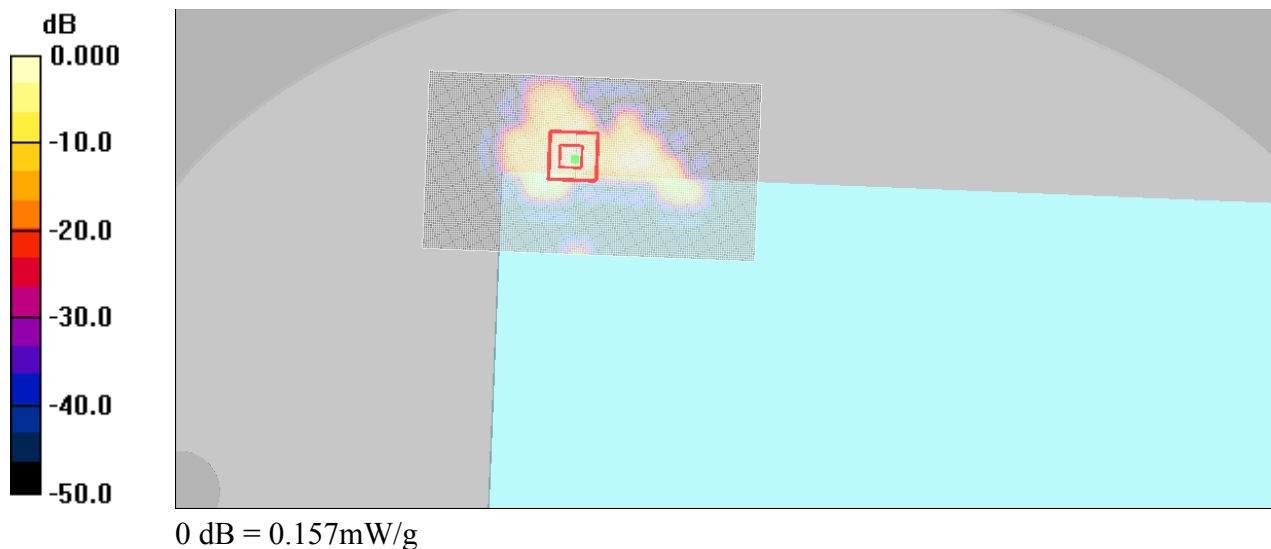
0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.256 W/kg

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.157 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5180_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.19 \text{ mho/m}$; $\epsilon_r = 49.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.83, 4.83, 4.83); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 0_Channel 36_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.398 mW/g

Flat-Section_MSL_Antenna 0_Channel 36_UNII_6Mbps/Zoom Scan

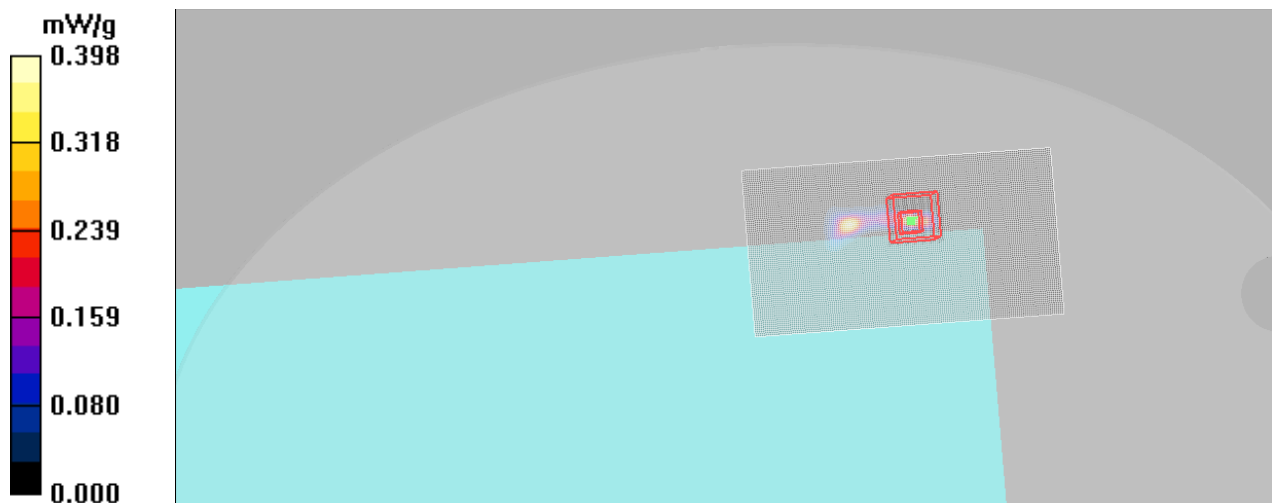
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.715 W/kg

SAR(1 g) = 0.170 mW/g ; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.382 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5220_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.23 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.83, 4.83, 4.83); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 0_Channel 44_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.380 mW/g

Flat-Section_MSL_Antenna 0_Channel 44_UNII_6Mbps/Zoom Scan

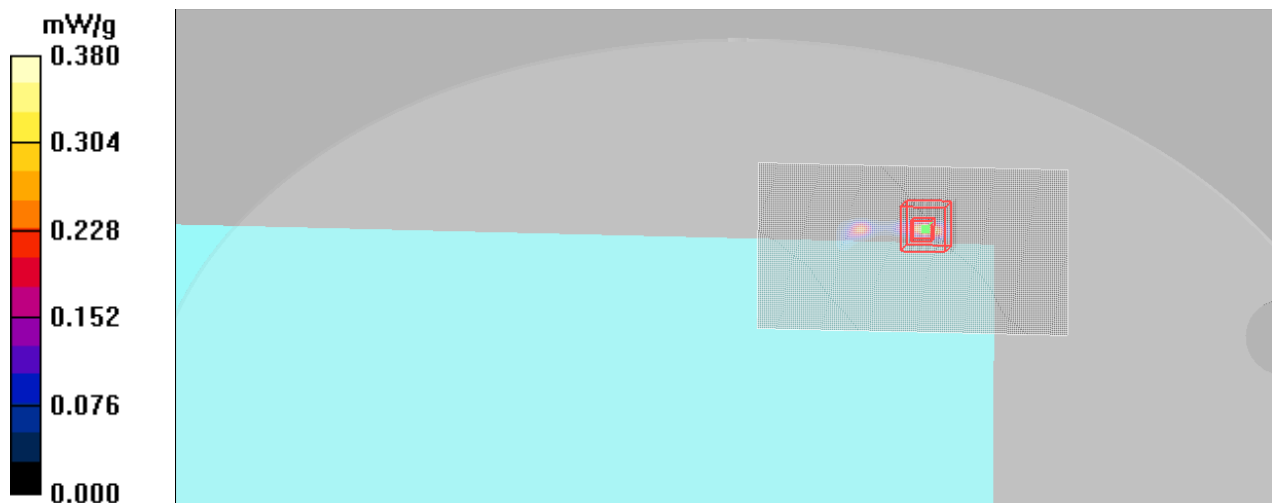
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.194 mW/g ; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.403 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5240_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.25$ mho/m; $\epsilon_r = 48.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.83, 4.83, 4.83); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 0_Channel 48_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.334 mW/g

Flat-Section_MSL_Antenna 0_Channel 48_UNII_6Mbps/Zoom Scan

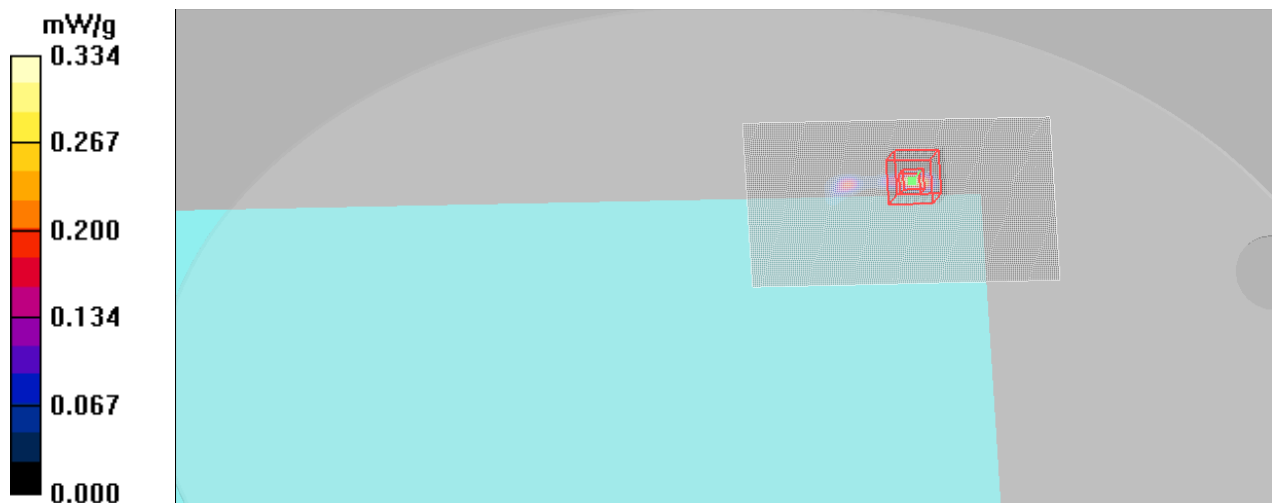
(7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.626 W/kg

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.323 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5180_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.19 \text{ mho/m}$; $\epsilon_r = 49.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.83, 4.83, 4.83); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 36_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.178 mW/g

Flat-Section_MSL_Antenna 1_Channel 36_UNII_6Mbps/Zoom Scan

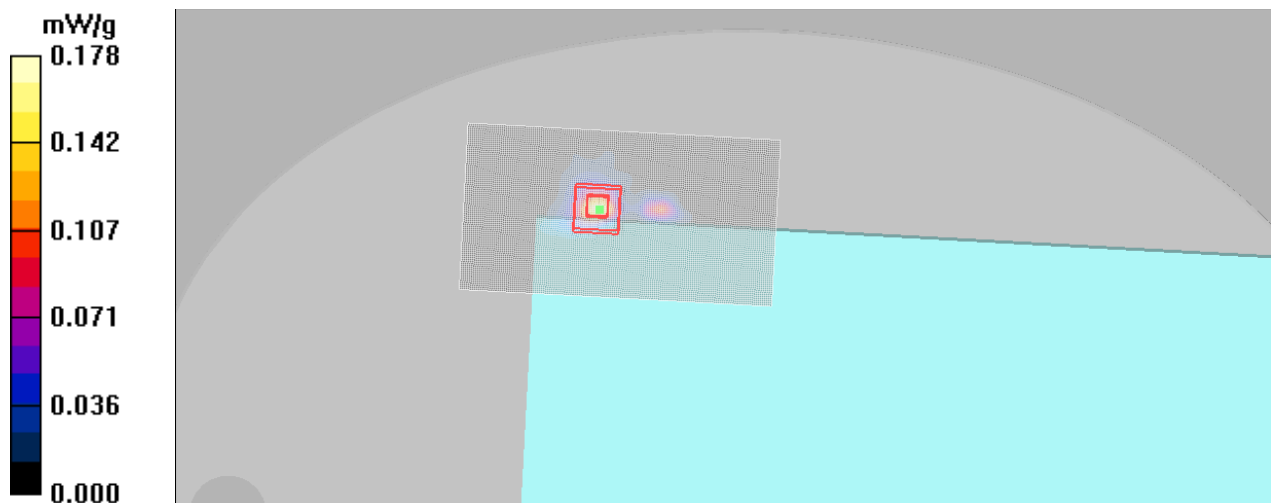
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.095 mW/g ; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.199 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5220_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5220 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5220 \text{ MHz}$; $\sigma = 5.23 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.83, 4.83, 4.83); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 44_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.152 mW/g

Flat-Section_MSL_Antenna 1_Channel 44_UNII_6Mbps/Zoom Scan

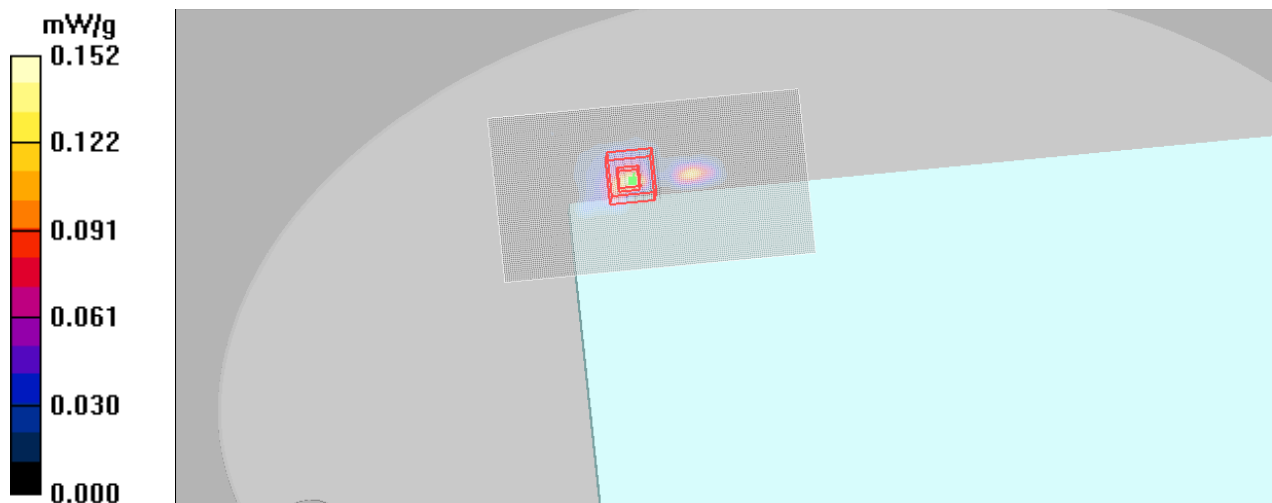
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.286 W/kg

SAR(1 g) = 0.073 mW/g ; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.170 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5240_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 5.25 \text{ mho/m}$; $\epsilon_r = 48.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.83, 4.83, 4.83); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 48_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.128 mW/g

Flat-Section_MSL_Antenna 1_Channel 48_UNII_6Mbps/Zoom Scan

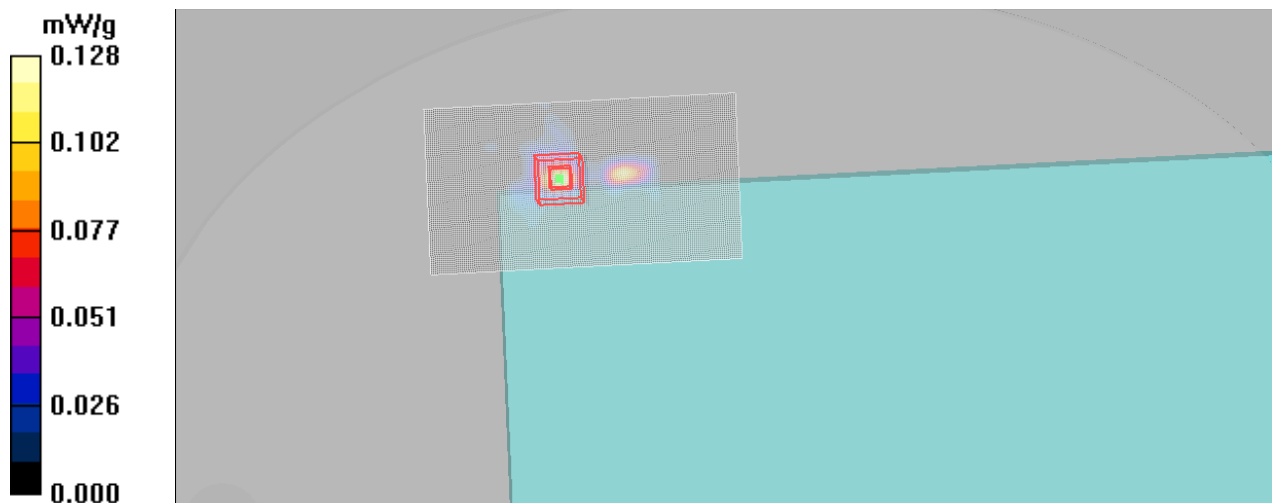
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.071 mW/g ; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.169 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5745_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.04 \text{ mho/m}$; $\epsilon_r = 35.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 0_Channel 149_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.519 mW/g

Flat-Section_HSL_Antenna 0_Channel 149_UNII_6Mbps/Zoom Scan

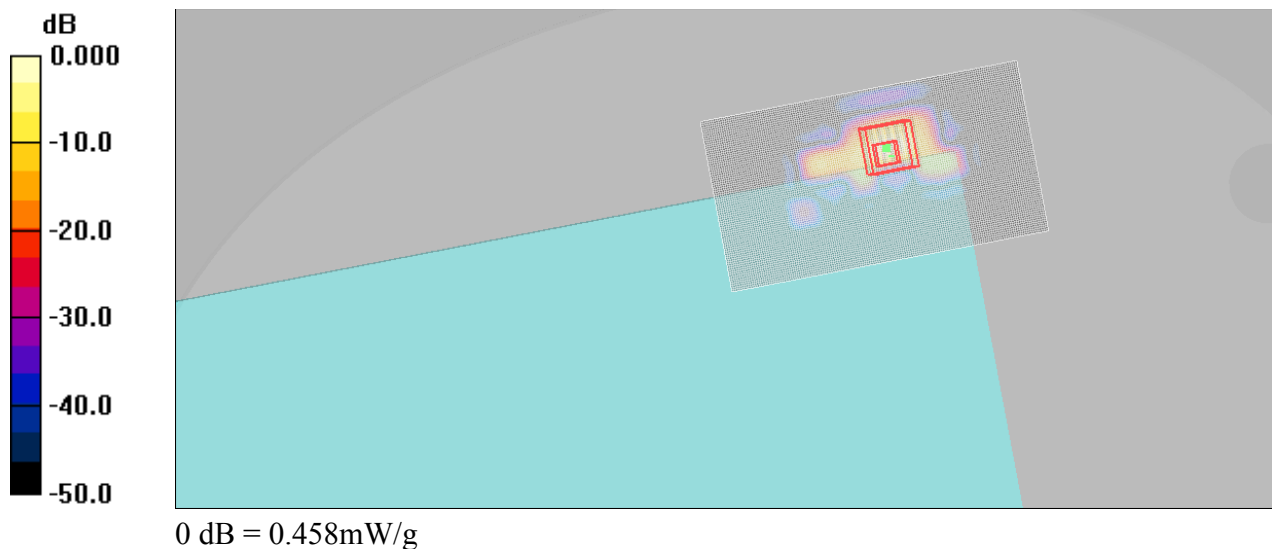
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.820 W/kg

SAR(1 g) = 0.181 mW/g ; SAR(10 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.458 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5785_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.04$ mho/m; $\epsilon_r = 35.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 0_Channel 157_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.773 mW/g

Flat-Section_HSL_Antenna 0_Channel 157_UNII_6Mbps/Zoom Scan

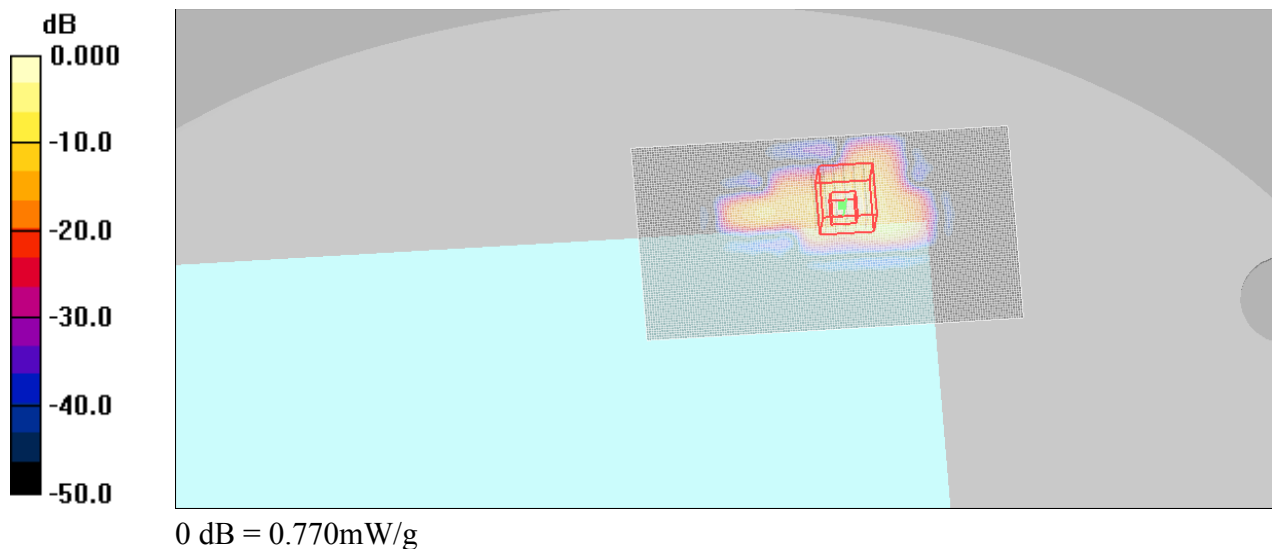
(7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.770 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5825_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.13$ mho/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 0_Channel 165_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.781 mW/g

Flat-Section_HSL_Antenna 0_Channel 165_UNII_6Mbps/Zoom Scan

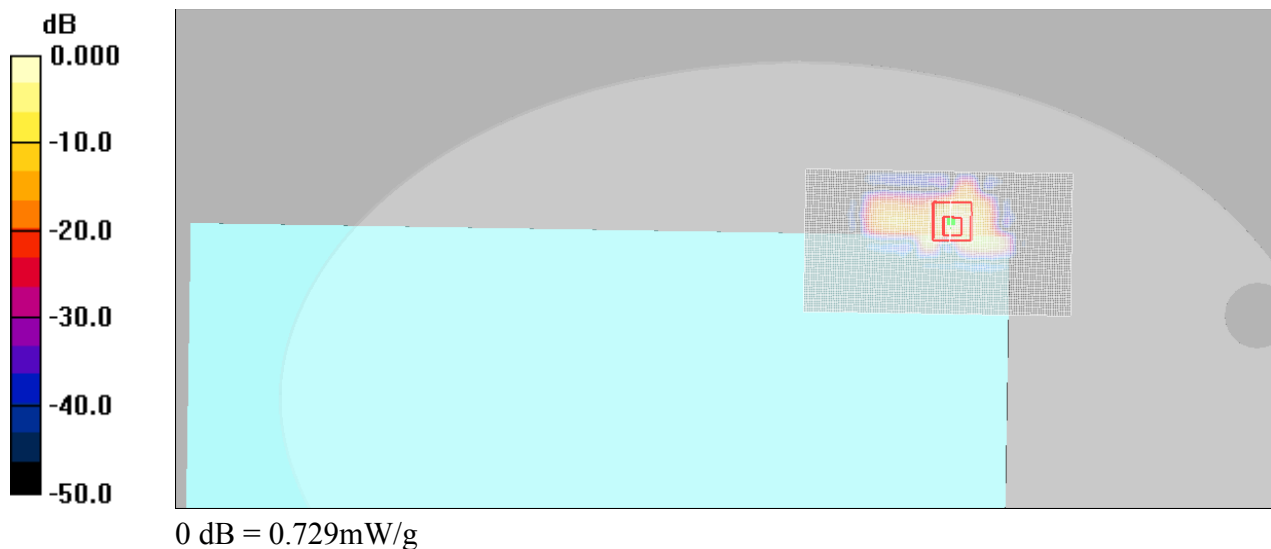
(7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR (measured) = 0.729 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5745_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.04$ mho/m; $\epsilon_r = 35.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 149_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.353 mW/g

Flat-Section_HSL_Antenna 1_Channel 149_UNII_6Mbps/Zoom Scan

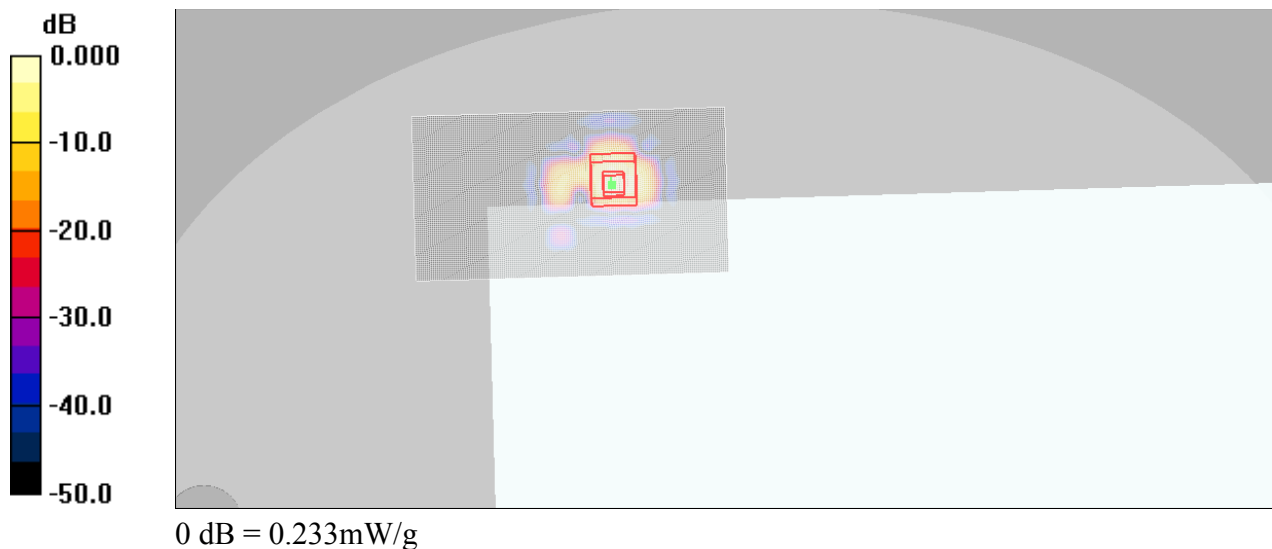
(7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.440 W/kg

SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.233 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5785_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785$ MHz; $\sigma = 5.07$ mho/m; $\epsilon_r = 35.6$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 157_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.216 mW/g

Flat-Section_HSL_Antenna 1_Channel 157_UNII_6Mbps/Zoom Scan

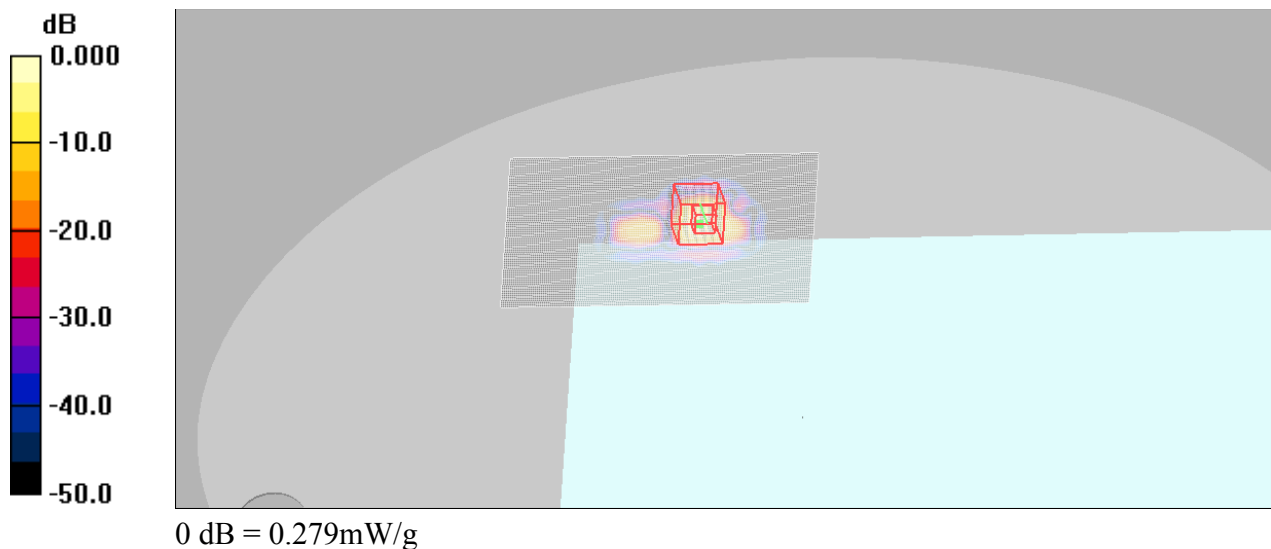
(7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.491 W/kg

SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.279 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5825_HSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.13$ mho/m; $\epsilon_r = 35.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3879; ConvF(4.42, 4.42, 4.42); Calibrated: 2013-11-29
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_HSL_Antenna 1_Channel 165_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.148 mW/g

Flat-Section_HSL_Antenna 1_Channel 165_UNII_6Mbps/Zoom Scan

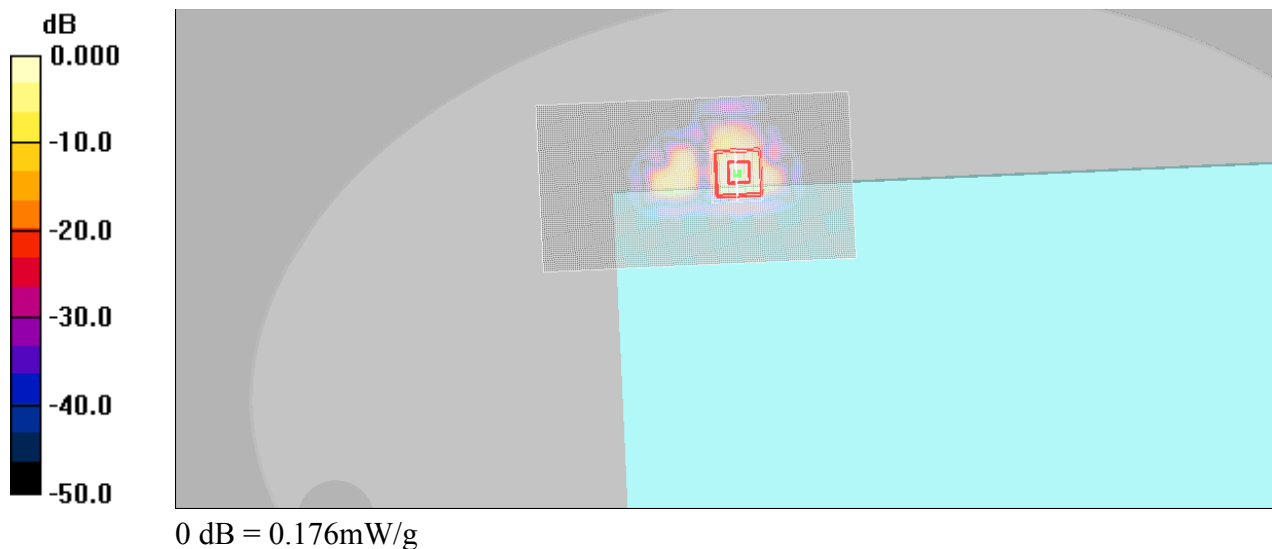
(7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.324 W/kg

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.176 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5745_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.81 \text{ mho/m}$; $\epsilon_r = 47.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.18, 4.18, 4.18); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 0_Channel 149_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.405 mW/g

Flat-Section_MSL_Antenna 0_Channel 149_UNII_6Mbps/Zoom Scan

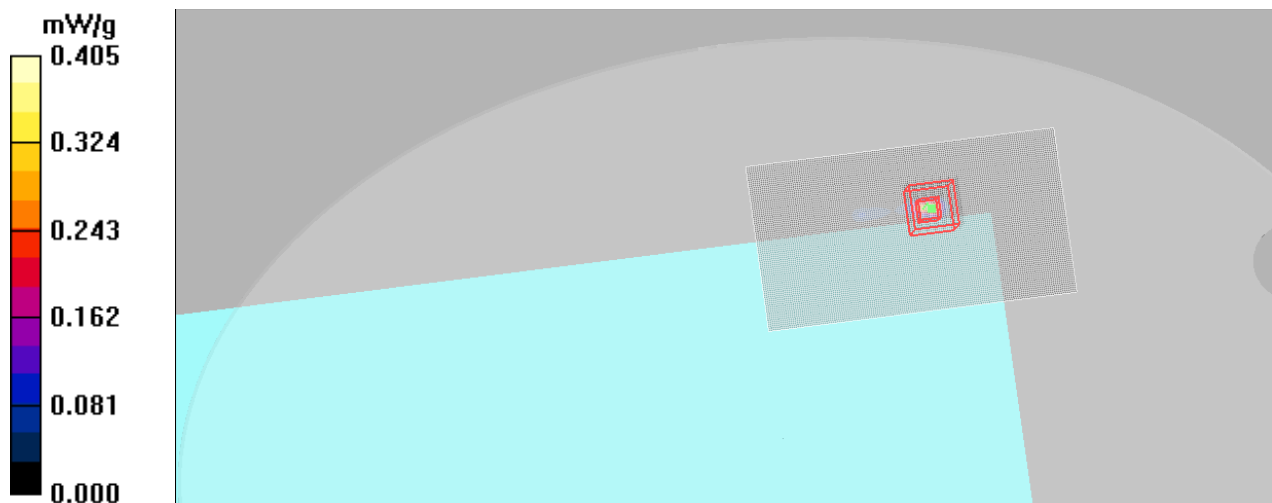
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.854 W/kg

SAR(1 g) = 0.173 mW/g ; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.430 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5785_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.9 \text{ mho/m}$; $\epsilon_r = 47.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.18, 4.18, 4.18); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 0_Channel 157_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.498 mW/g

Flat-Section_MSL_Antenna 0_Channel 157_UNII_6Mbps/Zoom Scan

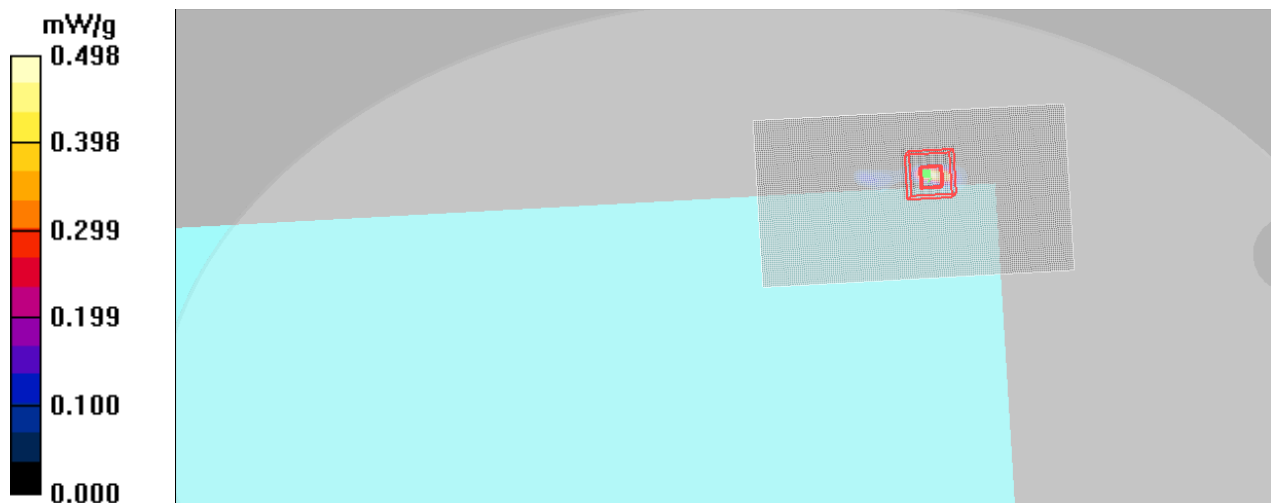
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.299 mW/g ; SAR(10 g) = 0.053 mW/g

Maximum value of SAR (measured) = 0.759 mW/g



Test Laboratory: KES Co., Ltd.

Ant 0_UNII_5825_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.97$ mho/m; $\epsilon_r = 47.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.18, 4.18, 4.18); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 0_Channel 165_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.419 mW/g

Flat-Section_MSL_Antenna 0_Channel 165_UNII_6Mbps/Zoom Scan

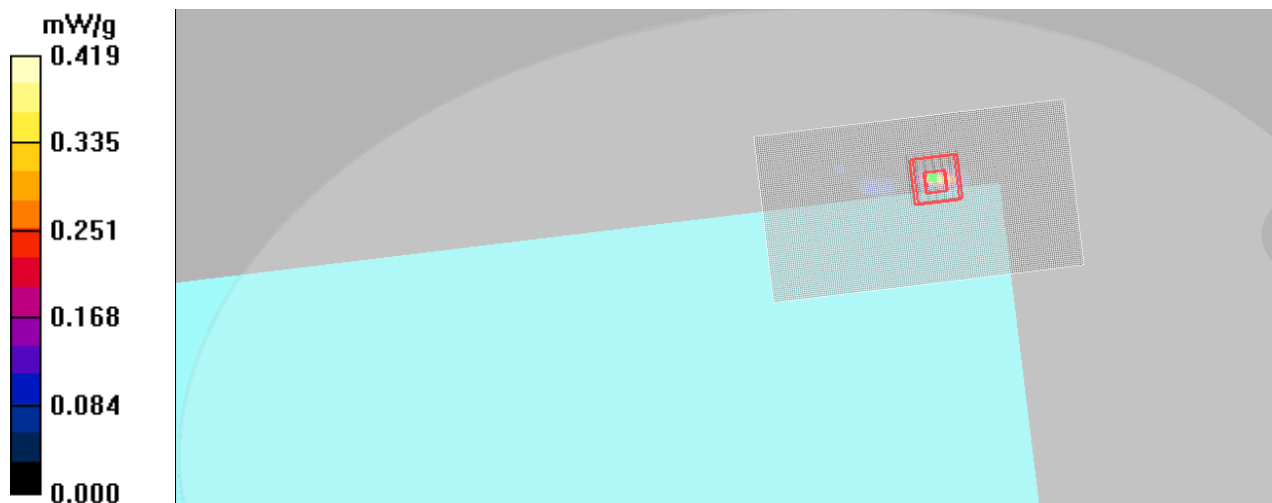
(7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 0.000 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.642 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5745_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5745 \text{ MHz}$; $\sigma = 5.81 \text{ mho/m}$; $\epsilon_r = 47.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.18, 4.18, 4.18); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 149_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.295 mW/g

Flat-Section_MSL_Antenna 1_Channel 149_UNII_6Mbps/Zoom Scan

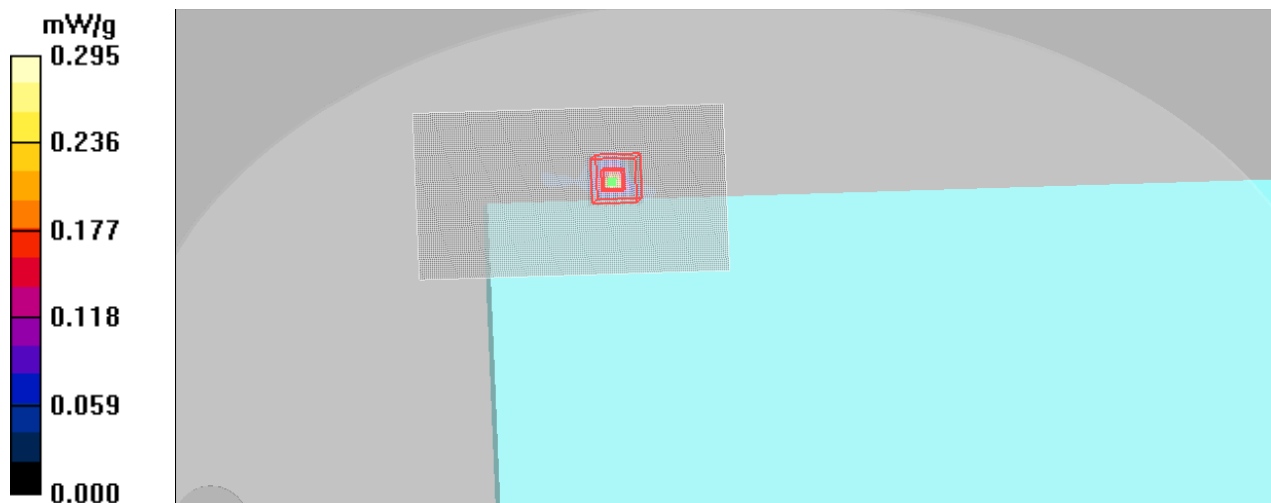
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.445 W/kg

SAR(1 g) = 0.099 mW/g ; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.249 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5785_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.9 \text{ mho/m}$; $\epsilon_r = 47.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.18, 4.18, 4.18); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 157_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.357 mW/g

Flat-Section_MSL_Antenna 1_Channel 157_UNII_6Mbps/Zoom Scan

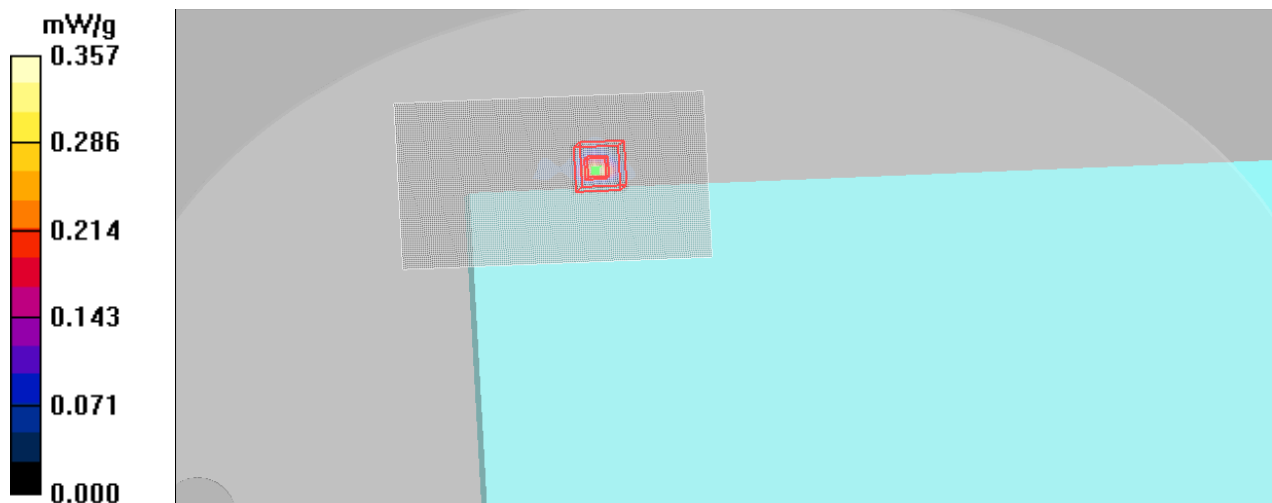
(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.526 W/kg

SAR(1 g) = 0.115 mW/g ; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.287 mW/g



Test Laboratory: KES Co., Ltd.

Ant 1_UNII_5825_MSL

DUT: 1417WGC; Type: X-ray Detector; Serial: N/A

Communication System: WLAN; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.97 \text{ mho/m}$; $\epsilon_r = 47.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: EX3DV4 - SN3986; ConvF(4.18, 4.18, 4.18); Calibrated: 2014-03-21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1344; Calibrated: 2013-11-21
- Phantom: ELI v5.0_2013_01_23; Type: QDOVA002AA; Serial: TP:1190
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Flat-Section_MSL_Antenna 1_Channel 165_UNII_6Mbps/Area Scan (81x151x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.296 mW/g

Flat-Section_MSL_Antenna 1_Channel 165_UNII_6Mbps/Zoom Scan

(7x7x12)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.000 V/m ; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 0.333 W/kg

SAR(1 g) = 0.069 mW/g ; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.178 mW/g

