



REPORT No. : SZ19070211S01

Annex D Plots of RF Test Results

HAC RF_GSM850_GSM Voice_Ch128_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2018.10.18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch128/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 = 58.99 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.36 dBV/m

Emission category: M4

MIF scaled E-field

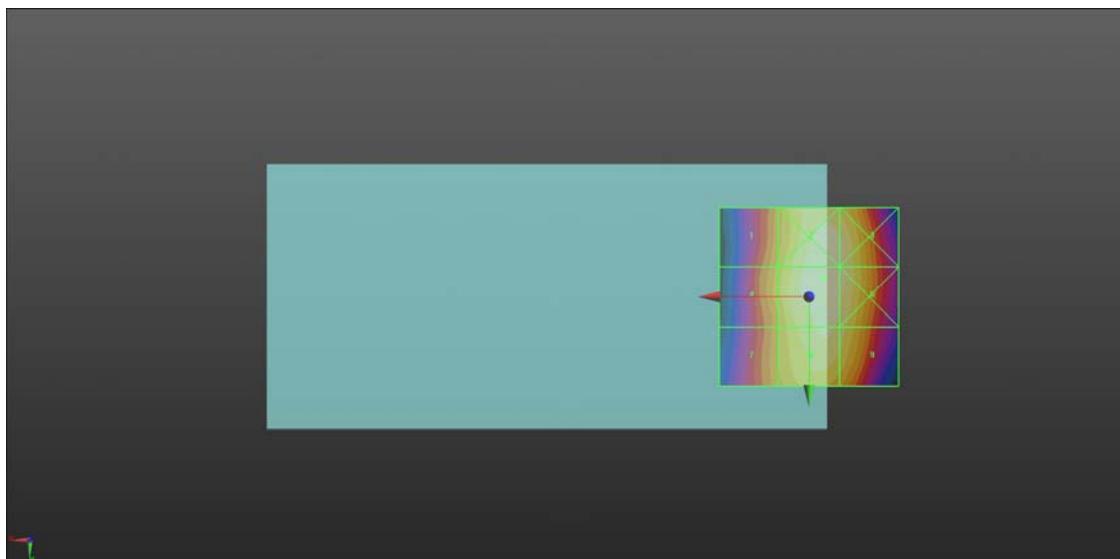
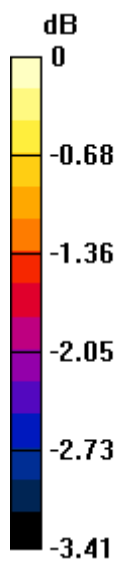
Grid 1 M4 36.53 dBV/m	Grid 2 M4 37.34 dBV/m	Grid 3 M4 37.22 dBV/m
Grid 4 M4 36.62 dBV/m	Grid 5 M4 37.36 dBV/m	Grid 6 M4 37.23 dBV/m
Grid 7 M4 36.46 dBV/m	Grid 8 M4 37.19 dBV/m	Grid 9 M4 37.06 dBV/m

Cursor:

Total = 37.36 dBV/m

E Category: M4

Location: -4, -5.5, 8.7 mm



0 dB = 73.76 V/m = 37.36 dBV/m

HAC RF_GSM850_GSM Voice_Ch189_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2018.10.18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/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 = 59.35 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.50 dBV/m

Emission category: M4

MIF scaled E-field

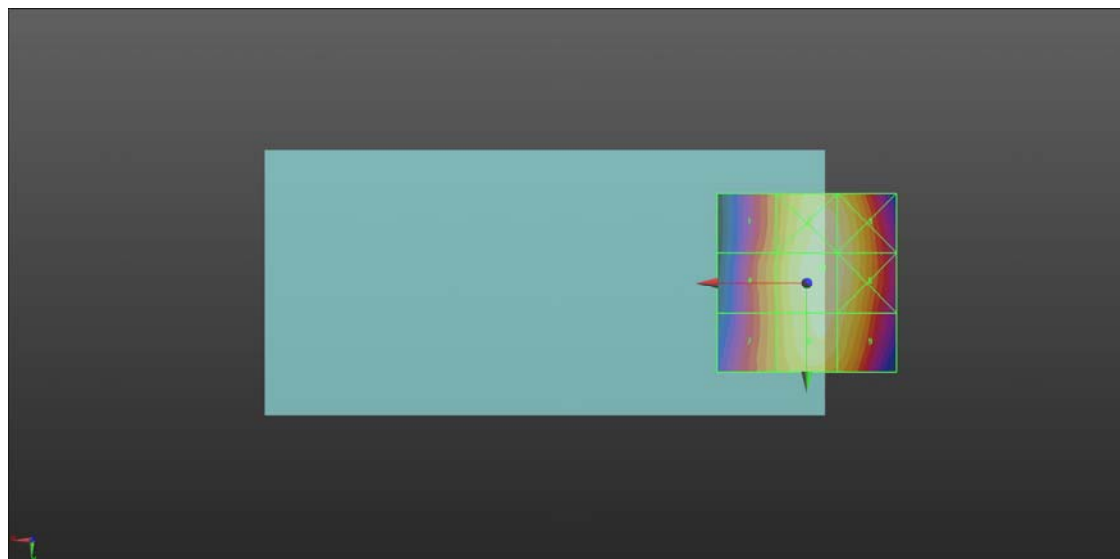
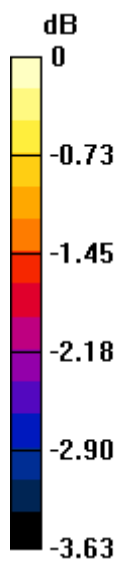
Grid 1 M4 36.52 dBV/m	Grid 2 M4 37.44 dBV/m	Grid 3 M4 37.37 dBV/m
Grid 4 M4 36.64 dBV/m	Grid 5 M4 37.5 dBV/m	Grid 6 M4 37.4 dBV/m
Grid 7 M4 36.57 dBV/m	Grid 8 M4 37.36 dBV/m	Grid 9 M4 37.2 dBV/m

Cursor:

Total = 37.50 dBV/m

E Category: M4

Location: -4.5, -4.5, 8.7 mm



0 dB = 74.95 V/m = 37.50 dBV/m

HAC RF_GSM850_GSM Voice_Ch251_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2018.10.18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/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 = 59.68 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.57 dBV/m

Emission category: M4

MIF scaled E-field

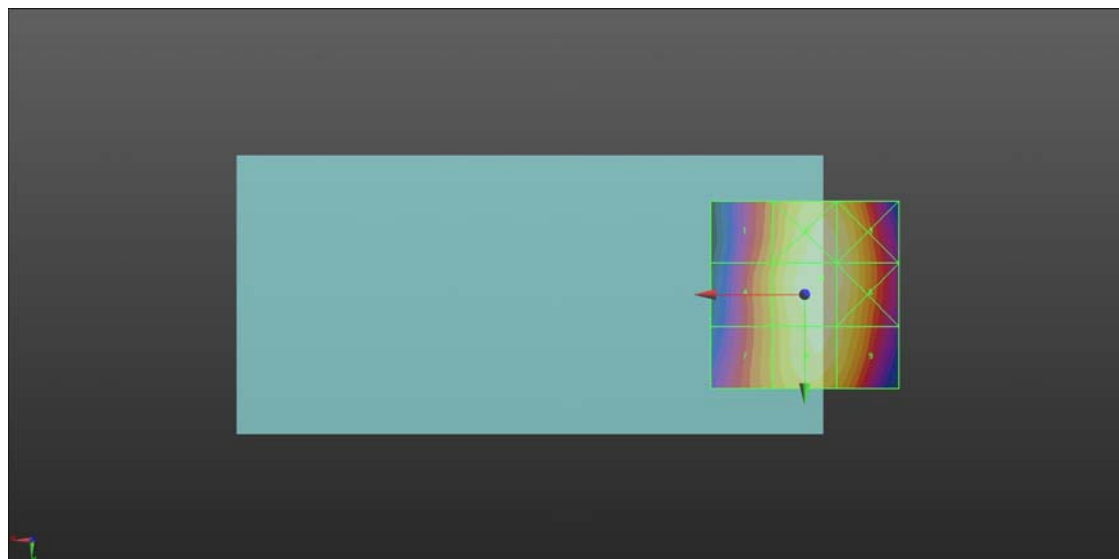
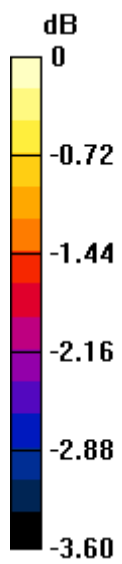
Grid 1 M4 36.64 dBV/m	Grid 2 M4 37.53 dBV/m	Grid 3 M4 37.44 dBV/m
Grid 4 M4 36.76 dBV/m	Grid 5 M4 37.57 dBV/m	Grid 6 M4 37.46 dBV/m
Grid 7 M4 36.69 dBV/m	Grid 8 M4 37.43 dBV/m	Grid 9 M4 37.26 dBV/m

Cursor:

Total = 37.57 dBV/m

E Category: M4

Location: -4.5, -4.5, 8.7 mm



0 dB = 75.59 V/m = 37.57 dBV/m

HAC RF_GSM1900_GSM Voice_Ch512_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2018.10.18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512/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 = 8.016 V/m; Power Drift = 0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.60 dBV/m

Emission category: M4

MIF scaled E-field

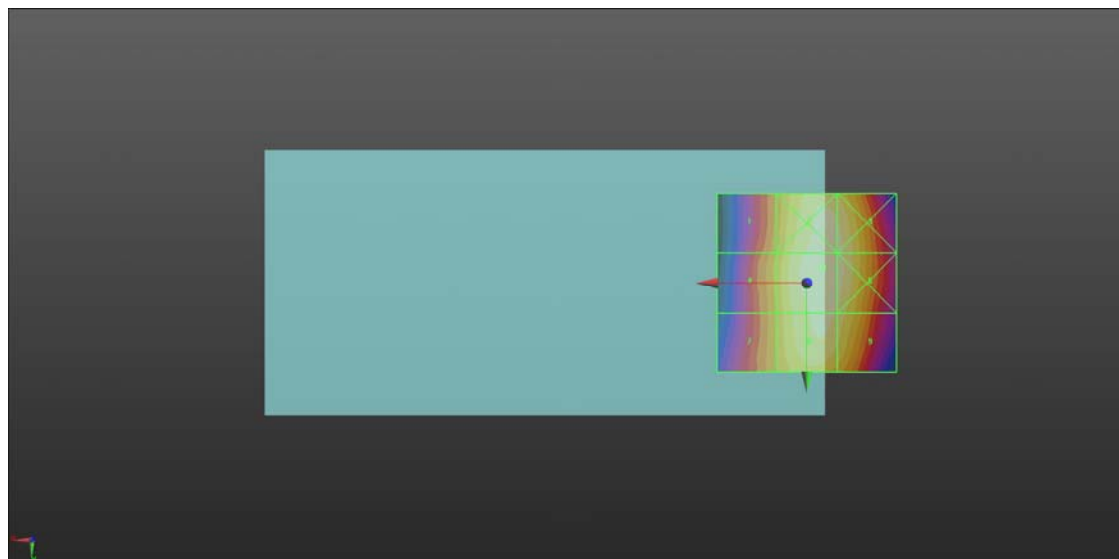
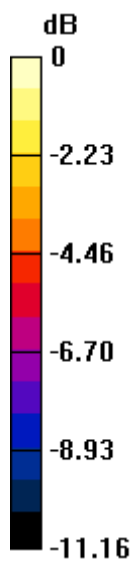
Grid 1 M4 27.6 dBV/m	Grid 2 M4 27.24 dBV/m	Grid 3 M4 24.64 dBV/m
Grid 4 M4 23.25 dBV/m	Grid 5 M4 25.39 dBV/m	Grid 6 M4 25.4 dBV/m
Grid 7 M4 27.18 dBV/m	Grid 8 M4 28.77 dBV/m	Grid 9 M4 28.65 dBV/m

Cursor:

Total = 28.77 dBV/m

E Category: M4

Location: -5, 25, 8.7 mm



0 dB = 27.44 V/m = 28.77 dBV/m

HAC RF_GSM1900_GSM Voice_Ch661_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2018.10.18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/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 = 5.776 V/m; Power Drift = -0.16 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.46 dBV/m

Emission category: M4

MIF scaled E-field

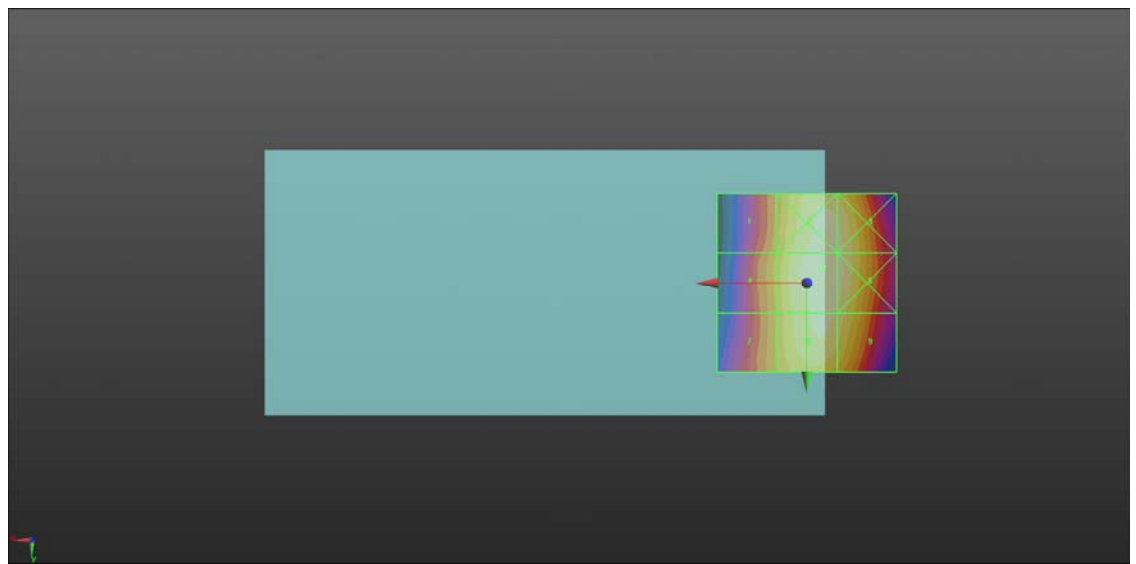
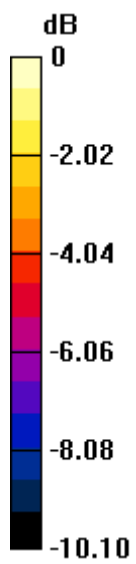
Grid 1 M4 26.46 dBV/m	Grid 2 M4 26.42 dBV/m	Grid 3 M4 24.53 dBV/m
Grid 4 M4 22.03 dBV/m	Grid 5 M4 23 dBV/m	Grid 6 M4 23.08 dBV/m
Grid 7 M4 25.32 dBV/m	Grid 8 M4 26.86 dBV/m	Grid 9 M4 26.72 dBV/m

Cursor:

Total = 26.86 dBV/m

E Category: M4

Location: -5, 25, 8.7 mm



0 dB = 22.02 V/m = 26.86 dBV/m

HAC RF_GSM1900_GSM Voice_Ch810_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2018.10.18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2019.04.11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/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 = 3.835 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 24.24 dBV/m

Emission category: M4

MIF scaled E-field

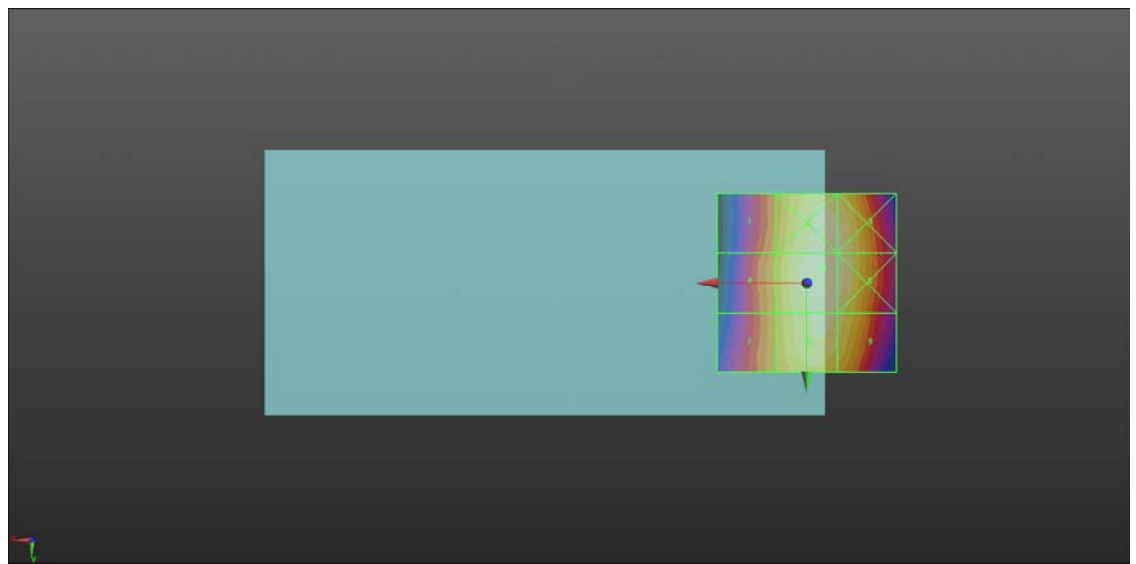
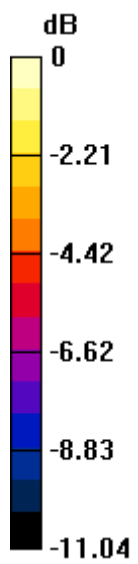
Grid 1 M4 24.2 dBV/m	Grid 2 M4 24.24 dBV/m	Grid 3 M4 22.86 dBV/m
Grid 4 M4 18.61 dBV/m	Grid 5 M4 19.89 dBV/m	Grid 6 M4 19.95 dBV/m
Grid 7 M4 23.18 dBV/m	Grid 8 M4 24.59 dBV/m	Grid 9 M4 24.44 dBV/m

Cursor:

Total = 24.59 dBV/m

E Category: M4

Location: -4.5, 25, 8.7 mm



0 dB = 16.97 V/m = 24.59 dBV/m