

#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: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 83.46 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.26 dBV/m

Emission category: M3

MIF scaled E-field

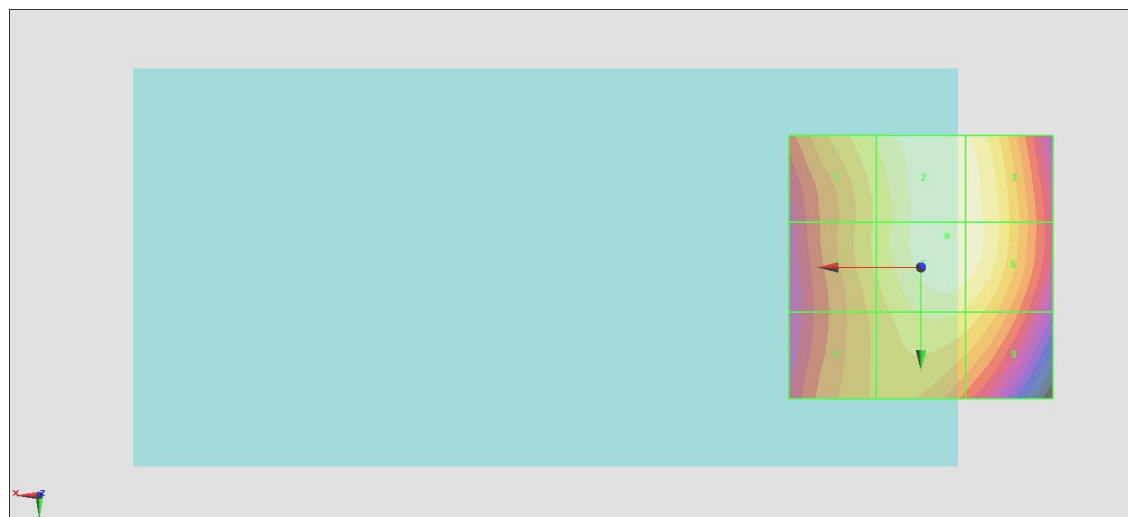
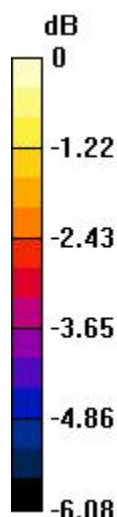
Grid 1 M4 39.54 dBV/m	Grid 2 M3 40.24 dBV/m	Grid 3 M3 40.15 dBV/m
Grid 4 M4 39.17 dBV/m	Grid 5 M3 40.26 dBV/m	Grid 6 M3 40.18 dBV/m
Grid 7 M4 38.81 dBV/m	Grid 8 M4 39.57 dBV/m	Grid 9 M4 39.4 dBV/m

Cursor:

Total = 40.26 dBV/m

E Category: M3

Location: -5, -6, 8.7 mm



0 dB = 103.1 V/m = 40.27 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 : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 73.41 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.40 dBV/m

Emission category: M4

MIF scaled E-field

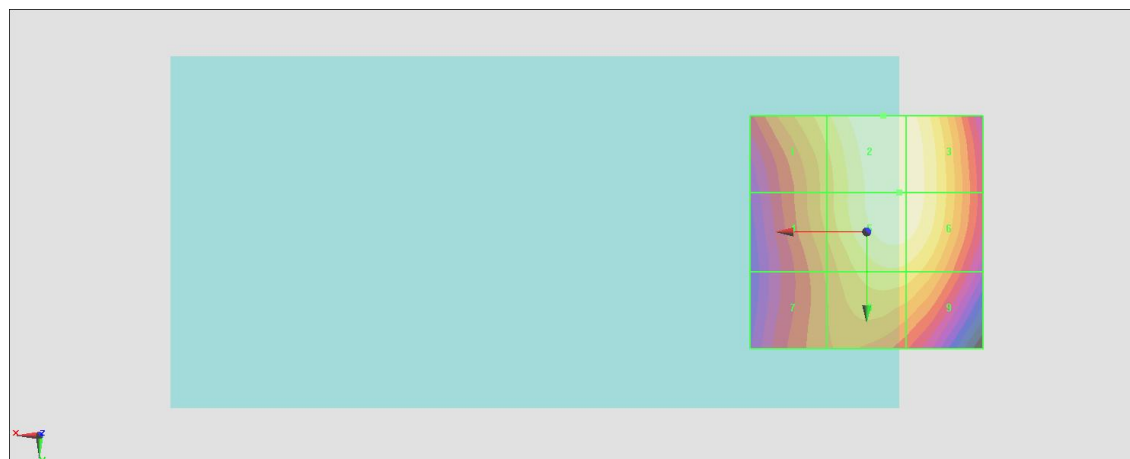
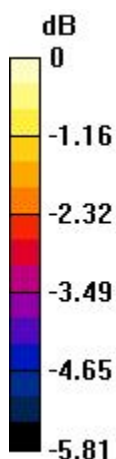
Grid 1 M4 38.55 dBV/m	Grid 2 M4 39.4 dBV/m	Grid 3 M4 39.33 dBV/m
Grid 4 M4 38.07 dBV/m	Grid 5 M4 39.34 dBV/m	Grid 6 M4 39.31 dBV/m
Grid 7 M4 37.57 dBV/m	Grid 8 M4 38.56 dBV/m	Grid 9 M4 38.5 dBV/m

Cursor:

Total = 39.40 dBV/m

E Category: M4

Location: -3.5, -25, 8.7 mm



0 dB = 93.34 V/m = 39.40 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 : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 73.46 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.36 dBV/m

Emission category: M4

MIF scaled E-field

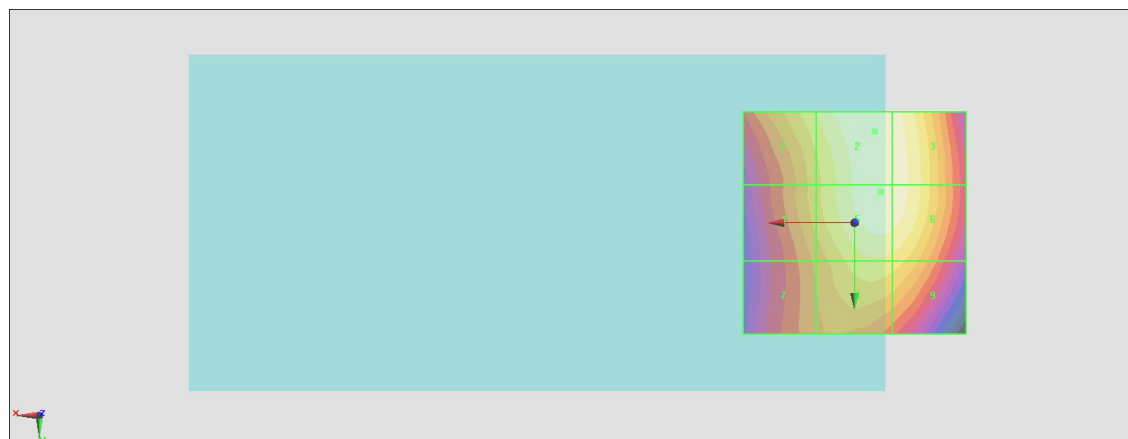
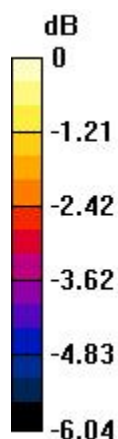
Grid 1 M4 38.58 dBV/m	Grid 2 M4 39.36 dBV/m	Grid 3 M4 39.25 dBV/m
Grid 4 M4 38.04 dBV/m	Grid 5 M4 39.27 dBV/m	Grid 6 M4 39.23 dBV/m
Grid 7 M4 37.49 dBV/m	Grid 8 M4 38.51 dBV/m	Grid 9 M4 38.39 dBV/m

Cursor:

Total = 39.36 dBV/m

E Category: M4

Location: -4.5, -20.5, 8.7 mm



0 dB = 92.86 V/m = 39.36 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: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 7.742 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.07 dBV/m

Emission category: M3

MIF scaled E-field

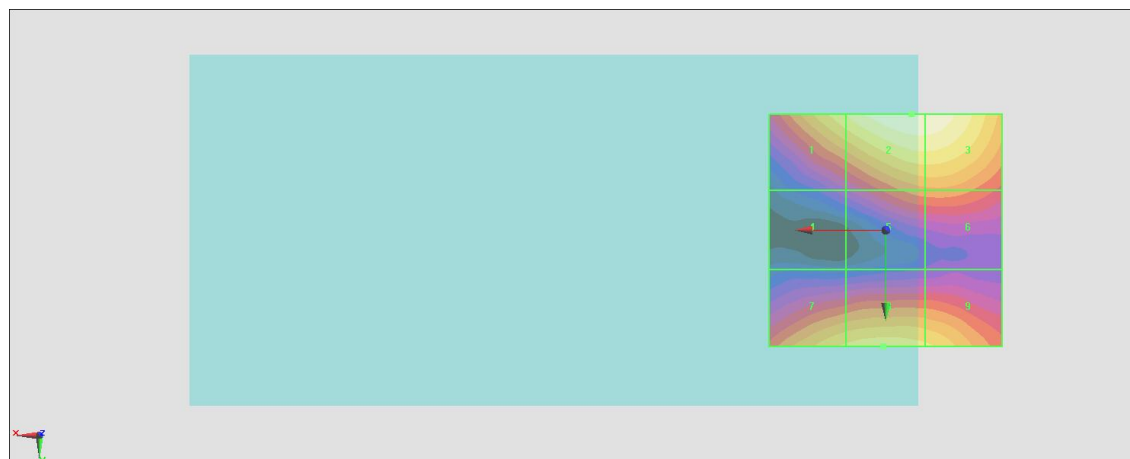
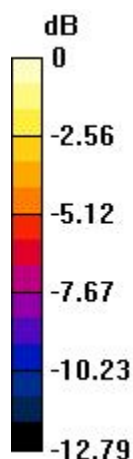
Grid 1 M4 28.45 dBV/m	Grid 2 M3 30.07 dBV/m	Grid 3 M3 30.01 dBV/m
Grid 4 M4 22.27 dBV/m	Grid 5 M4 25.52 dBV/m	Grid 6 M4 25.58 dBV/m
Grid 7 M4 27.73 dBV/m	Grid 8 M4 28.14 dBV/m	Grid 9 M4 27.76 dBV/m

Cursor:

Total = 30.07 dBV/m

E Category: M3

Location: -5.5, -25, 8.7 mm



0 dB = 31.89 V/m = 30.07 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: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 6.375 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.81 dBV/m

Emission category: M4

MIF scaled E-field

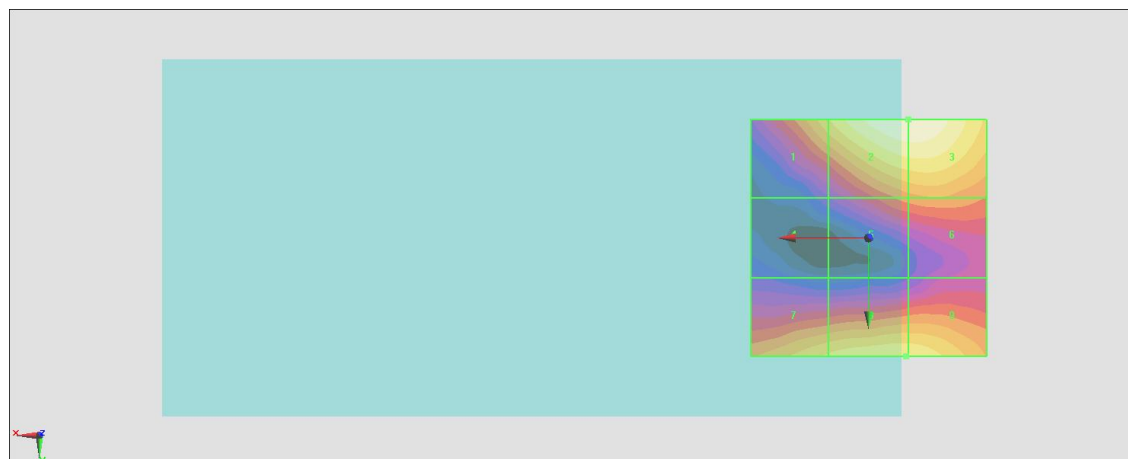
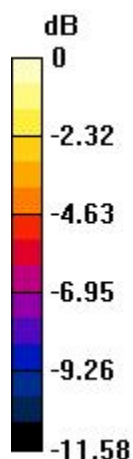
Grid 1 M4 26.44 dBV/m	Grid 2 M4 28.81 dBV/m	Grid 3 M4 28.81 dBV/m
Grid 4 M4 21.03 dBV/m	Grid 5 M4 24.61 dBV/m	Grid 6 M4 24.92 dBV/m
Grid 7 M4 26.65 dBV/m	Grid 8 M4 27.23 dBV/m	Grid 9 M4 27.23 dBV/m

Cursor:

Total = 28.81 dBV/m

E Category: M4

Location: -8.5, -25, 8.7 mm



0 dB = 27.57 V/m = 28.81 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: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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 = 5.643 V/m; Power Drift = 0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.03 dBV/m

Emission category: M4

MIF scaled E-field

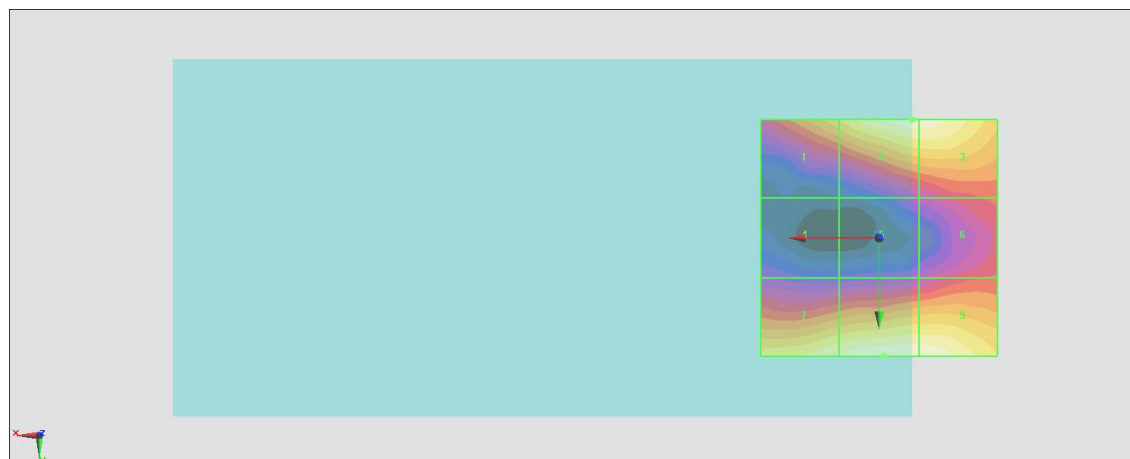
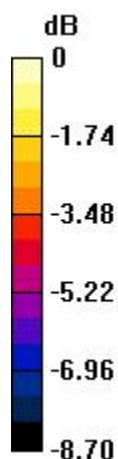
Grid 1 M4 25.3 dBV/m	Grid 2 M4 26.8 dBV/m	Grid 3 M4 26.78 dBV/m
Grid 4 M4 21.41 dBV/m	Grid 5 M4 21.68 dBV/m	Grid 6 M4 23.13 dBV/m
Grid 7 M4 26.56 dBV/m	Grid 8 M4 27.03 dBV/m	Grid 9 M4 26.99 dBV/m

Cursor:

Total = 27.03 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 22.45 V/m = 27.02 dBV/m