



REPORT No. : SZ19080141S01

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 : 23.3 °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 = 80.73 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.72 dBV/m

Emission category: M4

MIF scaled E-field

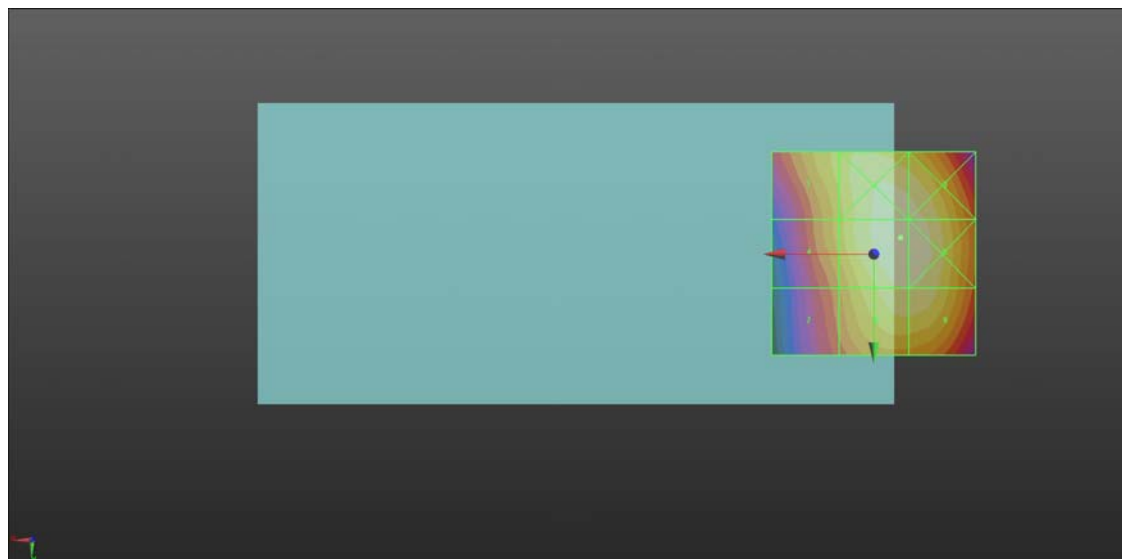
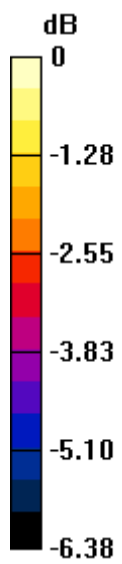
Grid 1 M4 38.64 dBV/m	Grid 2 M4 39.62 dBV/m	Grid 3 M4 39.55 dBV/m
Grid 4 M4 38.28 dBV/m	Grid 5 M4 39.72 dBV/m	Grid 6 M4 39.69 dBV/m
Grid 7 M4 37.57 dBV/m	Grid 8 M4 39.32 dBV/m	Grid 9 M4 39.32 dBV/m

Cursor:

Total = 39.72 dBV/m

E Category: M4

Location: -6.5, -4, 8.7 mm



0 dB = 96.79 V/m = 39.72 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 : 23.3 °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 = 80.20 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.81 dBV/m

Emission category: M4

MIF scaled E-field

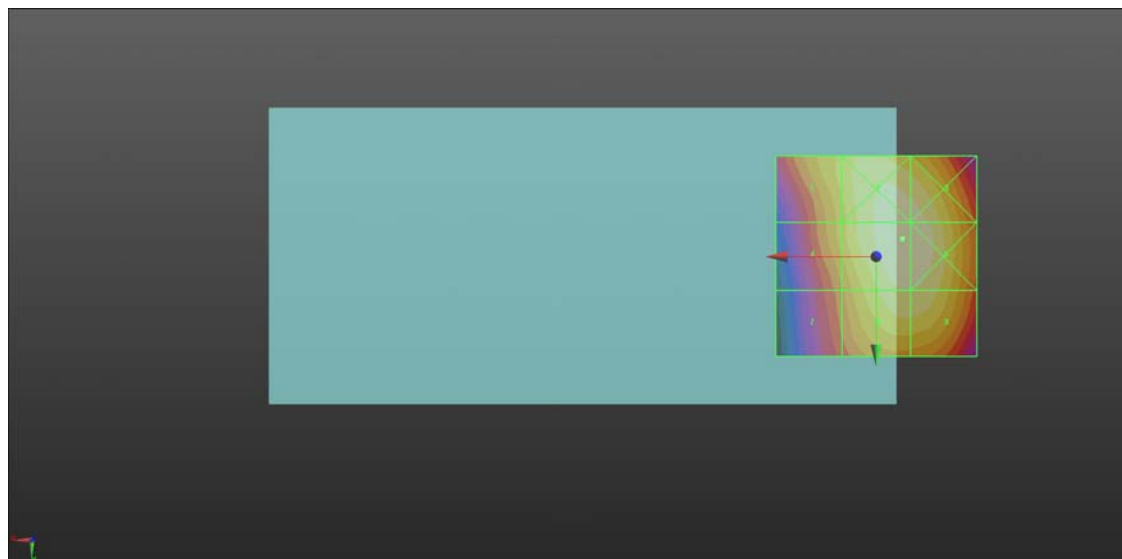
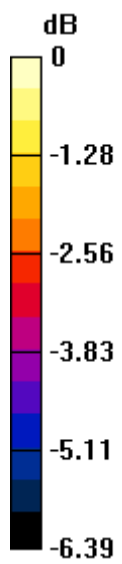
Grid 1 M4 38.71 dBV/m	Grid 2 M4 39.69 dBV/m	Grid 3 M4 39.67 dBV/m
Grid 4 M4 38.35 dBV/m	Grid 5 M4 39.81 dBV/m	Grid 6 M4 39.78 dBV/m
Grid 7 M4 37.64 dBV/m	Grid 8 M4 39.4 dBV/m	Grid 9 M4 39.4 dBV/m

Cursor:

Total = 39.81 dBV/m

E Category: M4

Location: -6.5, -4.5, 8.7 mm



0 dB = 97.82 V/m = 39.81 dBV/m

HAC RF_GSM850_GSM Voice_Ch251_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 : 23.3 °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 = 79.91 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.68 dBV/m

Emission category: M4

MIF scaled E-field

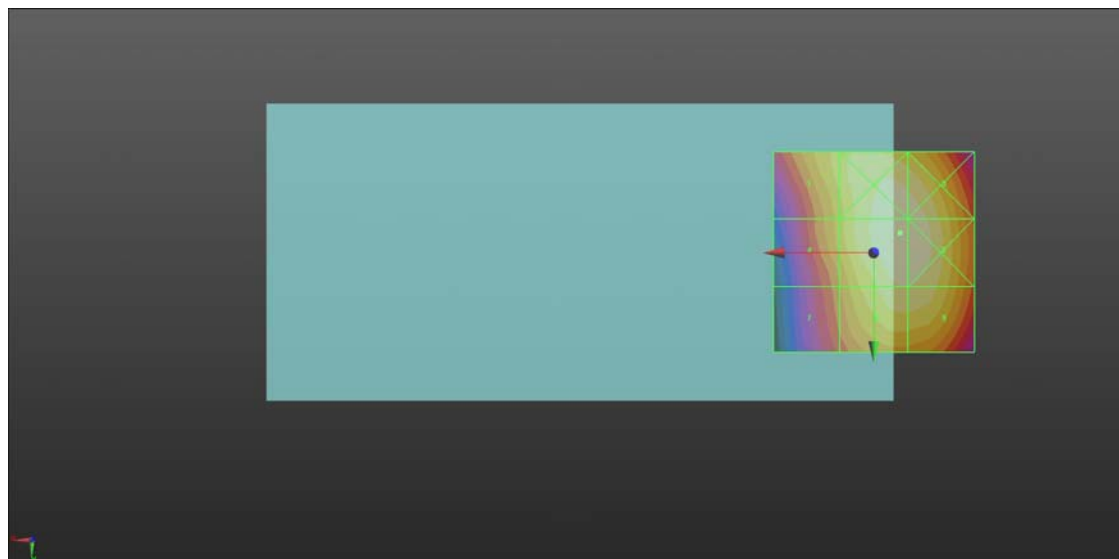
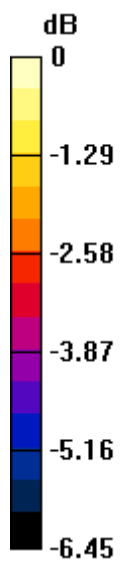
Grid 1 M4 38.62 dBV/m	Grid 2 M4 39.61 dBV/m	Grid 3 M4 39.56 dBV/m
Grid 4 M4 38.2 dBV/m	Grid 5 M4 39.68 dBV/m	Grid 6 M4 39.66 dBV/m
Grid 7 M4 37.5 dBV/m	Grid 8 M4 39.24 dBV/m	Grid 9 M4 39.24 dBV/m

Cursor:

Total = 39.68 dBV/m

E Category: M4

Location: -6.5, -5, 8.7 mm



0 dB = 96.38 V/m = 39.68 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 = 13.25 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.44 dBV/m

Emission category: M4

MIF scaled E-field

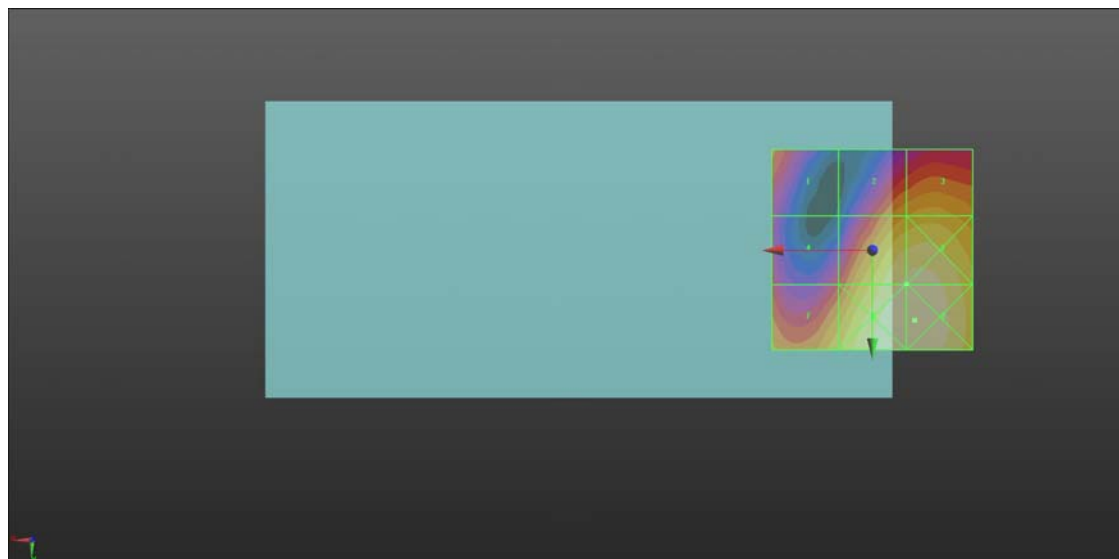
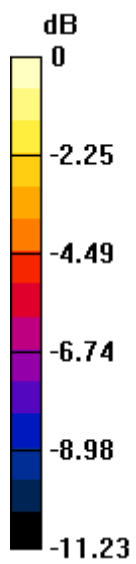
Grid 1 M4 22.76 dBV/m	Grid 2 M4 23.99 dBV/m	Grid 3 M4 24.42 dBV/m
Grid 4 M4 21.64 dBV/m	Grid 5 M4 26.44 dBV/m	Grid 6 M4 26.59 dBV/m
Grid 7 M4 24.69 dBV/m	Grid 8 M4 26.95 dBV/m	Grid 9 M4 26.97 dBV/m

Cursor:

Total = 26.97 dBV/m

E Category: M4

Location: -10.5, 17.5, 8.7 mm



0 dB = 22.30 V/m = 26.97 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 : 23.3 °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 = 11.25 V/m; Power Drift = 0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.51 dBV/m

Emission category: M4

MIF scaled E-field

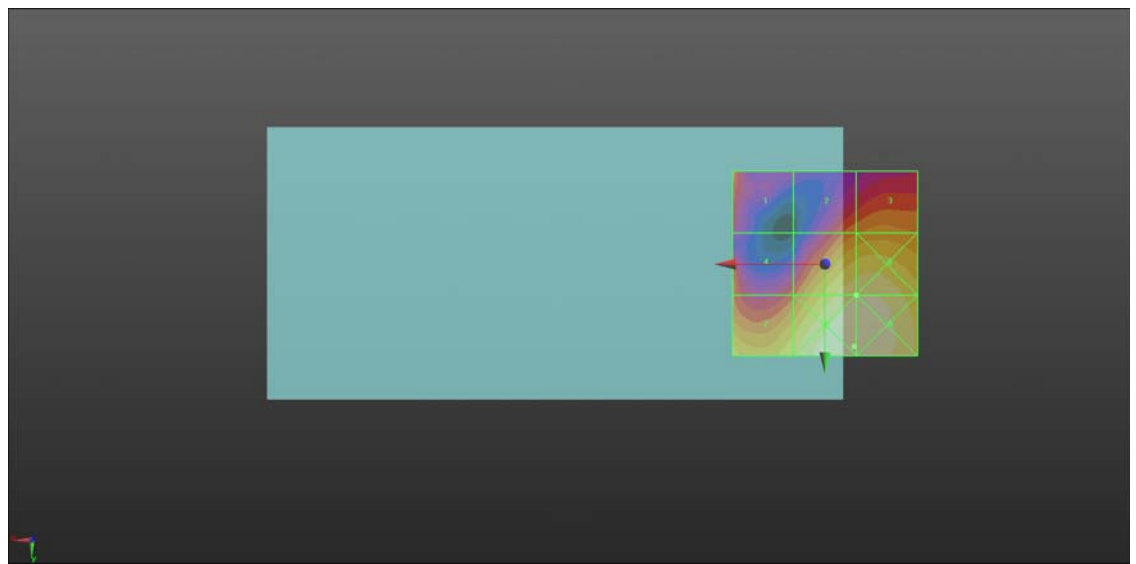
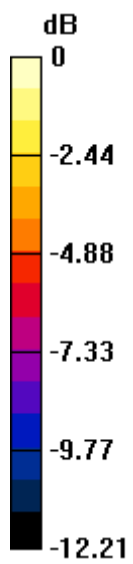
Grid 1 M4 22.31 dBV/m	Grid 2 M4 22.22 dBV/m	Grid 3 M4 22.8 dBV/m
Grid 4 M4 22.07 dBV/m	Grid 5 M4 25.51 dBV/m	Grid 6 M4 25.62 dBV/m
Grid 7 M4 24.81 dBV/m	Grid 8 M4 26.41 dBV/m	Grid 9 M4 26.41 dBV/m

Cursor:

Total = 26.41 dBV/m

E Category: M4

Location: -8, 22.5, 8.7 mm



0 dB = 20.92 V/m = 26.41 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 : 23.3 °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 = 10.41 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 24.96 dBV/m

Emission category: M4

MIF scaled E-field

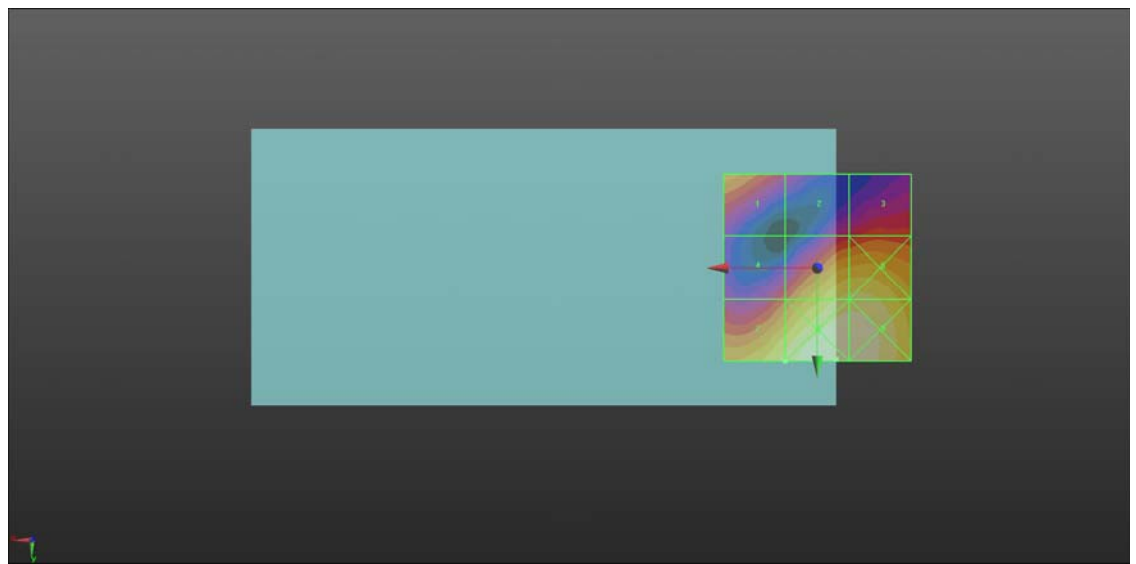
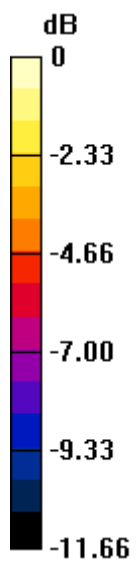
Grid 1 M4 22.72 dBV/m	Grid 2 M4 20.43 dBV/m	Grid 3 M4 21.31 dBV/m
Grid 4 M4 21.37 dBV/m	Grid 5 M4 24.93 dBV/m	Grid 6 M4 24.96 dBV/m
Grid 7 M4 24.96 dBV/m	Grid 8 M4 26.19 dBV/m	Grid 9 M4 26.09 dBV/m

Cursor:

Total = 26.19 dBV/m

E Category: M4

Location: -5, 24.5, 8.7 mm



0 dB = 20.38 V/m = 26.18 dBV/m