

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1338; Calibrated: 2013/11/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 96.95 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 41.21 dBV/m

Emission category: M3

MIF scaled E-field

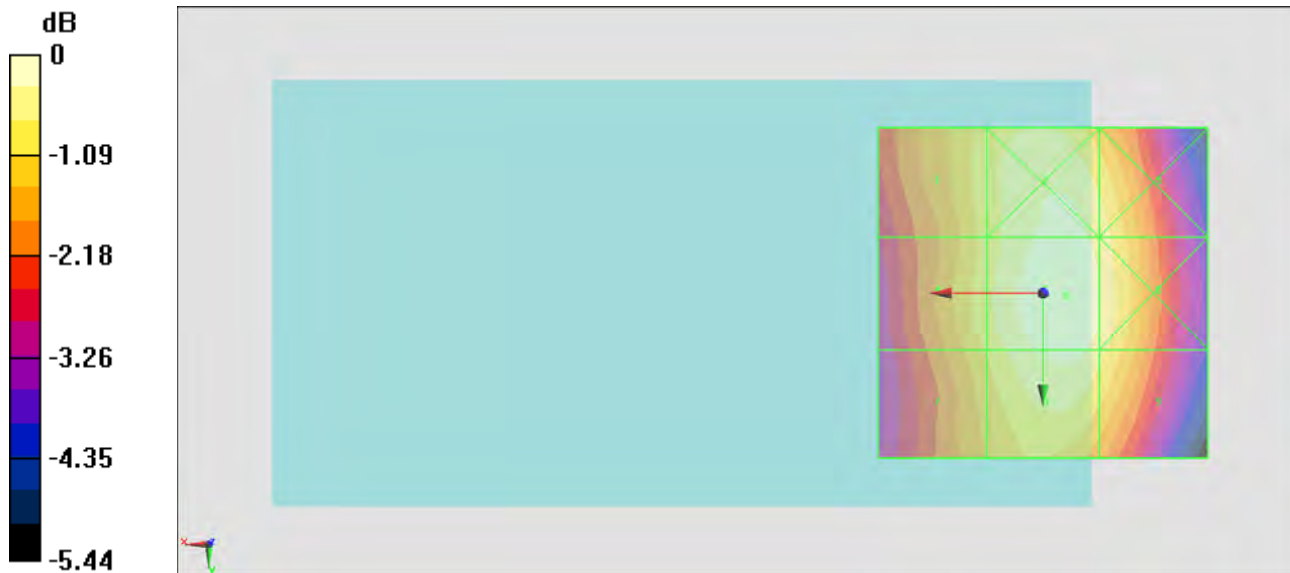
Grid 1 M3 40.34 dBV/m	Grid 2 M3 40.99 dBV/m	Grid 3 M3 40.73 dBV/m
Grid 4 M3 40.38 dBV/m	Grid 5 M3 41.21 dBV/m	Grid 6 M3 40.87 dBV/m
Grid 7 M3 40.18 dBV/m	Grid 8 M3 40.99 dBV/m	Grid 9 M3 40.65 dBV/m

Cursor:

Total = 41.21 dBV/m

E Category: M3

Location: -3.5, 0.5, 8.7 mm



0 dB = 115.0 V/m = 41.21 dBV/m

#02_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896
 Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$
 Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1338; Calibrated: 2013/11/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 89.80 V/m; Power Drift = -0.01 dB
 Applied MIF = 3.63 dB
 RF audio interference level = 40.49 dBV/m

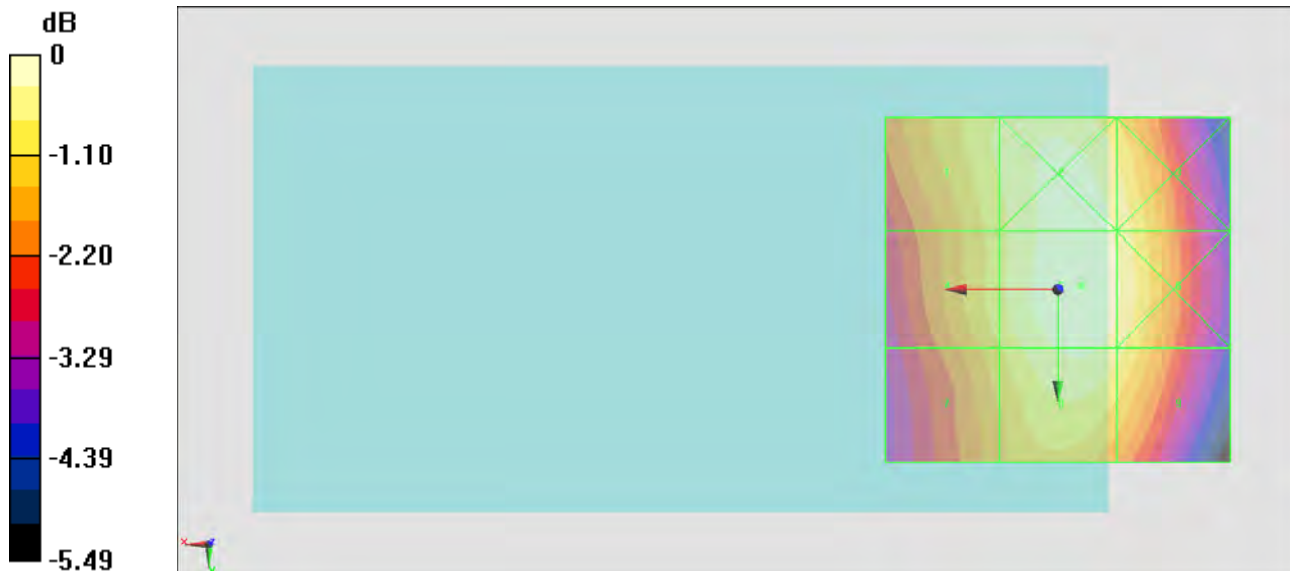
Emission category: M3

MIF scaled E-field

Grid 1 M4 39.83 dBV/m	Grid 2 M3 40.36 dBV/m	Grid 3 M3 40.08 dBV/m
Grid 4 M4 39.65 dBV/m	Grid 5 M3 40.49 dBV/m	Grid 6 M3 40.19 dBV/m
Grid 7 M4 39.36 dBV/m	Grid 8 M3 40.21 dBV/m	Grid 9 M4 39.91 dBV/m

Cursor:

Total = 40.49 dBV/m
 E Category: M3
 Location: -3.5, -0.5, 8.7 mm



#03_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1338; Calibrated: 2013/11/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 81.17 V/m; Power Drift = 0.01 dB
 Applied MIF = 3.63 dB
 RF audio interference level = 39.69 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.84 dBV/m	Grid 2 M4 39.52 dBV/m	Grid 3 M4 39.23 dBV/m
Grid 4 M4 38.78 dBV/m	Grid 5 M4 39.68 dBV/m	Grid 6 M4 39.42 dBV/m
Grid 7 M4 38.54 dBV/m	Grid 8 M4 39.44 dBV/m	Grid 9 M4 39.14 dBV/m

Cursor:

Total = 39.68 dBV/m
 E Category: M4
 Location: -3.5, 0, 8.7 mm



#04_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 : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1338; Calibrated: 2013/11/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 16.94 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.70 dBV/m

Emission category: M4

MIF scaled E-field

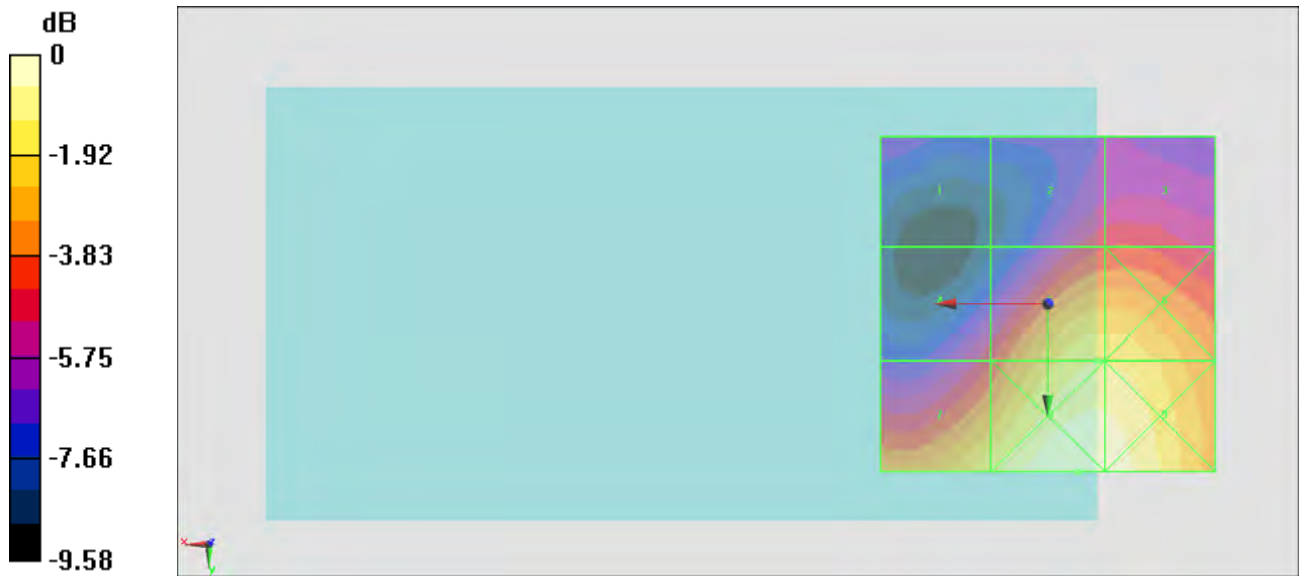
Grid 1 M4 23.72 dBV/m	Grid 2 M4 25.51 dBV/m	Grid 3 M4 25.63 dBV/m
Grid 4 M4 25.49 dBV/m	Grid 5 M4 28.7 dBV/m	Grid 6 M4 28.69 dBV/m
Grid 7 M4 28.62 dBV/m	Grid 8 M3 30 dBV/m	Grid 9 M4 29.83 dBV/m

Cursor:

Total = 30.00 dBV/m

E Category: M3

Location: -4.5, 25, 8.7 mm



0 dB = 31.62 V/m = 30.00 dBV/m

#05_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 : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1338; Calibrated: 2013/11/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 19.83 V/m; Power Drift = 0.13 dB
 Applied MIF = 3.63 dB
 RF audio interference level = 30.20 dBV/m

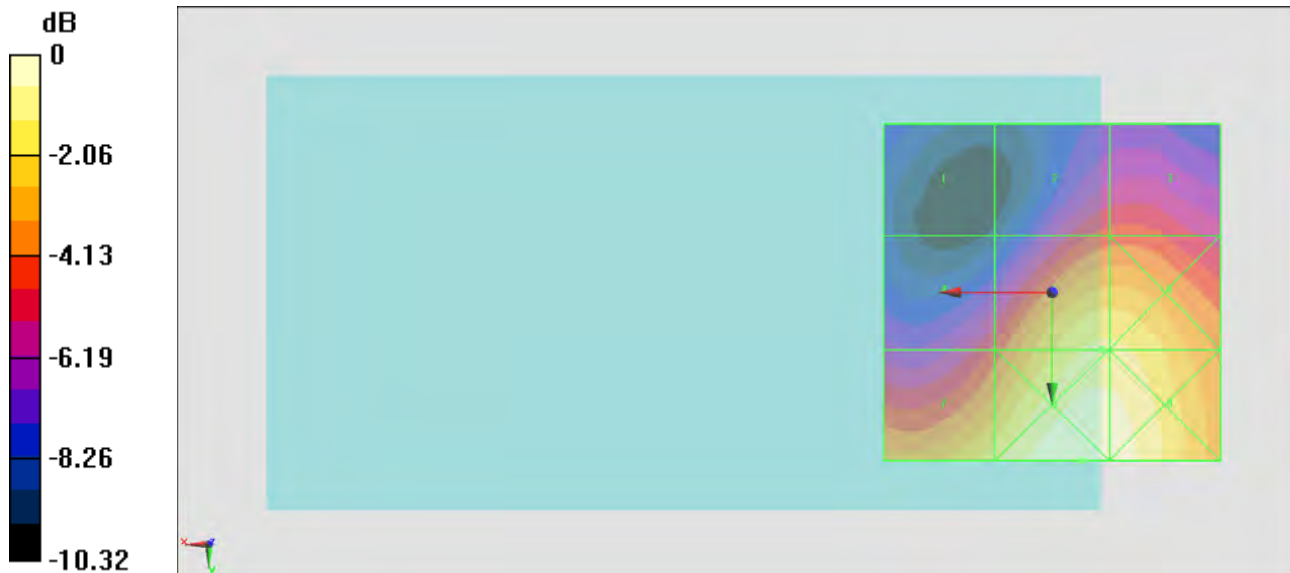
Emission category: M3

MIF scaled E-field

Grid 1 M4 23.79 dBV/m	Grid 2 M4 26.89 dBV/m	Grid 3 M4 26.98 dBV/m
Grid 4 M4 26.81 dBV/m	Grid 5 M3 30.2 dBV/m	Grid 6 M3 30.18 dBV/m
Grid 7 M4 29.89 dBV/m	Grid 8 M3 31.4 dBV/m	Grid 9 M3 31.25 dBV/m

Cursor:

Total = 31.40 dBV/m
 E Category: M3
 Location: -4.5, 25, 8.7 mm



#06_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 : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1338; Calibrated: 2013/11/5
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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 = 25.01 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.55 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M4 25.54 dBV/m	Grid 2 M4 28.33 dBV/m	Grid 3 M4 28.45 dBV/m
Grid 4 M4 27.87 dBV/m	Grid 5 M3 31.55 dBV/m	Grid 6 M3 31.54 dBV/m
Grid 7 M3 30.68 dBV/m	Grid 8 M3 32.33 dBV/m	Grid 9 M3 32.15 dBV/m

Cursor:

Total = 32.33 dBV/m

E Category: M3

Location: -4.5, 25, 8.7 mm

