

#01 HAC RF_GSM850_GSM_Voice_Ch128_E

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012.12.12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch128/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 81.01 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.59 dBV/m

Emission category: M4

MIF scaled E-field

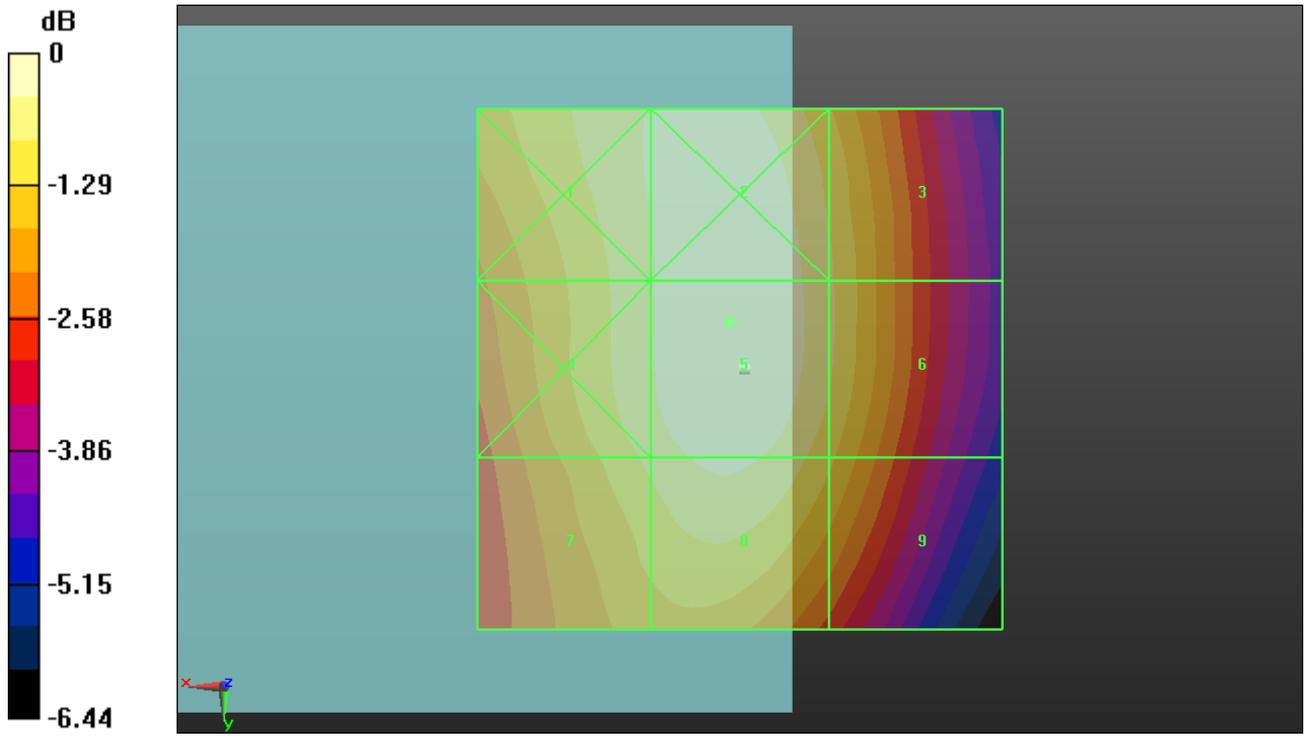
| | | |
|--|--|--|
| Grid 1 M4 38.21 dBV/m | Grid 2 M4 38.55 dBV/m | Grid 3 M4 37.82 dBV/m |
| Grid 4 M4 38.14 dBV/m | Grid 5 M4 38.59 dBV/m | Grid 6 M4 37.83 dBV/m |
| Grid 7 M4 37.85 dBV/m | Grid 8 M4 38.27 dBV/m | Grid 9 M4 37.41 dBV/m |

Cursor:

Total = 38.59 dBV/m

E Category: M4

Location: 1, -4.5, 9.7 mm



0 dB = 85.05 V/m = 38.59 dBV/m

#02 HAC RF_GSM850_GSM_Voice_Ch189_E

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012.12.12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch189/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 79.82 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.56 dBV/m

Emission category: M4

MIF scaled E-field

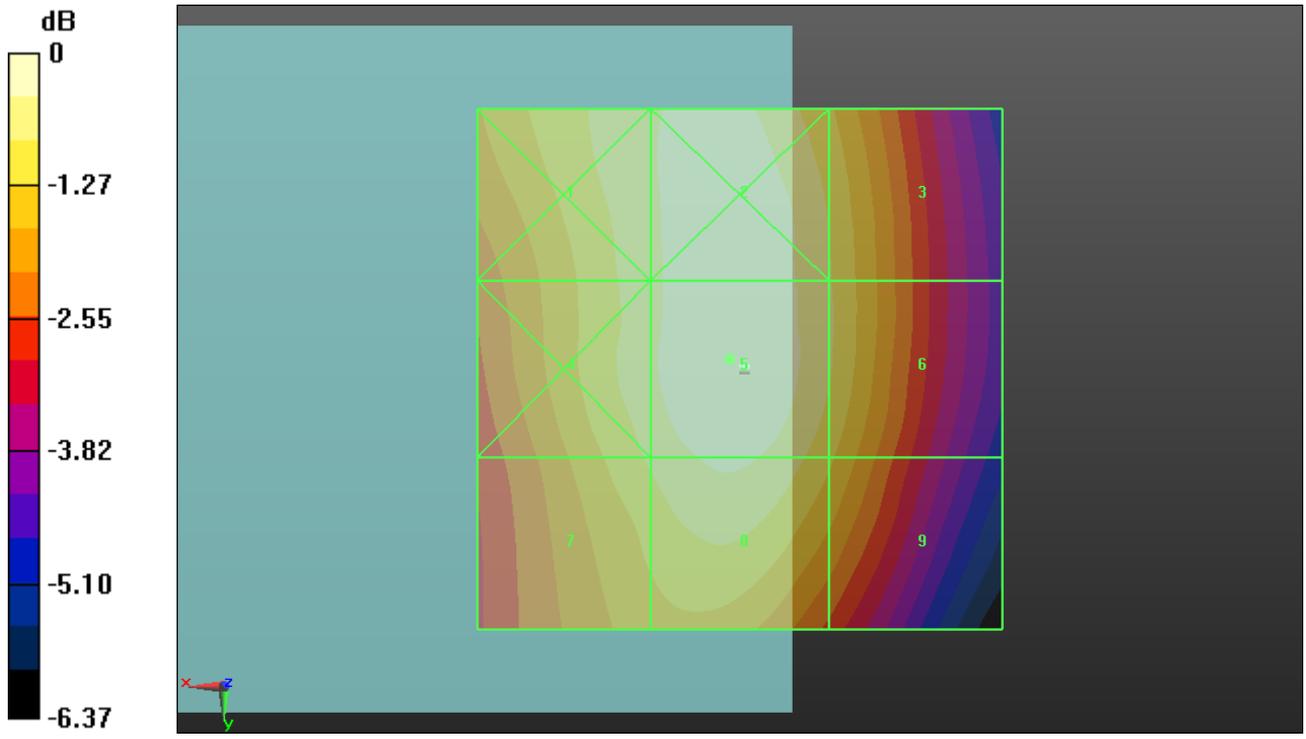
| | | |
|--|--|--|
| Grid 1 M4 38.1 dBV/m | Grid 2 M4 38.5 dBV/m | Grid 3 M4 37.76 dBV/m |
| Grid 4 M4 38.07 dBV/m | Grid 5 M4 38.56 dBV/m | Grid 6 M4 37.79 dBV/m |
| Grid 7 M4 37.78 dBV/m | Grid 8 M4 38.22 dBV/m | Grid 9 M4 37.38 dBV/m |

Cursor:

Total = 38.56 dBV/m

E Category: M4

Location: 1, -1, 9.7 mm



0 dB = 84.76 V/m = 38.56 dBV/m

#03 HAC RF_GSM850_GSM_Voice_Ch251_E

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012.12.12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch251/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 69.65 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.44 dBV/m

Emission category: M4

MIF scaled E-field

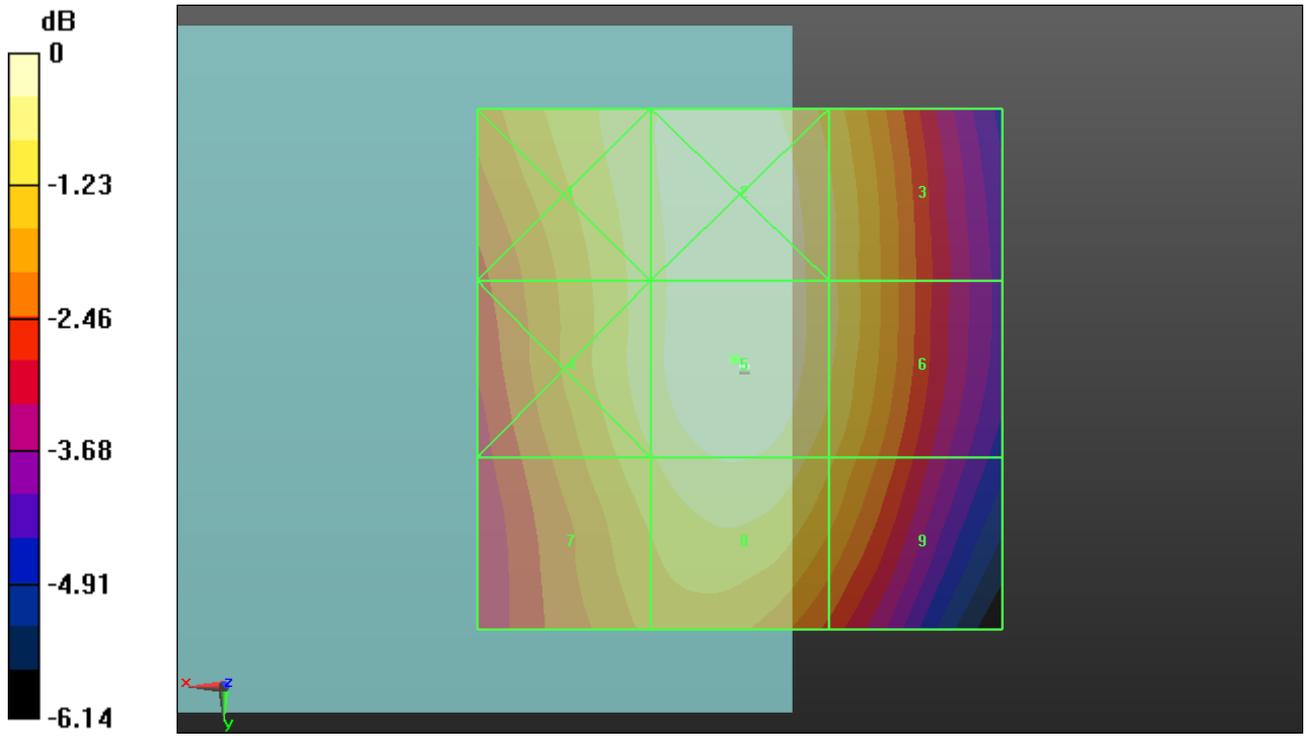
| | | |
|--|--|--|
| Grid 1 M4 37 dBV/m | Grid 2 M4 37.39 dBV/m | Grid 3 M4 36.74 dBV/m |
| Grid 4 M4 36.9 dBV/m | Grid 5 M4 37.44 dBV/m | Grid 6 M4 36.77 dBV/m |
| Grid 7 M4 36.58 dBV/m | Grid 8 M4 37.06 dBV/m | Grid 9 M4 36.31 dBV/m |

Cursor:

Total = 37.44 dBV/m

E Category: M4

Location: 0.5, -1, 9.7 mm



0 dB = 74.49 V/m = 37.44 dBV/m

#04 HAC RF_GSM1900_GSM_Voice_Ch512_E

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012.12.12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch512/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.71 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.93 dBV/m

Emission category: M4

MIF scaled E-field

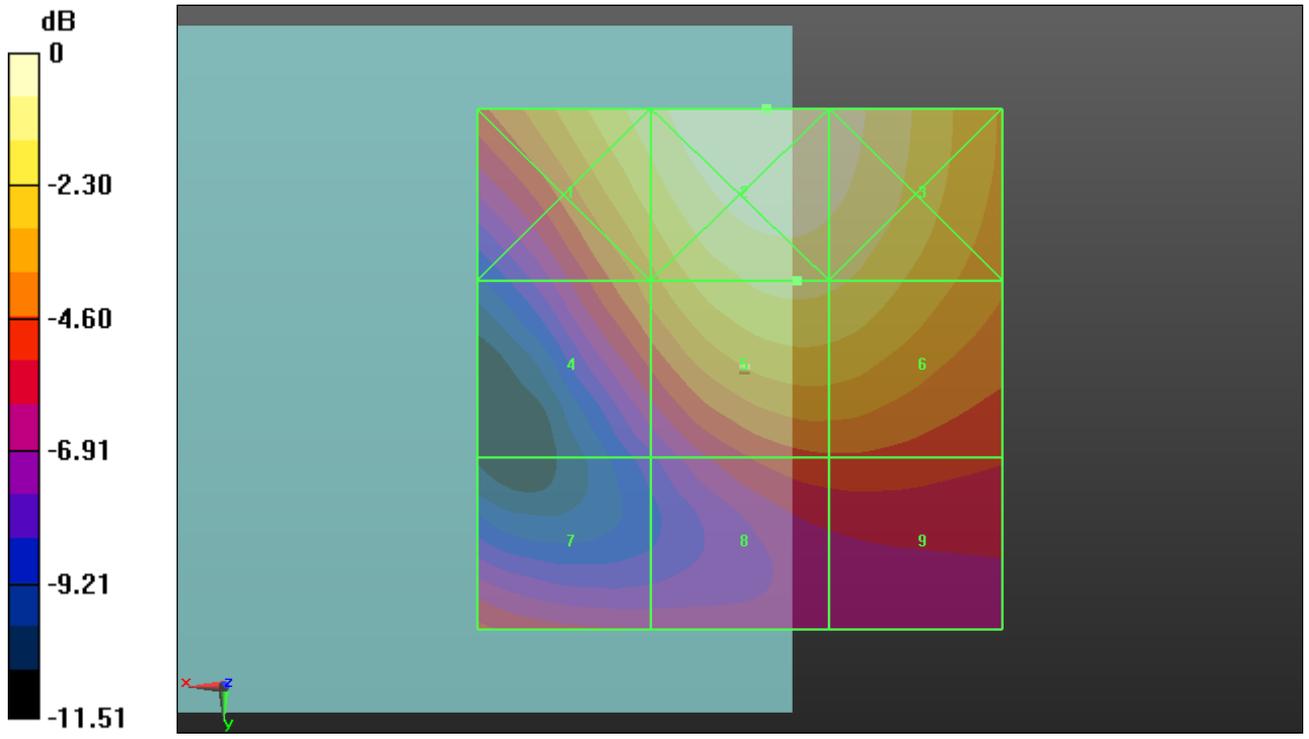
| | | |
|--|--|--|
| Grid 1 M3 30.14 dBV/m | Grid 2 M3 31.19 dBV/m | Grid 3 M3 30.87 dBV/m |
| Grid 4 M4 27.84 dBV/m | Grid 5 M4 29.93 dBV/m | Grid 6 M4 29.81 dBV/m |
| Grid 7 M4 26.11 dBV/m | Grid 8 M4 26.49 dBV/m | Grid 9 M4 26.5 dBV/m |

Cursor:

Total = 31.19 dBV/m

E Category: M3

Location: -2.5, -25, 9.7 mm



0 dB = 36.26 V/m = 31.19 dBV/m

#05 HAC RF_GSM1900_GSM_Voice_Ch661_E

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012.12.12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch661/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 22.54 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.11 dBV/m

Emission category: M3

MIF scaled E-field

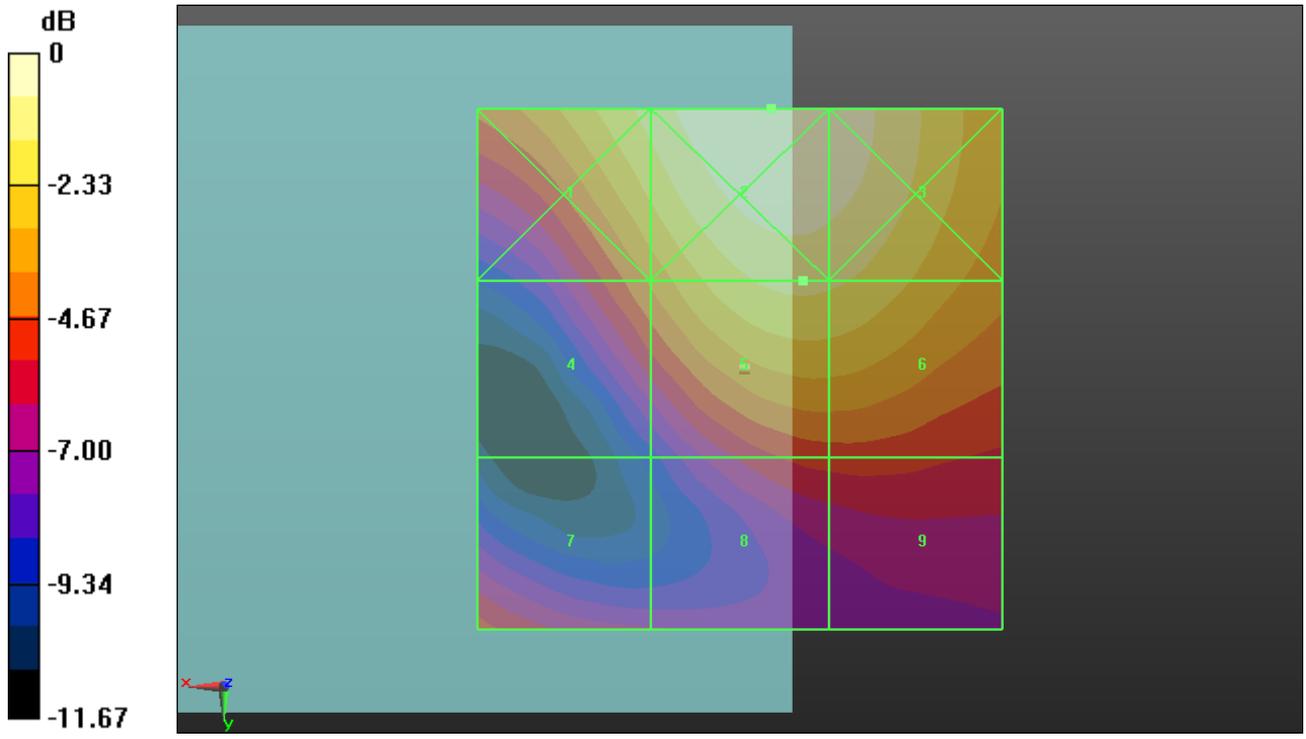
| | | |
|--|--|--|
| Grid 1 M3 30.21 dBV/m | Grid 2 M3 31.44 dBV/m | Grid 3 M3 31.2 dBV/m |
| Grid 4 M4 27.71 dBV/m | Grid 5 M3 30.11 dBV/m | Grid 6 M3 30.02 dBV/m |
| Grid 7 M4 26.41 dBV/m | Grid 8 M4 26.37 dBV/m | Grid 9 M4 26.42 dBV/m |

Cursor:

Total = 31.44 dBV/m

E Category: M3

Location: -3, -25, 9.7 mm



0 dB = 37.32 V/m = 31.44 dBV/m

#06 HAC RF_GSM1900_GSM_Voice_Ch810_E

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012.12.12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch810/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=5mm, dy=5mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.44 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.00 dBV/m

Emission category: M3

MIF scaled E-field

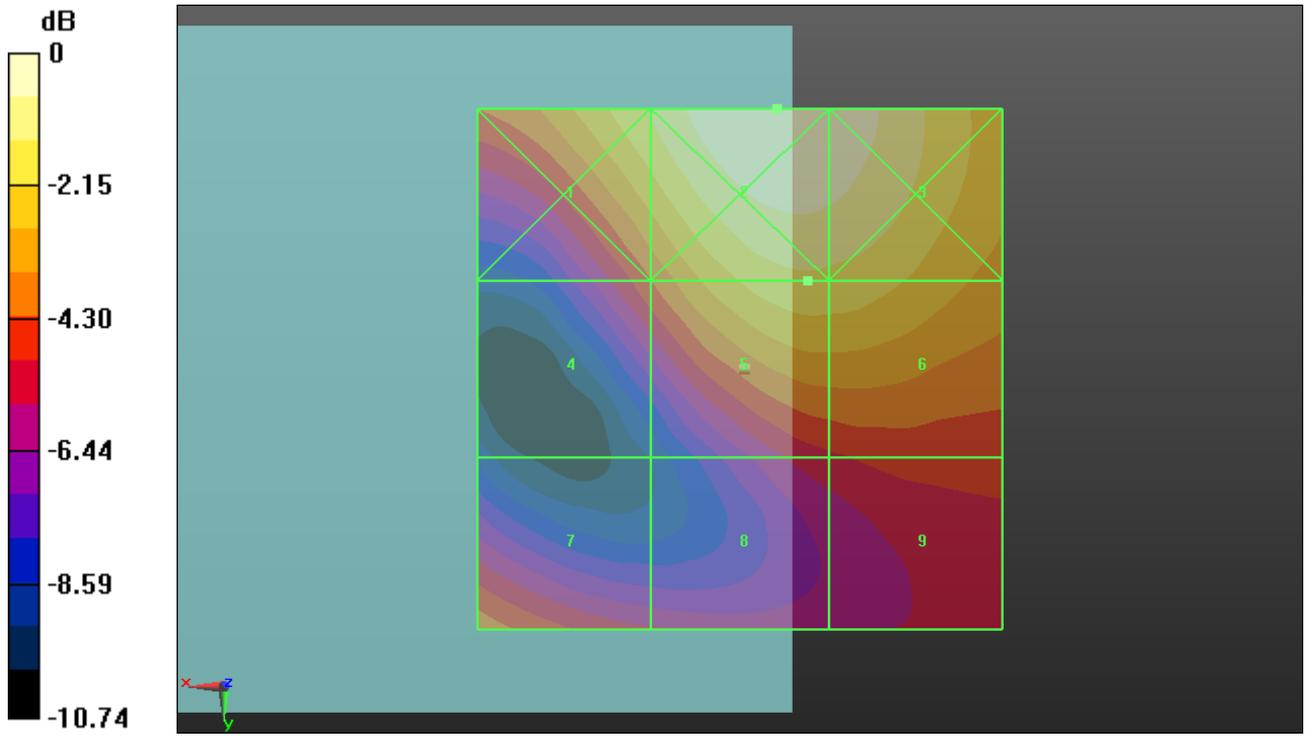
| | | |
|--|--|--|
| Grid 1 M3 30.26 dBV/m | Grid 2 M3 31.58 dBV/m | Grid 3 M3 31.4 dBV/m |
| Grid 4 M4 27.28 dBV/m | Grid 5 M3 30 dBV/m | Grid 6 M4 29.96 dBV/m |
| Grid 7 M4 27.79 dBV/m | Grid 8 M4 26.42 dBV/m | Grid 9 M4 26.89 dBV/m |

Cursor:

Total = 31.58 dBV/m

E Category: M3

Location: -3.5, -25, 9.7 mm



0 dB = 37.92 V/m = 31.58 dBV/m