

#01_HAC_E_GSM850_GSM Voice_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch128/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 53.77 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.48 dBV/m

Emission category: M4

MIF scaled E-field

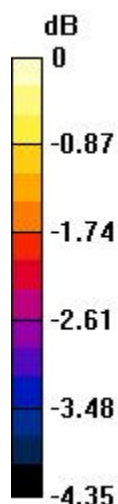
Grid 1 M4 35.27 dBV/m	Grid 2 M4 36.04 dBV/m	Grid 3 M4 35.83 dBV/m
Grid 4 M4 35.5 dBV/m	Grid 5 M4 36.4 dBV/m	Grid 6 M4 36.18 dBV/m
Grid 7 M4 35.65 dBV/m	Grid 8 M4 36.48 dBV/m	Grid 9 M4 36.23 dBV/m

Cursor:

Total = 36.48 dBV/m

E Category: M4

Location: -3.5, 15.5, 8.7 mm



0 dB = 66.68 V/m = 36.48 dBV/m

#02_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**Ch189/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 53.34 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.40 dBV/m

Emission category: M4

MIF scaled E-field

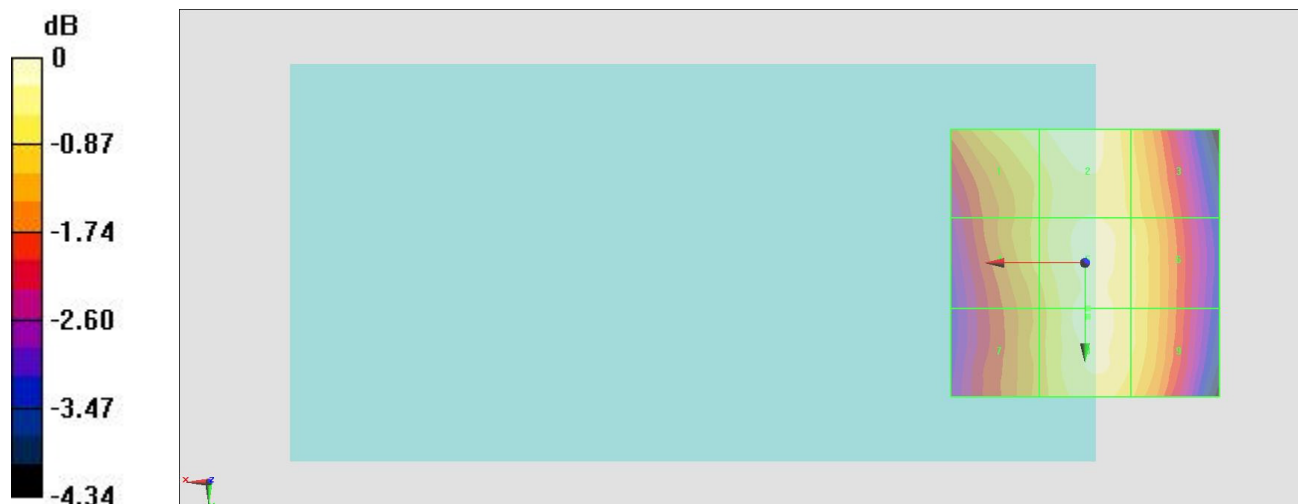
Grid 1 M4 36.03 dBV/m	Grid 2 M4 36.29 dBV/m	Grid 3 M4 35.79 dBV/m
Grid 4 M4 35.68 dBV/m	Grid 5 M4 36.34 dBV/m	Grid 6 M4 35.91 dBV/m
Grid 7 M4 35.43 dBV/m	Grid 8 M4 36.4 dBV/m	Grid 9 M4 35.9 dBV/m

Cursor:

Total = 36.40 dBV/m

E Category: M4

Location: -0.5, 10, 8.7 mm



#03_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch251/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 58.33 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.90 dBV/m

Emission category: M4

MIF scaled E-field

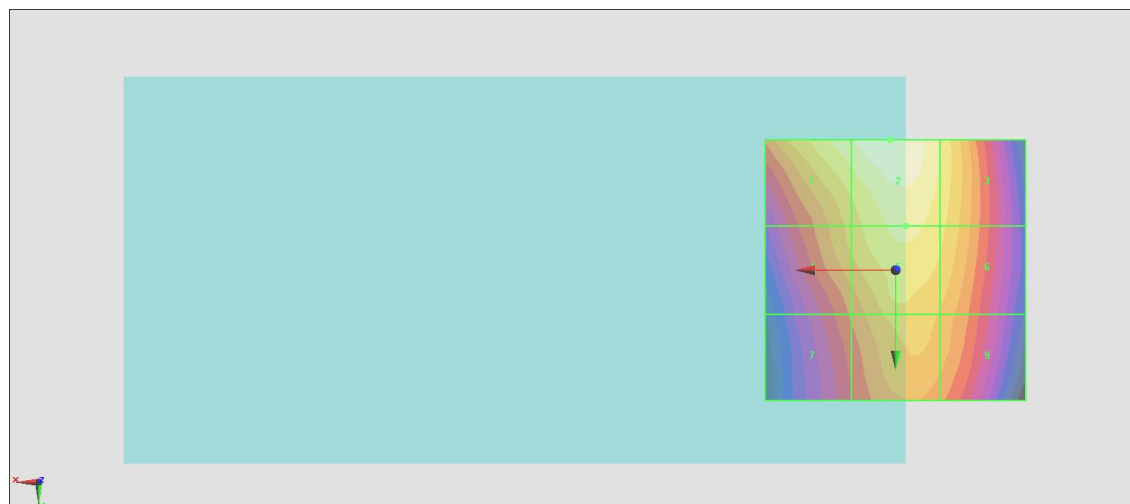
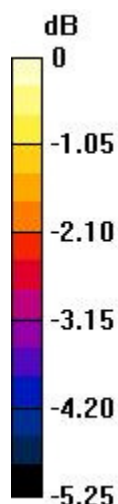
Grid 1 M4 37.54 dBV/m	Grid 2 M4 37.9 dBV/m	Grid 3 M4 37.2 dBV/m
Grid 4 M4 36.65 dBV/m	Grid 5 M4 37.29 dBV/m	Grid 6 M4 36.97 dBV/m
Grid 7 M4 35.87 dBV/m	Grid 8 M4 36.72 dBV/m	Grid 9 M4 36.47 dBV/m

Cursor:

Total = 37.90 dBV/m

E Category: M4

Location: 1, -25, 8.7 mm



0 dB = 78.51 V/m = 37.90 dBV/m

#04_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch251/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 58.36 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.88 dBV/m

Emission category: M4

MIF scaled E-field

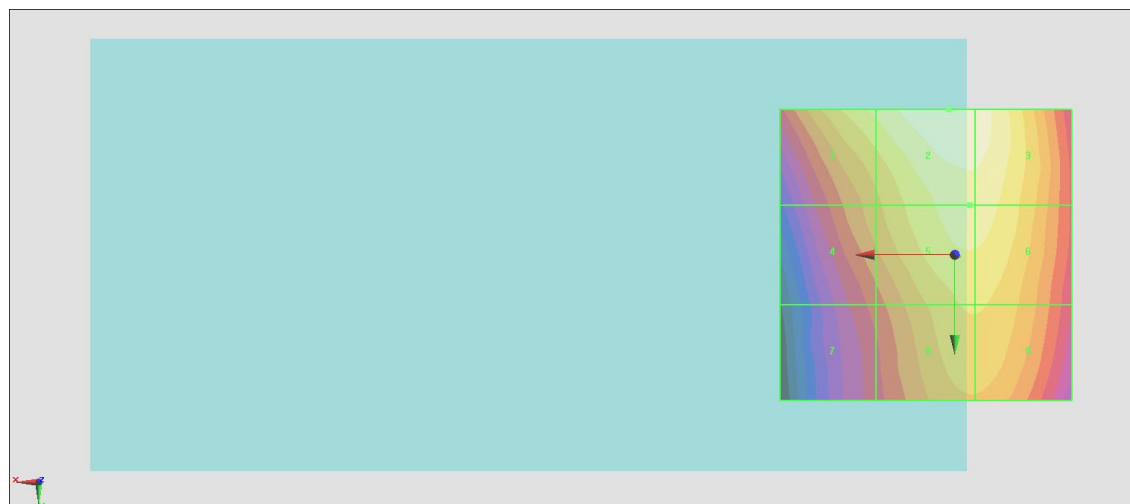
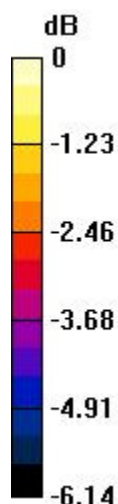
Grid 1 M4 37.2 dBV/m	Grid 2 M4 37.88 dBV/m	Grid 3 M4 37.73 dBV/m
Grid 4 M4 36.13 dBV/m	Grid 5 M4 37.29 dBV/m	Grid 6 M4 37.28 dBV/m
Grid 7 M4 35.24 dBV/m	Grid 8 M4 36.7 dBV/m	Grid 9 M4 36.7 dBV/m

Cursor:

Total = 37.88 dBV/m

E Category: M4

Location: 1, -25, 8.7 mm



0 dB = 78.34 V/m = 37.88 dBV/m

#05_HAC_E_GSM1900_GSM Voice_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch512/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.171 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.38 dBV/m

Emission category: M4

MIF scaled E-field

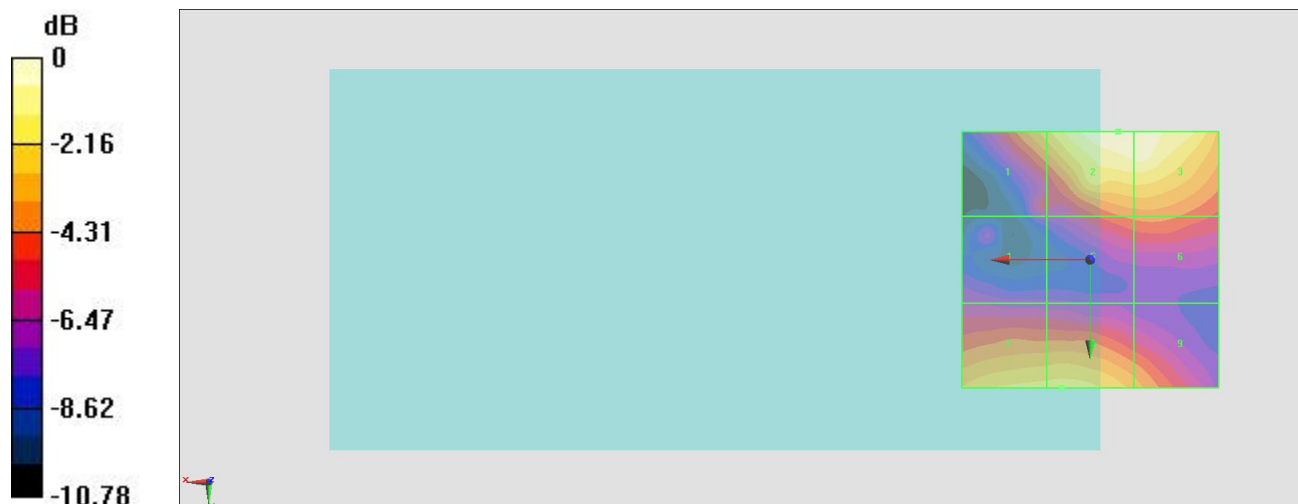
Grid 1 M4 27.01 dBV/m	Grid 2 M4 29.38 dBV/m	Grid 3 M4 29.27 dBV/m
Grid 4 M4 23.05 dBV/m	Grid 5 M4 25.31 dBV/m	Grid 6 M4 25.43 dBV/m
Grid 7 M4 27.54 dBV/m	Grid 8 M4 27.6 dBV/m	Grid 9 M4 26.23 dBV/m

Cursor:

Total = 29.38 dBV/m

E Category: M4

Location: -5.5, -25, 8.7 mm



0 dB = 29.46 V/m = 29.38 dBV/m

#06_HAC_E_GSM1900_GSM Voice_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch661/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 8.865 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.18 dBV/m

Emission category: M4

MIF scaled E-field

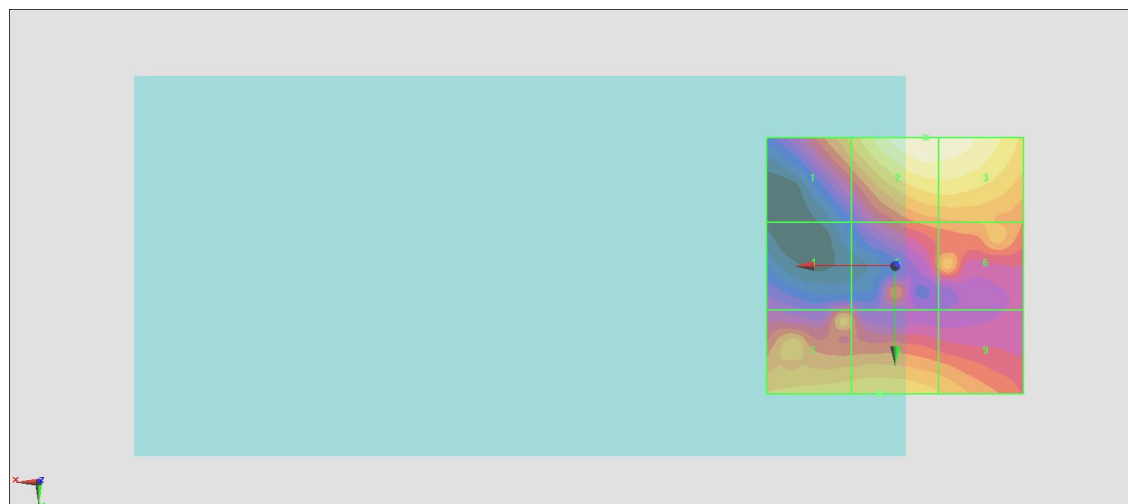
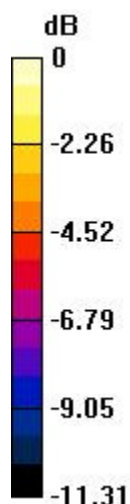
Grid 1 M4 26.43 dBV/m	Grid 2 M4 29.18 dBV/m	Grid 3 M4 29.12 dBV/m
Grid 4 M4 23.63 dBV/m	Grid 5 M4 25.11 dBV/m	Grid 6 M4 25.84 dBV/m
Grid 7 M4 26.8 dBV/m	Grid 8 M4 26.94 dBV/m	Grid 9 M4 26.3 dBV/m

Cursor:

Total = 29.18 dBV/m

E Category: M4

Location: -6, -25, 8.7 mm



0 dB = 28.76 V/m = 29.18 dBV/m

#07_HAC_E_GSM1900_GSM Voice_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch810/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 8.560 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.34 dBV/m

Emission category: M4

MIF scaled E-field

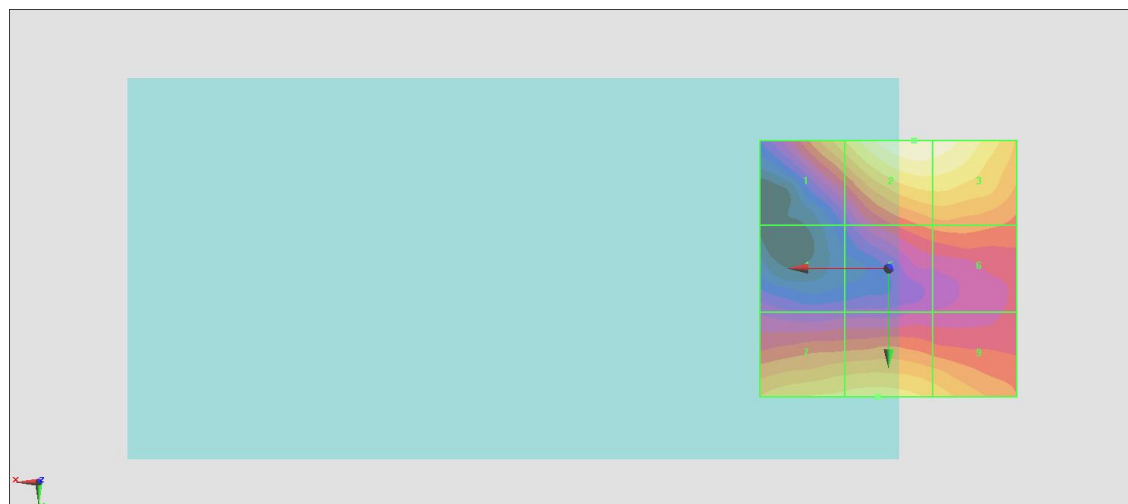
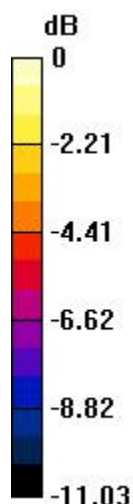
Grid 1 M4 26.16 dBV/m	Grid 2 M4 28.34 dBV/m	Grid 3 M4 28.18 dBV/m
Grid 4 M4 21.62 dBV/m	Grid 5 M4 24.25 dBV/m	Grid 6 M4 24.4 dBV/m
Grid 7 M4 26.37 dBV/m	Grid 8 M4 26.54 dBV/m	Grid 9 M4 25.93 dBV/m

Cursor:

Total = 28.34 dBV/m

E Category: M4

Location: -5, -25, 8.7 mm



0 dB = 26.14 V/m = 28.35 dBV/m

#08_HAC_E_GSM1900_GSM Voice_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2016/10/10
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Ch512/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.030 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.91 dBV/m

Emission category: M4

MIF scaled E-field

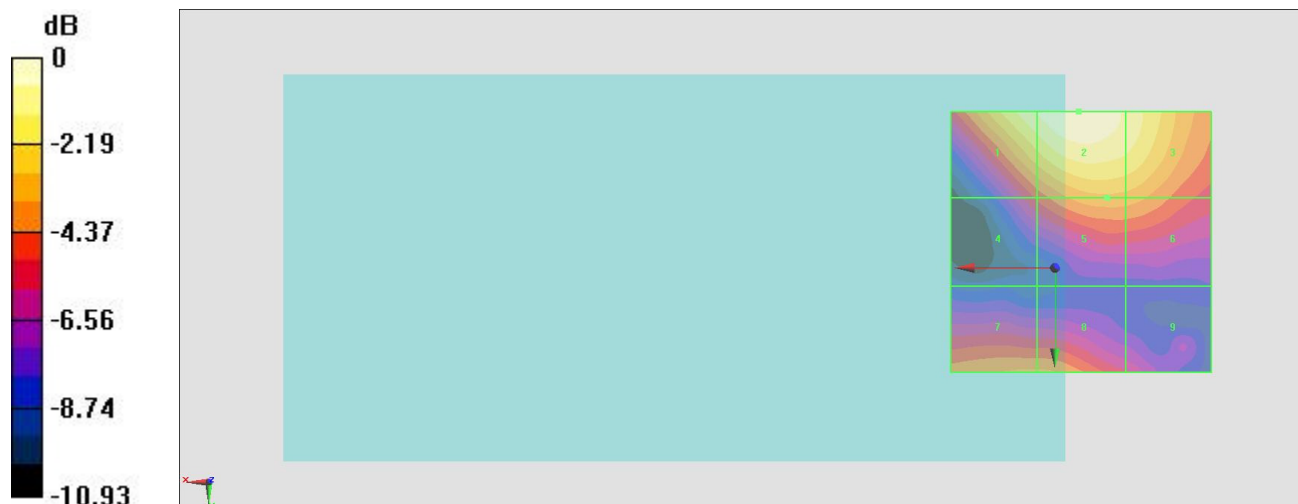
Grid 1 M4 29.24 dBV/m	Grid 2 M4 29.91 dBV/m	Grid 3 M4 29.07 dBV/m
Grid 4 M4 25 dBV/m	Grid 5 M4 26.8 dBV/m	Grid 6 M4 26.7 dBV/m
Grid 7 M4 26.46 dBV/m	Grid 8 M4 26.45 dBV/m	Grid 9 M4 24.24 dBV/m

Cursor:

Total = 29.91 dBV/m

E Category: M4

Location: -4.5, -30, 8.7 mm



0 dB = 31.29 V/m = 29.91 dBV/m