

#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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 67.39 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.37 dBV/m

Emission category: M4

MIF scaled E-field

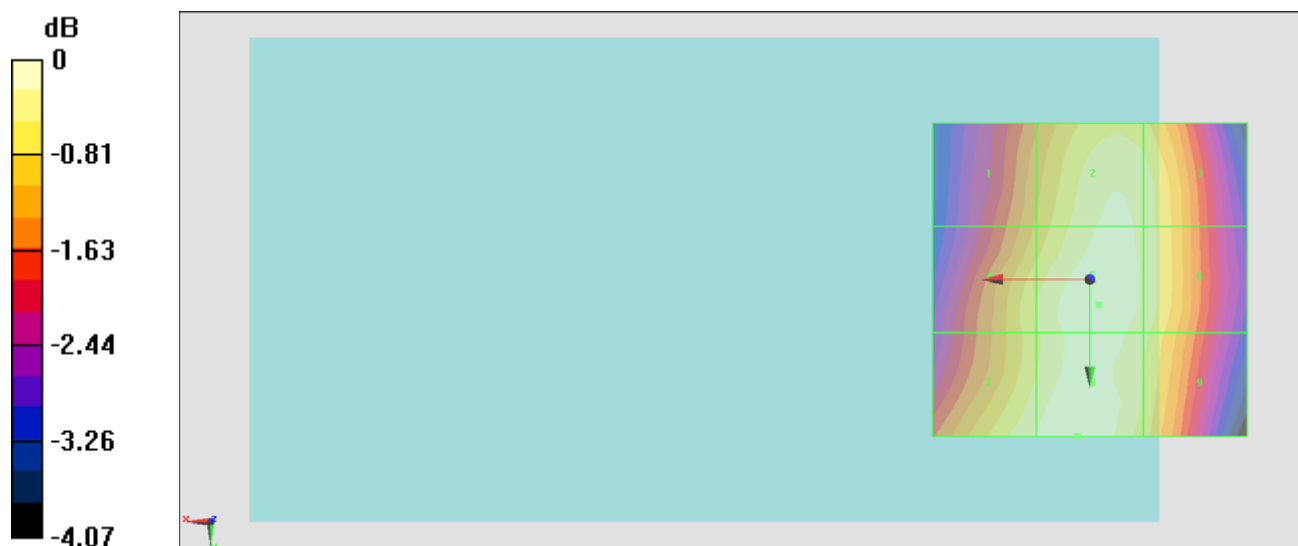
Grid 1 M4 37.34 dBV/m	Grid 2 M4 38.17 dBV/m	Grid 3 M4 38.01 dBV/m
Grid 4 M4 37.85 dBV/m	Grid 5 M4 38.29 dBV/m	Grid 6 M4 38.05 dBV/m
Grid 7 M4 38.14 dBV/m	Grid 8 M4 38.37 dBV/m	Grid 9 M4 37.92 dBV/m

Cursor:

Total = 38.37 dBV/m

E Category: M4

Location: 2, 25, 8.7 mm



$$0 \text{ dB} = 82.89 \text{ V/m} = 38.37 \text{ dBV/m}$$

#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: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 61.78 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.81 dBV/m

Emission category: M4

MIF scaled E-field

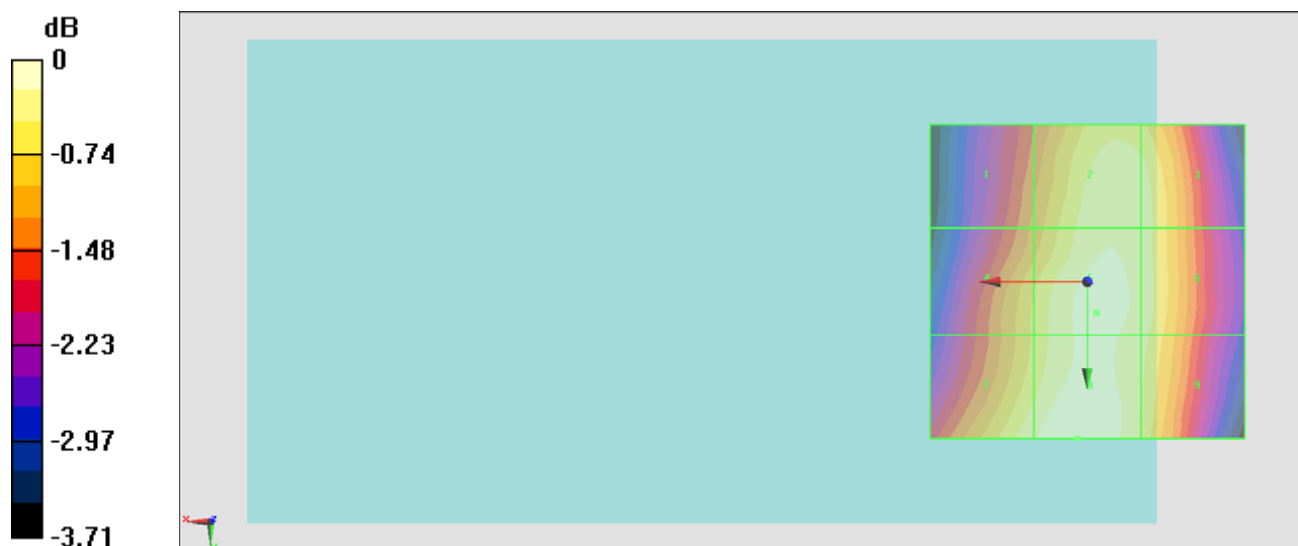
Grid 1 M4 36.66 dBV/m	Grid 2 M4 37.55 dBV/m	Grid 3 M4 37.47 dBV/m
Grid 4 M4 37.12 dBV/m	Grid 5 M4 37.67 dBV/m	Grid 6 M4 37.49 dBV/m
Grid 7 M4 37.54 dBV/m	Grid 8 M4 37.81 dBV/m	Grid 9 M4 37.42 dBV/m

Cursor:

Total = 37.81 dBV/m

E Category: M4

Location: 1.5, 25, 8.7 mm



$$0 \text{ dB} = 77.68 \text{ V/m} = 37.81 \text{ dBV/m}$$

#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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 60.35 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.56 dBV/m

Emission category: M4

MIF scaled E-field

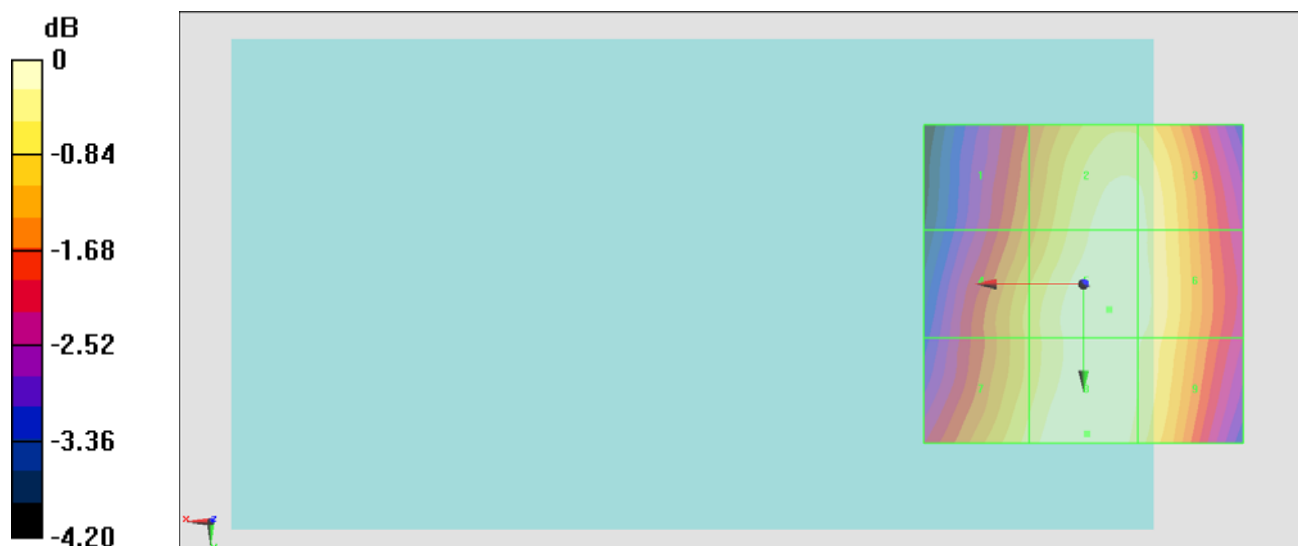
Grid 1 M4 36.31 dBV/m	Grid 2 M4 37.43 dBV/m	Grid 3 M4 37.37 dBV/m
Grid 4 M4 36.84 dBV/m	Grid 5 M4 37.55 dBV/m	Grid 6 M4 37.44 dBV/m
Grid 7 M4 37.13 dBV/m	Grid 8 M4 37.56 dBV/m	Grid 9 M4 37.33 dBV/m

Cursor:

Total = 37.56 dBV/m

E Category: M4

Location: -0.5, 23.5, 8.7 mm



$$0 \text{ dB} = 75.51 \text{ V/m} = 37.56 \text{ dBV/m}$$

#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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 11.43 V/m; Power Drift = -0.17 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.46 dBV/m

Emission category: M4

MIF scaled E-field

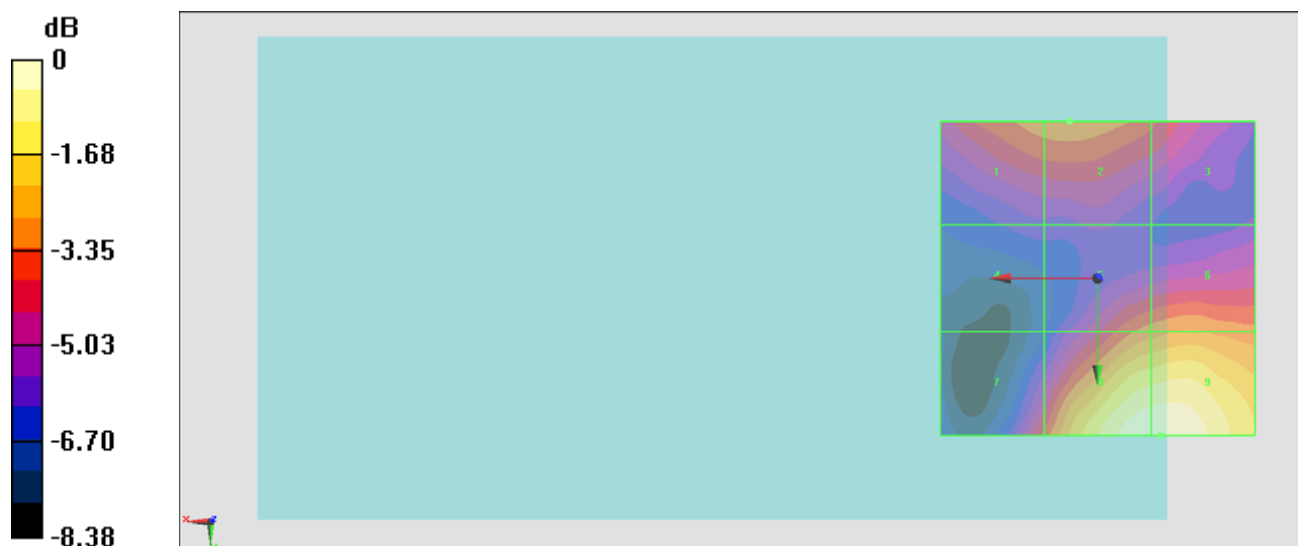
Grid 1 M4 26.43 dBV/m	Grid 2 M4 26.52 dBV/m	Grid 3 M4 25.71 dBV/m
Grid 4 M4 23.72 dBV/m	Grid 5 M4 26.4 dBV/m	Grid 6 M4 26.74 dBV/m
Grid 7 M4 25.76 dBV/m	Grid 8 M4 29.43 dBV/m	Grid 9 M4 29.46 dBV/m

Cursor:

Total = 29.46 dBV/m

E Category: M4

Location: -10, 25, 8.7 mm



$$0 \text{ dB} = 29.70 \text{ V/m} = 29.46 \text{ dBV/m}$$

#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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 10.51 V/m; Power Drift = -0.16 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.04 dBV/m

Emission category: M3

MIF scaled E-field

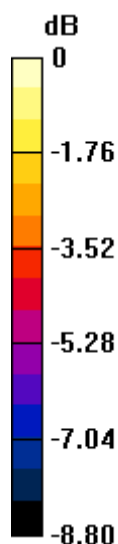
Grid 1 M4 26.14 dBV/m	Grid 2 M4 26.64 dBV/m	Grid 3 M4 26.38 dBV/m
Grid 4 M4 23.52 dBV/m	Grid 5 M4 26.51 dBV/m	Grid 6 M4 27 dBV/m
Grid 7 M4 25.93 dBV/m	Grid 8 M4 30 dBV/m	Grid 9 M3 30.04 dBV/m

Cursor:

Total = 30.04 dBV/m

E Category: M3

Location: -10.5, 25, 8.7 mm



$$0 \text{ dB} = 31.76 \text{ V/m} = 30.04 \text{ dBV/m}$$

#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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2013/8/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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 = 9.691 V/m; Power Drift = -0.17 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.26 dBV/m

Emission category: M4

MIF scaled E-field

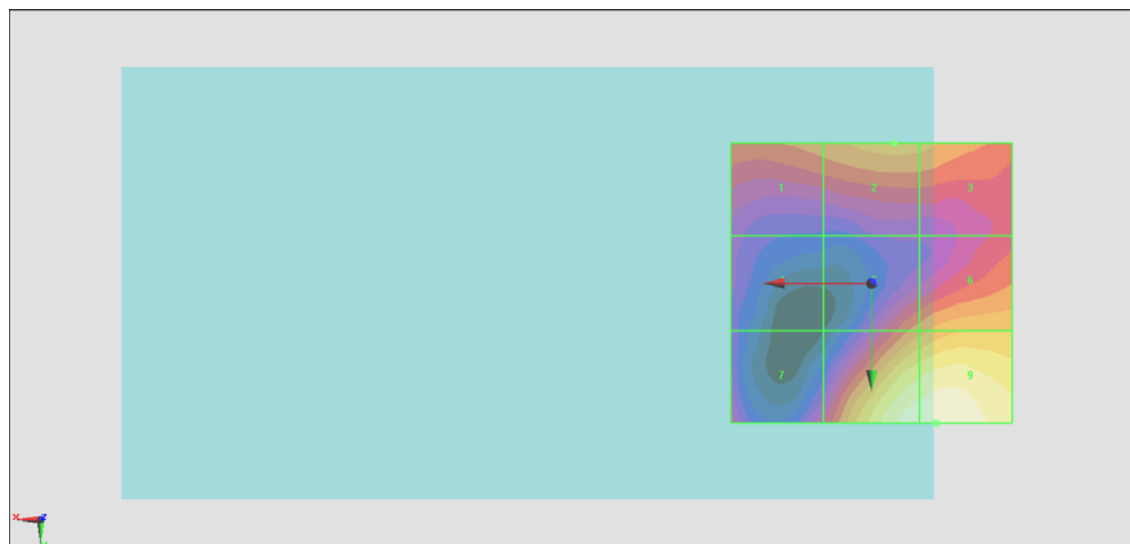
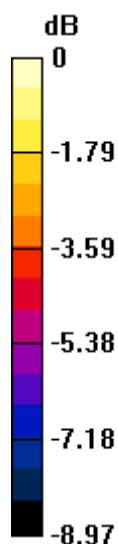
Grid 1 M4 26.02 dBV/m	Grid 2 M4 26.62 dBV/m	Grid 3 M4 26.51 dBV/m
Grid 4 M4 23.74 dBV/m	Grid 5 M4 26.05 dBV/m	Grid 6 M4 26.88 dBV/m
Grid 7 M4 24.58 dBV/m	Grid 8 M4 29.13 dBV/m	Grid 9 M4 29.26 dBV/m

Cursor:

Total = 29.26 dBV/m

E Category: M4

Location: -11.5, 25, 8.7 mm



$$0 \text{ dB} = 29.05 \text{ V/m} = 29.26 \text{ dBV/m}$$