

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 5/22/2018
- 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)

LTE Band 41 E-Field measurement/16QAM_RB 1/50_ch 39750/Hearing Aid Compatibility Test (101x101x1):

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.405 V/m; Power Drift = -0.04 dB

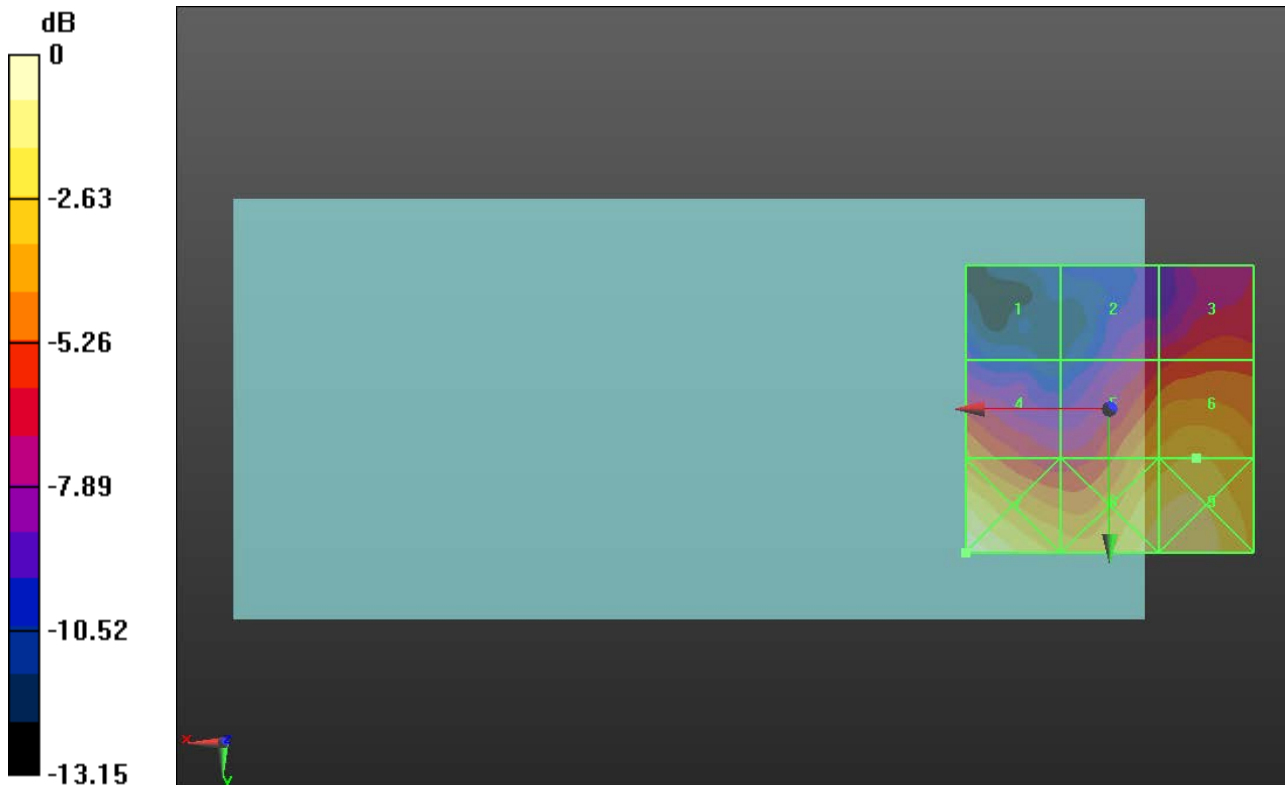
Applied MIF = -1.44 dB

RF audio interference level = 13.79 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 7.34 dBV/m	Grid 2 M4 9.7 dBV/m	Grid 3 M4 10.77 dBV/m
Grid 4 M4 12.35 dBV/m	Grid 5 M4 13.13 dBV/m	Grid 6 M4 13.79 dBV/m
Grid 7 M4 16.29 dBV/m	Grid 8 M4 15.04 dBV/m	Grid 9 M4 15.23 dBV/m



0 dB = 6.522 V/m = 16.29 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 5/22/2018

- 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)

LTE Band 41 E-Field measurement/16QAM_RB 1/50_ch 40185/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.356 V/m; Power Drift = -0.15 dB

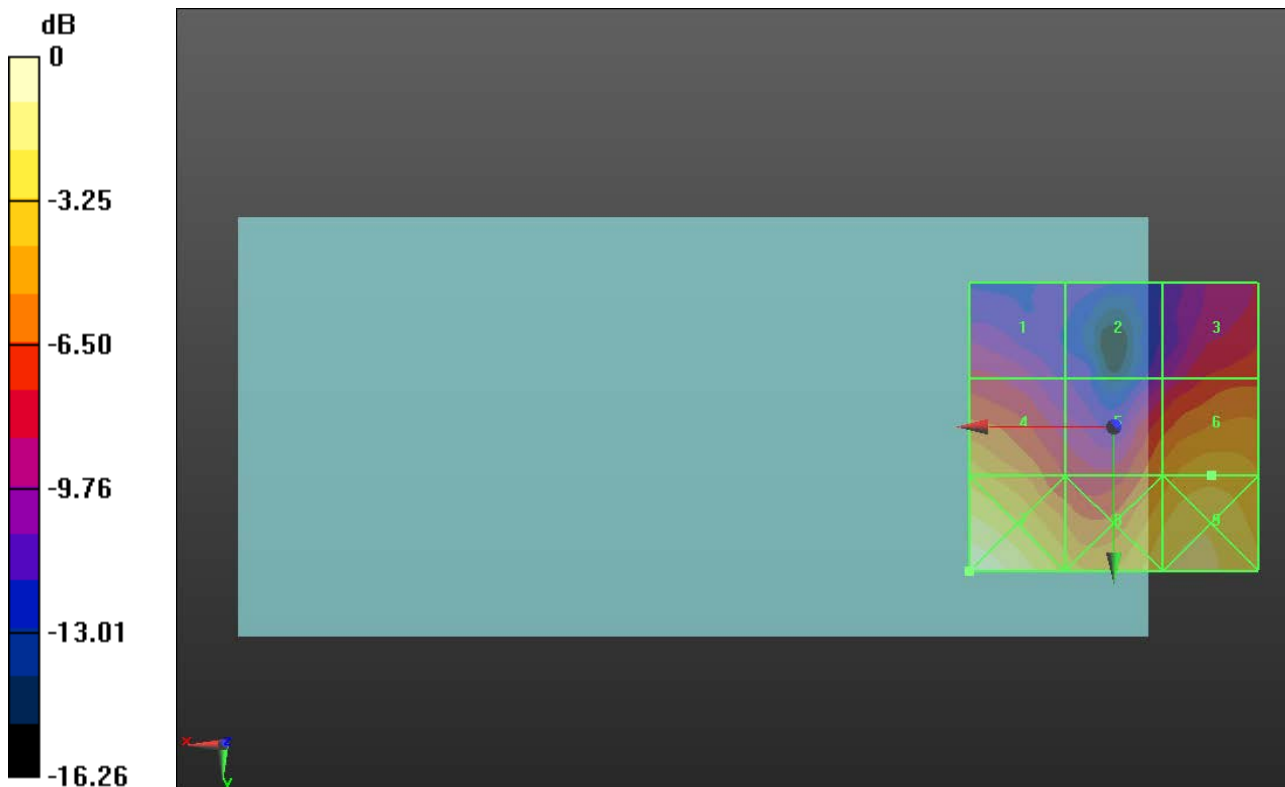
Applied MIF = -1.44 dB

RF audio interference level = 14.31 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 M4 9.6 dBV/m	Grid 2 M4 7.72 dBV/m	Grid 3 M4 11.05 dBV/m
Grid 4 M4 14.19 dBV/m	Grid 5 M4 12.88 dBV/m	Grid 6 M4 14.31 dBV/m
Grid 7 M4 17.86 dBV/m	Grid 8 M4 15.59 dBV/m	Grid 9 M4 16.12 dBV/m



0 dB = 7.817 V/m = 17.86 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 5/22/2018
- 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)

LTE Band 41 E-Field measurement/16QAM_RB 1/50_ch 40620/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.477 V/m; Power Drift = -0.40 dB

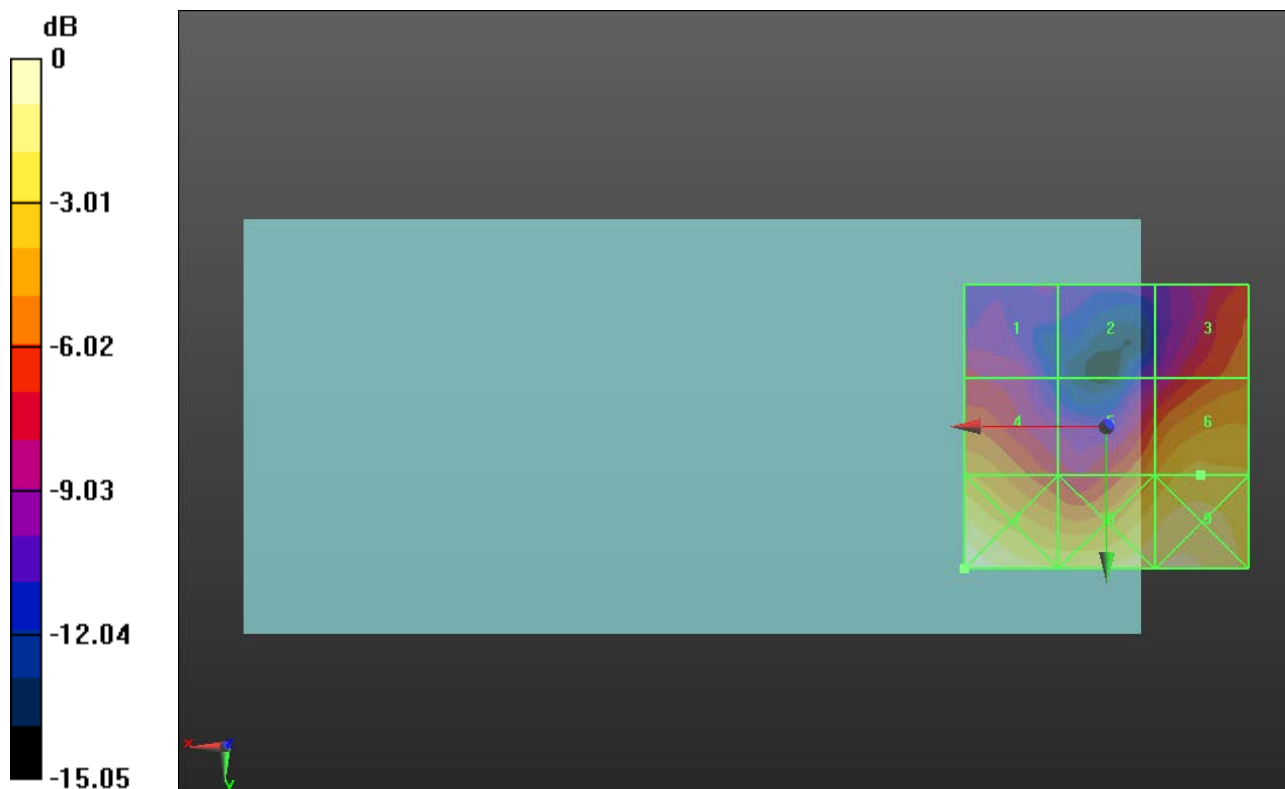
Applied MIF = -1.44 dB

RF audio interference level = 14.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 9.72 dBV/m	Grid 2 M4 7.91 dBV/m	Grid 3 M4 12.35 dBV/m
Grid 4 M4 13.54 dBV/m	Grid 5 M4 13.31 dBV/m	Grid 6 M4 14.75 dBV/m
Grid 7 M4 17.36 dBV/m	Grid 8 M4 16.38 dBV/m	Grid 9 M4 16.6 dBV/m



0 dB = 7.377 V/m = 17.36 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 5/22/2018
- 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)

LTE Band 41 E-Field measurement/16QAM_RB 1/50_ch 41055/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.441 V/m; Power Drift = -0.22 dB

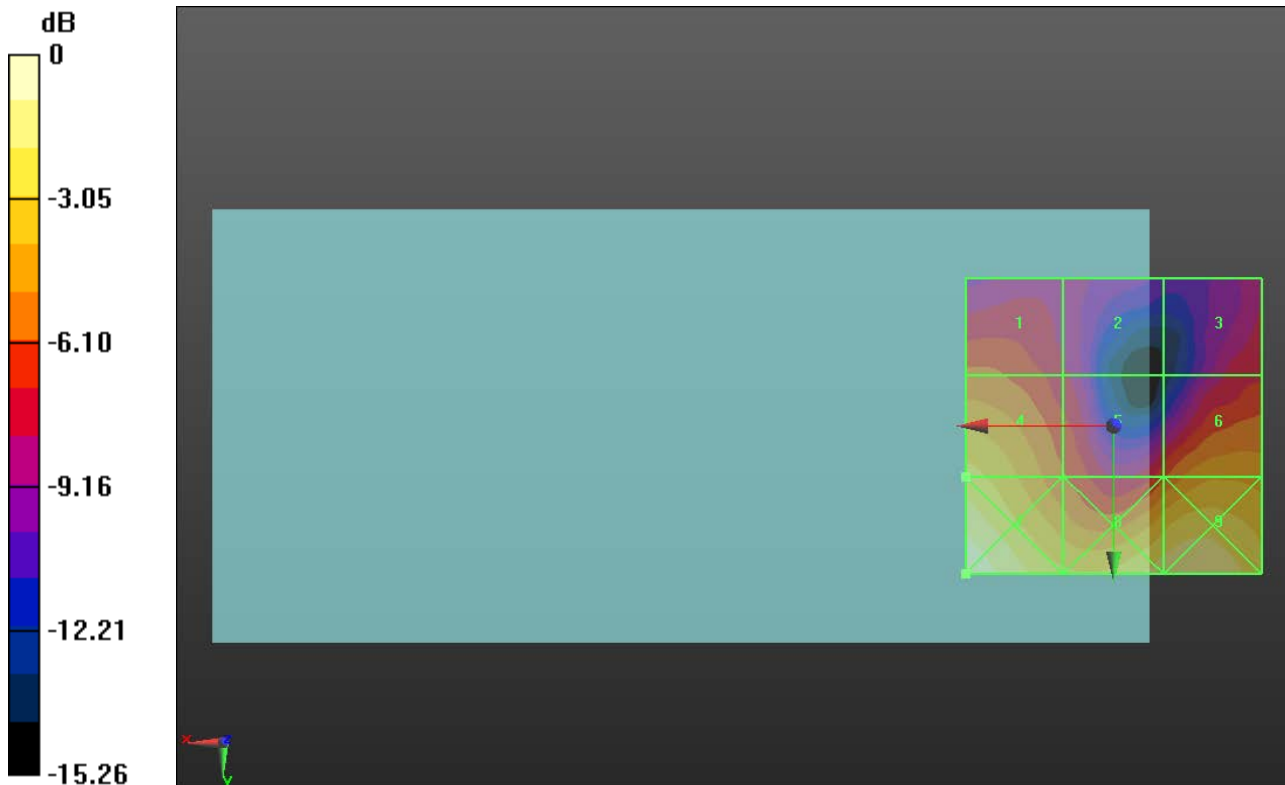
Applied MIF = -1.44 dB

RF audio interference level = 15.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.56 dBV/m	Grid 2 M4 10.49 dBV/m	Grid 3 M4 11.02 dBV/m
Grid 4 M4 15.73 dBV/m	Grid 5 M4 12.4 dBV/m	Grid 6 M4 14.16 dBV/m
Grid 7 M4 18.35 dBV/m	Grid 8 M4 17.11 dBV/m	Grid 9 M4 17.41 dBV/m



0 dB = 8.269 V/m = 18.35 dBV/m

HAC-RF Emission

Communication System: UID 10173 - CAC, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 5/22/2018
- 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)

LTE Band 41 E-Field measurement/16QAM_RB 1/50_ch 41490/Hearing Aid

Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.235 V/m; Power Drift = 0.11 dB

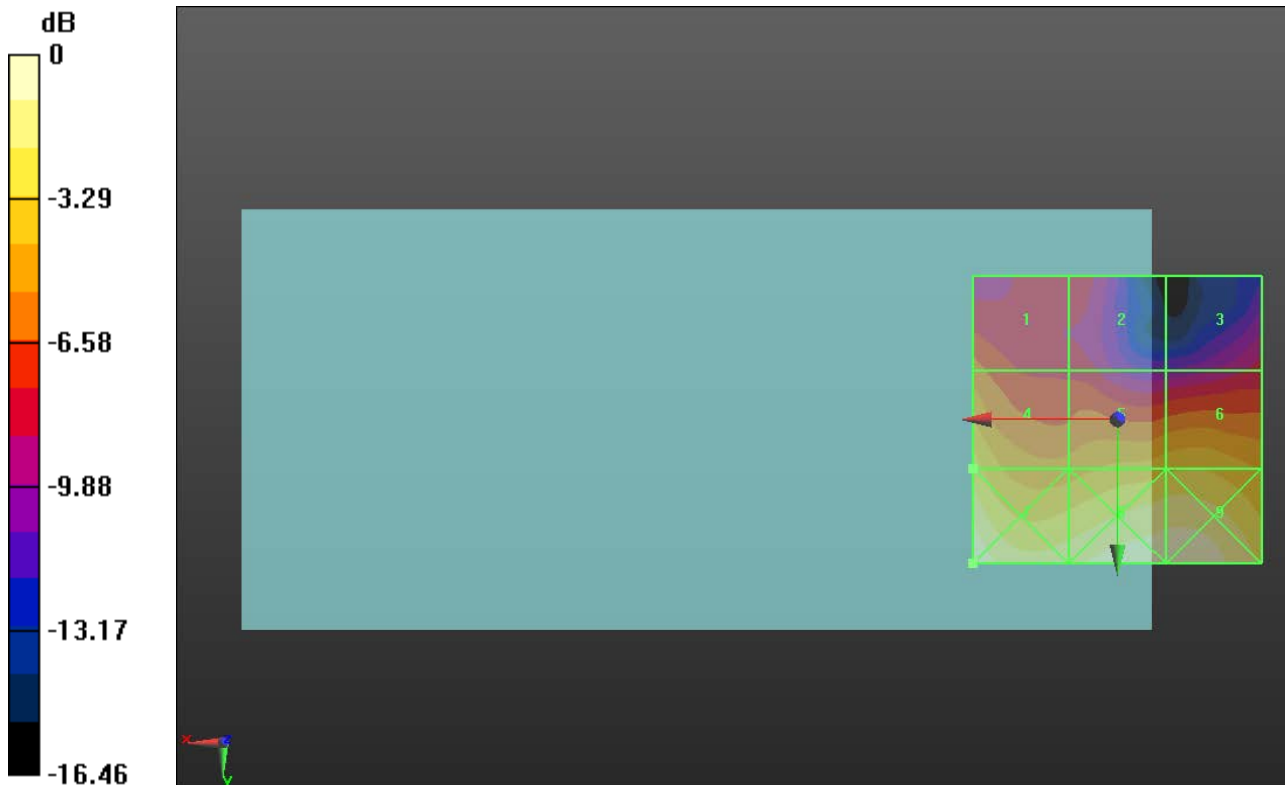
Applied MIF = -1.44 dB

RF audio interference level = 15.46 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 12.14 dBV/m	Grid 2 M4 10.25 dBV/m	Grid 3 M4 9.98 dBV/m
Grid 4 M4 15.46 dBV/m	Grid 5 M4 14.62 dBV/m	Grid 6 M4 14.87 dBV/m
Grid 7 M4 18.16 dBV/m	Grid 8 M4 18.1 dBV/m	Grid 9 M4 18.11 dBV/m



0 dB = 8.091 V/m = 18.16 dBV/m

