

HAC-RF Emission

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

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 105.6 V/m; Power Drift = 0.03 dB

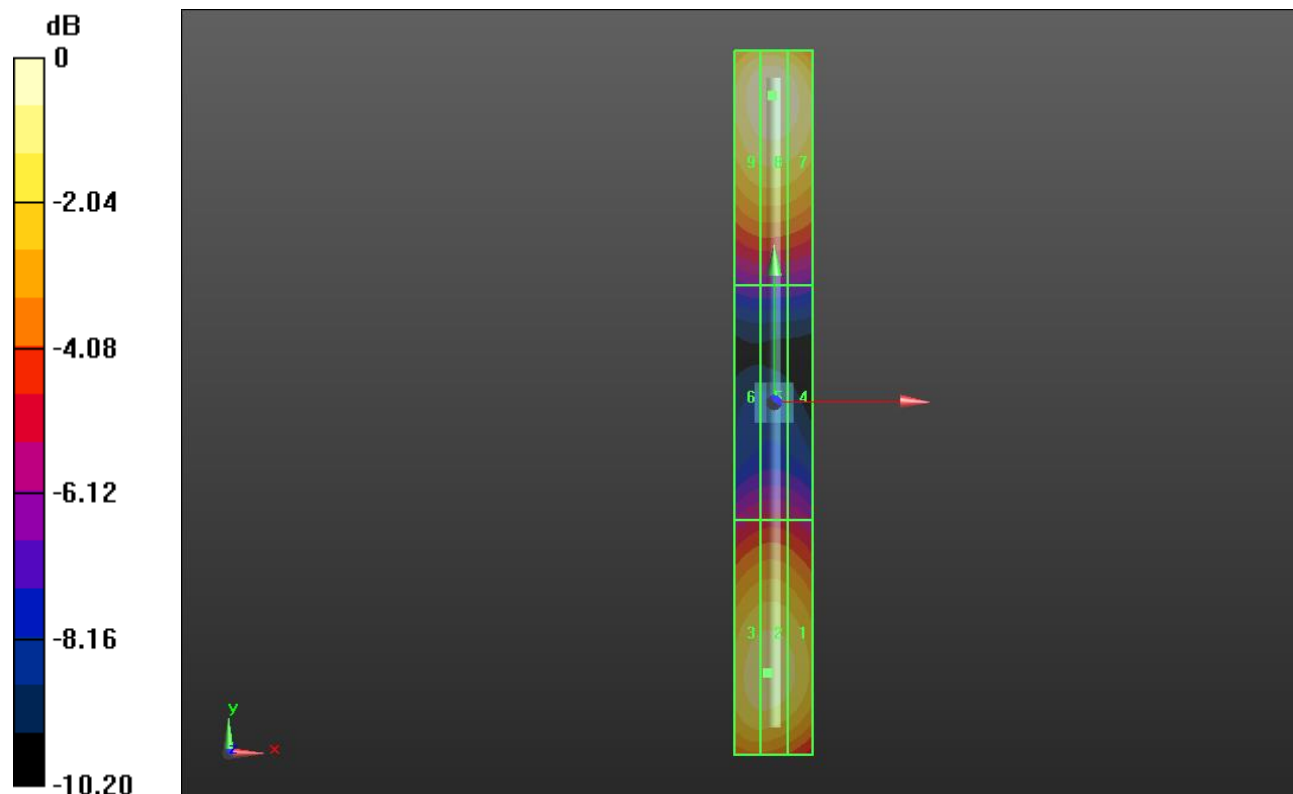
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 112.5 V/m

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

PMF scaled E-field

Grid 1 M4 98.96 V/m	Grid 2 M4 101.8 V/m	Grid 3 M4 101.3 V/m
Grid 4 M4 61.46 V/m	Grid 5 M4 62.65 V/m	Grid 6 M4 61.96 V/m
Grid 7 M4 109.7 V/m	Grid 8 M4 112.5 V/m	Grid 9 M4 110.9 V/m



0 dB = 112.5 V/m = 41.02 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 164.4 V/m; Power Drift = -0.00 dB

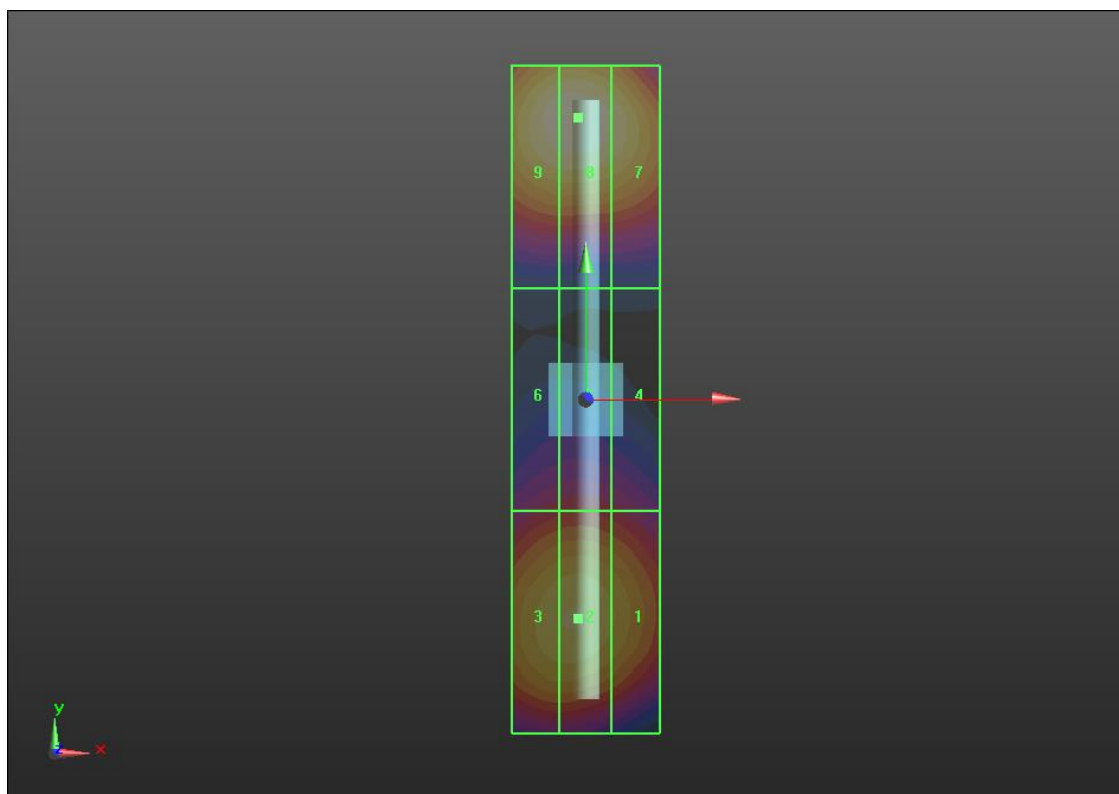
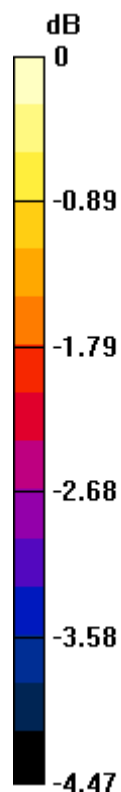
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.84 V/m

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

PMF scaled E-field

Grid 1 M3 82.42 V/m	Grid 2 M3 85.15 V/m	Grid 3 M3 84.75 V/m
Grid 4 M3 70.12 V/m	Grid 5 M3 71.50 V/m	Grid 6 M3 70.87 V/m
Grid 7 M3 87.99 V/m	Grid 8 M3 90.84 V/m	Grid 9 M3 90.27 V/m



0 dB = 90.84 V/m = 39.17 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 96.68 V/m; Power Drift = 0.05 dB

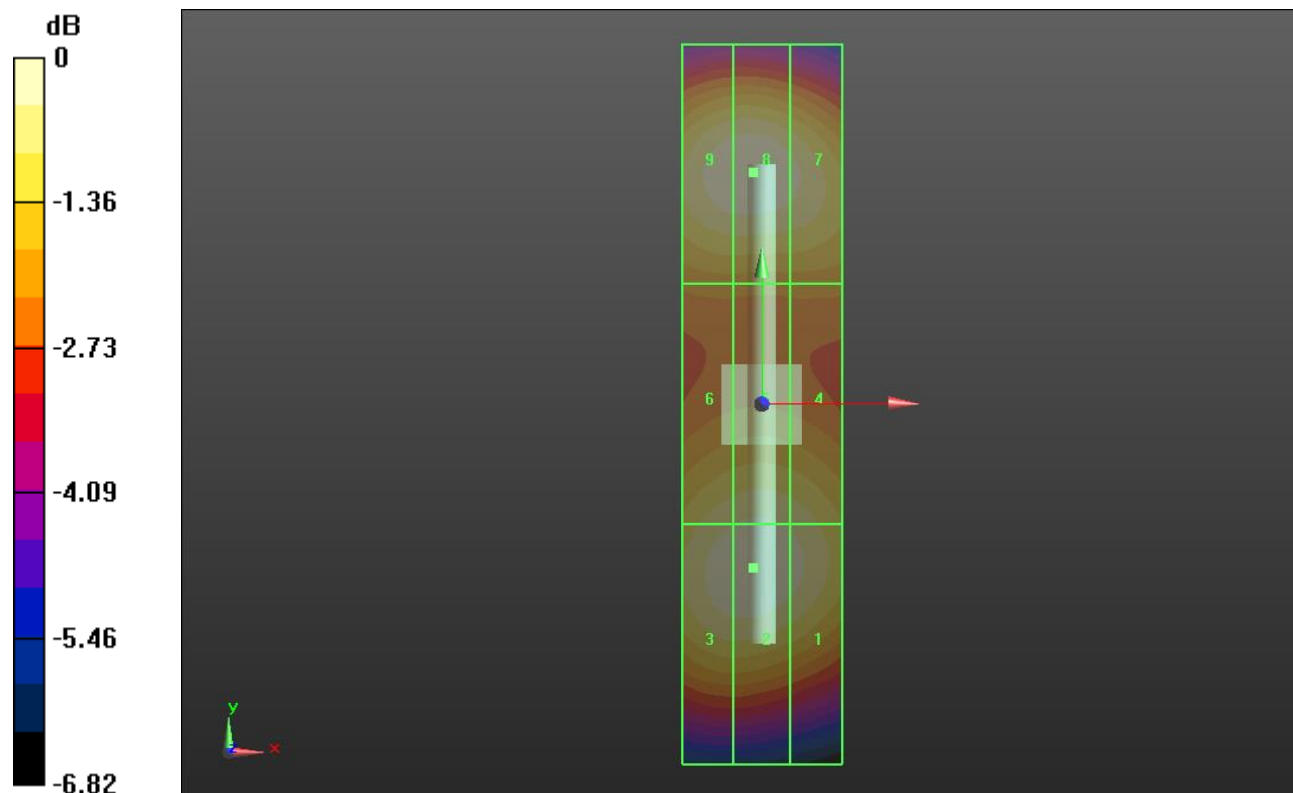
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 87.30 V/m

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

PMF scaled E-field

Grid 1 M3 84.85 V/m	Grid 2 M3 86.96 V/m	Grid 3 M3 86.31 V/m
Grid 4 M3 82.26 V/m	Grid 5 M3 83.81 V/m	Grid 6 M3 82.84 V/m
Grid 7 M3 84.41 V/m	Grid 8 M3 87.30 V/m	Grid 9 M3 86.83 V/m



0 dB = 87.30 V/m = 38.82 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 - SN2540; ConvF(1, 1, 1); Calibrated: 8/10/2015;
- 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 = 100.4 V/m; Power Drift = 0.01 dB

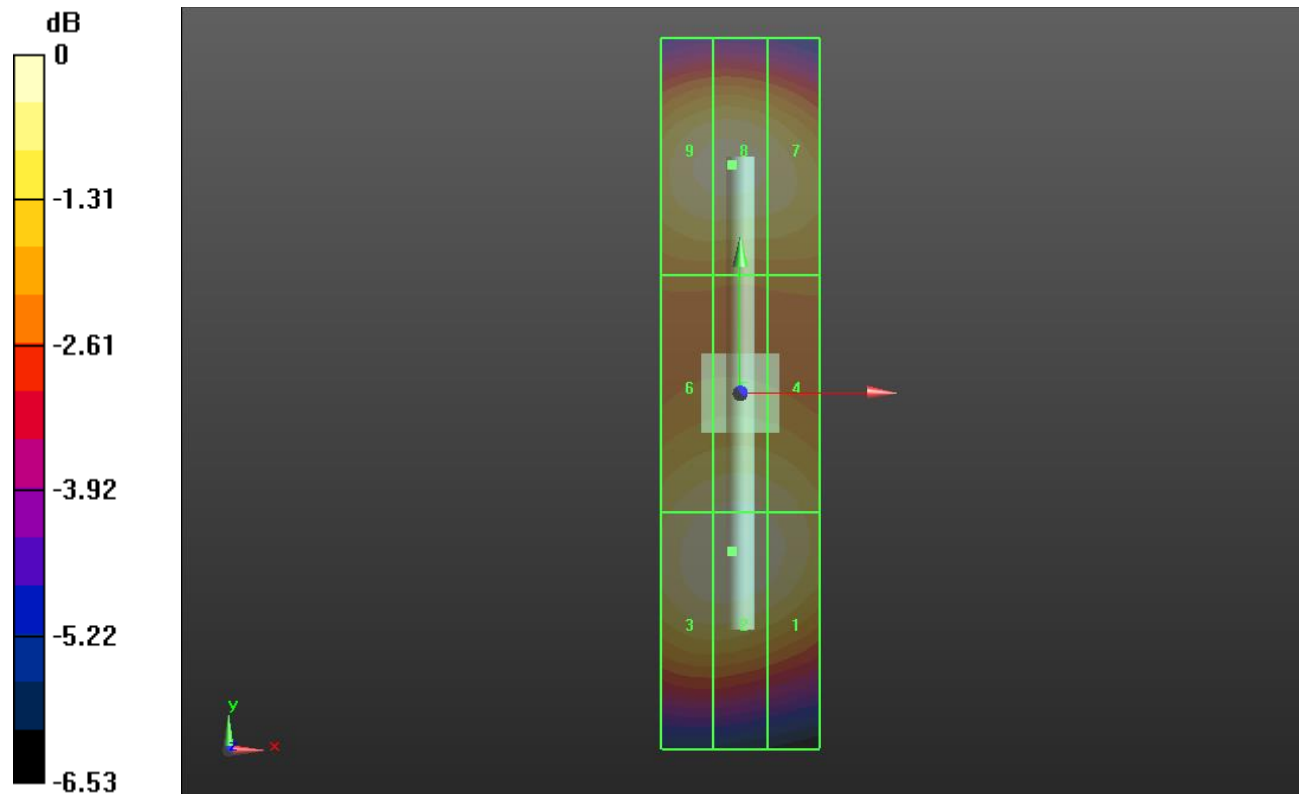
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 94.05 V/m

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

PMF scaled E-field

Grid 1 M3 91.88 V/m	Grid 2 M3 94.05 V/m	Grid 3 M3 93.43 V/m
Grid 4 M3 89.48 V/m	Grid 5 M3 91.05 V/m	Grid 6 M3 90.13 V/m
Grid 7 M3 89.35 V/m	Grid 8 M3 92.00 V/m	Grid 9 M3 91.48 V/m



0 dB = 94.05 V/m = 39.47 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 = 25.18 V/m; Power Drift = 0.00 dB

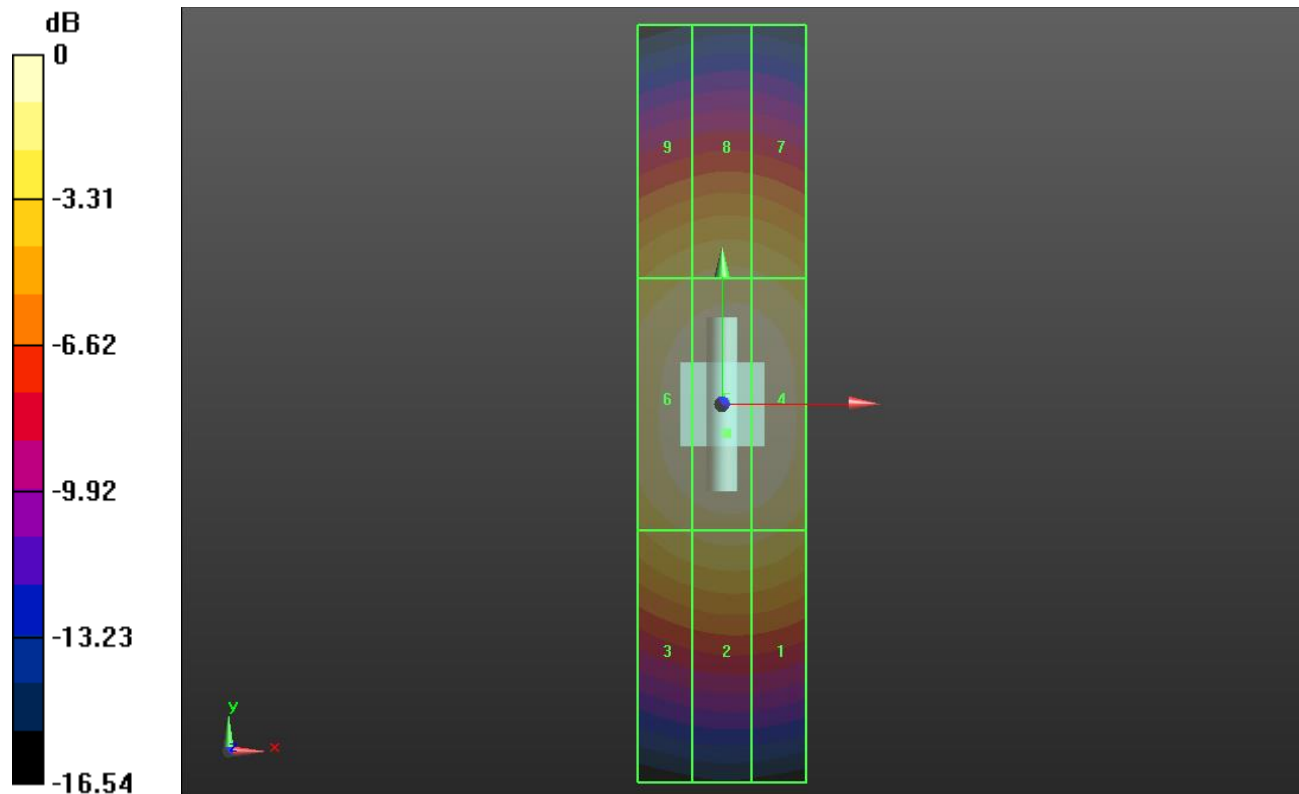
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 98.22 V/m

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

PMF scaled E-field

Grid 1 M3 80.54 V/m	Grid 2 M3 81.58 V/m	Grid 3 M3 78.23 V/m
Grid 4 M3 96.90 V/m	Grid 5 M3 98.22 V/m	Grid 6 M3 94.48 V/m
Grid 7 M3 78.94 V/m	Grid 8 M3 79.93 V/m	Grid 9 M3 76.89 V/m



0 dB = 98.22 V/m = 39.84 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 = 28.20 V/m; Power Drift = 0.02 dB

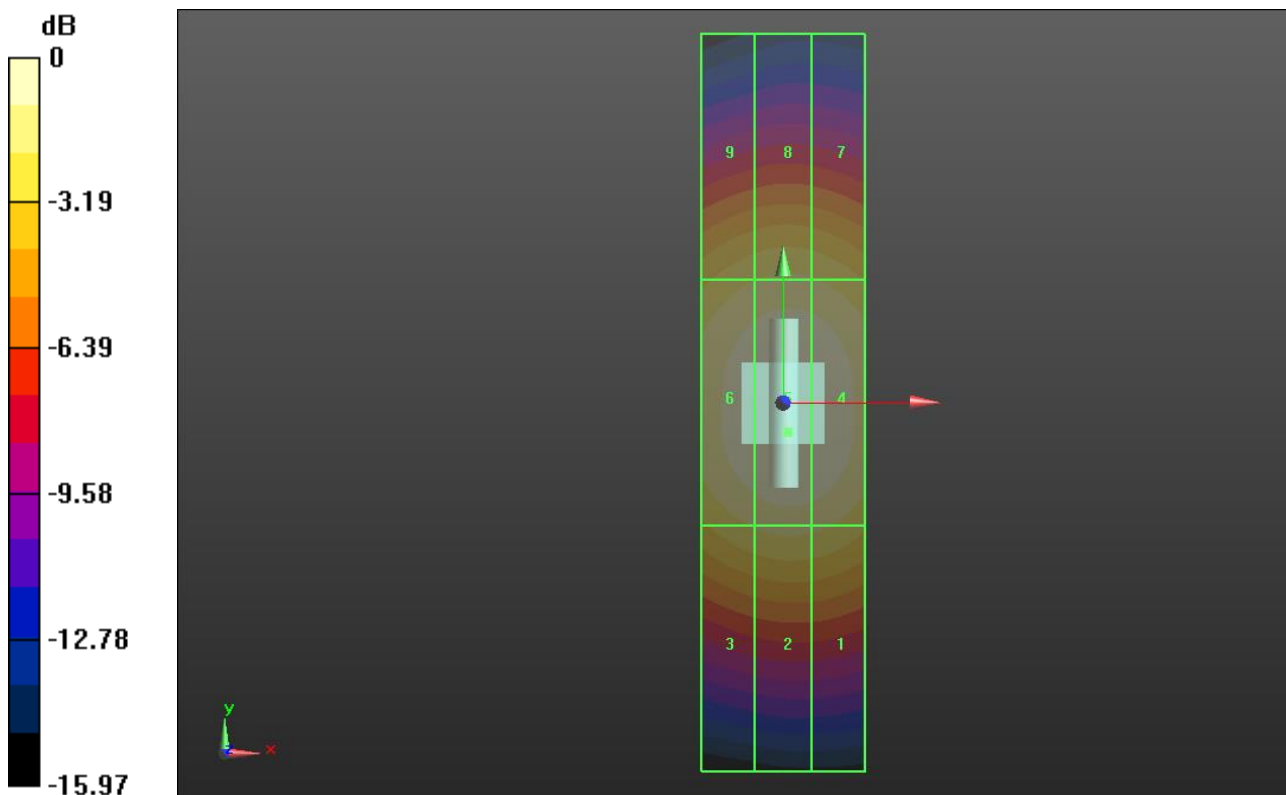
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 103.5 V/m

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

PMF scaled E-field

Grid 1 M3 83.91 V/m	Grid 2 M3 84.89 V/m	Grid 3 M3 81.77 V/m
Grid 4 M3 101.8 V/m	Grid 5 M3 103.5 V/m	Grid 6 M3 99.82 V/m
Grid 7 M3 81.94 V/m	Grid 8 M3 83.36 V/m	Grid 9 M3 80.61 V/m



0 dB = 103.5 V/m = 40.30 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 = 26.83 V/m; Power Drift = -0.00 dB

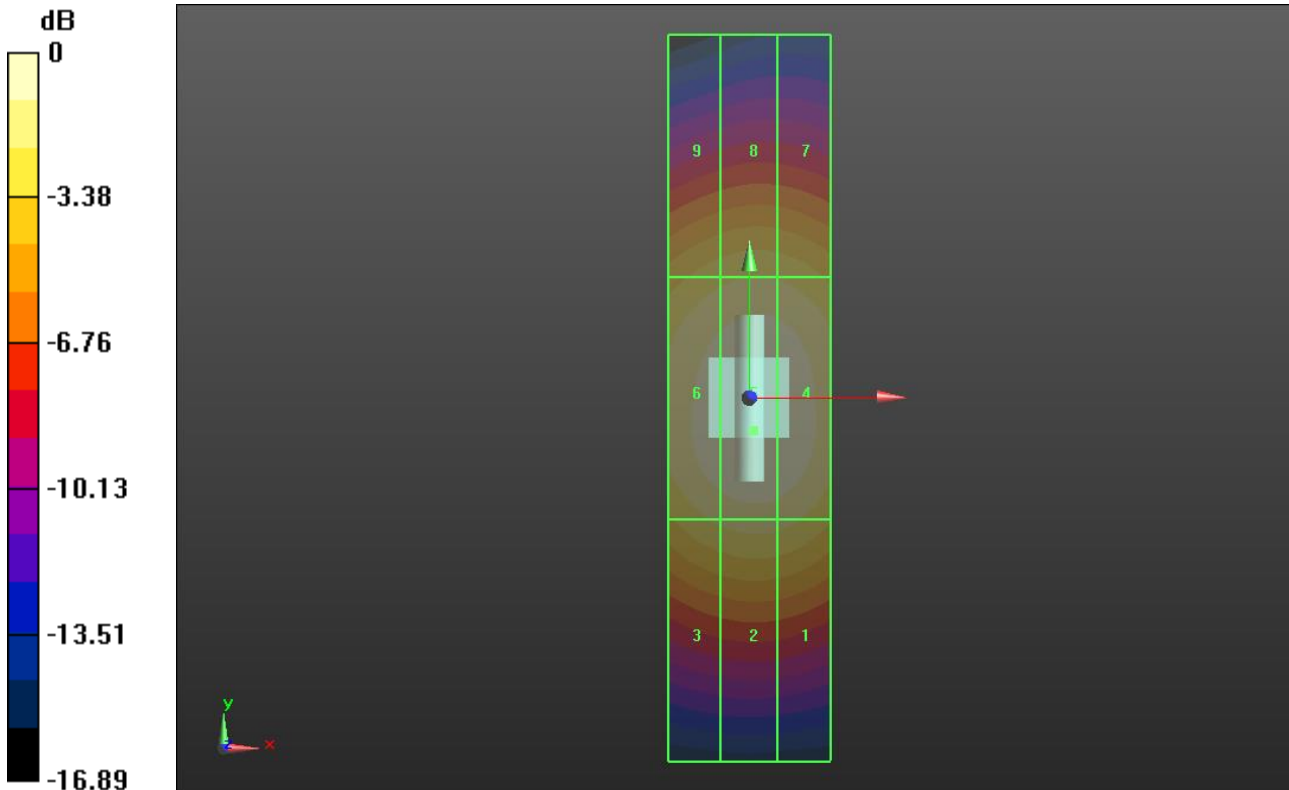
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 105.5 V/m

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

PMF scaled E-field

Grid 1 M3 85.93 V/m	Grid 2 M3 87.13 V/m	Grid 3 M3 83.95 V/m
Grid 4 M3 103.7 V/m	Grid 5 M3 105.5 V/m	Grid 6 M3 101.4 V/m
Grid 7 M3 80.48 V/m	Grid 8 M3 81.55 V/m	Grid 9 M3 78.29 V/m



0 dB = 105.5 V/m = 40.47 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

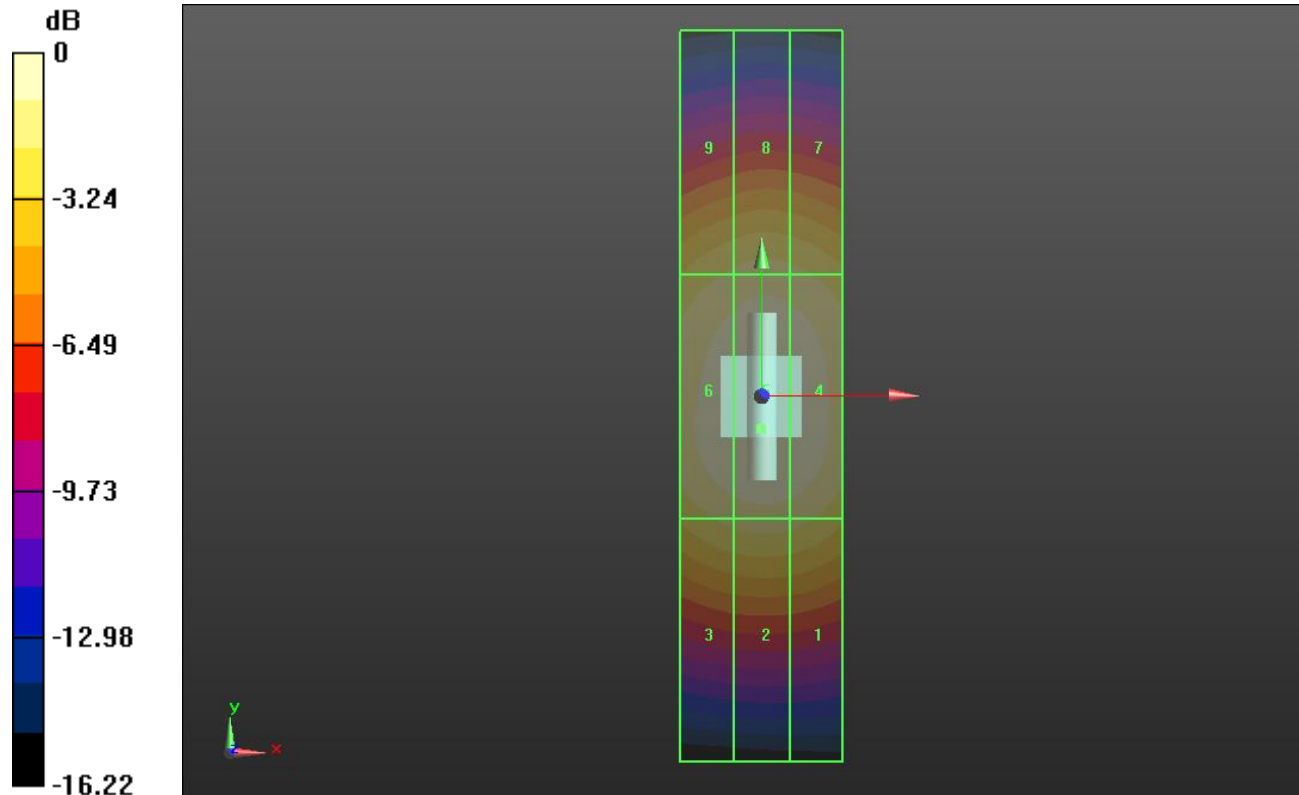
PMR not calibrated. PMF = 1.000 is applied.

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