HAC-RF Emission ANT 1

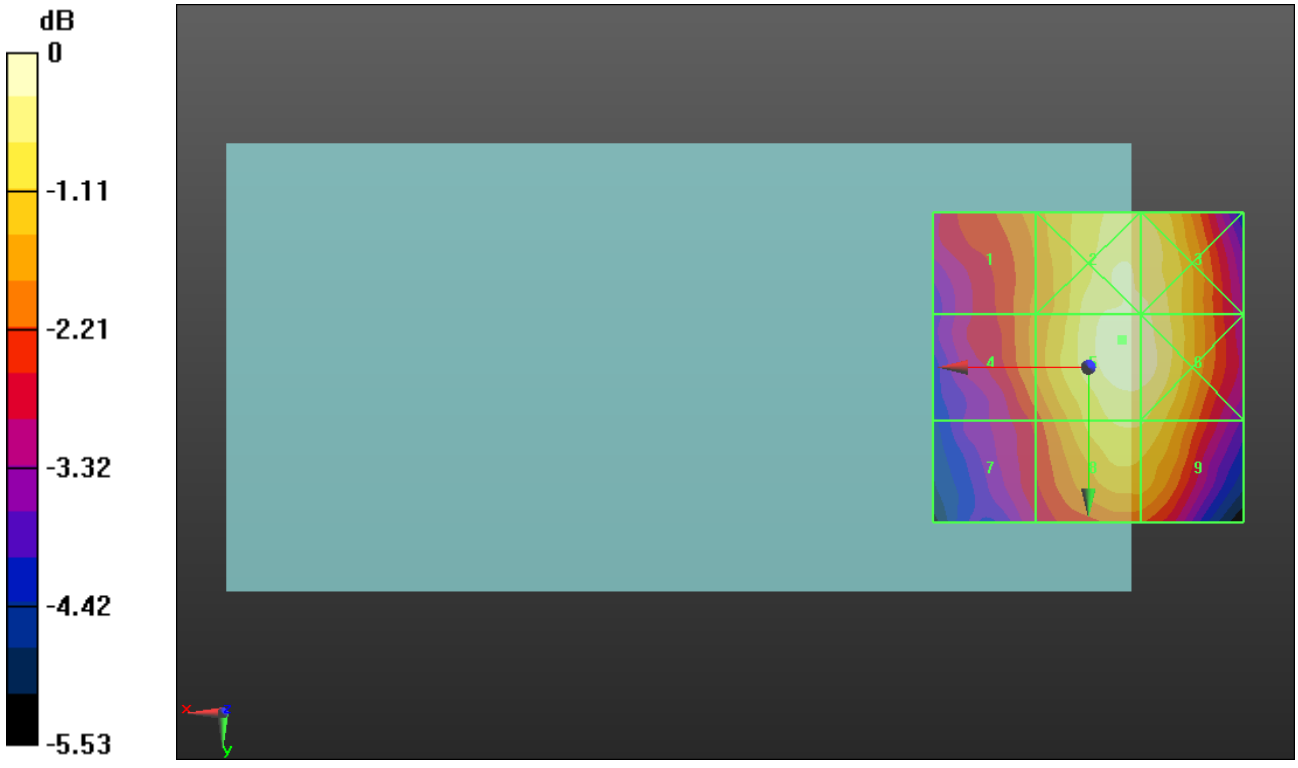
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM850 E-Field measurement/Voice_ch 128/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 = 15.17 V/m; Power Drift = 0.02 dB
Applied MIF = 3.63 dB
RF audio interference level = 25.66 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.05 dBV/m**	Grid 2 **M4** **25.42 dBV/m**	Grid 3 **M4** **25.4 dBV/m**
Grid 4 **M4** **23.98 dBV/m**	Grid 5 **M4** **25.66 dBV/m**	Grid 6 **M4** **25.56 dBV/m**
Grid 7 **M4** **23.27 dBV/m**	Grid 8 **M4** **25.01 dBV/m**	Grid 9 **M4** **24.98 dBV/m**



0 dB = 19.20 V/m = 25.67 dBV/m

HAC-RF Emission ANT 1

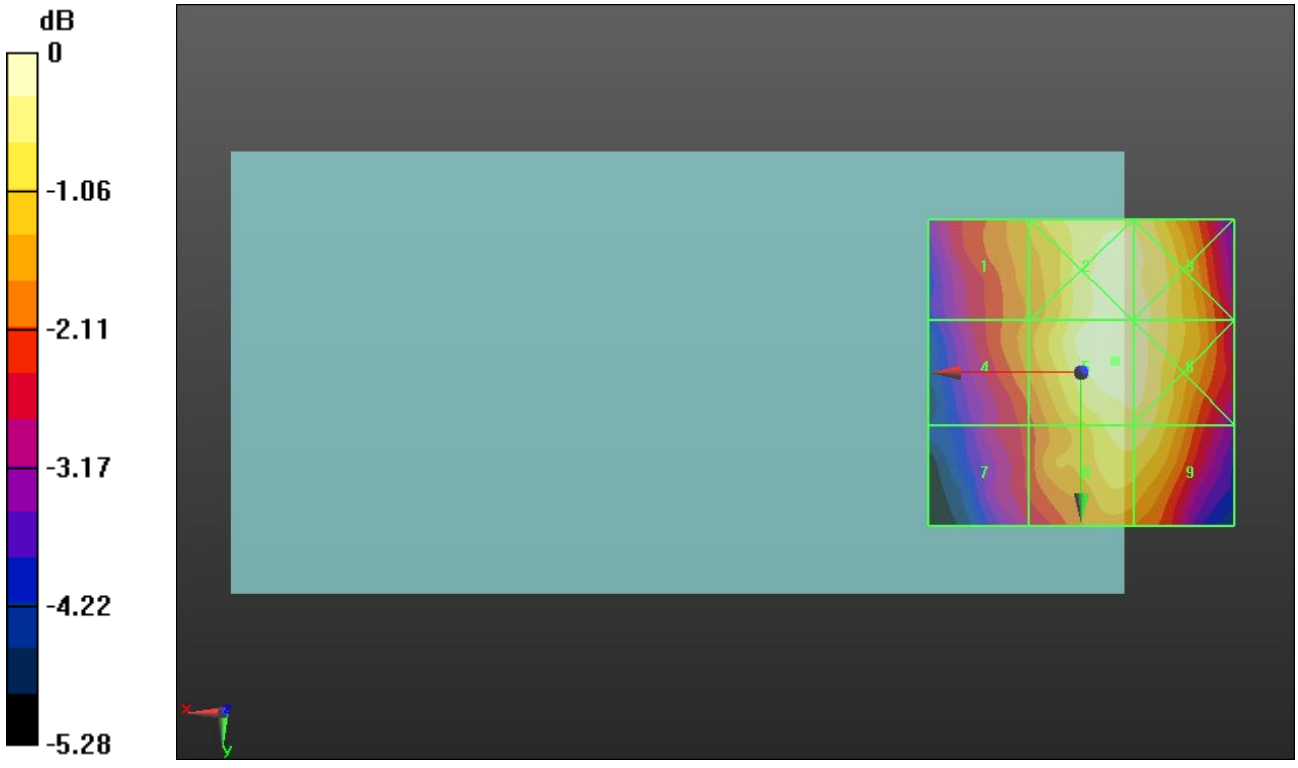
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM850 E-Field measurement/Voice_ch 190/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 = 15.30 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 25.78 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.45 dBV/m**	Grid 2 **M4** **25.6 dBV/m**	Grid 3 **M4** **25.6 dBV/m**
Grid 4 **M4** **24.28 dBV/m**	Grid 5 **M4** **25.78 dBV/m**	Grid 6 **M4** **25.64 dBV/m**
Grid 7 **M4** **23.57 dBV/m**	Grid 8 **M4** **25.31 dBV/m**	Grid 9 **M4** **25.31 dBV/m**



0 dB = 19.45 V/m = 25.78 dBV/m

HAC-RF Emission ANT 1

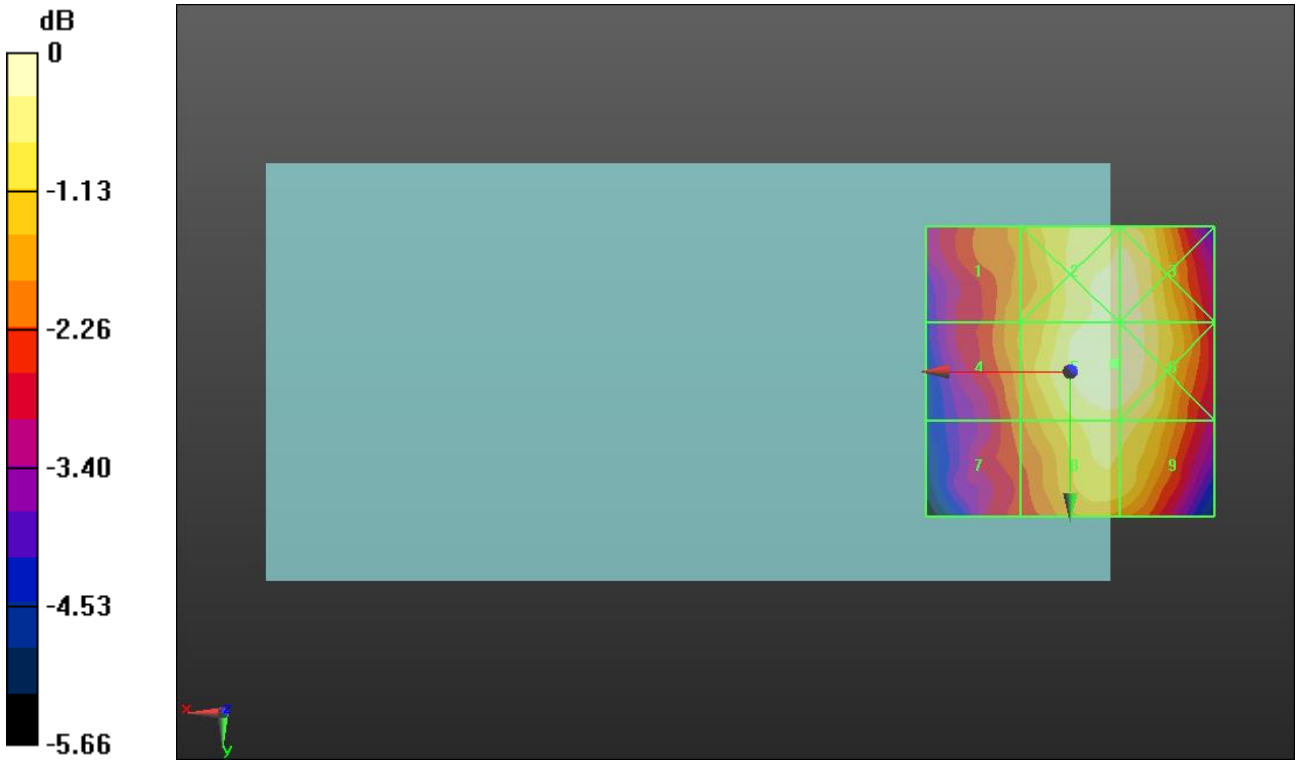
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM850 E-Field measurement/Voice_ch 251/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 = 15.44 V/m; Power Drift = -0.12 dB
Applied MIF = 3.63 dB
RF audio interference level = 25.64 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.16 dBV/m**	Grid 2 **M4** **25.53 dBV/m**	Grid 3 **M4** **25.53 dBV/m**
Grid 4 **M4** **24.21 dBV/m**	Grid 5 **M4** **25.64 dBV/m**	Grid 6 **M4** **25.63 dBV/m**
Grid 7 **M4** **23.69 dBV/m**	Grid 8 **M4** **25.15 dBV/m**	Grid 9 **M4** **25.13 dBV/m**



0 dB = 19.15 V/m = 25.64 dBV/m

HAC-RF Emission ANT 1

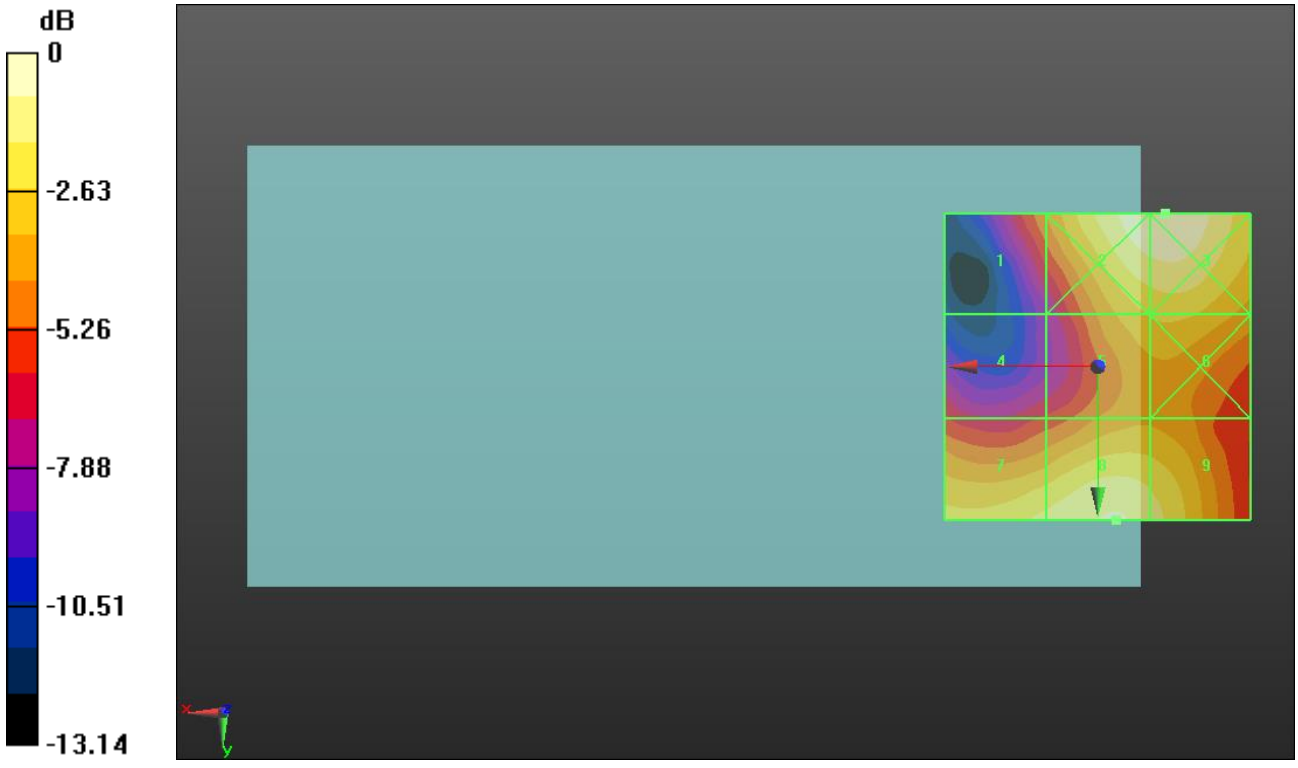
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM1900 E-Field measurement/Voice_ch 512/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 = 13.26 V/m; Power Drift = 0.07 dB
Applied MIF = 3.63 dB
RF audio interference level = 28.87 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.35 dBV/m**	Grid 2 **M4** **29.57 dBV/m**	Grid 3 **M4** **29.66 dBV/m**
Grid 4 **M4** **23.78 dBV/m**	Grid 5 **M4** **27.11 dBV/m**	Grid 6 **M4** **27.28 dBV/m**
Grid 7 **M4** **28.14 dBV/m**	Grid 8 **M4** **28.87 dBV/m**	Grid 9 **M4** **28.36 dBV/m**



0 dB = 30.40 V/m = 29.66 dBV/m

HAC-RF Emission ANT 1

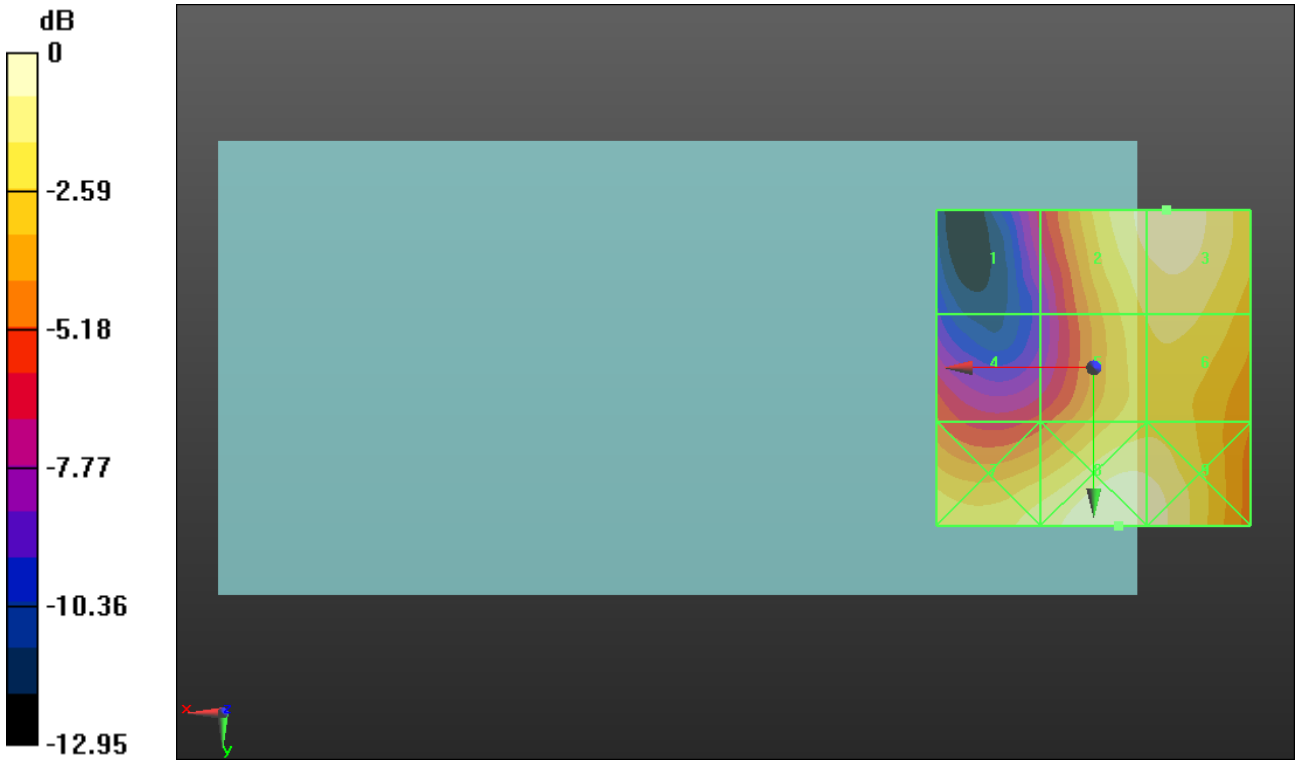
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM1900 E-Field measurement/Voice_ch 661/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 = 16.44 V/m; Power Drift = -0.14 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.76 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.62 dBV/m**	Grid 2 **M4** **29.55 dBV/m**	Grid 3 **M4** **29.76 dBV/m**
Grid 4 **M4** **25.09 dBV/m**	Grid 5 **M4** **28.43 dBV/m**	Grid 6 **M4** **28.69 dBV/m**
Grid 7 **M4** **28.82 dBV/m**	Grid 8 **M3** **30.05 dBV/m**	Grid 9 **M4** **29.74 dBV/m**



0 dB = 31.82 V/m = 30.05 dBV/m

HAC-RF Emission ANT 1

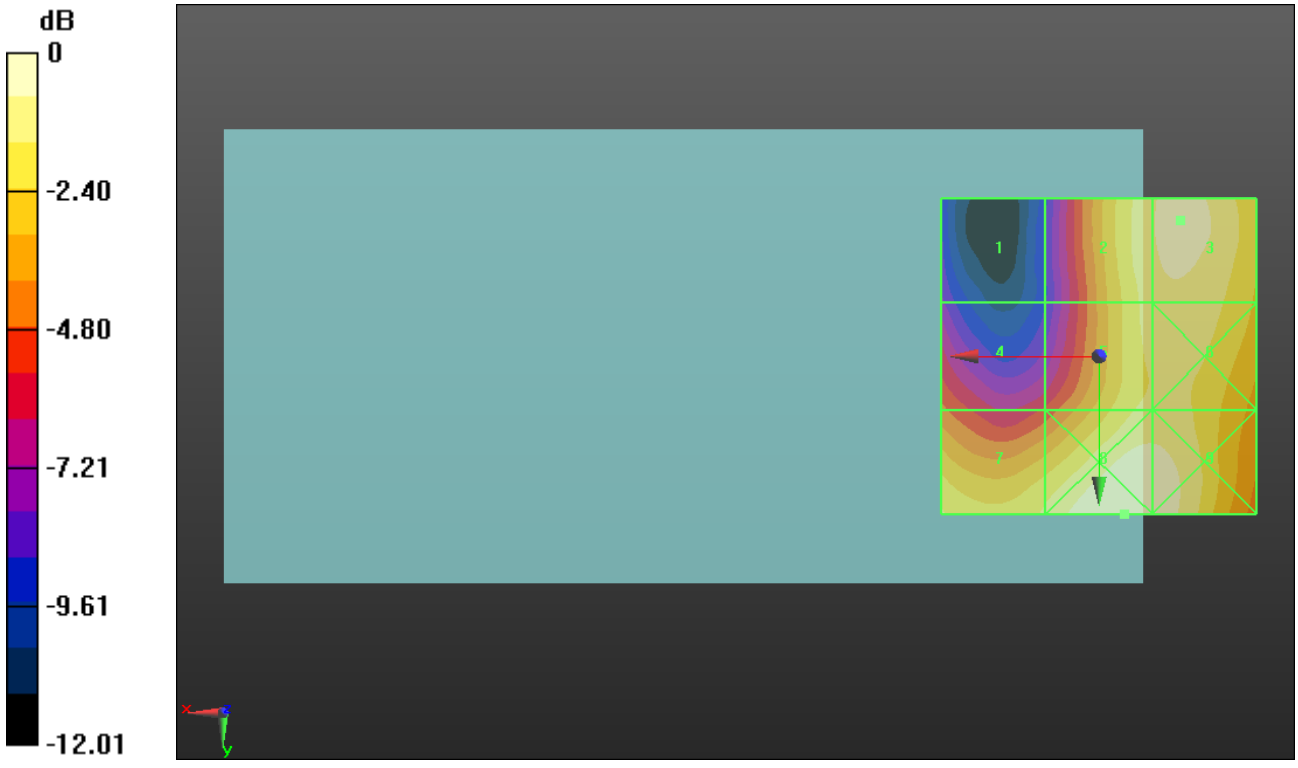
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM1900 E-Field measurement/Voice_ch 810/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 = 17.95 V/m; Power Drift = 0.05 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.04 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **22.81 dBV/m**	Grid 2 **M4** **29.67 dBV/m**	Grid 3 **M3** **30.04 dBV/m**
Grid 4 **M4** **25.99 dBV/m**	Grid 5 **M4** **29.31 dBV/m**	Grid 6 **M4** **29.59 dBV/m**
Grid 7 **M4** **29.09 dBV/m**	Grid 8 **M3** **30.52 dBV/m**	Grid 9 **M3** **30.35 dBV/m**



0 dB = 33.58 V/m = 30.52 dBV/m

HAC-RF Emission ANT 1

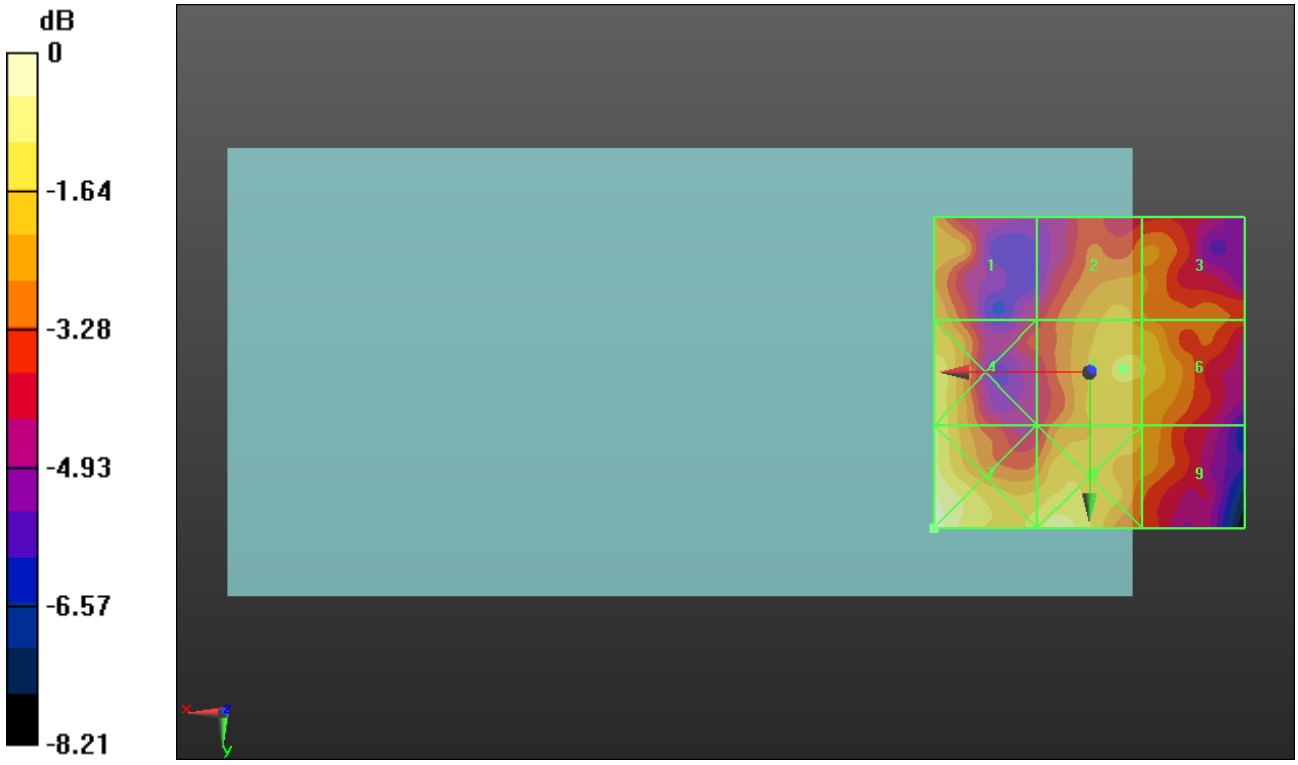
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 6.777 V/m; Power Drift = -0.88 dB
Applied MIF = -1.44 dB
RF audio interference level = 13.16 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **12.58 dBV/m**	Grid 2 **M4** **12.7 dBV/m**	Grid 3 **M4** **12.2 dBV/m**
Grid 4 **M4** **13.67 dBV/m**	Grid 5 **M4** **13.16 dBV/m**	Grid 6 **M4** **13.1 dBV/m**
Grid 7 **M4** **14.7 dBV/m**	Grid 8 **M4** **14 dBV/m**	Grid 9 **M4** **12.55 dBV/m**



0 dB = 5.431 V/m = 14.70 dBV/m

HAC-RF Emission ANT 1

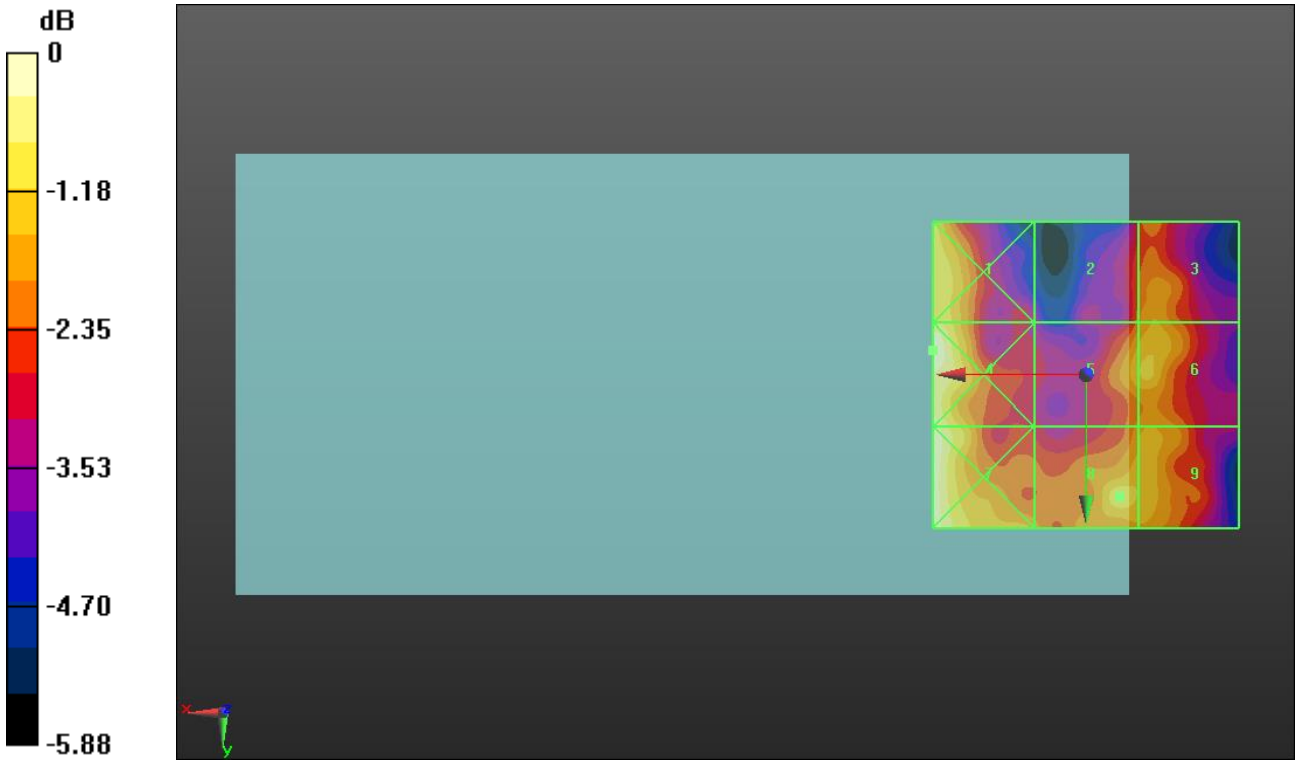
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 6.311 V/m; Power Drift = -0.25 dB
Applied MIF = -1.44 dB
RF audio interference level = 13.82 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **13.99 dBV/m**	Grid 2 **M4** **12.65 dBV/m**	Grid 3 **M4** **13.22 dBV/m**
Grid 4 **M4** **14.75 dBV/m**	Grid 5 **M4** **13.54 dBV/m**	Grid 6 **M4** **13.69 dBV/m**
Grid 7 **M4** **14.74 dBV/m**	Grid 8 **M4** **13.82 dBV/m**	Grid 9 **M4** **13.57 dBV/m**



0 dB = 5.467 V/m = 14.75 dBV/m

HAC-RF Emission ANT 1

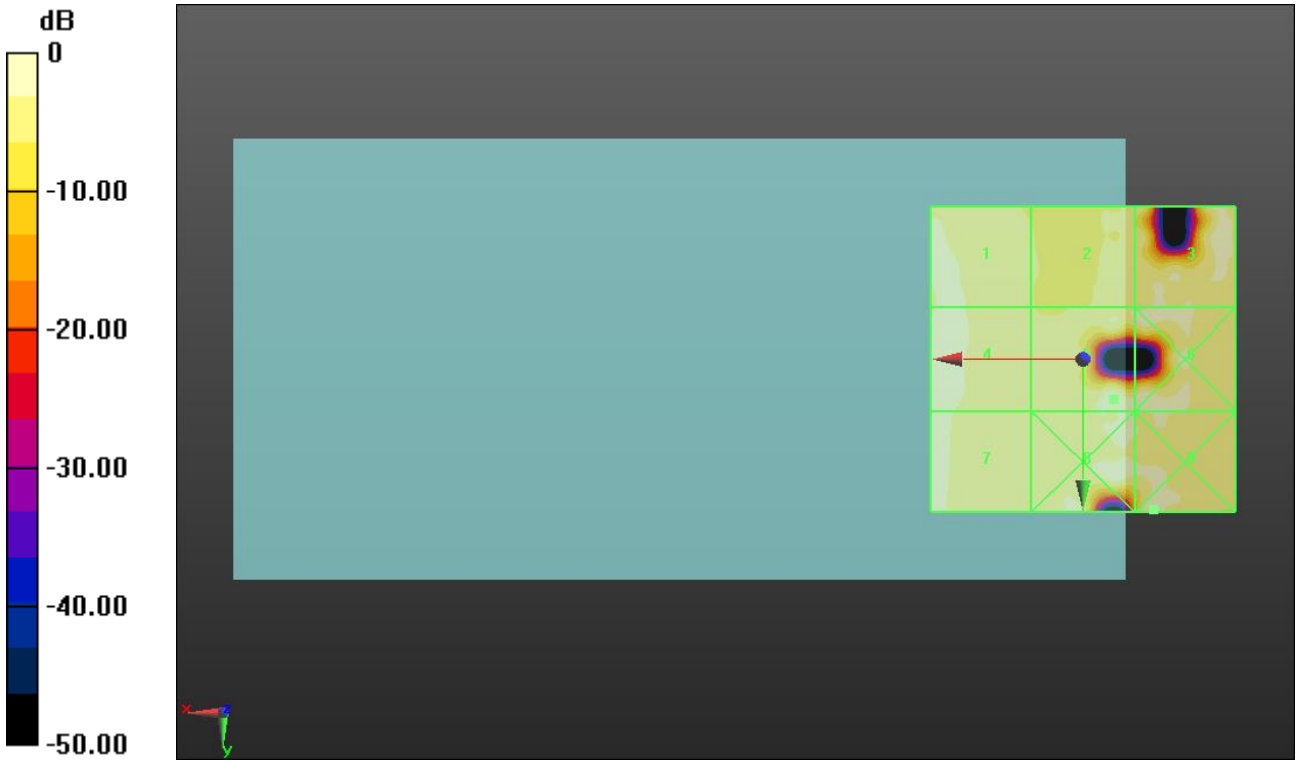
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 5.824 V/m; Power Drift = 0.89 dB
Applied MIF = -1.44 dB
RF audio interference level = 17.26 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **14.99 dBV/m**	Grid 2 **M4** **16.15 dBV/m**	Grid 3 **M4** **17.03 dBV/m**
Grid 4 **M4** **15.06 dBV/m**	Grid 5 **M4** **17.26 dBV/m**	Grid 6 **M4** **16.94 dBV/m**
Grid 7 **M4** **15.41 dBV/m**	Grid 8 **M4** **17.32 dBV/m**	Grid 9 **M4** **17.96 dBV/m**



0 dB = 7.909 V/m = 17.96 dBV/m

HAC-RF Emission ANT 1

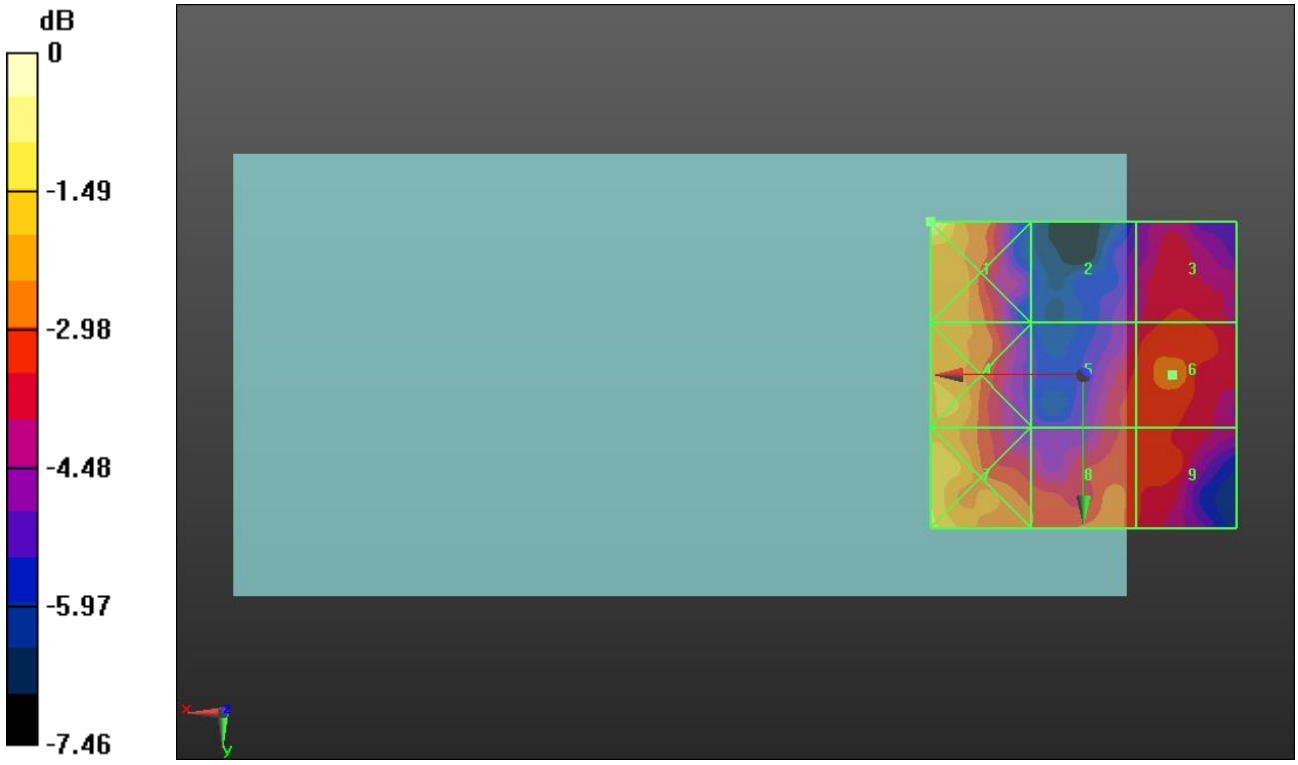
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 5.944 V/m; Power Drift = -0.80 dB
Applied MIF = -1.44 dB
RF audio interference level = 14.67 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **17.3 dBV/m**	Grid 2 **M4** **13.2 dBV/m**	Grid 3 **M4** **13.97 dBV/m**
Grid 4 **M4** **15.39 dBV/m**	Grid 5 **M4** **14.03 dBV/m**	Grid 6 **M4** **14.67 dBV/m**
Grid 7 **M4** **16.07 dBV/m**	Grid 8 **M4** **14.63 dBV/m**	Grid 9 **M4** **14.28 dBV/m**



0 dB = 7.327 V/m = 17.30 dBV/m

HAC-RF Emission ANT 1

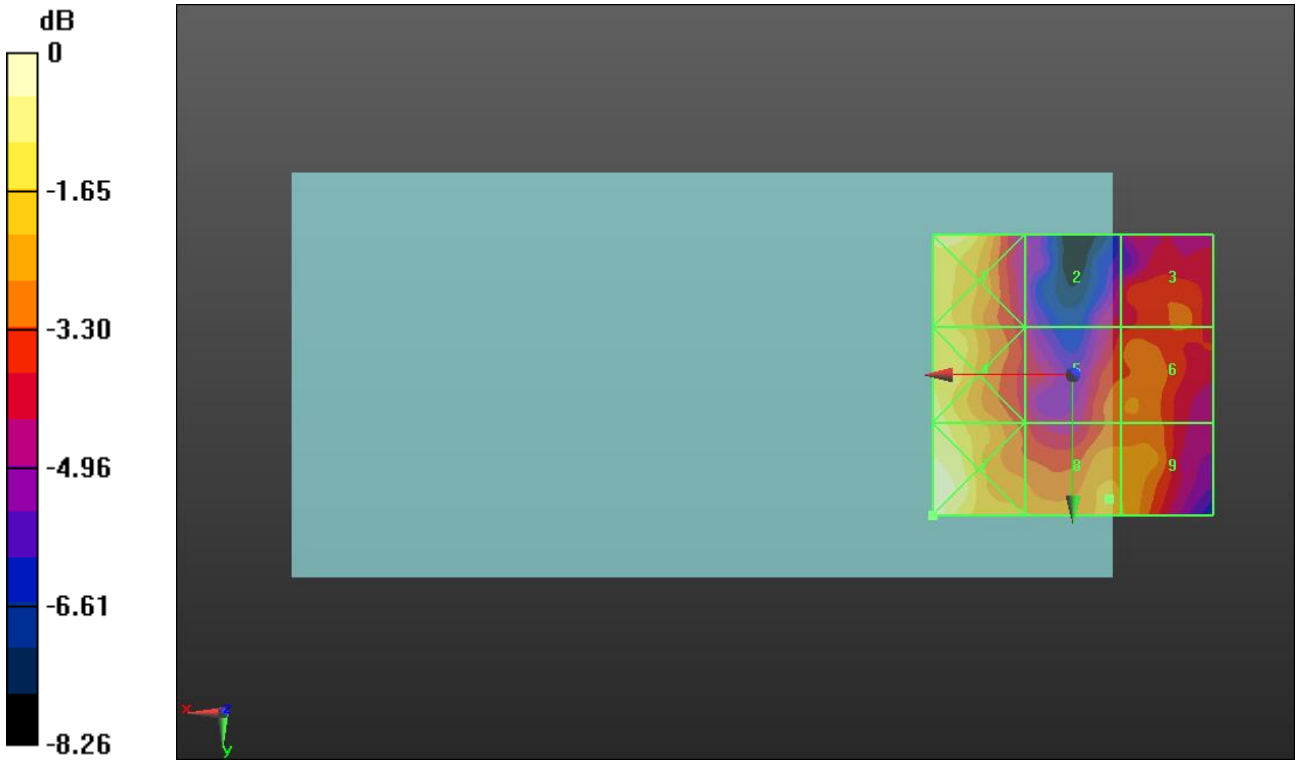
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 5.725 V/m; Power Drift = 0.11 dB
Applied MIF = -1.44 dB
RF audio interference level = 13.77 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **15.22 dBV/m**	Grid 2 **M4** **11.78 dBV/m**	Grid 3 **M4** **12.89 dBV/m**
Grid 4 **M4** **15.21 dBV/m**	Grid 5 **M4** **13.06 dBV/m**	Grid 6 **M4** **13.19 dBV/m**
Grid 7 **M4** **15.87 dBV/m**	Grid 8 **M4** **13.77 dBV/m**	Grid 9 **M4** **13.73 dBV/m**



0 dB = 6.215 V/m = 15.87 dBV/m

HAC-RF Emission ANT 1

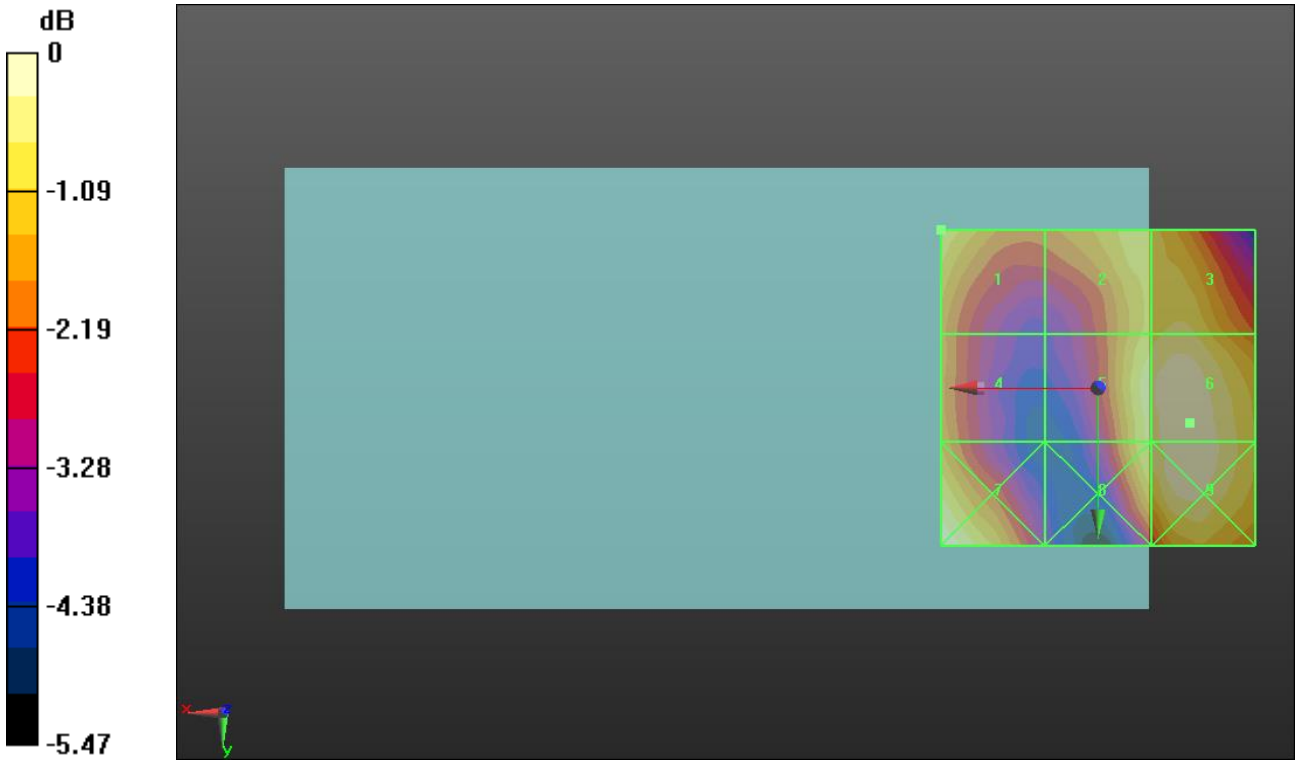
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 13.67 V/m; Power Drift = -0.10 dB
Applied MIF = -1.44 dB
RF audio interference level = 23.36 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **22.74 dBV/m**	Grid 2 **M4** **22.55 dBV/m**	Grid 3 **M4** **22.82 dBV/m**
Grid 4 **M4** **21.95 dBV/m**	Grid 5 **M4** **22.99 dBV/m**	Grid 6 **M4** **23.36 dBV/m**
Grid 7 **M4** **23.42 dBV/m**	Grid 8 **M4** **22.83 dBV/m**	Grid 9 **M4** **23.39 dBV/m**



0 dB = 14.82 V/m = 23.42 dBV/m

HAC-RF Emission ANT 1

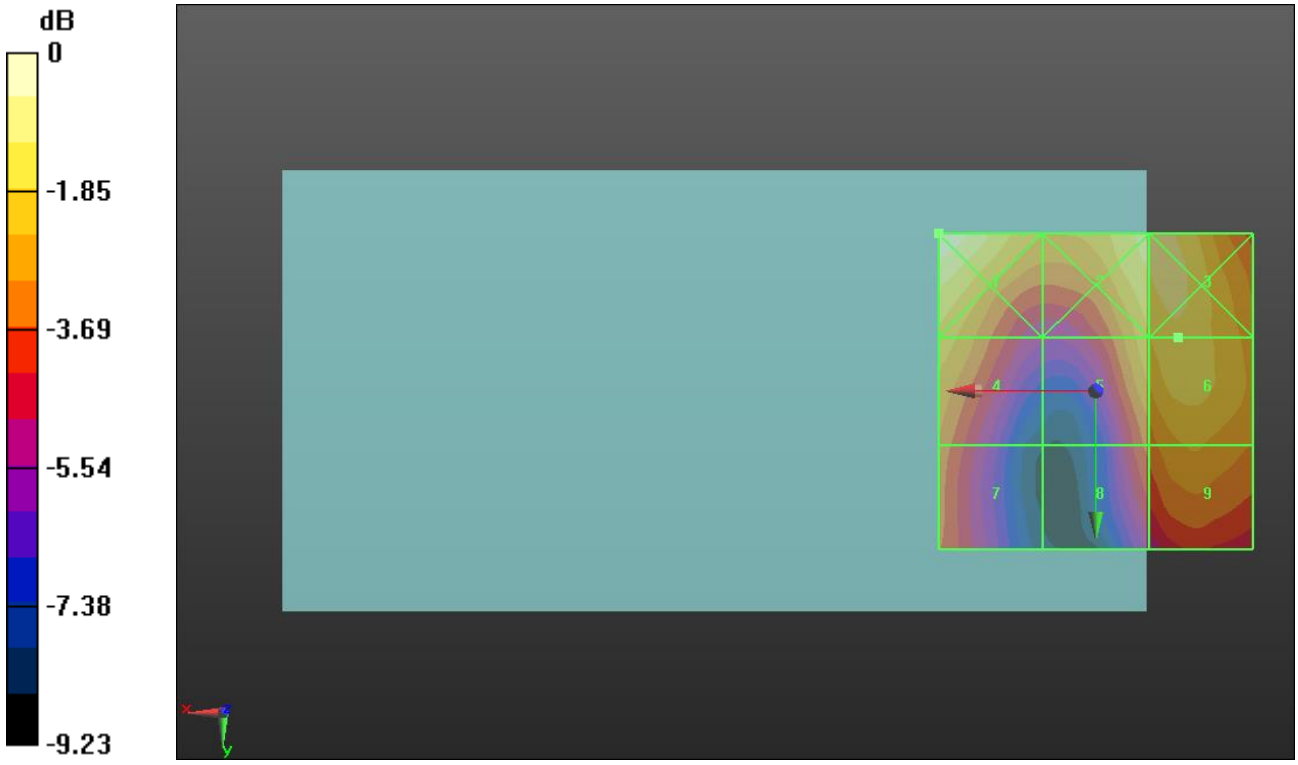
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 11.87 V/m; Power Drift = -0.02 dB
Applied MIF = -1.44 dB
RF audio interference level = 23.02 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.33 dBV/m**	Grid 2 **M4** **23.27 dBV/m**	Grid 3 **M4** **23.28 dBV/m**
Grid 4 **M4** **22.34 dBV/m**	Grid 5 **M4** **22.46 dBV/m**	Grid 6 **M4** **23.02 dBV/m**
Grid 7 **M4** **21.15 dBV/m**	Grid 8 **M4** **20.93 dBV/m**	Grid 9 **M4** **21.95 dBV/m**



0 dB = 16.47 V/m = 24.33 dBV/m

HAC-RF Emission ANT 1

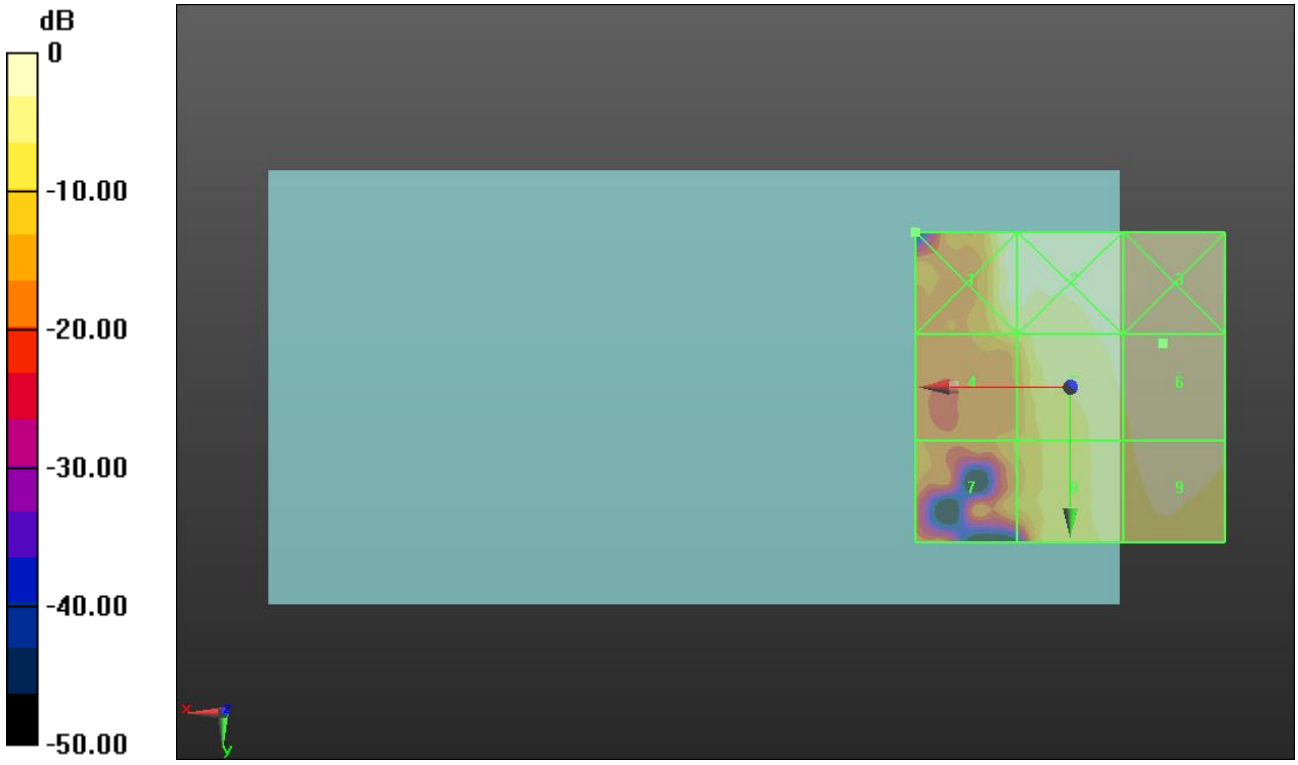
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 2.779 V/m; Power Drift = 11.69 dB
Applied MIF = -1.44 dB
RF audio interference level = 22.65 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.09 dBV/m**	Grid 2 **M4** **24.09 dBV/m**	Grid 3 **M4** **23.37 dBV/m**
Grid 4 **M4** **15.99 dBV/m**	Grid 5 **M4** **21.88 dBV/m**	Grid 6 **M4** **22.65 dBV/m**
Grid 7 **M4** **11.32 dBV/m**	Grid 8 **M4** **20.26 dBV/m**	Grid 9 **M4** **21.65 dBV/m**



0 dB = 16.01 V/m = 24.09 dBV/m

HAC-RF Emission ANT 1

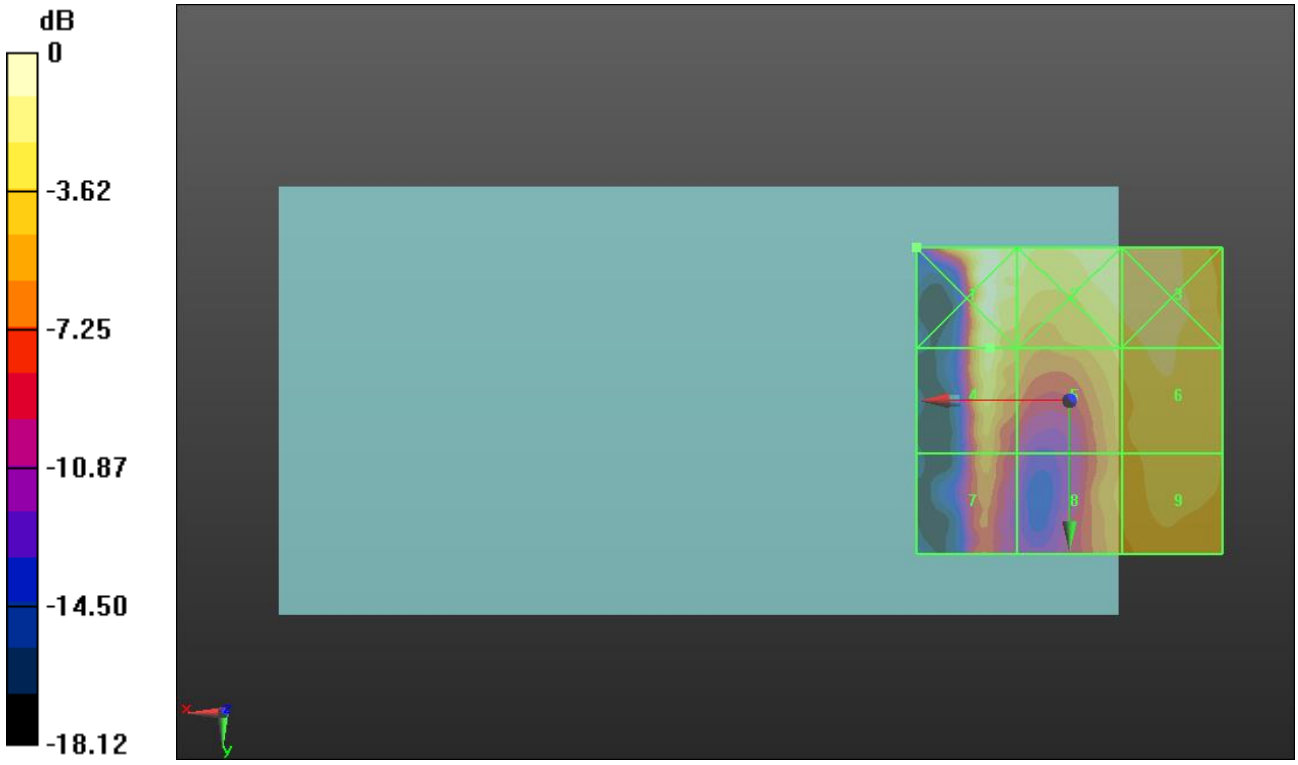
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 2.574 V/m; Power Drift = 9.65 dB
Applied MIF = -1.44 dB
RF audio interference level = 21.04 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **22.83 dBV/m**	Grid 2 **M4** **21.51 dBV/m**	Grid 3 **M4** **21.55 dBV/m**
Grid 4 **M4** **21.04 dBV/m**	Grid 5 **M4** **19.69 dBV/m**	Grid 6 **M4** **20.57 dBV/m**
Grid 7 **M4** **17.38 dBV/m**	Grid 8 **M4** **18.23 dBV/m**	Grid 9 **M4** **19.84 dBV/m**



0 dB = 13.86 V/m = 22.84 dBV/m

HAC-RF Emission ANT 1

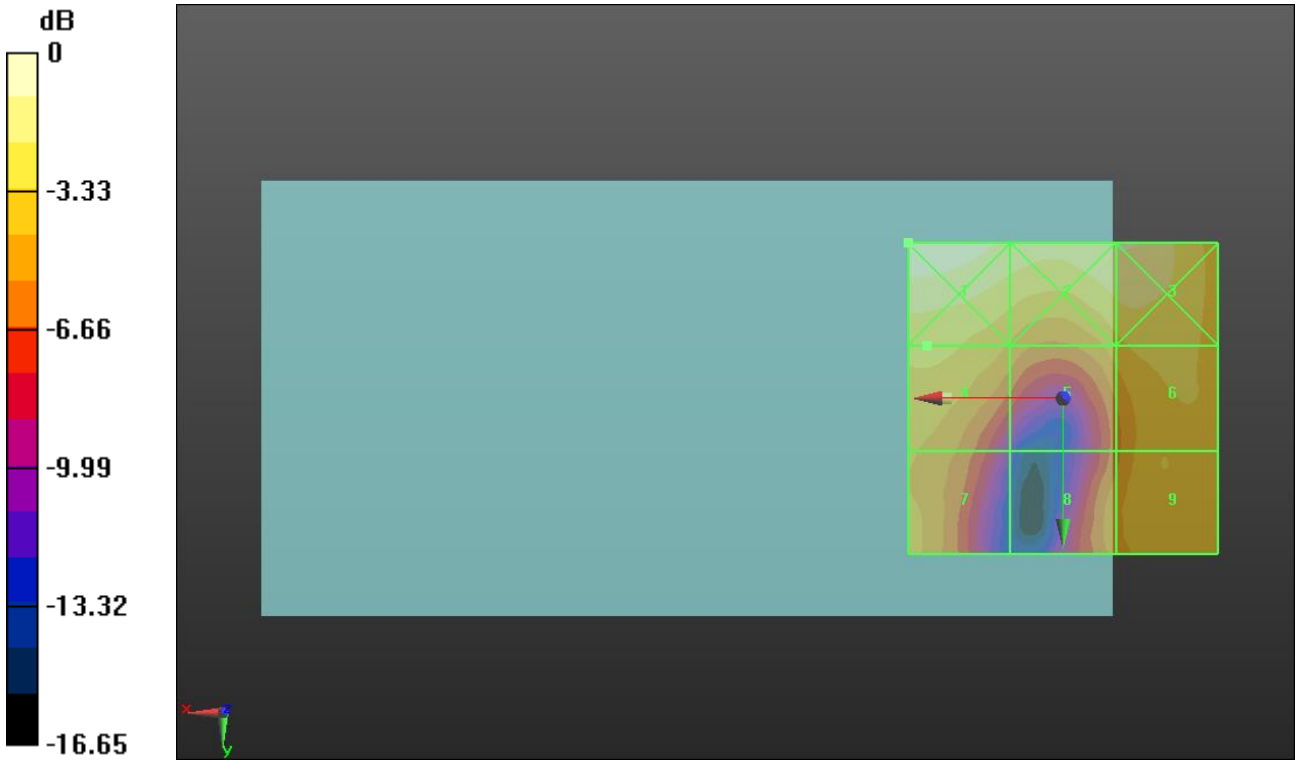
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 41_Power Class 2 E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM 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 = 8.610 V/m; Power Drift = -0.01 dB
Applied MIF = -1.44 dB
RF audio interference level = 21.02 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.97 dBV/m**	Grid 2 **M4** **22.93 dBV/m**	Grid 3 **M4** **22.95 dBV/m**
Grid 4 **M4** **21.02 dBV/m**	Grid 5 **M4** **20.21 dBV/m**	Grid 6 **M4** **21 dBV/m**
Grid 7 **M4** **19.82 dBV/m**	Grid 8 **M4** **19.18 dBV/m**	Grid 9 **M4** **20.68 dBV/m**



0 dB = 15.79 V/m = 23.97 dBV/m

HAC-RF Emission ANT 1

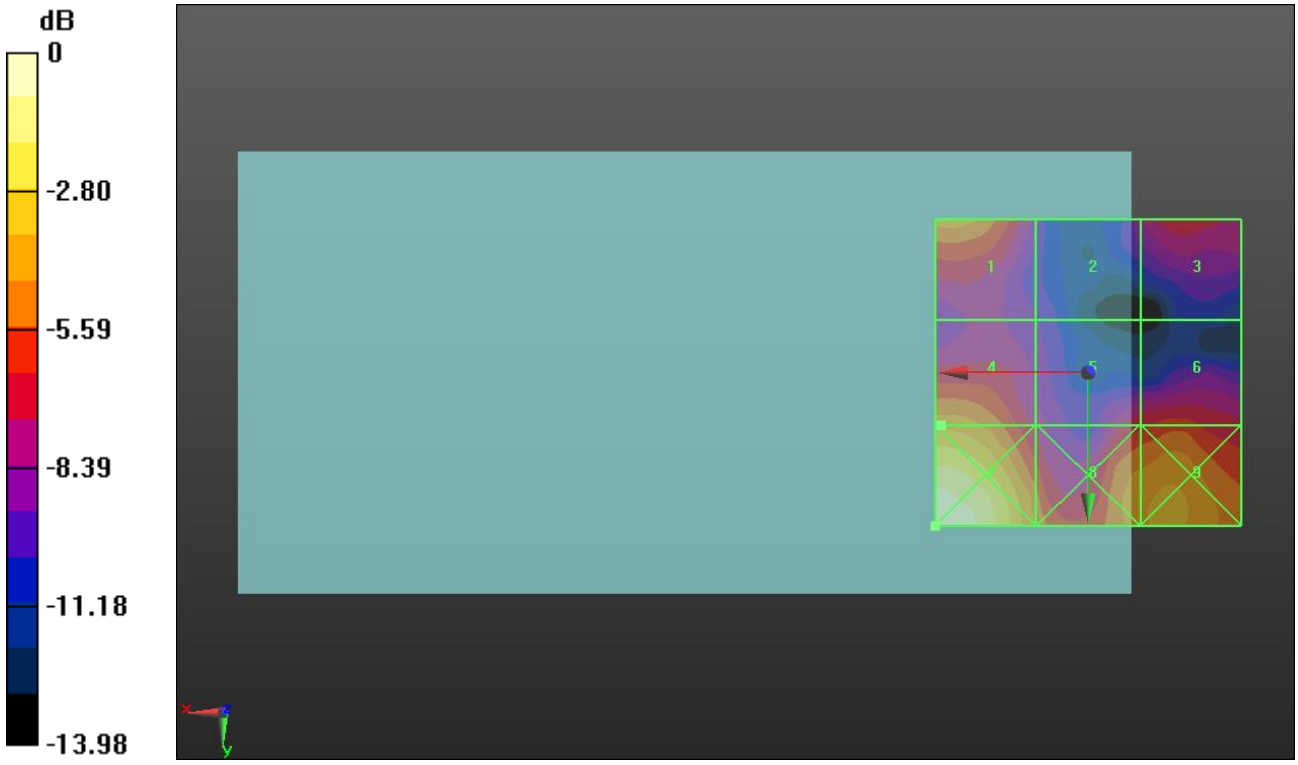
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 55340/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 = 4.858 V/m; Power Drift = -0.14 dB
Applied MIF = -1.44 dB
RF audio interference level = 18.00 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **17.93 dBV/m**	Grid 2 **M4** **13.49 dBV/m**	Grid 3 **M4** **15.16 dBV/m**
Grid 4 **M4** **18 dBV/m**	Grid 5 **M4** **15.21 dBV/m**	Grid 6 **M4** **16.01 dBV/m**
Grid 7 **M4** **22 dBV/m**	Grid 8 **M4** **18.08 dBV/m**	Grid 9 **M4** **18.52 dBV/m**



0 dB = 12.59 V/m = 22.00 dBV/m

HAC-RF Emission ANT 1

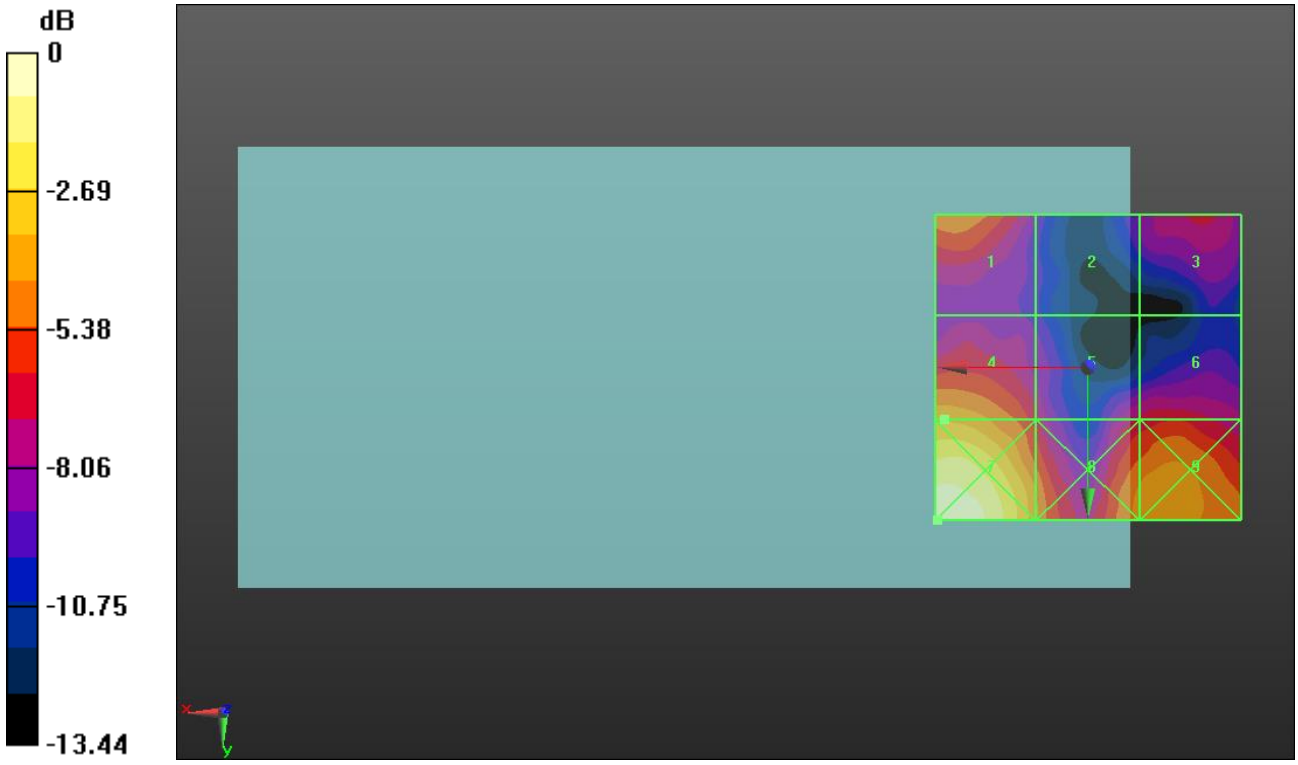
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 55773/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 = 4.266 V/m; Power Drift = -0.23 dB
Applied MIF = -1.44 dB
RF audio interference level = 18.81 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **17.99 dBV/m**	Grid 2 **M4** **13.99 dBV/m**	Grid 3 **M4** **15.76 dBV/m**
Grid 4 **M4** **18.81 dBV/m**	Grid 5 **M4** **15.69 dBV/m**	Grid 6 **M4** **16.18 dBV/m**
Grid 7 **M4** **22.51 dBV/m**	Grid 8 **M4** **18.38 dBV/m**	Grid 9 **M4** **18.89 dBV/m**



0 dB = 13.35 V/m = 22.51 dBV/m

HAC-RF Emission ANT 1

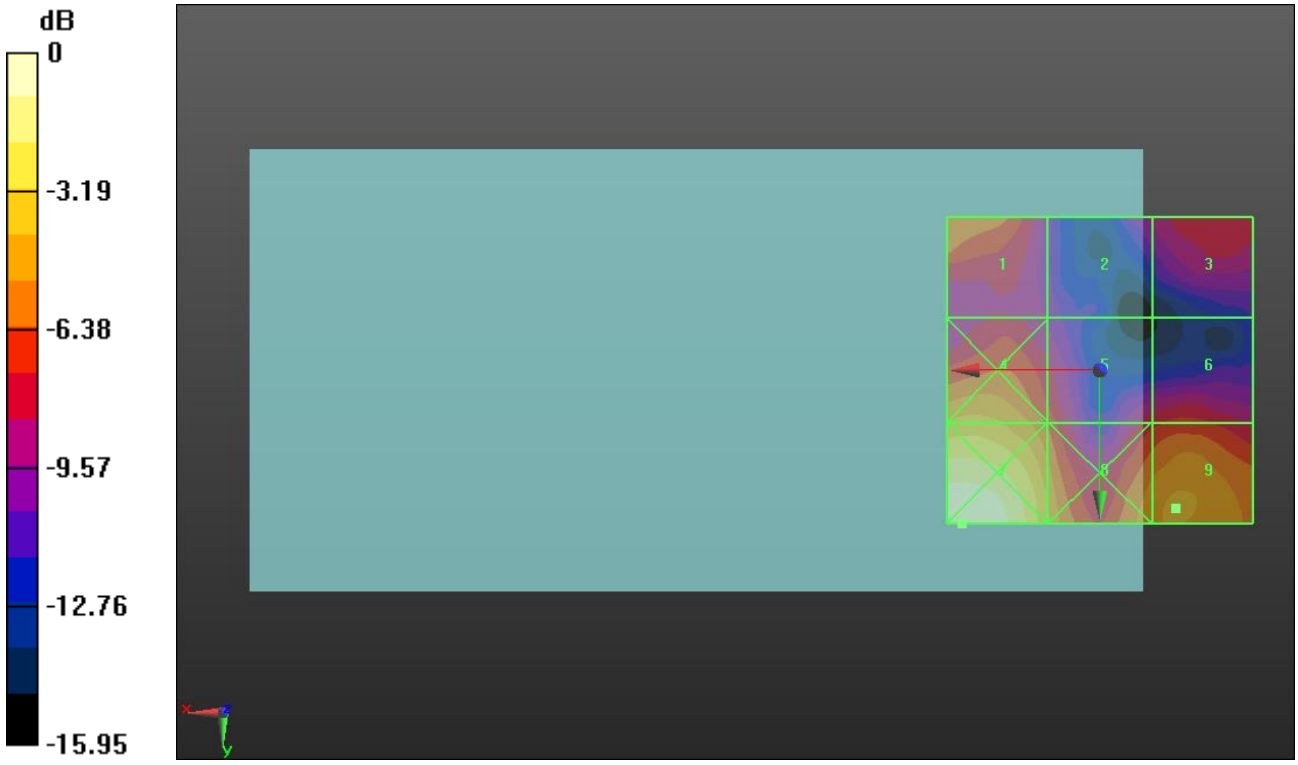
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 56207/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 = 5.709 V/m; Power Drift = -2.91 dB
Applied MIF = -1.44 dB
RF audio interference level = 18.75 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **17.4 dBV/m**	Grid 2 **M4** **13.63 dBV/m**	Grid 3 **M4** **15.32 dBV/m**
Grid 4 **M4** **18.98 dBV/m**	Grid 5 **M4** **16.21 dBV/m**	Grid 6 **M4** **15.75 dBV/m**
Grid 7 **M4** **22.83 dBV/m**	Grid 8 **M4** **18.84 dBV/m**	Grid 9 **M4** **18.75 dBV/m**



0 dB = 13.85 V/m = 22.83 dBV/m

HAC-RF Emission ANT 1

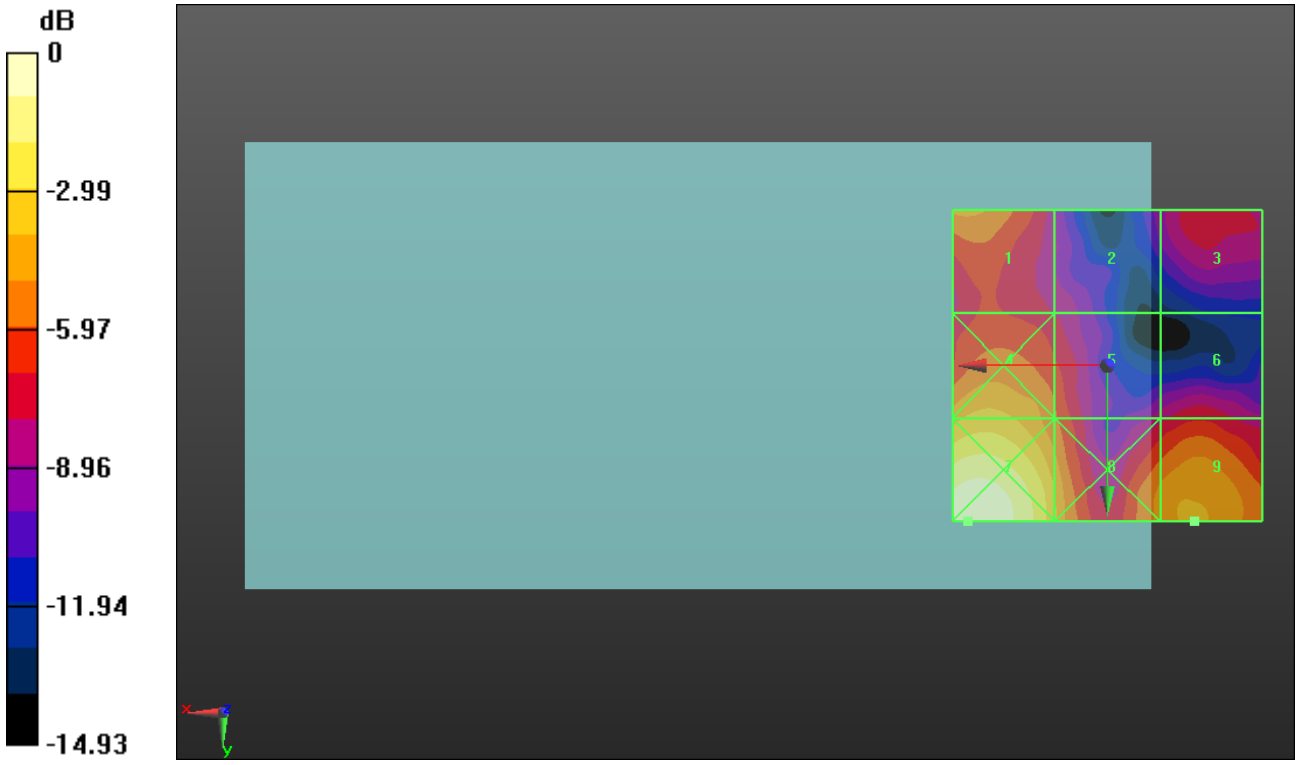
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 56640/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 = 5.267 V/m; Power Drift = 0.41 dB
Applied MIF = -1.44 dB
RF audio interference level = 18.74 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **17.96 dBV/m**	Grid 2 **M4** **14.61 dBV/m**	Grid 3 **M4** **15.43 dBV/m**
Grid 4 **M4** **19.03 dBV/m**	Grid 5 **M4** **16.84 dBV/m**	Grid 6 **M4** **15.49 dBV/m**
Grid 7 **M4** **22.58 dBV/m**	Grid 8 **M4** **18.87 dBV/m**	Grid 9 **M4** **18.74 dBV/m**



0 dB = 13.46 V/m = 22.58 dBV/m

HAC-RF Emission ANT 2

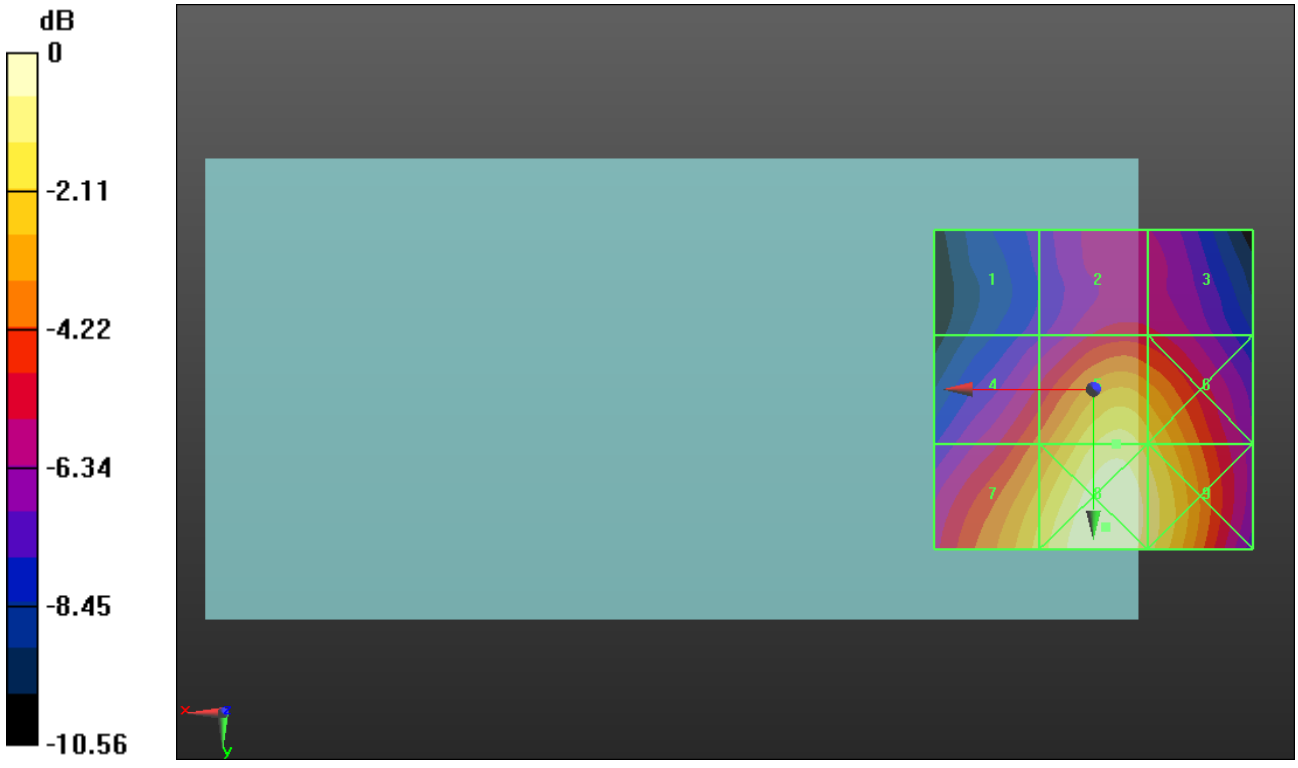
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM850 E-Field measurement/Voice_ch 128/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 = 41.27 V/m; Power Drift = -0.13 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.55 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **27.41 dBV/m**	Grid 2 **M4** **29.37 dBV/m**	Grid 3 **M4** **29.23 dBV/m**
Grid 4 **M4** **30.71 dBV/m**	Grid 5 **M4** **33.55 dBV/m**	Grid 6 **M4** **32.86 dBV/m**
Grid 7 **M4** **32.77 dBV/m**	Grid 8 **M4** **34.6 dBV/m**	Grid 9 **M4** **33.72 dBV/m**



0 dB = 53.67 V/m = 34.59 dBV/m

HAC-RF Emission ANT 2

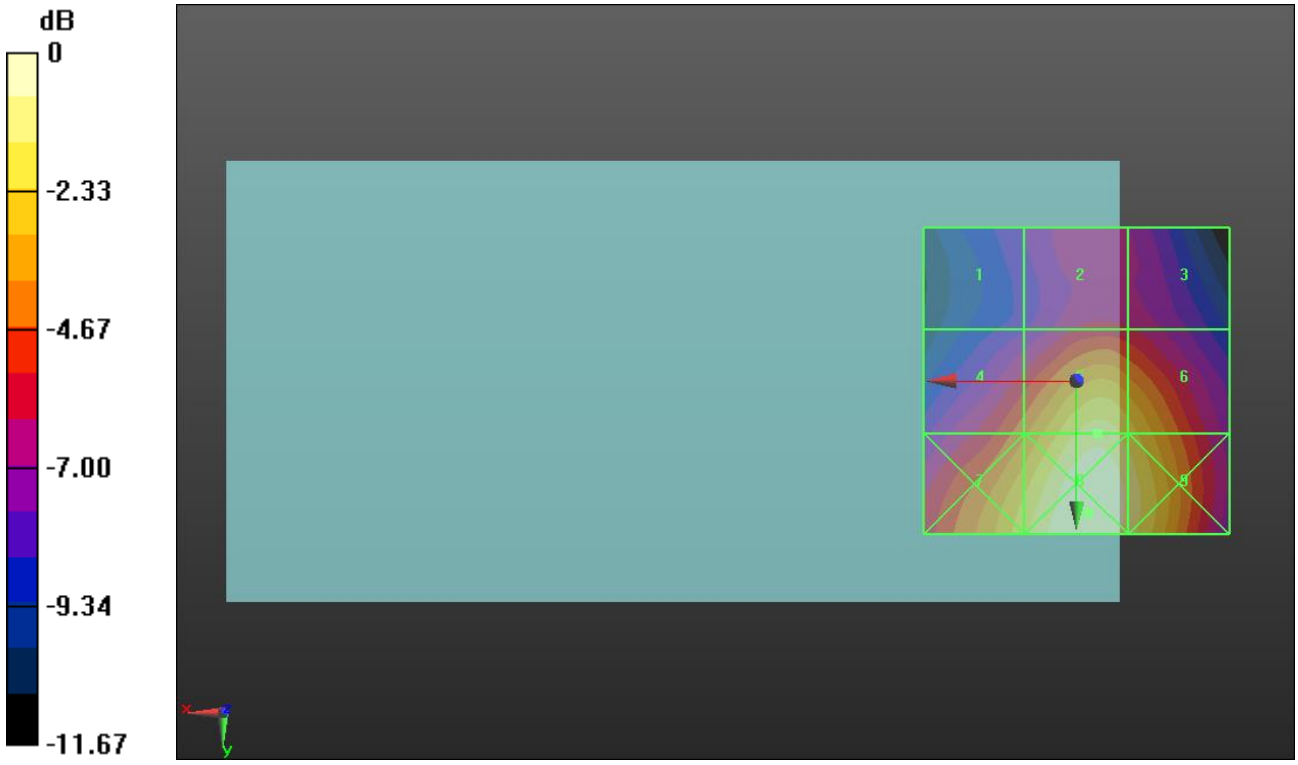
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM850 E-Field measurement/Voice_ch 190/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 = 38.96 V/m; Power Drift = -0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.14 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **26.64 dBV/m**	Grid 2 **M4** **28.43 dBV/m**	Grid 3 **M4** **28.18 dBV/m**
Grid 4 **M4** **30.27 dBV/m**	Grid 5 **M4** **33.14 dBV/m**	Grid 6 **M4** **32.37 dBV/m**
Grid 7 **M4** **32.54 dBV/m**	Grid 8 **M4** **34.3 dBV/m**	Grid 9 **M4** **33.36 dBV/m**



0 dB = 51.87 V/m = 34.30 dBV/m

HAC-RF Emission ANT 2

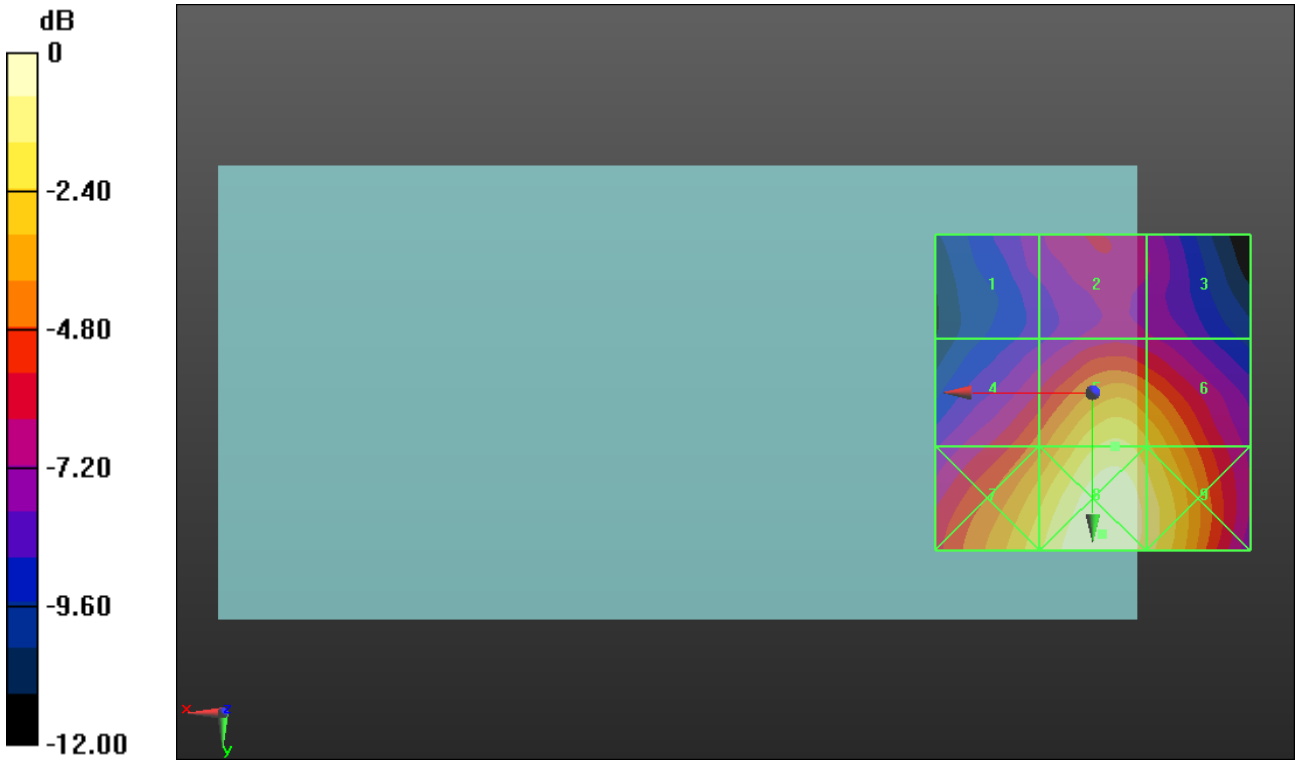
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM850 E-Field measurement/Voice_ch 251/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 = 36.24 V/m; Power Drift = -0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 32.60 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **26.58 dBV/m**	Grid 2 **M4** **27.6 dBV/m**	Grid 3 **M4** **27.03 dBV/m**
Grid 4 **M4** **29.65 dBV/m**	Grid 5 **M4** **32.6 dBV/m**	Grid 6 **M4** **31.8 dBV/m**
Grid 7 **M4** **32.19 dBV/m**	Grid 8 **M4** **33.95 dBV/m**	Grid 9 **M4** **32.99 dBV/m**



0 dB = 49.82 V/m = 33.95 dBV/m

HAC-RF Emission ANT 2

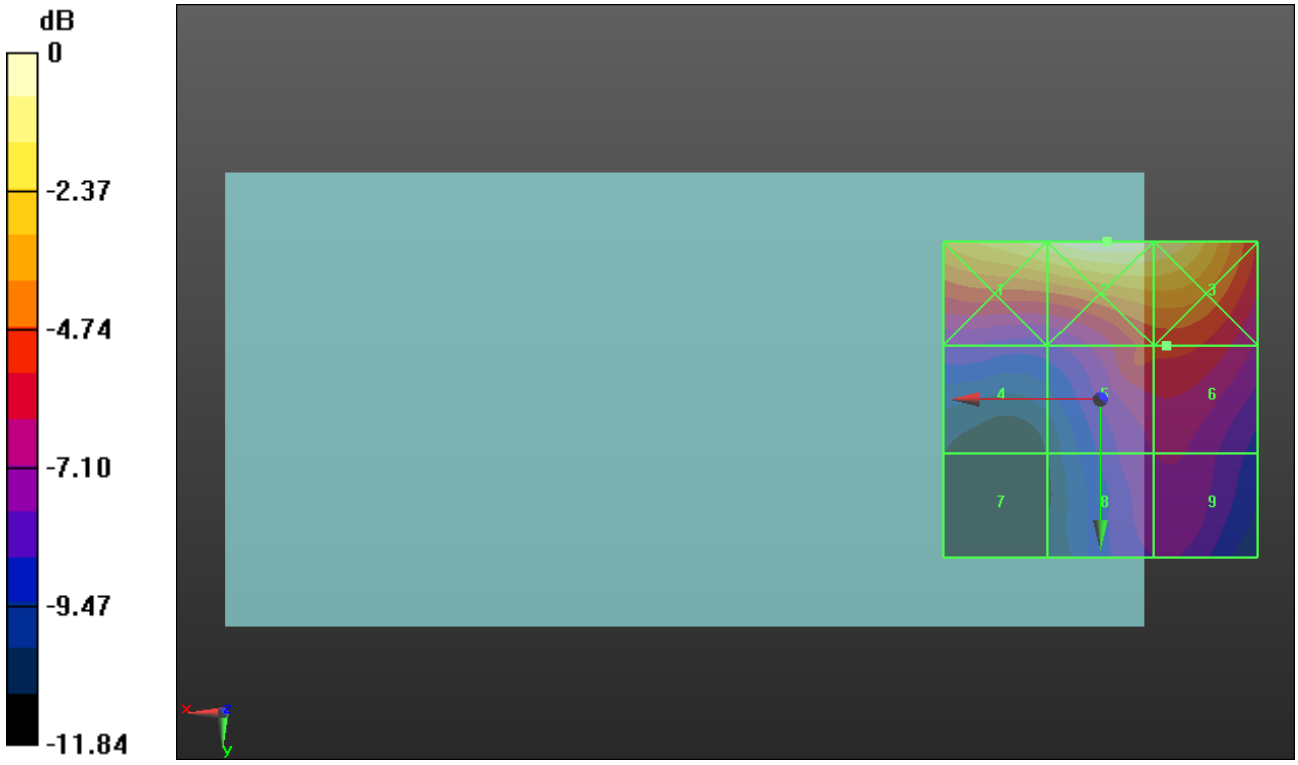
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM1900 E-Field measurement/Voice_ch 512/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 = 20.68 V/m; Power Drift = -0.20 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.24 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **34.51 dBV/m**	Grid 2 **M2** **35.45 dBV/m**	Grid 3 **M3** **34.88 dBV/m**
Grid 4 **M4** **27.64 dBV/m**	Grid 5 **M3** **30.22 dBV/m**	Grid 6 **M3** **30.24 dBV/m**
Grid 7 **M4** **24.48 dBV/m**	Grid 8 **M4** **28.38 dBV/m**	Grid 9 **M4** **28.46 dBV/m**



0 dB = 59.23 V/m = 35.45 dBV/m

HAC-RF Emission ANT 2

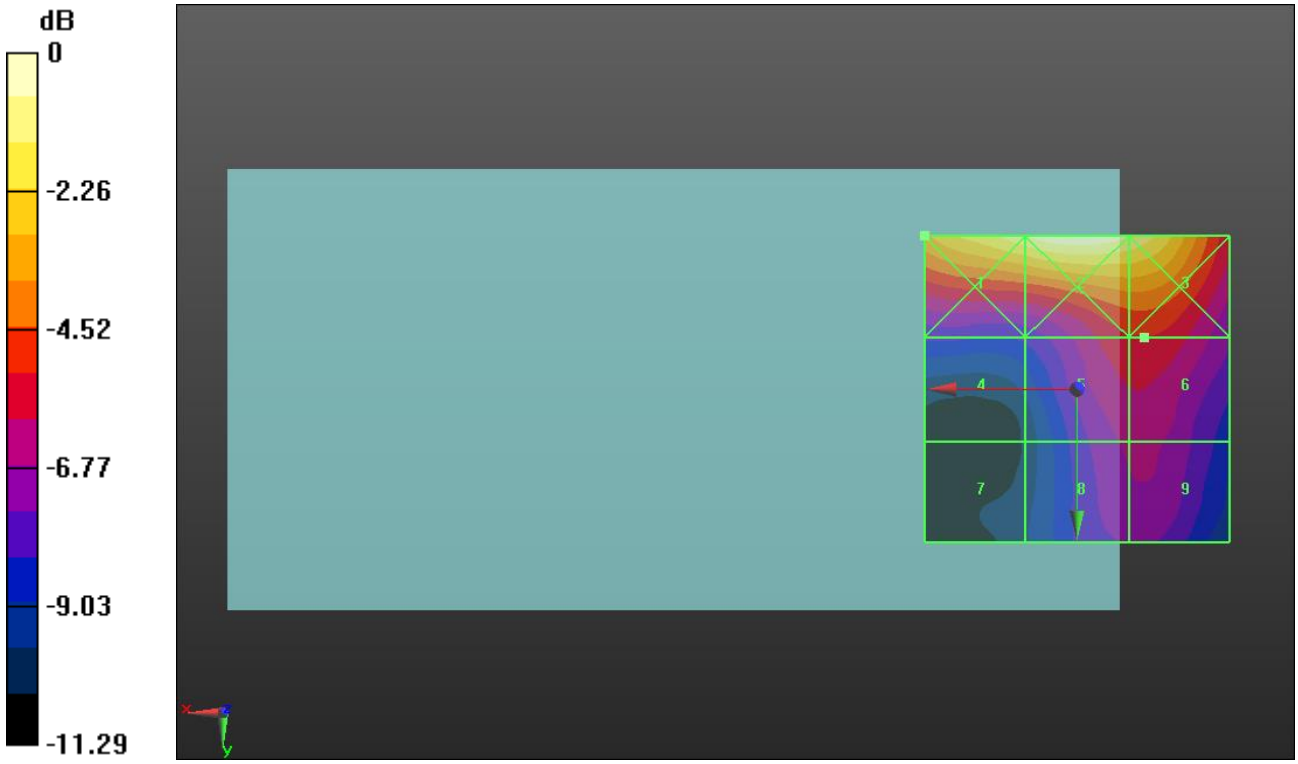
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM1900 E-Field measurement/Voice_ch 661/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 = 21.62 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.91 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M3** **34.37 dBV/m**	Grid 2 **M2** **35.19 dBV/m**	Grid 3 **M3** **34.5 dBV/m**
Grid 4 **M4** **27.19 dBV/m**	Grid 5 **M4** **29.86 dBV/m**	Grid 6 **M4** **29.91 dBV/m**
Grid 7 **M4** **25.36 dBV/m**	Grid 8 **M4** **28.6 dBV/m**	Grid 9 **M4** **28.67 dBV/m**



0 dB = 57.45 V/m = 35.19 dBV/m

HAC-RF Emission ANT 2

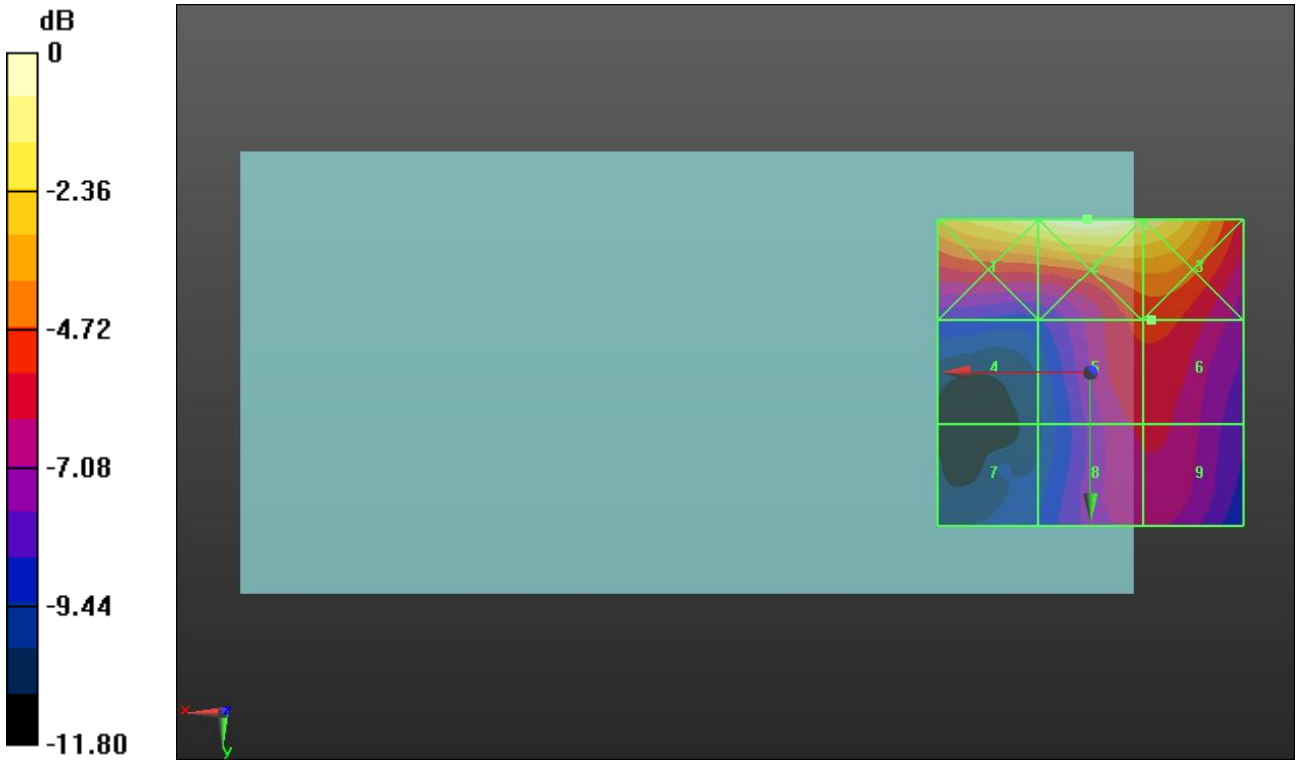
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

GSM1900 E-Field measurement/Voice_ch 810/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 = 22.45 V/m; Power Drift = -0.01 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.50 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M3** **33.94 dBV/m**	Grid 2 **M3** **34.7 dBV/m**	Grid 3 **M3** **33.97 dBV/m**
Grid 4 **M4** **26.18 dBV/m**	Grid 5 **M4** **29.45 dBV/m**	Grid 6 **M4** **29.5 dBV/m**
Grid 7 **M4** **25.51 dBV/m**	Grid 8 **M4** **28.58 dBV/m**	Grid 9 **M4** **28.6 dBV/m**



0 dB = 54.34 V/m = 34.70 dBV/m

HAC-RF Emission ANT 2

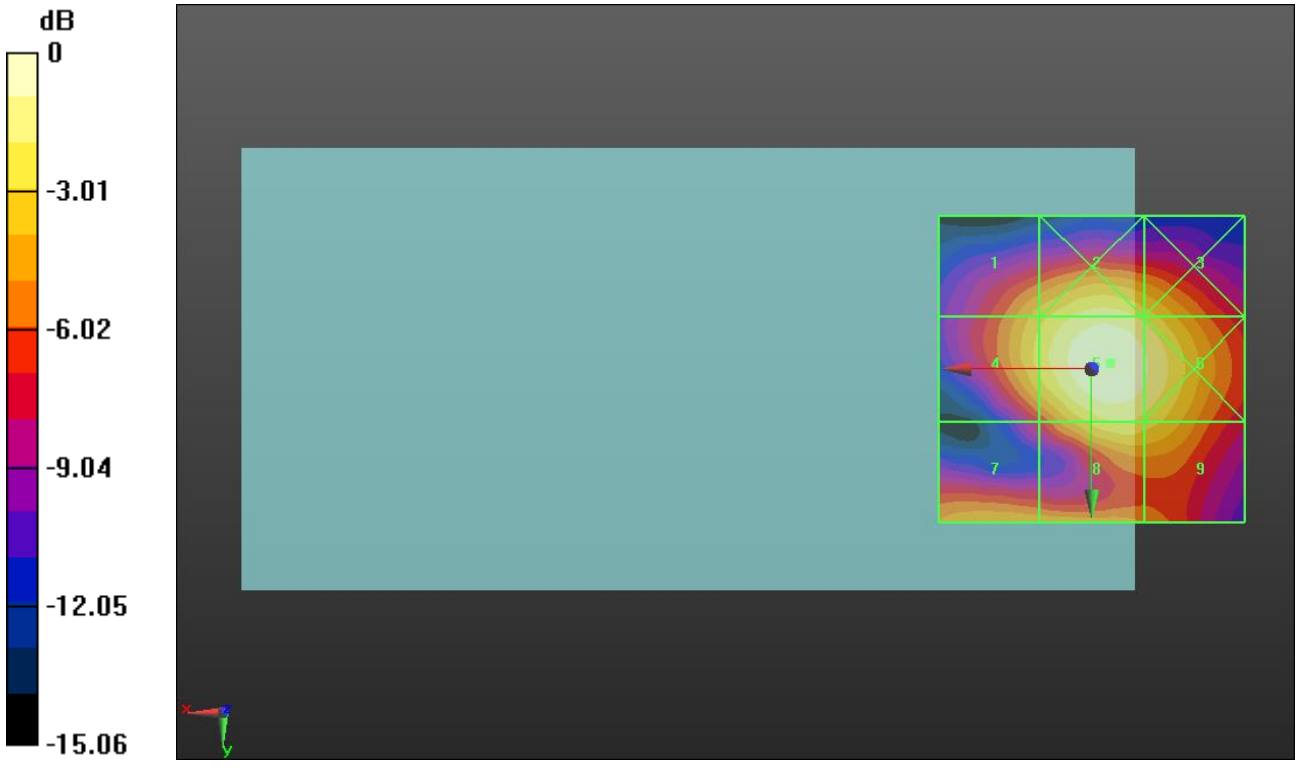
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2422 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11g_E-Field measurement/DSSS/OFDM 54 Mbps Ch. 3/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 = 40.41 V/m; Power Drift = -0.10 dB
Applied MIF = 0.00 dB
RF audio interference level = 27.61 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.24 dBV/m**	Grid 2 **M4** **26.25 dBV/m**	Grid 3 **M4** **25.32 dBV/m**
Grid 4 **M4** **25.07 dBV/m**	Grid 5 **M4** **27.61 dBV/m**	Grid 6 **M4** **26.81 dBV/m**
Grid 7 **M4** **23.71 dBV/m**	Grid 8 **M4** **25.66 dBV/m**	Grid 9 **M4** **25.23 dBV/m**



0 dB = 24.01 V/m = 27.61 dBV/m

HAC-RF Emission ANT 2

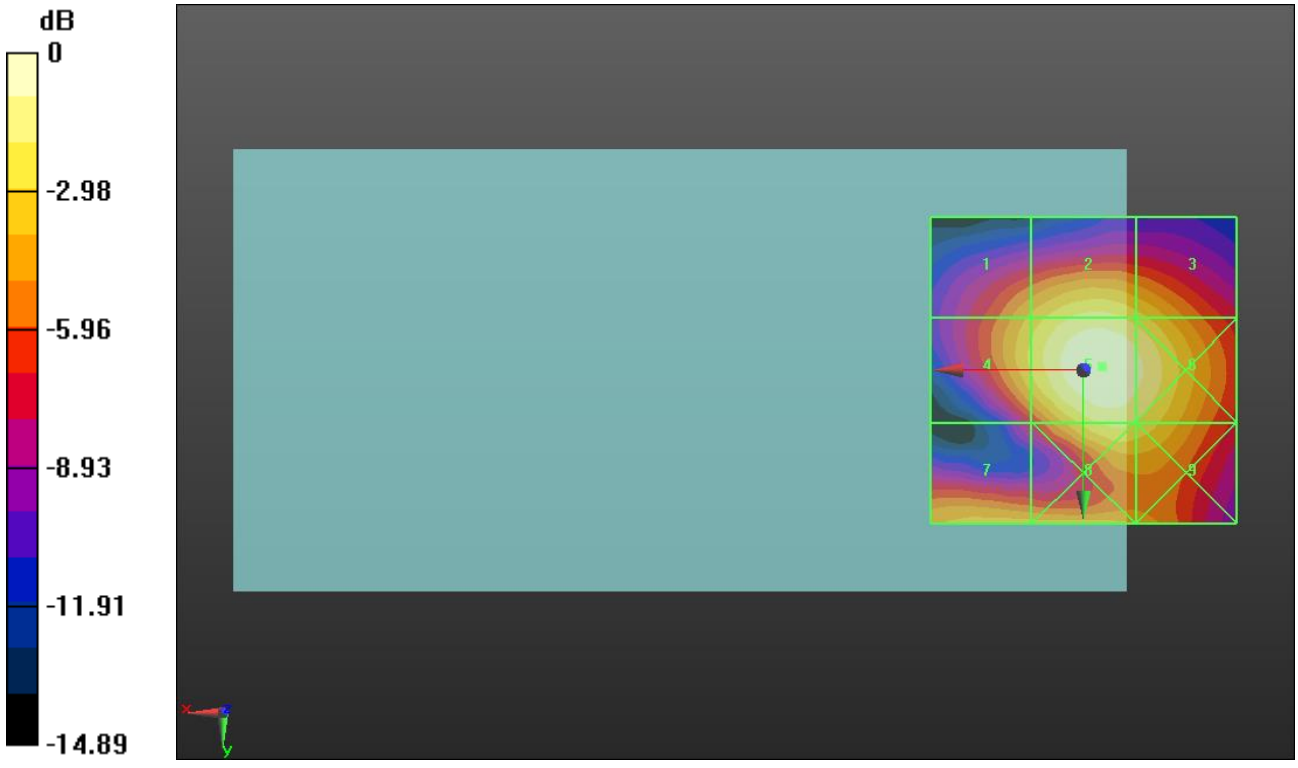
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11g_E-Field measurement/DSSS/OFDM 54 Mbps Ch. 6/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 = 47.48 V/m; Power Drift = -0.14 dB
Applied MIF = 0.00 dB
RF audio interference level = 28.91 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.29 dBV/m**	Grid 2 **M4** **27.39 dBV/m**	Grid 3 **M4** **26.51 dBV/m**
Grid 4 **M4** **26.25 dBV/m**	Grid 5 **M4** **28.91 dBV/m**	Grid 6 **M4** **28.23 dBV/m**
Grid 7 **M4** **25.56 dBV/m**	Grid 8 **M4** **27.27 dBV/m**	Grid 9 **M4** **26.85 dBV/m**



0 dB = 27.89 V/m = 28.91 dBV/m

HAC-RF Emission ANT 2

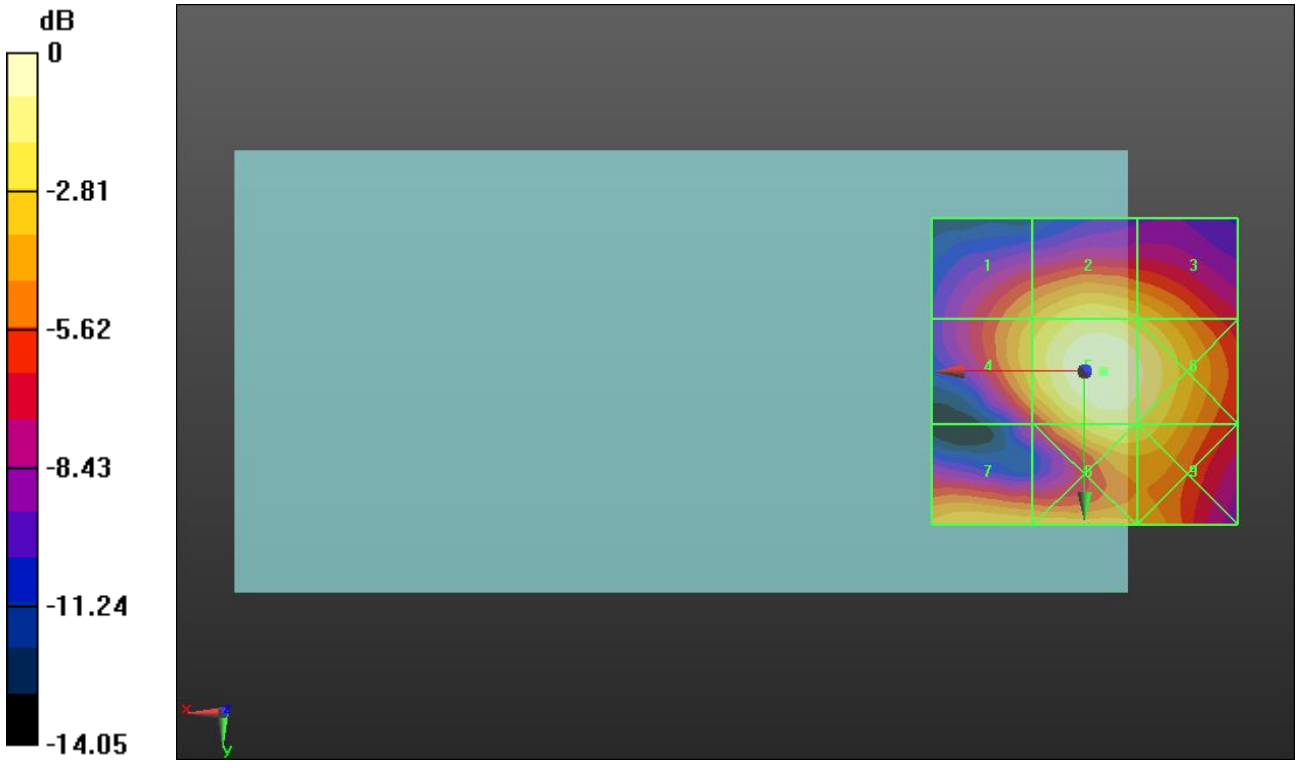
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2452 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11g_E-Field measurement/DSSS/OFDM 54 Mbps Ch. 9/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 = 45.02 V/m; Power Drift = 0.02 dB
Applied MIF = 0.00 dB
RF audio interference level = 28.62 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.98 dBV/m**	Grid 2 **M4** **27 dBV/m**	Grid 3 **M4** **26.14 dBV/m**
Grid 4 **M4** **25.98 dBV/m**	Grid 5 **M4** **28.62 dBV/m**	Grid 6 **M4** **27.95 dBV/m**
Grid 7 **M4** **25.88 dBV/m**	Grid 8 **M4** **27.09 dBV/m**	Grid 9 **M4** **26.76 dBV/m**



0 dB = 26.96 V/m = 28.61 dBV/m

HAC-RF Emission ANT 3

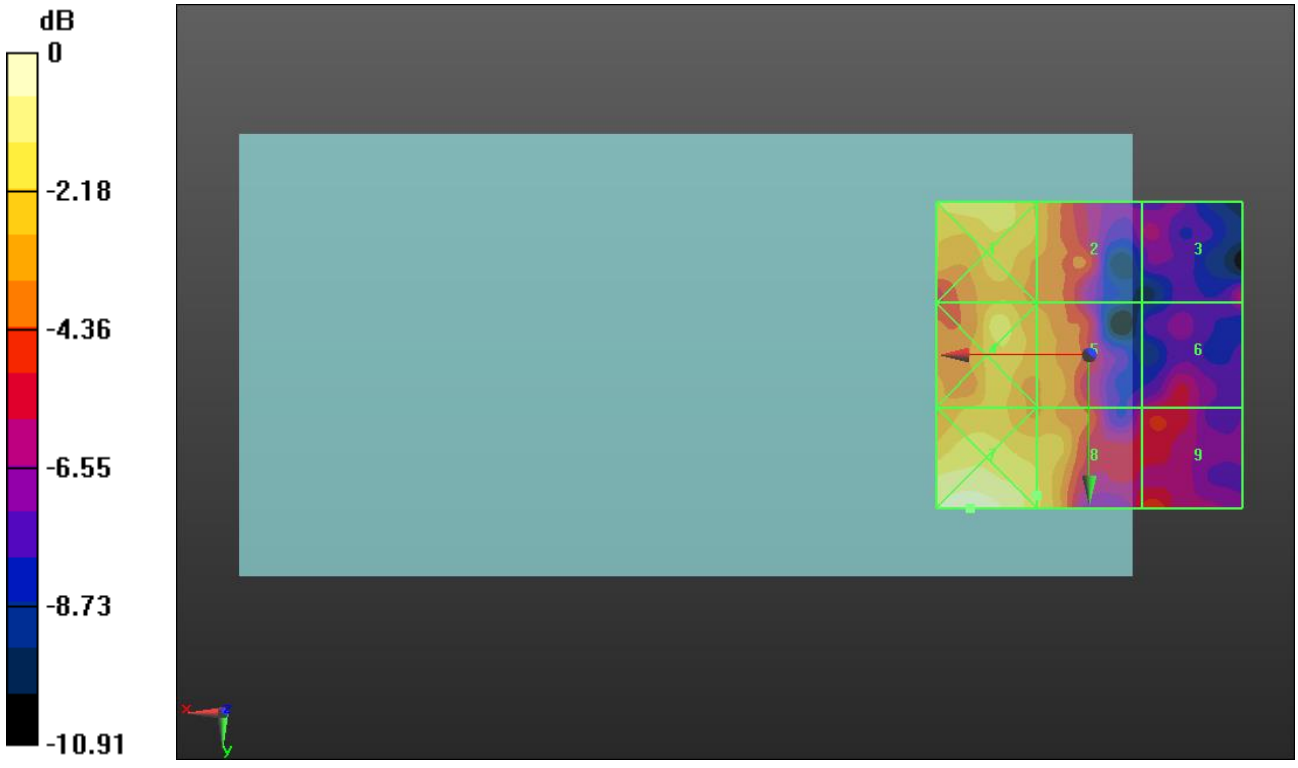
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2417 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11b_E-Field measurement/OFDM 11 Mbps Ch. 2/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 = 5.019 V/m; Power Drift = -0.89 dB
Applied MIF = 0.00 dB
RF audio interference level = 14.94 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **15.58 dBV/m**	Grid 2 **M4** **14.02 dBV/m**	Grid 3 **M4** **11.1 dBV/m**
Grid 4 **M4** **15.27 dBV/m**	Grid 5 **M4** **13.89 dBV/m**	Grid 6 **M4** **11.57 dBV/m**
Grid 7 **M4** **17 dBV/m**	Grid 8 **M4** **14.94 dBV/m**	Grid 9 **M4** **12.68 dBV/m**



0 dB = 7.079 V/m = 17.00 dBV/m

HAC-RF Emission ANT 3

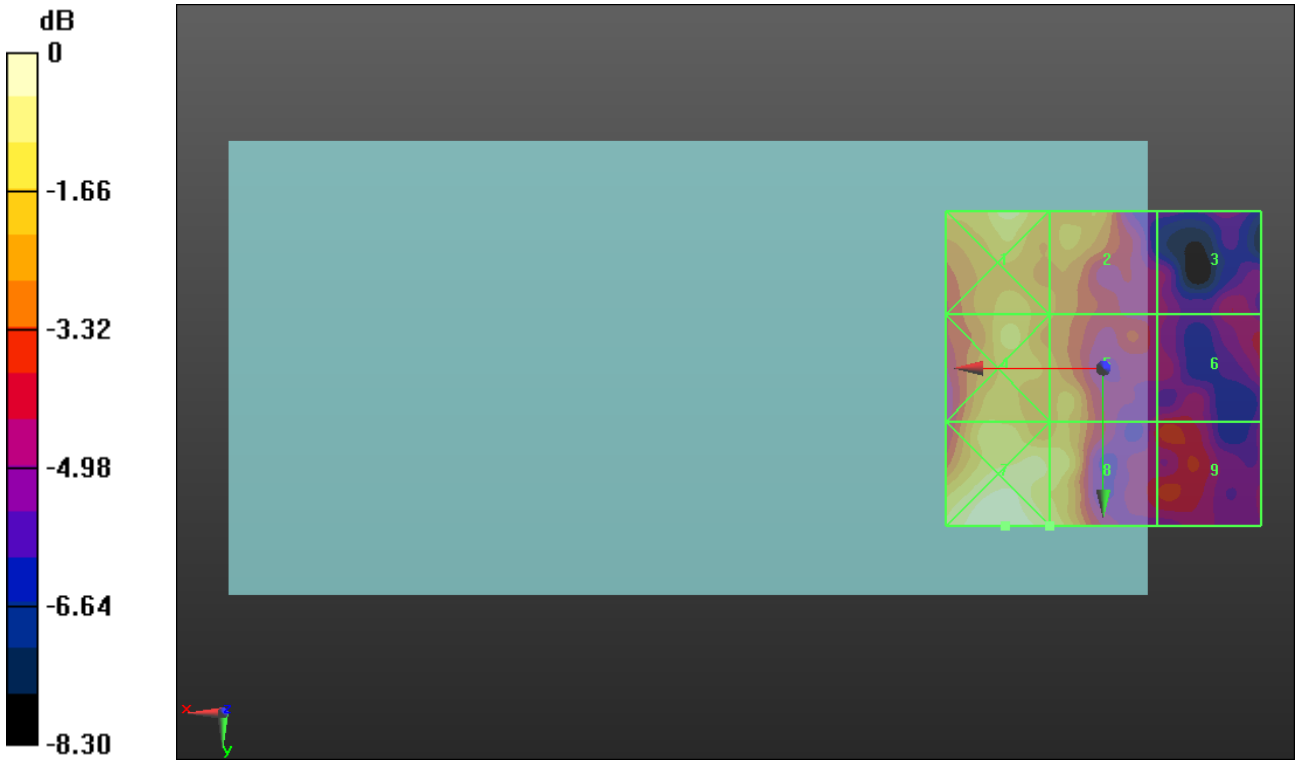
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11b_E-Field measurement/OFDM 11 Mbps Ch. 6/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 = 4.244 V/m; Power Drift = 0.52 dB
Applied MIF = 0.00 dB
RF audio interference level = 15.13 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **15.51 dBV/m**	Grid 2 **M4** **14.2 dBV/m**	Grid 3 **M4** **11.79 dBV/m**
Grid 4 **M4** **14.86 dBV/m**	Grid 5 **M4** **14.28 dBV/m**	Grid 6 **M4** **12.2 dBV/m**
Grid 7 **M4** **16.2 dBV/m**	Grid 8 **M4** **15.13 dBV/m**	Grid 9 **M4** **12.71 dBV/m**



0 dB = 6.455 V/m = 16.20 dBV/m

HAC-RF Emission ANT 3

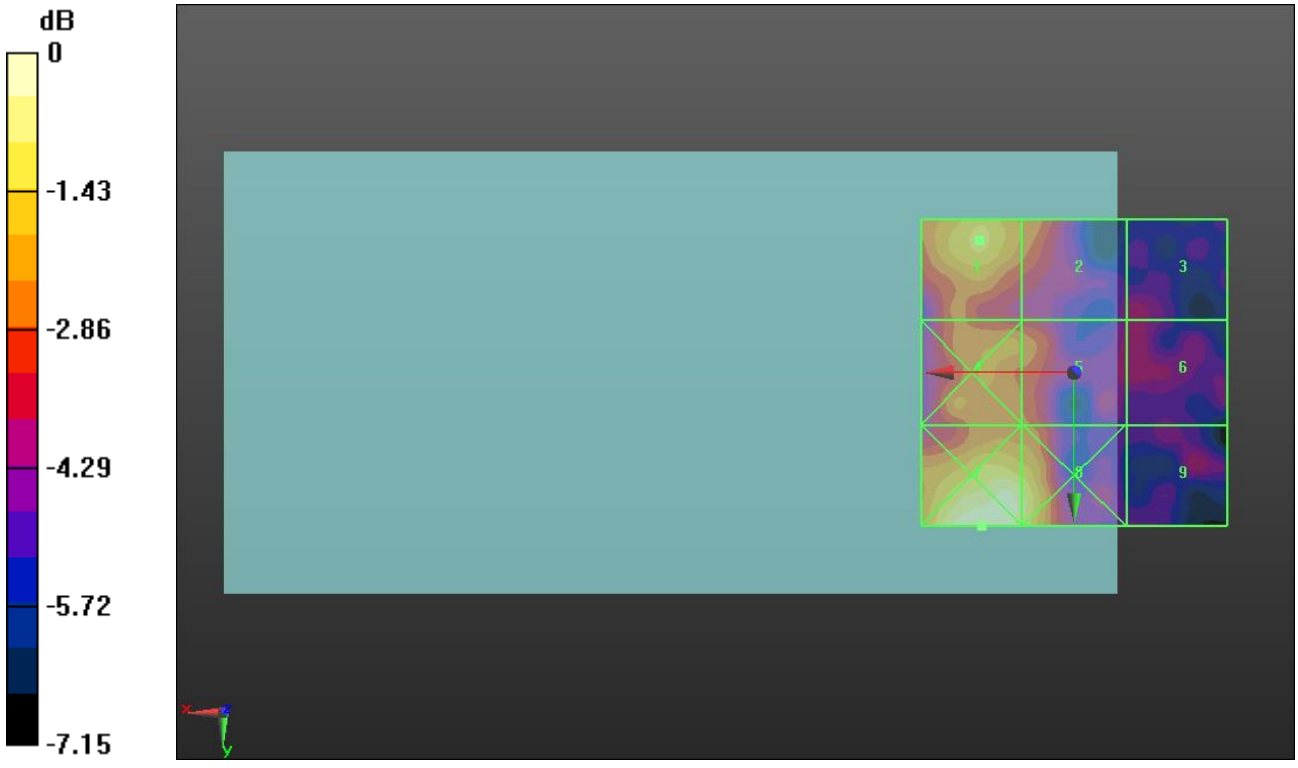
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11b_E-Field measurement/OFDM 11 Mbps Ch. 11/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 = 4.662 V/m; Power Drift = 0.35 dB
Applied MIF = 0.00 dB
RF audio interference level = 14.81 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **14.81 dBV/m**	Grid 2 **M4** **13.76 dBV/m**	Grid 3 **M4** **12.26 dBV/m**
Grid 4 **M4** **13.96 dBV/m**	Grid 5 **M4** **13.69 dBV/m**	Grid 6 **M4** **12.27 dBV/m**
Grid 7 **M4** **16.14 dBV/m**	Grid 8 **M4** **15.41 dBV/m**	Grid 9 **M4** **12.34 dBV/m**



0 dB = 6.410 V/m = 16.14 dBV/m

HAC-RF Emission ANT 3

Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2422 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11g_E-Field measurement/DSSS/OFDM 54 Mbps Ch. 3/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 = 5.259 V/m; Power Drift = -0.45 dB
Applied MIF = 0.00 dB
RF audio interference level = 14.82 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **15.09 dBV/m**	Grid 2 **M4** **13.49 dBV/m**	Grid 3 **M4** **11.3 dBV/m**
Grid 4 **M4** **14.58 dBV/m**	Grid 5 **M4** **13.83 dBV/m**	Grid 6 **M4** **11.02 dBV/m**
Grid 7 **M4** **16.59 dBV/m**	Grid 8 **M4** **14.82 dBV/m**	Grid 9 **M4** **11.62 dBV/m**

0 dB = 6.753 V/m = 16.59 dBV/m

HAC-RF Emission ANT 3

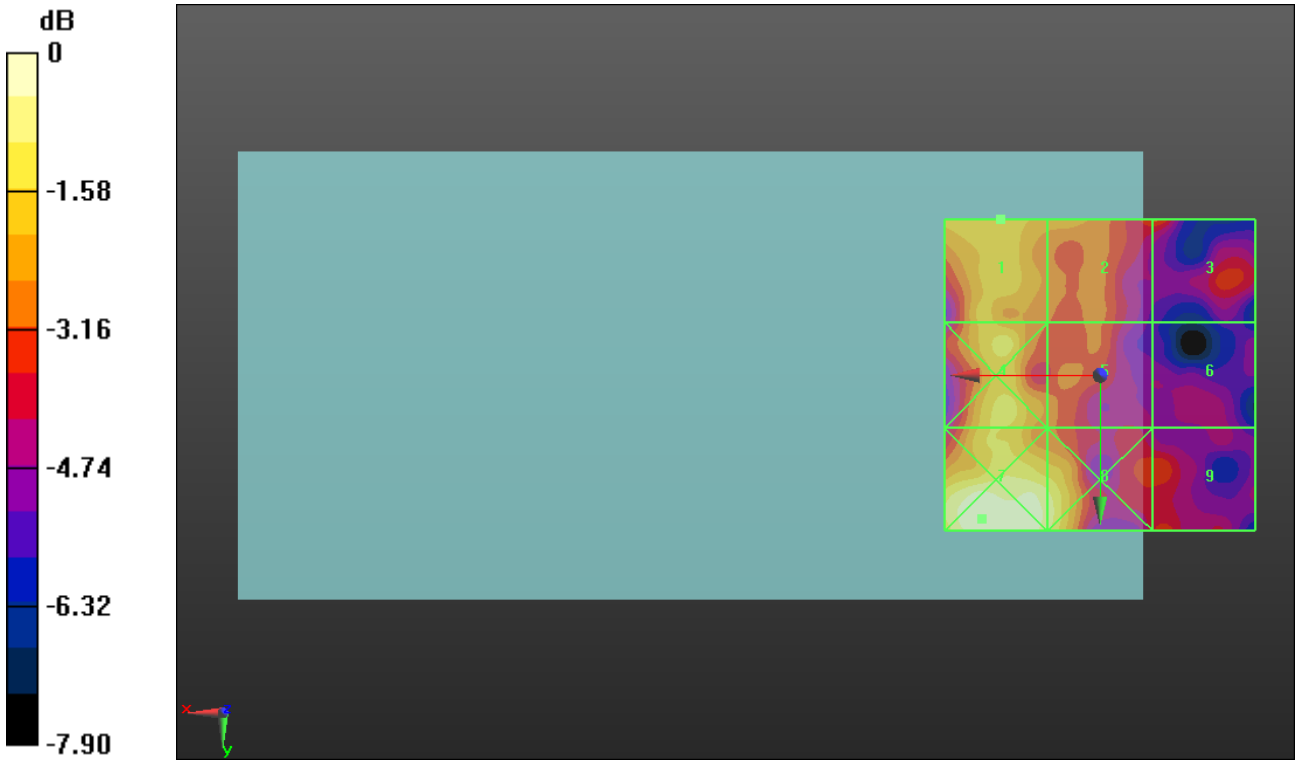
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11g_E-Field measurement/DSSS/OFDM 54 Mbps Ch. 6/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 = 4.806 V/m; Power Drift = -1.16 dB
Applied MIF = 0.00 dB
RF audio interference level = 14.21 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **14.21 dBV/m**	Grid 2 **M4** **13.62 dBV/m**	Grid 3 **M4** **12.8 dBV/m**
Grid 4 **M4** **14.51 dBV/m**	Grid 5 **M4** **13.03 dBV/m**	Grid 6 **M4** **11.48 dBV/m**
Grid 7 **M4** **15.8 dBV/m**	Grid 8 **M4** **15.09 dBV/m**	Grid 9 **M4** **12.58 dBV/m**



0 dB = 6.164 V/m = 15.80 dBV/m

HAC-RF Emission ANT 3

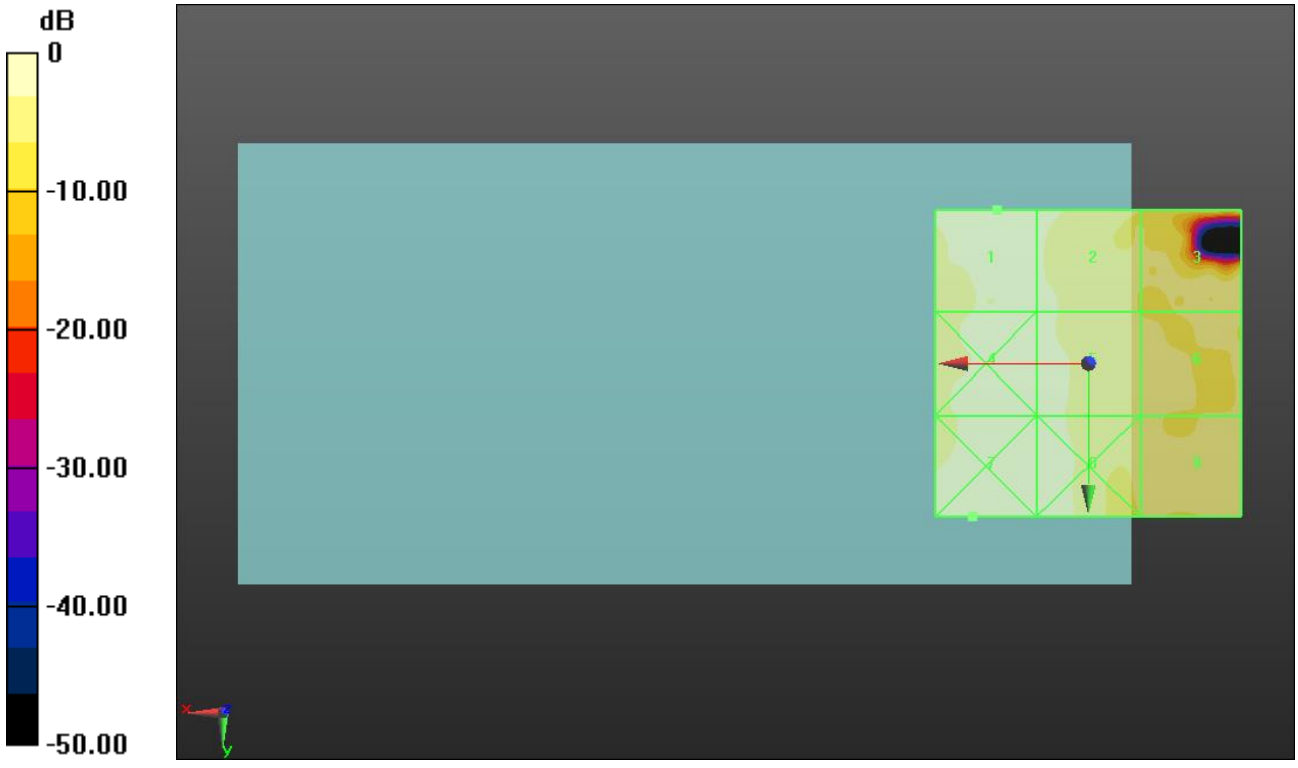
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2452 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

802.11g_E-Field measurement/DSSS/OFDM 54 Mbps Ch. 9/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 = 5.016 V/m; Power Drift = -0.18 dB
Applied MIF = 0.00 dB
RF audio interference level = 14.41 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **14.41 dBV/m**	Grid 2 **M4** **13.82 dBV/m**	Grid 3 **M4** **13.06 dBV/m**
Grid 4 **M4** **14.25 dBV/m**	Grid 5 **M4** **13.78 dBV/m**	Grid 6 **M4** **11.7 dBV/m**
Grid 7 **M4** **16.24 dBV/m**	Grid 8 **M4** **15.38 dBV/m**	Grid 9 **M4** **11.81 dBV/m**



0 dB = 6.488 V/m = 16.24 dBV/m

HAC-RF Emission ANT 4

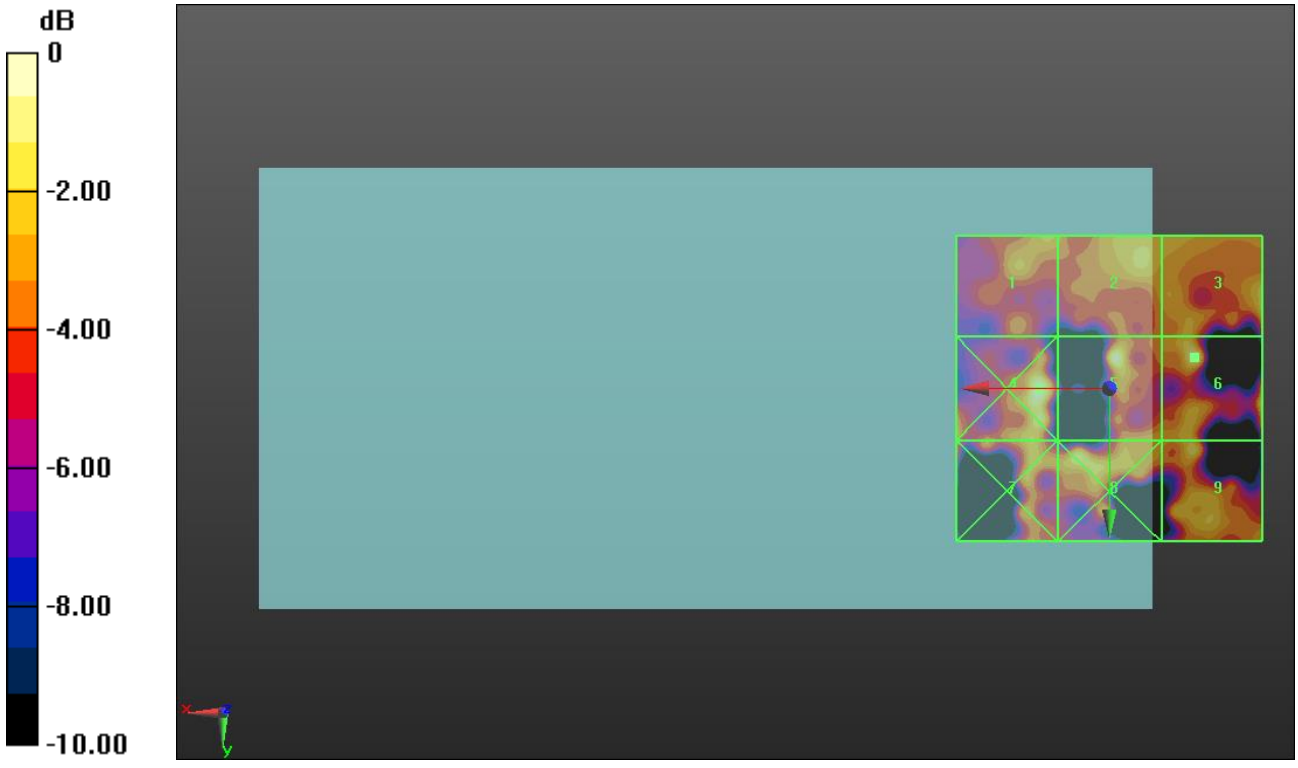
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 55340/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 = 2.923 V/m; Power Drift = -0.01 dB
Applied MIF = -1.44 dB
RF audio interference level = 11.54 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **9.5 dBV/m**	Grid 2 **M4** **10.06 dBV/m**	Grid 3 **M4** **10.51 dBV/m**
Grid 4 **M4** **11.89 dBV/m**	Grid 5 **M4** **11.47 dBV/m**	Grid 6 **M4** **11.54 dBV/m**
Grid 7 **M4** **9.94 dBV/m**	Grid 8 **M4** **10.78 dBV/m**	Grid 9 **M4** **10.35 dBV/m**



0 dB = 3.932 V/m = 11.89 dBV/m

HAC-RF Emission ANT 4

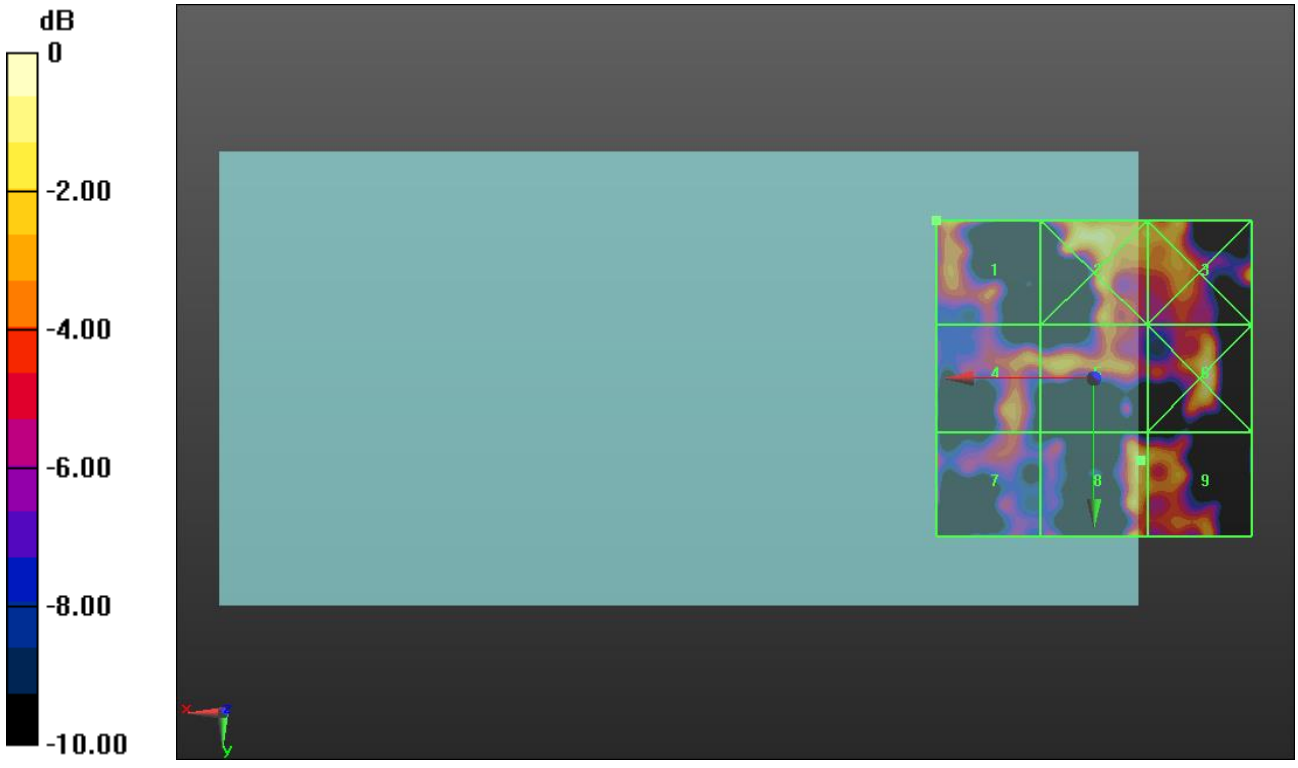
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 55773/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 = 2.979 V/m; Power Drift = 0.13 dB
Applied MIF = -1.44 dB
RF audio interference level = 10.82 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **10.53 dBV/m**	Grid 2 **M4** **11.11 dBV/m**	Grid 3 **M4** **10.65 dBV/m**
Grid 4 **M4** **9.16 dBV/m**	Grid 5 **M4** **9.94 dBV/m**	Grid 6 **M4** **12.15 dBV/m**
Grid 7 **M4** **9.62 dBV/m**	Grid 8 **M4** **10.82 dBV/m**	Grid 9 **M4** **10.2 dBV/m**



0 dB = 4.051 V/m = 12.15 dBV/m

HAC-RF Emission ANT 4

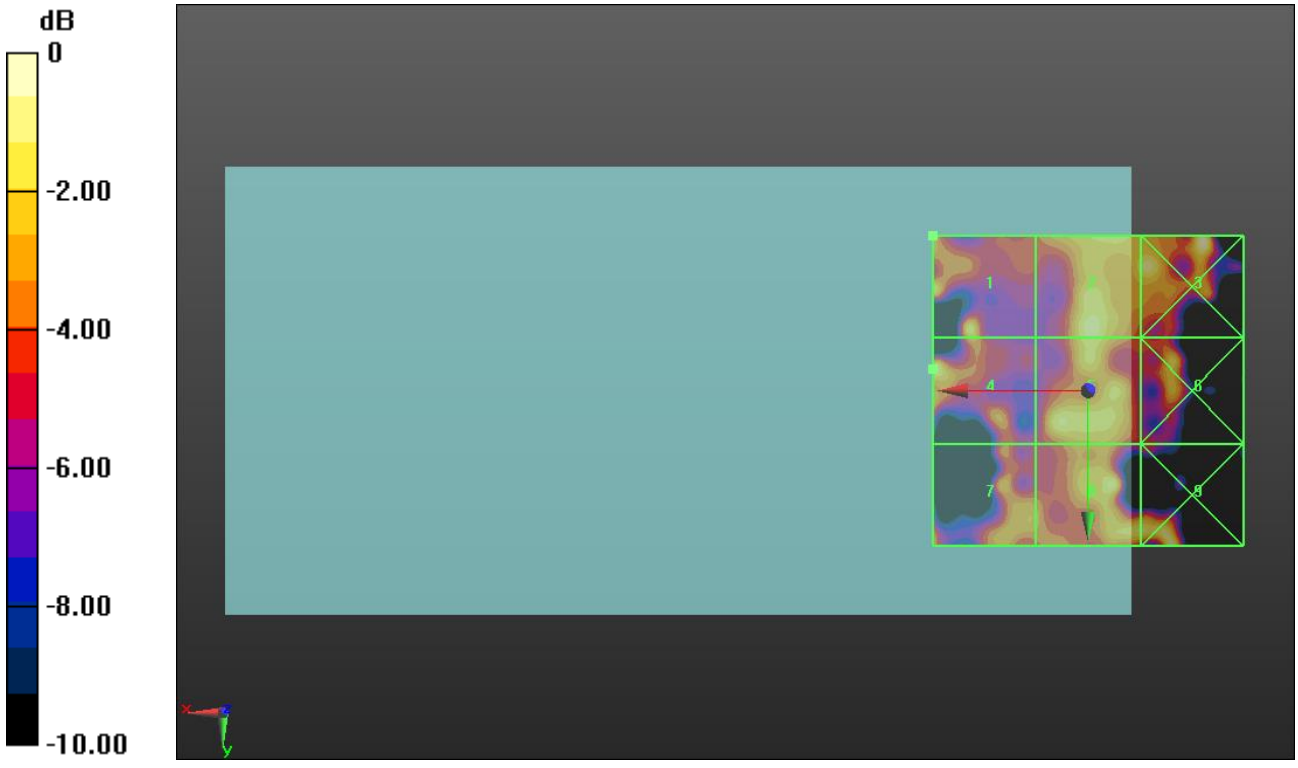
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 56207/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 = 3.239 V/m; Power Drift = 0.21 dB
Applied MIF = -1.44 dB
RF audio interference level = 9.14 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **8.56 dBV/m**	Grid 2 **M4** **8.97 dBV/m**	Grid 3 **M4** **9.95 dBV/m**
Grid 4 **M4** **9.14 dBV/m**	Grid 5 **M4** **8.74 dBV/m**	Grid 6 **M4** **8.35 dBV/m**
Grid 7 **M4** **7.32 dBV/m**	Grid 8 **M4** **8.8 dBV/m**	Grid 9 **M4** **9.29 dBV/m**



0 dB = 3.145 V/m = 9.95 dBV/m

HAC-RF Emission ANT 4

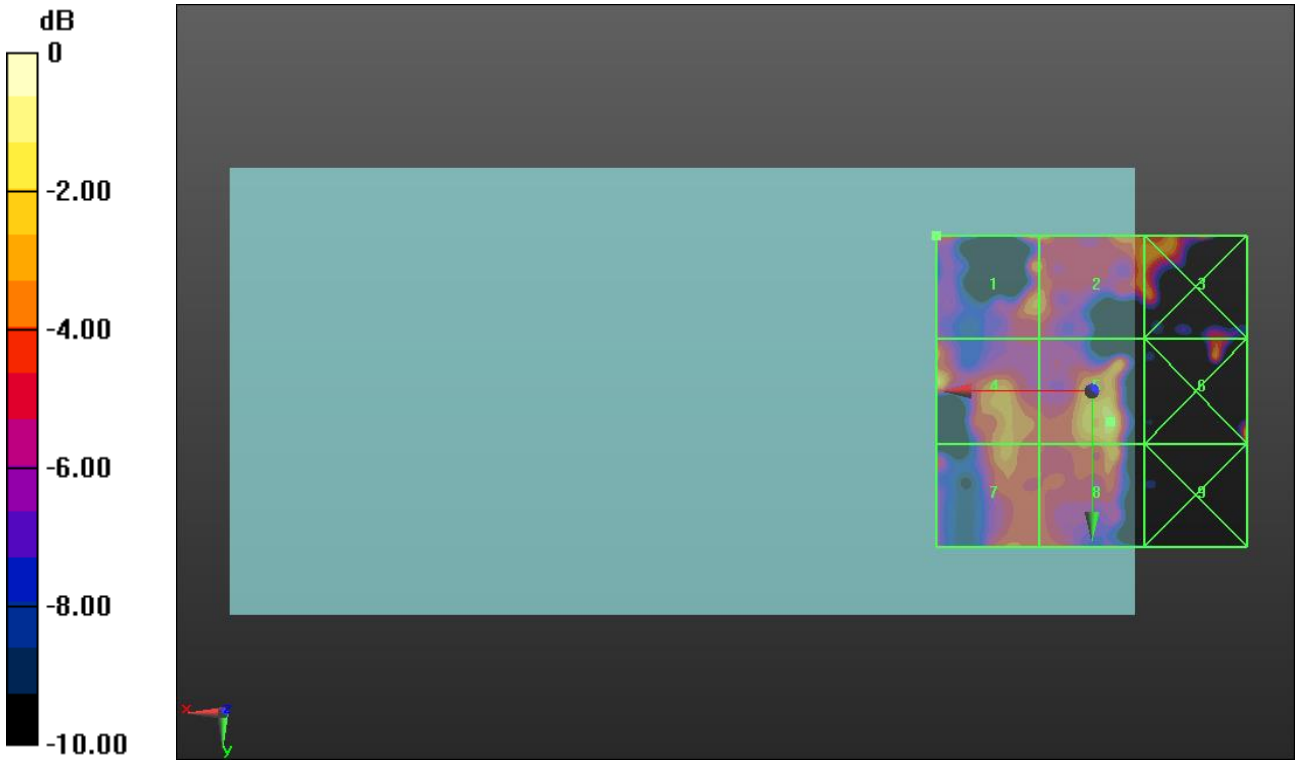
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

LTE Band 48_E-Field measurement/SC-FDMA RB 1/49 20 MHz 16QAM Ch. 56640/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 = 3.293 V/m; Power Drift = 0.02 dB
Applied MIF = -1.44 dB
RF audio interference level = 11.01 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **10.01 dBV/m**	Grid 2 **M4** **10.01 dBV/m**	Grid 3 **M4** **11.08 dBV/m**
Grid 4 **M4** **11 dBV/m**	Grid 5 **M4** **11.01 dBV/m**	Grid 6 **M4** **12.4 dBV/m**
Grid 7 **M4** **9.35 dBV/m**	Grid 8 **M4** **9.71 dBV/m**	Grid 9 **M4** **10.62 dBV/m**



0 dB = 4.170 V/m = 12.40 dBV/m