

#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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 72.79 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.60 dBV/m

Emission category: M4

MIF scaled E-field

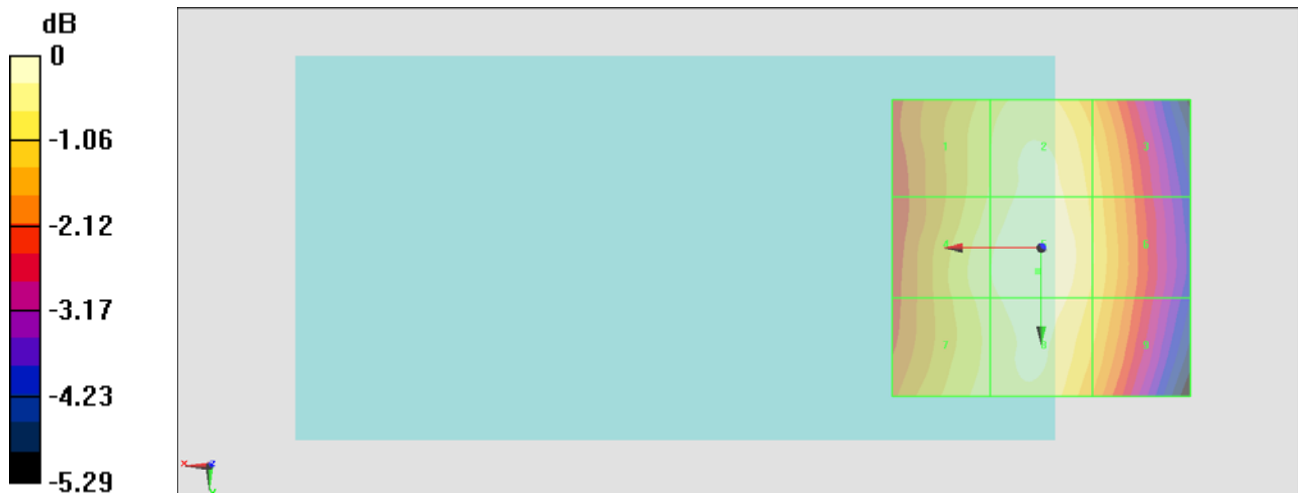
| | | |
|--|--|--|
| Grid 1 M4 37.95 dBV/m | Grid 2 M4 38.36 dBV/m | Grid 3 M4 37.82 dBV/m |
| Grid 4 M4 38.24 dBV/m | Grid 5 M4 38.6 dBV/m | Grid 6 M4 37.94 dBV/m |
| Grid 7 M4 38.12 dBV/m | Grid 8 M4 38.44 dBV/m | Grid 9 M4 37.82 dBV/m |

Cursor:

Total = 38.60 dBV/m

E Category: M4

Location: 0.5, 4, 8.7 mm



0 dB = 85.10 V/m = 38.60 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 71.56 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.71 dBV/m

Emission category: M4

MIF scaled E-field

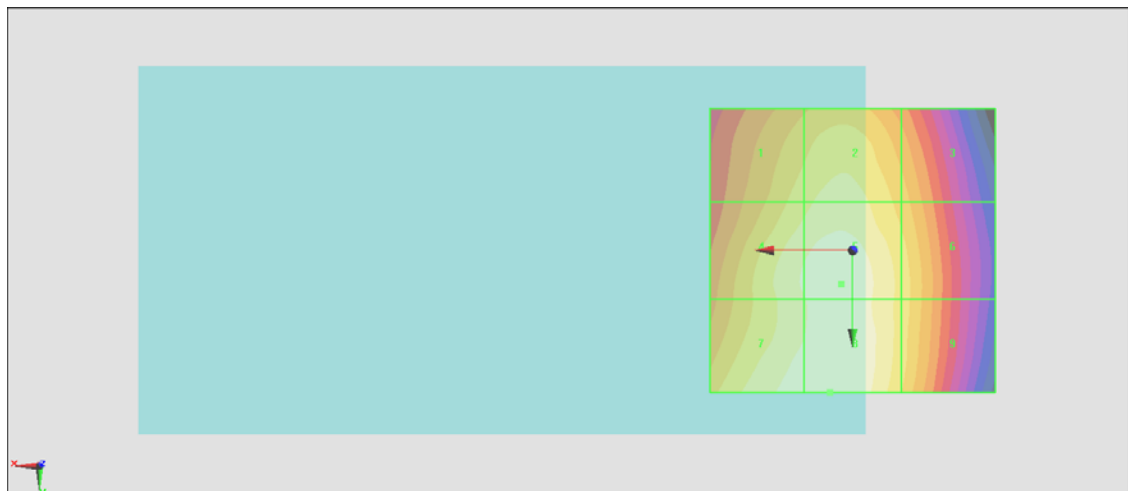
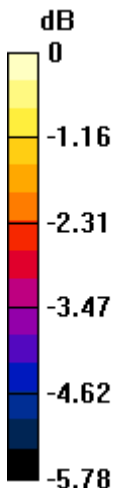
| | | |
|--|--|--|
| Grid 1 M4 37.81 dBV/m | Grid 2 M4 38.11 dBV/m | Grid 3 M4 37.39 dBV/m |
| Grid 4 M4 38.37 dBV/m | Grid 5 M4 38.59 dBV/m | Grid 6 M4 37.8 dBV/m |
| Grid 7 M4 38.55 dBV/m | Grid 8 M4 38.71 dBV/m | Grid 9 M4 37.79 dBV/m |

Cursor:

Total = 38.71 dBV/m

E Category: M4

Location: 4, 25, 8.7 mm



0 dB = 86.16 V/m = 38.71 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 71.85 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.04 dBV/m

Emission category: M4

MIF scaled E-field

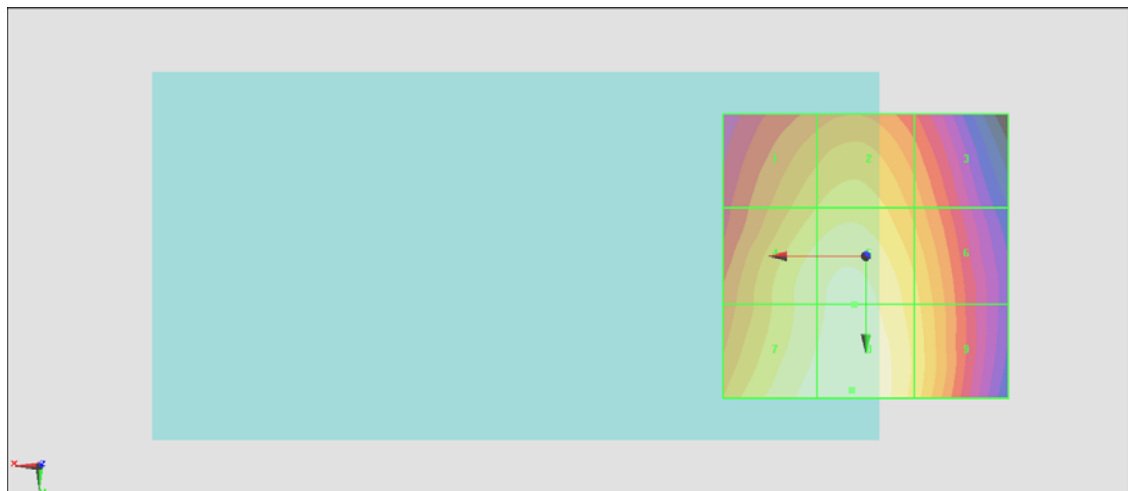
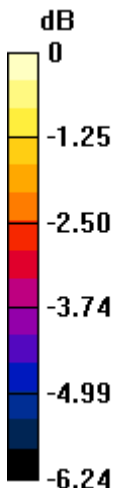
| | | |
|--|--|--|
| Grid 1 M4 37.81 dBV/m | Grid 2 M4 38.06 dBV/m | Grid 3 M4 37.24 dBV/m |
| Grid 4 M4 38.54 dBV/m | Grid 5 M4 38.76 dBV/m | Grid 6 M4 37.95 dBV/m |
| Grid 7 M4 38.87 dBV/m | Grid 8 M4 39.04 dBV/m | Grid 9 M4 38.13 dBV/m |

Cursor:

Total = 39.04 dBV/m

E Category: M4

Location: 2.5, 23.5, 8.7 mm



0 dB = 89.53 V/m = 39.04 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 28.79 V/m; Power Drift = 0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.67 dBV/m

Emission category: M3

MIF scaled E-field

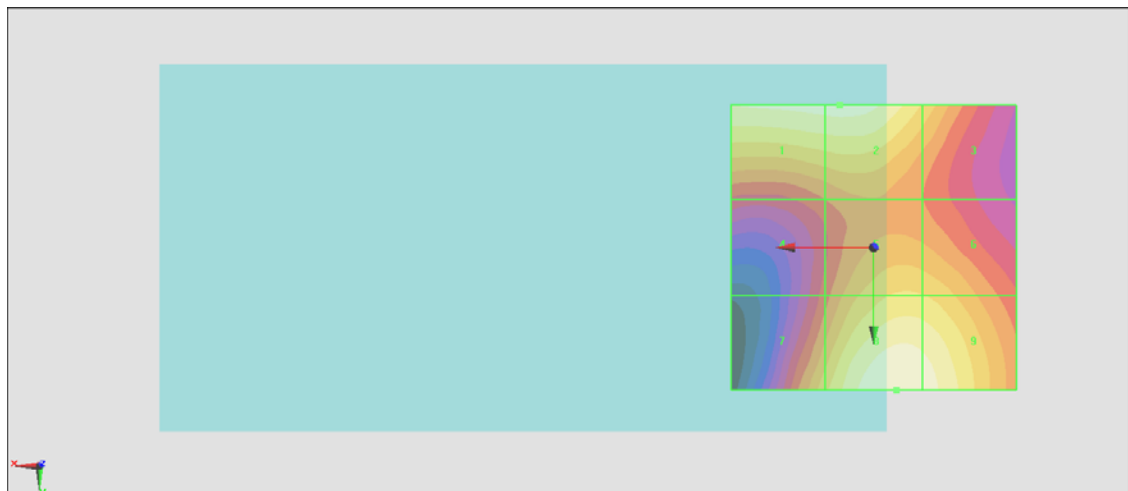
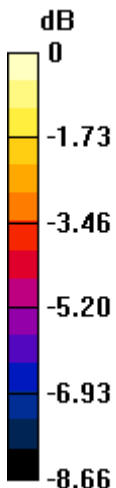
| | | |
|--|--|--|
| Grid 1 M3 33.34 dBV/m | Grid 2 M3 33.41 dBV/m | Grid 3 M3 31.88 dBV/m |
| Grid 4 M3 30.23 dBV/m | Grid 5 M3 32.06 dBV/m | Grid 6 M3 31.98 dBV/m |
| Grid 7 M3 31.81 dBV/m | Grid 8 M3 33.67 dBV/m | Grid 9 M3 33.43 dBV/m |

Cursor:

Total = 33.67 dBV/m

E Category: M3

Location: -4, 25, 8.7 mm



0 dB = 48.24 V/m = 33.67 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 29.47 V/m; Power Drift = -0.00 dB
 Applied MIF = 3.63 dB
 RF audio interference level = 34.10 dBV/m

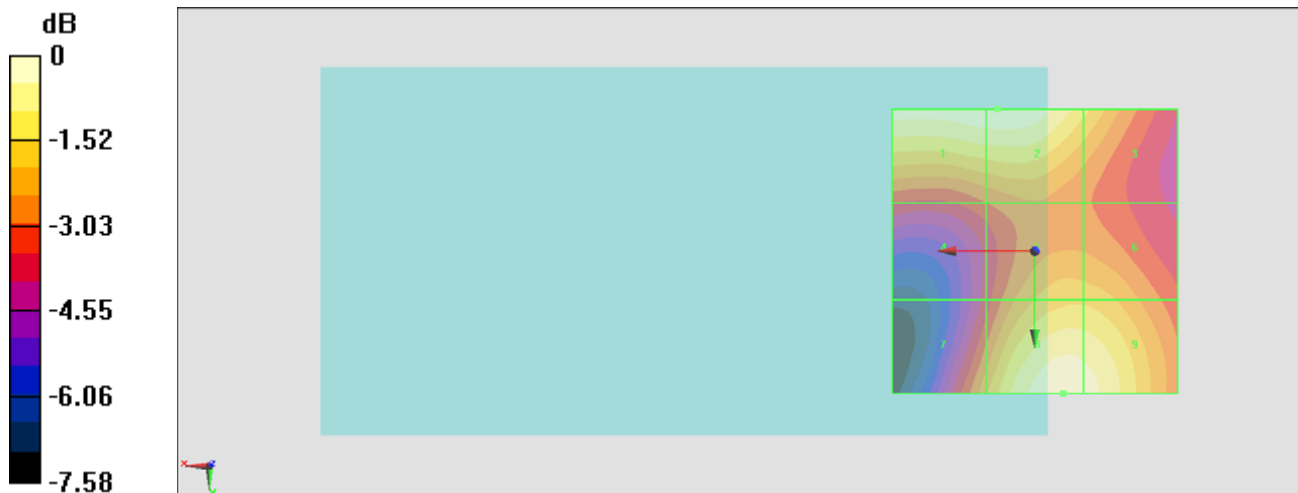
Emission category: M3

MIF scaled E-field

| | | |
|--|--|--|
| Grid 1 M3 34.08 dBV/m | Grid 2 M3 34.1 dBV/m | Grid 3 M3 32.82 dBV/m |
| Grid 4 M3 31.08 dBV/m | Grid 5 M3 32.5 dBV/m | Grid 6 M3 32.48 dBV/m |
| Grid 7 M3 32.02 dBV/m | Grid 8 M3 34.01 dBV/m | Grid 9 M3 33.86 dBV/m |

Cursor:

Total = 34.10 dBV/m
 E Category: M3
 Location: 6.5, -25, 8.7 mm



0 dB = 50.72 V/m = 34.10 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 : 23.2 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2015/7/21
- 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 = 28.75 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.16 dBV/m

Emission category: M3

MIF scaled E-field

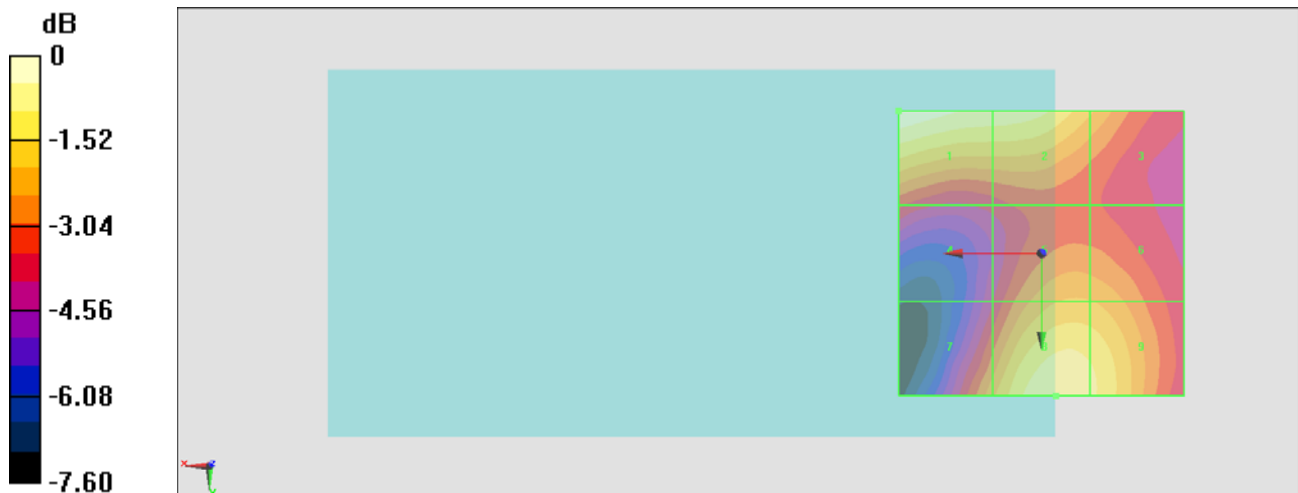
| | | |
|--|--|--|
| Grid 1 M3 34.16 dBV/m | Grid 2 M3 33.54 dBV/m | Grid 3 M3 32.25 dBV/m |
| Grid 4 M3 30.77 dBV/m | Grid 5 M3 32.21 dBV/m | Grid 6 M3 32.17 dBV/m |
| Grid 7 M3 32.05 dBV/m | Grid 8 M3 33.6 dBV/m | Grid 9 M3 33.29 dBV/m |

Cursor:

Total = 34.16 dBV/m

E Category: M3

Location: 25, -25, 8.7 mm



0 dB = 51.02 V/m = 34.15 dBV/m