HAC-RF Emission

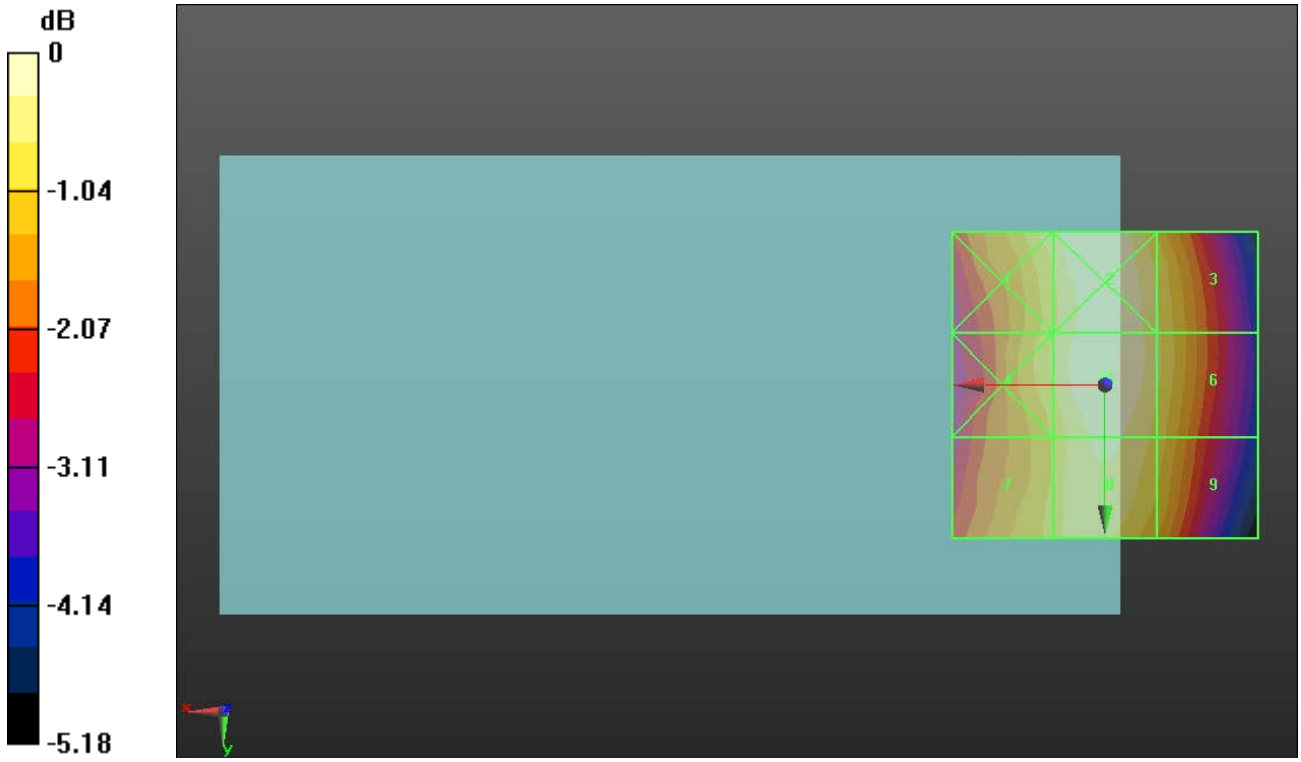
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 58.83 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 36.94 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **36.51 dBV/m**	Grid 2 **M4** **36.89 dBV/m**	Grid 3 **M4** **36.33 dBV/m**
Grid 4 **M4** **36.33 dBV/m**	Grid 5 **M4** **36.94 dBV/m**	Grid 6 **M4** **36.37 dBV/m**
Grid 7 **M4** **36.07 dBV/m**	Grid 8 **M4** **36.67 dBV/m**	Grid 9 **M4** **36.12 dBV/m**



0 dB = 70.34 V/m = 36.94 dBV/m

HAC-RF Emission

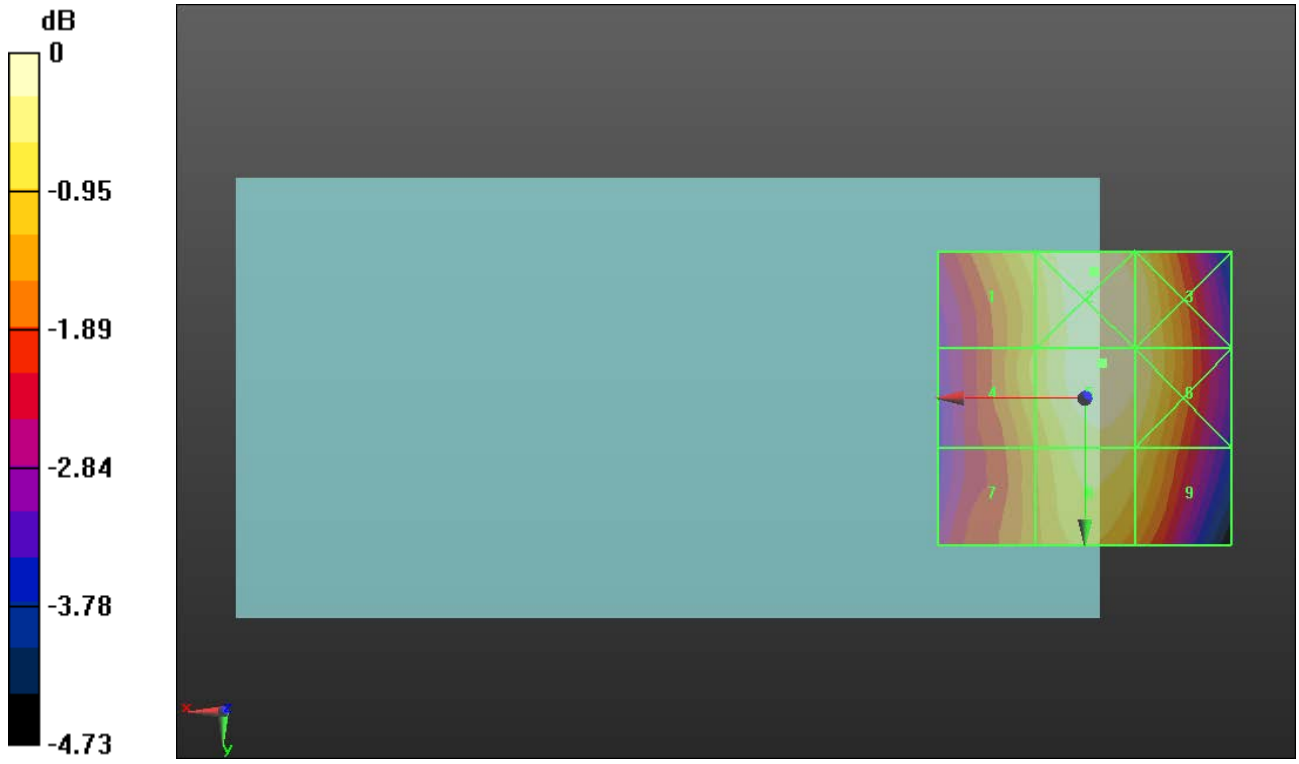
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 64.20 V/m; Power Drift = 0.16 dB
Applied MIF = 3.63 dB
RF audio interference level = 37.88 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **37.27 dBV/m**	Grid 2 **M4** **37.92 dBV/m**	Grid 3 **M4** **37.64 dBV/m**
Grid 4 **M4** **37.09 dBV/m**	Grid 5 **M4** **37.88 dBV/m**	Grid 6 **M4** **37.65 dBV/m**
Grid 7 **M4** **36.67 dBV/m**	Grid 8 **M4** **37.49 dBV/m**	Grid 9 **M4** **37.21 dBV/m**



0 dB = 78.67 V/m = 37.92 dBV/m

HAC-RF Emission

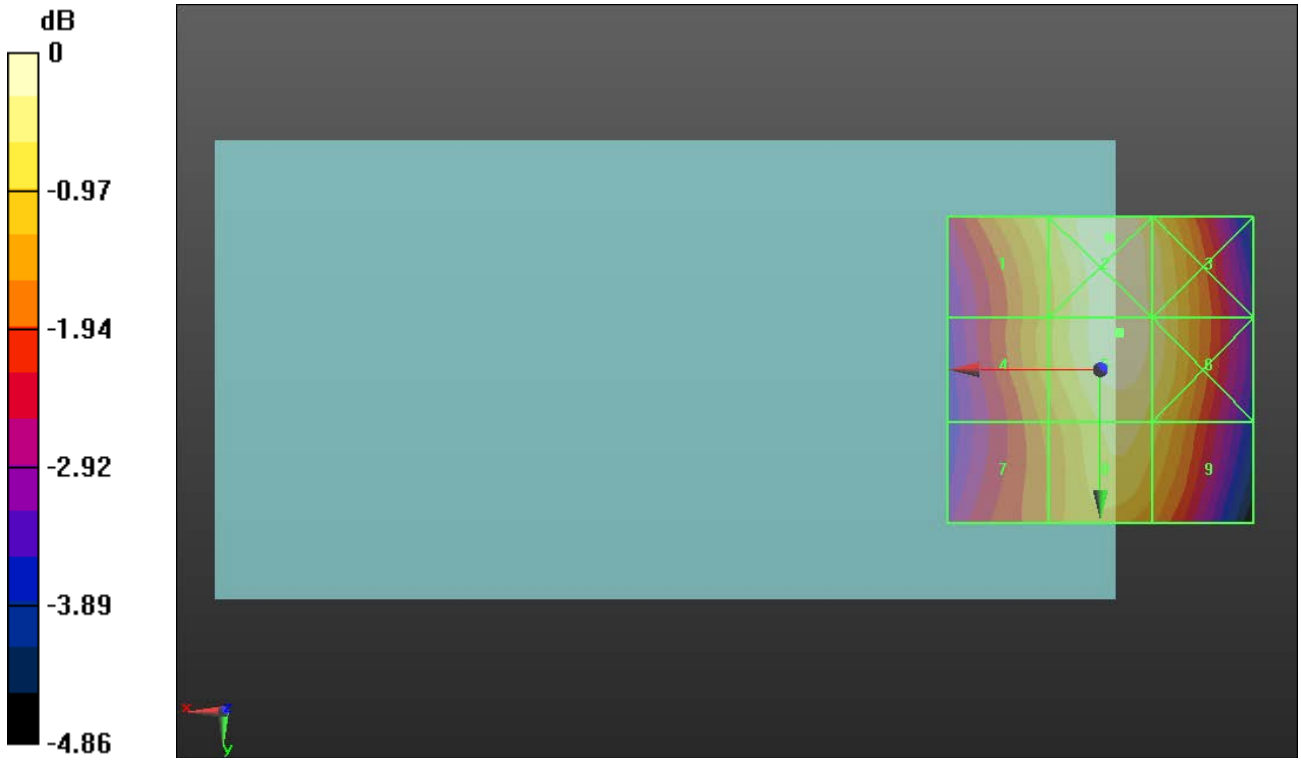
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 73.89 V/m; Power Drift = 0.05 dB
Applied MIF = 3.63 dB
RF audio interference level = 39.08 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **38.46 dBV/m**	Grid 2 **M4** **39.17 dBV/m**	Grid 3 **M4** **38.78 dBV/m**
Grid 4 **M4** **38.13 dBV/m**	Grid 5 **M4** **39.08 dBV/m**	Grid 6 **M4** **38.79 dBV/m**
Grid 7 **M4** **37.71 dBV/m**	Grid 8 **M4** **38.68 dBV/m**	Grid 9 **M4** **38.37 dBV/m**



0 dB = 90.92 V/m = 39.17 dBV/m

HAC-RF Emission

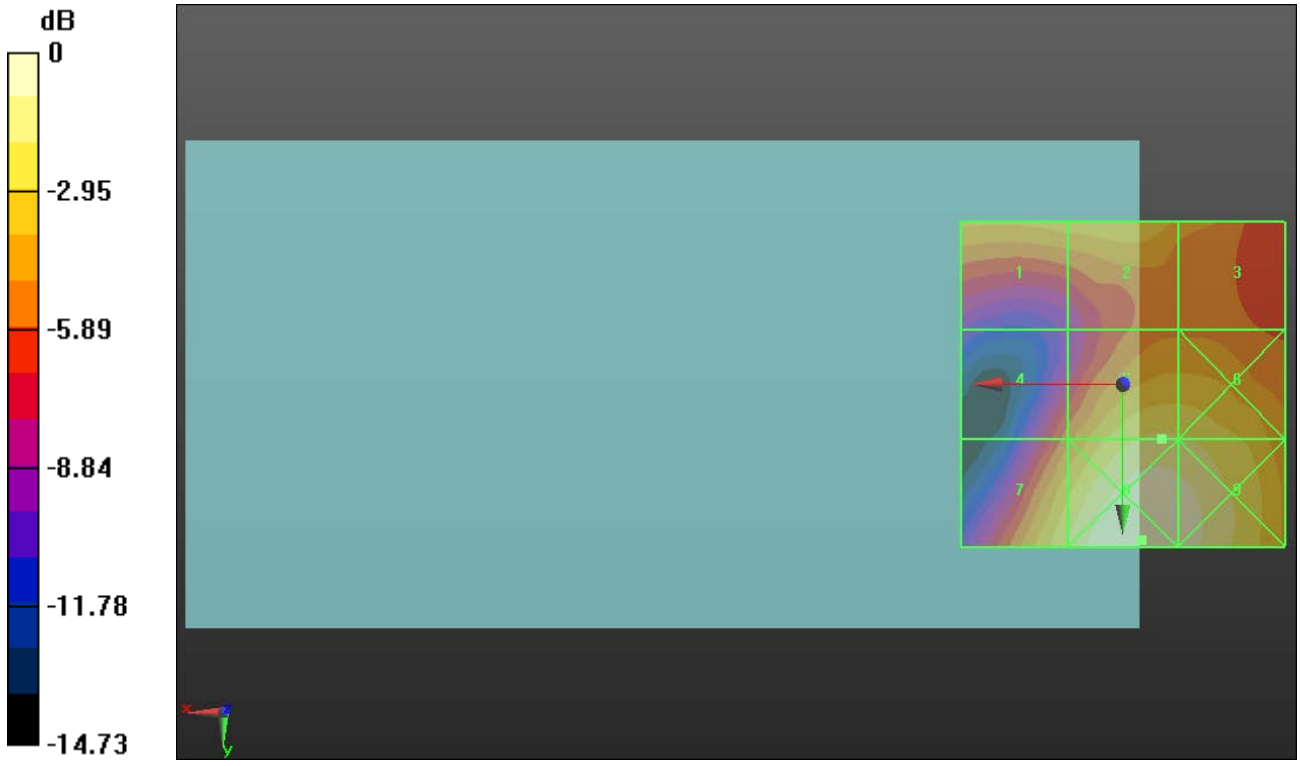
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 22.40 V/m; Power Drift = -0.08 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.57 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **28.94 dBV/m**	Grid 2 **M4** **29.29 dBV/m**	Grid 3 **M4** **28.12 dBV/m**
Grid 4 **M4** **27.07 dBV/m**	Grid 5 **M3** **30.57 dBV/m**	Grid 6 **M3** **30.48 dBV/m**
Grid 7 **M3** **30.41 dBV/m**	Grid 8 **M3** **32.29 dBV/m**	Grid 9 **M3** **31.94 dBV/m**



0 dB = 41.16 V/m = 32.29 dBV/m

HAC-RF Emission

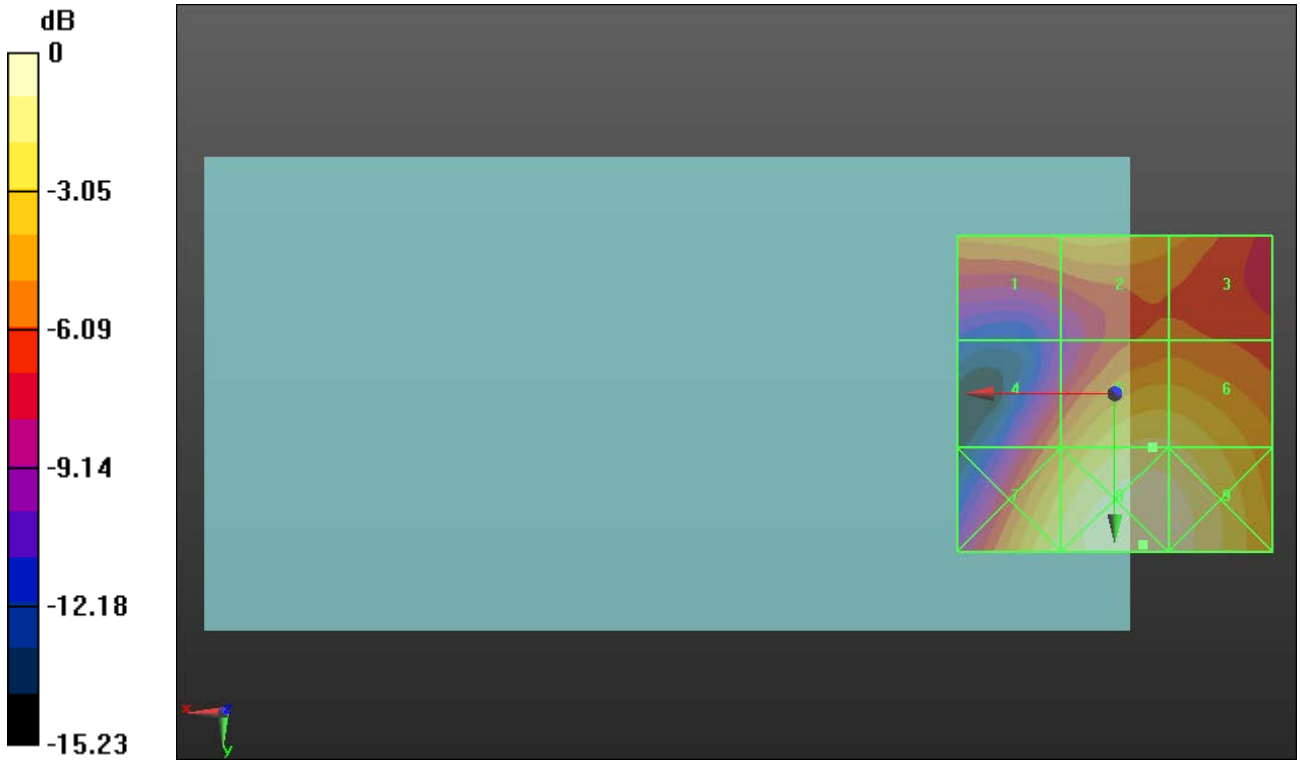
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 23.38 V/m; Power Drift = 0.45 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.62 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **29.47 dBV/m**	Grid 2 **M4** **29.8 dBV/m**	Grid 3 **M4** **28.8 dBV/m**
Grid 4 **M4** **28.54 dBV/m**	Grid 5 **M3** **31.62 dBV/m**	Grid 6 **M3** **31.52 dBV/m**
Grid 7 **M3** **31.73 dBV/m**	Grid 8 **M3** **33.3 dBV/m**	Grid 9 **M3** **32.99 dBV/m**



0 dB = 46.21 V/m = 33.29 dBV/m

HAC-RF Emission

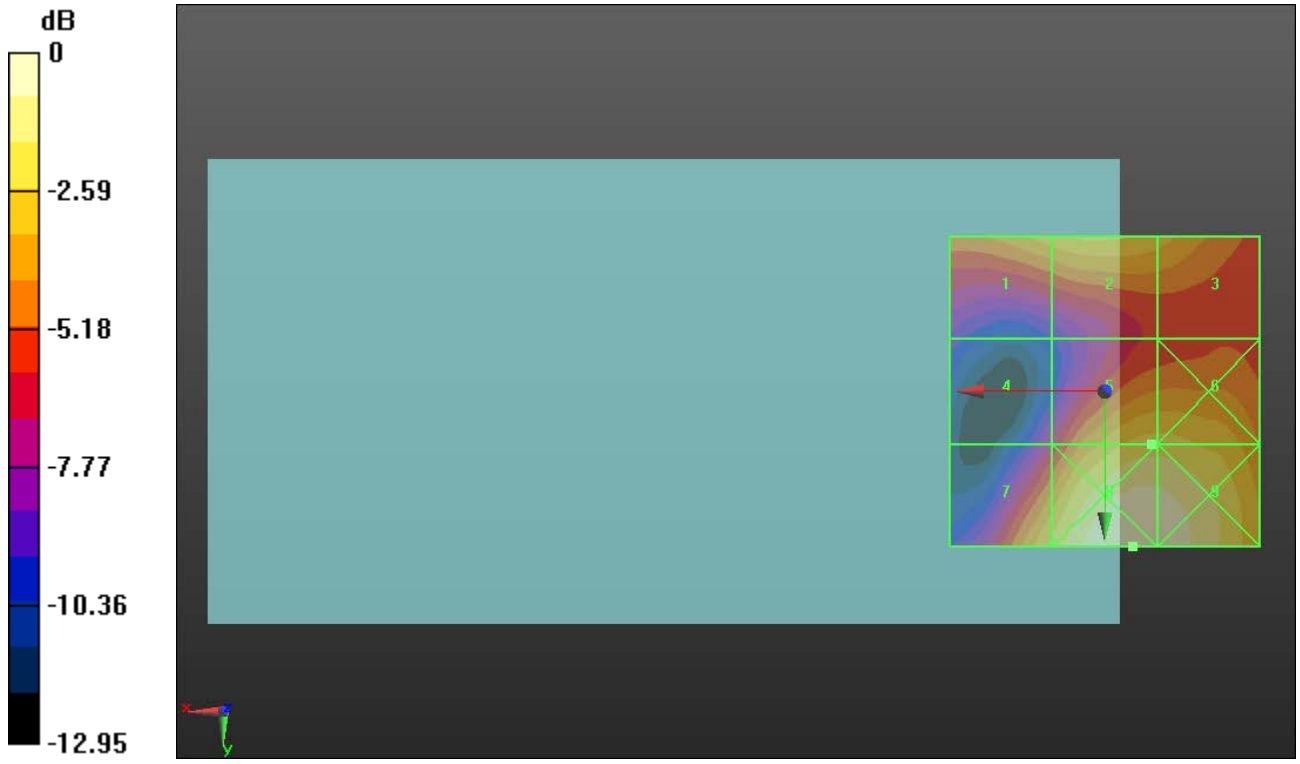
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1257; Calibrated: 9/16/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 20.82 V/m; Power Drift = -0.61 dB
Applied MIF = 3.63 dB
RF audio interference level = 30.49 dBV/m
Emission category: M3

MIF scaled E-field

Grid 1 **M4** **29.74 dBV/m**	Grid 2 **M3** **30.25 dBV/m**	Grid 3 **M4** **29.66 dBV/m**
Grid 4 **M4** **25.79 dBV/m**	Grid 5 **M3** **30.49 dBV/m**	Grid 6 **M3** **30.48 dBV/m**
Grid 7 **M3** **30.35 dBV/m**	Grid 8 **M3** **32.64 dBV/m**	Grid 9 **M3** **32.43 dBV/m**



0 dB = 42.86 V/m = 32.64 dBV/m