

#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 : 23.5 °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 (7); SEMCAD X Version 14.6.10 (7164)

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 = 50.96 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.93 dBV/m

Emission category: M4

MIF scaled E-field

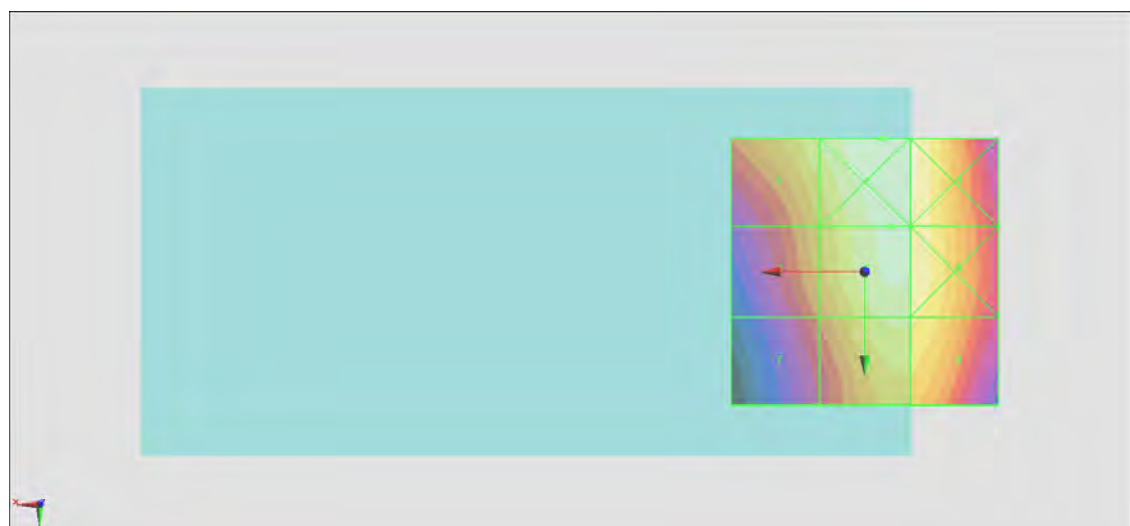
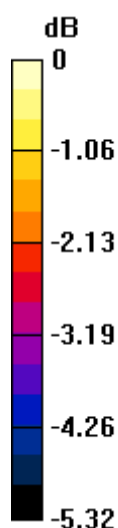
Grid 1 M4 35.48 dBV/m	Grid 2 M4 36.19 dBV/m	Grid 3 M4 35.97 dBV/m
Grid 4 M4 34.79 dBV/m	Grid 5 M4 35.93 dBV/m	Grid 6 M4 35.84 dBV/m
Grid 7 M4 34.14 dBV/m	Grid 8 M4 35.59 dBV/m	Grid 9 M4 35.56 dBV/m

Cursor:

Total = 36.19 dBV/m

E Category: M4

Location: -3.5, -25, 8.7 mm



$$0 \text{ dB} = 64.48 \text{ V/m} = 36.19 \text{ dBV/m}$$

#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 : 23.5 °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 (7); SEMCAD X Version 14.6.10 (7164)

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 = 53.31 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.43 dBV/m

Emission category: M4

MIF scaled E-field

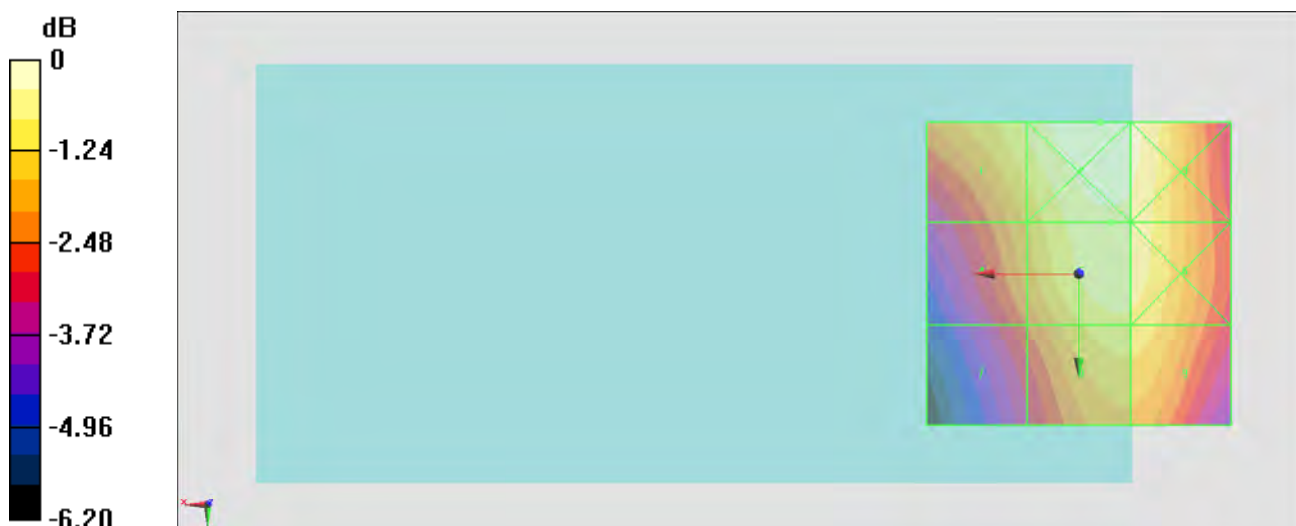
Grid 1 M4 36.2 dBV/m	Grid 2 M4 36.89 dBV/m	Grid 3 M4 36.68 dBV/m
Grid 4 M4 35.31 dBV/m	Grid 5 M4 36.43 dBV/m	Grid 6 M4 36.38 dBV/m
Grid 7 M4 34.44 dBV/m	Grid 8 M4 35.96 dBV/m	Grid 9 M4 35.95 dBV/m

Cursor:

Total = 36.89 dBV/m

E Category: M4

Location: -3.5, -25, 8.7 mm



$$0 \text{ dB} = 69.93 \text{ V/m} = 36.89 \text{ dBV/m}$$

#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 : 23.5 °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 (7); SEMCAD X Version 14.6.10 (7164)

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 = 48.31 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.67 dBV/m

Emission category: M4

MIF scaled E-field

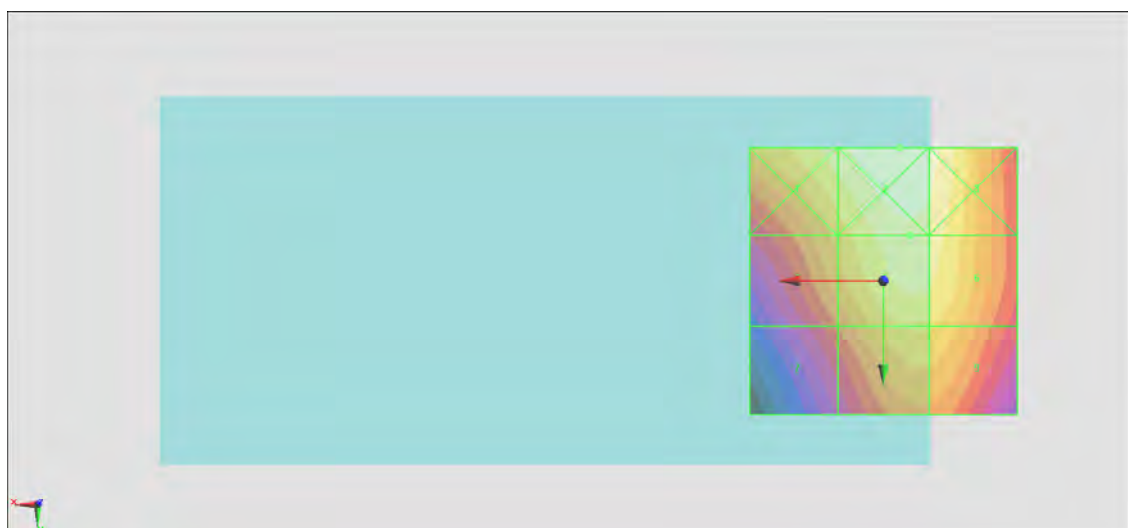
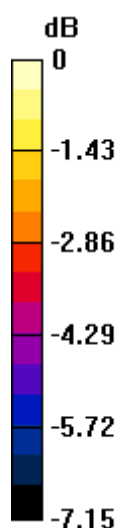
Grid 1 M4 35.62 dBV/m	Grid 2 M4 36.26 dBV/m	Grid 3 M4 36.01 dBV/m
Grid 4 M4 34.55 dBV/m	Grid 5 M4 35.67 dBV/m	Grid 6 M4 35.56 dBV/m
Grid 7 M4 33.41 dBV/m	Grid 8 M4 34.91 dBV/m	Grid 9 M4 34.87 dBV/m

Cursor:

Total = 36.26 dBV/m

E Category: M4

Location: -3, -25, 8.7 mm



$$0 \text{ dB} = 65.00 \text{ V/m} = 36.26 \text{ dBV/m}$$

#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 : 23.5 °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 (7); SEMCAD X Version 14.6.10 (7164)

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 = 14.83 V/m; Power Drift = 0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.24 dBV/m

Emission category: M4

MIF scaled E-field

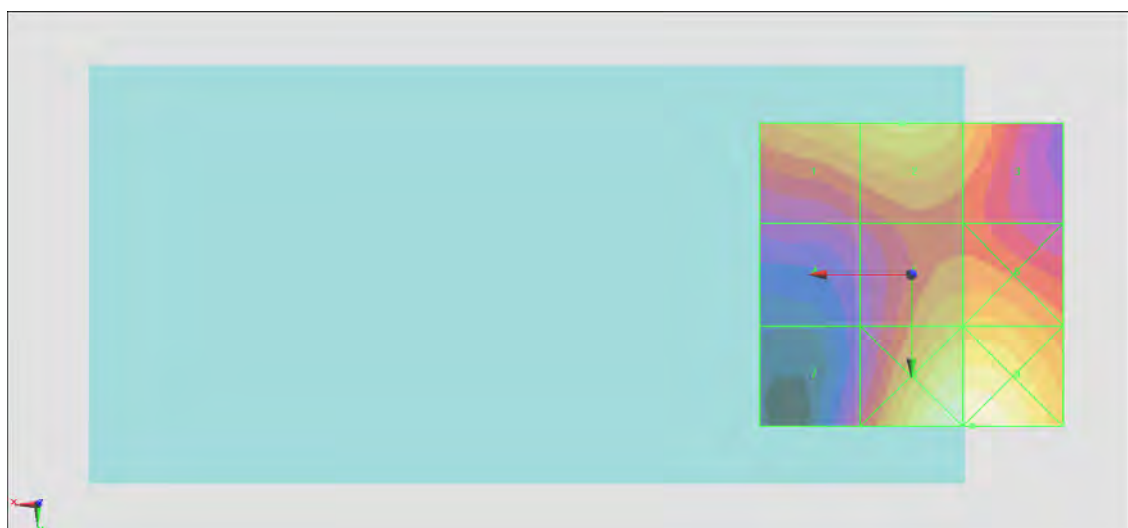
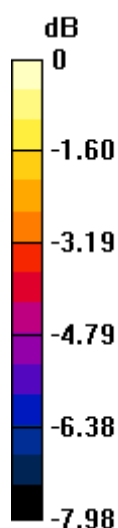
Grid 1 M4 27.94 dBV/m	Grid 2 M4 28.24 dBV/m	Grid 3 M4 27.48 dBV/m
Grid 4 M4 25.43 dBV/m	Grid 5 M4 27.7 dBV/m	Grid 6 M4 27.75 dBV/m
Grid 7 M4 25.46 dBV/m	Grid 8 M4 29.62 dBV/m	Grid 9 M4 29.66 dBV/m

Cursor:

Total = 29.66 dBV/m

E Category: M4

Location: -10, 25, 8.7 mm



$$0 \text{ dB} = 30.39 \text{ V/m} = 29.65 \text{ dBV/m}$$

#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 : 23.5 °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 (7); SEMCAD X Version 14.6.10 (7164)

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 = 15.96 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.59 dBV/m

Emission category: M4

MIF scaled E-field

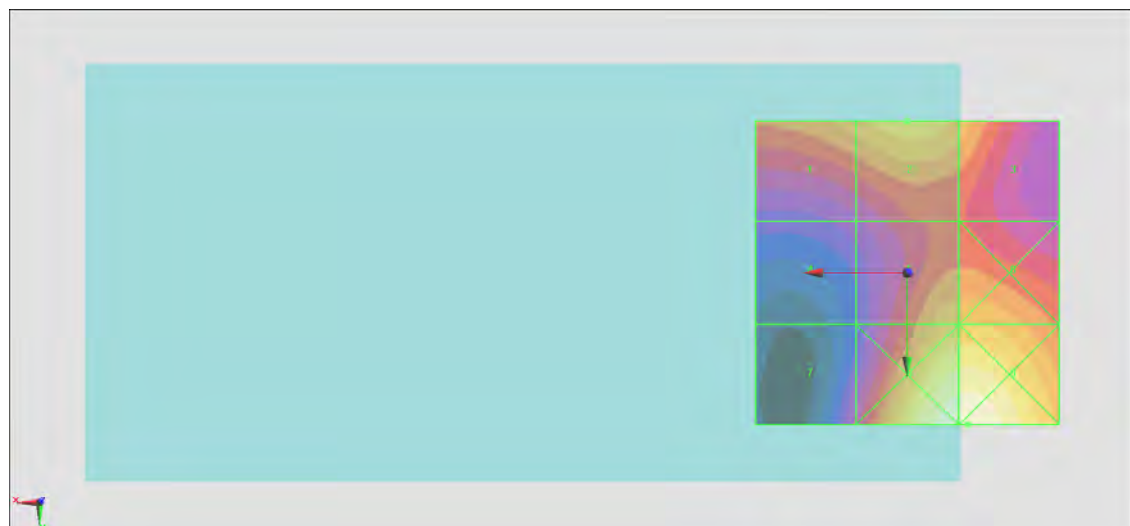
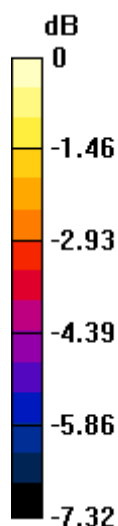
Grid 1 M4 28.13 dBV/m	Grid 2 M4 28.59 dBV/m	Grid 3 M4 28.06 dBV/m
Grid 4 M4 25.71 dBV/m	Grid 5 M4 28.28 dBV/m	Grid 6 M4 28.33 dBV/m
Grid 7 M4 26.05 dBV/m	Grid 8 M3 30.17 dBV/m	Grid 9 M3 30.21 dBV/m

Cursor:

Total = 30.21 dBV/m

E Category: M3

Location: -10, 25, 8.7 mm



$$0 \text{ dB} = 32.38 \text{ V/m} = 30.21 \text{ dBV/m}$$

#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 : 23.5 °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 (7); SEMCAD X Version 14.6.10 (7164)

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 = 15.61 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.17 dBV/m

Emission category: M4

MIF scaled E-field

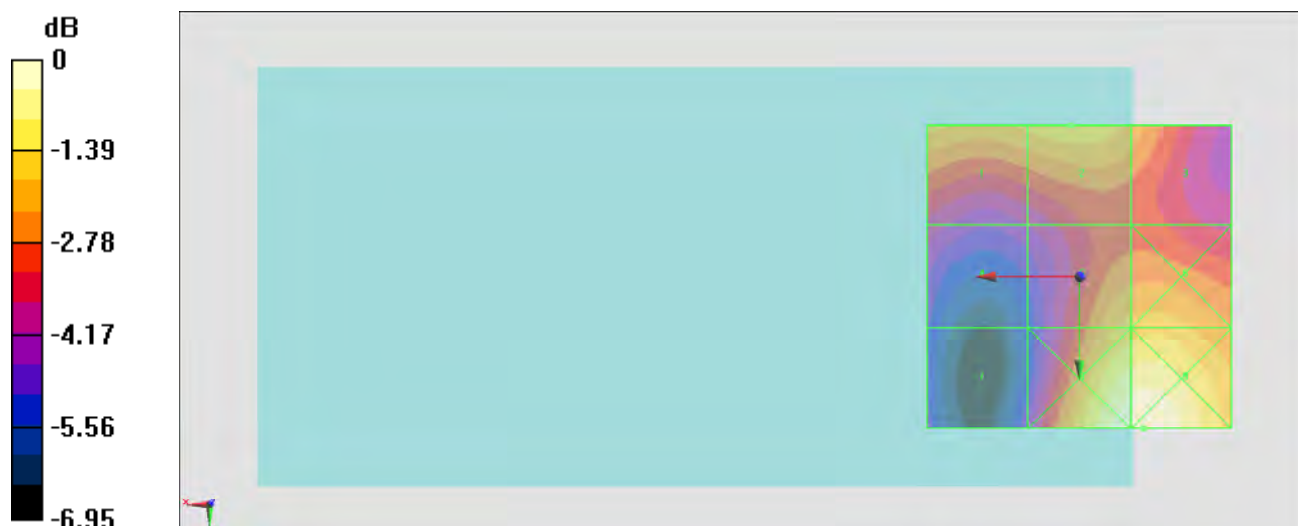
Grid 1 M4 28.01 dBV/m	Grid 2 M4 28.17 dBV/m	Grid 3 M4 27.65 dBV/m
Grid 4 M4 25.88 dBV/m	Grid 5 M4 28.01 dBV/m	Grid 6 M4 28.14 dBV/m
Grid 7 M4 25.05 dBV/m	Grid 8 M4 29.57 dBV/m	Grid 9 M4 29.64 dBV/m

Cursor:

Total = 29.64 dBV/m

E Category: M4

Location: -10.5, 25, 8.7 mm



$$0 \text{ dB} = 30.35 \text{ V/m} = 29.64 \text{ dBV/m}$$