

## 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: 3/16/2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### 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 = 148.0 V/m; Power Drift = -0.02 dB

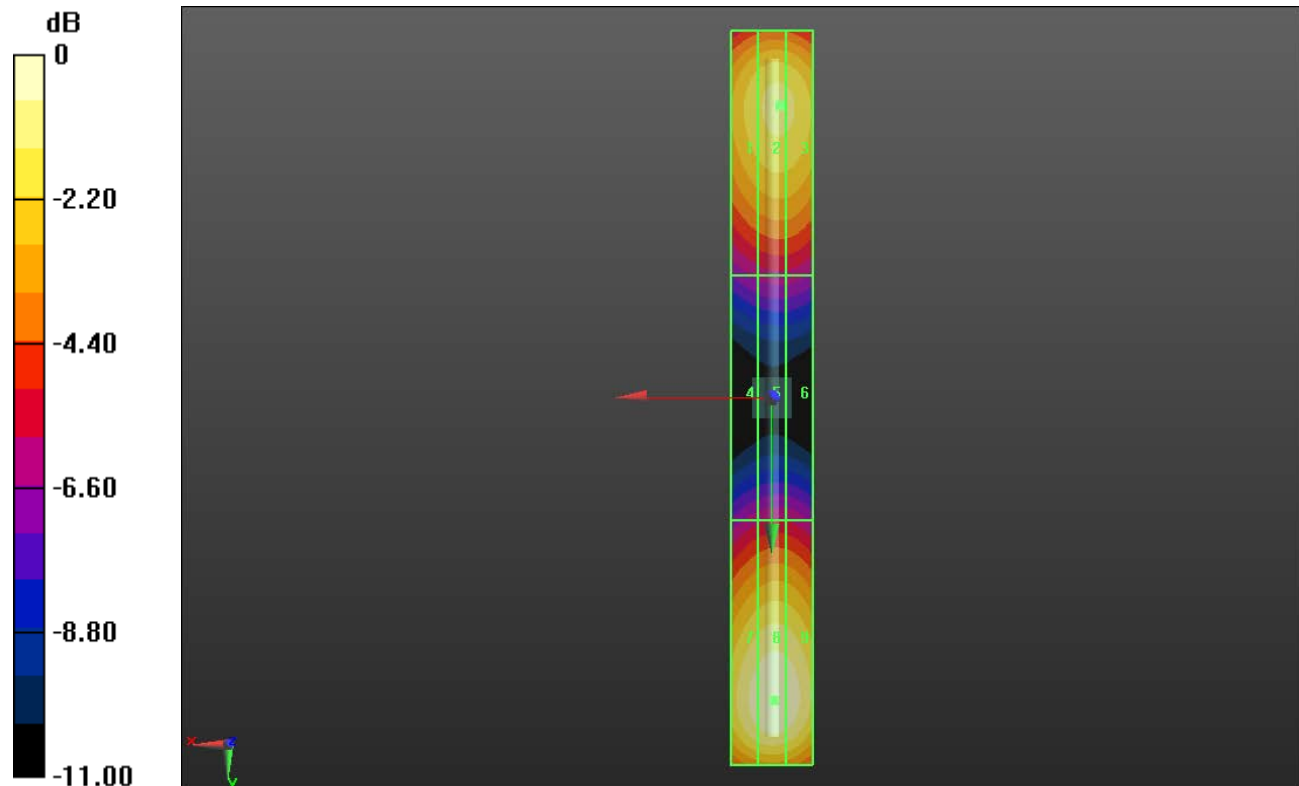
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 136.7 V/m

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

PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M4</b><br><b>113.8 V/m</b> | Grid 2 <b>M4</b><br><b>118.7 V/m</b> | Grid 3 <b>M4</b><br><b>118.1 V/m</b> |
| Grid 4 <b>M4</b><br><b>68.05 V/m</b> | Grid 5 <b>M4</b><br><b>70.14 V/m</b> | Grid 6 <b>M4</b><br><b>69.72 V/m</b> |
| Grid 7 <b>M4</b><br><b>131.5 V/m</b> | Grid 8 <b>M4</b><br><b>136.7 V/m</b> | Grid 9 <b>M4</b><br><b>134.4 V/m</b> |



0 dB = 136.7 V/m = 42.72 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: 3/16/2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### 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 = 159.1 V/m; Power Drift = 0.02 dB

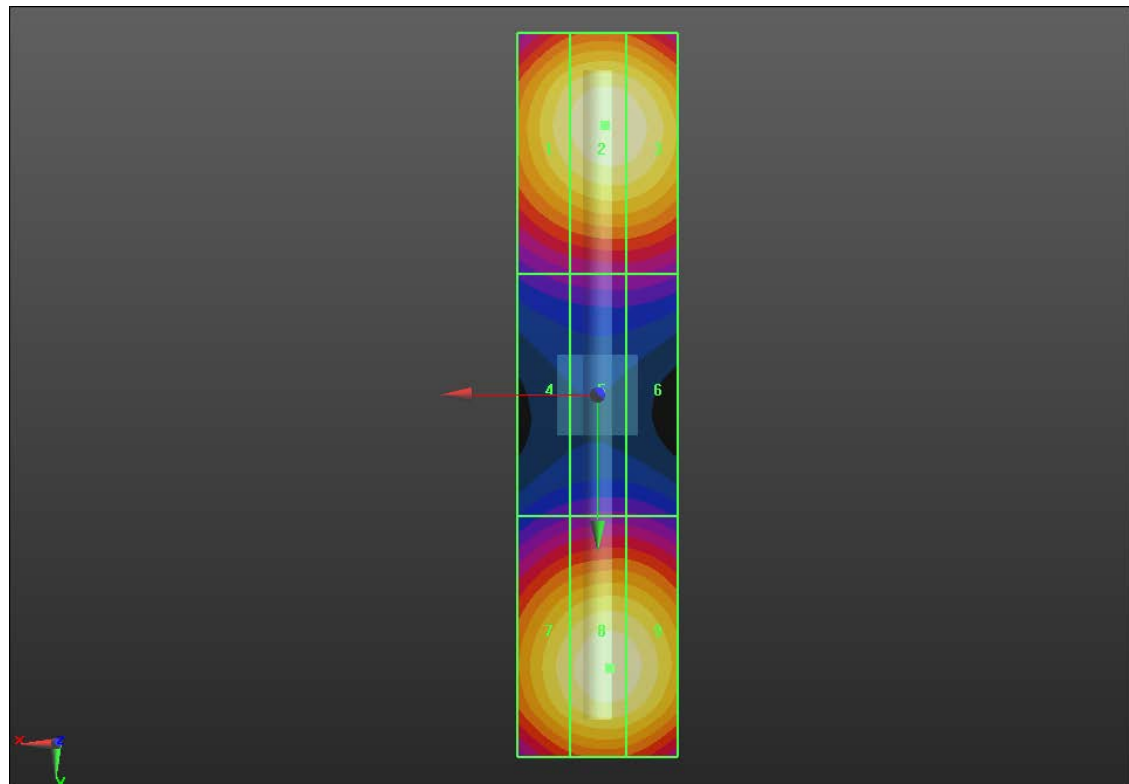
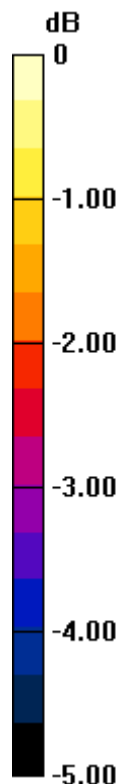
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 97.43 V/m

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

PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>93.79 V/m</b> | Grid 2 <b>M3</b><br><b>97.43 V/m</b> | Grid 3 <b>M3</b><br><b>96.80 V/m</b> |
| Grid 4 <b>M3</b><br><b>68.19 V/m</b> | Grid 5 <b>M3</b><br><b>69.38 V/m</b> | Grid 6 <b>M3</b><br><b>69.38 V/m</b> |
| Grid 7 <b>M3</b><br><b>93.08 V/m</b> | Grid 8 <b>M3</b><br><b>96.54 V/m</b> | Grid 9 <b>M3</b><br><b>96.05 V/m</b> |



0 dB = 97.43 V/m = 39.77 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: 3/16/2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

### 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 = 78.32 V/m; Power Drift = -0.01 dB

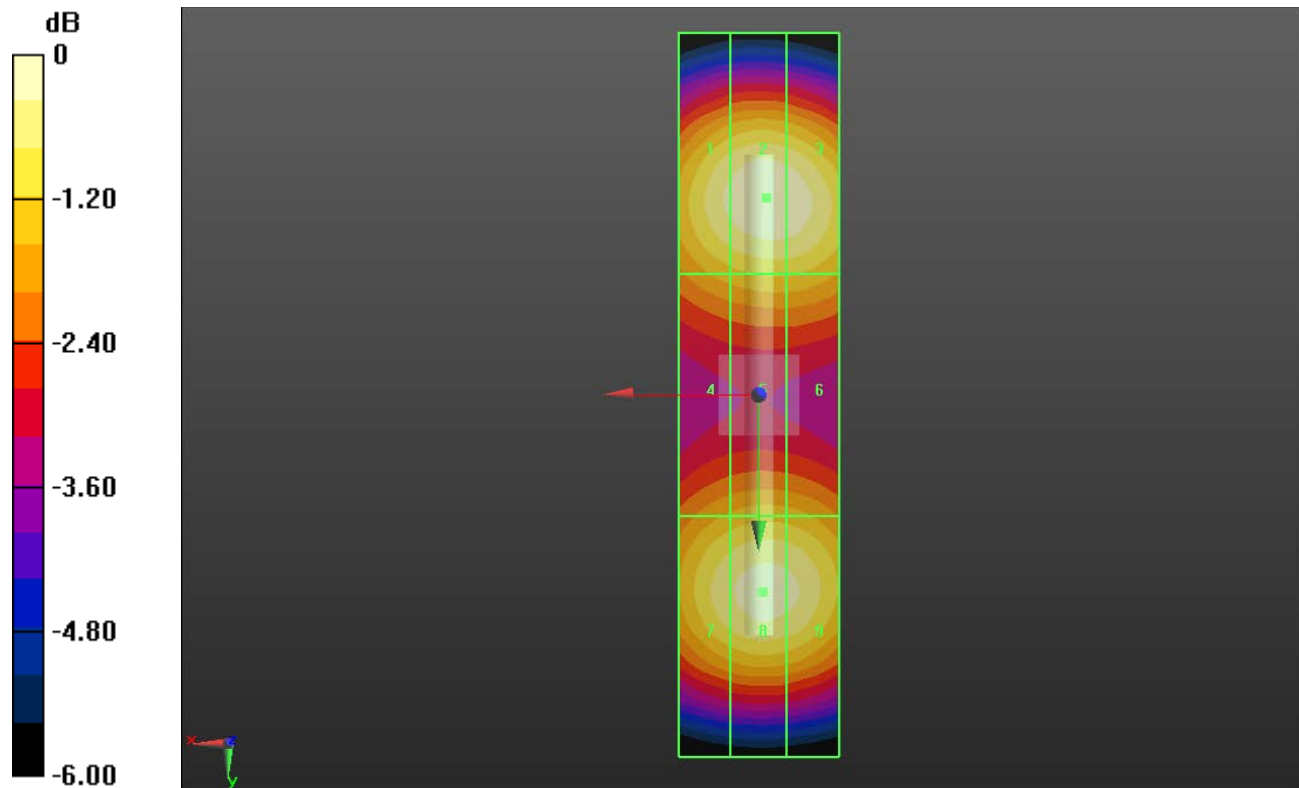
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 90.86 V/m

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

PMF scaled E-field

|                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>87.93 V/m</b> | Grid 2 <b>M3</b><br><b>90.86 V/m</b> | Grid 3 <b>M3</b><br><b>90.10 V/m</b> |
| Grid 4 <b>M3</b><br><b>77.62 V/m</b> | Grid 5 <b>M3</b><br><b>79.66 V/m</b> | Grid 6 <b>M3</b><br><b>79.58 V/m</b> |
| Grid 7 <b>M3</b><br><b>86.34 V/m</b> | Grid 8 <b>M3</b><br><b>88.96 V/m</b> | Grid 9 <b>M3</b><br><b>88.10 V/m</b> |



0 dB = 90.86 V/m = 39.17 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: 3/16/2018
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 5/3/2018
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

### 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 = 71.38 V/m; Power Drift = -0.02 dB

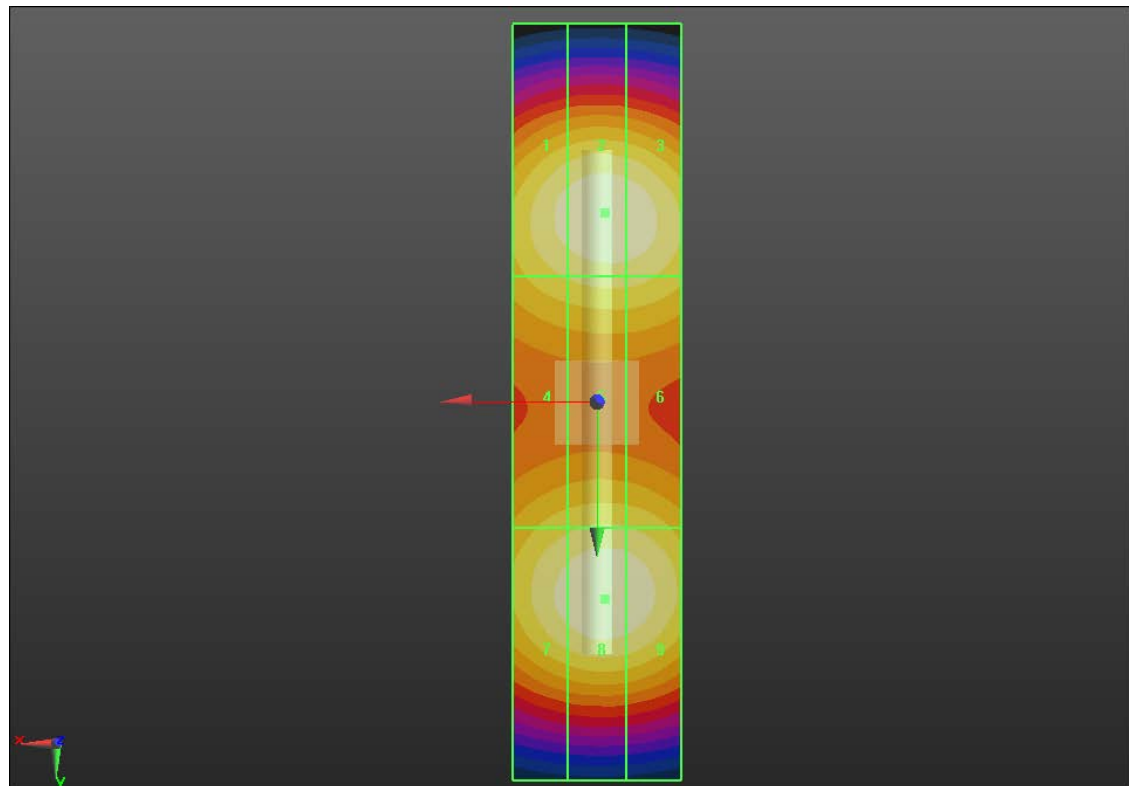
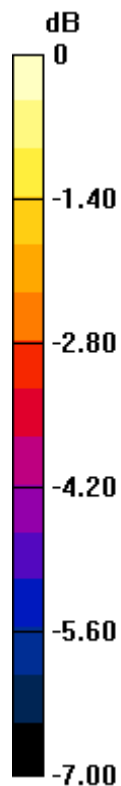
PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 93.36 V/m

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

PMF scaled E-field

|                                      |                                             |                                      |
|--------------------------------------|---------------------------------------------|--------------------------------------|
| Grid 1 <b>M3</b><br><b>90.49 V/m</b> | Grid 2 <b>M3</b><br><b>93.16 V/m</b>        | Grid 3 <b>M3</b><br><b>92.41 V/m</b> |
| Grid 4 <b>M3</b><br><b>84.35 V/m</b> | <b>Grid 5 <b>M3</b></b><br><b>86.18 V/m</b> | Grid 6 <b>M3</b><br><b>85.98 V/m</b> |
| Grid 7 <b>M3</b><br><b>90.59 V/m</b> | Grid 8 <b>M3</b><br><b>93.36 V/m</b>        | Grid 9 <b>M3</b><br><b>92.47 V/m</b> |



0 dB = 93.36 V/m = 39.40 dBV/m