

#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 Sn1388; Calibrated: 2014/9/24
- 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 = 71.43 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.52 dBV/m

Emission category: M4

MIF scaled E-field

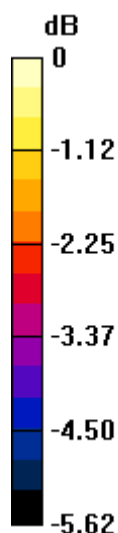
Grid 1 M4 37.4 dBV/m	Grid 2 M4 38.03 dBV/m	Grid 3 M4 37.74 dBV/m
Grid 4 M4 37.87 dBV/m	Grid 5 M4 38.52 dBV/m	Grid 6 M4 38.27 dBV/m
Grid 7 M4 38.04 dBV/m	Grid 8 M4 38.49 dBV/m	Grid 9 M4 38.23 dBV/m

Cursor:

Total = 38.52 dBV/m

E Category: M4

Location: -3.5, 5, 8.7 mm



0 dB = 84.36 V/m = 38.52 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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 80.89 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.63 dBV/m

Emission category: M4

MIF scaled E-field

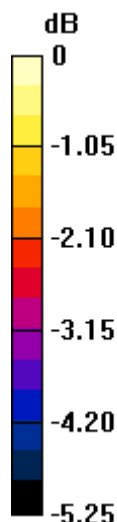
Grid 1 M4 38.53 dBV/m	Grid 2 M4 39.21 dBV/m	Grid 3 M4 38.95 dBV/m
Grid 4 M4 38.94 dBV/m	Grid 5 M4 39.63 dBV/m	Grid 6 M4 39.4 dBV/m
Grid 7 M4 39.08 dBV/m	Grid 8 M4 39.61 dBV/m	Grid 9 M4 39.35 dBV/m

Cursor:

Total = 39.63 dBV/m

E Category: M4

Location: -4, 5, 8.7 mm



0 dB = 95.83 V/m = 39.63 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: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 82.42 V/m; Power Drift = 0.18 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.84 dBV/m

Emission category: M4

MIF scaled E-field

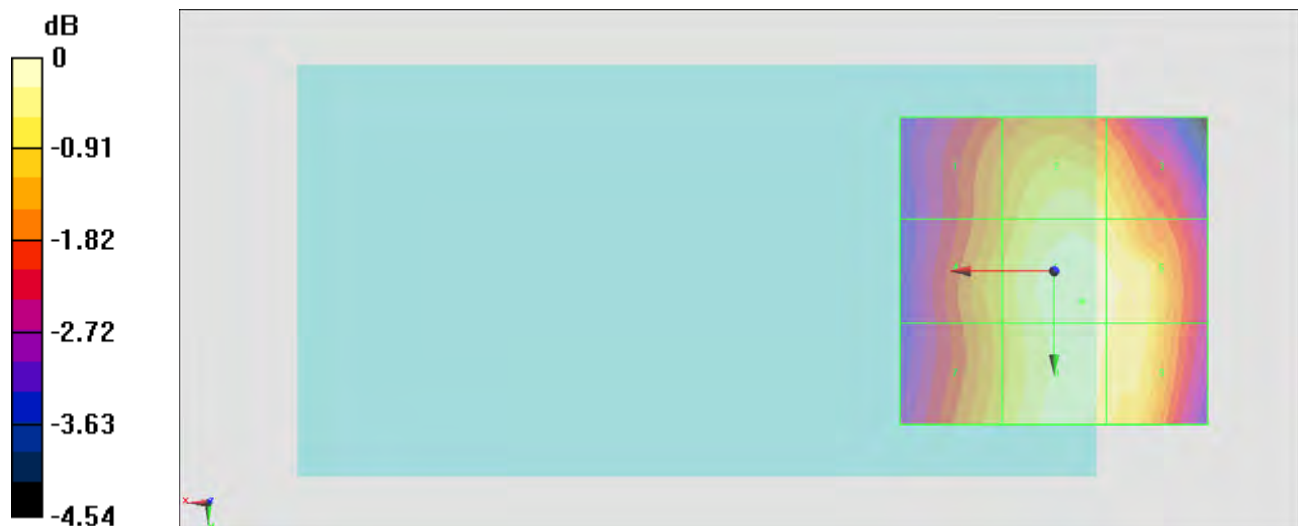
Grid 1 M4 38.62 dBV/m	Grid 2 M4 39.47 dBV/m	Grid 3 M4 39.25 dBV/m
Grid 4 M4 38.97 dBV/m	Grid 5 M4 39.84 dBV/m	Grid 6 M4 39.65 dBV/m
Grid 7 M4 38.99 dBV/m	Grid 8 M4 39.78 dBV/m	Grid 9 M4 39.59 dBV/m

Cursor:

Total = 39.84 dBV/m

E Category: M4

Location: -4.5, 5, 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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 22.51 V/m; Power Drift = 0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.34 dBV/m

Emission category: M3

MIF scaled E-field

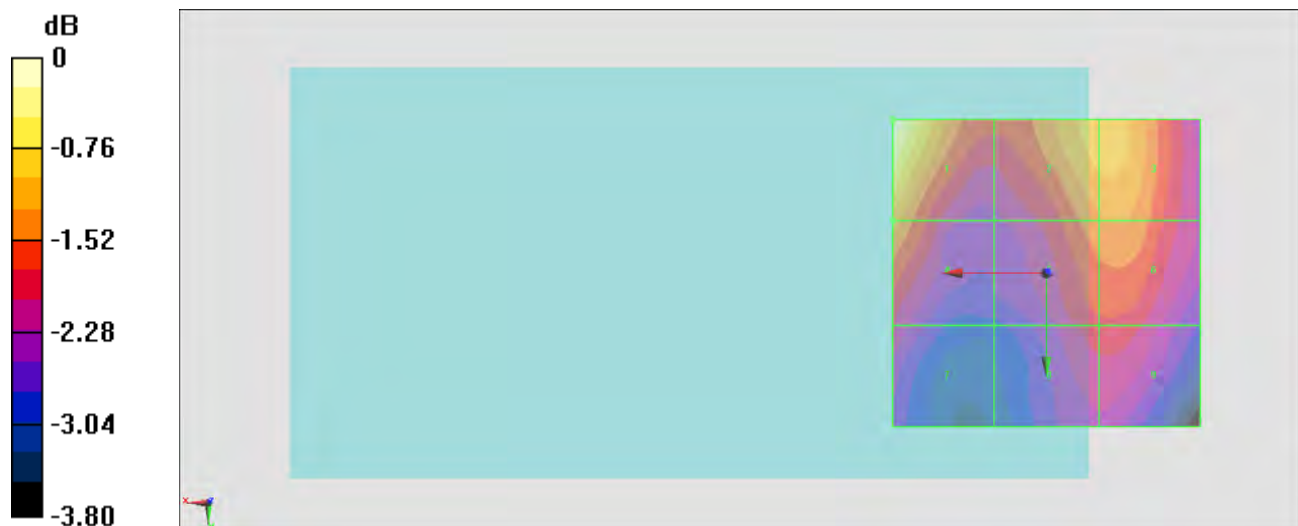
Grid 1 M3 31.34 dBV/m	Grid 2 M3 30.47 dBV/m	Grid 3 M3 30.48 dBV/m
Grid 4 M3 30.24 dBV/m	Grid 5 M3 30.03 dBV/m	Grid 6 M3 30.09 dBV/m
Grid 7 M4 29.37 dBV/m	Grid 8 M4 29.5 dBV/m	Grid 9 M4 29.52 dBV/m

Cursor:

Total = 31.34 dBV/m

E Category: M3

Location: 25, -25, 8.7 mm



0 dB = 36.88 V/m = 31.34 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 Sn1388; Calibrated: 2014/9/24
- 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 = 24.70 V/m; Power Drift = -0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.99 dBV/m

Emission category: M3

MIF scaled E-field

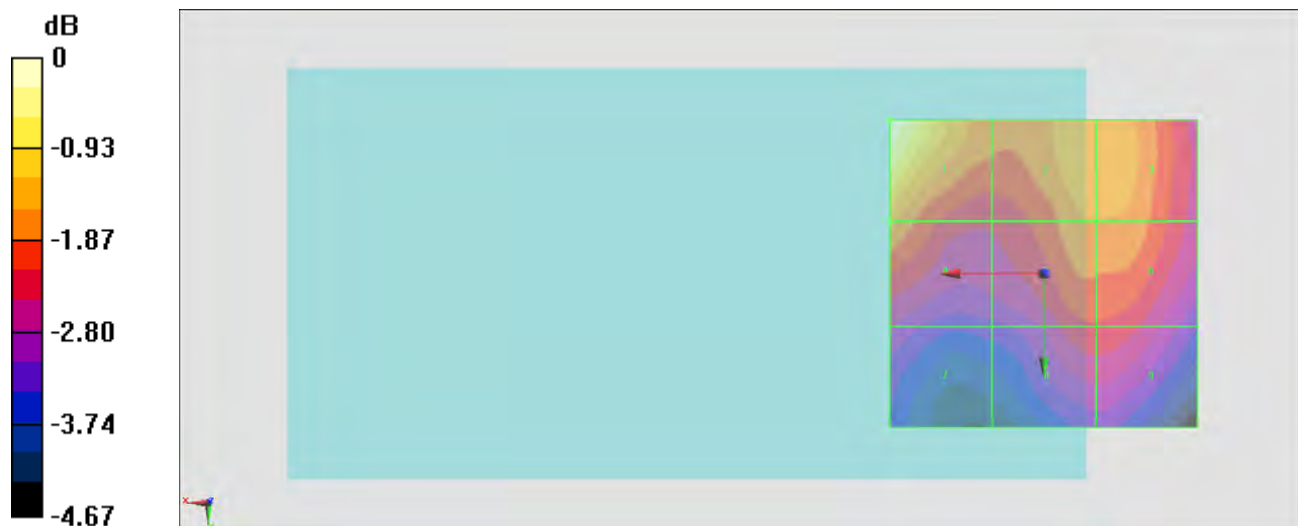
Grid 1 M3 31.99 dBV/m	Grid 2 M3 30.73 dBV/m	Grid 3 M3 30.73 dBV/m
Grid 4 M3 30.56 dBV/m	Grid 5 M3 30.43 dBV/m	Grid 6 M3 30.43 dBV/m
Grid 7 M4 29.26 dBV/m	Grid 8 M4 29.78 dBV/m	Grid 9 M4 29.78 dBV/m

Cursor:

Total = 31.99 dBV/m

E Category: M3

Location: 25, -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 : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 26.34 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.75 dBV/m

Emission category: M3

MIF scaled E-field

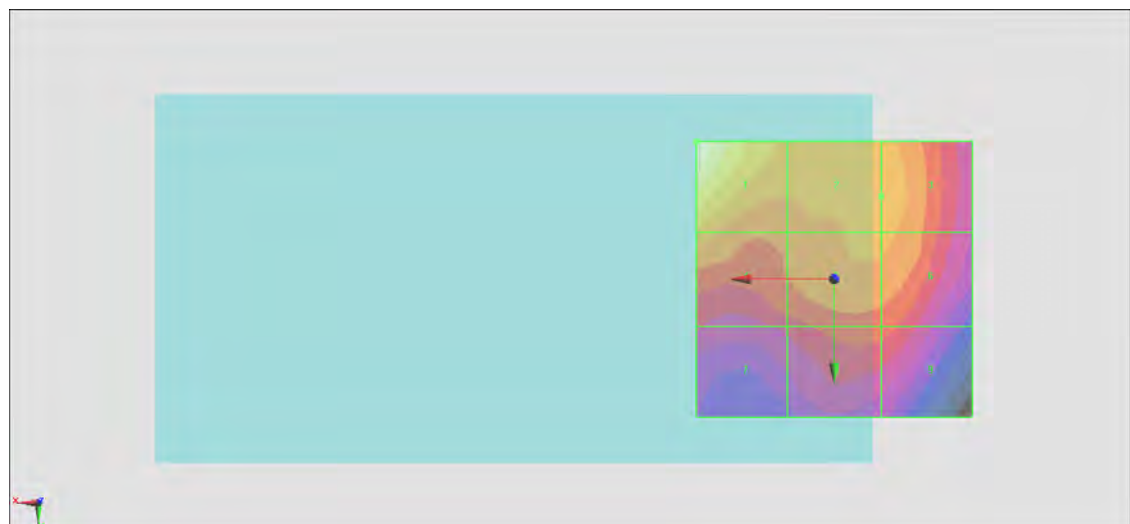
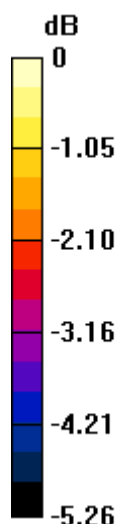
Grid 1 M3 31.75 dBV/m	Grid 2 M3 30.26 dBV/m	Grid 3 M3 30.18 dBV/m
Grid 4 M3 30.33 dBV/m	Grid 5 M3 30.09 dBV/m	Grid 6 M3 30.08 dBV/m
Grid 7 M4 29.09 dBV/m	Grid 8 M4 29.53 dBV/m	Grid 9 M4 29.48 dBV/m

Cursor:

Total = 31.75 dBV/m

E Category: M3

Location: 25, -25, 8.7 mm



0 dB = 38.69 V/m = 31.75 dBV/m