

HAC-RF Emission

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field measurement 835MHz/835 MHz/Hearing Aid Compatibility Test at 15mm distance (41x361x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 130.0 V/m; Power Drift = 0.02 dB

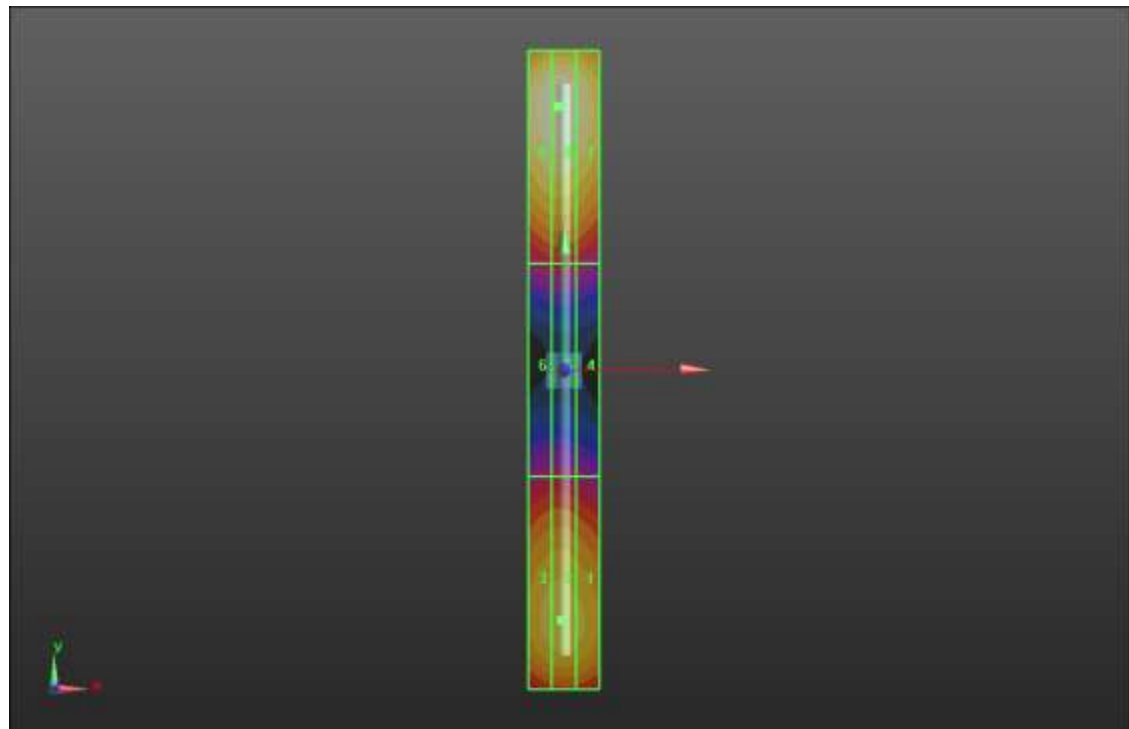
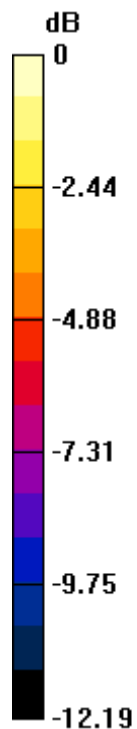
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 122.7 V/m

Near-field category: **M4 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M4 96.33 V/m	Grid 2 M4 99.03 V/m	Grid 3 M4 97.69 V/m
Grid 4 M4 59.51 V/m	Grid 5 M4 61.55 V/m	Grid 6 M4 60.94 V/m
Grid 7 M4 116.2 V/m	Grid 8 M4 122.7 V/m	Grid 9 M4 121.9 V/m



0 dB = 122.7 V/m = 41.78 dBV/m

HAC-RF Emission

Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

Dipole E-Field Measurement 1880MHz/1880 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 146.8 V/m; Power Drift = 0.08 dB

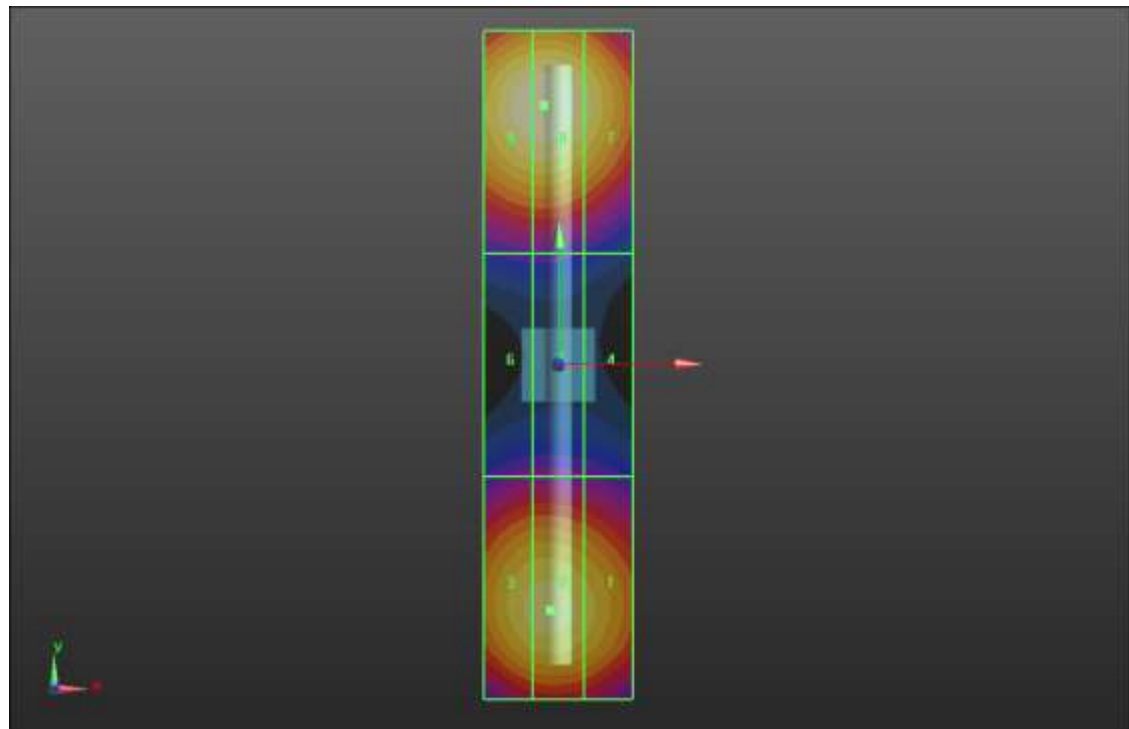
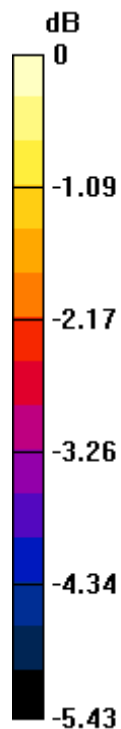
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 84.47 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 76.49 V/m	Grid 2 M3 79.33 V/m	Grid 3 M3 78.79 V/m
Grid 4 M4 56.23 V/m	Grid 5 M4 57.30 V/m	Grid 6 M4 57.25 V/m
Grid 7 M3 79.39 V/m	Grid 8 M3 84.47 V/m	Grid 9 M3 84.02 V/m



0 dB = 84.47 V/m = 38.53 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Dipole E-Field Measurement 2600MHz/2600 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 60.03 V/m; Power Drift = 0.10 dB

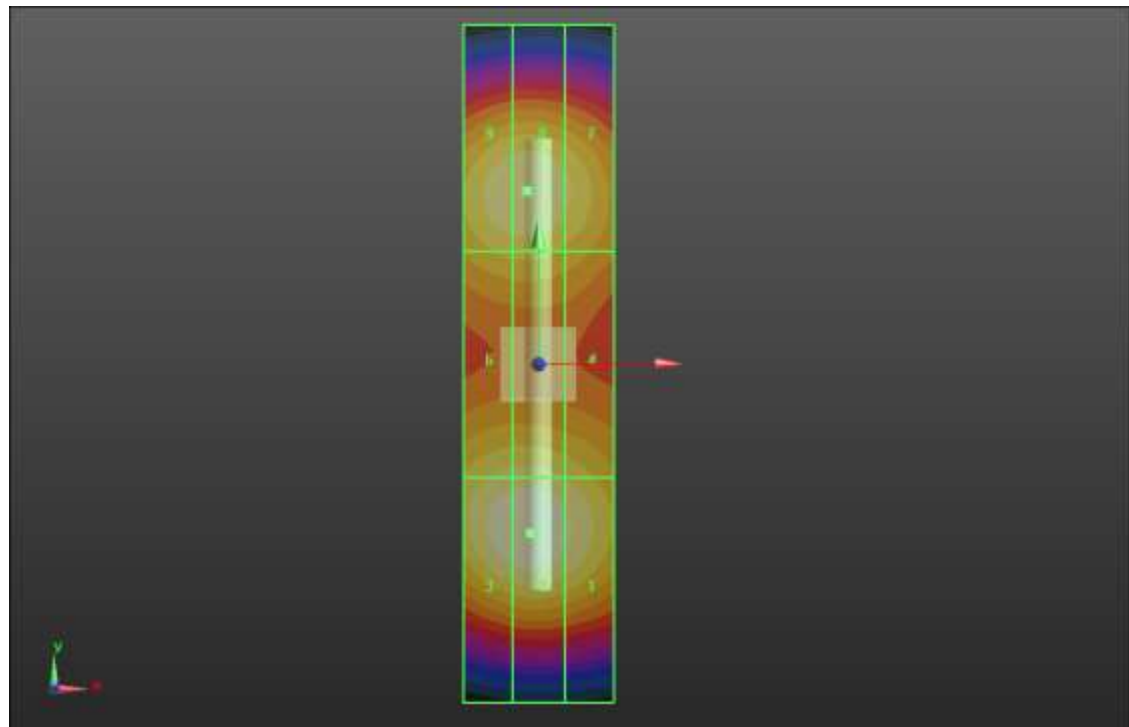
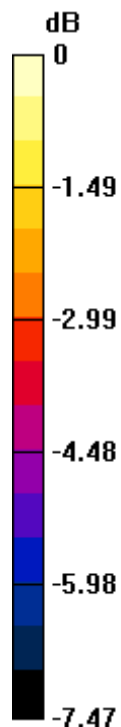
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 83.85 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 80.45 V/m	Grid 2 M3 83.84 V/m	Grid 3 M3 82.98 V/m
Grid 4 M3 74.71 V/m	Grid 5 M3 77.28 V/m	Grid 6 M3 76.94 V/m
Grid 7 M3 75.94 V/m	Grid 8 M3 79.39 V/m	Grid 9 M3 78.84 V/m



0 dB = 83.85 V/m = 38.47 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Dipole E-Field Measurement 2450MHz/2450 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 82.43 V/m; Power Drift = -0.01 dB

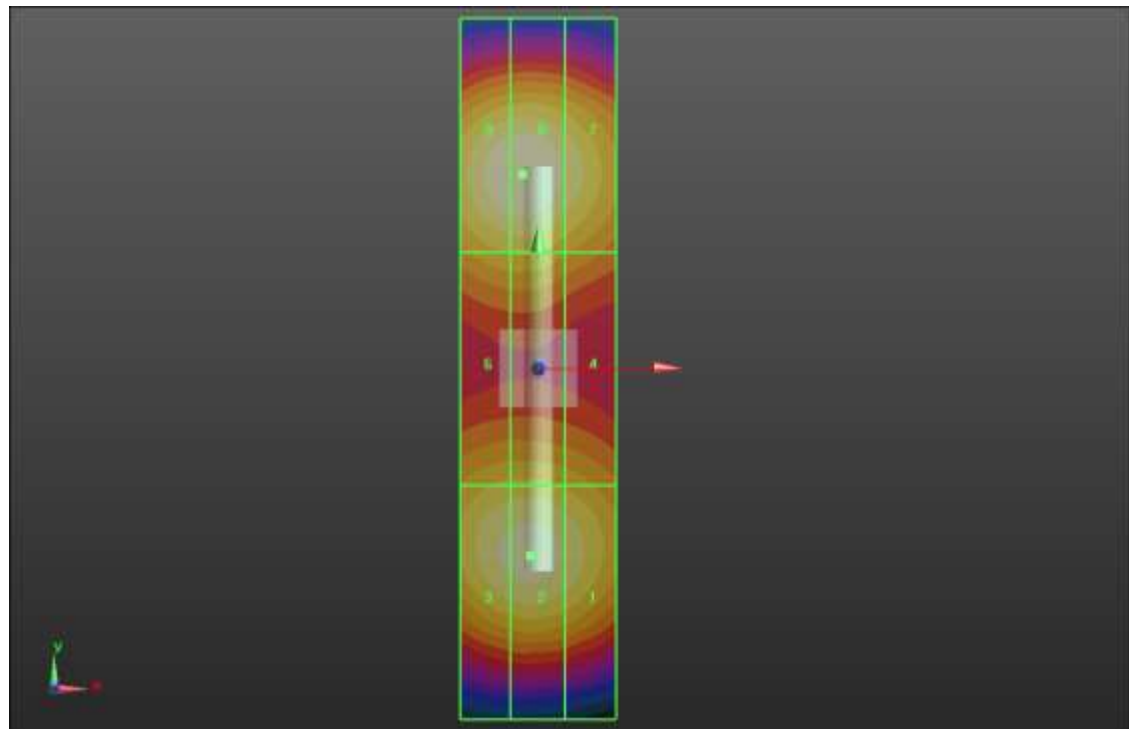
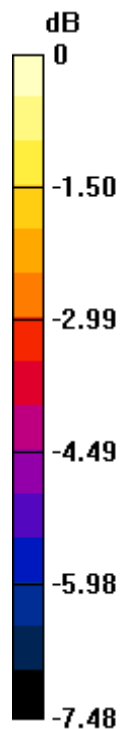
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.33 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 87.98 V/m	Grid 2 M3 91.94 V/m	Grid 3 M3 90.81 V/m
Grid 4 M3 78.80 V/m	Grid 5 M3 81.14 V/m	Grid 6 M3 80.95 V/m
Grid 7 M3 88.45 V/m	Grid 8 M3 94.33 V/m	Grid 9 M3 93.72 V/m



0 dB = 94.33 V/m = 39.49 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 5500 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/22/2019;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1540; Calibrated: 2/18/2019
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Dipole E-Field Measurement 5.5GHz/5.5GHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.08 V/m; Power Drift = 0.44 dB

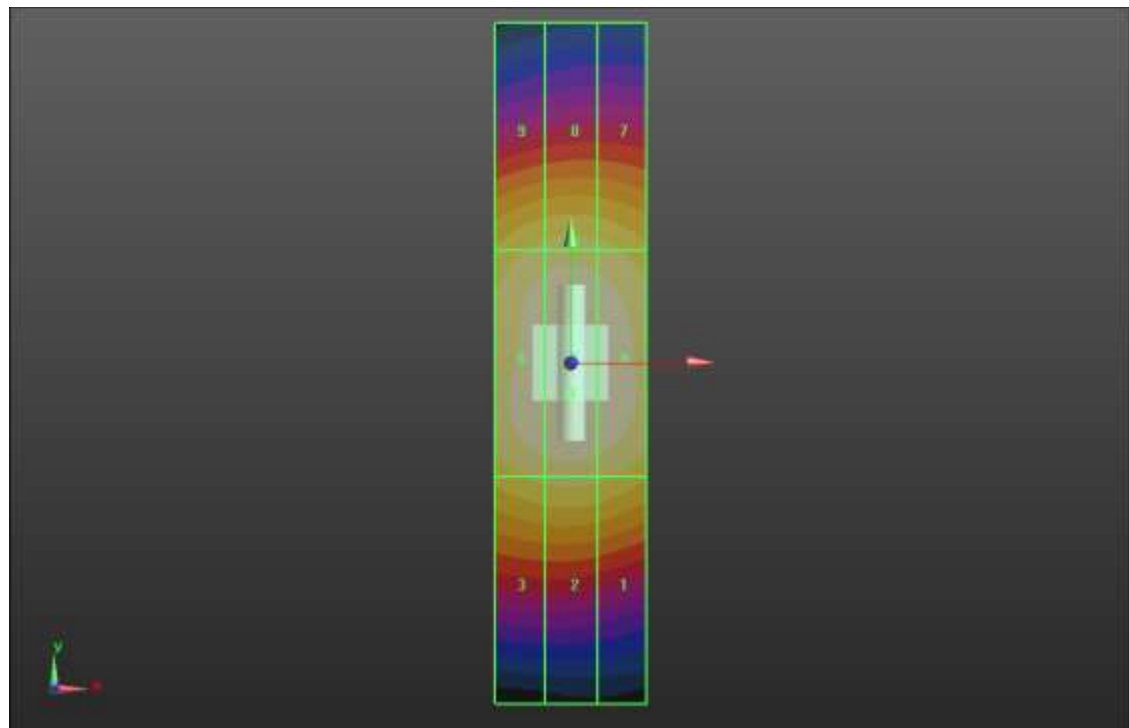
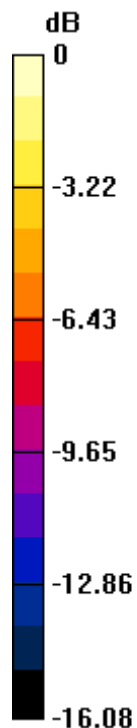
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 106.6 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 85.76 V/m	Grid 2 M3 88.14 V/m	Grid 3 M3 86.41 V/m
Grid 4 M3 104.4 V/m	Grid 5 M3 106.6 V/m	Grid 6 M3 103.6 V/m
Grid 7 M3 87.02 V/m	Grid 8 M3 89.06 V/m	Grid 9 M3 86.99 V/m



0 dB = 106.6 V/m = 40.56 dBV/m

HAC-RF Emission

Communication System: UID 0, CW; Frequency: 1880 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Dipole E-Field Measurement 1880MHz/1880 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 162.2 V/m; Power Drift = 0.00 dB

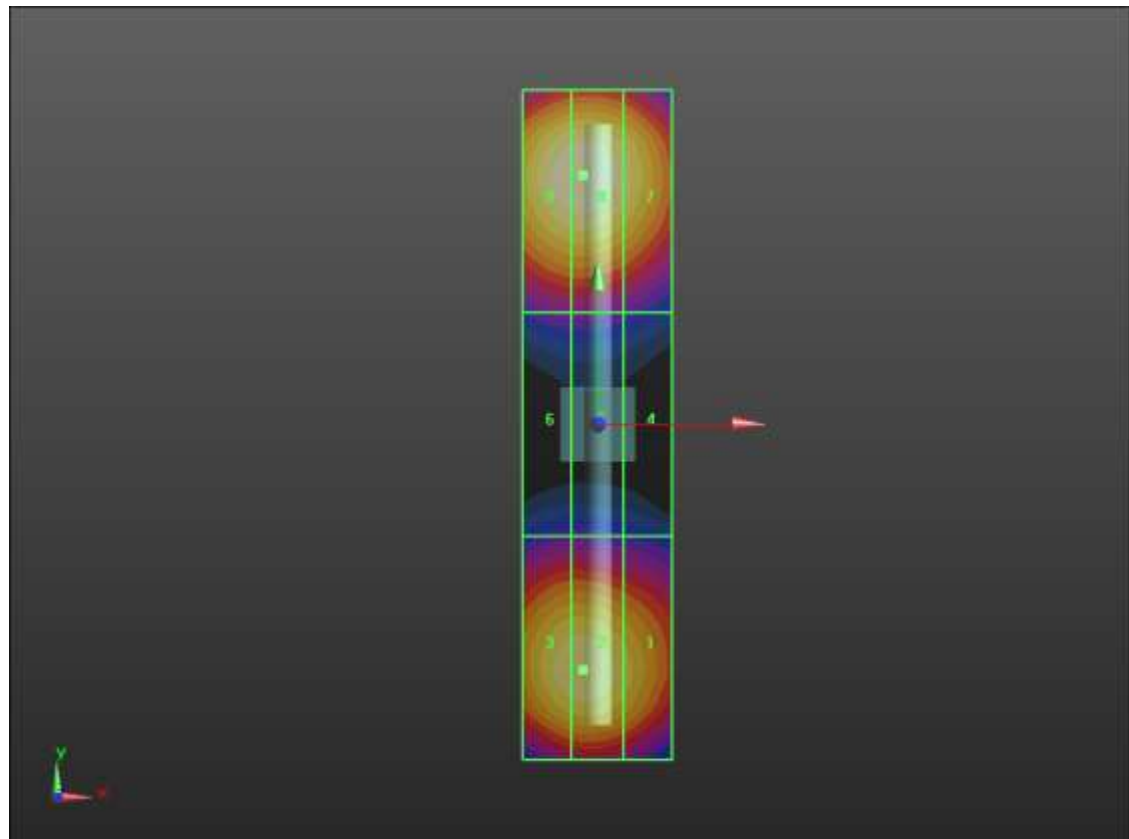
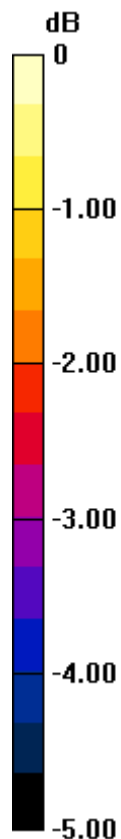
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 96.65 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 88.04 V/m	Grid 2 M3 92.55 V/m	Grid 3 M3 92.22 V/m
Grid 4 M3 65.22 V/m	Grid 5 M3 67.35 V/m	Grid 6 M3 67.26 V/m
Grid 7 M3 91.70 V/m	Grid 8 M3 96.65 V/m	Grid 9 M3 96.32 V/m



0 dB = 96.65 V/m = 39.70 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2600 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Dipole E-Field Measurement 2600MHz/2600 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 71.05 V/m; Power Drift = 0.01 dB

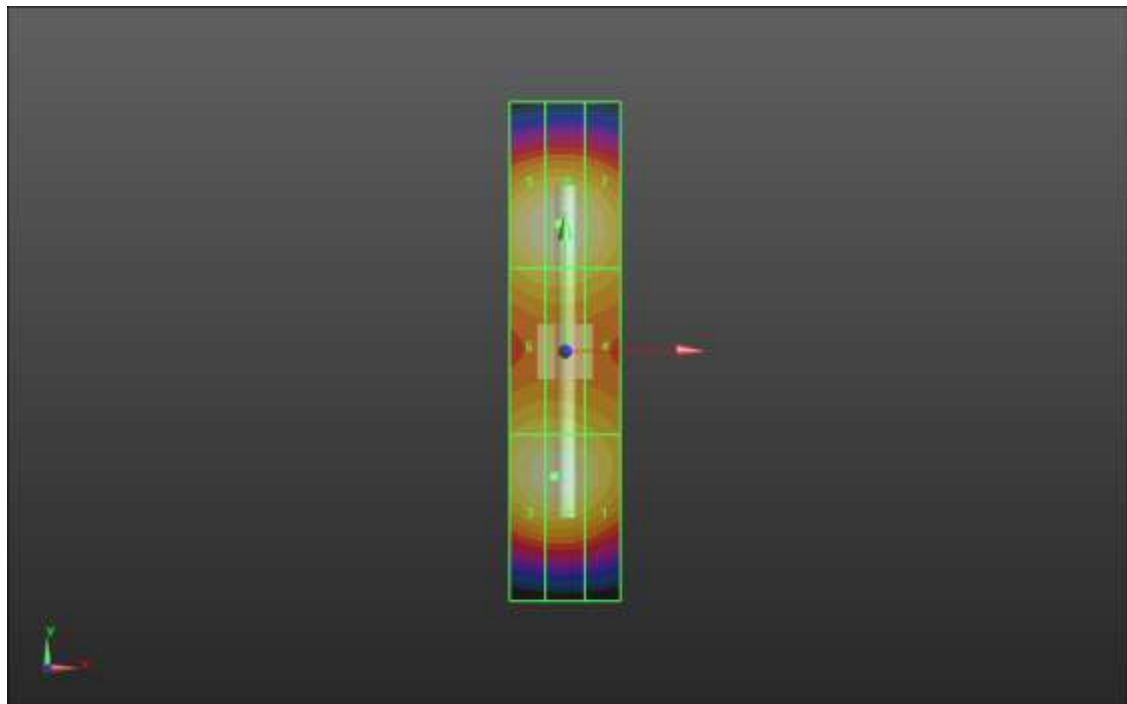
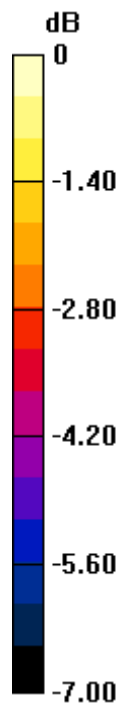
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 96.51 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 90.17 V/m	Grid 2 M3 94.39 V/m	Grid 3 M3 94.00 V/m
Grid 4 M3 85.70 V/m	Grid 5 M3 88.27 V/m	Grid 6 M3 87.59 V/m
Grid 7 M3 92.86 V/m	Grid 8 M3 96.51 V/m	Grid 9 M3 95.50 V/m



0 dB = 96.51 V/m = 39.69 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Dipole E-Field Measurement 3500MHz/3500 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.33 V/m; Power Drift = -0.14 dB

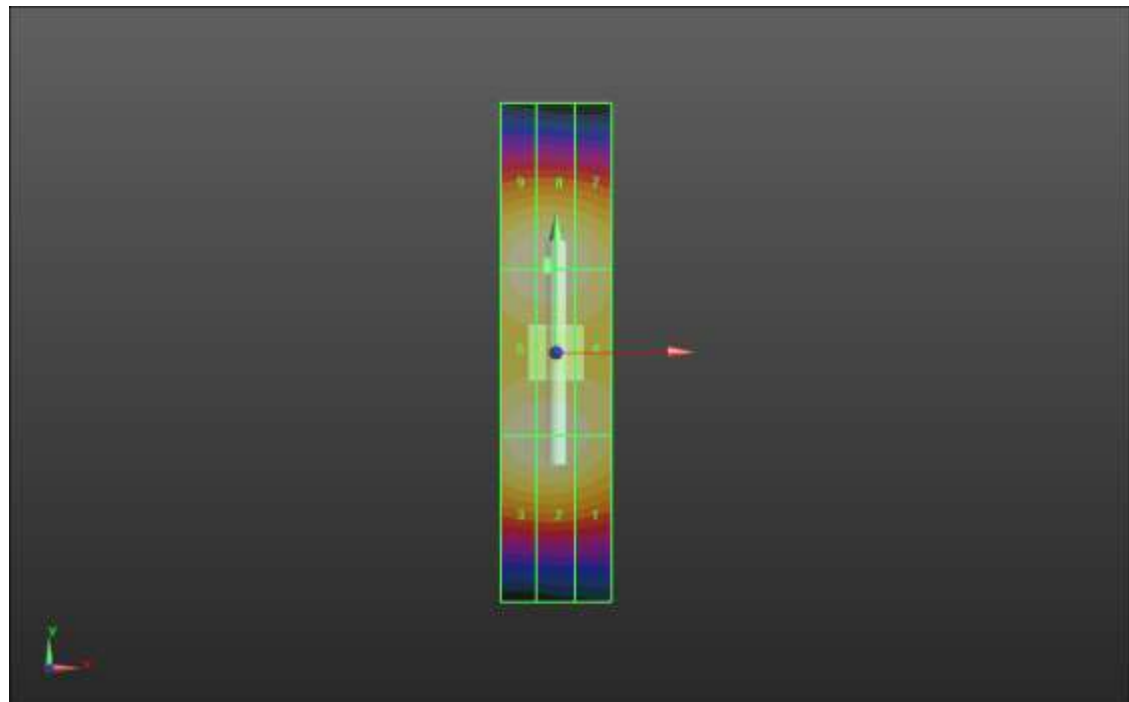
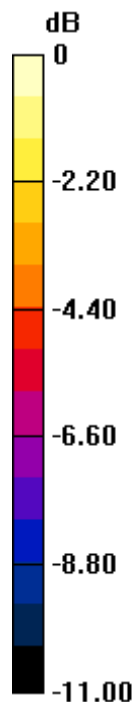
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.44 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 84.33 V/m	Grid 2 M3 87.90 V/m	Grid 3 M3 87.48 V/m
Grid 4 M3 84.82 V/m	Grid 5 M3 88.22 V/m	Grid 6 M3 87.60 V/m
Grid 7 M3 84.95 V/m	Grid 8 M3 88.44 V/m	Grid 9 M3 87.76 V/m



0 dB = 88.44 V/m = 38.93 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 3500 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3500 MHz; Calibrated: 3/22/2019
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1352; Calibrated: 11/6/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Dipole E-Field Measurement 3500MHz/3500 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 37.90 V/m; Power Drift = -0.07 dB

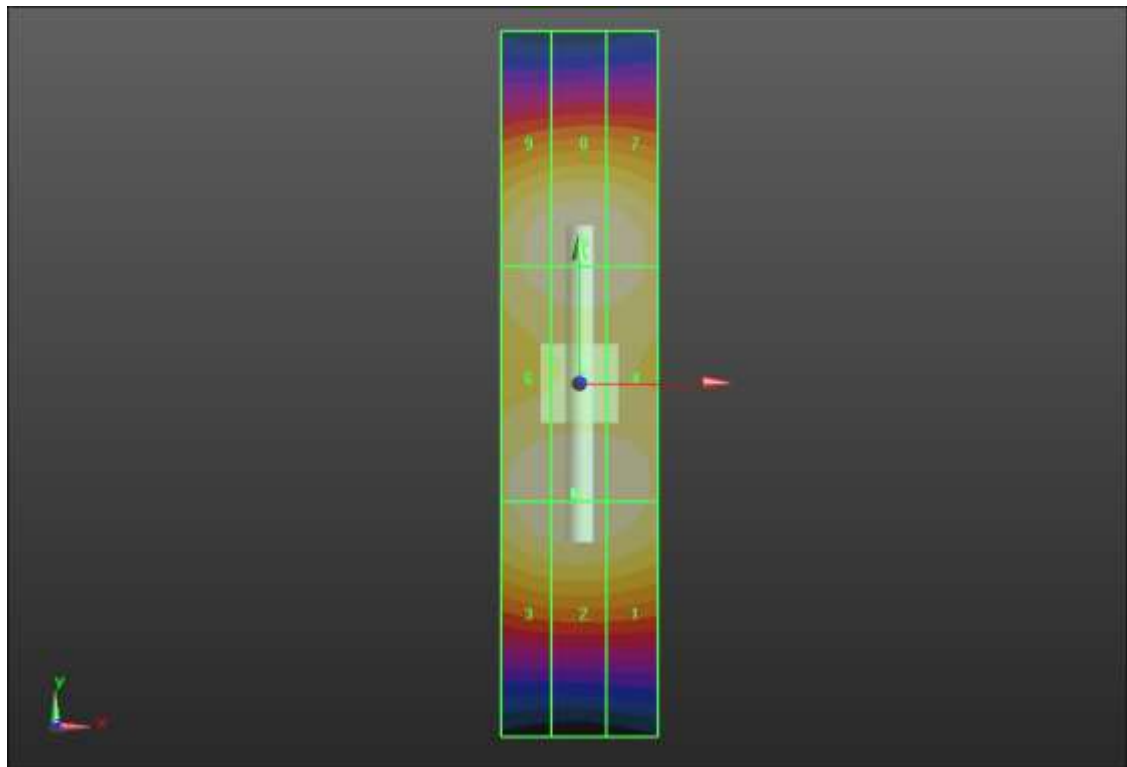
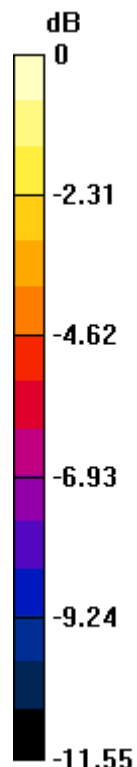
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.22 V/m

Near-field category: **M3 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 86.15 V/m	Grid 2 M3 87.62 V/m	Grid 3 M3 86.93 V/m
Grid 4 M3 86.43 V/m	Grid 5 M3 87.91 V/m	Grid 6 M3 87.16 V/m
Grid 7 M3 86.90 V/m	Grid 8 M3 88.22 V/m	Grid 9 M3 86.23 V/m



0 dB = 88.22 V/m = 38.91 dBV/m