

#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 : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 19.27 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.67 dBV/m

Emission category: M4

MIF scaled E-field

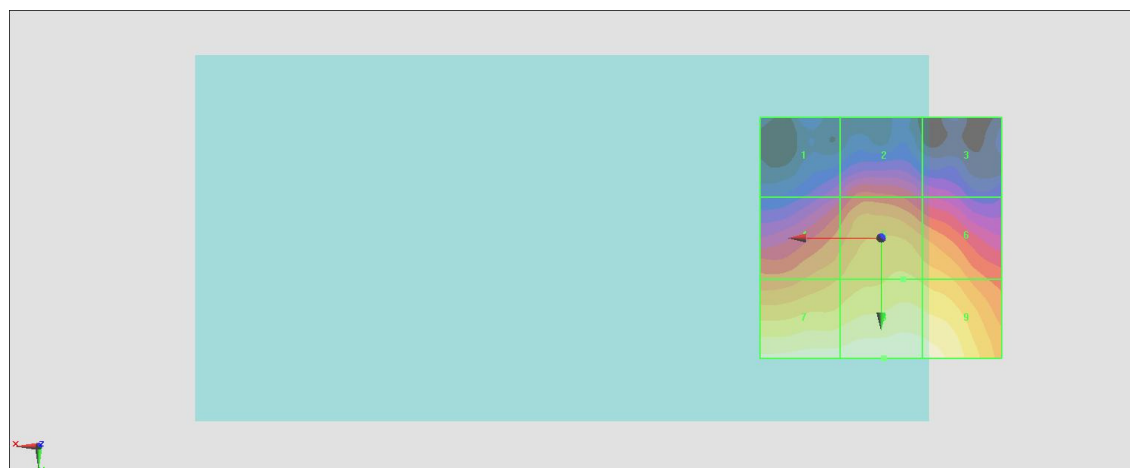
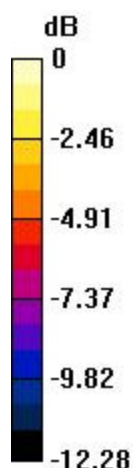
Grid 1 M4 20.7 dBV/m	Grid 2 M4 22.46 dBV/m	Grid 3 M4 20.81 dBV/m
Grid 4 M4 24.45 dBV/m	Grid 5 M4 25.4 dBV/m	Grid 6 M4 25.09 dBV/m
Grid 7 M4 27.31 dBV/m	Grid 8 M4 27.67 dBV/m	Grid 9 M4 27.38 dBV/m

Cursor:

Total = 27.67 dBV/m

E Category: M4

Location: -0.5, 25, 8.7 mm



0 dB = 24.18 V/m = 27.67 dBV/m

#02_HAC_E_GSM1900_GSM Voice_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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 = 17.41 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.71 dBV/m

Emission category: M3

MIF scaled E-field

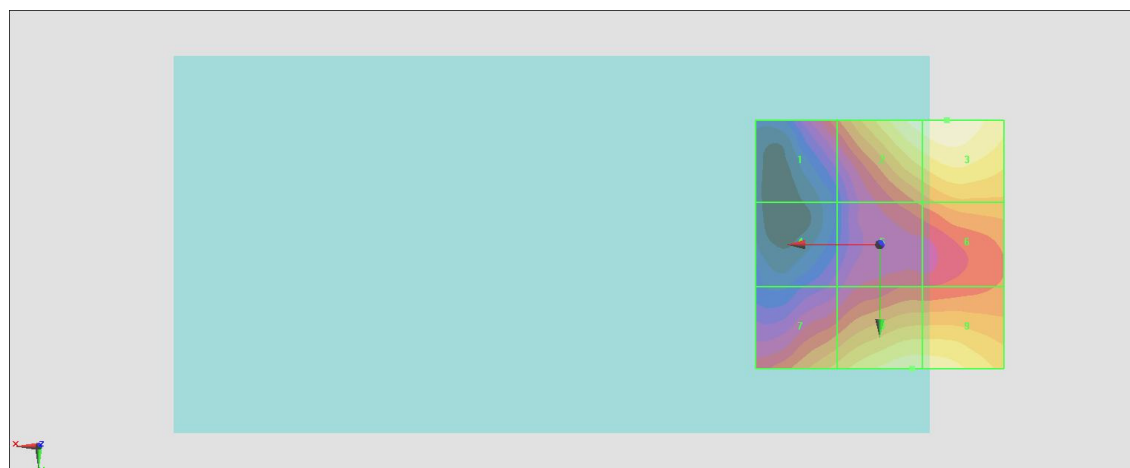
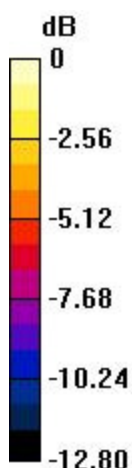
Grid 1 M4 25.48 dBV/m	Grid 2 M3 30.36 dBV/m	Grid 3 M3 30.71 dBV/m
Grid 4 M4 22.78 dBV/m	Grid 5 M4 25.88 dBV/m	Grid 6 M4 27.11 dBV/m
Grid 7 M4 27.68 dBV/m	Grid 8 M4 29.65 dBV/m	Grid 9 M4 29.59 dBV/m

Cursor:

Total = 30.71 dBV/m

E Category: M3

Location: -13.5, -25, 8.7 mm



0 dB = 34.33 V/m = 30.71 dBV/m

#03_HAC_E_LTE Band 38_20M_QPSK_1_0_Ch38000

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2595 MHz; Duty Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ 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: 2016/5/27
- 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)

Ch38000/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 = 6.321 V/m; Power Drift = -0.13 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.08 dBV/m

Emission category: M4

MIF scaled E-field

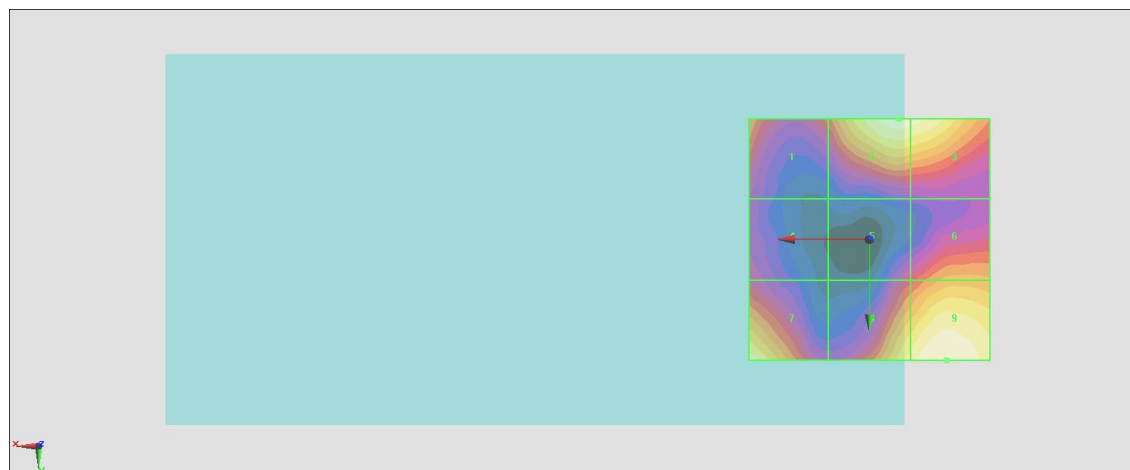
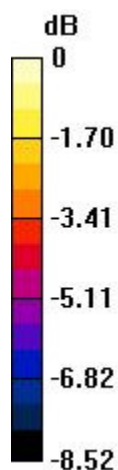
Grid 1 M4 19.52 dBV/m	Grid 2 M4 21.89 dBV/m	Grid 3 M4 21.79 dBV/m
Grid 4 M4 17.58 dBV/m	Grid 5 M4 17.89 dBV/m	Grid 6 M4 19.56 dBV/m
Grid 7 M4 21.42 dBV/m	Grid 8 M4 21.24 dBV/m	Grid 9 M4 22.08 dBV/m

Cursor:

Total = 22.08 dBV/m

E Category: M4

Location: -16, 25, 8.7 mm



0 dB = 12.71 V/m = 22.08 dBV/m

#04_HAC_E_LTE Band 38_20M_16QAM_1_0_Ch38000

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2595 MHz; Duty Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ 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: 2016/5/27
- 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)

Ch38000/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 = 5.205 V/m; Power Drift = -0.15 dB

Applied MIF = -1.44 dB

RF audio interference level = 20.37 dBV/m

Emission category: M4

MIF scaled E-field

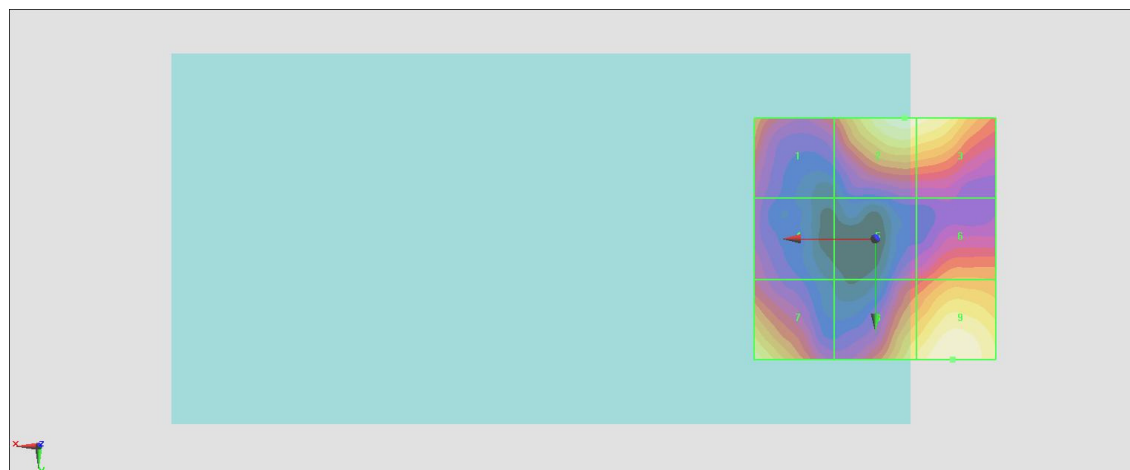
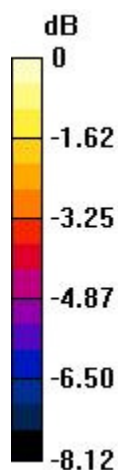
Grid 1 M4 17.82 dBV/m	Grid 2 M4 20.16 dBV/m	Grid 3 M4 20.05 dBV/m
Grid 4 M4 16.14 dBV/m	Grid 5 M4 16.25 dBV/m	Grid 6 M4 17.83 dBV/m
Grid 7 M4 19.7 dBV/m	Grid 8 M4 19.45 dBV/m	Grid 9 M4 20.37 dBV/m

Cursor:

Total = 20.37 dBV/m

E Category: M4

Location: -16, 25, 8.7 mm



0 dB = 10.43 V/m = 20.37 dBV/m