

#01_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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 = 38.88 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.77 dBV/m

Emission category: M4

MIF scaled E-field

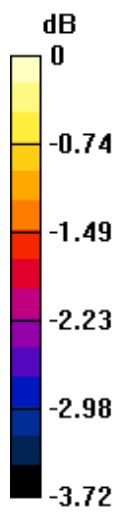
Grid 1 M4 32.91 dBV/m	Grid 2 M4 33.63 dBV/m	Grid 3 M4 33.5 dBV/m
Grid 4 M4 32.75 dBV/m	Grid 5 M4 33.77 dBV/m	Grid 6 M4 33.56 dBV/m
Grid 7 M4 32.38 dBV/m	Grid 8 M4 33.47 dBV/m	Grid 9 M4 33.36 dBV/m

Cursor:

Total = 33.77 dBV/m

E Category: M4

Location: -4.5, -0.5, 8.7 mm



0 dB = 48.81 V/m = 33.77 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 : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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 = 14.62 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.89 dBV/m

Emission category: M4

MIF scaled E-field

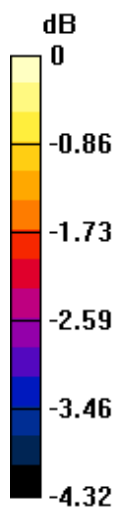
Grid 1 M4 24.82 dBV/m	Grid 2 M4 26.89 dBV/m	Grid 3 M4 26.83 dBV/m
Grid 4 M4 24.48 dBV/m	Grid 5 M4 26.59 dBV/m	Grid 6 M4 26.58 dBV/m
Grid 7 M4 25.06 dBV/m	Grid 8 M4 25.71 dBV/m	Grid 9 M4 25.71 dBV/m

Cursor:

Total = 26.89 dBV/m

E Category: M4

Location: -6, -25, 8.7 mm



0 dB = 22.10 V/m = 26.89 dBV/m

#03_HAC_E_CDMA BC0_1xRTT, RC1 SO3, 18th Rate_Ch1013

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)

Ch1013/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 = 15.64 V/m; Power Drift = 0.04 dB

Applied MIF = 3.26 dB

RF audio interference level = 25.75 dBV/m

Emission category: M4

MIF scaled E-field

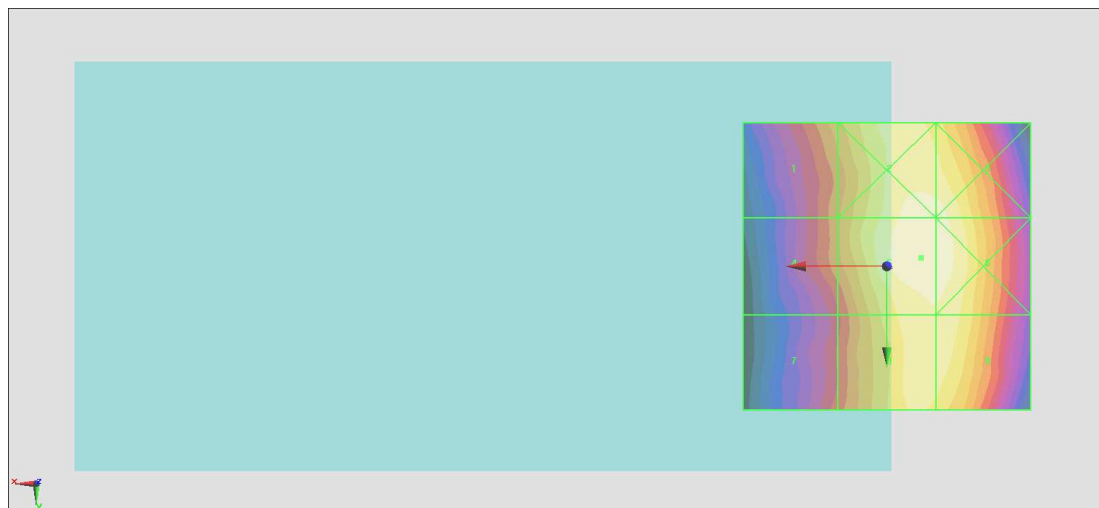
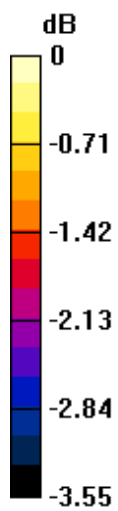
Grid 1 M4 24.72 dBV/m	Grid 2 M4 25.66 dBV/m	Grid 3 M4 25.64 dBV/m
Grid 4 M4 24.53 dBV/m	Grid 5 M4 25.75 dBV/m	Grid 6 M4 25.71 dBV/m
Grid 7 M4 24.24 dBV/m	Grid 8 M4 25.5 dBV/m	Grid 9 M4 25.5 dBV/m

Cursor:

Total = 25.75 dBV/m

E Category: M4

Location: -6, -1.5, 8.7 mm



0 dB = 19.39 V/m = 25.75 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 : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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 = 10.76 V/m; Power Drift = -0.08 dB

Applied MIF = 3.26 dB

RF audio interference level = 26.57 dBV/m

Emission category: M4

MIF scaled E-field

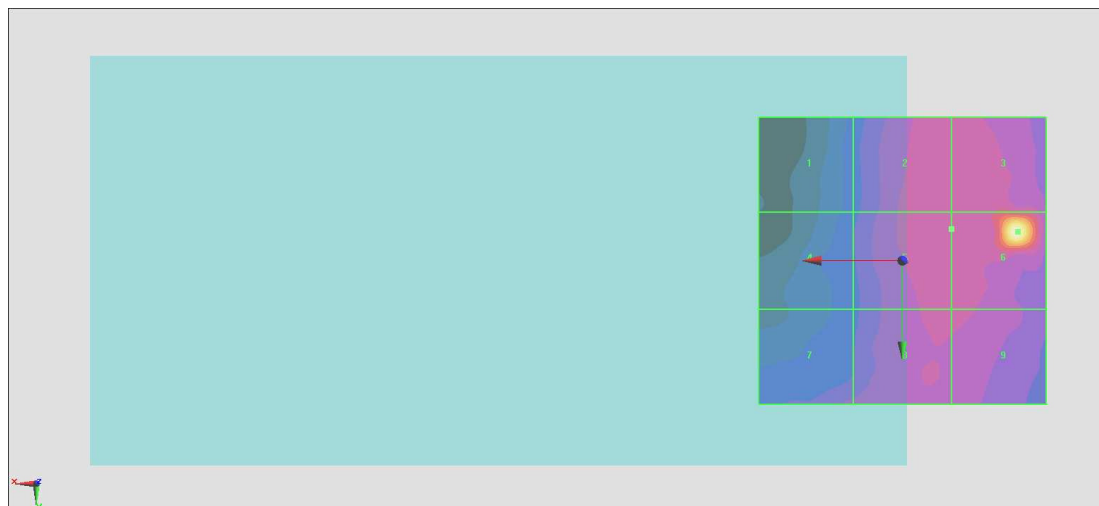
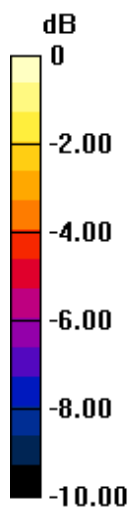
Grid 1 M4 19.03 dBV/m	Grid 2 M4 21.19 dBV/m	Grid 3 M4 21.52 dBV/m
Grid 4 M4 19.27 dBV/m	Grid 5 M4 21.21 dBV/m	Grid 6 M4 26.57 dBV/m
Grid 7 M4 20.17 dBV/m	Grid 8 M4 20.78 dBV/m	Grid 9 M4 20.78 dBV/m

Cursor:

Total = 26.57 dBV/m

E Category: M4

Location: -20, -5, 8.7 mm



0 dB = 21.31 V/m = 26.57 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 : 23.6 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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 = 15.33 V/m; Power Drift = 0.00 dB

Applied MIF = 3.26 dB

RF audio interference level = 25.72 dBV/m

Emission category: M4

MIF scaled E-field

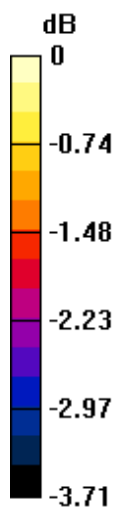
Grid 1 M4 24.66 dBV/m	Grid 2 M4 25.72 dBV/m	Grid 3 M4 25.11 dBV/m
Grid 4 M4 24.49 dBV/m	Grid 5 M4 25.26 dBV/m	Grid 6 M4 25.21 dBV/m
Grid 7 M4 24.13 dBV/m	Grid 8 M4 25.08 dBV/m	Grid 9 M4 25.01 dBV/m

Cursor:

Total = 25.72 dBV/m

E Category: M4

Location: -4.5, -25, 8.7 mm



0 dB = 19.33 V/m = 25.72 dBV/m

#06_HAC_E_LTE Band 38_20M_QPSK_1_0_Ch38150

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2610 MHz; Duty Cycle: 1:1.59

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: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)

Ch38150/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 = 7.109 V/m; Power Drift = 0.05 dB

Applied MIF = -1.62 dB

RF audio interference level = 19.51 dBV/m

Emission category: M4

MIF scaled E-field

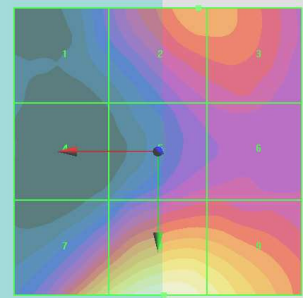
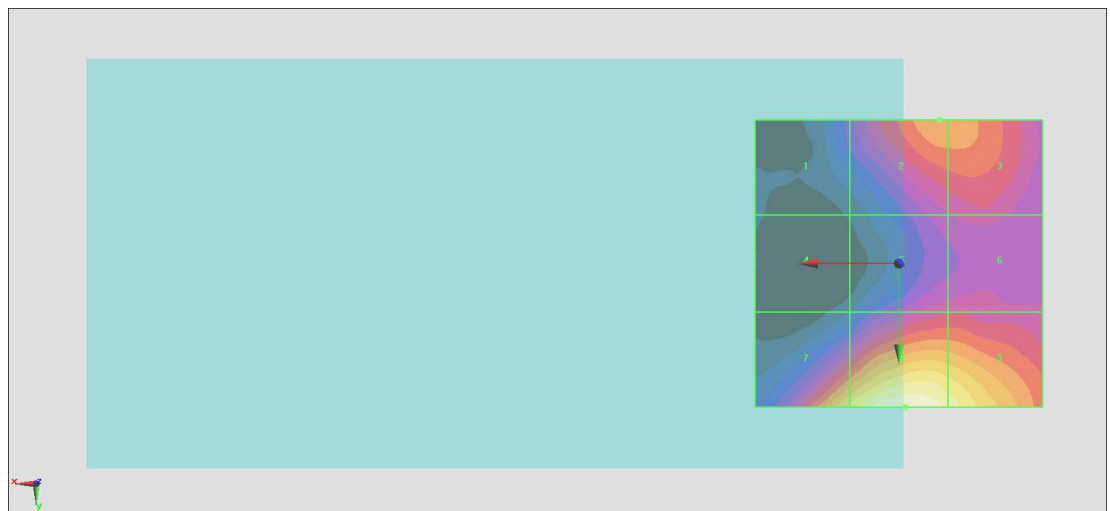
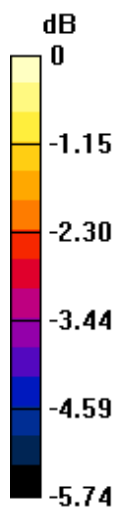
Grid 1 M4 15.53 dBV/m	Grid 2 M4 17.56 dBV/m	Grid 3 M4 17.54 dBV/m
Grid 4 M4 14.61 dBV/m	Grid 5 M4 16.41 dBV/m	Grid 6 M4 16.44 dBV/m
Grid 7 M4 18.56 dBV/m	Grid 8 M4 19.51 dBV/m	Grid 9 M4 19.01 dBV/m

Cursor:

Total = 19.51 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 9.455 V/m = 19.51 dBV/m

#07_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch41490

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz; Duty Cycle: 1:1.59

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: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2016/7/11
- 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)

Ch41490/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 = 7.001 V/m; Power Drift = 0.05 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.21 dBV/m

Emission category: M4

MIF scaled E-field

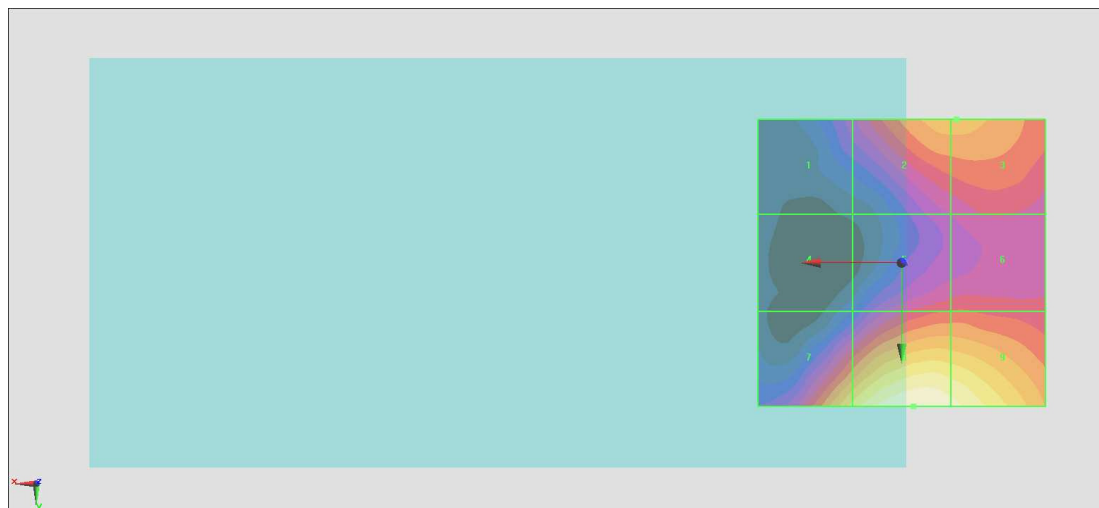
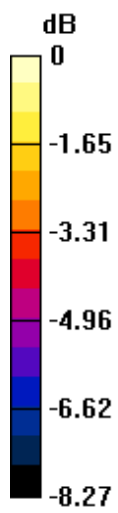
Grid 1 M4 16.11 dBV/m	Grid 2 M4 18.78 dBV/m	Grid 3 M4 18.78 dBV/m
Grid 4 M4 14.71 dBV/m	Grid 5 M4 17.42 dBV/m	Grid 6 M4 17.46 dBV/m
Grid 7 M4 19.82 dBV/m	Grid 8 M4 21.21 dBV/m	Grid 9 M4 20.87 dBV/m

Cursor:

Total = 21.21 dBV/m

E Category: M4

Location: -2, 25, 8.7 mm



0 dB = 11.50 V/m = 21.21 dBV/m