



REPORT No. : SZ21070044S01

Annex D Plots of RF Emission 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: 2021.03.04;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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)

Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/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 = 41.44 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.88 dBV/m

Emission category: M4

MIF scaled E-field

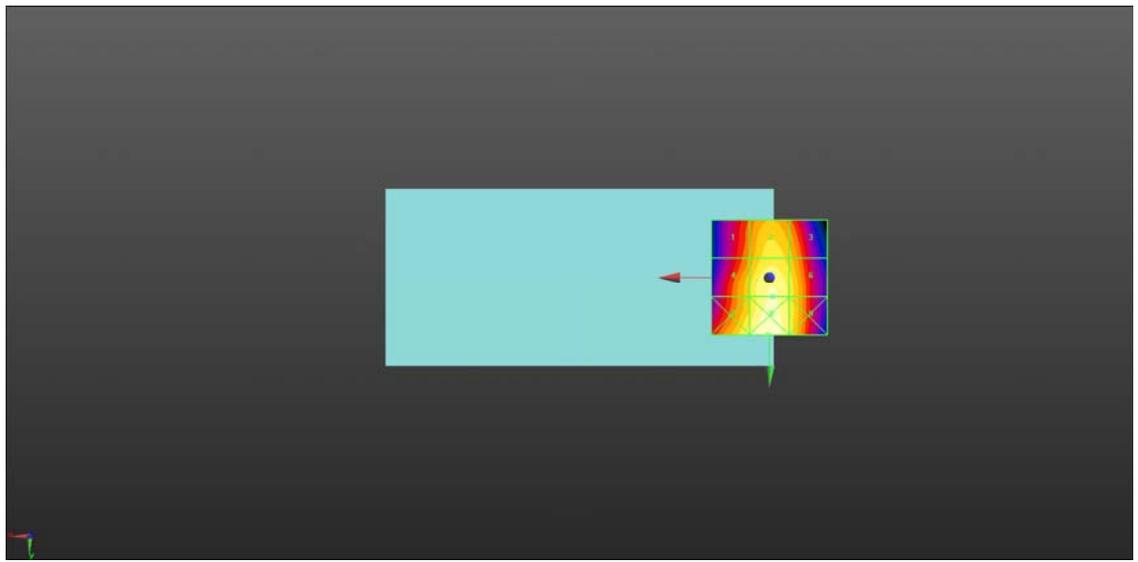
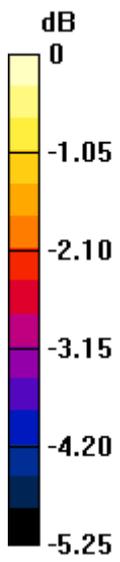
Grid 1 M4 32.55 dBV/m	Grid 2 M4 33.39 dBV/m	Grid 3 M4 33.01 dBV/m
Grid 4 M4 33.13 dBV/m	Grid 5 M4 33.88 dBV/m	Grid 6 M4 33.42 dBV/m
Grid 7 M4 33.69 dBV/m	Grid 8 M4 34.19 dBV/m	Grid 9 M4 33.45 dBV/m

Cursor:

Total = 34.19 dBV/m

E Category: M4

Location: 0.5, 25, 8.7 mm



0 dB = 51.25 V/m = 34.19 dBV/m

HAC RF_GSM850_GSM Voice_Ch189_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2021.03.04;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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 = 46.20 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.85 dBV/m

Emission category: M4

MIF scaled E-field

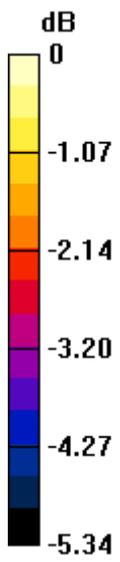
Grid 1 M4 33.43 dBV/m	Grid 2 M4 34.33 dBV/m	Grid 3 M4 33.96 dBV/m
Grid 4 M4 34.11 dBV/m	Grid 5 M4 34.85 dBV/m	Grid 6 M4 34.4 dBV/m
Grid 7 M4 34.7 dBV/m	Grid 8 M4 35.21 dBV/m	Grid 9 M4 34.5 dBV/m

Cursor:

Total = 35.21 dBV/m

E Category: M4

Location: 0, 25, 8.7 mm



0 dB = 57.60 V/m = 35.21 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: 2021.03.04;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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 = 46.95 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.00 dBV/m

Emission category: M4

MIF scaled E-field

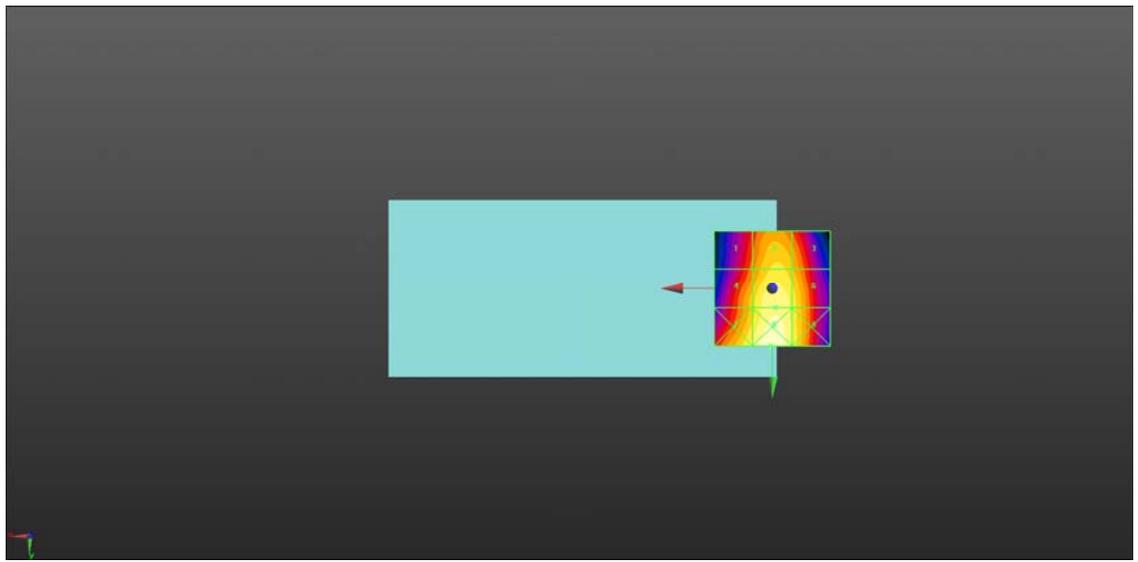
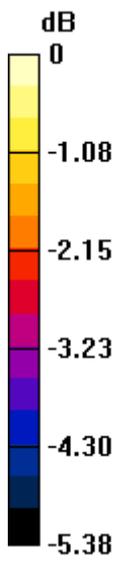
Grid 1 M4 33.49 dBV/m	Grid 2 M4 34.45 dBV/m	Grid 3 M4 34.08 dBV/m
Grid 4 M4 34.21 dBV/m	Grid 5 M4 35 dBV/m	Grid 6 M4 34.6 dBV/m
Grid 7 M4 34.87 dBV/m	Grid 8 M4 35.41 dBV/m	Grid 9 M4 34.72 dBV/m

Cursor:

Total = 35.41 dBV/m

E Category: M4

Location: 0.5, 25, 8.7 mm



0 dB = 58.95 V/m = 35.41 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: 2021.03.04;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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 = 19.65 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.42 dBV/m

Emission category: M4

MIF scaled E-field

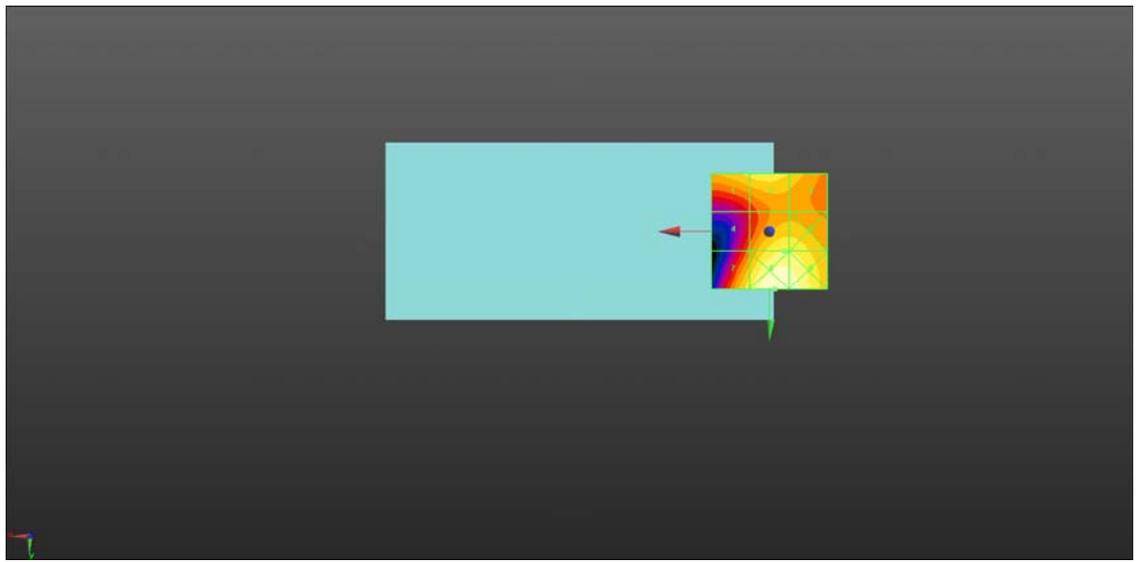
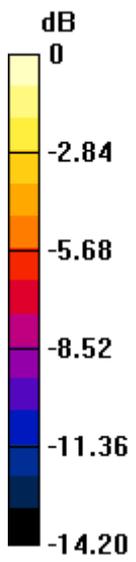
Grid 1 M4 28.74 dBV/m	Grid 2 M4 29.13 dBV/m	Grid 3 M4 28.43 dBV/m
Grid 4 M4 26.22 dBV/m	Grid 5 M4 29.42 dBV/m	Grid 6 M4 29.36 dBV/m
Grid 7 M4 29.26 dBV/m	Grid 8 M3 31.24 dBV/m	Grid 9 M3 30.91 dBV/m

Cursor:

Total = 31.24 dBV/m

E Category: M3

Location: -2.5, 25, 8.7 mm



0 dB = 36.48 V/m = 31.24 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: 2021.03.04;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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 = 18.93 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.01 dBV/m

Emission category: M3

MIF scaled E-field

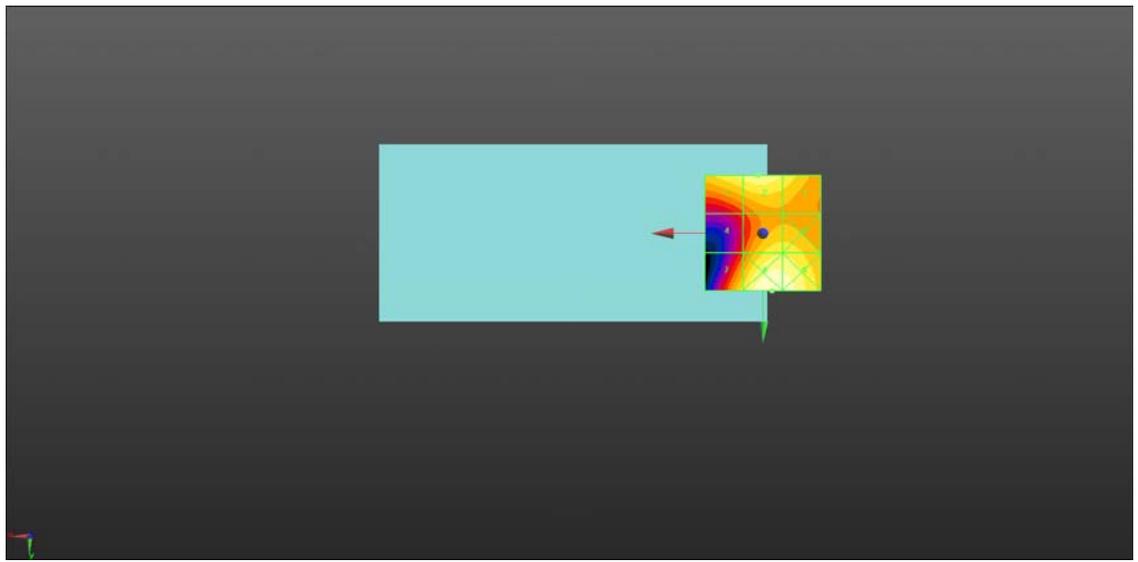
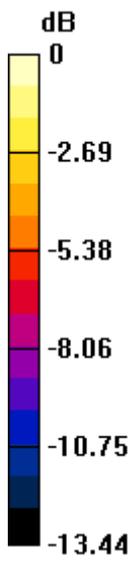
Grid 1 M4 29.62 dBV/m	Grid 2 M3 30.01 dBV/m	Grid 3 M4 29.28 dBV/m
Grid 4 M4 25.58 dBV/m	Grid 5 M4 29.12 dBV/m	Grid 6 M4 29.1 dBV/m
Grid 7 M4 28.82 dBV/m	Grid 8 M3 31.03 dBV/m	Grid 9 M3 30.8 dBV/m

Cursor:

Total = 31.03 dBV/m

E Category: M3

Location: -4, 25, 8.7 mm



0 dB = 35.62 V/m = 31.03 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: 2021.03.04;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2021.06.22
- 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 = 18.12 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.00 dBV/m

Emission category: M3

MIF scaled E-field

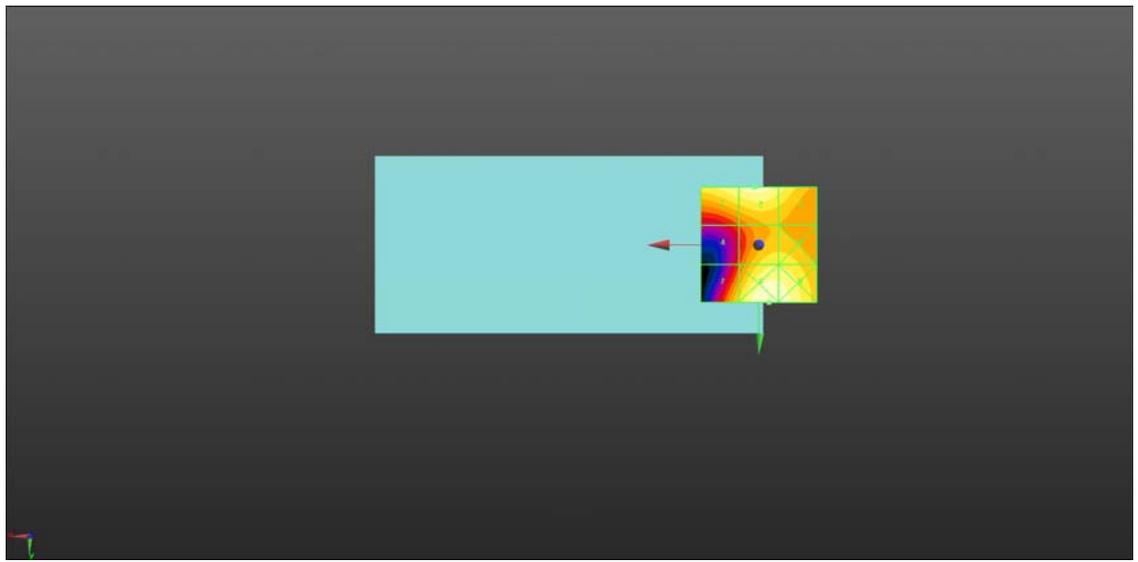
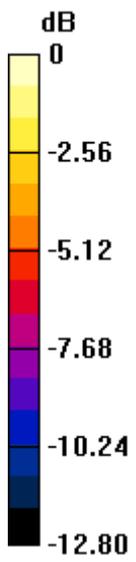
Grid 1 M4 29.59 dBV/m	Grid 2 M3 30 dBV/m	Grid 3 M4 29.12 dBV/m
Grid 4 M4 25.26 dBV/m	Grid 5 M4 28.59 dBV/m	Grid 6 M4 28.56 dBV/m
Grid 7 M4 28.05 dBV/m	Grid 8 M3 30.34 dBV/m	Grid 9 M3 30.16 dBV/m

Cursor:

Total = 30.34 dBV/m

E Category: M3

Location: -4.5, 25, 8.7 mm



0 dB = 32.87 V/m = 30.34 dBV/m