

#01 HAC RF_E_GSM850_Ch128

DUT: 341002A

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.7

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E_Ch128/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 = 87.82 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.92 dBV/m

Emission category: M4

MIF scaled E-field

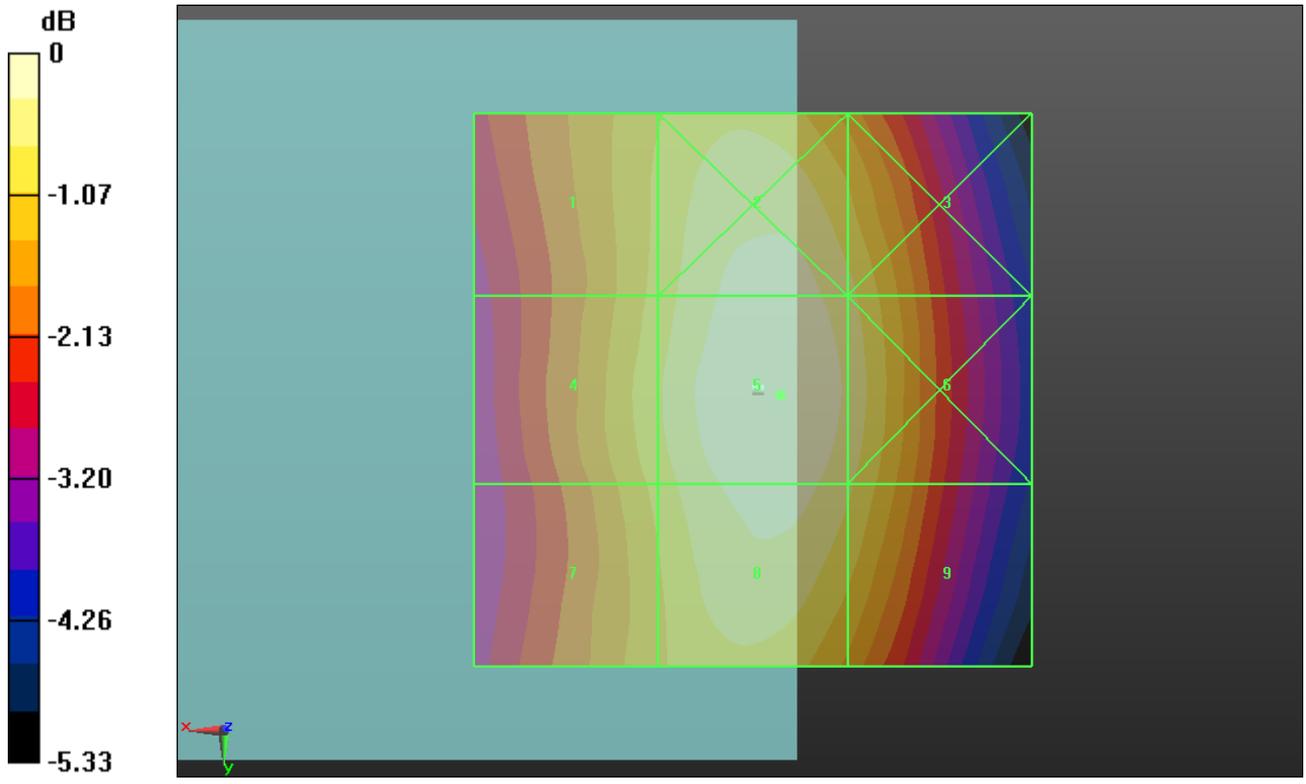
Grid 1 M4 39 dBV/m	Grid 2 M4 39.77 dBV/m	Grid 3 M4 39.33 dBV/m
Grid 4 M4 39.17 dBV/m	Grid 5 M4 39.92 dBV/m	Grid 6 M4 39.5 dBV/m
Grid 7 M4 39 dBV/m	Grid 8 M4 39.73 dBV/m	Grid 9 M4 39.29 dBV/m

Cursor:

Total = 39.92 dBV/m

E Category: M4

Location: -2.5, 0.5, 8.7 mm



0 dB = 99.10 V/m = 39.92 dBV/m

#02 HAC RF_E_GSM850_Ch189

DUT: 341002A

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.7

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E_Ch189/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 = 85.11 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.73 dBV/m

Emission category: M4

MIF scaled E-field

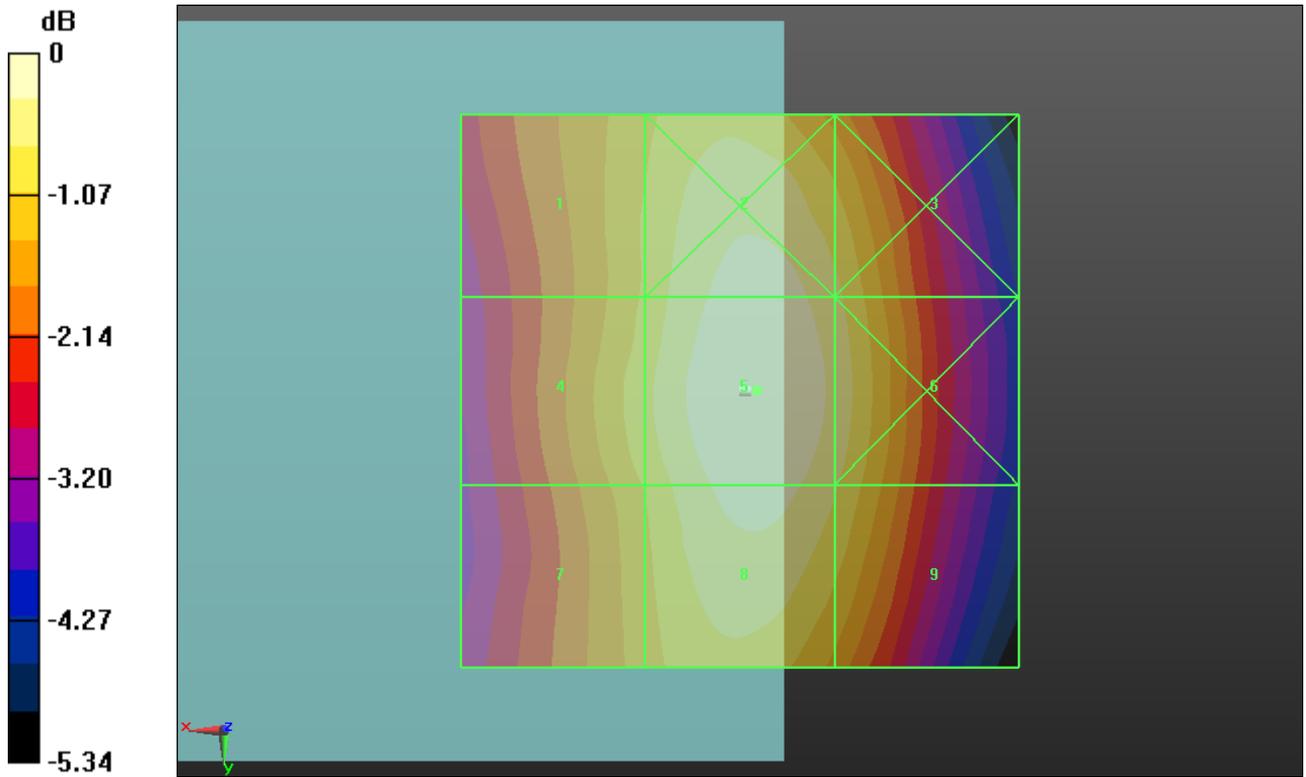
Grid 1 M4 38.73 dBV/m	Grid 2 M4 39.55 dBV/m	Grid 3 M4 39.12 dBV/m
Grid 4 M4 38.92 dBV/m	Grid 5 M4 39.73 dBV/m	Grid 6 M4 39.28 dBV/m
Grid 7 M4 38.71 dBV/m	Grid 8 M4 39.53 dBV/m	Grid 9 M4 39.07 dBV/m

Cursor:

Total = 39.73 dBV/m

E Category: M4

Location: -1.5, 0, 8.7 mm



0 dB = 96.89 V/m = 39.73 dBV/m

#03 HAC RF_E_GSM850_Ch251

DUT: 341002A

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.7

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E_Ch251/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 = 84.05 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.60 dBV/m

Emission category: M4

MIF scaled E-field

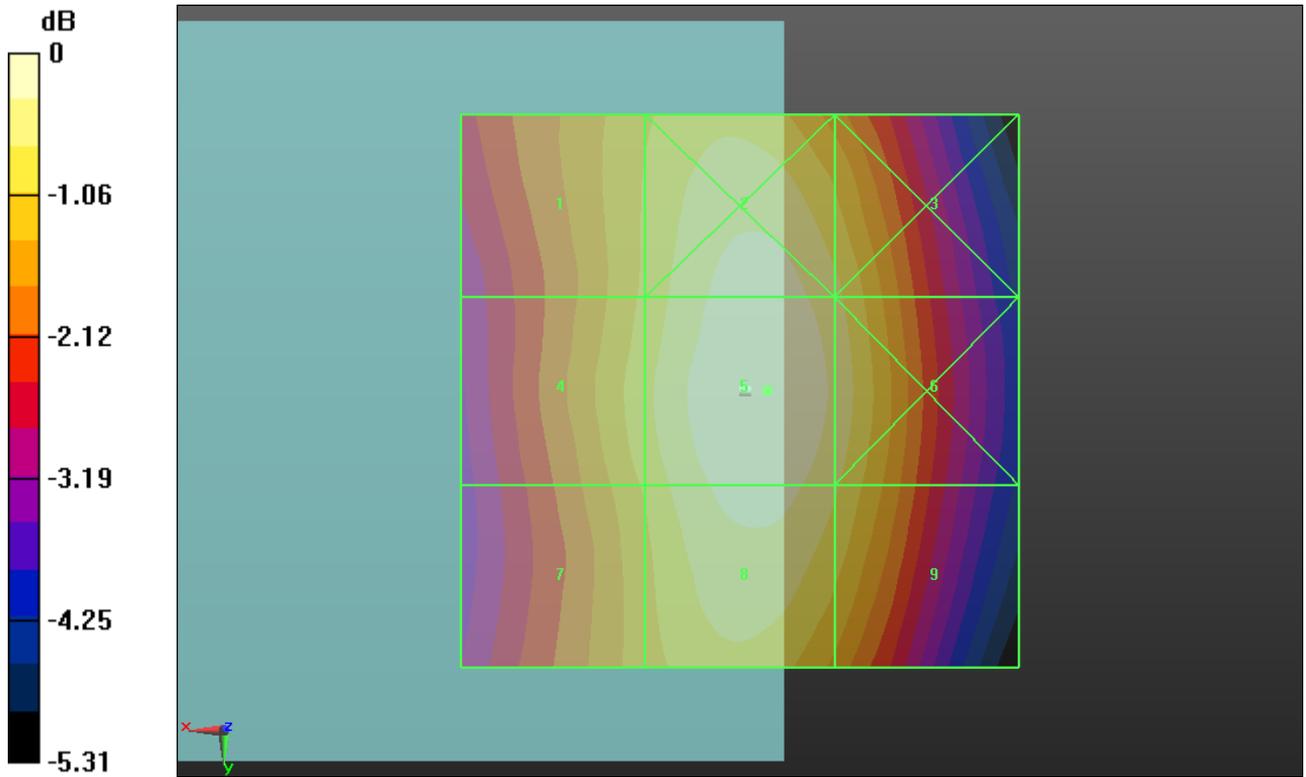
Grid 1 M4 38.63 dBV/m	Grid 2 M4 39.44 dBV/m	Grid 3 M4 39 dBV/m
Grid 4 M4 38.79 dBV/m	Grid 5 M4 39.6 dBV/m	Grid 6 M4 39.17 dBV/m
Grid 7 M4 38.6 dBV/m	Grid 8 M4 39.41 dBV/m	Grid 9 M4 38.95 dBV/m

Cursor:

Total = 39.60 dBV/m

E Category: M4

Location: -2.5, 0, 8.7 mm



0 dB = 95.47 V/m = 39.60 dBV/m

#04 HAC RF_E_GSM1900_Ch512

DUT: 341002A

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.7

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E_Ch512/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 = 21.42 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.65 dBV/m

Emission category: M3

MIF scaled E-field

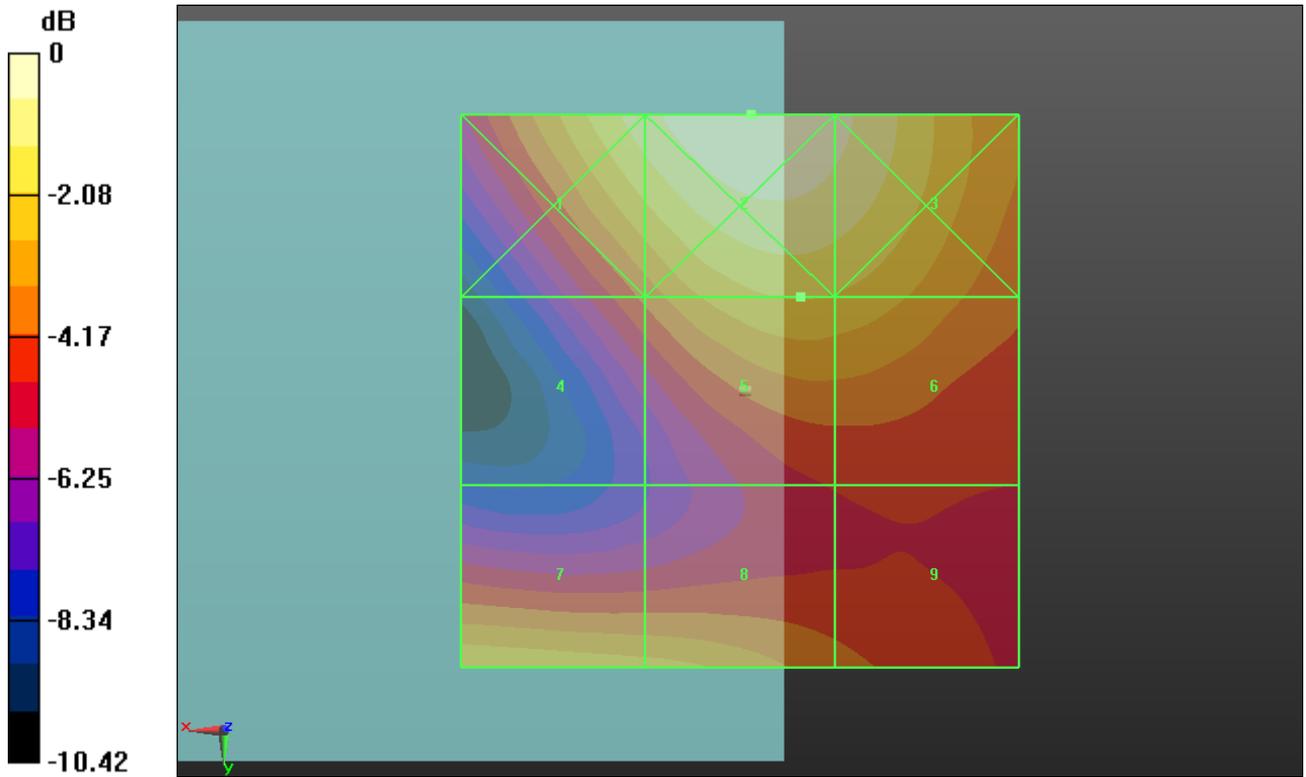
Grid 1 M3 31.74 dBV/m	Grid 2 M3 32.68 dBV/m	Grid 3 M3 32.21 dBV/m
Grid 4 M4 28.74 dBV/m	Grid 5 M3 30.65 dBV/m	Grid 6 M3 30.54 dBV/m
Grid 7 M3 30.59 dBV/m	Grid 8 M3 30.22 dBV/m	Grid 9 M4 28.83 dBV/m

Cursor:

Total = 32.68 dBV/m

E Category: M3

Location: -1, -25, 8.7 mm



0 dB = 43.05 V/m = 32.68 dBV/m

#05 HAC RF_E_GSM1900_Ch661

DUT: 341002A

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.7

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E_Ch661/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 = 17.02 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.49 dBV/m

Emission category: M4

MIF scaled E-field

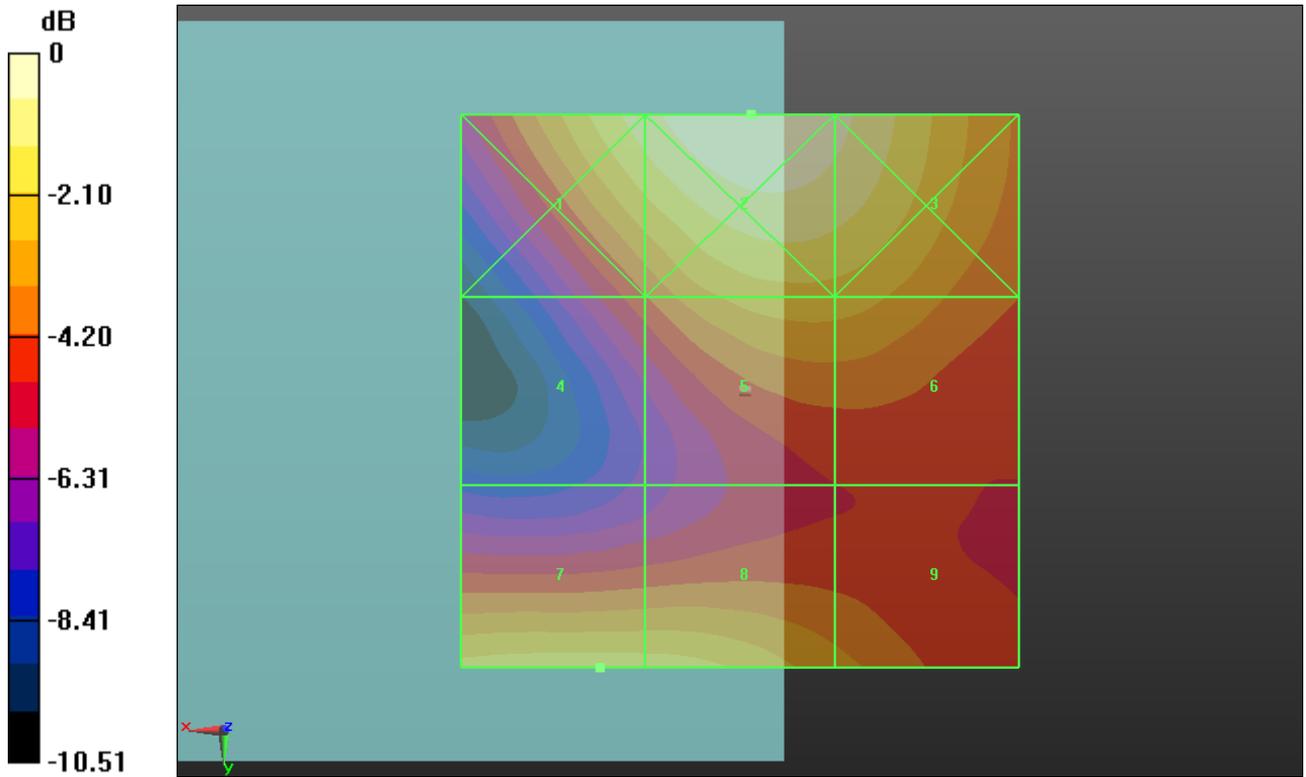
Grid 1 M3 30.16 dBV/m	Grid 2 M3 31.12 dBV/m	Grid 3 M3 30.65 dBV/m
Grid 4 M4 26.87 dBV/m	Grid 5 M4 28.78 dBV/m	Grid 6 M4 28.72 dBV/m
Grid 7 M4 29.49 dBV/m	Grid 8 M4 29.43 dBV/m	Grid 9 M4 27.93 dBV/m

Cursor:

Total = 31.12 dBV/m

E Category: M3

Location: -1, -25, 8.7 mm



0 dB = 35.98 V/m = 31.12 dBV/m

#06 HAC RF_E_GSM1900_Ch810

DUT: 341002A

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.7

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.1 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2476; ConvF(1, 1, 1); Calibrated: 2012-12-12;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

E_Ch810/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 = 14.52 V/m; Power Drift = 0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.43 dBV/m

Emission category: M4

MIF scaled E-field

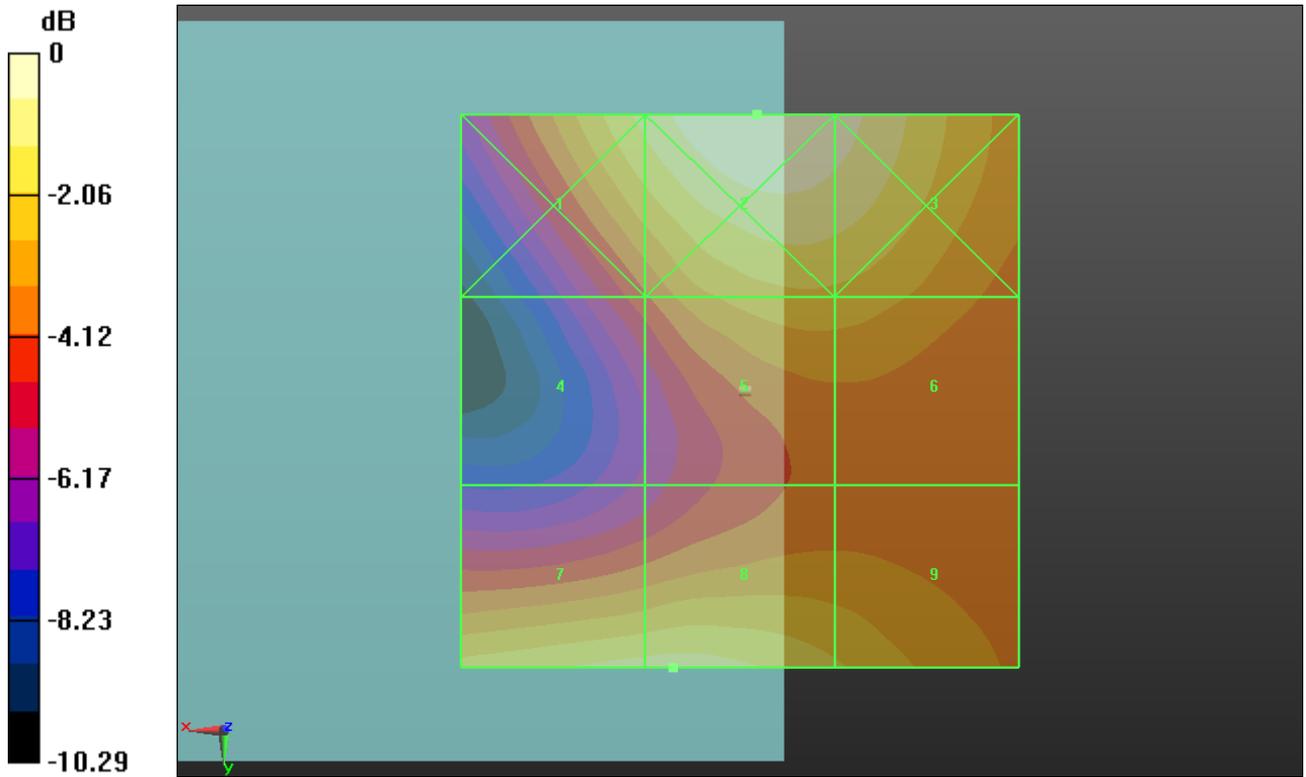
Grid 1 M4 28.33 dBV/m	Grid 2 M4 29.45 dBV/m	Grid 3 M4 29.09 dBV/m
Grid 4 M4 25.23 dBV/m	Grid 5 M4 27.27 dBV/m	Grid 6 M4 27.22 dBV/m
Grid 7 M4 28.37 dBV/m	Grid 8 M4 28.43 dBV/m	Grid 9 M4 27.51 dBV/m

Cursor:

Total = 29.45 dBV/m

E Category: M4

Location: -1.5, -25, 8.7 mm



0 dB = 29.69 V/m = 29.45 dBV/m