

Appendix C

Highest Test Plots

Wireless speaker 2.4G WIFI 802.11b 6CH right side 0mm-ANT.1
Wireless speaker 2.4G WIFI 802.11b 6CH left side 0mm-ANT.2
Wireless speaker 5G WIFI 802.11n 40M 38CH right side 10mm-ANT.1
Wireless speaker 5G WIFI 802.11a 60CH right side 10mm-ANT.1
Wireless speaker 5G WIFI 802.11n 40M 102CH right side 10mm-ANT.1
Wireless speaker 5G WIFI 802.11a 161CH right side 10mm-ANT.1
Wireless speaker 5G WIFI 802.11n 40M 38CH left side 10mm-ANT.2
Wireless speaker 5G WIFI 802.11a 60CH left side 10mm-ANT.2
Wireless speaker 5G WIFI 802.11n 40M 102CH left side 10mm-ANT.2
Wireless speaker 5G WIFI 802.11a 161CH left side 10mm-ANT.2-Repeated

Wireless speaker 2.4G WIFI 802.11b 6CH right side 0mm-ANT. 1

Communication System: UID 0, WiFi (0); Frequency: 2437 MHz

Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ S/m; $\epsilon_r = 52.534$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(7.82, 7.82, 7.82); Calibrated: 2017/12/14;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.676 W/kg

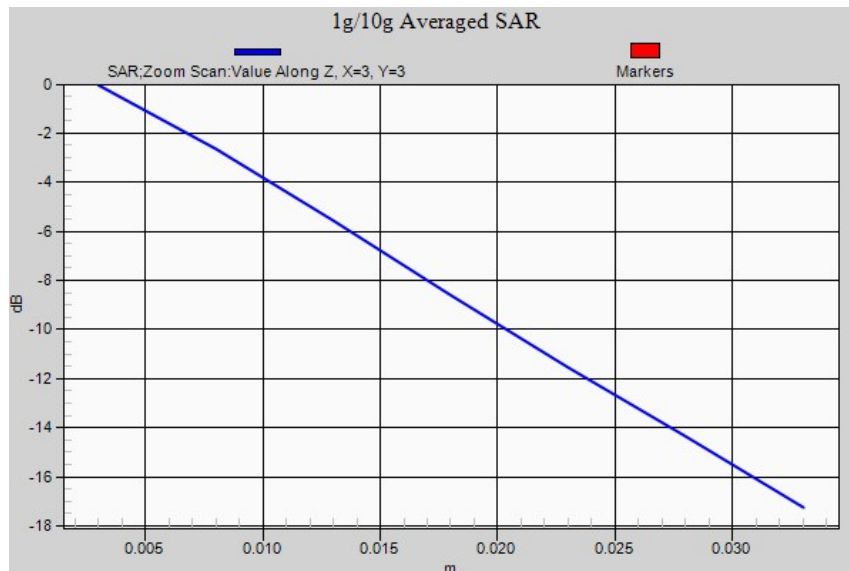
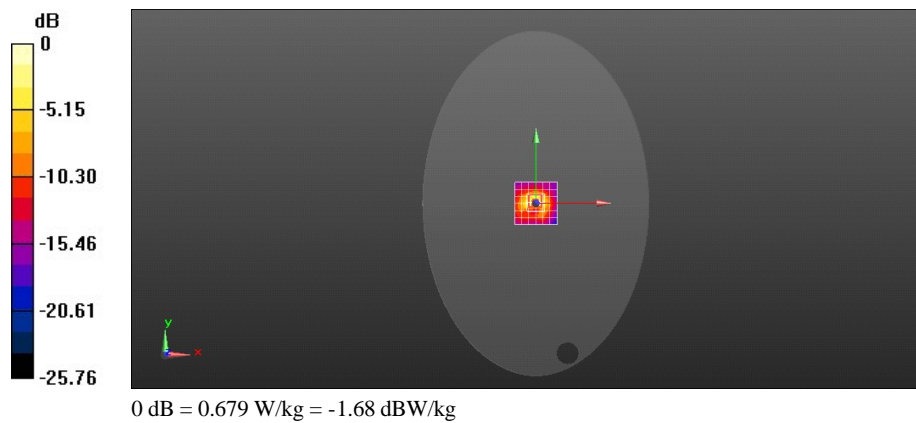
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 17.48 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.204 W/kg

Maximum value of SAR (measured) = 0.679 W/kg



Wireless speaker 2.4G WIFI 802.11b 6CH left side 0mm-ANT. 2

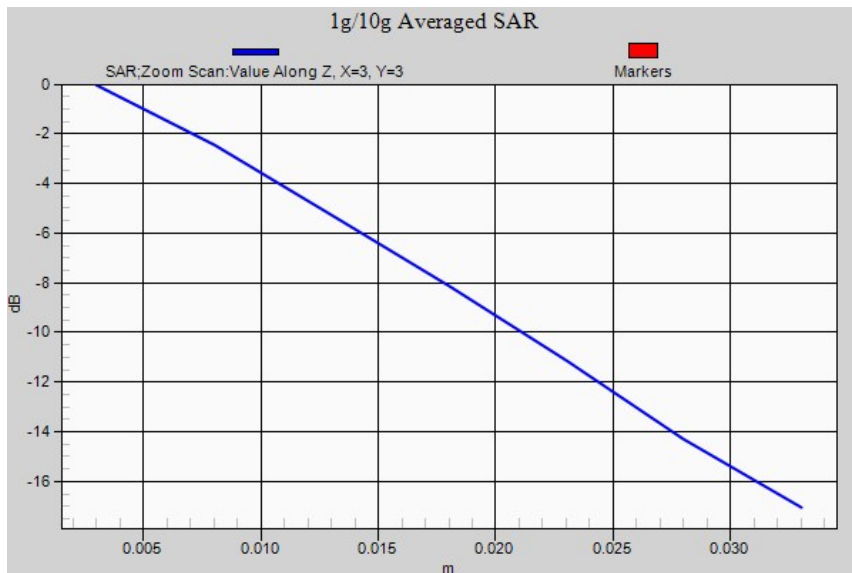
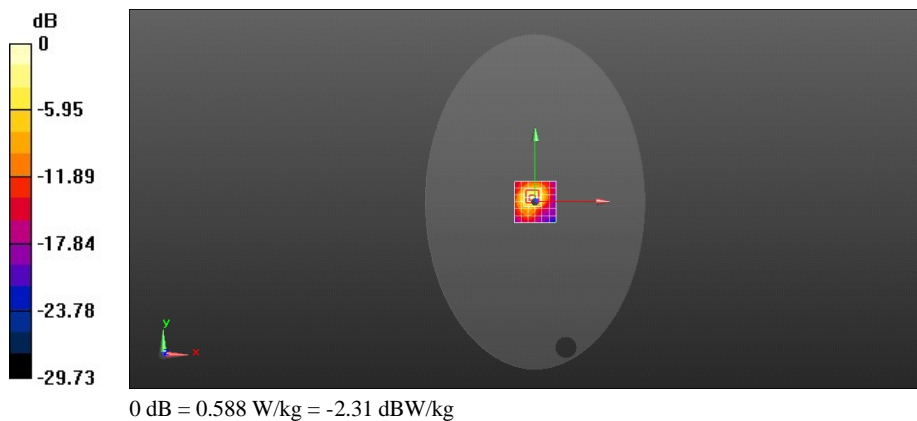
Communication System: UID 0, WiFi (0); Frequency: 2437 MHz
 Medium parameters used: $f = 2437$ MHz; $\sigma = 2.001$ S/m; $\epsilon_r = 52.534$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(7.82, 7.82, 7.82); Calibrated: 2017/12/14;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=12$ mm, $dy=12$ mm
 Maximum value of SAR (measured) = 0.386 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
 Reference Value = 11.39 V/m; Power Drift = 0.09 dB
 Peak SAR (extrapolated) = 0.919 W/kg
SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.186 W/kg
 Maximum value of SAR (measured) = 0.588 W/kg



Wireless speaker 5G WIFI 802.11n 40M 38CH right side 10mm-ANT. 1

Communication System: UID 0, WiFi (0); Frequency: 5190 MHz

Medium parameters used: $f = 5190$ MHz; $\sigma = 5.415$ S/m; $\epsilon_r = 49.809$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(5.44, 5.44, 5.44); Calibrated: 2017/12/14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: 1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.681 W/kg

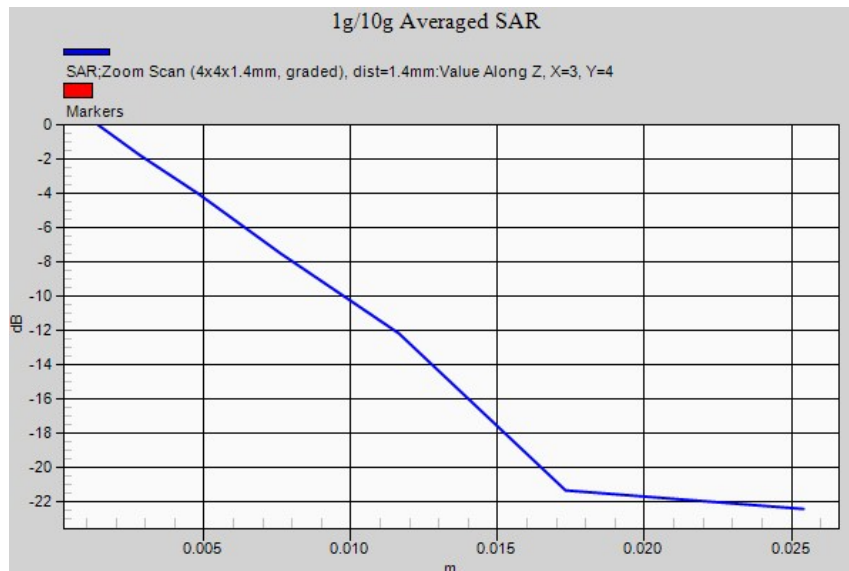
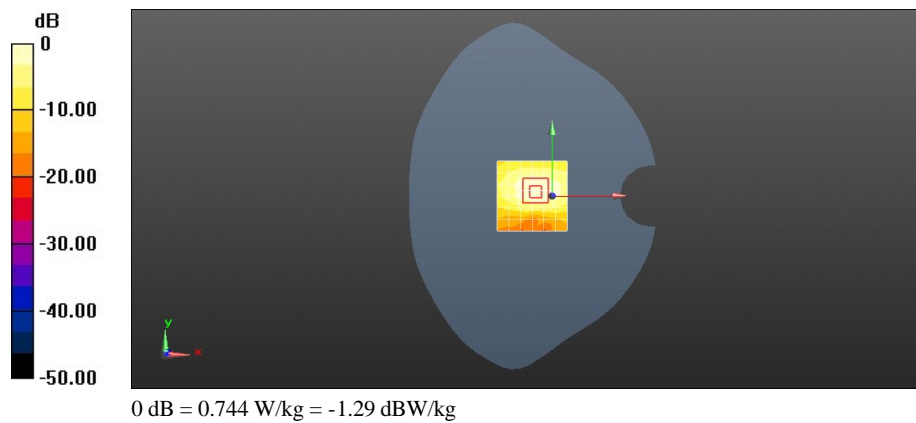
Configuration/Body/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 12.39 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.356 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.744 W/kg



Wireless speaker 5G WIFI 802.11a 60CH right side 10mm-ANT. 1

Communication System: UID 0, WiFi (0); Frequency: 5300 MHz

Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 5.531$ S/m; $\epsilon_r = 49.633$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(5.13, 5.13, 5.13); Calibrated: 2017/12/14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: 1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.05 W/kg

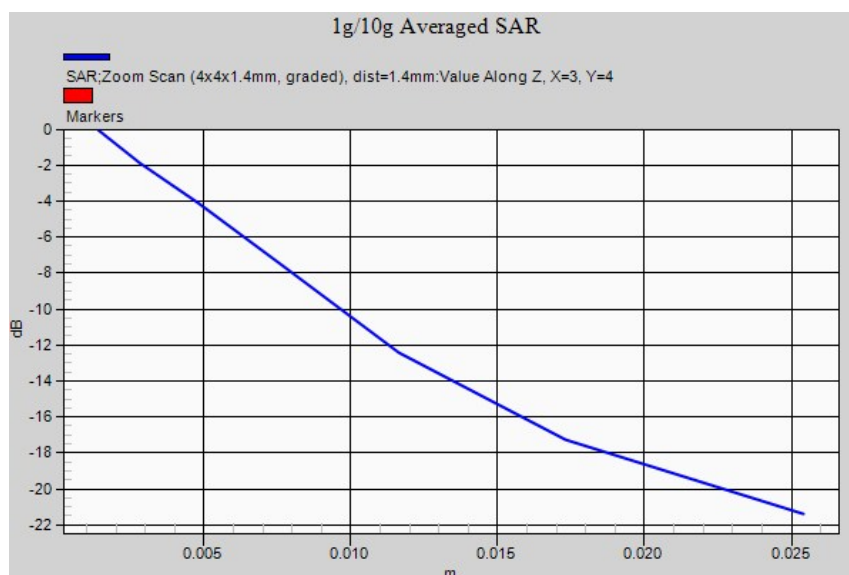
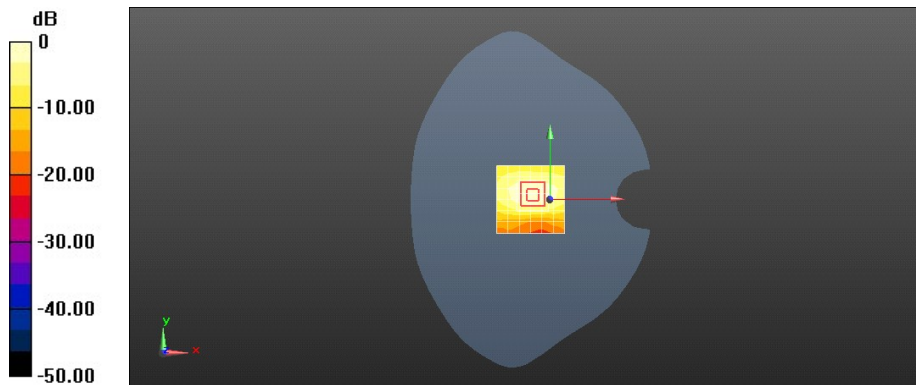
Configuration/Body/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.55 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



Wireless speaker 5G WIFI 802.11n 40M 102CH right side 10mm-ANT. 1

Communication System: UID 0, WiFi (0); Frequency: 5510 MHz
 Medium parameters used: $f = 5510$ MHz; $\sigma = 5.624$ S/m; $\epsilon_r = 48.763$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

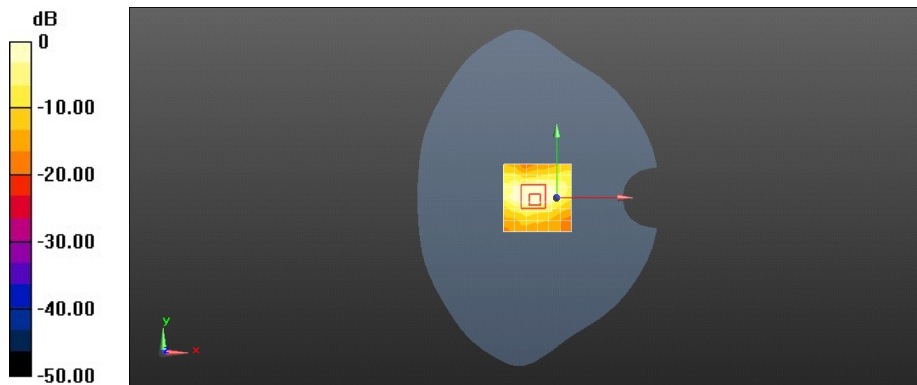
DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(4.54, 4.54, 4.54); Calibrated: 2017/12/14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: 1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

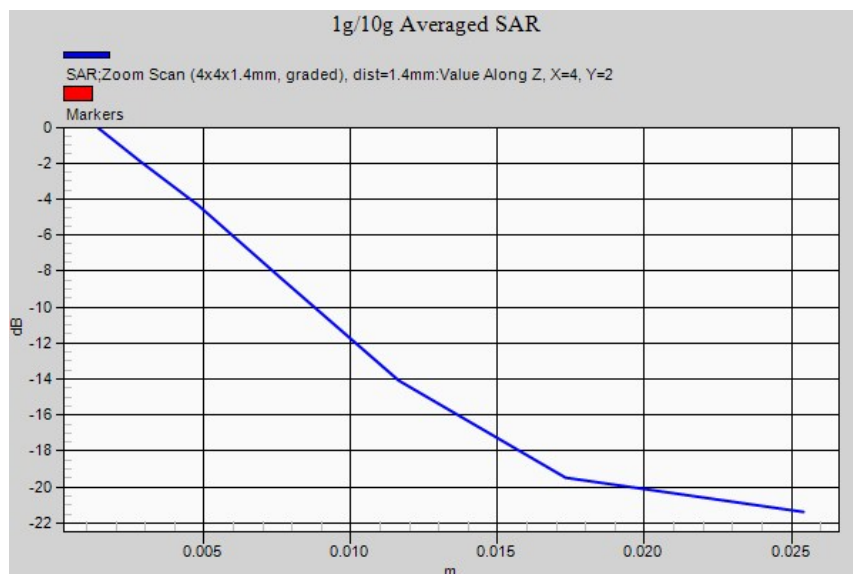
Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
 Maximum value of SAR (measured) = 1.38 W/kg

Configuration/Body/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
 Reference Value = 17.69 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 1.70 W/kg
SAR(1 g) = 0.443 W/kg; SAR(10 g) = 0.156 W/kg

Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dBW/kg



Wireless speaker 5G WIFI 802.11a 161CH right side 10mm-ANT. 1

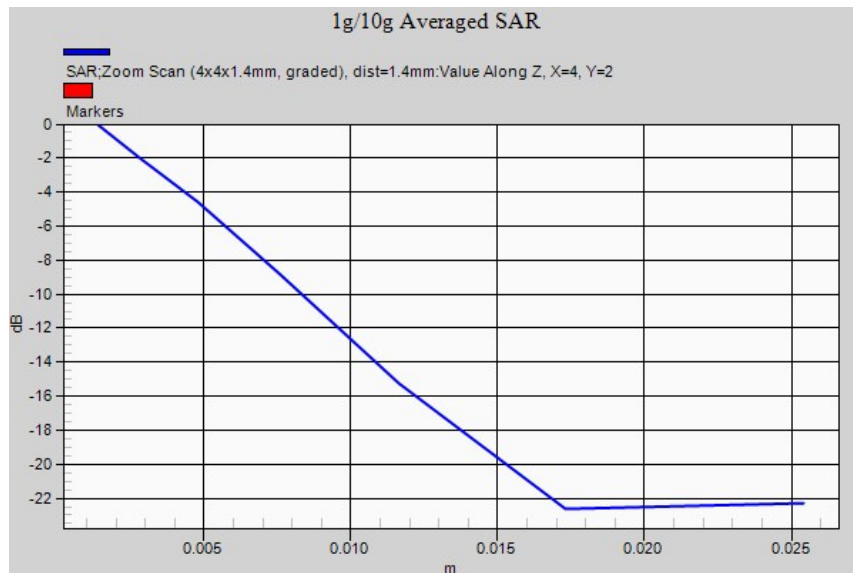
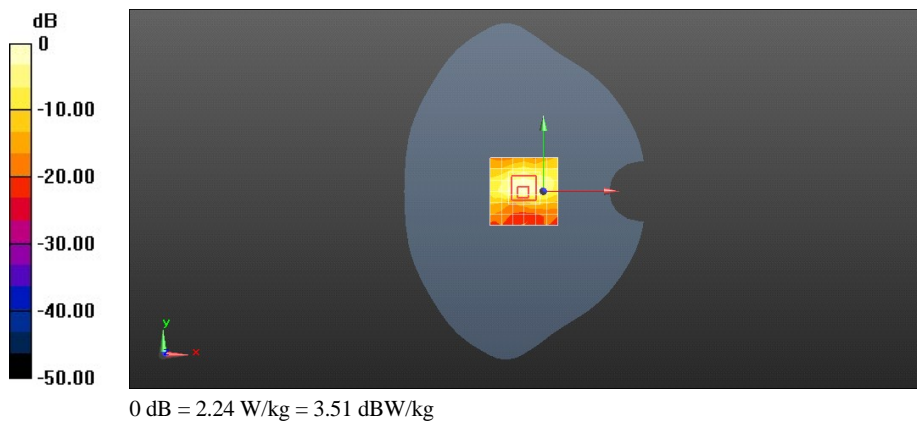
Communication System: UID 0, WiFi (0); Frequency: 5805 MHz
 Medium parameters used: $f = 5805$ MHz; $\sigma = 6.009$ S/m; $\epsilon_r = 48.225$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(4.58, 4.58, 4.58); Calibrated: 2017/12/14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: 1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
 Maximum value of SAR (measured) = 2.36 W/kg

Configuration/Body/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
 Reference Value = 22.05 V/m; Power Drift = -0.01 dB
 Peak SAR (extrapolated) = 4.25 W/kg
SAR(1 g) = 0.952 W/kg; SAR(10 g) = 0.323 W/kg
 Maximum value of SAR (measured) = 2.24 W/kg



Wireless speaker 5G WIFI 802.11n 40M 38CH left side 10mm-ANT. 2

Communication System: UID 0, WiFi (0); Frequency: 5190 MHz

Medium parameters used: $f = 5190$ MHz; $\sigma = 5.415$ S/m; $\epsilon_r = 49.809$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(5.44, 5.44, 5.44); Calibrated: 2017/12/14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: 1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 0.856 W/kg

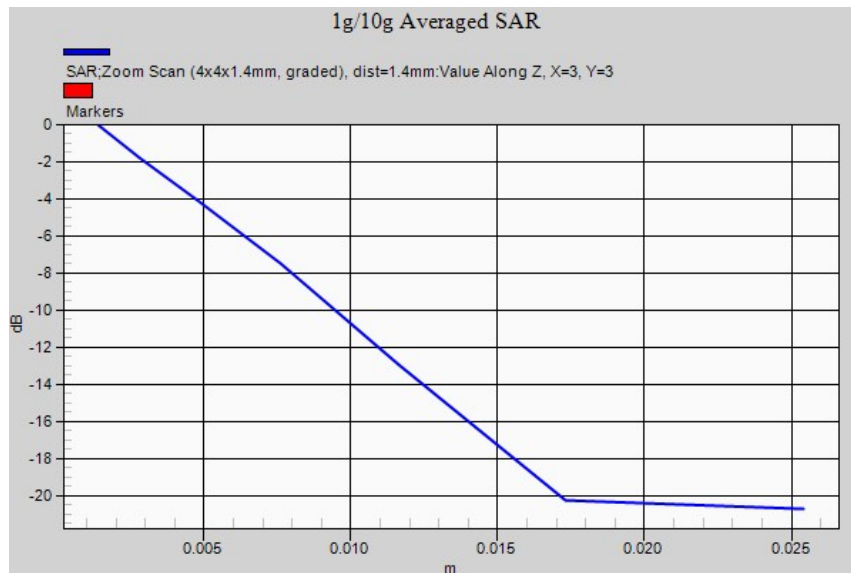
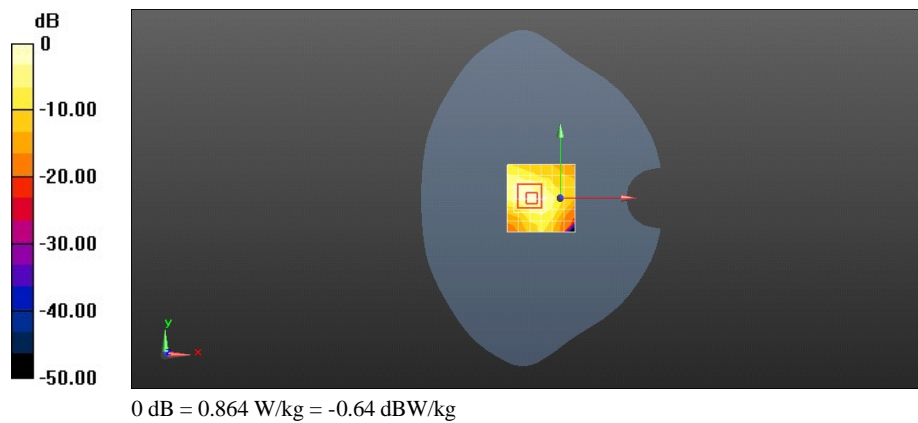
Configuration/Body/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 11.95 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.130 W/kg

Maximum value of SAR (measured) = 0.864 W/kg



Wireless speaker 5G WIFI 802.11a 60CH left side 10mm-ANT. 2

Communication System: UID 0, WiFi (0); Frequency: 5300 MHz

Medium parameters used (interpolated): $f = 5300$ MHz; $\sigma = 5.531$ S/m; $\epsilon_r = 49.633$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(5.13, 5.13, 5.13); Calibrated: 2017/12/14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: 1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

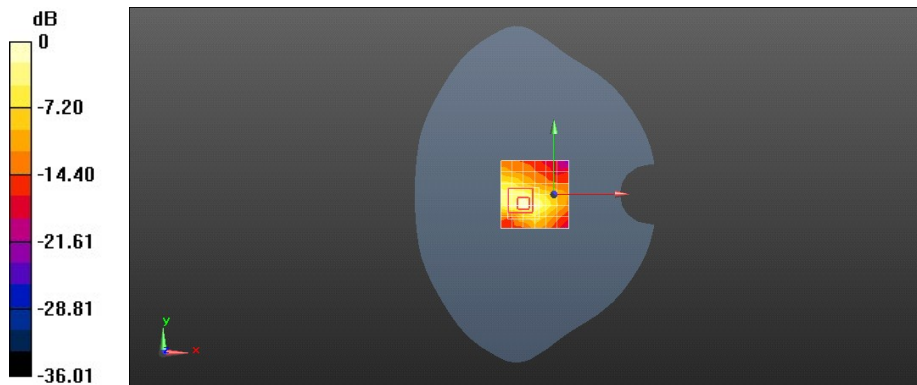
Configuration/Body/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.886 V/m; Power Drift = 0.04 dB

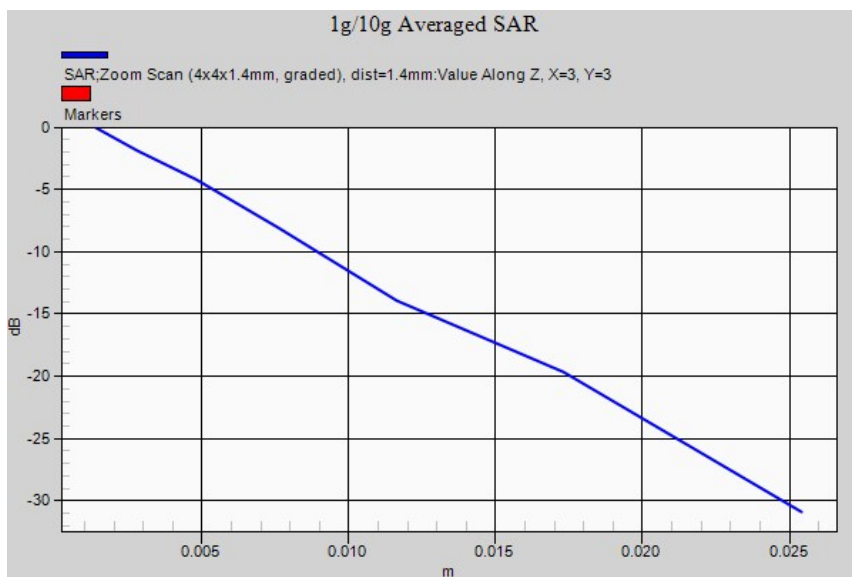
Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.153 W/kg

Maximum value of SAR (measured) = 1.12 W/kg



0 dB = 1.12 W/kg = 0.49 dBW/kg



Wireless speaker 5G WIFI 802.11n 40M 102CH left side 10mm-ANT. 2

Communication System: UID 0, WiFi (0); Frequency: 5510 MHz
 Medium parameters used: $f = 5510$ MHz; $\sigma = 5.624$ S/m; $\epsilon_r = 48.763$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

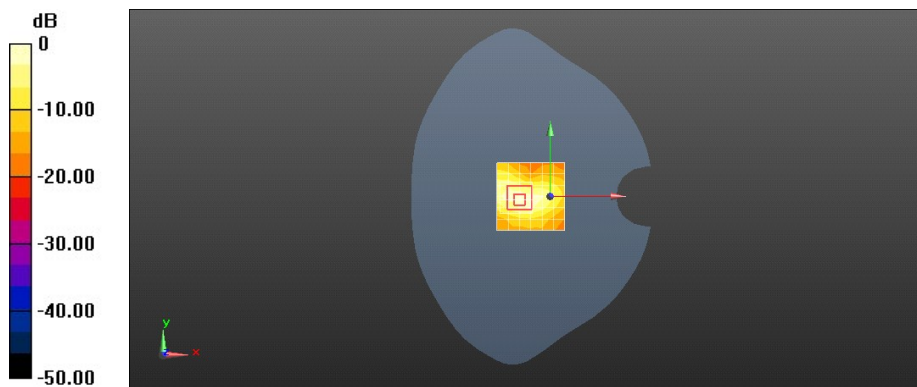
DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(4.54, 4.54, 4.54); Calibrated: 2017/12/14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: 1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

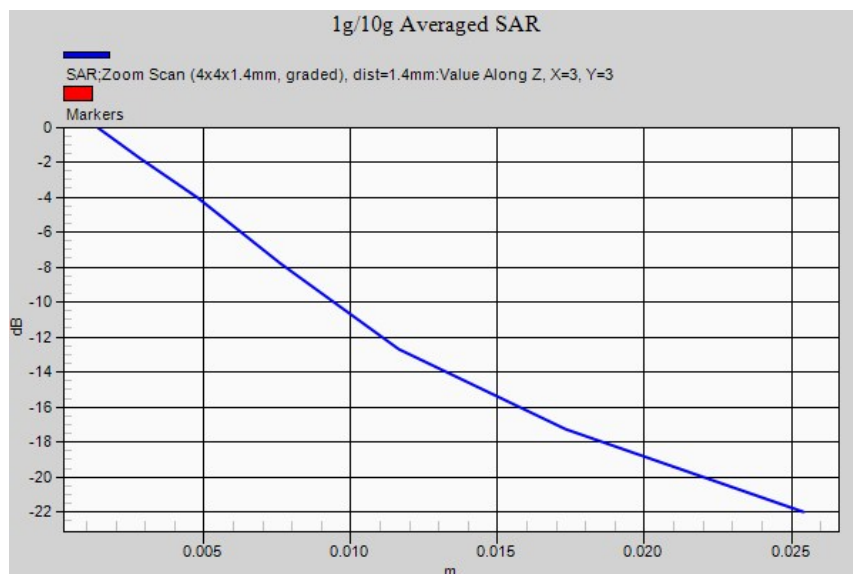
Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm
 Maximum value of SAR (measured) = 1.26 W/kg

Configuration/Body/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm
 Reference Value = 14.08 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 2.34 W/kg
SAR(1 g) = 0.636 W/kg; SAR(10 g) = 0.220 W/kg

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.65 dBW/kg



Wireless speaker 5G WIFI 802.11a 161CH left side 10mm-ANT. 2-Repeated

Communication System: UID 0, WiFi (0); Frequency: 5805 MHz

Medium parameters used: $f = 5805$ MHz; $\sigma = 6.009$ S/m; $\epsilon_r = 48.225$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(4.58, 4.58, 4.58); Calibrated: 2017/12/14;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2017/12/4
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: 1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

Configuration/Body/Area Scan (7x7x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (measured) = 2.53 W/kg

Configuration/Body/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 18.75 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 4.21 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.309 W/kg

Maximum value of SAR (measured) = 2.43 W/kg

