

#01_HAC_E_GSM850_GSM Voice_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 55.90 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.88 dBV/m

Emission category: M4

MIF scaled E-field

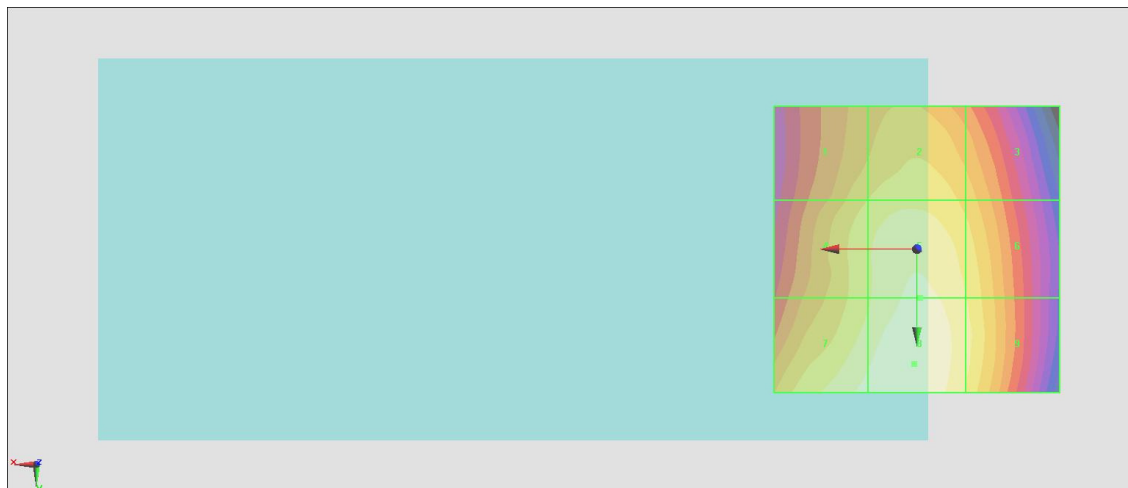
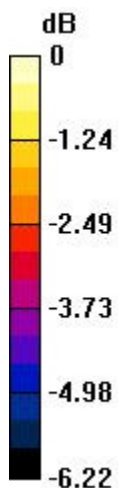
Grid 1 M4 35.66 dBV/m	Grid 2 M4 35.96 dBV/m	Grid 3 M4 35.51 dBV/m
Grid 4 M4 36.01 dBV/m	Grid 5 M4 36.57 dBV/m	Grid 6 M4 36.07 dBV/m
Grid 7 M4 36.6 dBV/m	Grid 8 M4 36.88 dBV/m	Grid 9 M4 36.22 dBV/m

Cursor:

Total = 36.88 dBV/m

E Category: M4

Location: 0.5, 20, 8.7 mm



0 dB = 69.83 V/m = 36.88 dBV/m

#02_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 61.77 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.82 dBV/m

Emission category: M4

MIF scaled E-field

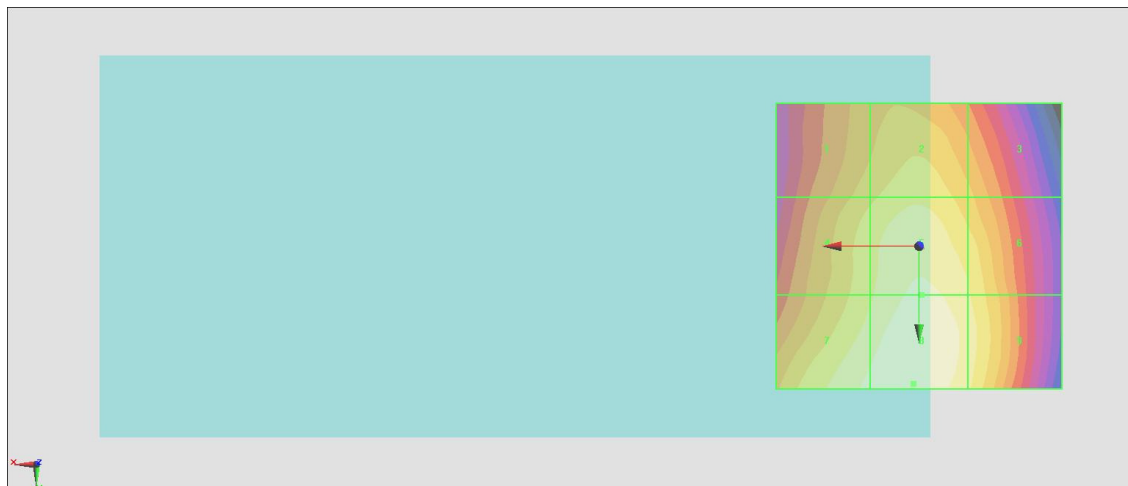
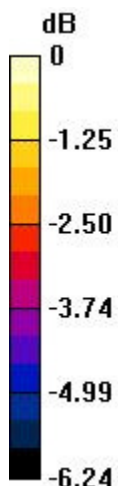
Grid 1 M4 36.48 dBV/m	Grid 2 M4 36.91 dBV/m	Grid 3 M4 36.31 dBV/m
Grid 4 M4 36.94 dBV/m	Grid 5 M4 37.49 dBV/m	Grid 6 M4 37.05 dBV/m
Grid 7 M4 37.52 dBV/m	Grid 8 M4 37.82 dBV/m	Grid 9 M4 37.24 dBV/m

Cursor:

Total = 37.82 dBV/m

E Category: M4

Location: 1, 24, 8.7 mm



0 dB = 77.79 V/m = 37.82 dBV/m

#03_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 58.15 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.16 dBV/m

Emission category: M4

MIF scaled E-field

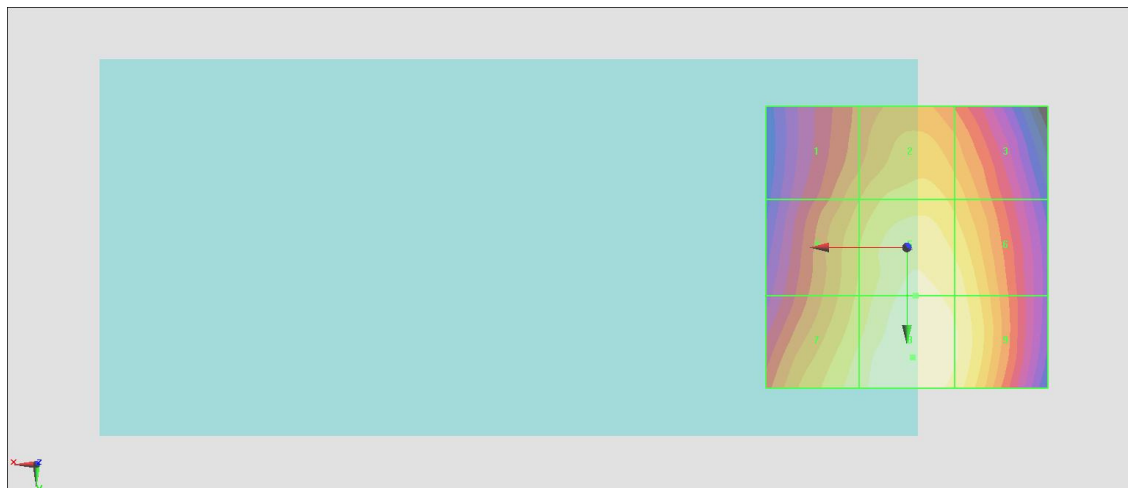
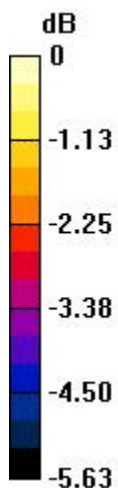
Grid 1 M4 35.64 dBV/m	Grid 2 M4 36.23 dBV/m	Grid 3 M4 35.91 dBV/m
Grid 4 M4 36.11 dBV/m	Grid 5 M4 36.91 dBV/m	Grid 6 M4 36.65 dBV/m
Grid 7 M4 36.64 dBV/m	Grid 8 M4 37.16 dBV/m	Grid 9 M4 36.83 dBV/m

Cursor:

Total = 37.16 dBV/m

E Category: M4

Location: -1, 19.5, 8.7 mm



0 dB = 72.07 V/m = 37.16 dBV/m

#04_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 52.95 V/m; Power Drift = -0.10 dB
 Applied MIF = 3.63 dB
 RF audio interference level = 36.33 dBV/m

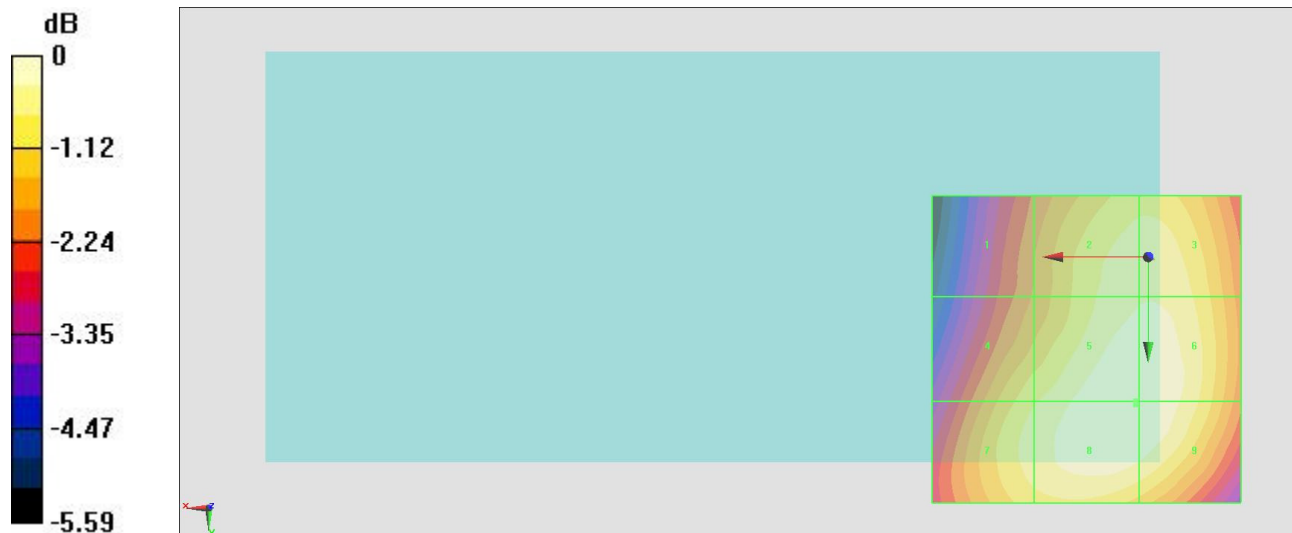
Emission category: M4

MIF scaled E-field

Grid 1 M4 34.54 dBV/m	Grid 2 M4 35.92 dBV/m	Grid 3 M4 35.95 dBV/m
Grid 4 M4 35.54 dBV/m	Grid 5 M4 36.33 dBV/m	Grid 6 M4 36.33 dBV/m
Grid 7 M4 35.8 dBV/m	Grid 8 M4 36.33 dBV/m	Grid 9 M4 36.33 dBV/m

Cursor:

Total = 36.33 dBV/m
 E Category: M4
 Location: 2, 24, 8.7 mm



0 dB = 65.54 V/m = 36.33 dBV/m

#05_HAC_E_GSM1900_GSM Voice_Ch512

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

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

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 13.21 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.39 dBV/m

Emission category: M4

MIF scaled E-field

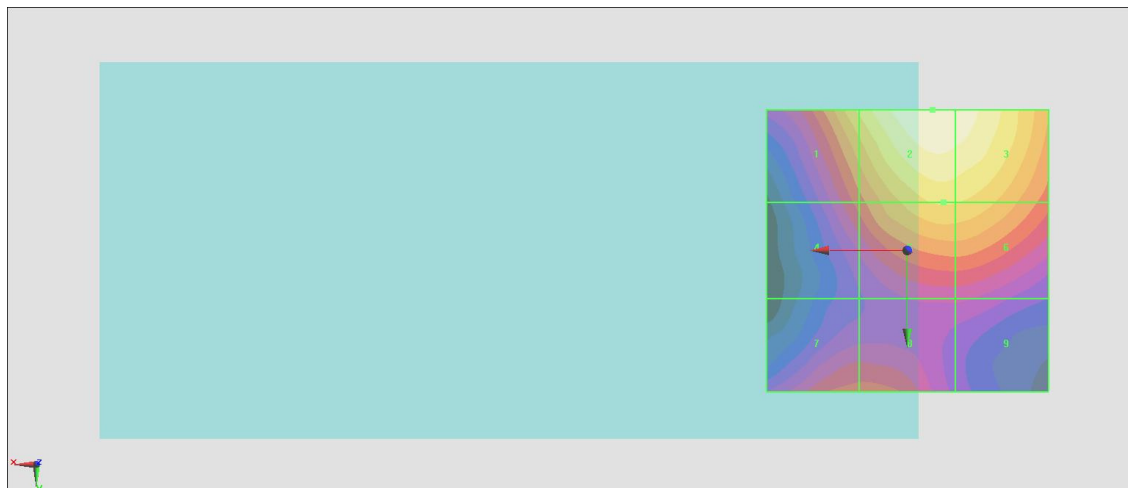
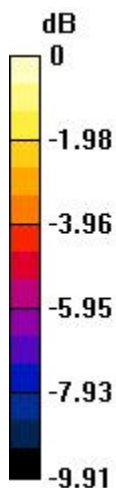
Grid 1 M4 26.61 dBV/m	Grid 2 M4 28.39 dBV/m	Grid 3 M4 28.16 dBV/m
Grid 4 M4 24.12 dBV/m	Grid 5 M4 26.48 dBV/m	Grid 6 M4 26.43 dBV/m
Grid 7 M4 24.07 dBV/m	Grid 8 M4 24.1 dBV/m	Grid 9 M4 22.62 dBV/m

Cursor:

Total = 28.39 dBV/m

E Category: M4

Location: -4.5, -25, 8.7 mm



0 dB = 26.26 V/m = 28.39 dBV/m

#06_HAC_E_GSM1900_GSM Voice_Ch661

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

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

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 13.19 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.31 dBV/m

Emission category: M4

MIF scaled E-field

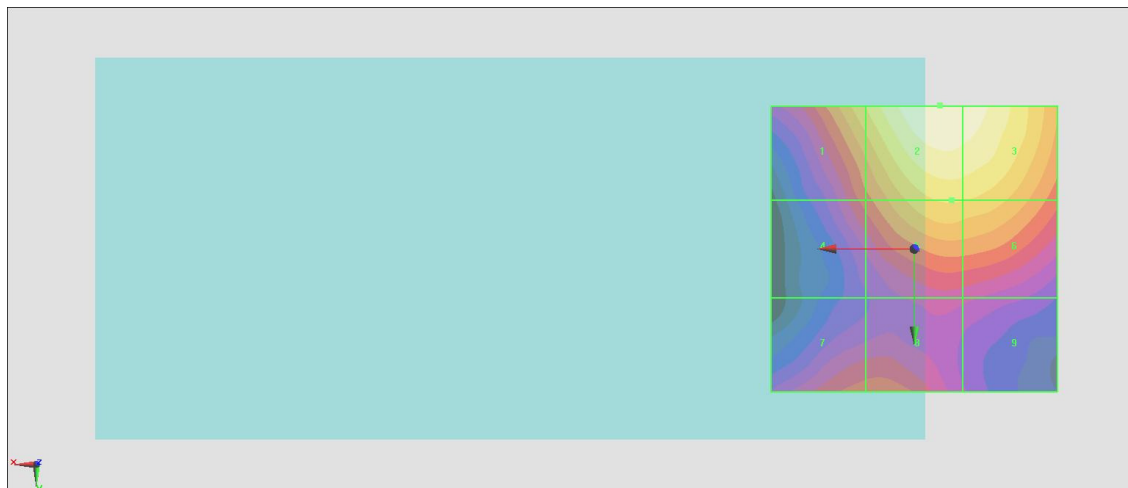
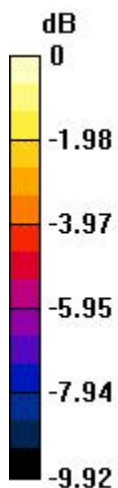
Grid 1 M4 26.4 dBV/m	Grid 2 M4 28.31 dBV/m	Grid 3 M4 28.13 dBV/m
Grid 4 M4 24.05 dBV/m	Grid 5 M4 26.41 dBV/m	Grid 6 M4 26.35 dBV/m
Grid 7 M4 24.05 dBV/m	Grid 8 M4 24.15 dBV/m	Grid 9 M4 22.61 dBV/m

Cursor:

Total = 28.31 dBV/m

E Category: M4

Location: -4.5, -25, 8.7 mm



0 dB = 26.03 V/m = 28.31 dBV/m

#07_HAC_E_GSM1900_GSM Voice_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 13.29 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.30 dBV/m

Emission category: M4

MIF scaled E-field

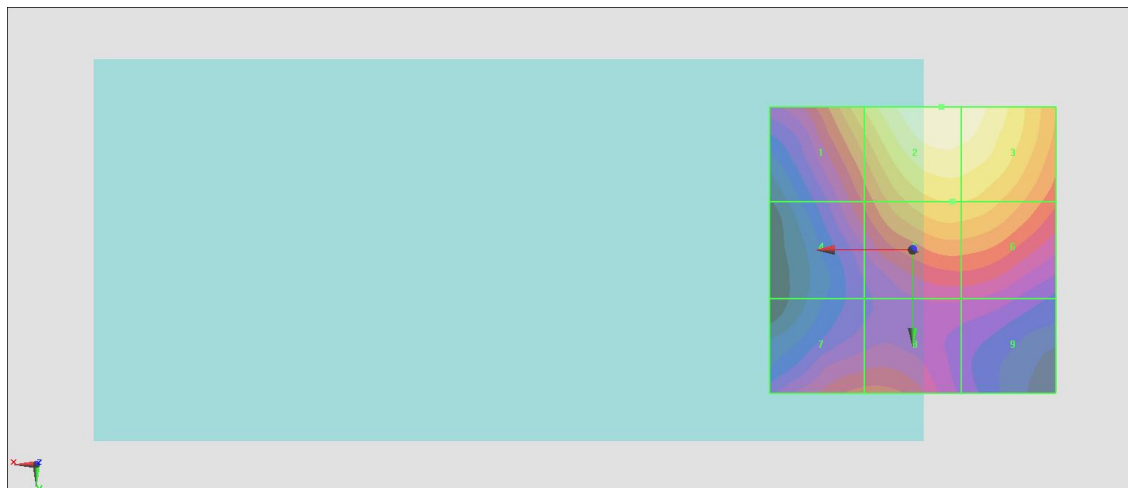
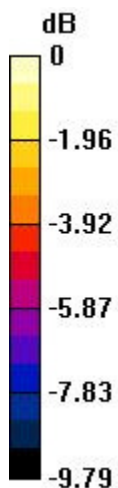
Grid 1 M4 26.43 dBV/m	Grid 2 M4 28.3 dBV/m	Grid 3 M4 28.13 dBV/m
Grid 4 M4 23.9 dBV/m	Grid 5 M4 26.38 dBV/m	Grid 6 M4 26.36 dBV/m
Grid 7 M4 24.01 dBV/m	Grid 8 M4 24.05 dBV/m	Grid 9 M4 22.55 dBV/m

Cursor:

Total = 28.30 dBV/m

E Category: M4

Location: -5, -25, 8.7 mm



0 dB = 25.99 V/m = 28.30 dBV/m

#08_HAC_E_GSM1900_GSM Voice_Ch512

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

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

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 17.11 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.79 dBV/m

Emission category: M4

MIF scaled E-field

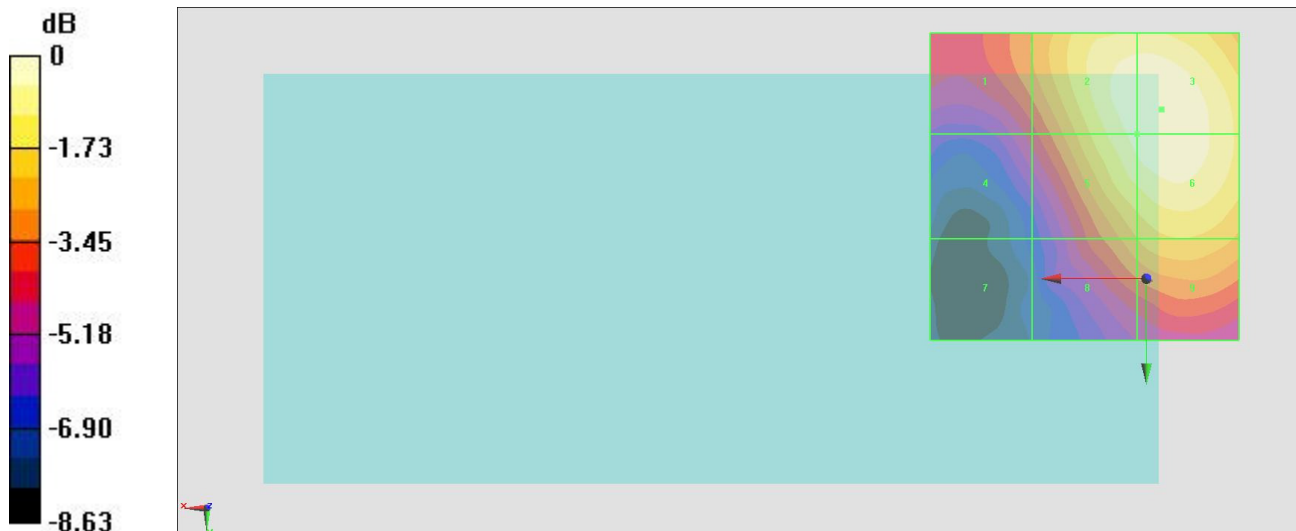
Grid 1 M4 26.97 dBV/m	Grid 2 M4 29.65 dBV/m	Grid 3 M4 29.79 dBV/m
Grid 4 M4 25.52 dBV/m	Grid 5 M4 29.44 dBV/m	Grid 6 M4 29.73 dBV/m
Grid 7 M4 23.16 dBV/m	Grid 8 M4 27.49 dBV/m	Grid 9 M4 28.07 dBV/m

Cursor:

Total = 29.79 dBV/m

E Category: M4

Location: -2.5, -27.5, 8.7 mm



0 dB = 30.88 V/m = 29.79 dBV/m