

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 114.9 V/m; Power Drift = 0.04 dB

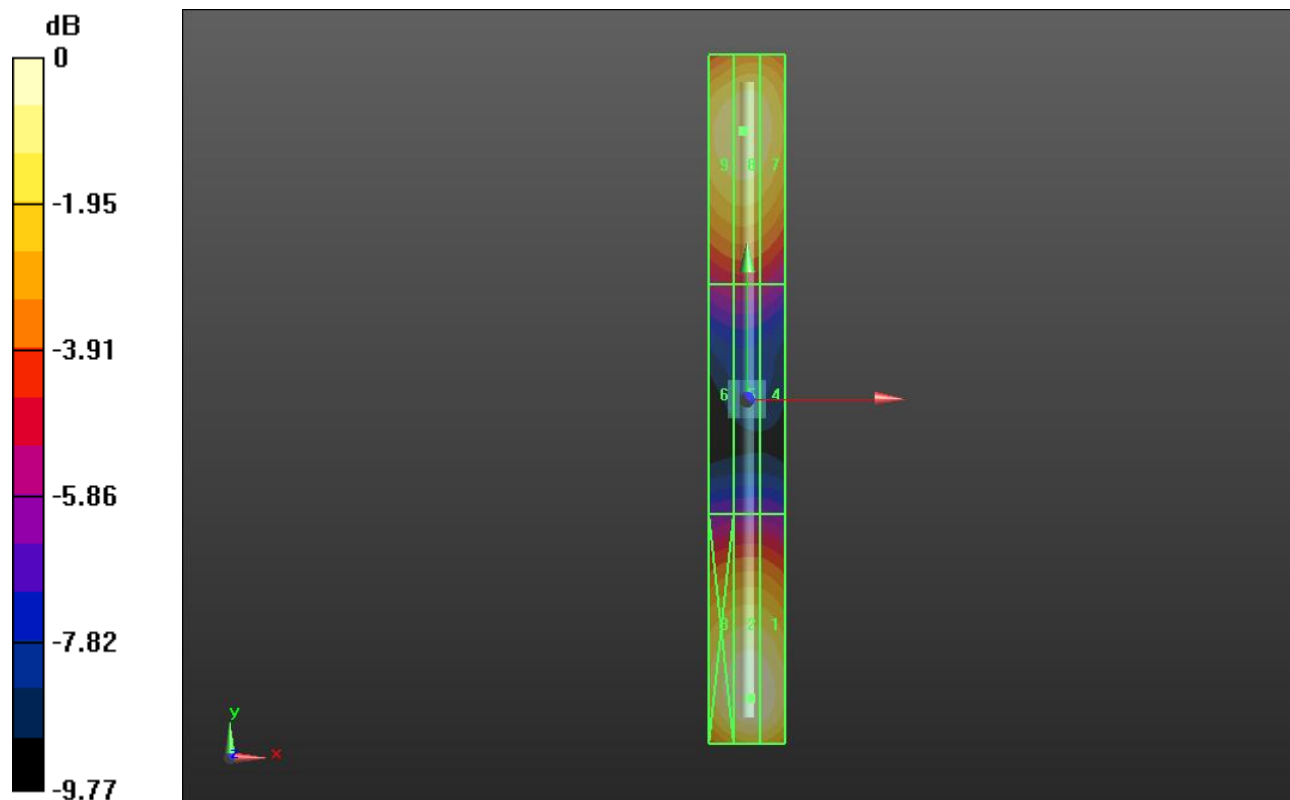
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 110.2 V/m

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

PMF scaled E-field

Grid 1 M4 109.2 V/m	Grid 2 M4 110.2 V/m	Grid 3 M4 106.8 V/m
Grid 4 M4 60.32 V/m	Grid 5 M4 61.89 V/m	Grid 6 M4 61.50 V/m
Grid 7 M4 99.93 V/m	Grid 8 M4 102.2 V/m	Grid 9 M4 101.3 V/m



0 dB = 110.2 V/m = 40.84 dBV/m

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 128.7 V/m; Power Drift = -0.00 dB

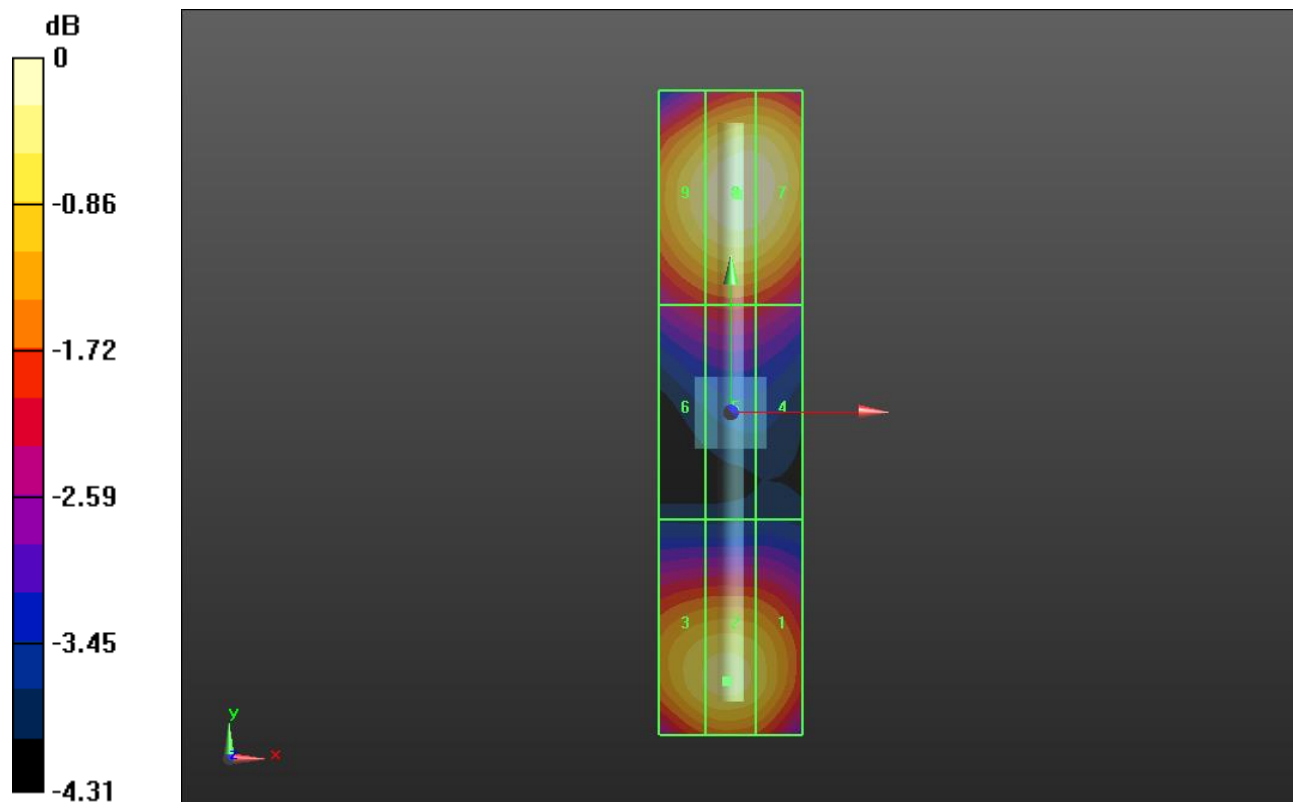
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.15 V/m

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

PMF scaled E-field

Grid 1 M3 81.93 V/m	Grid 2 M3 83.82 V/m	Grid 3 M3 82.95 V/m
Grid 4 M3 70.10 V/m	Grid 5 M3 70.84 V/m	Grid 6 M3 69.87 V/m
Grid 7 M3 87.78 V/m	Grid 8 M3 88.15 V/m	Grid 9 M3 85.46 V/m



0 dB = 88.15 V/m = 38.90 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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 83.12 V/m; Power Drift = 0.04 dB

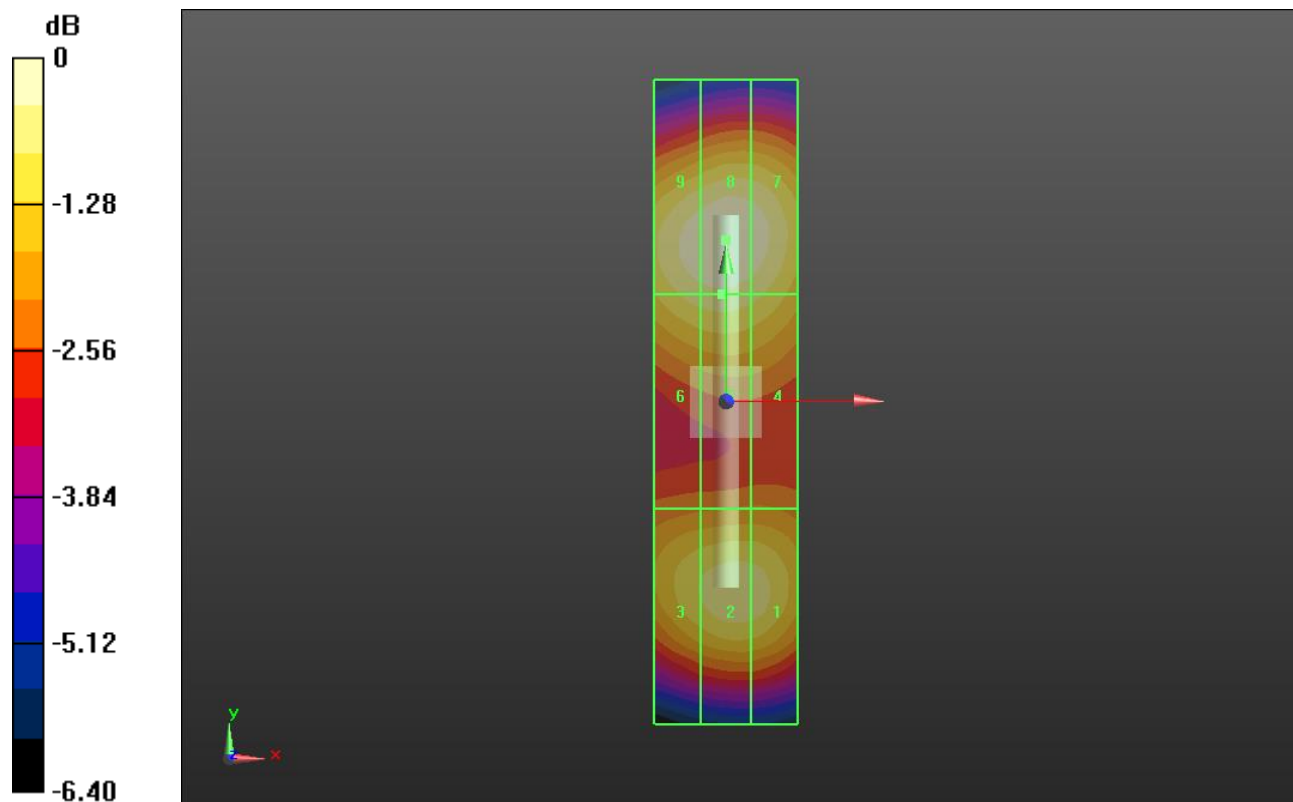
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 88.36 V/m

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

PMF scaled E-field

Grid 1 M3 82.44 V/m	Grid 2 M3 82.79 V/m	Grid 3 M3 80.44 V/m
Grid 4 M3 81.58 V/m	Grid 5 M3 83.16 V/m	Grid 6 M3 82.44 V/m
Grid 7 M3 86.96 V/m	Grid 8 M3 88.36 V/m	Grid 9 M3 87.09 V/m



0 dB = 88.36 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: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/12/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 72.93 V/m; Power Drift = 0.01 dB

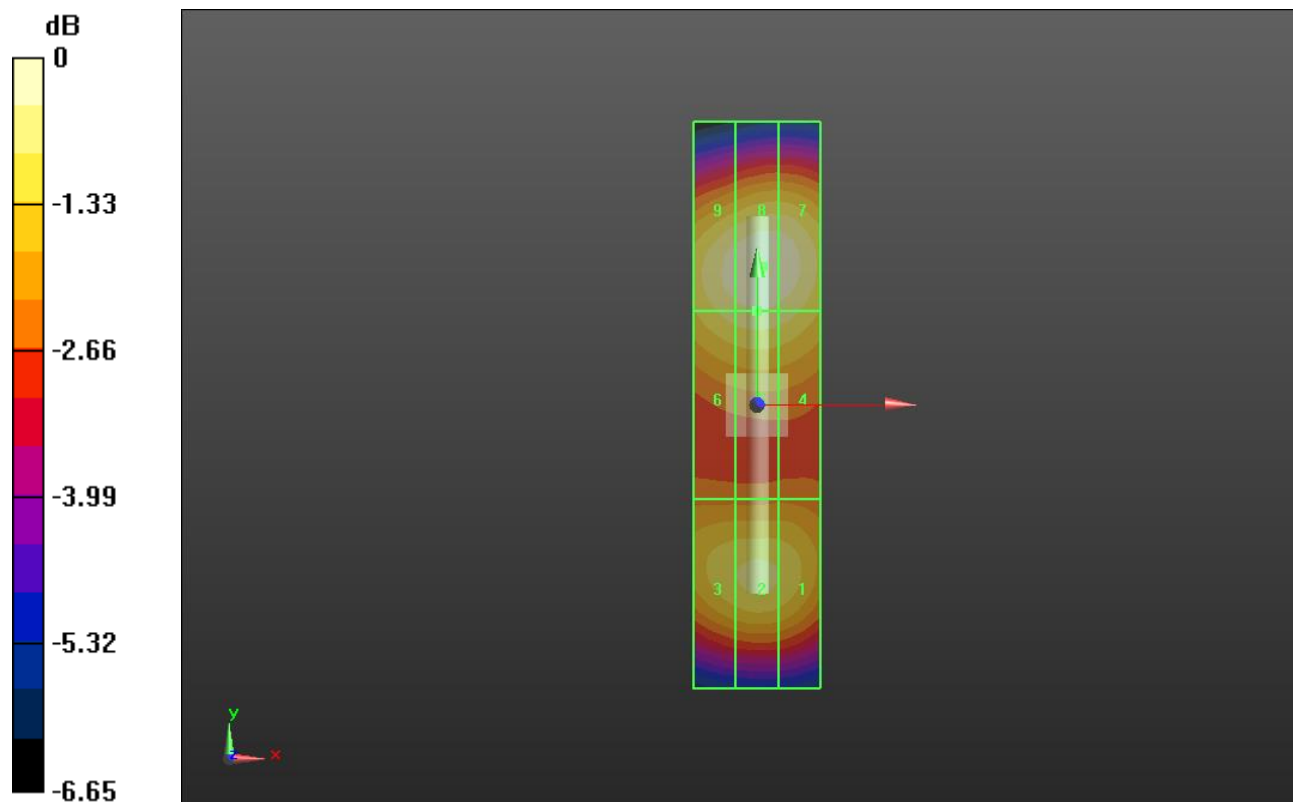
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 85.06 V/m

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

PMF scaled E-field

Grid 1 M3 76.81 V/m	Grid 2 M3 77.87 V/m	Grid 3 M3 76.68 V/m
Grid 4 M3 79.55 V/m	Grid 5 M3 80.56 V/m	Grid 6 M3 79.27 V/m
Grid 7 M3 84.27 V/m	Grid 8 M3 85.06 V/m	Grid 9 M3 83.02 V/m



0 dB = 85.06 V/m = 38.59 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 5200 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 5.2GHz corrected grid/5.2GHz/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 = 26.15 V/m; Power Drift = 0.21 dB

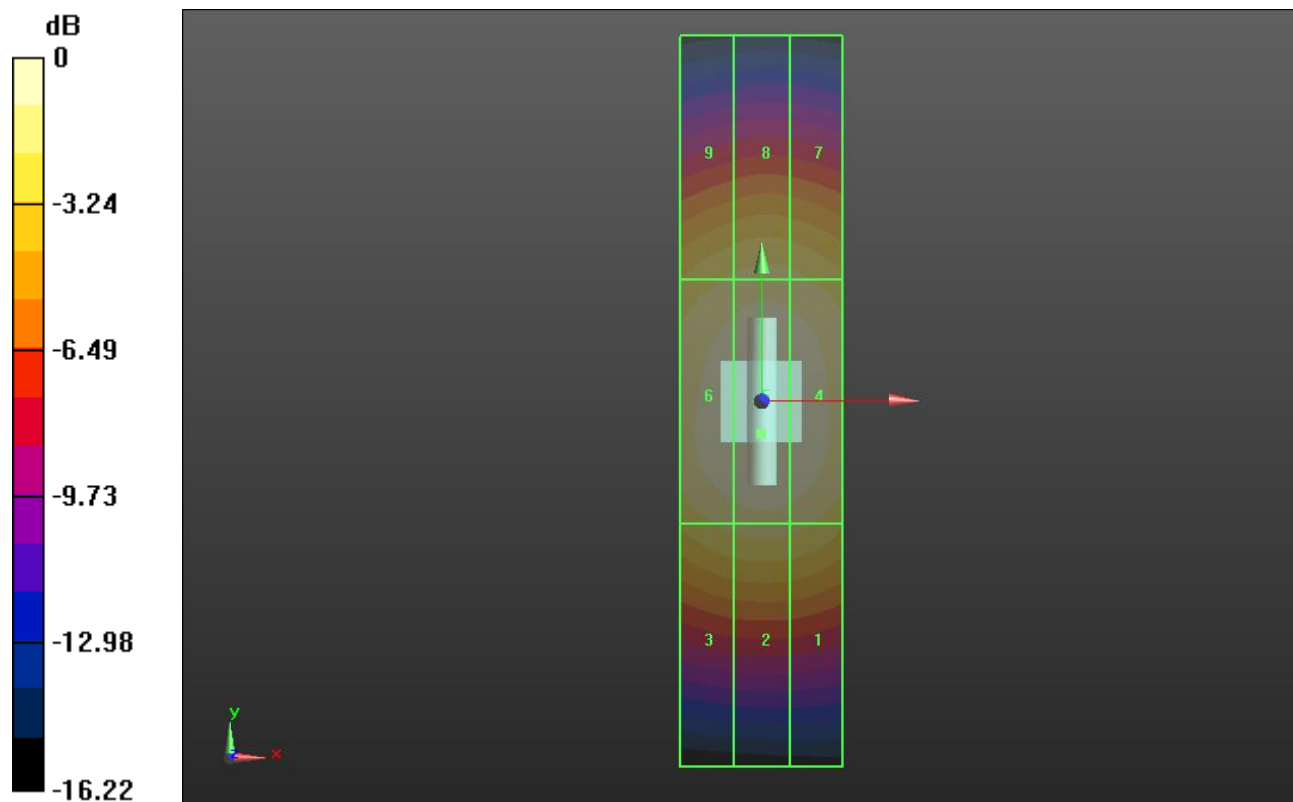
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 100.2 V/m

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

PMF scaled E-field

Grid 1 M3 82.34 V/m	Grid 2 M3 83.89 V/m	Grid 3 M3 81.69 V/m
Grid 4 M3 98.19 V/m	Grid 5 M3 100.2 V/m	Grid 6 M3 97.48 V/m
Grid 7 M3 81.53 V/m	Grid 8 M3 83.15 V/m	Grid 9 M3 80.10 V/m



0 dB = 100.2 V/m = 40.02 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 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 = 25.26 V/m; Power Drift = -0.02 dB

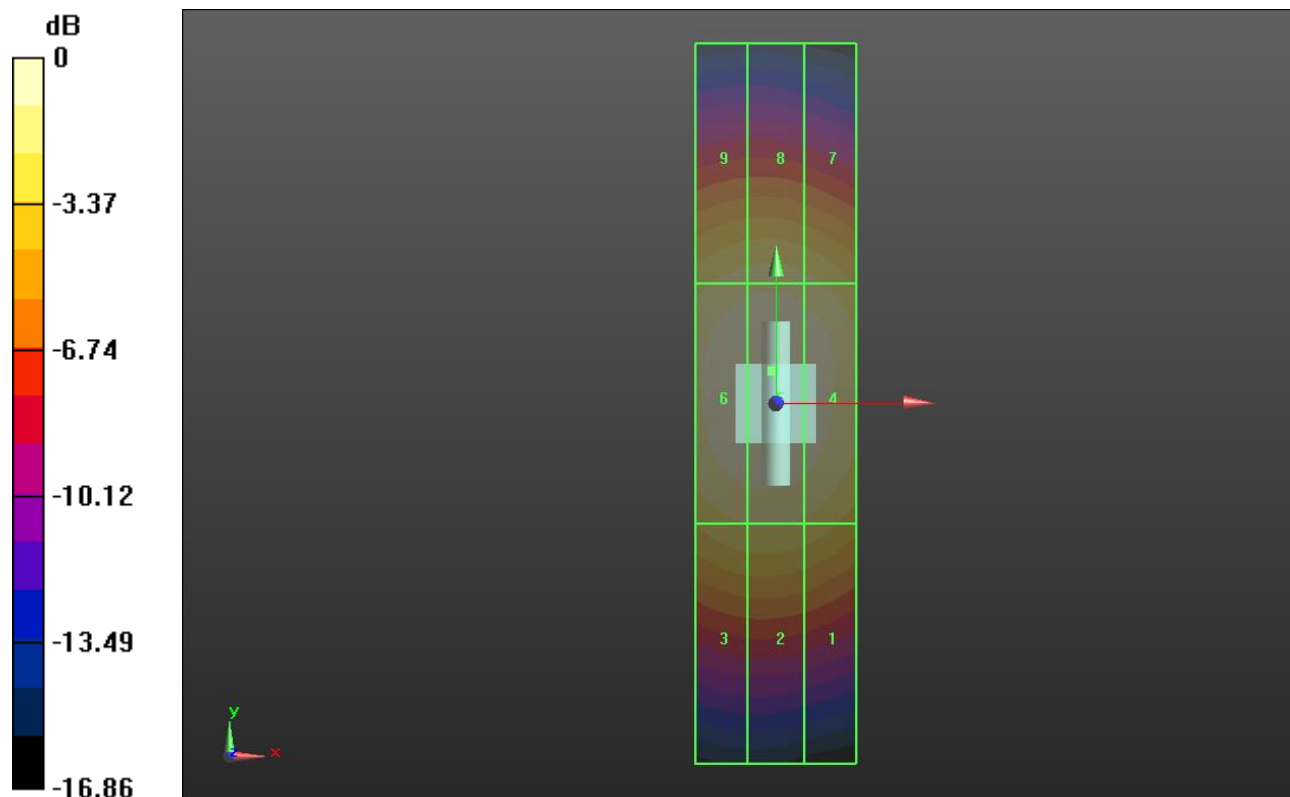
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 102.8 V/m

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

PMF scaled E-field

Grid 1 M3 77.38 V/m	Grid 2 M3 80.52 V/m	Grid 3 M3 79.74 V/m
Grid 4 M3 99.08 V/m	Grid 5 M3 102.8 V/m	Grid 6 M3 101.0 V/m
Grid 7 M3 83.73 V/m	Grid 8 M3 87.26 V/m	Grid 9 M3 85.94 V/m



0 dB = 102.8 V/m = 40.24 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 5.6GHz/5.6GHz/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 = 25.89 V/m; Power Drift = 0.01 dB

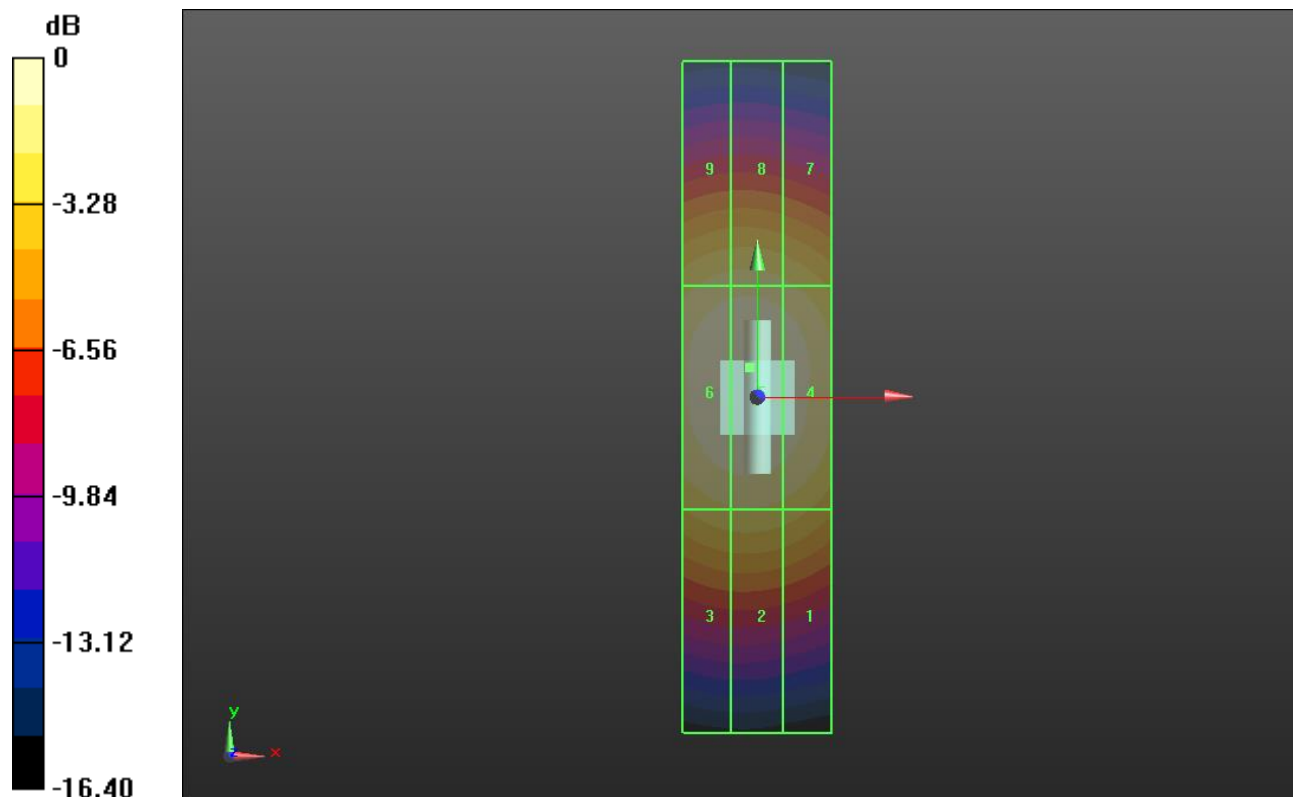
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 98.24 V/m

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

PMF scaled E-field

Grid 1 M3 73.24 V/m	Grid 2 M3 76.20 V/m	Grid 3 M3 75.51 V/m
Grid 4 M3 94.36 V/m	Grid 5 M3 98.24 V/m	Grid 6 M3 97.09 V/m
Grid 7 M3 79.06 V/m	Grid 8 M3 82.86 V/m	Grid 9 M3 82.06 V/m



0 dB = 98.24 V/m = 39.85 dBV/m

HAC-RF Emission

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1

Phantom section: RF Section

DASY5 Configuration:

- Probe: EF3DV3 - SN4041 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1377; Calibrated: 9/14/2016
- 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 5.8GHz/5.8 GHz/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 = 28.64 V/m; Power Drift = 0.17 dB

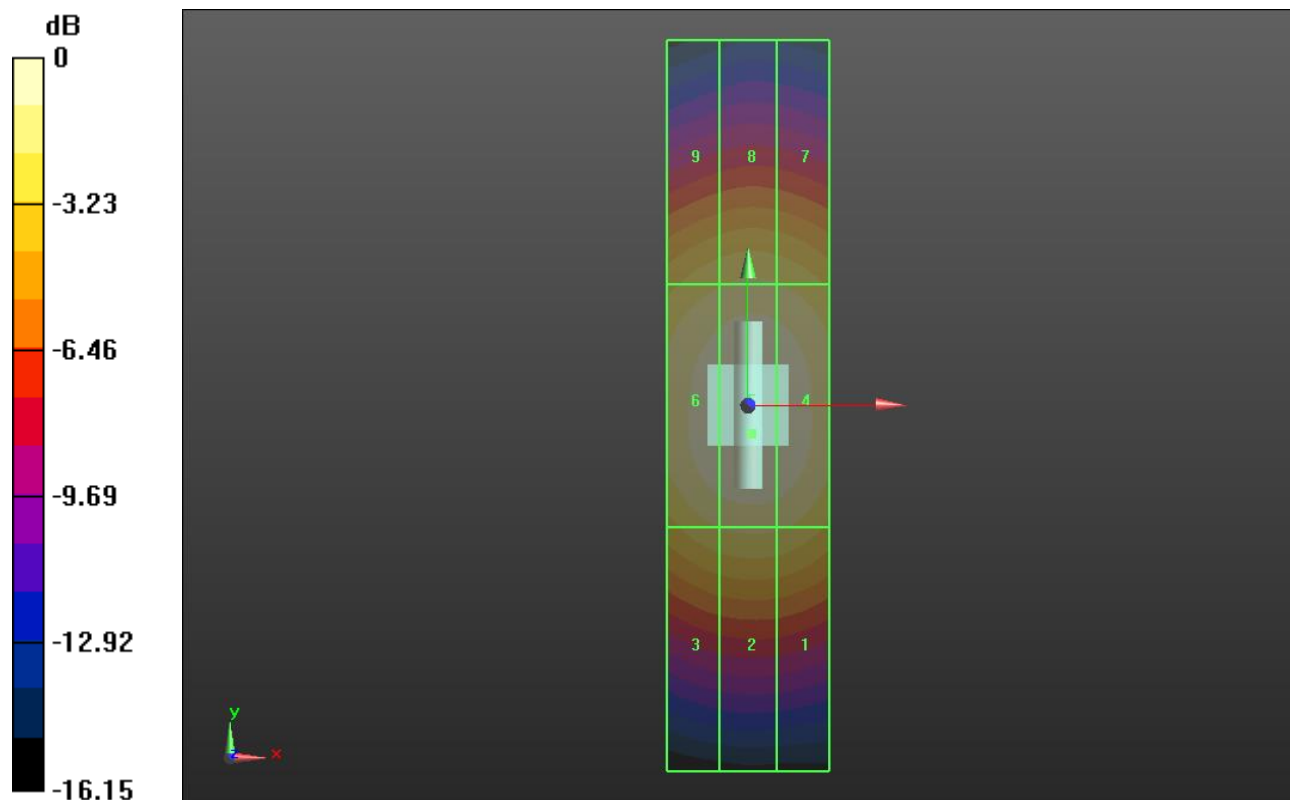
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 105.2 V/m

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

PMF scaled E-field

Grid 1 M3 83.68 V/m	Grid 2 M3 84.85 V/m	Grid 3 M3 82.26 V/m
Grid 4 M3 103.0 V/m	Grid 5 M3 105.2 V/m	Grid 6 M3 102.0 V/m
Grid 7 M3 82.78 V/m	Grid 8 M3 84.38 V/m	Grid 9 M3 81.28 V/m



0 dB = 105.2 V/m = 40.44 dBV/m