

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) @ 835 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)

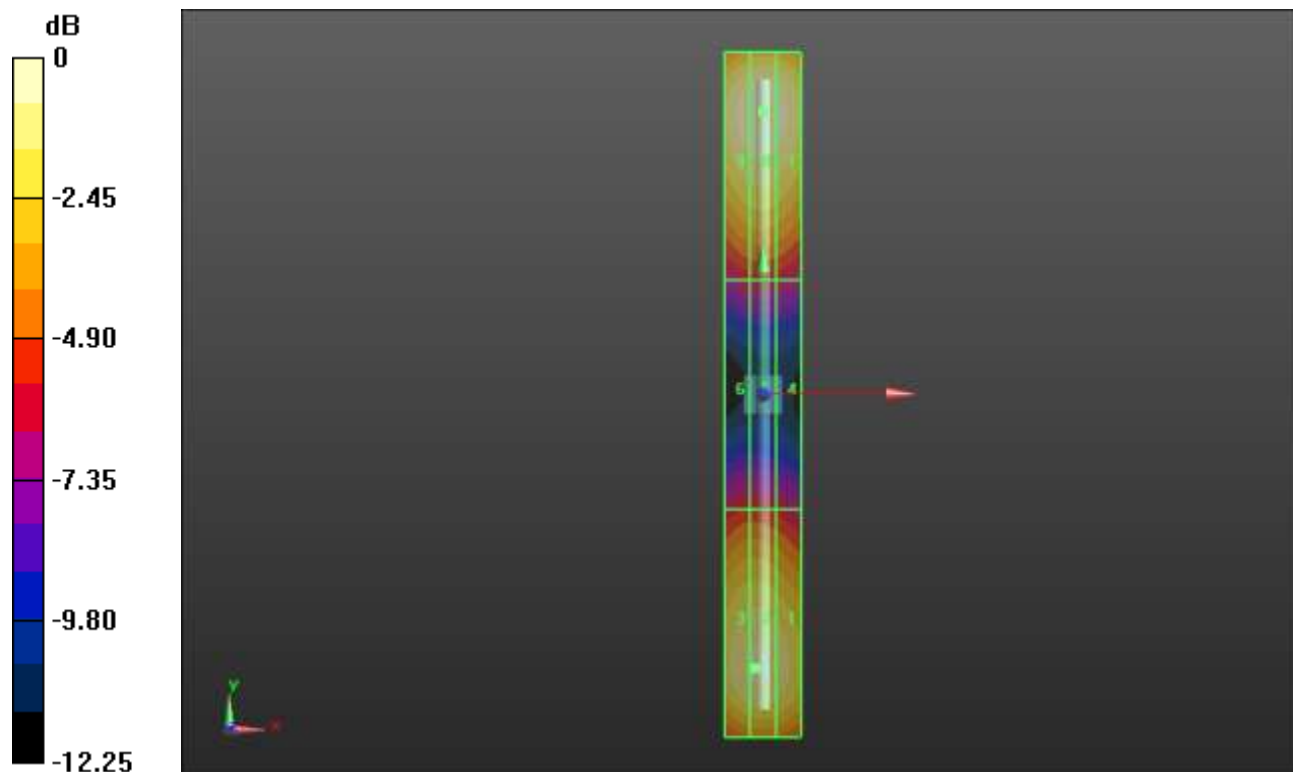
Dipole E-Field measurement 835MHz/835 MHz/Hearing Aid Compatibility Test at 15mm distance (41x361x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
 Device Reference Point: 0, 0, -6.3 mm
 Reference Value = 136.0 V/m; Power Drift = -0.05 dB
 PMR not calibrated. PMF = 1.000 is applied.
 E-field emissions = 127.5 V/m

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

PMF scaled E-field

Grid 1 M4 113.3 V/m	Grid 2 M4 118.1 V/m	Grid 3 M4 117.5 V/m
Grid 4 M4 63.82 V/m	Grid 5 M4 67.03 V/m	Grid 6 M4 66.98 V/m
Grid 7 M4 123.4 V/m	Grid 8 M4 127.5 V/m	Grid 9 M4 124.8 V/m



0 dB = 127.5 V/m = 42.11 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)

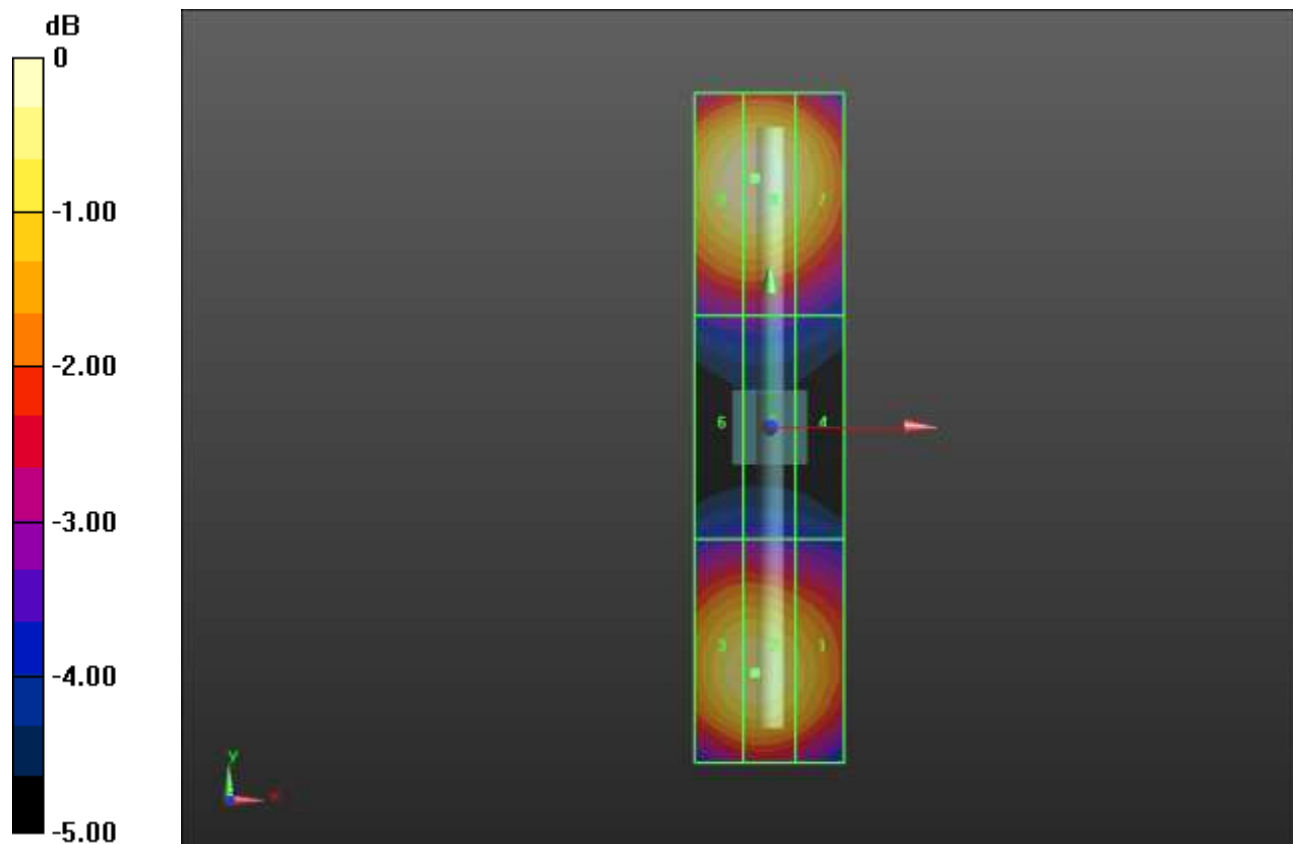
Dipole E-Field Measurement 1880MHz/1880 MHz/Hearing Aid Compatibility Test at 15mm distance (41x181x1):

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

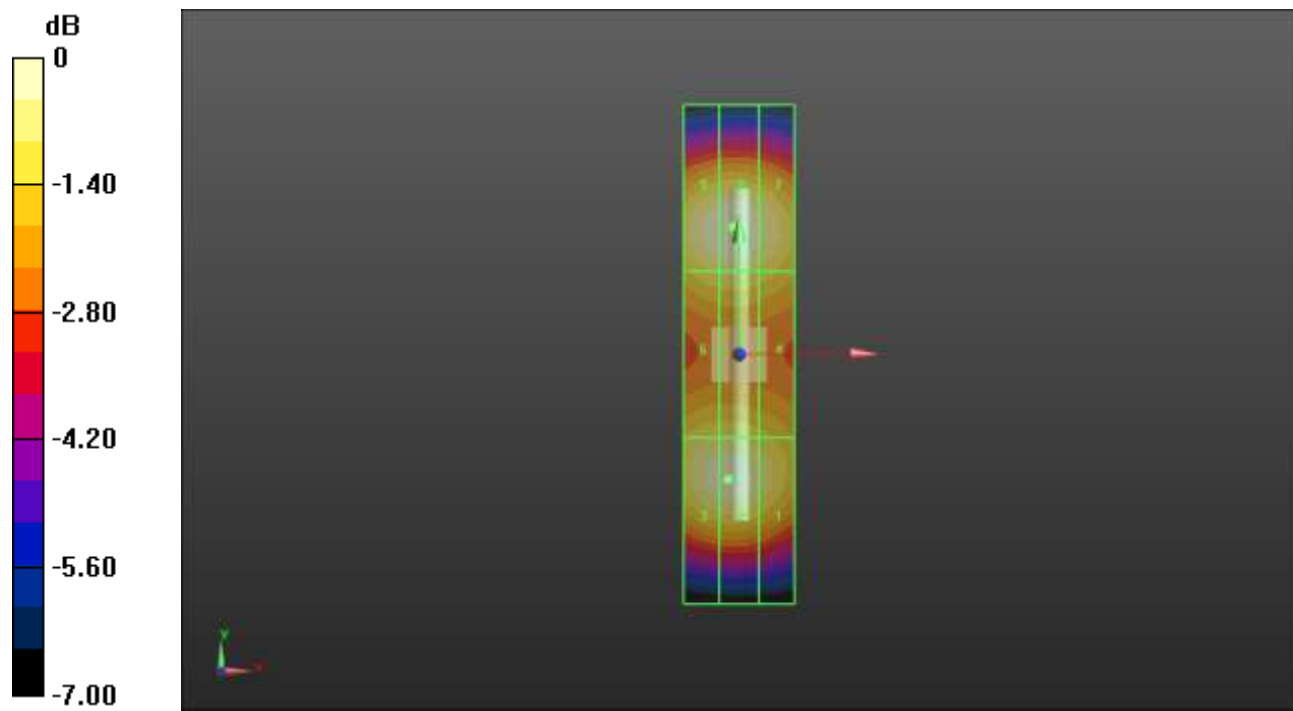
PMR not calibrated. PMF = 1.000 is applied.

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: 2450 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2450 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 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 = 80.52 V/m; Power Drift = -0.00 dB

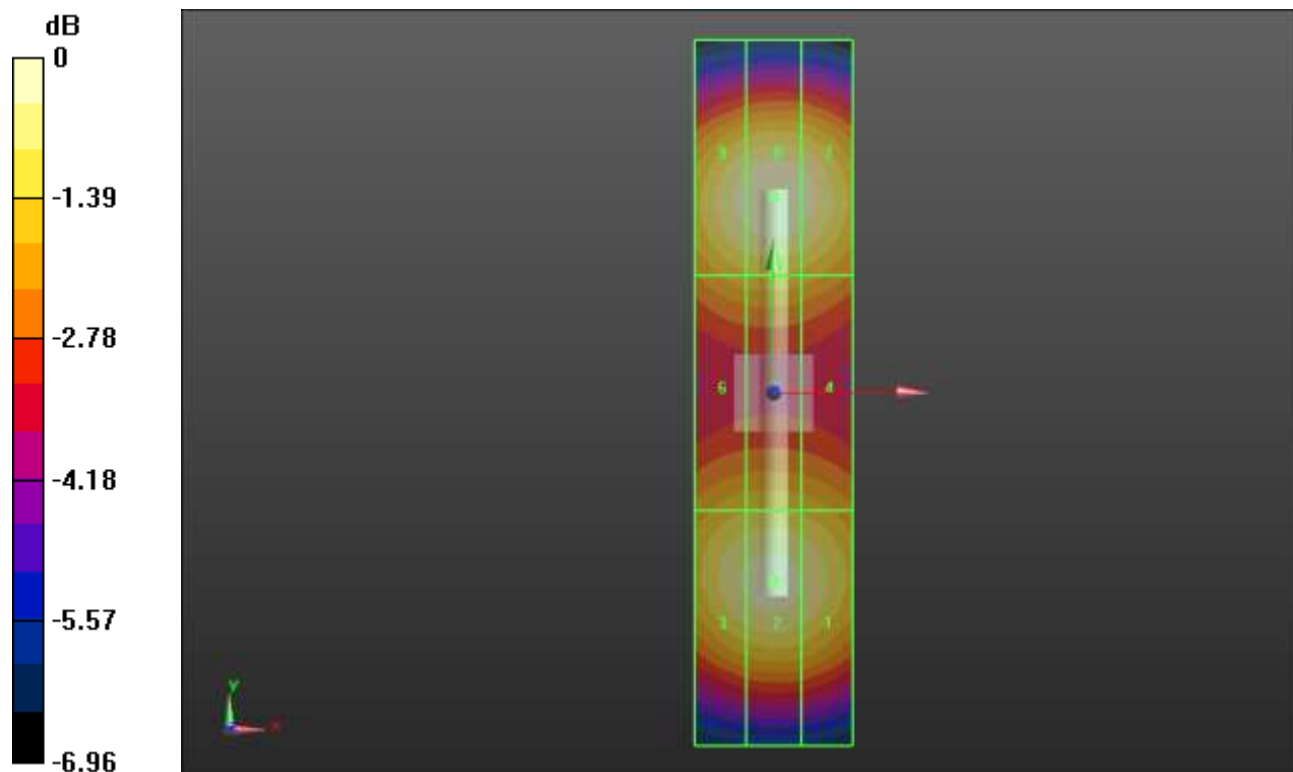
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.62 V/m

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

PMF scaled E-field

Grid 1 M3 90.15 V/m	Grid 2 M3 92.39 V/m	Grid 3 M3 90.69 V/m
Grid 4 M3 79.95 V/m	Grid 5 M3 81.17 V/m	Grid 6 M3 80.57 V/m
Grid 7 M3 92.34 V/m	Grid 8 M3 94.62 V/m	Grid 9 M3 92.27 V/m



0 dB = 94.62 V/m = 39.52 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) @ 5500 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 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 = 28.22 V/m; Power Drift = -0.24 dB

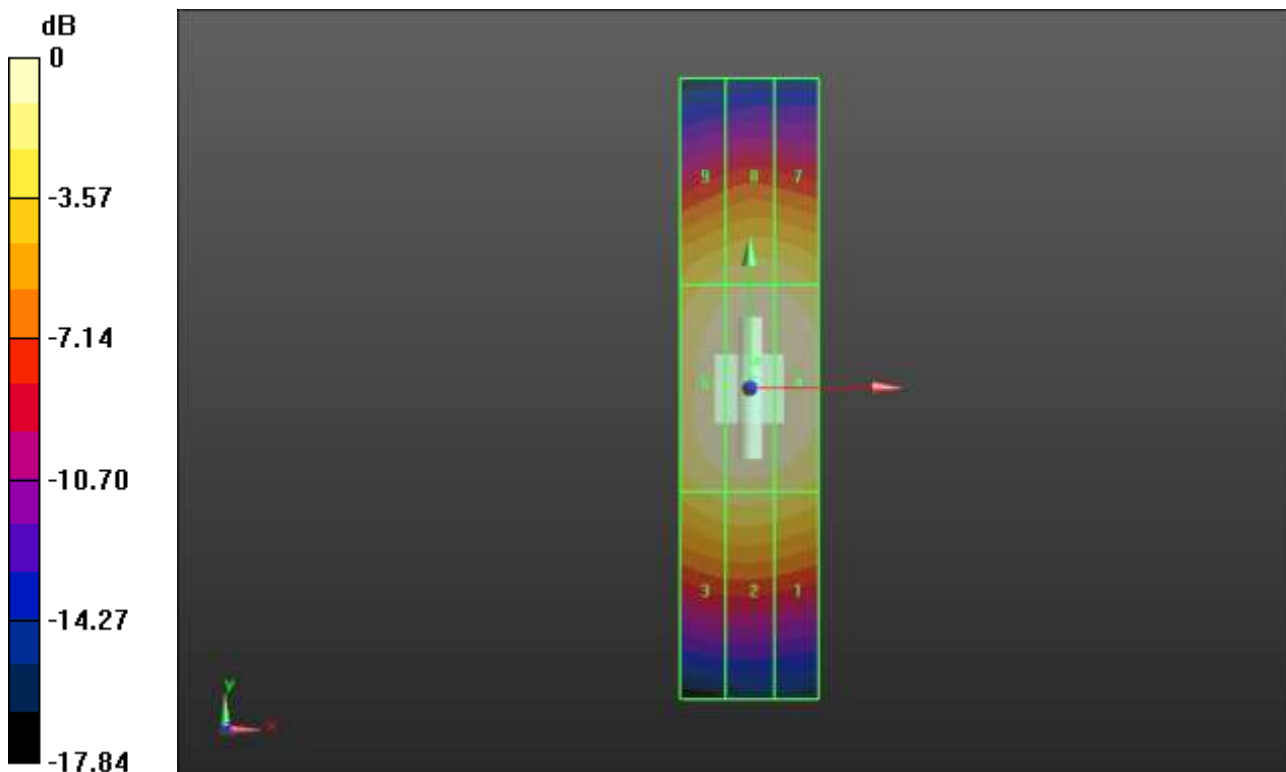
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 113.5 V/m

Near-field category: **M2 (AWF 0 dB)**

PMF scaled E-field

Grid 1 M3 90.49 V/m	Grid 2 M3 93.13 V/m	Grid 3 M3 91.29 V/m
Grid 4 M2 112.5 V/m	Grid 5 M2 113.5 V/m	Grid 6 M3 109.7 V/m
Grid 7 M3 98.12 V/m	Grid 8 M3 99.27 V/m	Grid 9 M3 94.01 V/m



0 dB = 113.5 V/m = 41.10 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

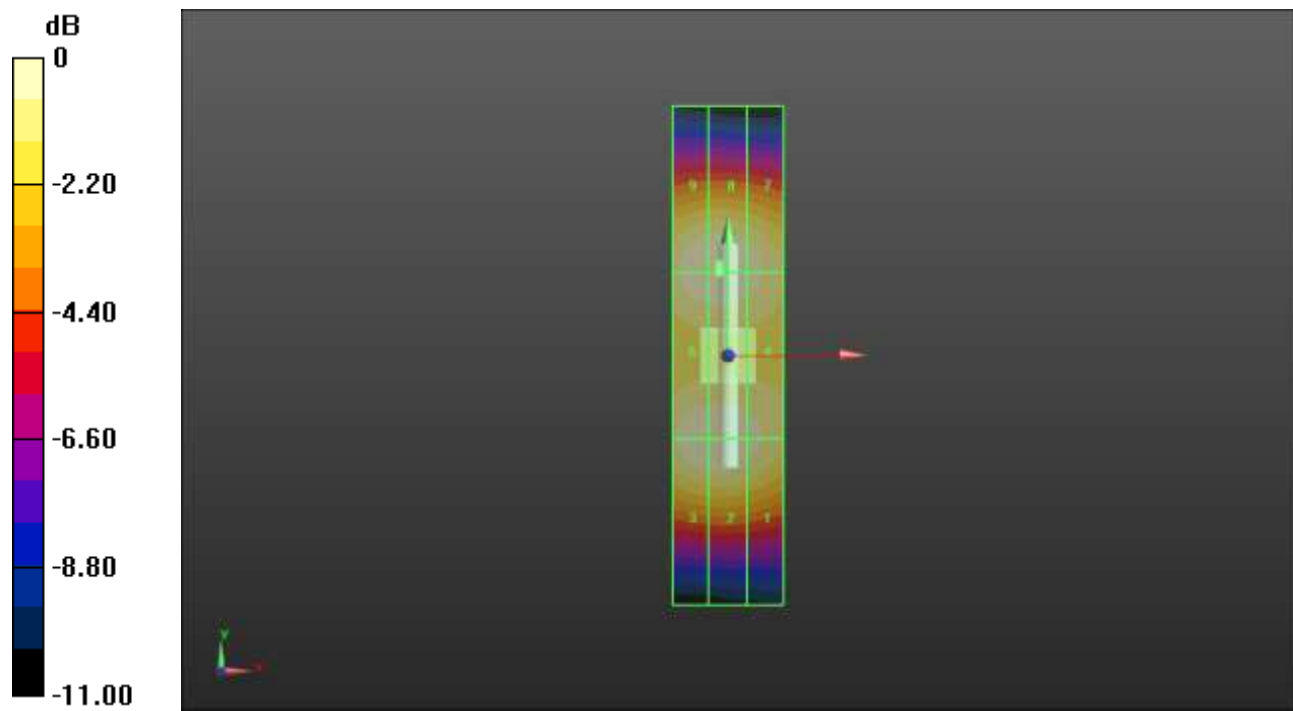
PMR not calibrated. PMF = 1.000 is applied.

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: 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 = 78.30 V/m; Power Drift = -0.10 dB

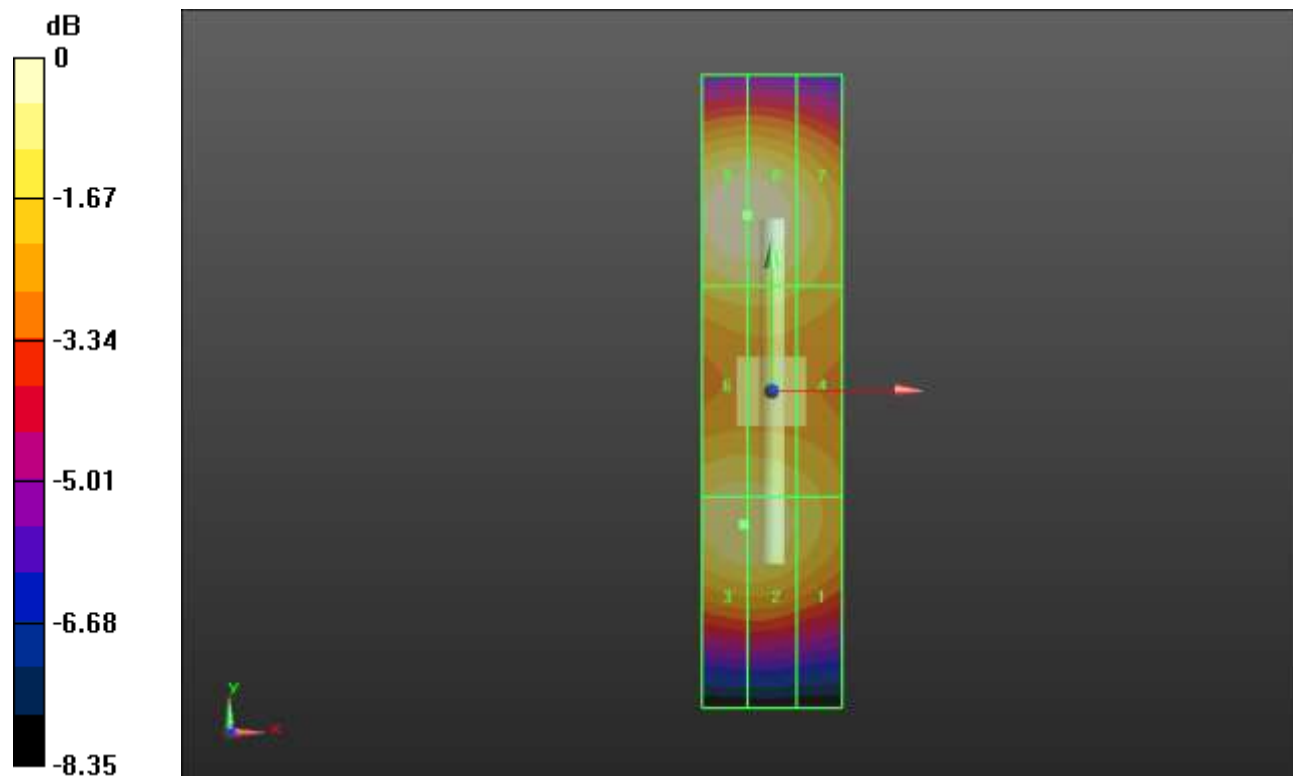
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.37 V/m

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

PMF scaled E-field

Grid 1 M3 78.38 V/m	Grid 2 M3 83.21 V/m	Grid 3 M3 83.21 V/m
Grid 4 M3 77.15 V/m	Grid 5 M3 81.13 V/m	Grid 6 M3 81.15 V/m
Grid 7 M3 82.71 V/m	Grid 8 M3 89.37 V/m	Grid 9 M3 89.37 V/m



0 dB = 89.37 V/m = 39.02 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) @ 2450 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 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 = 83.94 V/m; Power Drift = 0.30 dB

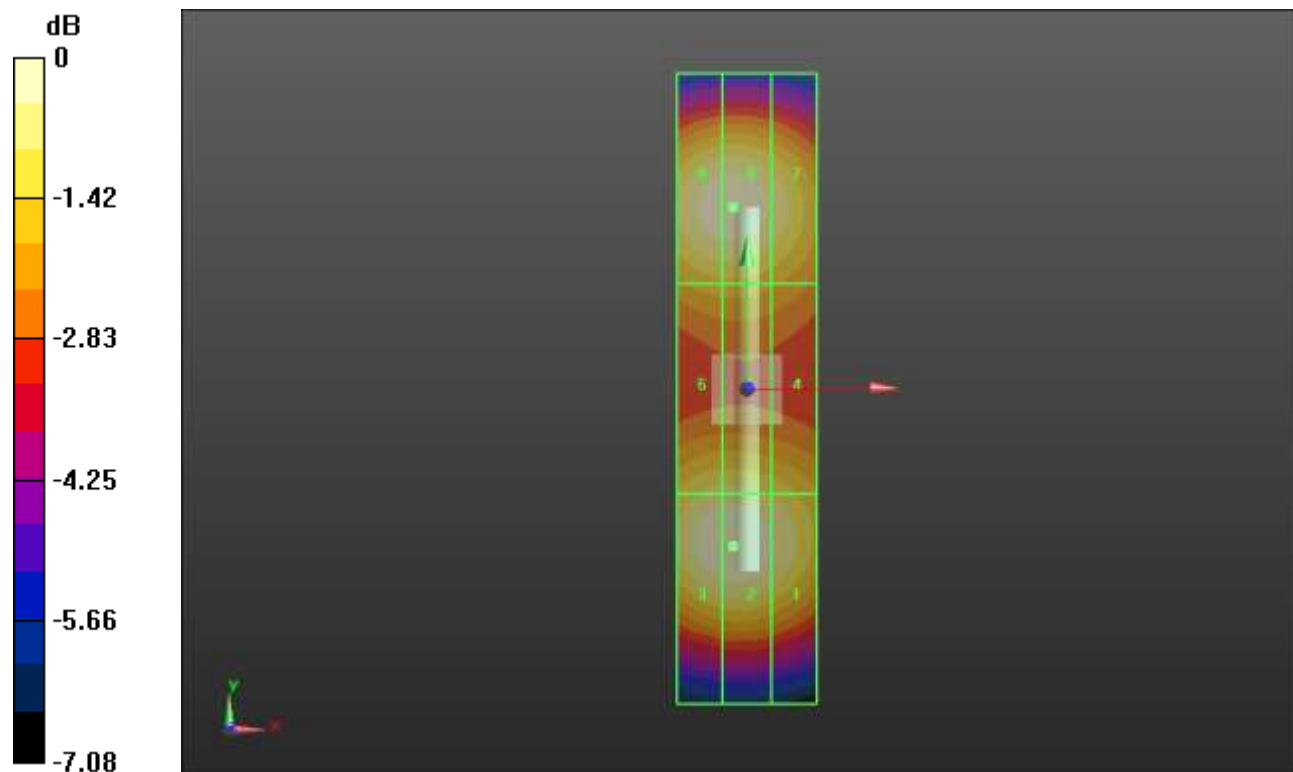
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.28 V/m

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

PMF scaled E-field

Grid 1 M3 84.43 V/m	Grid 2 M3 88.28 V/m	Grid 3 M3 87.90 V/m
Grid 4 M3 78.70 V/m	Grid 5 M3 81.42 V/m	Grid 6 M3 81.35 V/m
Grid 7 M3 82.90 V/m	Grid 8 M3 87.23 V/m	Grid 9 M3 87.00 V/m



0 dB = 88.28 V/m = 38.92 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) @ 5500 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 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 = 28.36 V/m; Power Drift = 0.07 dB

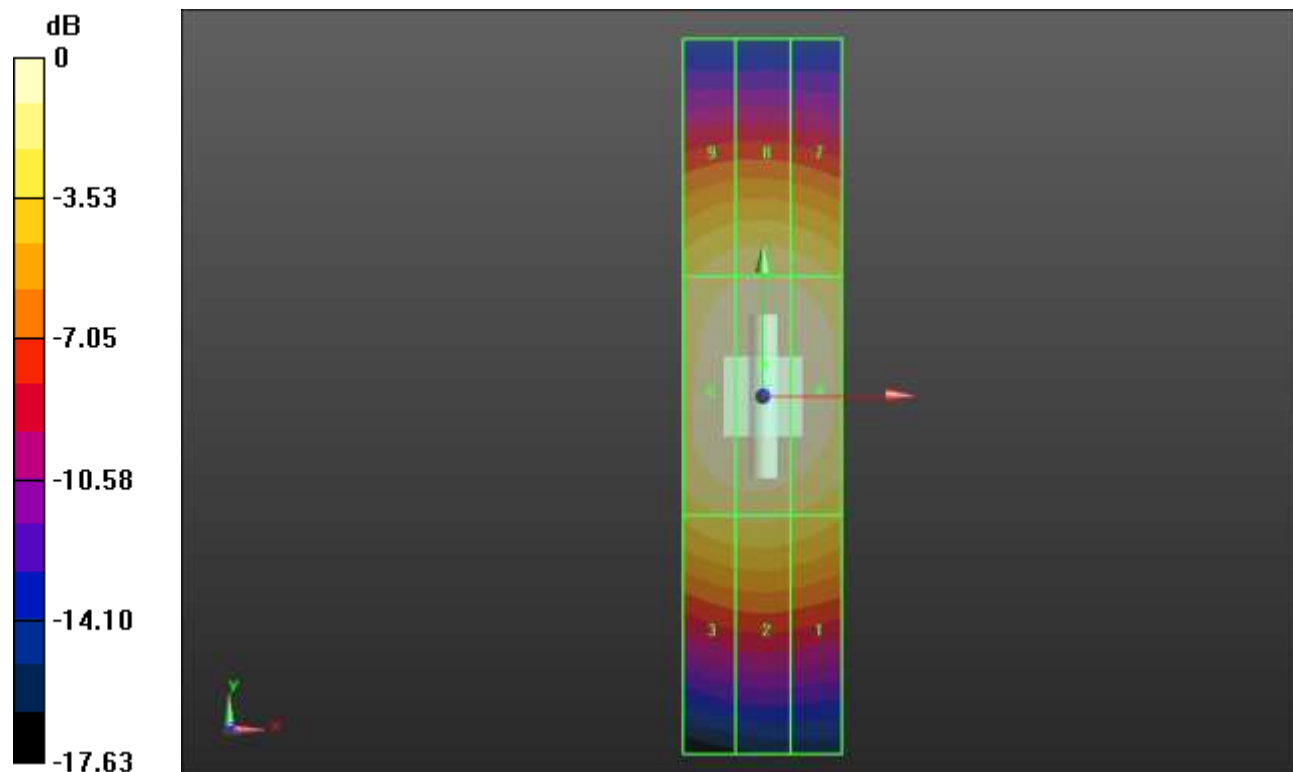
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 110.1 V/m

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

PMF scaled E-field

Grid 1 M3 84.26 V/m	Grid 2 M3 87.19 V/m	Grid 3 M3 86.04 V/m
Grid 4 M3 107.8 V/m	Grid 5 M3 110.1 V/m	Grid 6 M3 107.3 V/m
Grid 7 M3 94.38 V/m	Grid 8 M3 96.80 V/m	Grid 9 M3 94.67 V/m



0 dB = 110.1 V/m = 40.84 dBV/m

HAC-RF Emission AA1803

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

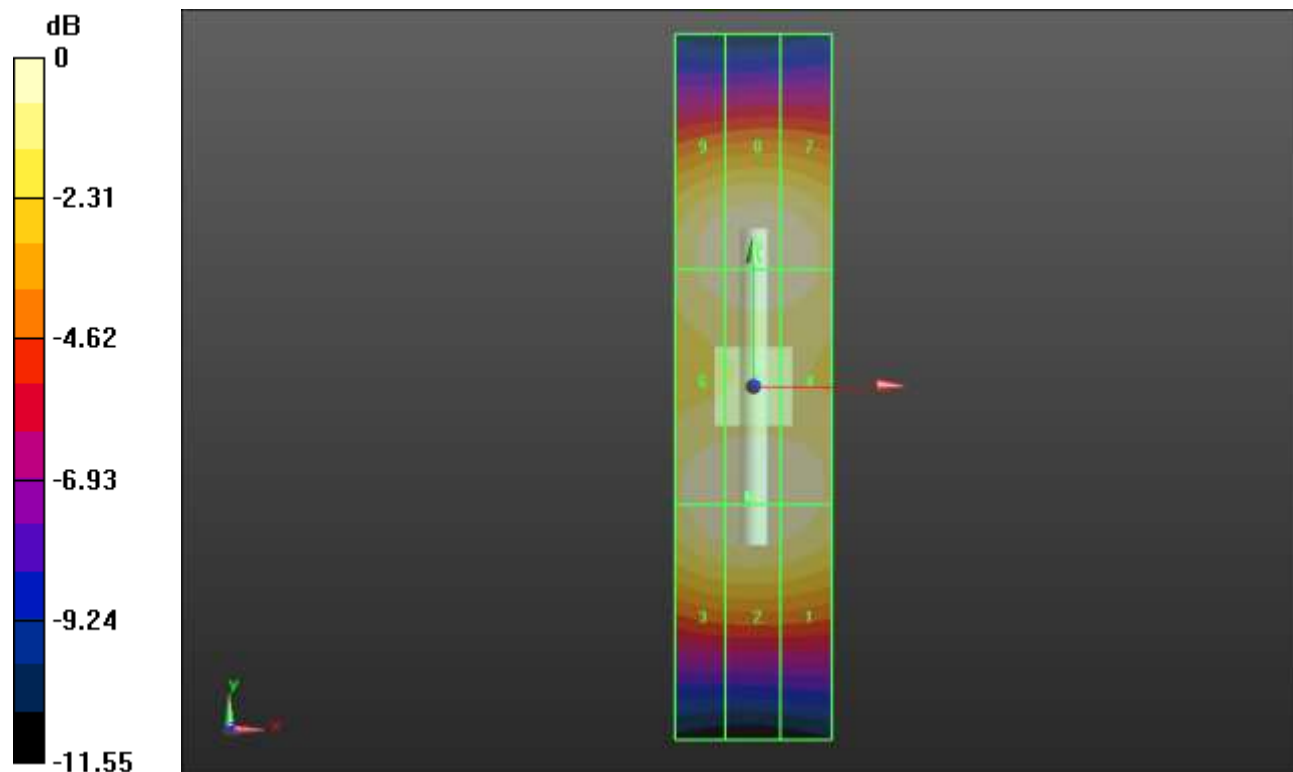
PMR not calibrated. PMF = 1.000 is applied.

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