

#01_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.3
 Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³
 Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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 = 42.53 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.16 dBV/m

Emission category: M4

MIF scaled E-field

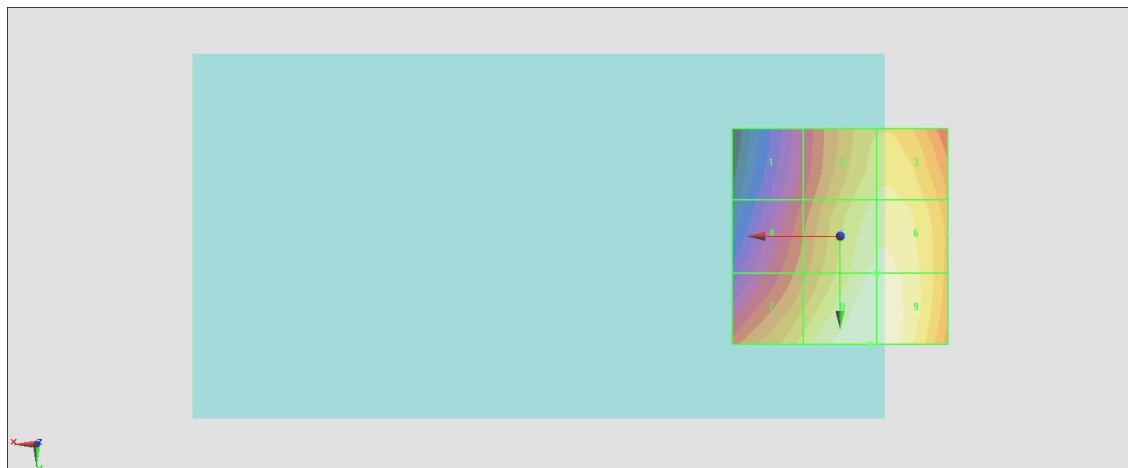
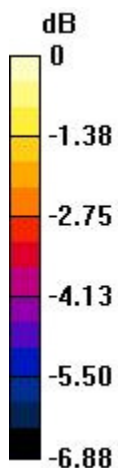
Grid 1 M4 32.99 dBV/m	Grid 2 M4 35.32 dBV/m	Grid 3 M4 35.39 dBV/m
Grid 4 M4 33.74 dBV/m	Grid 5 M4 35.8 dBV/m	Grid 6 M4 35.82 dBV/m
Grid 7 M4 34.98 dBV/m	Grid 8 M4 36.16 dBV/m	Grid 9 M4 36.14 dBV/m

Cursor:

Total = 36.16 dBV/m

E Category: M4

Location: -7, 25, 8.7 mm



0 dB = 64.27 V/m = 36.16 dBV/m

#02_HAC_E_GSM1900_GSM Voice_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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 = 4.845 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.56 dBV/m

Emission category: M4

MIF scaled E-field

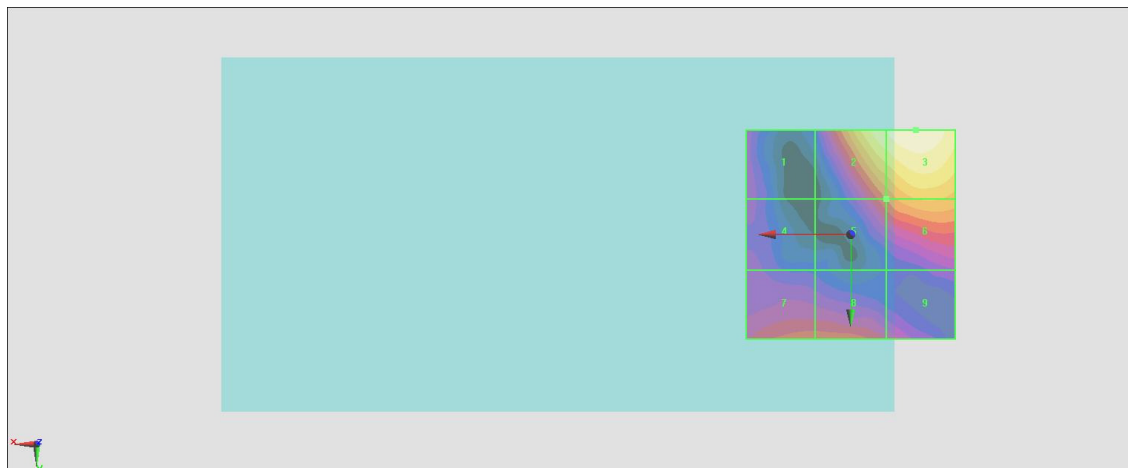
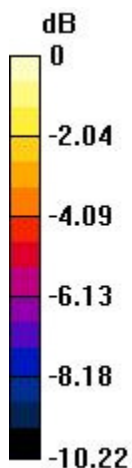
Grid 1 M4 19.53 dBV/m	Grid 2 M4 24.94 dBV/m	Grid 3 M4 25.56 dBV/m
Grid 4 M4 19.19 dBV/m	Grid 5 M4 21.5 dBV/m	Grid 6 M4 22.93 dBV/m
Grid 7 M4 21.42 dBV/m	Grid 8 M4 21.41 dBV/m	Grid 9 M4 20.12 dBV/m

Cursor:

Total = 25.56 dBV/m

E Category: M4

Location: -15.5, -25, 8.7 mm



0 dB = 18.97 V/m = 25.56 dBV/m

#03_HAC_E_CDMA BC0_1xRTT, RC1 SO3, 18th Rate_Ch384

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C;

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

Ch384/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 = 19.36 V/m; Power Drift = 0.01 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.74 dBV/m

Emission category: M4

MIF scaled E-field

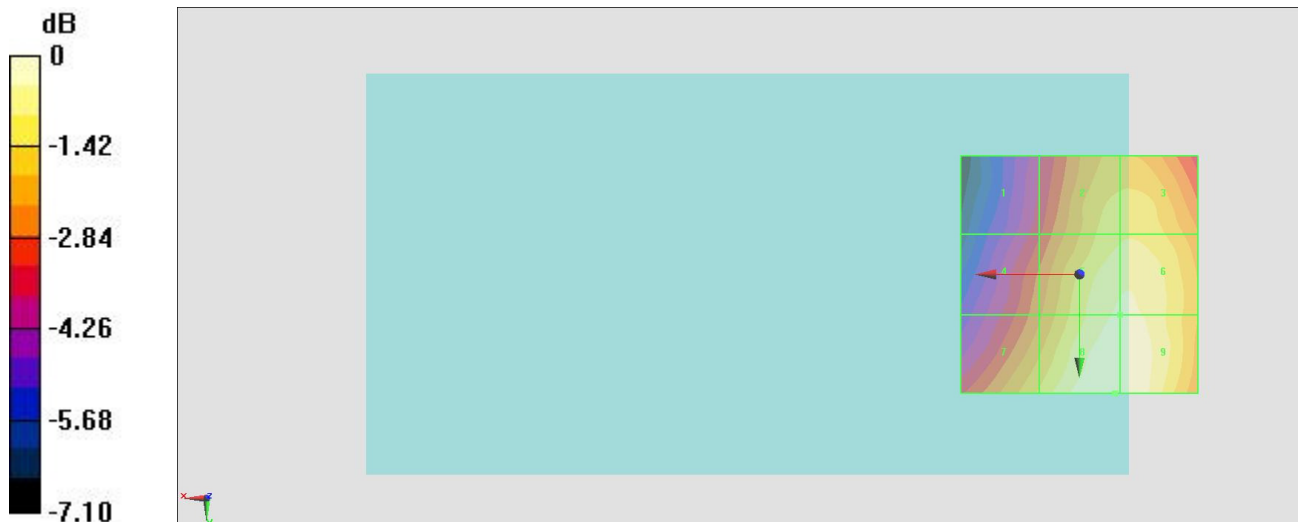
Grid 1 M4 25.36 dBV/m	Grid 2 M4 27.72 dBV/m	Grid 3 M4 27.76 dBV/m
Grid 4 M4 26.28 dBV/m	Grid 5 M4 28.34 dBV/m	Grid 6 M4 28.35 dBV/m
Grid 7 M4 27.4 dBV/m	Grid 8 M4 28.74 dBV/m	Grid 9 M4 28.73 dBV/m

Cursor:

Total = 28.74 dBV/m

E Category: M4

Location: -7.5, 25, 8.7 mm



0 dB = 27.36 V/m = 28.74 dBV/m

#04_HAC_E_CDMA BC1_1xRTT, RC1 SO3, 18th Rate_Ch600

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

Ch600/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 = 3.792 V/m; Power Drift = -0.07 dB

Applied MIF = 3.26 dB

RF audio interference level = 19.80 dBV/m

Emission category: **M4**

MIF scaled E-field

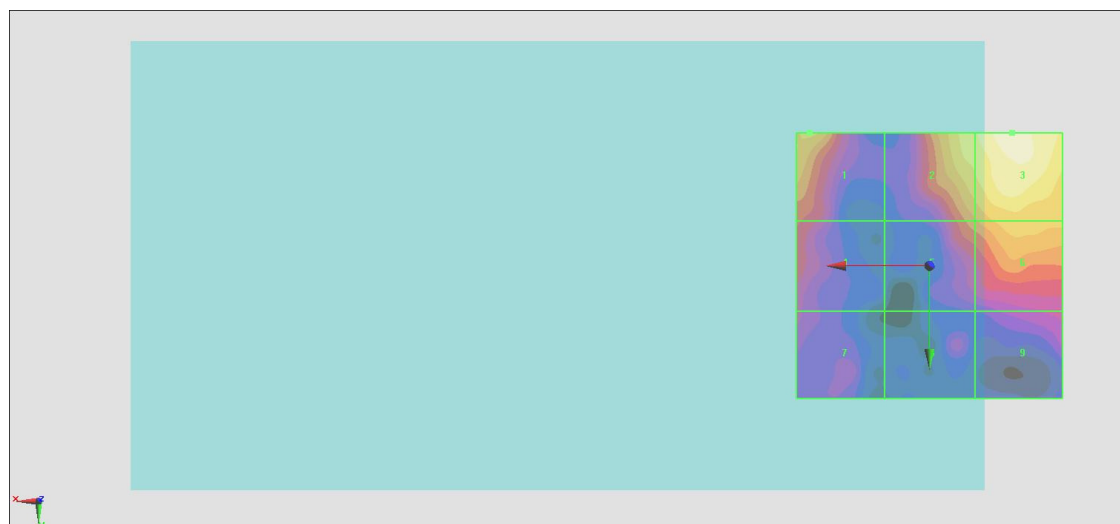
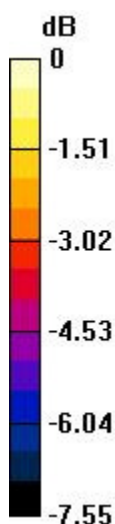
Grid 1 M4 17.95 dBV/m	Grid 2 M4 18.77 dBV/m	Grid 3 M4 19.8 dBV/m
Grid 4 M4 16.35 dBV/m	Grid 5 M4 17.19 dBV/m	Grid 6 M4 18.08 dBV/m
Grid 7 M4 15.51 dBV/m	Grid 8 M4 15.02 dBV/m	Grid 9 M4 15.56 dBV/m

Cursor:

Total = 19.80 dBV/m

E Category: M4

Location: -15.5, -25, 8.7 mm



0 dB = 9.772 V/m = 19.80 dBV/m

#05_HAC_E_CDMA BC10_1xRTT, RC1 SO3, 18th Rate_Ch684

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 823.1 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.9 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2015/11/23
- 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)

Ch684/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 = 16.81 V/m; Power Drift = 0.09 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.41 dBV/m

Emission category: M4

MIF scaled E-field

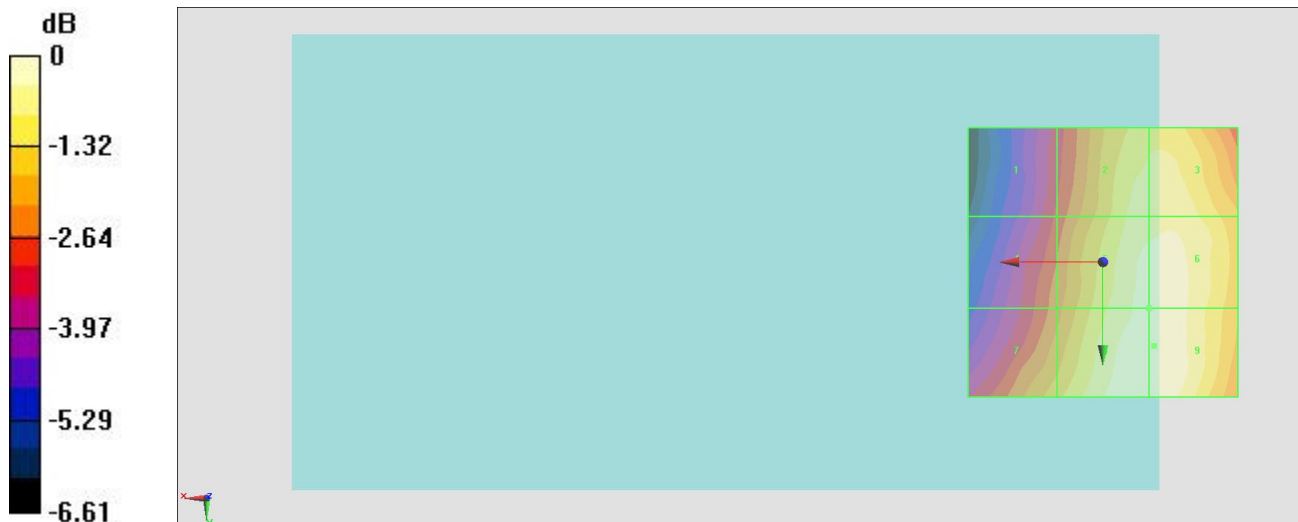
Grid 1 M4 24.46 dBV/m	Grid 2 M4 26.86 dBV/m	Grid 3 M4 26.91 dBV/m
Grid 4 M4 25.05 dBV/m	Grid 5 M4 27.23 dBV/m	Grid 6 M4 27.29 dBV/m
Grid 7 M4 25.96 dBV/m	Grid 8 M4 27.39 dBV/m	Grid 9 M4 27.41 dBV/m

Cursor:

Total = 27.41 dBV/m

E Category: M4

Location: -9.5, 15.5, 8.7 mm



0 dB = 23.47 V/m = 27.41 dBV/m