HAC-RF Emission ANT 1

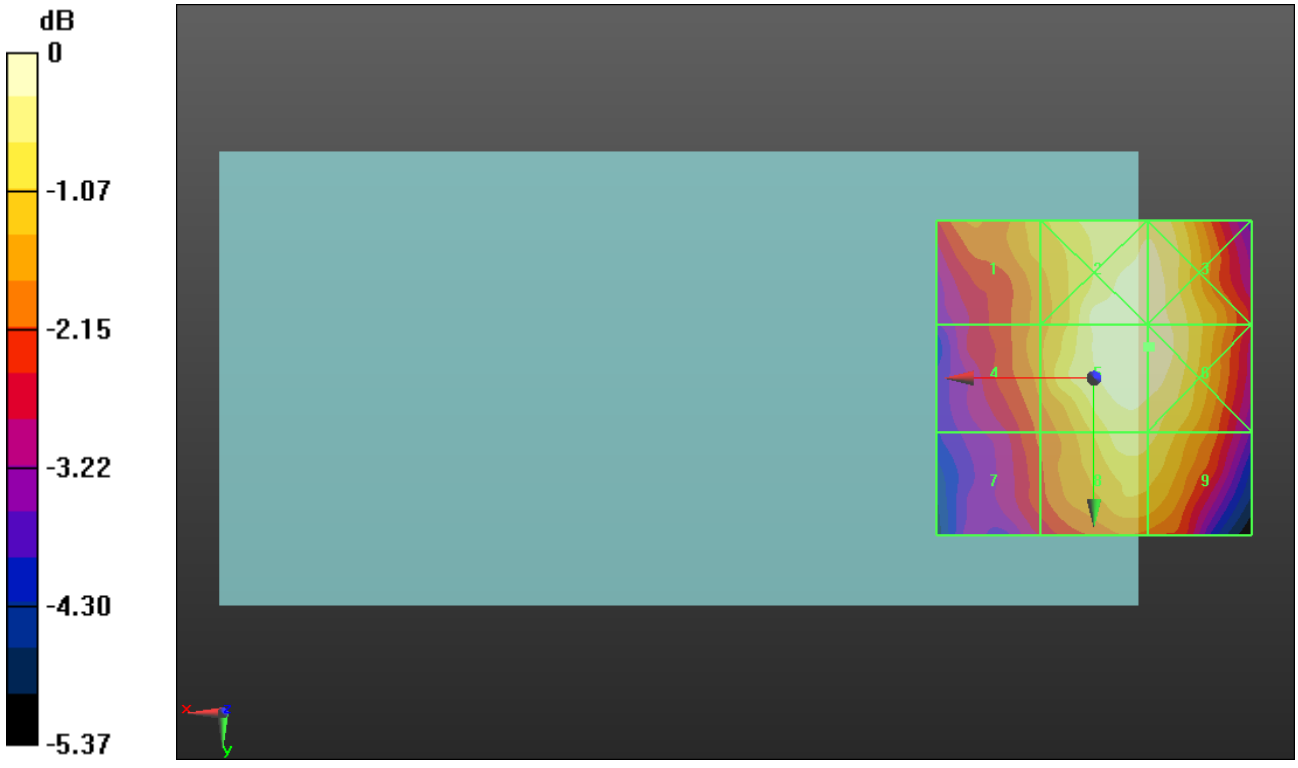
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 13.02 V/m; Power Drift = 0.04 dB
Applied MIF = 3.63 dB
RF audio interference level = 24.10 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **22.92 dBV/m**	Grid 2 **M4** **23.96 dBV/m**	Grid 3 **M4** **23.96 dBV/m**
Grid 4 **M4** **22.62 dBV/m**	Grid 5 **M4** **24.1 dBV/m**	Grid 6 **M4** **24.11 dBV/m**
Grid 7 **M4** **22.06 dBV/m**	Grid 8 **M4** **23.67 dBV/m**	Grid 9 **M4** **23.53 dBV/m**



0 dB = 16.04 V/m = 24.10 dBV/m

HAC-RF Emission ANT 1

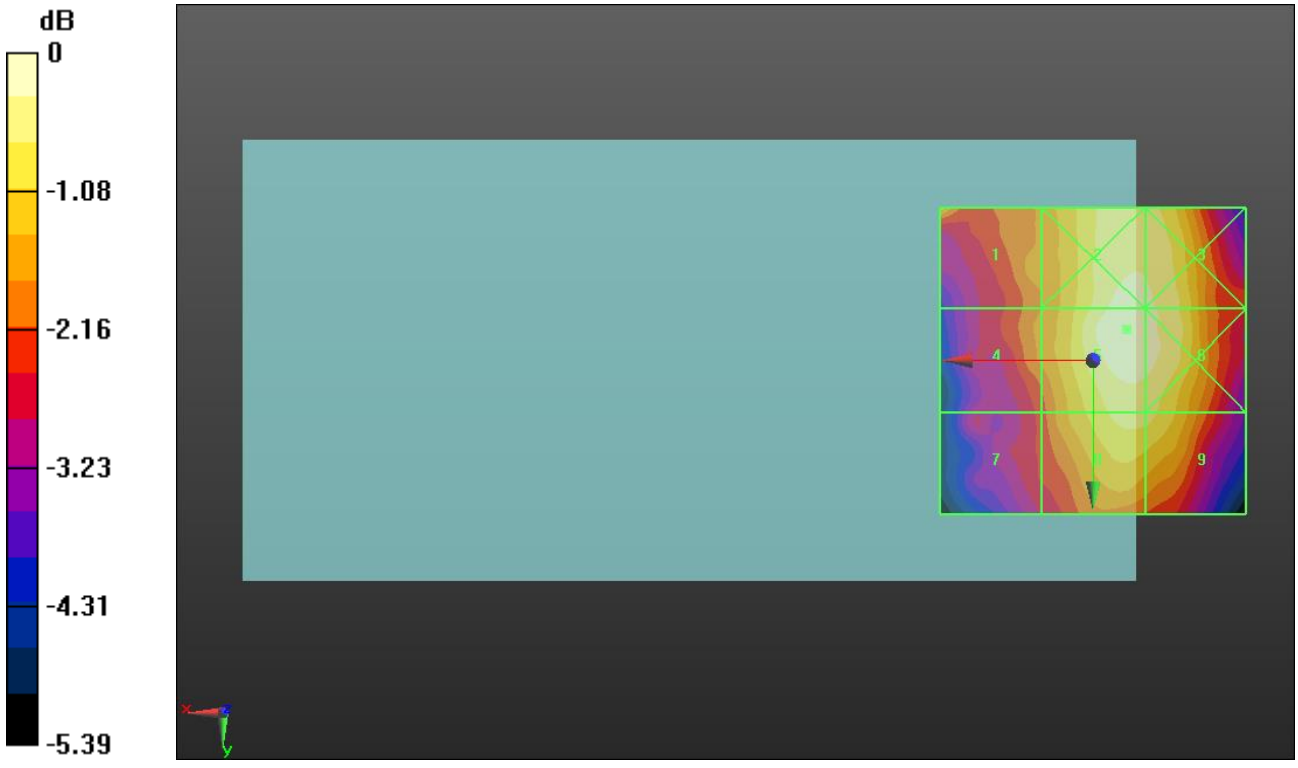
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 13.28 V/m; Power Drift = -0.06 dB
Applied MIF = 3.63 dB
RF audio interference level = 24.31 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.29 dBV/m**	Grid 2 **M4** **24.14 dBV/m**	Grid 3 **M4** **24.08 dBV/m**
Grid 4 **M4** **22.66 dBV/m**	Grid 5 **M4** **24.31 dBV/m**	Grid 6 **M4** **24.14 dBV/m**
Grid 7 **M4** **21.99 dBV/m**	Grid 8 **M4** **23.75 dBV/m**	Grid 9 **M4** **23.72 dBV/m**



0 dB = 16.43 V/m = 24.31 dBV/m

HAC-RF Emission ANT 1

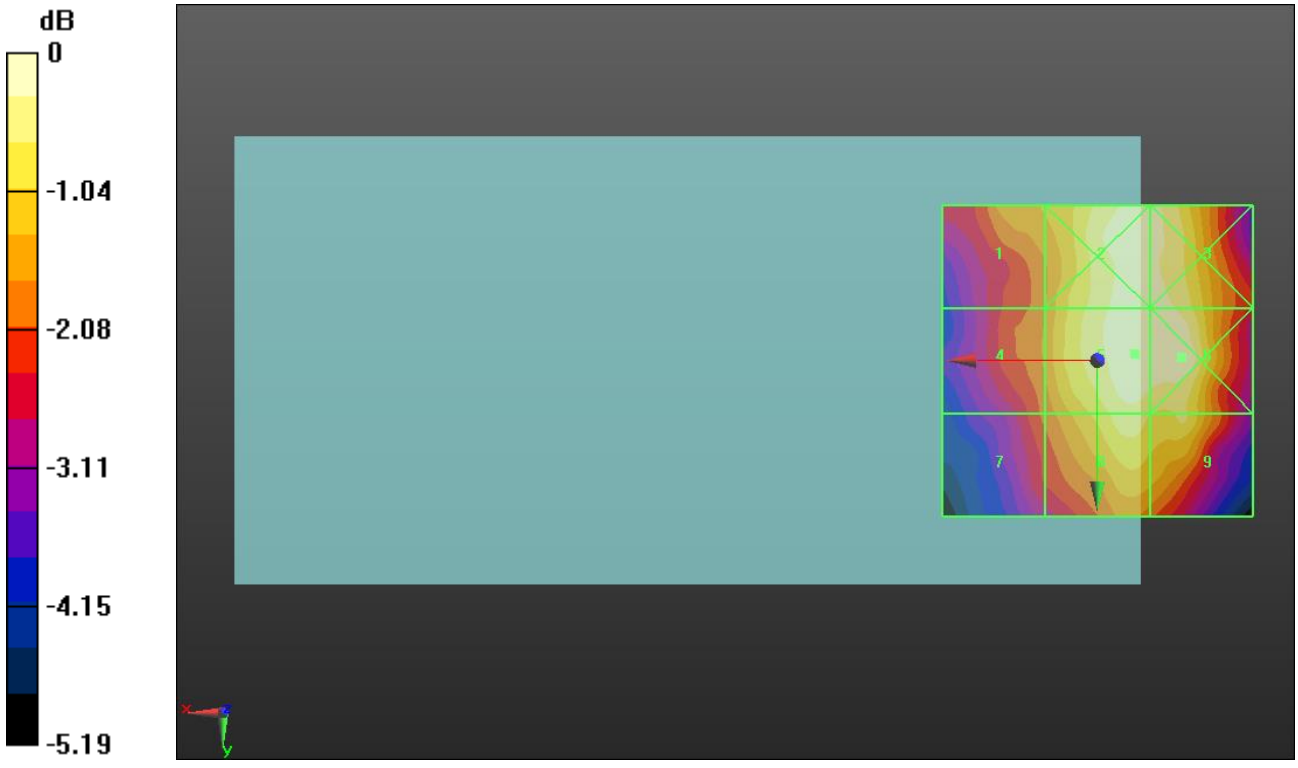
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 12.89 V/m; Power Drift = -0.13 dB
Applied MIF = 3.63 dB
RF audio interference level = 23.91 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **22.64 dBV/m**	Grid 2 **M4** **23.85 dBV/m**	Grid 3 **M4** **23.81 dBV/m**
Grid 4 **M4** **22.34 dBV/m**	Grid 5 **M4** **23.91 dBV/m**	Grid 6 **M4** **23.98 dBV/m**
Grid 7 **M4** **22.02 dBV/m**	Grid 8 **M4** **23.57 dBV/m**	Grid 9 **M4** **23.36 dBV/m**



0 dB = 15.81 V/m = 23.98 dBV/m

HAC-RF Emission ANT 1

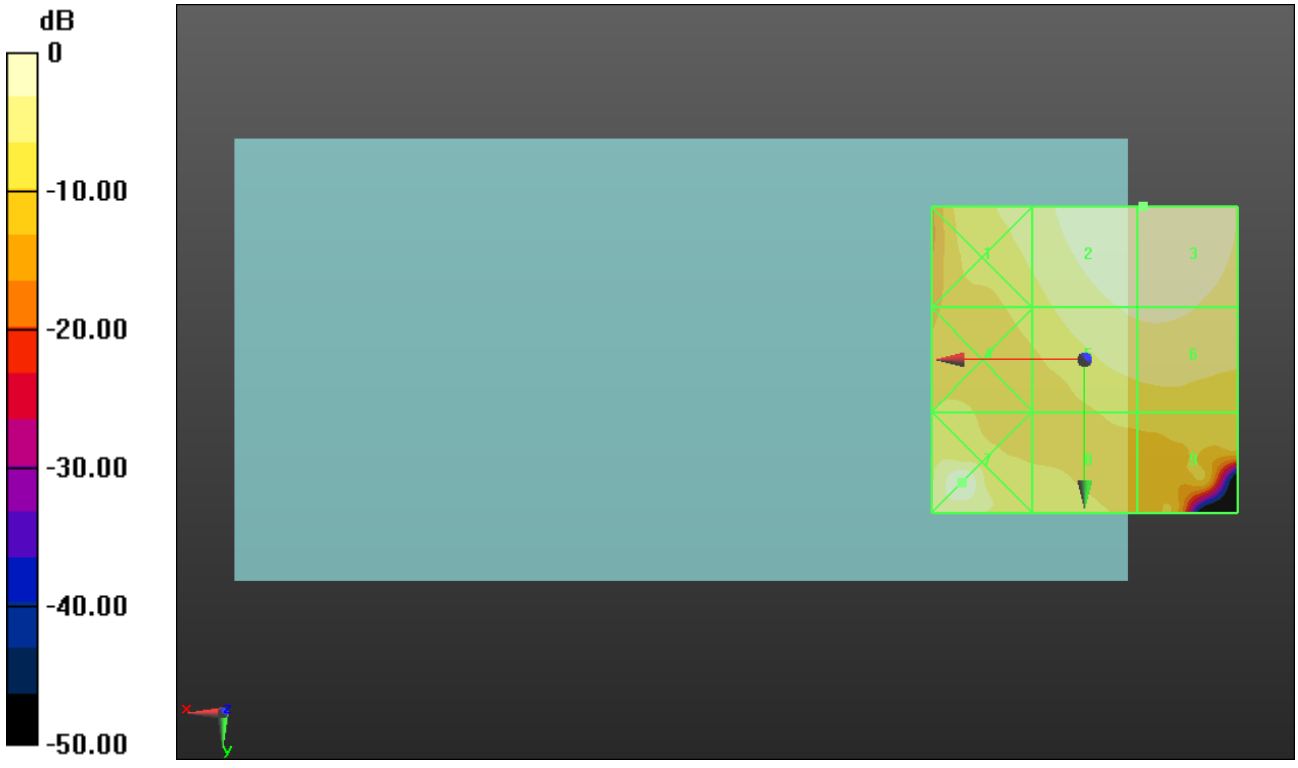
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 14.85 V/m; Power Drift = 1.34 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.74 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **29.72 dBV/m**	Grid 2 **M3** **33.73 dBV/m**	Grid 3 **M3** **33.74 dBV/m**
Grid 4 **M4** **26.14 dBV/m**	Grid 5 **M3** **31.39 dBV/m**	Grid 6 **M3** **31.54 dBV/m**
Grid 7 **M3** **34.28 dBV/m**	Grid 8 **M4** **26.5 dBV/m**	Grid 9 **M4** **26.69 dBV/m**



0 dB = 51.74 V/m = 34.28 dBV/m

HAC-RF Emission ANT 1

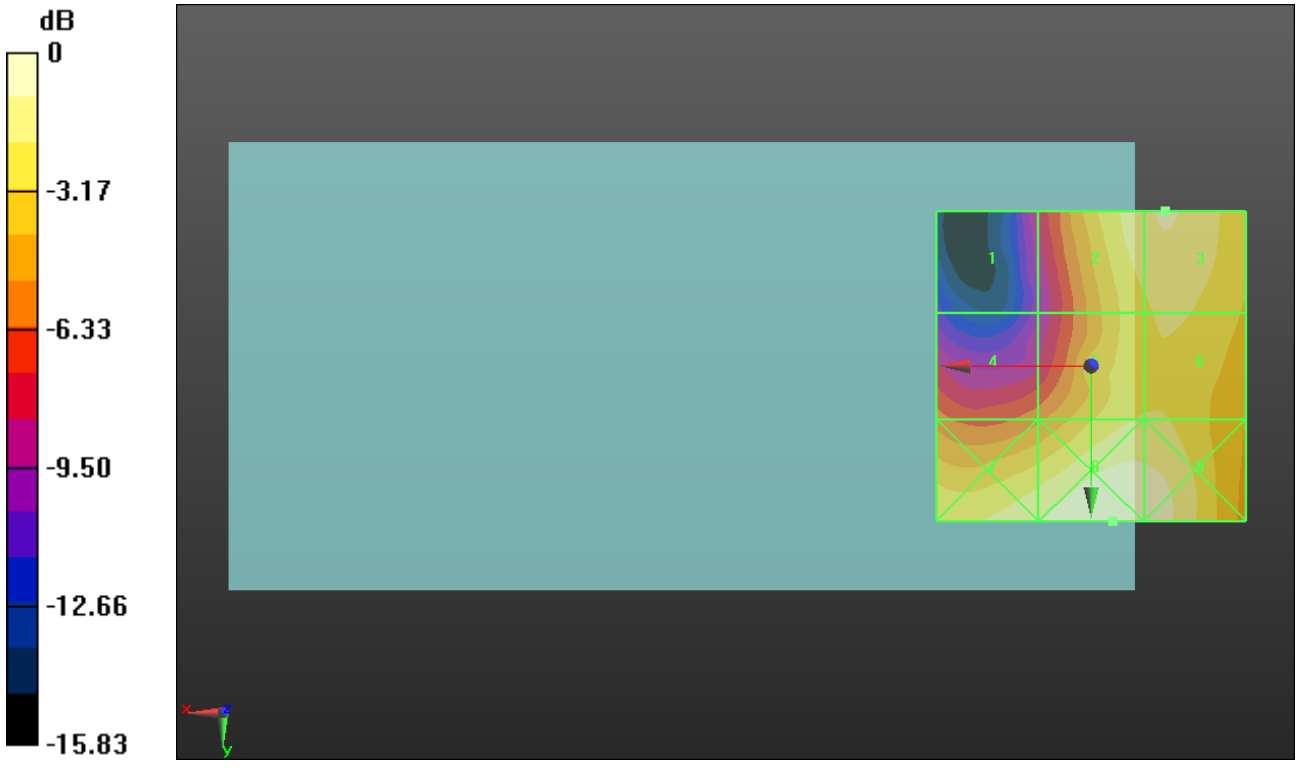
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 15.63 V/m; Power Drift = 0.67 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.68 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **22.55 dBV/m**	Grid 2 **M4** **29.4 dBV/m**	Grid 3 **M4** **29.68 dBV/m**
Grid 4 **M4** **25.11 dBV/m**	Grid 5 **M4** **28.64 dBV/m**	Grid 6 **M4** **28.69 dBV/m**
Grid 7 **M4** **29.54 dBV/m**	Grid 8 **M3** **30.65 dBV/m**	Grid 9 **M3** **30.37 dBV/m**



0 dB = 34.06 V/m = 30.64 dBV/m

HAC-RF Emission ANT 1

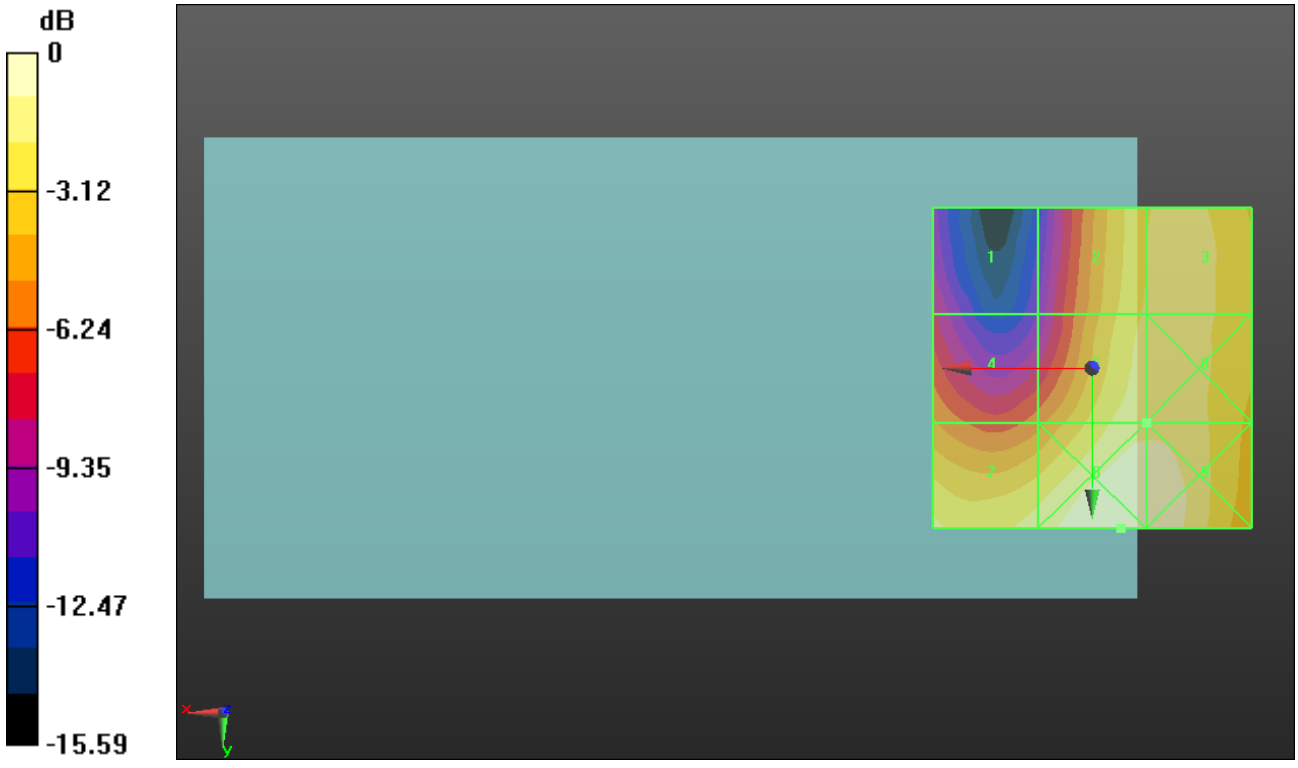
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 19.95 V/m; Power Drift = -0.00 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.28 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **23.64 dBV/m**	Grid 2 **M4** **29.63 dBV/m**	Grid 3 **M4** **29.97 dBV/m**
Grid 4 **M4** **26.59 dBV/m**	Grid 5 **M3** **30.28 dBV/m**	Grid 6 **M3** **30.33 dBV/m**
Grid 7 **M4** **29.97 dBV/m**	Grid 8 **M3** **31.55 dBV/m**	Grid 9 **M3** **31.41 dBV/m**



0 dB = 37.81 V/m = 31.55 dBV/m

HAC-RF Emission ANT 1

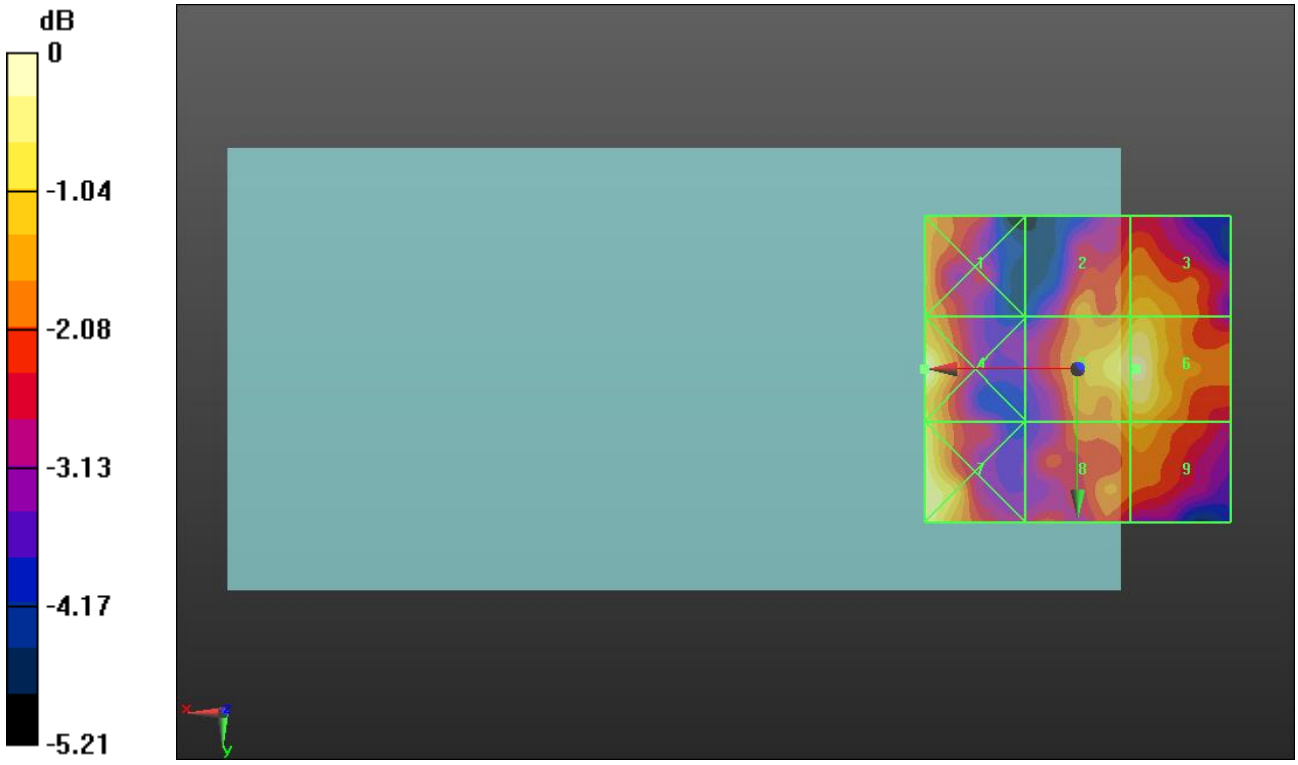
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 7.439 V/m; Power Drift = -0.05 dB
Applied MIF = -1.44 dB
RF audio interference level = 15.90 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **14.85 dBV/m**	Grid 2 **M4** **14.8 dBV/m**	Grid 3 **M4** **15.03 dBV/m**
Grid 4 **M4** **16.06 dBV/m**	Grid 5 **M4** **15.79 dBV/m**	Grid 6 **M4** **15.9 dBV/m**
Grid 7 **M4** **15.78 dBV/m**	Grid 8 **M4** **14.7 dBV/m**	Grid 9 **M4** **14.8 dBV/m**



0 dB = 6.354 V/m = 16.06 dBV/m

HAC-RF Emission ANT 1

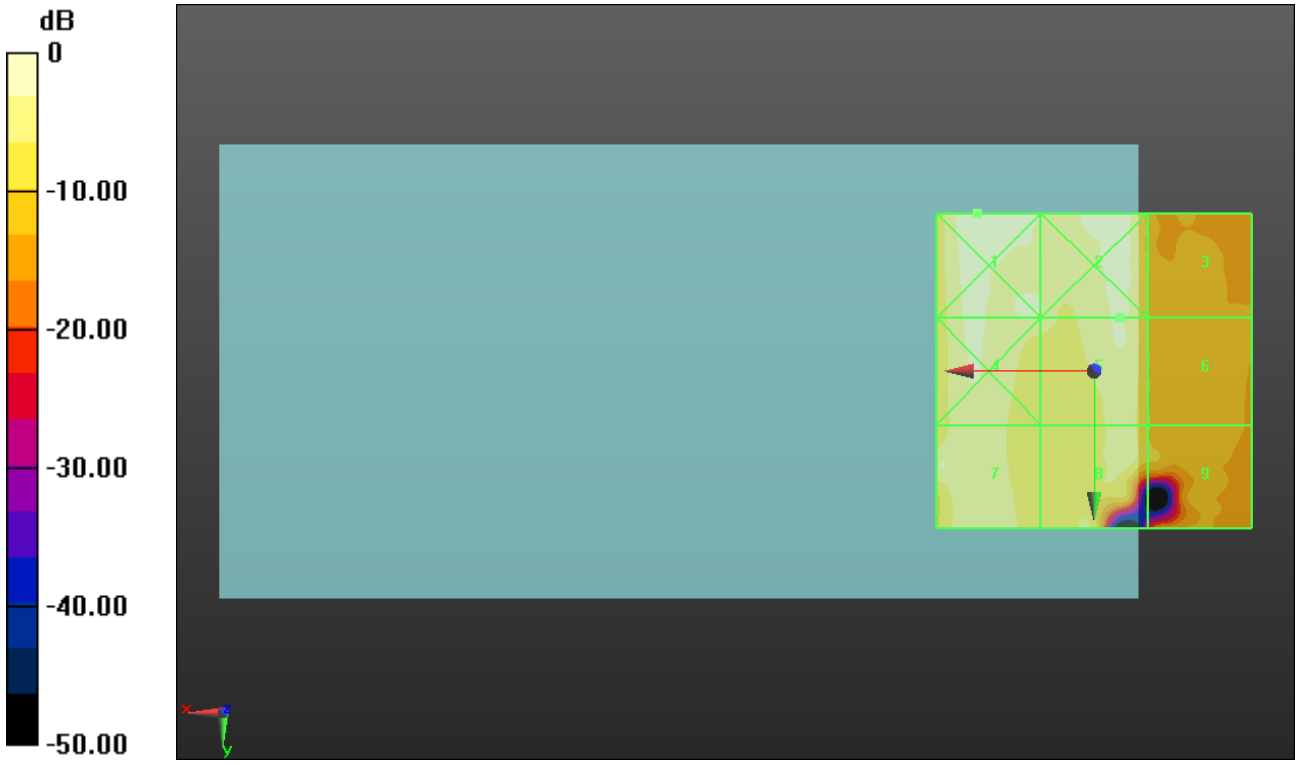
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 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 = 6.662 V/m; Power Drift = 0.18 dB
Applied MIF = -1.44 dB
RF audio interference level = 22.68 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.41 dBV/m**	Grid 2 **M4** **24.49 dBV/m**	Grid 3 **M4** **15.79 dBV/m**
Grid 4 **M4** **22.99 dBV/m**	Grid 5 **M4** **22.68 dBV/m**	Grid 6 **M4** **16.06 dBV/m**
Grid 7 **M4** **22.2 dBV/m**	Grid 8 **M4** **21 dBV/m**	Grid 9 **M4** **16.9 dBV/m**



0 dB = 18.65 V/m = 25.41 dBV/m

HAC-RF Emission ANT 1

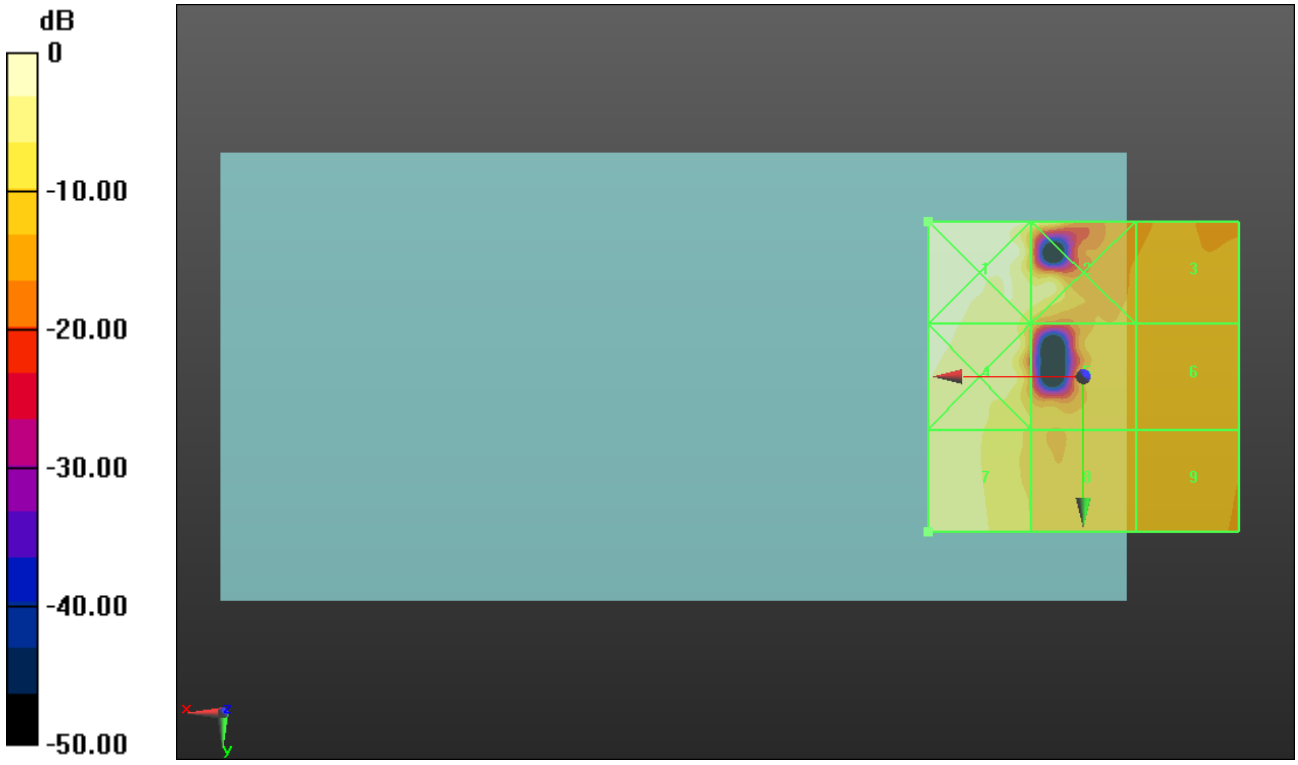
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 12.12 V/m; Power Drift = -5.72 dB
Applied MIF = -1.44 dB
RF audio interference level = 22.49 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **26.11 dBV/m**	Grid 2 **M4** **23.86 dBV/m**	Grid 3 **M4** **14.69 dBV/m**
Grid 4 **M4** **23.7 dBV/m**	Grid 5 **M4** **16.16 dBV/m**	Grid 6 **M4** **15.86 dBV/m**
Grid 7 **M4** **22.49 dBV/m**	Grid 8 **M4** **16.26 dBV/m**	Grid 9 **M4** **15.91 dBV/m**



0 dB = 20.20 V/m = 26.11 dBV/m

HAC-RF Emission ANT 1

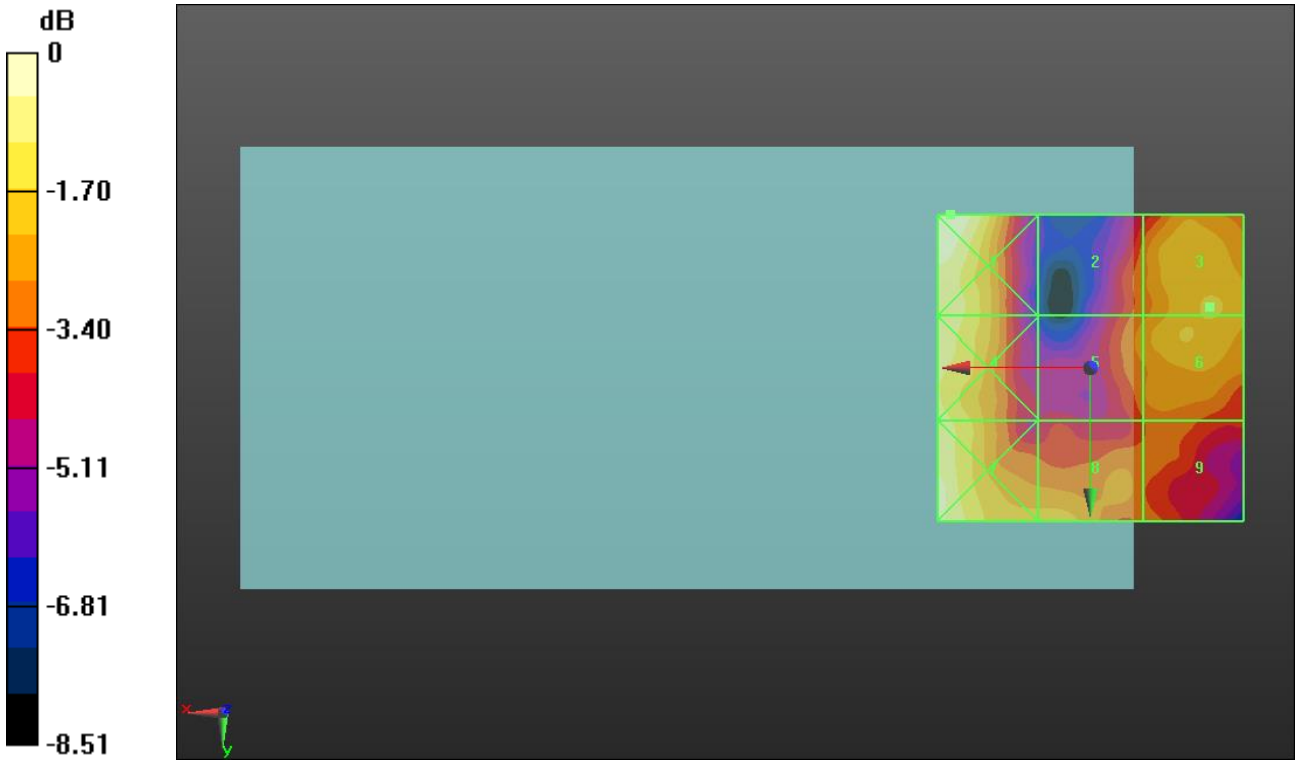
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 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 = 5.435 V/m; Power Drift = -0.31 dB
Applied MIF = -1.44 dB
RF audio interference level = 15.69 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **17.28 dBV/m**	Grid 2 **M4** **14.29 dBV/m**	Grid 3 **M4** **15.69 dBV/m**
Grid 4 **M4** **16.43 dBV/m**	Grid 5 **M4** **14.72 dBV/m**	Grid 6 **M4** **15.64 dBV/m**
Grid 7 **M4** **17.06 dBV/m**	Grid 8 **M4** **15.48 dBV/m**	Grid 9 **M4** **14.25 dBV/m**



0 dB = 7.308 V/m = 17.28 dBV/m

HAC-RF Emission ANT 1

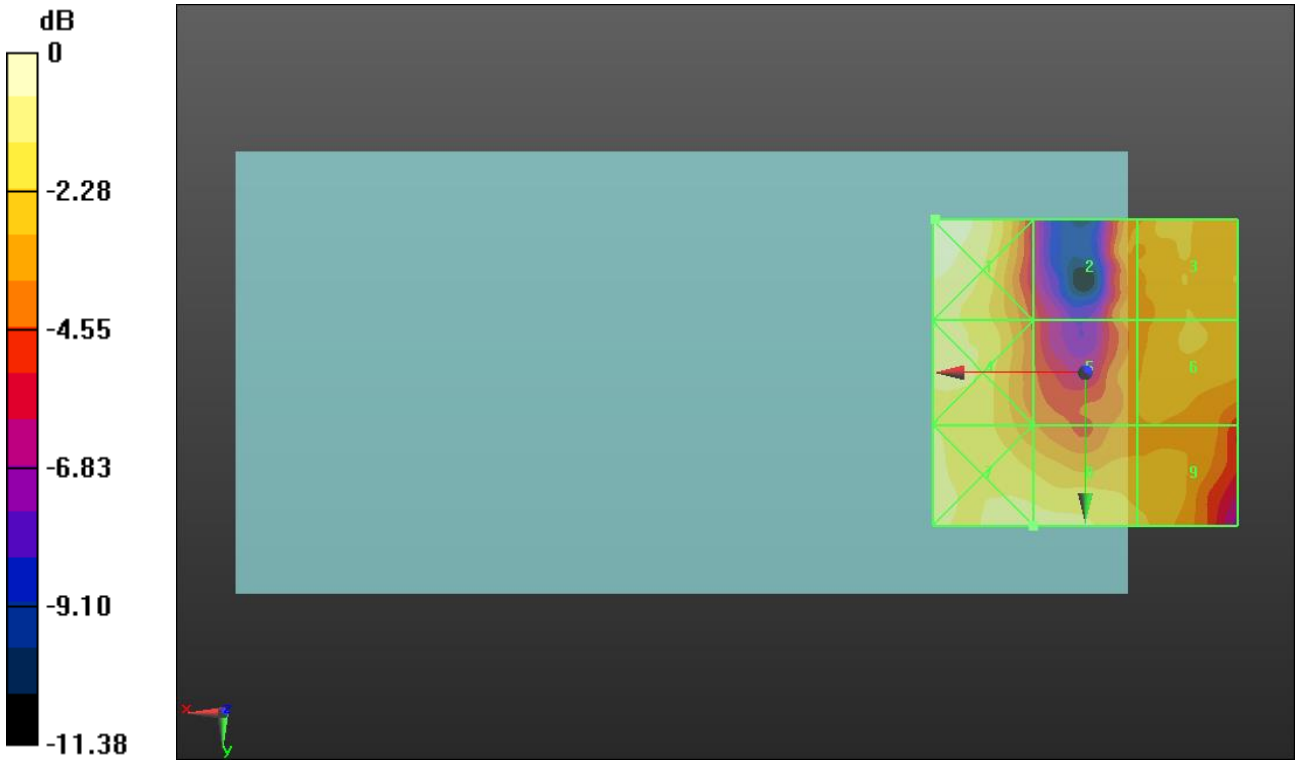
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 5.159 V/m; Power Drift = -1.13 dB
Applied MIF = -1.44 dB
RF audio interference level = 15.96 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **16.96 dBV/m**	Grid 2 **M4** **14.14 dBV/m**	Grid 3 **M4** **14.84 dBV/m**
Grid 4 **M4** **15.8 dBV/m**	Grid 5 **M4** **13.98 dBV/m**	Grid 6 **M4** **14.75 dBV/m**
Grid 7 **M4** **16.13 dBV/m**	Grid 8 **M4** **15.96 dBV/m**	Grid 9 **M4** **14.91 dBV/m**



0 dB = 7.047 V/m = 16.96 dBV/m

HAC-RF Emission ANT 1

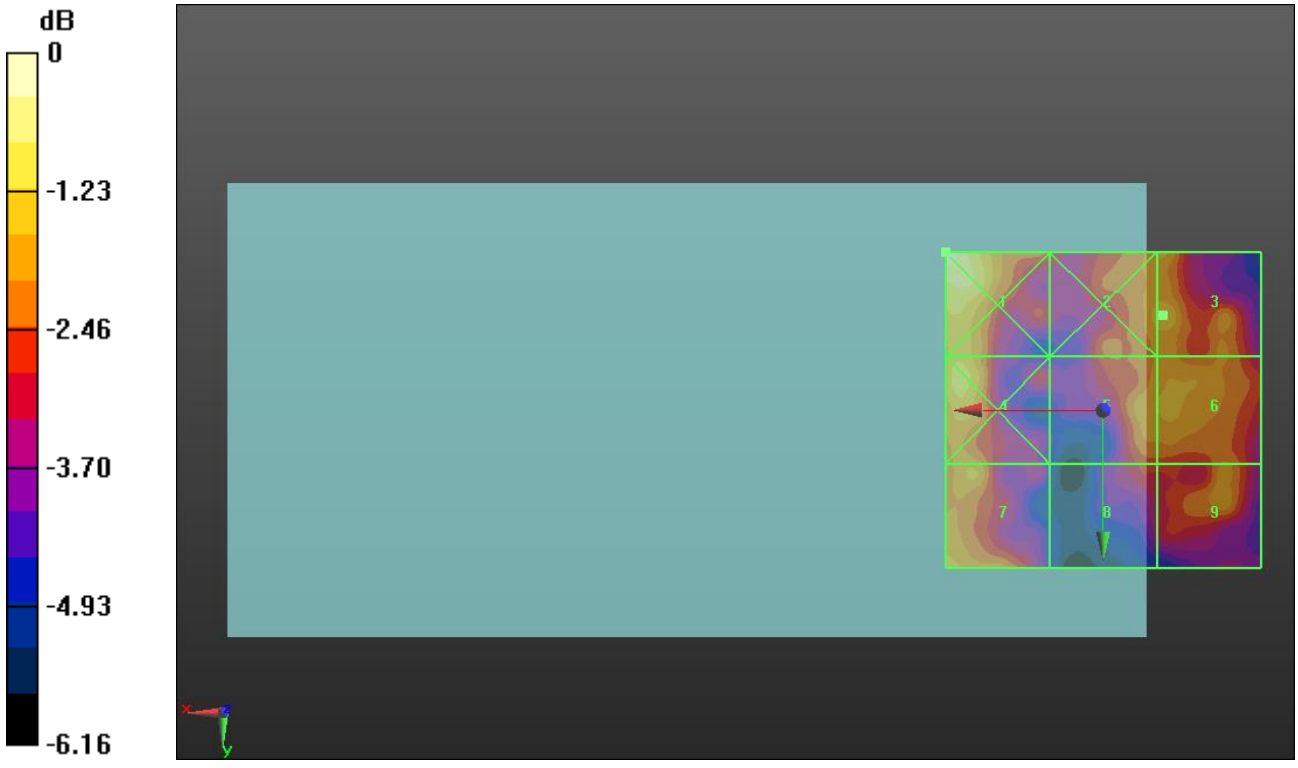
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 5.161 V/m; Power Drift = -2.00 dB
Applied MIF = -1.44 dB
RF audio interference level = 13.03 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **14.26 dBV/m**	Grid 2 **M4** **12.86 dBV/m**	Grid 3 **M4** **13.03 dBV/m**
Grid 4 **M4** **13.21 dBV/m**	Grid 5 **M4** **12.64 dBV/m**	Grid 6 **M4** **12.74 dBV/m**
Grid 7 **M4** **12.81 dBV/m**	Grid 8 **M4** **11.63 dBV/m**	Grid 9 **M4** **12.55 dBV/m**



0 dB = 5.163 V/m = 14.26 dBV/m

HAC-RF Emission ANT 1

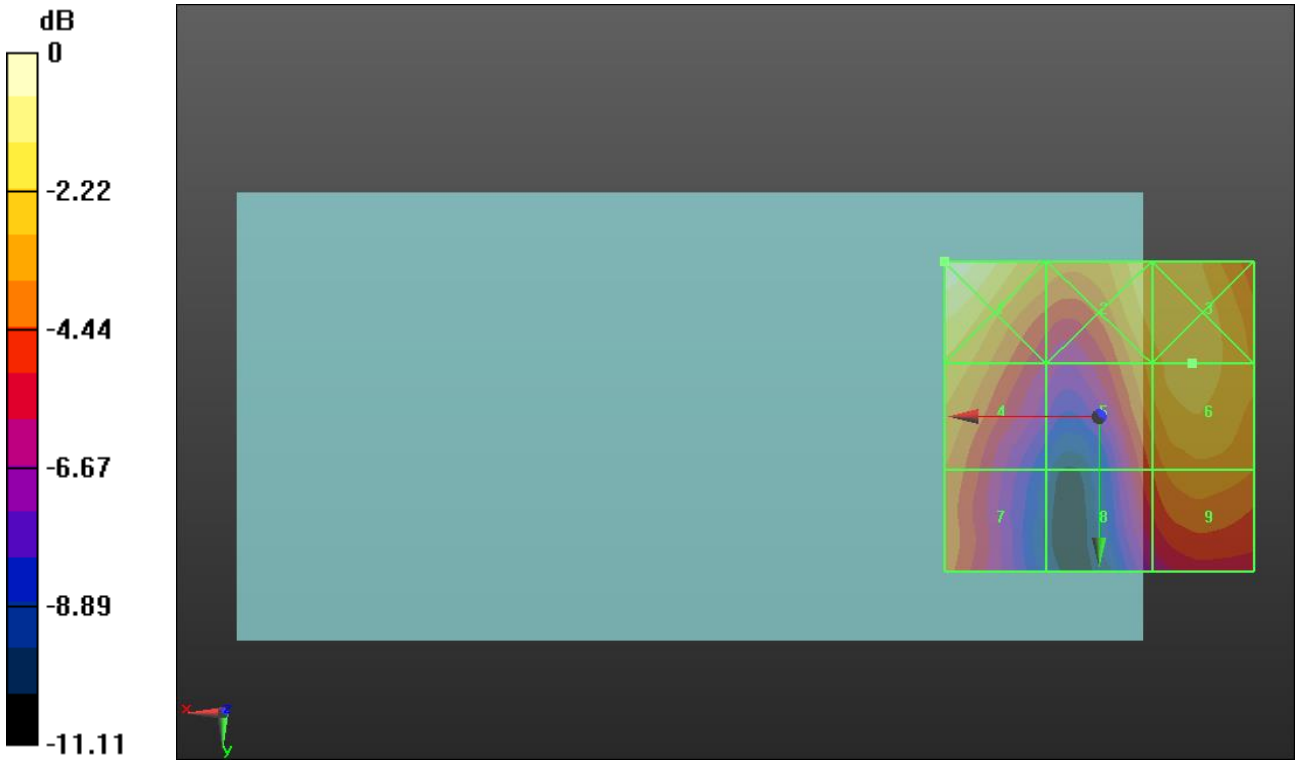
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 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 = 9.883 V/m; Power Drift = 0.05 dB
Applied MIF = -1.44 dB
RF audio interference level = 21.62 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.5 dBV/m**	Grid 2 **M4** **21.84 dBV/m**	Grid 3 **M4** **22.02 dBV/m**
Grid 4 **M4** **21.21 dBV/m**	Grid 5 **M4** **20.89 dBV/m**	Grid 6 **M4** **21.62 dBV/m**
Grid 7 **M4** **19.8 dBV/m**	Grid 8 **M4** **19.15 dBV/m**	Grid 9 **M4** **20.39 dBV/m**



0 dB = 14.96 V/m = 23.50 dBV/m

HAC-RF Emission ANT 1

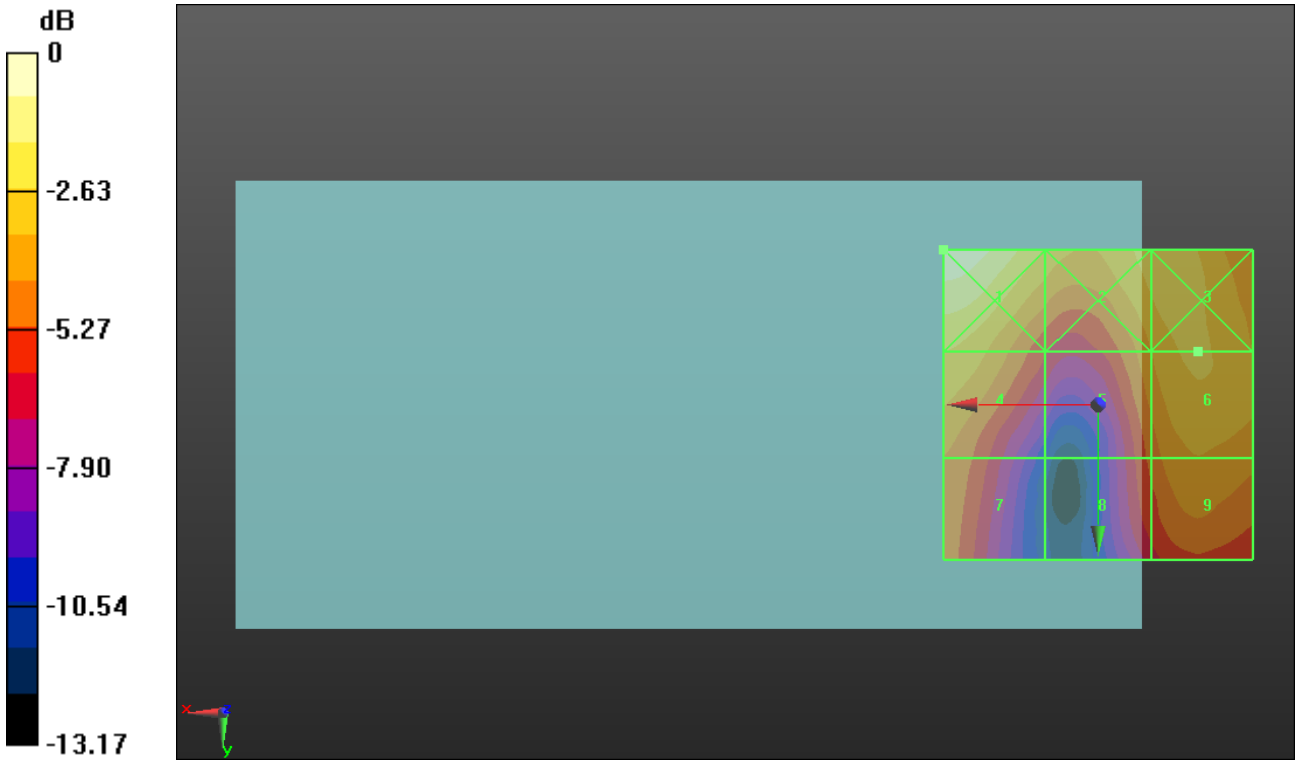
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 10.30 V/m; Power Drift = -0.26 dB
Applied MIF = -1.44 dB
RF audio interference level = 22.43 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.92 dBV/m**	Grid 2 **M4** **22.66 dBV/m**	Grid 3 **M4** **22.75 dBV/m**
Grid 4 **M4** **22.3 dBV/m**	Grid 5 **M4** **21.39 dBV/m**	Grid 6 **M4** **22.43 dBV/m**
Grid 7 **M4** **20.54 dBV/m**	Grid 8 **M4** **19.97 dBV/m**	Grid 9 **M4** **21.4 dBV/m**



0 dB = 17.63 V/m = 24.93 dBV/m

HAC-RF Emission ANT 1

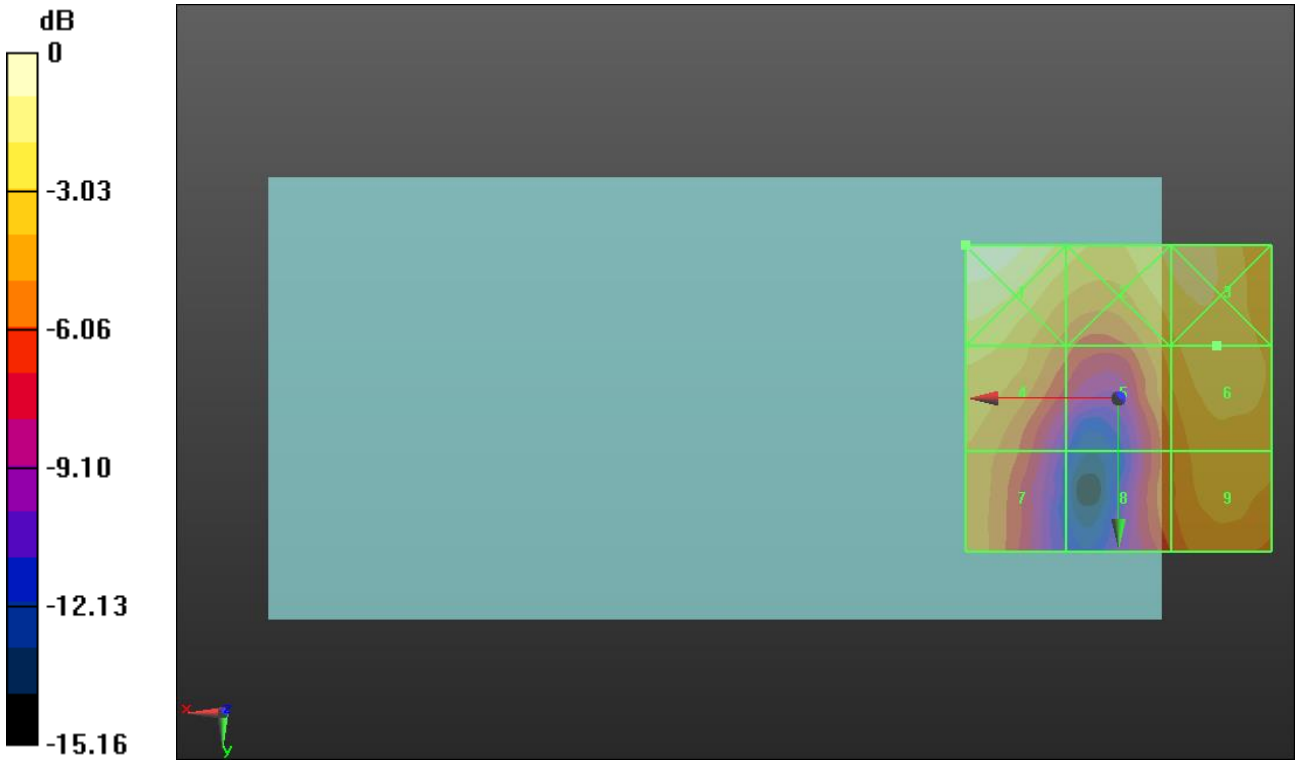
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 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 = 8.125 V/m; Power Drift = -0.23 dB
Applied MIF = -1.44 dB
RF audio interference level = 20.99 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.49 dBV/m**	Grid 2 **M4** **21.76 dBV/m**	Grid 3 **M4** **21.86 dBV/m**
Grid 4 **M4** **20.9 dBV/m**	Grid 5 **M4** **20.06 dBV/m**	Grid 6 **M4** **20.99 dBV/m**
Grid 7 **M4** **19.38 dBV/m**	Grid 8 **M4** **18.28 dBV/m**	Grid 9 **M4** **20.23 dBV/m**



0 dB = 14.95 V/m = 23.49 dBV/m

HAC-RF Emission ANT 1

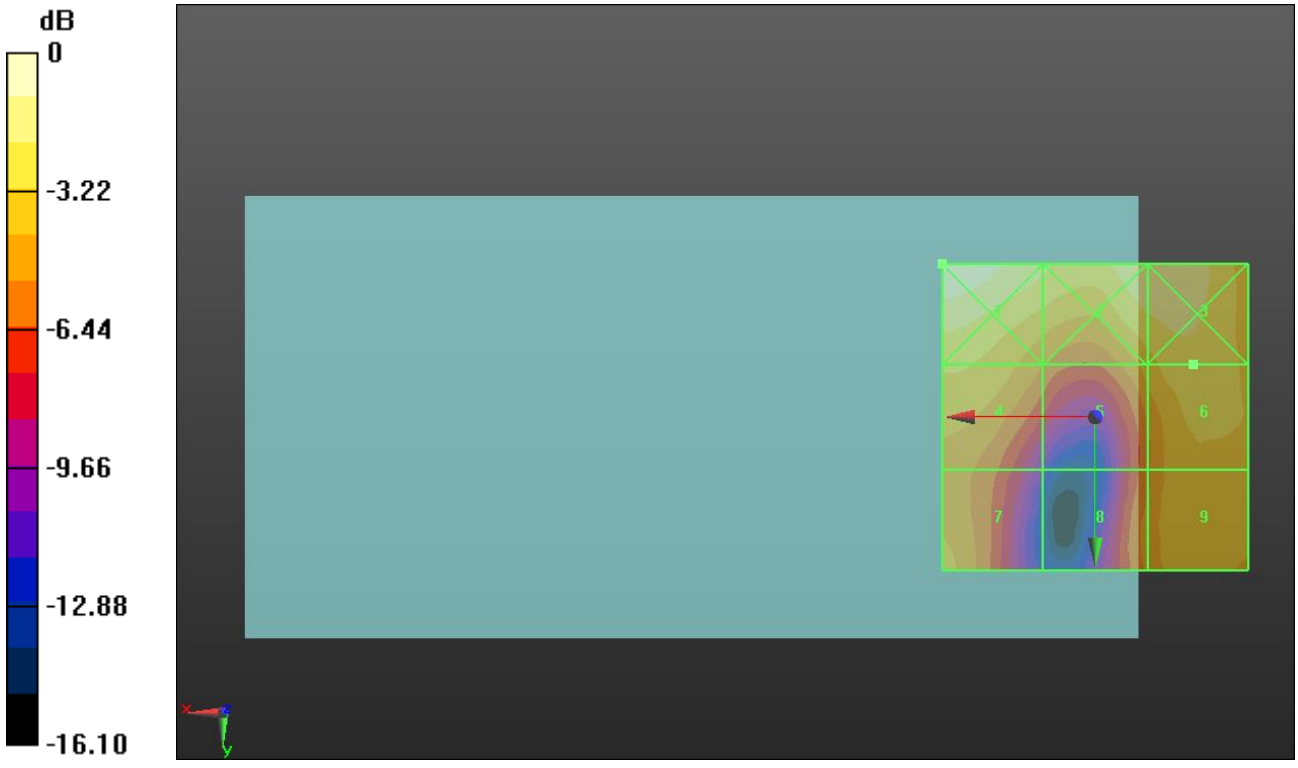
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:8.87156
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 8.839 V/m; Power Drift = -0.20 dB
Applied MIF = -1.44 dB
RF audio interference level = 21.83 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.41 dBV/m**	Grid 2 **M4** **23.18 dBV/m**	Grid 3 **M4** **23.3 dBV/m**
Grid 4 **M4** **21.41 dBV/m**	Grid 5 **M4** **20.67 dBV/m**	Grid 6 **M4** **21.83 dBV/m**
Grid 7 **M4** **20.46 dBV/m**	Grid 8 **M4** **19.46 dBV/m**	Grid 9 **M4** **21.2 dBV/m**



0 dB = 16.62 V/m = 24.41 dBV/m

HAC-RF Emission ANT 1

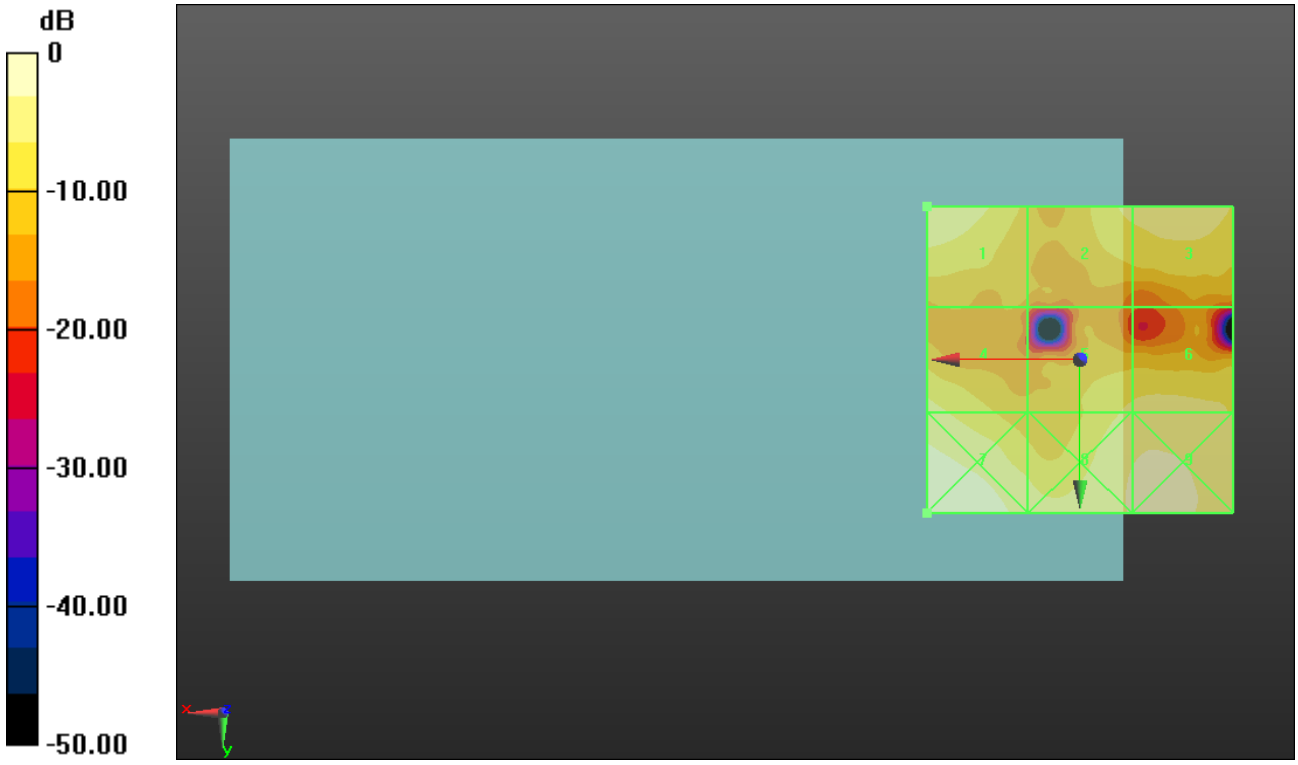
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 4.605 V/m; Power Drift = -1.99 dB
Applied MIF = -1.44 dB
RF audio interference level = 18.25 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **18.25 dBV/m**	Grid 2 **M4** **15.83 dBV/m**	Grid 3 **M4** **16.85 dBV/m**
Grid 4 **M4** **16.31 dBV/m**	Grid 5 **M4** **15.8 dBV/m**	Grid 6 **M4** **16.43 dBV/m**
Grid 7 **M4** **21.73 dBV/m**	Grid 8 **M4** **18.72 dBV/m**	Grid 9 **M4** **19.25 dBV/m**



0 dB = 12.20 V/m = 21.73 dBV/m

HAC-RF Emission ANT 1

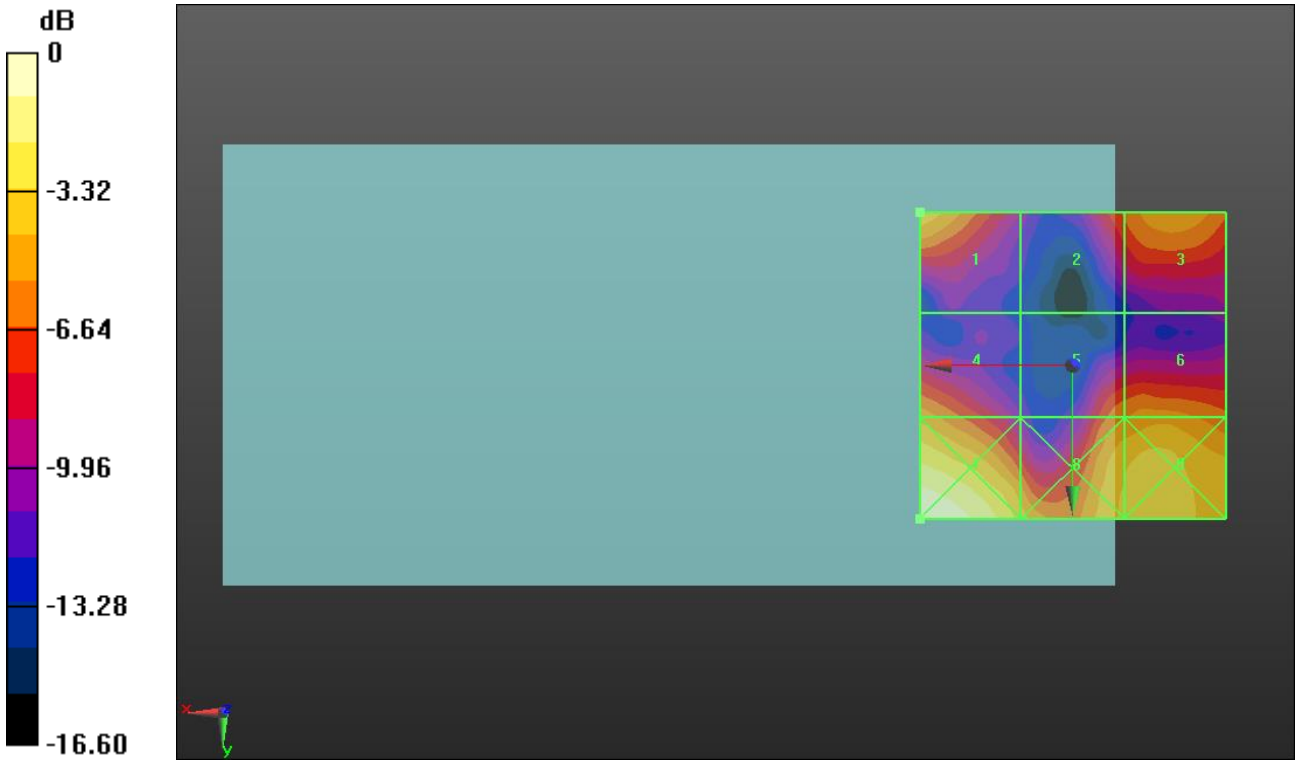
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 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 = 3.841 V/m; Power Drift = -0.65 dB
Applied MIF = -1.44 dB
RF audio interference level = 18.62 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **18.62 dBV/m**	Grid 2 **M4** **15.93 dBV/m**	Grid 3 **M4** **17.54 dBV/m**
Grid 4 **M4** **17.57 dBV/m**	Grid 5 **M4** **16.71 dBV/m**	Grid 6 **M4** **17.41 dBV/m**
Grid 7 **M4** **22.28 dBV/m**	Grid 8 **M4** **19.28 dBV/m**	Grid 9 **M4** **19.69 dBV/m**



0 dB = 13.00 V/m = 22.28 dBV/m

HAC-RF Emission ANT 1

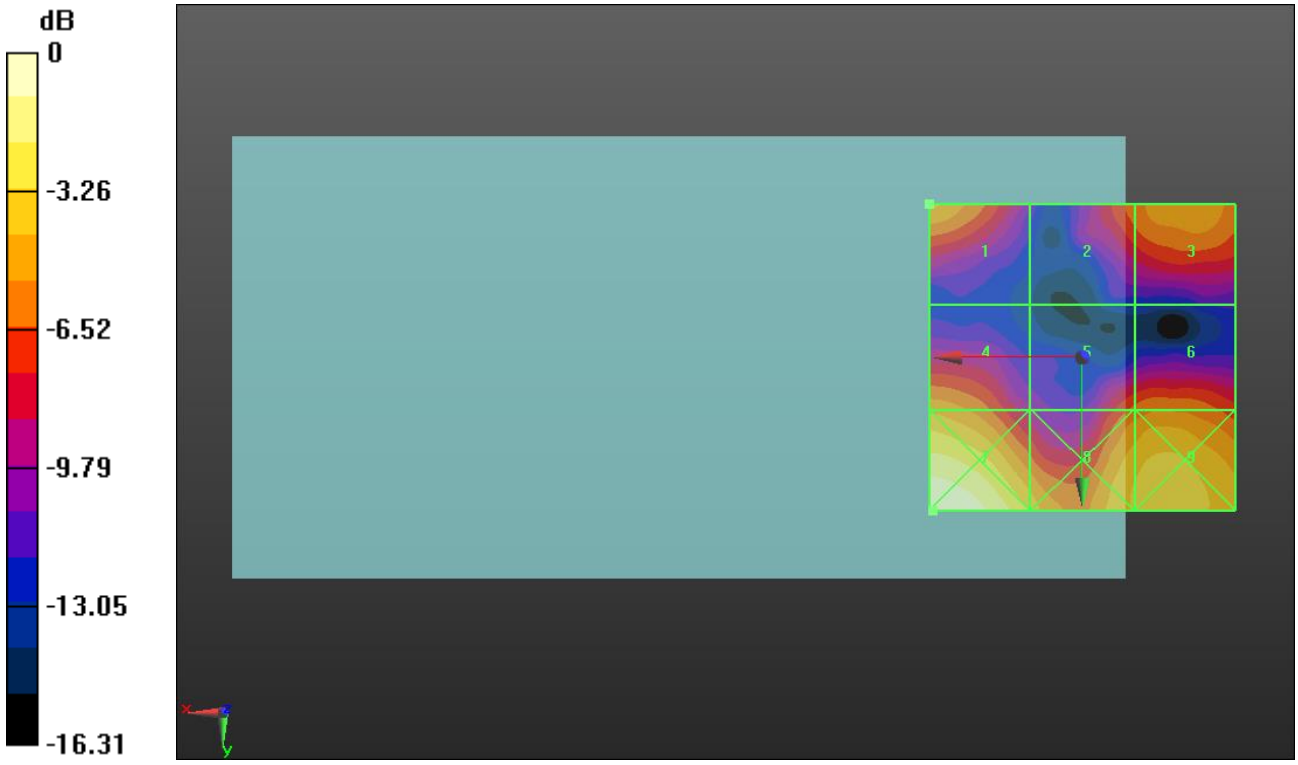
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 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 = 3.842 V/m; Power Drift = -0.59 dB
Applied MIF = -1.44 dB
RF audio interference level = 18.39 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **18.39 dBV/m**	Grid 2 **M4** **16.45 dBV/m**	Grid 3 **M4** **17.92 dBV/m**
Grid 4 **M4** **17.82 dBV/m**	Grid 5 **M4** **16.22 dBV/m**	Grid 6 **M4** **16.93 dBV/m**
Grid 7 **M4** **22.4 dBV/m**	Grid 8 **M4** **19.32 dBV/m**	Grid 9 **M4** **20.03 dBV/m**



0 dB = 13.19 V/m = 22.40 dBV/m

HAC-RF Emission ANT 1

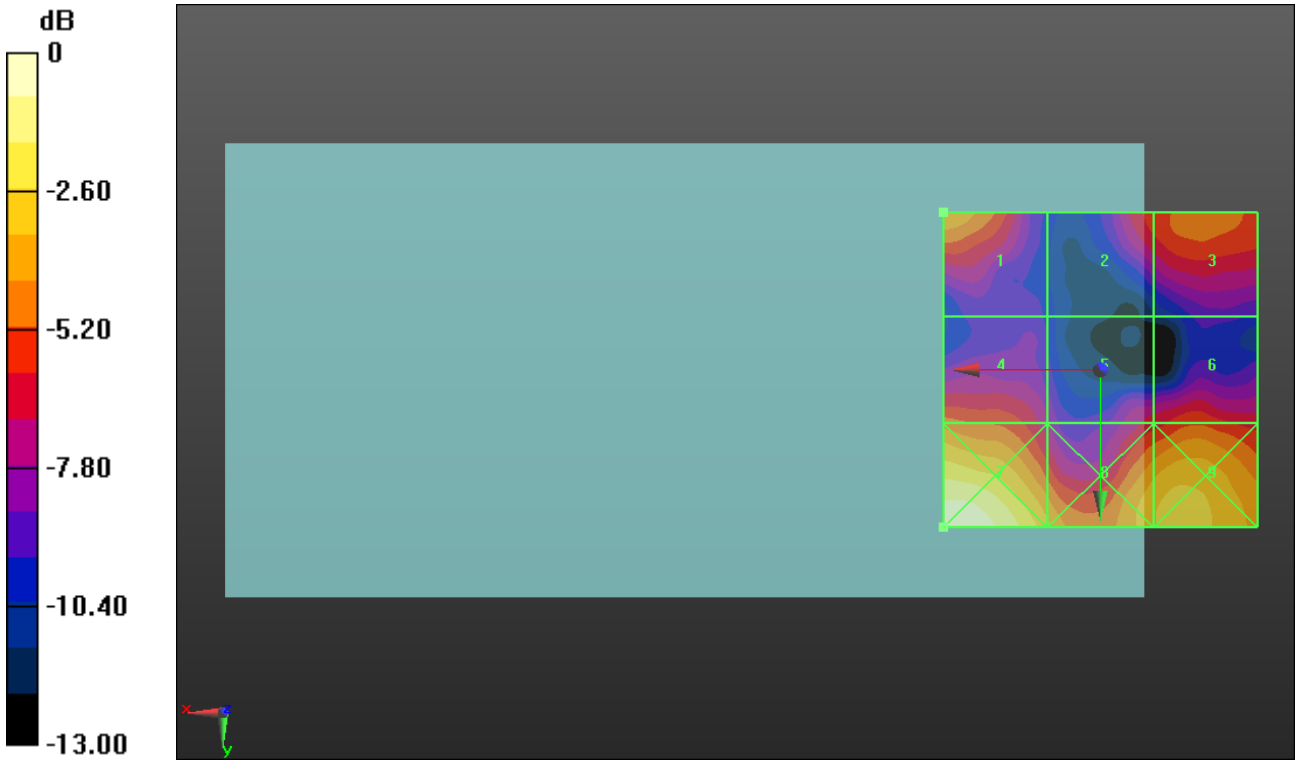
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 4.142 V/m; Power Drift = -1.53 dB
Applied MIF = -1.44 dB
RF audio interference level = 18.70 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **18.7 dBV/m**	Grid 2 **M4** **16.37 dBV/m**	Grid 3 **M4** **17.66 dBV/m**
Grid 4 **M4** **17.43 dBV/m**	Grid 5 **M4** **15.73 dBV/m**	Grid 6 **M4** **16.83 dBV/m**
Grid 7 **M4** **22.1 dBV/m**	Grid 8 **M4** **19.46 dBV/m**	Grid 9 **M4** **19.96 dBV/m**



0 dB = 12.74 V/m = 22.10 dBV/m

HAC-RF Emission ANT 2

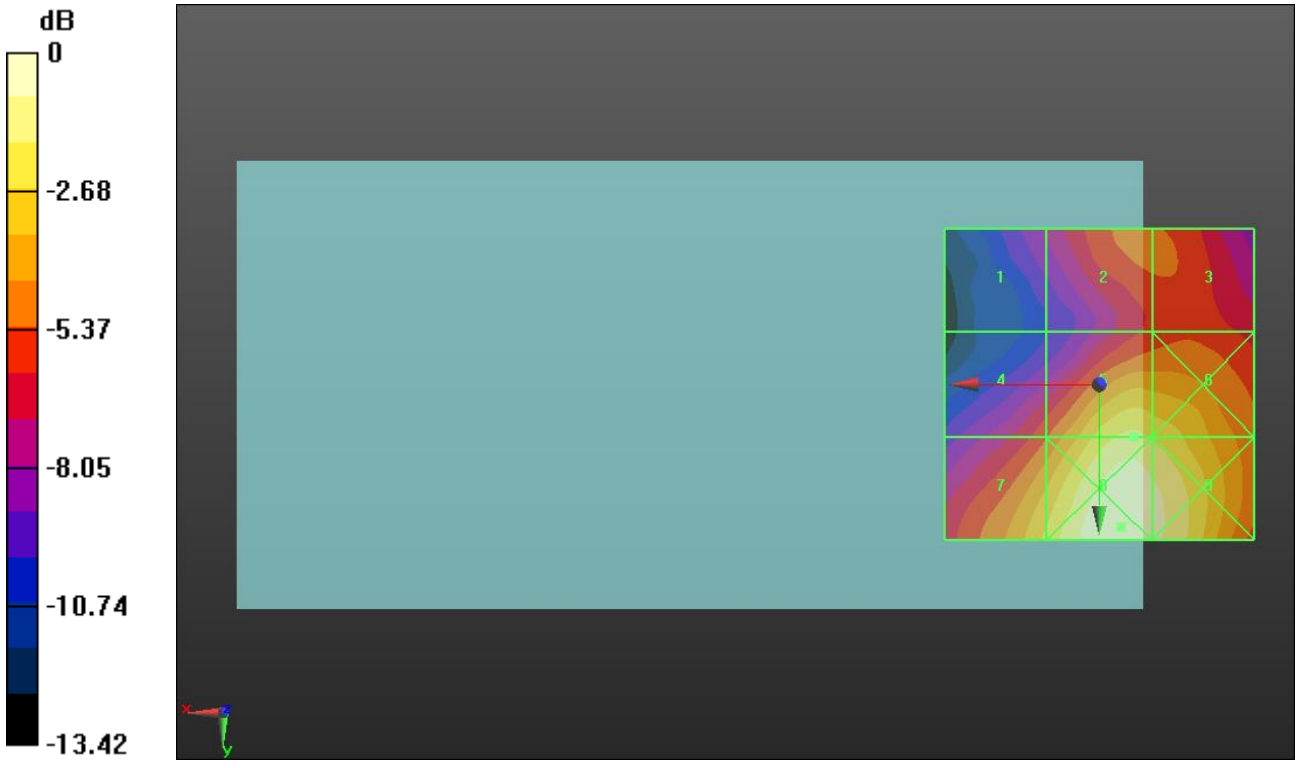
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 29.98 V/m; Power Drift = 0.07 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.61 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.31 dBV/m**	Grid 2 **M4** **28.06 dBV/m**	Grid 3 **M4** **28.04 dBV/m**
Grid 4 **M4** **27.76 dBV/m**	Grid 5 **M4** **31.61 dBV/m**	Grid 6 **M4** **31.28 dBV/m**
Grid 7 **M4** **30.71 dBV/m**	Grid 8 **M4** **33.15 dBV/m**	Grid 9 **M4** **32.66 dBV/m**



0 dB = 45.43 V/m = 33.15 dBV/m

HAC-RF Emission ANT 2

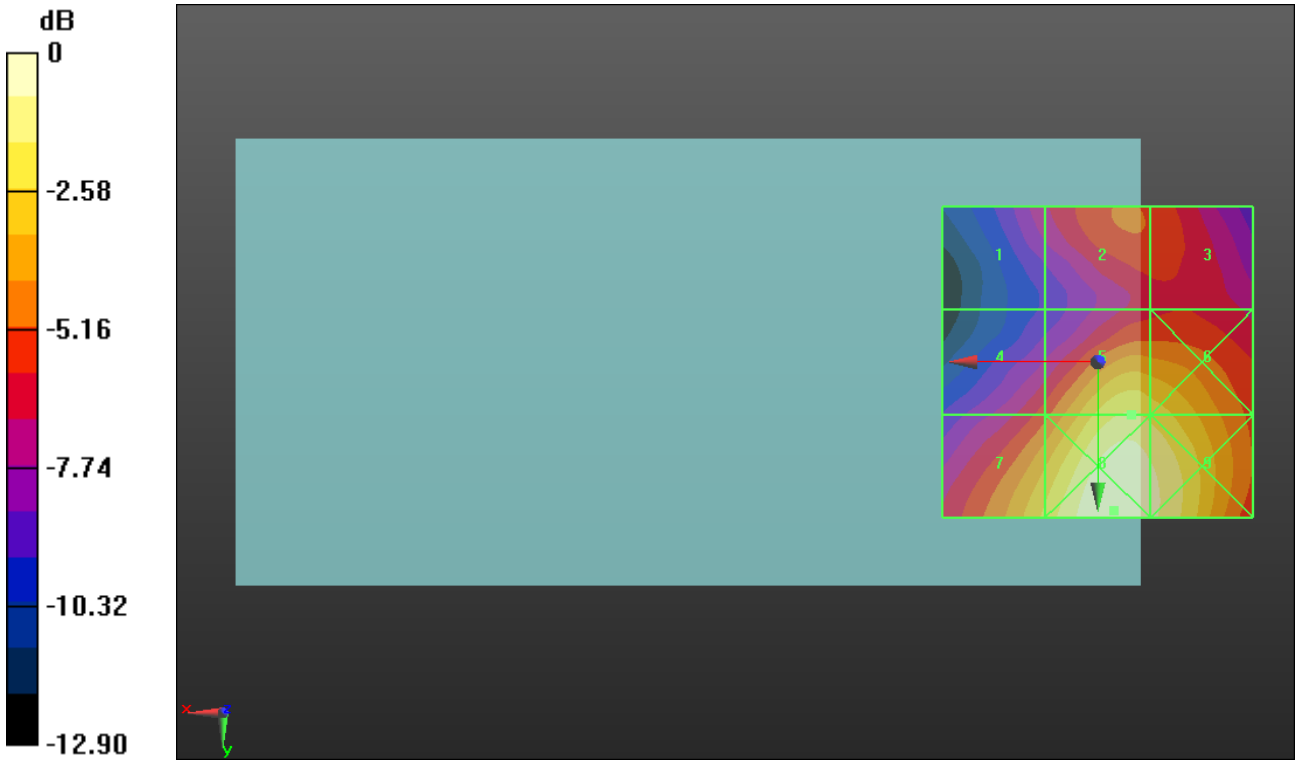
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 29.42 V/m; Power Drift = -0.02 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.44 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **26.05 dBV/m**	Grid 2 **M4** **28.01 dBV/m**	Grid 3 **M4** **27.83 dBV/m**
Grid 4 **M4** **27.63 dBV/m**	Grid 5 **M4** **31.44 dBV/m**	Grid 6 **M4** **31.09 dBV/m**
Grid 7 **M4** **30.71 dBV/m**	Grid 8 **M4** **33.04 dBV/m**	Grid 9 **M4** **32.49 dBV/m**



0 dB = 44.90 V/m = 33.04 dBV/m

HAC-RF Emission ANT 2

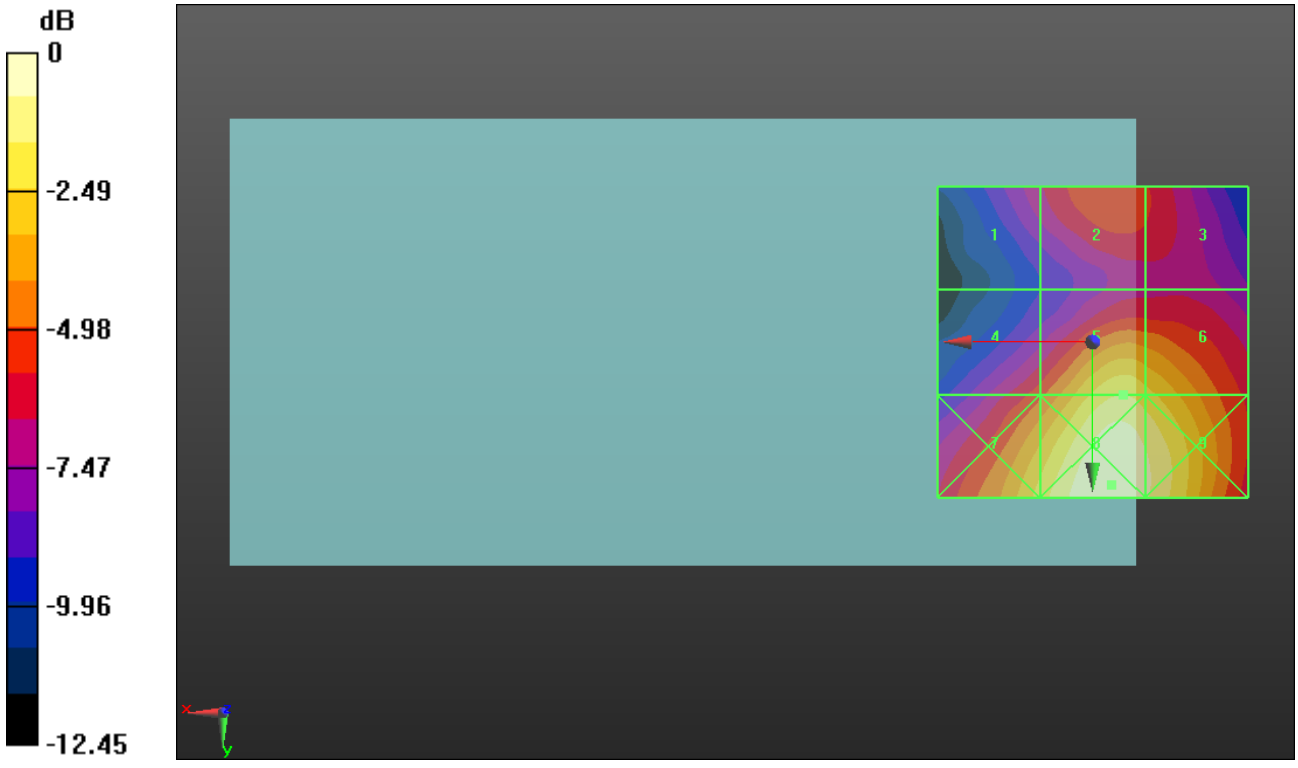
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 28.21 V/m; Power Drift = 0.00 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.12 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **26.03 dBV/m**	Grid 2 **M4** **27.62 dBV/m**	Grid 3 **M4** **27.17 dBV/m**
Grid 4 **M4** **27.59 dBV/m**	Grid 5 **M4** **31.12 dBV/m**	Grid 6 **M4** **30.65 dBV/m**
Grid 7 **M4** **30.67 dBV/m**	Grid 8 **M4** **32.79 dBV/m**	Grid 9 **M4** **32.16 dBV/m**



0 dB = 43.59 V/m = 32.79 dBV/m

HAC-RF Emission ANT 2

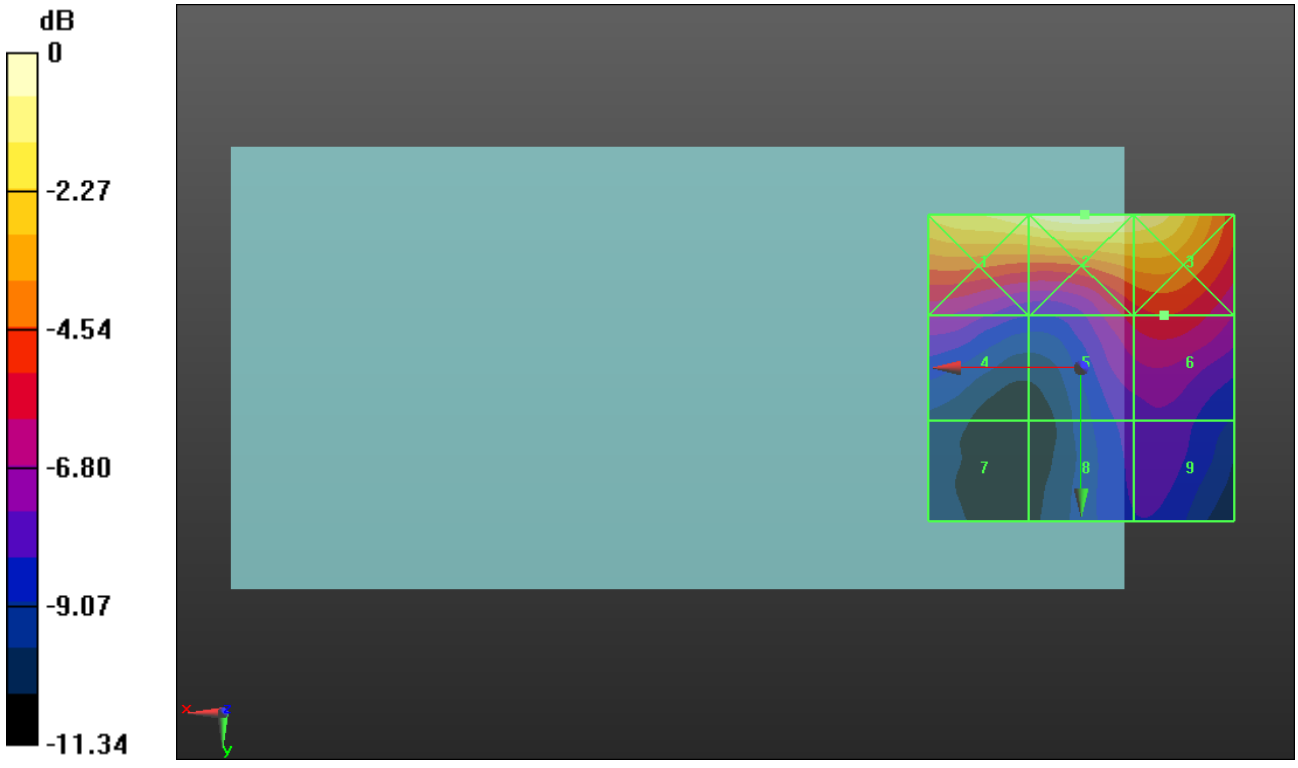
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 18.22 V/m; Power Drift = -0.07 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.04 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **34.63 dBV/m**	Grid 2 **M2** **35.34 dBV/m**	Grid 3 **M3** **34.85 dBV/m**
Grid 4 **M4** **28.65 dBV/m**	Grid 5 **M4** **29.63 dBV/m**	Grid 6 **M3** **30.04 dBV/m**
Grid 7 **M4** **25.41 dBV/m**	Grid 8 **M4** **27.49 dBV/m**	Grid 9 **M4** **27.69 dBV/m**



0 dB = 58.46 V/m = 35.34 dBV/m

HAC-RF Emission ANT 2

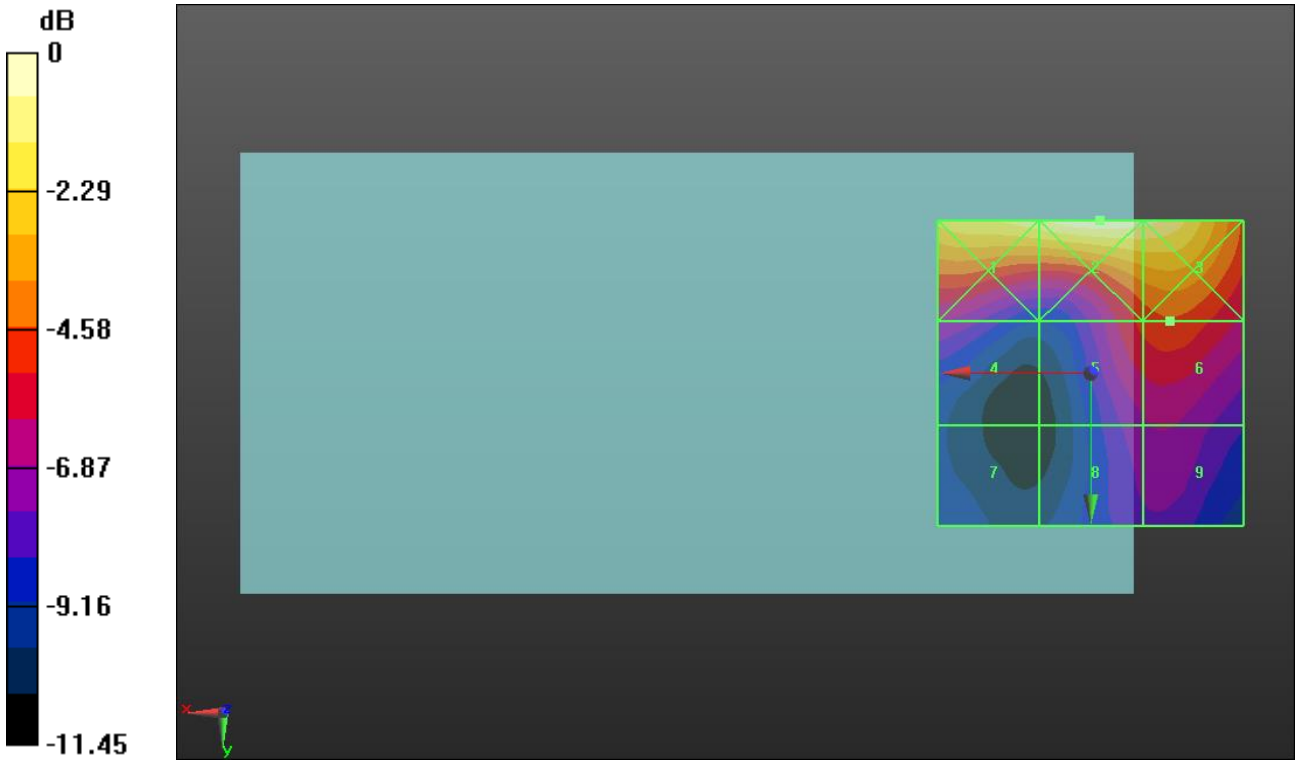
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 19.20 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.07 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **33.9 dBV/m**	Grid 2 **M3** **34.73 dBV/m**	Grid 3 **M3** **34.38 dBV/m**
Grid 4 **M4** **27.84 dBV/m**	Grid 5 **M4** **29.67 dBV/m**	Grid 6 **M3** **30.07 dBV/m**
Grid 7 **M4** **25.4 dBV/m**	Grid 8 **M4** **27.75 dBV/m**	Grid 9 **M4** **27.95 dBV/m**



0 dB = 54.51 V/m = 34.73 dBV/m

HAC-RF Emission ANT 2

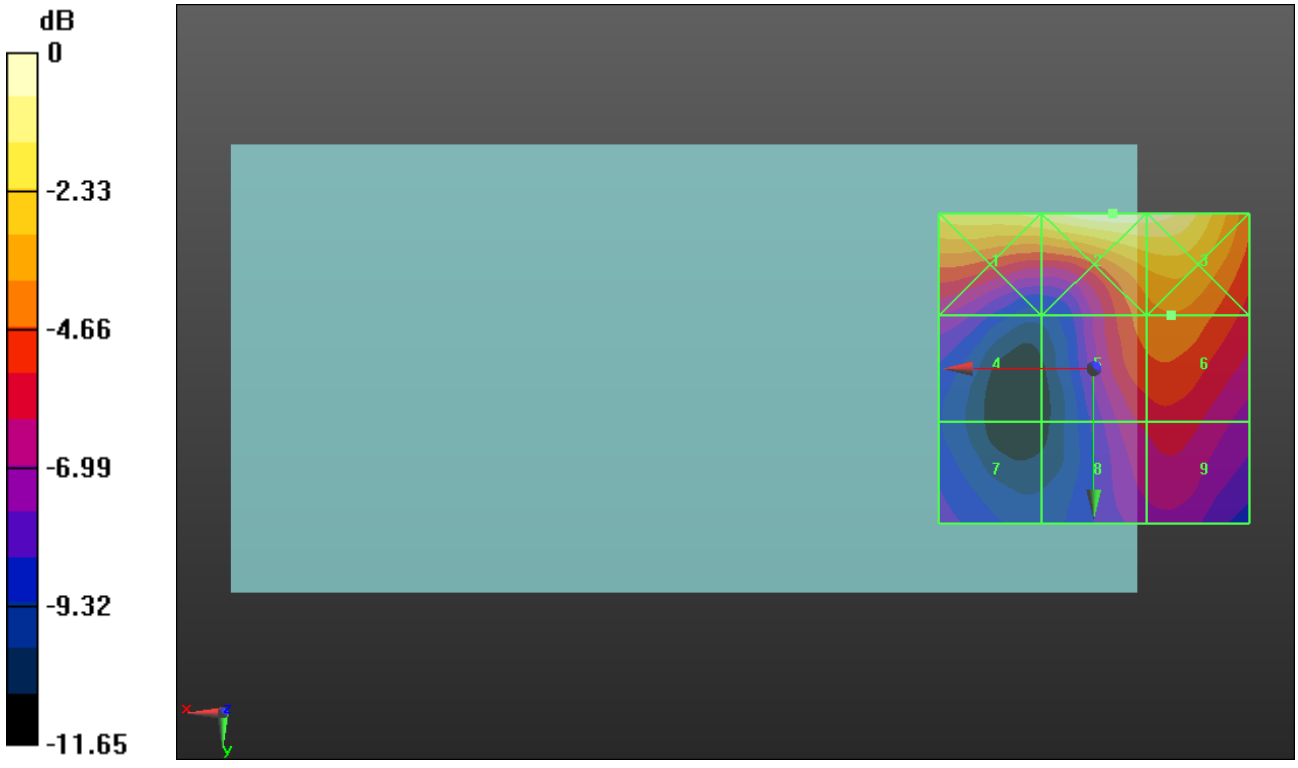
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 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 = 21.98 V/m; Power Drift = 0.05 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.58 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M3** **33.39 dBV/m**	Grid 2 **M3** **34.5 dBV/m**	Grid 3 **M3** **34.34 dBV/m**
Grid 4 **M4** **27.6 dBV/m**	Grid 5 **M3** **30.29 dBV/m**	Grid 6 **M3** **30.58 dBV/m**
Grid 7 **M4** **26.25 dBV/m**	Grid 8 **M4** **28.53 dBV/m**	Grid 9 **M4** **28.76 dBV/m**



0 dB = 53.10 V/m = 34.50 dBV/m

HAC-RF Emission ANT 2

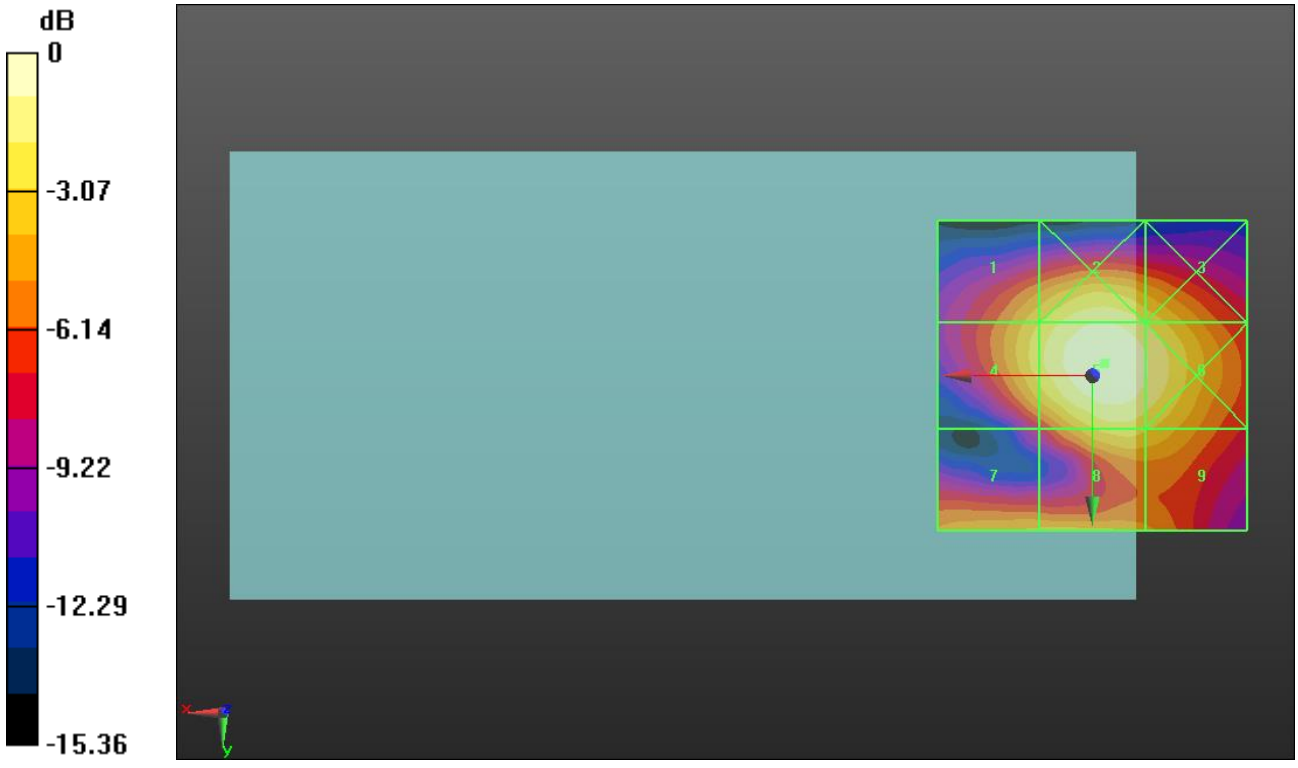
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2422 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 46.62 V/m; Power Drift = -0.06 dB
Applied MIF = 0.00 dB
RF audio interference level = 28.87 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.84 dBV/m**	Grid 2 **M4** **27.9 dBV/m**	Grid 3 **M4** **26.78 dBV/m**
Grid 4 **M4** **26.57 dBV/m**	Grid 5 **M4** **28.87 dBV/m**	Grid 6 **M4** **27.99 dBV/m**
Grid 7 **M4** **25.21 dBV/m**	Grid 8 **M4** **26.41 dBV/m**	Grid 9 **M4** **25.99 dBV/m**



0 dB = 27.77 V/m = 28.87 dBV/m

HAC-RF Emission ANT 2

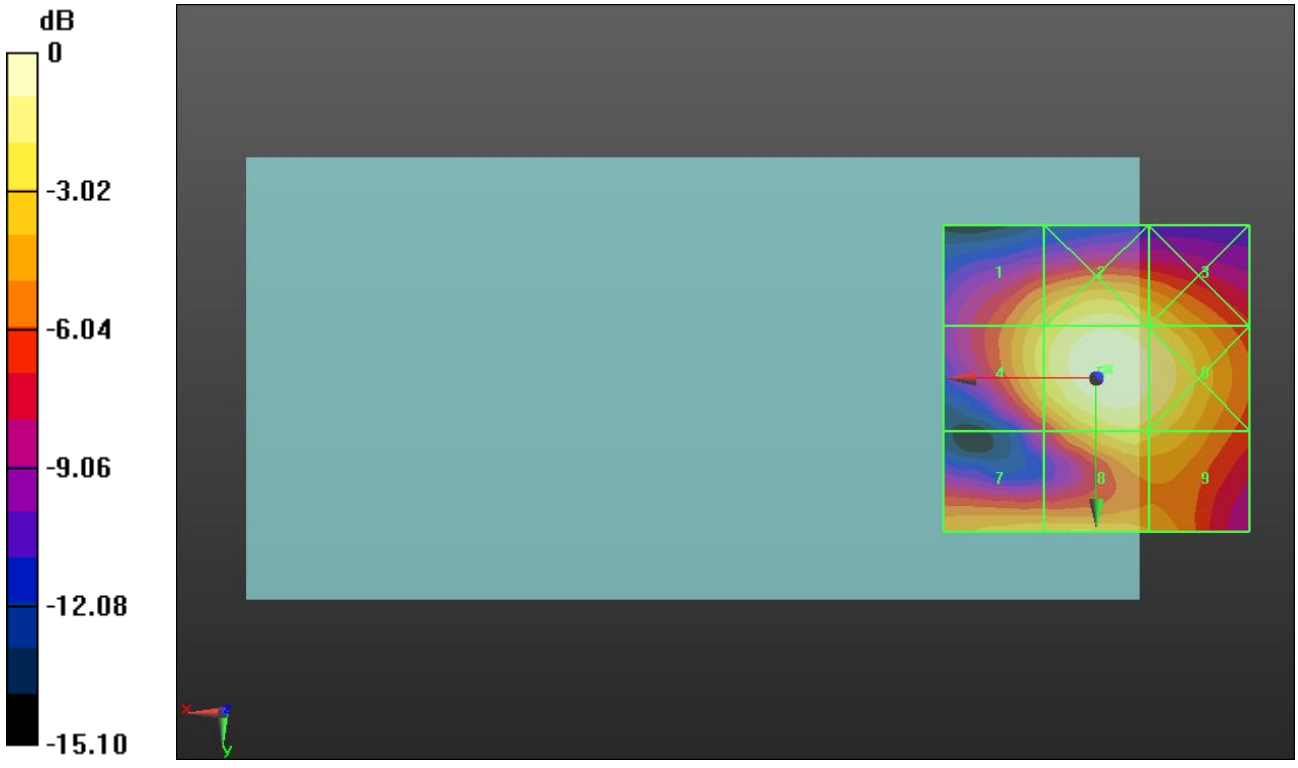
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 57.25 V/m; Power Drift = 0.08 dB
Applied MIF = 0.00 dB
RF audio interference level = 30.54 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **27.49 dBV/m**	Grid 2 **M4** **29.42 dBV/m**	Grid 3 **M4** **28.4 dBV/m**
Grid 4 **M4** **28.25 dBV/m**	Grid 5 **M3** **30.54 dBV/m**	Grid 6 **M4** **29.71 dBV/m**
Grid 7 **M4** **27.55 dBV/m**	Grid 8 **M4** **28.36 dBV/m**	Grid 9 **M4** **27.99 dBV/m**



0 dB = 33.66 V/m = 30.54 dBV/m

HAC-RF Emission ANT 2

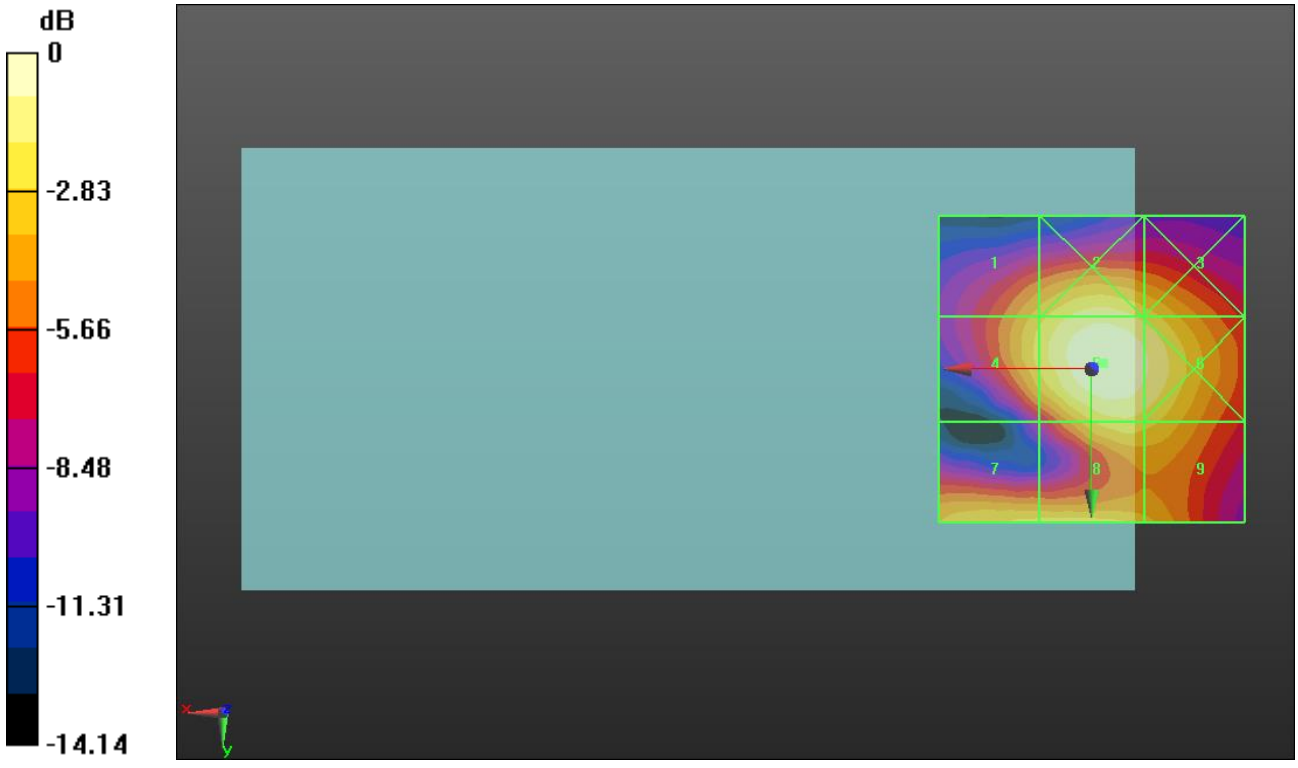
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2452 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 53.96 V/m; Power Drift = 0.00 dB
Applied MIF = 0.00 dB
RF audio interference level = 30.15 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **27 dBV/m**	Grid 2 **M4** **28.92 dBV/m**	Grid 3 **M4** **28 dBV/m**
Grid 4 **M4** **27.78 dBV/m**	Grid 5 **M3** **30.15 dBV/m**	Grid 6 **M4** **29.39 dBV/m**
Grid 7 **M4** **27.79 dBV/m**	Grid 8 **M4** **28.07 dBV/m**	Grid 9 **M4** **27.78 dBV/m**



0 dB = 32.16 V/m = 30.15 dBV/m

HAC-RF Emission ANT 3

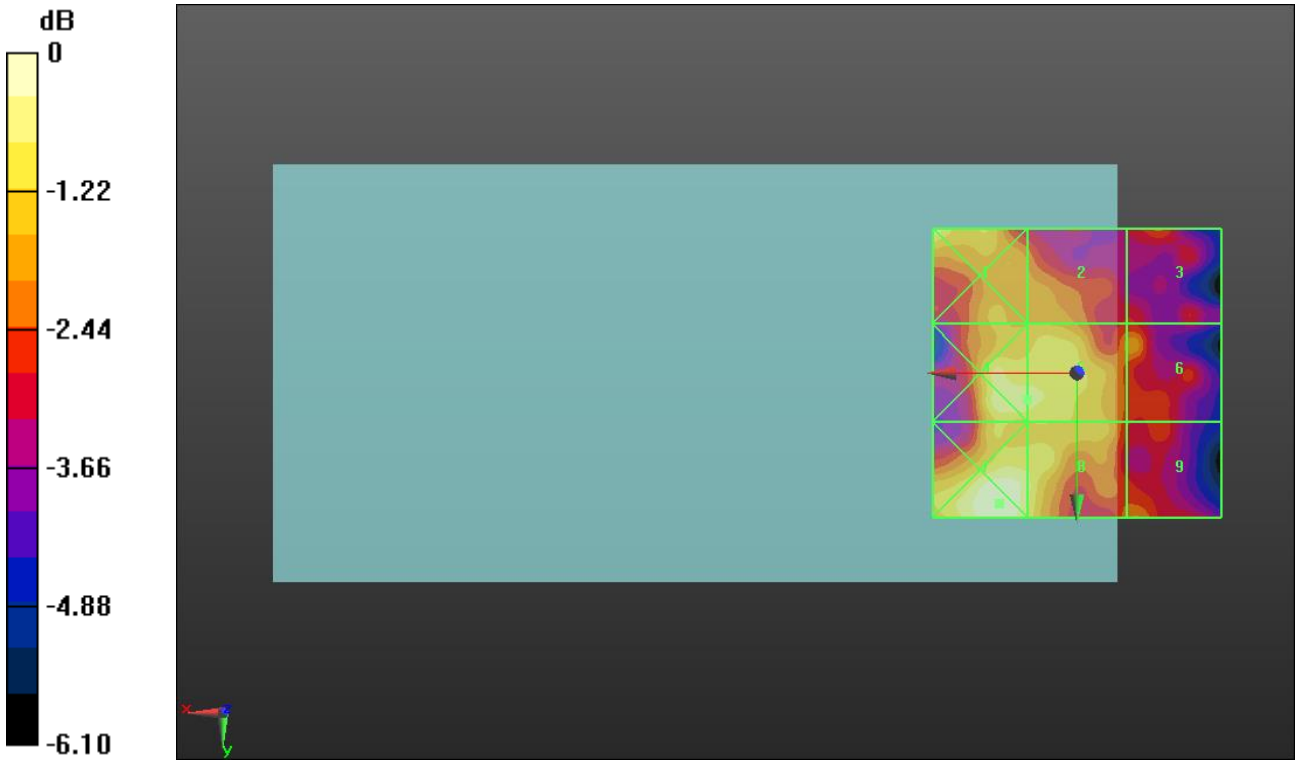
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2417 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2417 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 6.259 V/m; Power Drift = -0.13 dB
Applied MIF = 0.00 dB
RF audio interference level = 14.19 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **14.71 dBV/m**	Grid 2 **M4** **13.2 dBV/m**	Grid 3 **M4** **12.54 dBV/m**
Grid 4 **M4** **14.3 dBV/m**	Grid 5 **M4** **14.19 dBV/m**	Grid 6 **M4** **13.08 dBV/m**
Grid 7 **M4** **14.81 dBV/m**	Grid 8 **M4** **14.14 dBV/m**	Grid 9 **M4** **12.87 dBV/m**



0 dB = 5.503 V/m = 14.81 dBV/m

HAC-RF Emission ANT 3

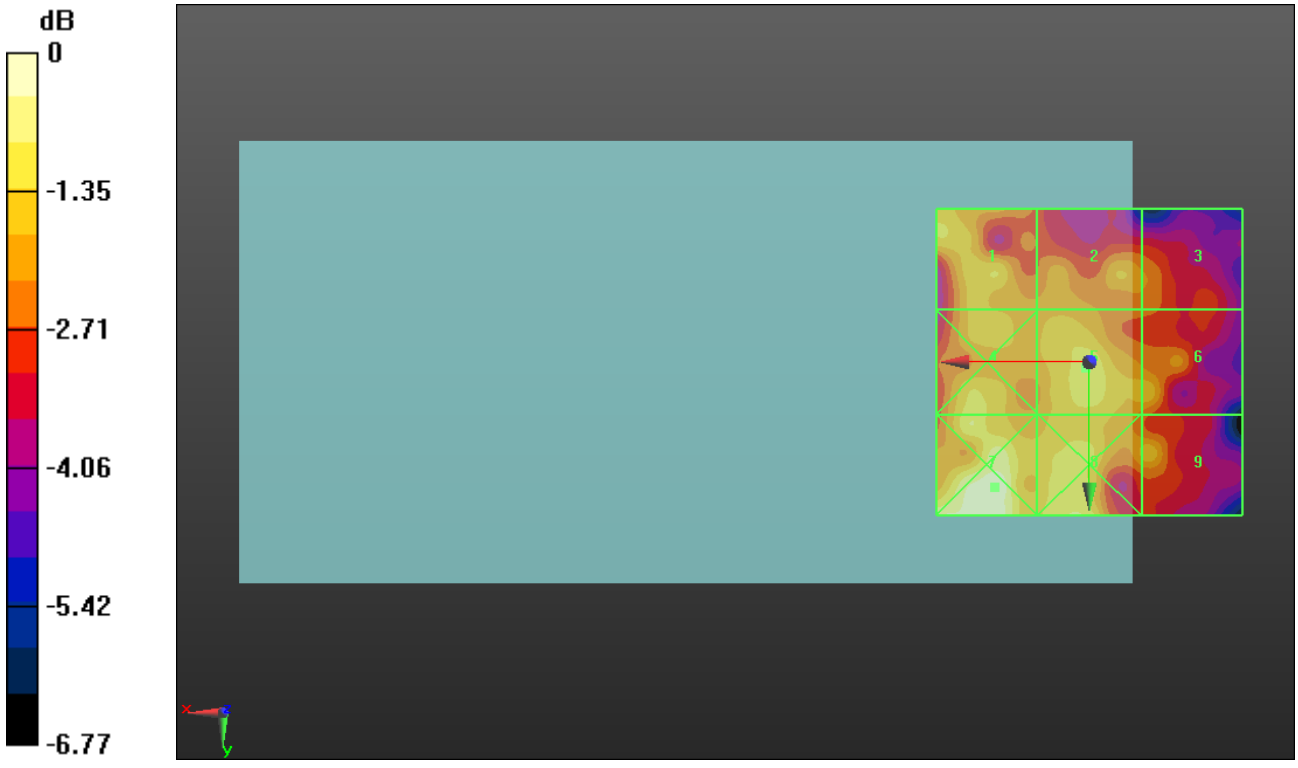
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 5.346 V/m; Power Drift = 0.29 dB
Applied MIF = 0.00 dB
RF audio interference level = 13.70 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **13.43 dBV/m**	Grid 2 **M4** **12.93 dBV/m**	Grid 3 **M4** **12.56 dBV/m**
Grid 4 **M4** **13.67 dBV/m**	Grid 5 **M4** **13.7 dBV/m**	Grid 6 **M4** **13.24 dBV/m**
Grid 7 **M4** **14.68 dBV/m**	Grid 8 **M4** **13.87 dBV/m**	Grid 9 **M4** **13.2 dBV/m**



0 dB = 5.417 V/m = 14.68 dBV/m

HAC-RF Emission ANT 3

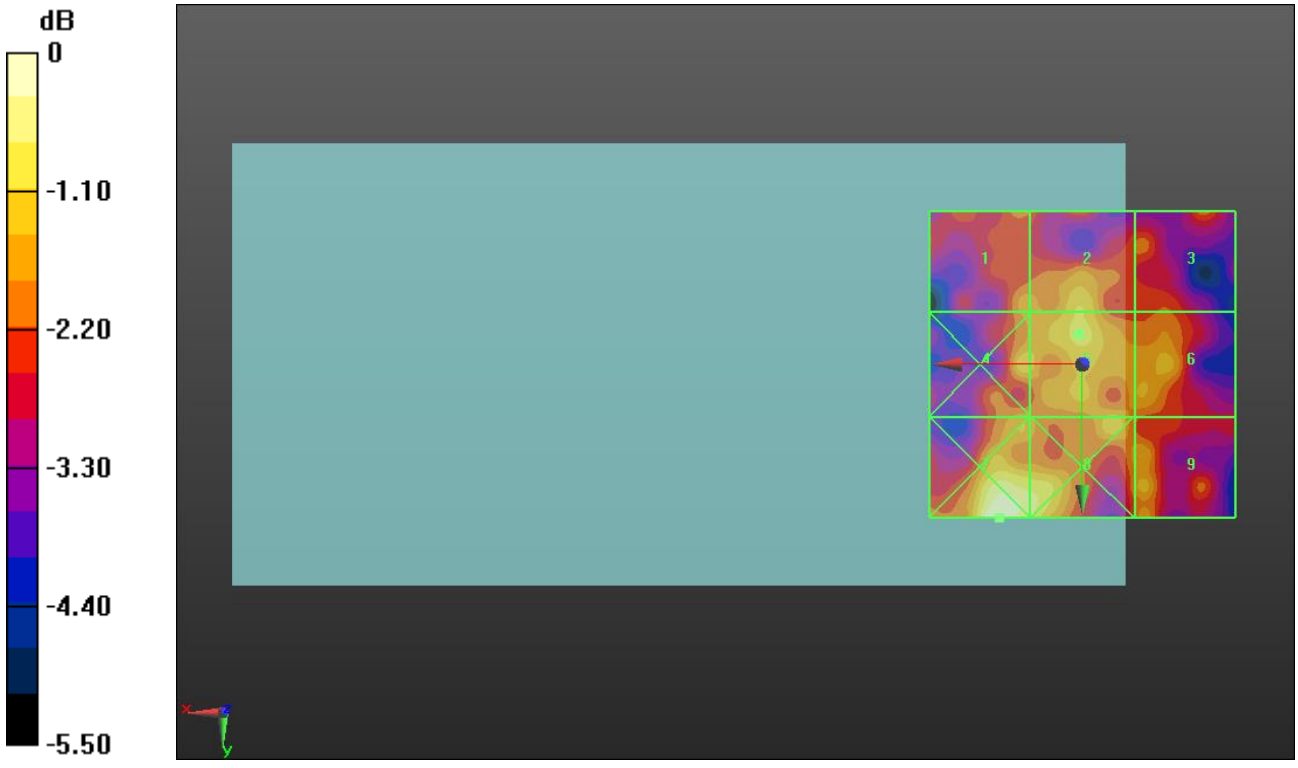
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 6.110 V/m; Power Drift = -0.39 dB
Applied MIF = 0.00 dB
RF audio interference level = 14.57 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **13.92 dBV/m**	Grid 2 **M4** **14.43 dBV/m**	Grid 3 **M4** **13.51 dBV/m**
Grid 4 **M4** **14.39 dBV/m**	Grid 5 **M4** **14.57 dBV/m**	Grid 6 **M4** **14.22 dBV/m**
Grid 7 **M4** **15.5 dBV/m**	Grid 8 **M4** **14.95 dBV/m**	Grid 9 **M4** **14.21 dBV/m**



0 dB = 5.955 V/m = 15.50 dBV/m

HAC-RF Emission ANT 3

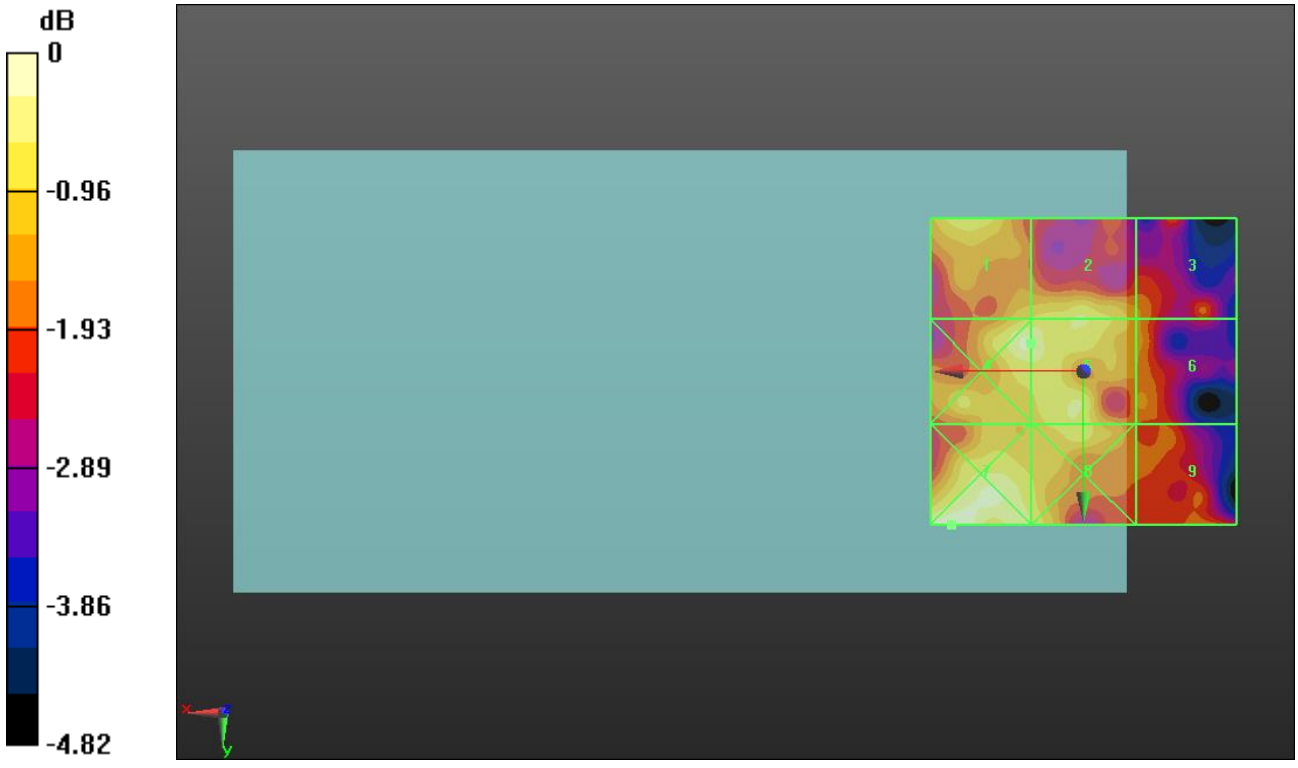
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2422 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2422 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 6.097 V/m; Power Drift = -0.41 dB
Applied MIF = 0.00 dB
RF audio interference level = 14.66 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **14.32 dBV/m**	Grid 2 **M4** **14.37 dBV/m**	Grid 3 **M4** **13.51 dBV/m**
Grid 4 **M4** **14.71 dBV/m**	Grid 5 **M4** **14.66 dBV/m**	Grid 6 **M4** **13.54 dBV/m**
Grid 7 **M4** **14.95 dBV/m**	Grid 8 **M4** **14.33 dBV/m**	Grid 9 **M4** **13.39 dBV/m**



0 dB = 5.594 V/m = 14.95 dBV/m

HAC-RF Emission ANT 3

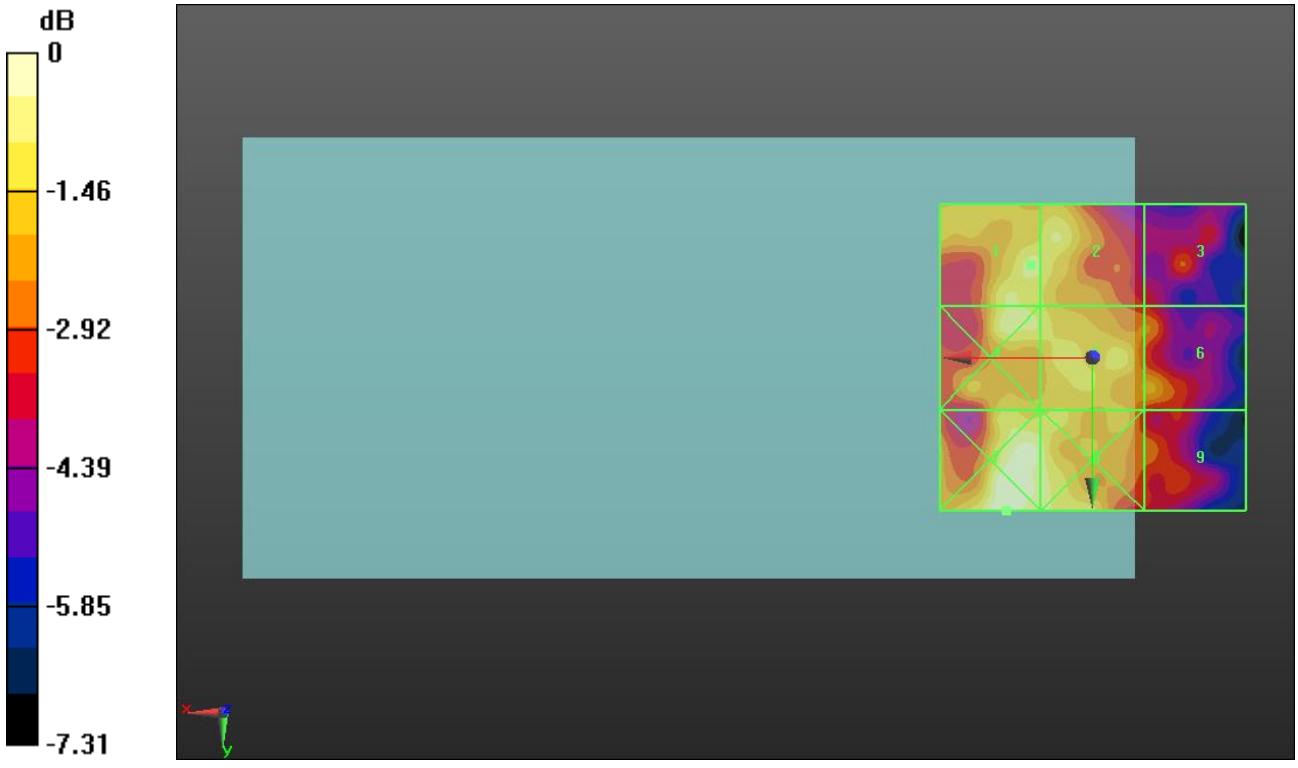
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 6.162 V/m; Power Drift = -0.94 dB
Applied MIF = 0.00 dB
RF audio interference level = 13.81 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **13.81 dBV/m**	Grid 2 **M4** **13.68 dBV/m**	Grid 3 **M4** **11.71 dBV/m**
Grid 4 **M4** **13.94 dBV/m**	Grid 5 **M4** **13.54 dBV/m**	Grid 6 **M4** **12.82 dBV/m**
Grid 7 **M4** **14.59 dBV/m**	Grid 8 **M4** **13.95 dBV/m**	Grid 9 **M4** **12 dBV/m**



0 dB = 5.363 V/m = 14.59 dBV/m

HAC-RF Emission ANT 3

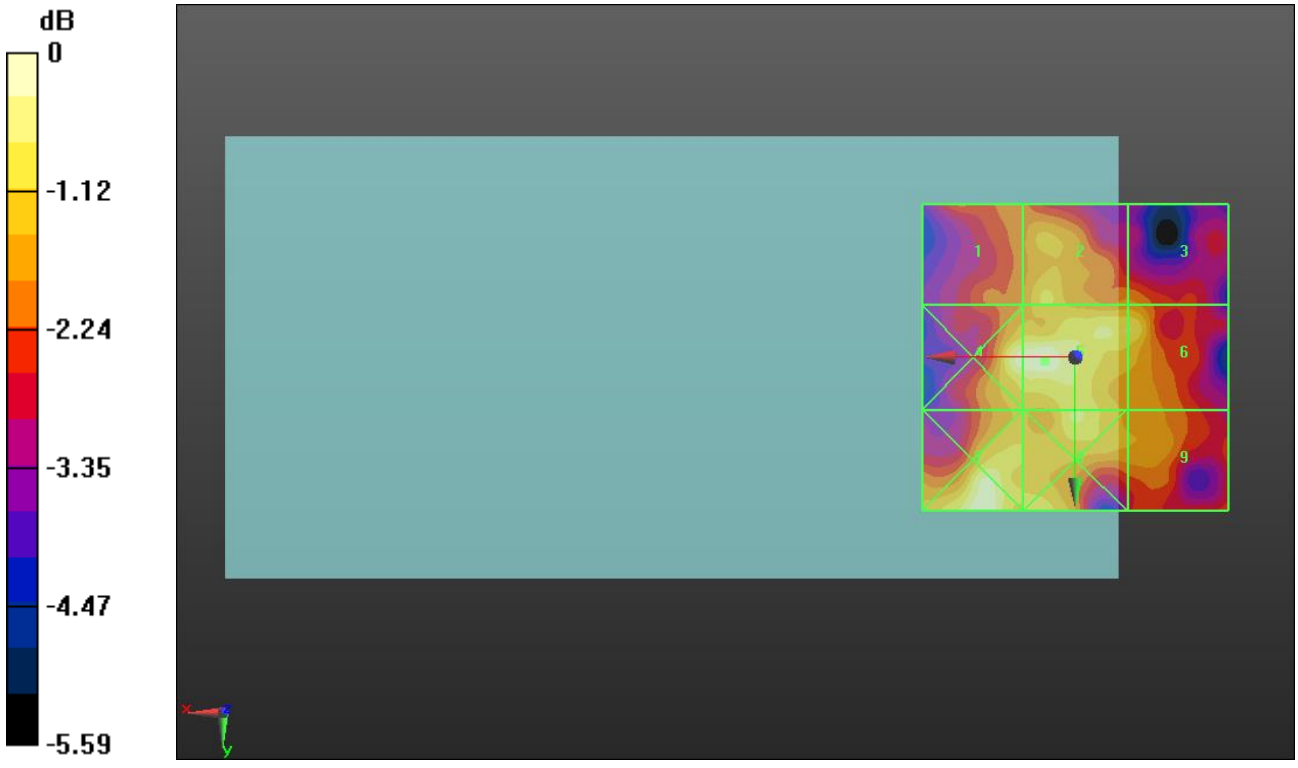
Communication System: UID 0, 1@IEEE 802.11b/g/n 2.4 GHz Band (0); Frequency: 2452 MHz; Duty Cycle: 1:1
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 2452 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; Calibrated: 4/19/2021
- 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 = 6.253 V/m; Power Drift = 0.03 dB
Applied MIF = 0.00 dB
RF audio interference level = 15.22 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **13.45 dBV/m**	Grid 2 **M4** **14.22 dBV/m**	Grid 3 **M4** **13.58 dBV/m**
Grid 4 **M4** **15.06 dBV/m**	Grid 5 **M4** **15.22 dBV/m**	Grid 6 **M4** **14.49 dBV/m**
Grid 7 **M4** **15.2 dBV/m**	Grid 8 **M4** **14.55 dBV/m**	Grid 9 **M4** **13.8 dBV/m**



0 dB = 5.768 V/m = 15.22 dBV/m

HAC-RF Emission ANT 4

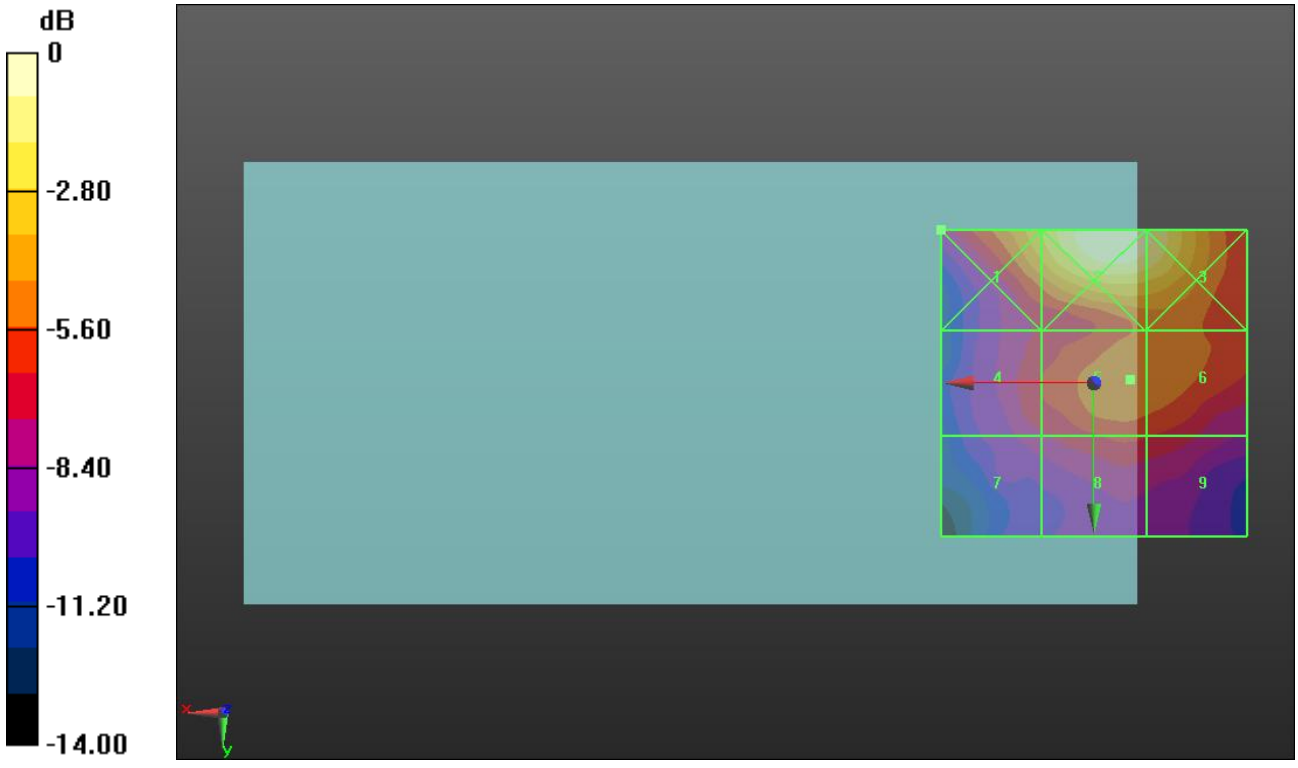
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3560 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3560 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 18.80 V/m; Power Drift = -0.08 dB
Applied MIF = -1.44 dB
RF audio interference level = 21.11 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.08 dBV/m**	Grid 2 **M4** **25.83 dBV/m**	Grid 3 **M4** **25.11 dBV/m**
Grid 4 **M4** **19.39 dBV/m**	Grid 5 **M4** **21.11 dBV/m**	Grid 6 **M4** **21.06 dBV/m**
Grid 7 **M4** **18.23 dBV/m**	Grid 8 **M4** **19.61 dBV/m**	Grid 9 **M4** **19.43 dBV/m**



0 dB = 19.57 V/m = 25.83 dBV/m

HAC-RF Emission ANT 4

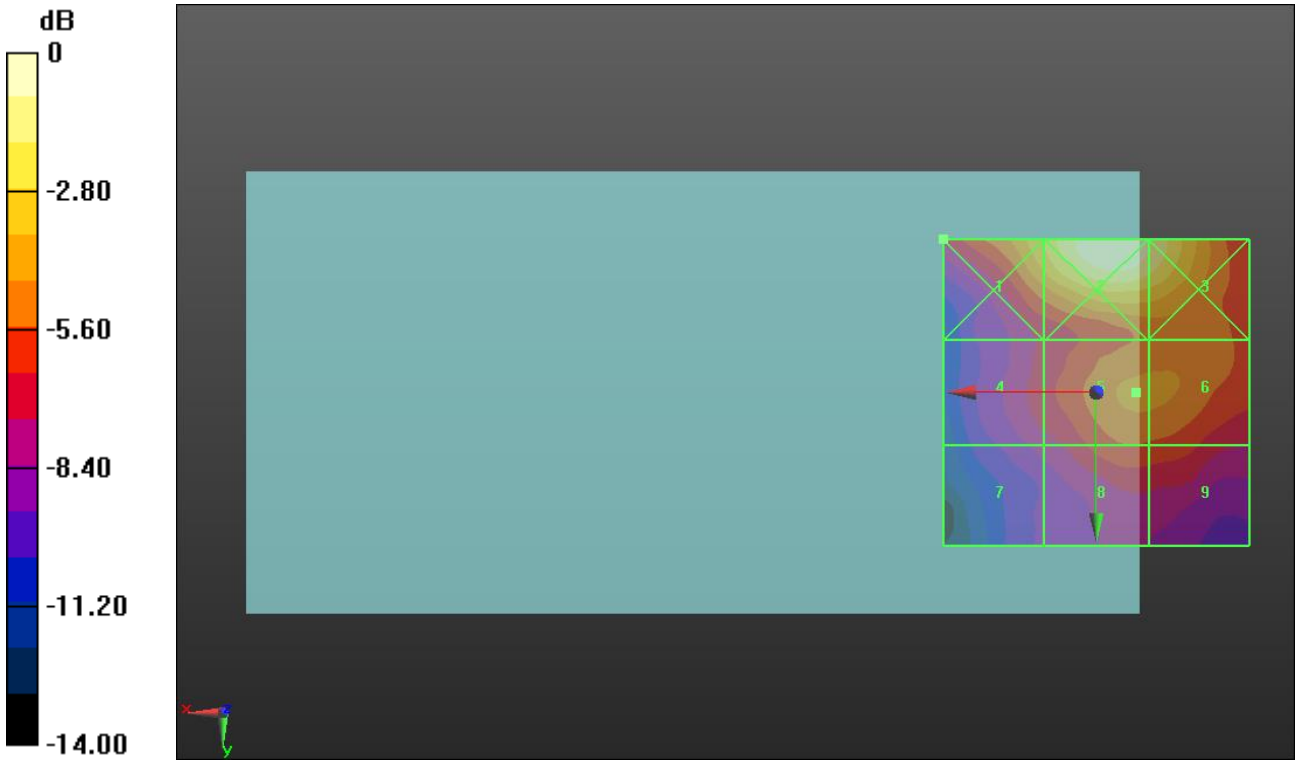
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3603.3 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3603.3 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 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 = 18.53 V/m; Power Drift = -0.04 dB
Applied MIF = -1.44 dB
RF audio interference level = 21.45 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.25 dBV/m**	Grid 2 **M4** **25.84 dBV/m**	Grid 3 **M4** **25.02 dBV/m**
Grid 4 **M4** **19.01 dBV/m**	Grid 5 **M4** **21.45 dBV/m**	Grid 6 **M4** **21.42 dBV/m**
Grid 7 **M4** **17.94 dBV/m**	Grid 8 **M4** **20.3 dBV/m**	Grid 9 **M4** **20.14 dBV/m**



0 dB = 19.60 V/m = 25.85 dBV/m

HAC-RF Emission ANT 4

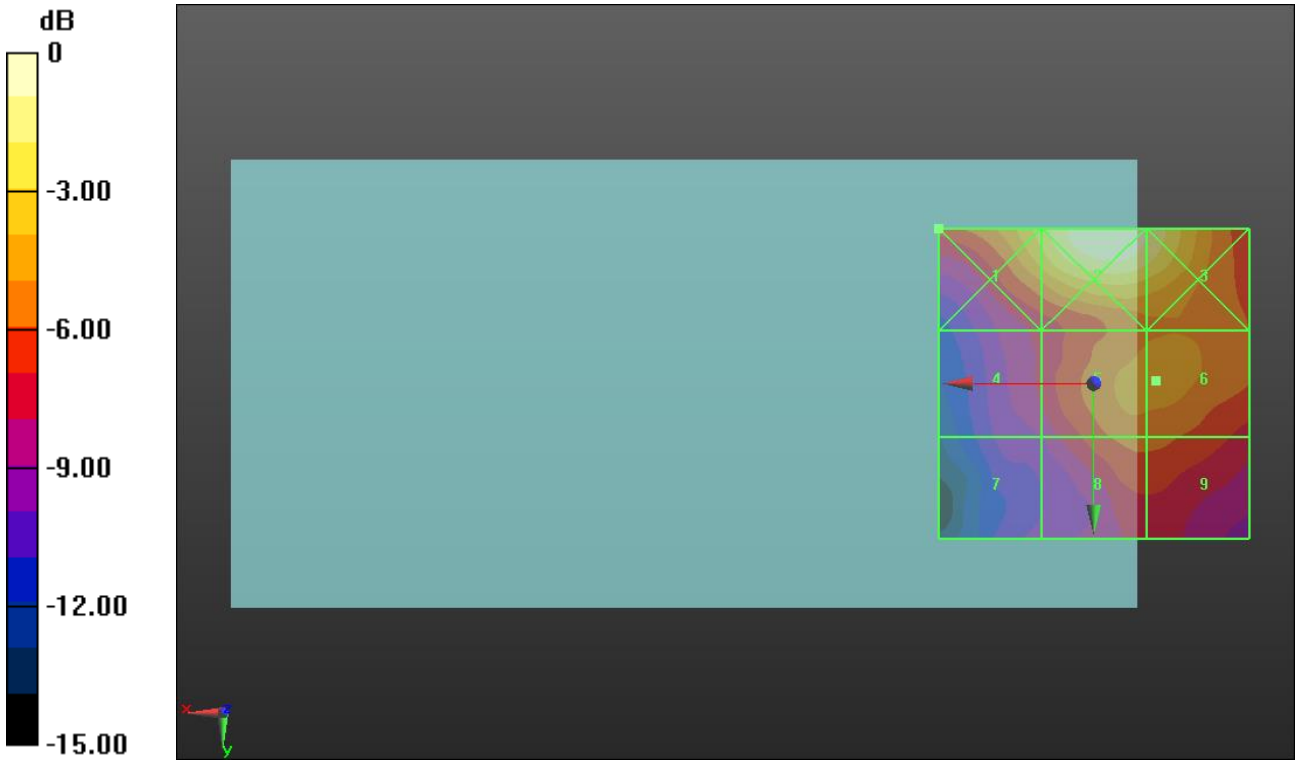
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3646.7 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3646.7 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 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 = 17.44 V/m; Power Drift = -0.07 dB
Applied MIF = -1.44 dB
RF audio interference level = 21.20 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.14 dBV/m**	Grid 2 **M4** **25.66 dBV/m**	Grid 3 **M4** **24.69 dBV/m**
Grid 4 **M4** **18.09 dBV/m**	Grid 5 **M4** **21.16 dBV/m**	Grid 6 **M4** **21.2 dBV/m**
Grid 7 **M4** **16.71 dBV/m**	Grid 8 **M4** **20.1 dBV/m**	Grid 9 **M4** **20.08 dBV/m**



0 dB = 19.18 V/m = 25.66 dBV/m

HAC-RF Emission ANT 4

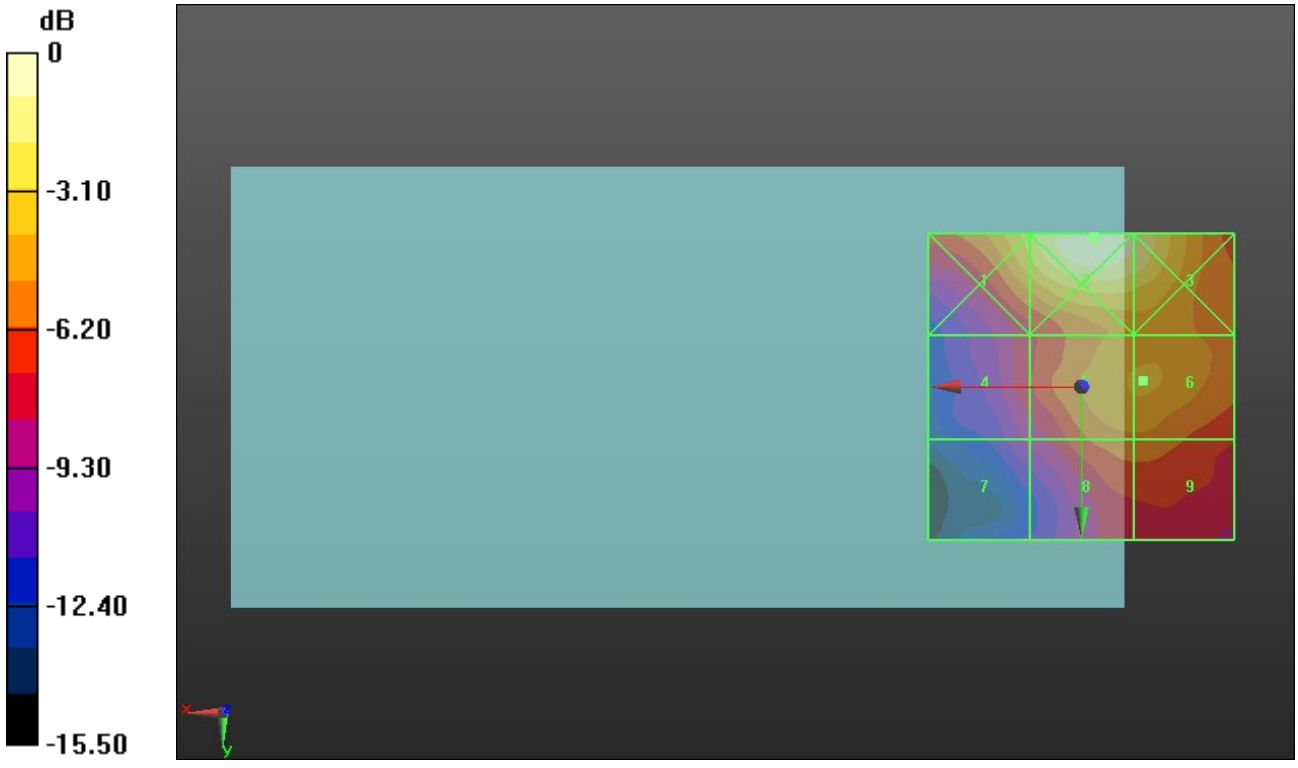
Communication System: UID 10173 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 3690 MHz; Duty Cycle: 1:8.8736
Phantom section: RF Section
DASY5 Configuration:
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1) @ 3690 MHz; Calibrated: 3/22/2021
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1547; 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 = 16.66 V/m; Power Drift = 0.07 dB
Applied MIF = -1.44 dB
RF audio interference level = 21.29 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **22.76 dBV/m**	Grid 2 **M4** **25.26 dBV/m**	Grid 3 **M4** **24.37 dBV/m**
Grid 4 **M4** **17.98 dBV/m**	Grid 5 **M4** **21.24 dBV/m**	Grid 6 **M4** **21.29 dBV/m**
Grid 7 **M4** **16.25 dBV/m**	Grid 8 **M4** **19.85 dBV/m**	Grid 9 **M4** **19.85 dBV/m**



0 dB = 18.32 V/m = 25.26 dBV/m