



REPORT No. : SZ19030027S01

Annex D Plots of RF Test Results



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HAC RF_GSM850_GSM Voice_Ch128_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ 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: 2018.10.29
- 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 = 4.038 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 15.94 dBV/m

Emission category: M4

MIF scaled E-field

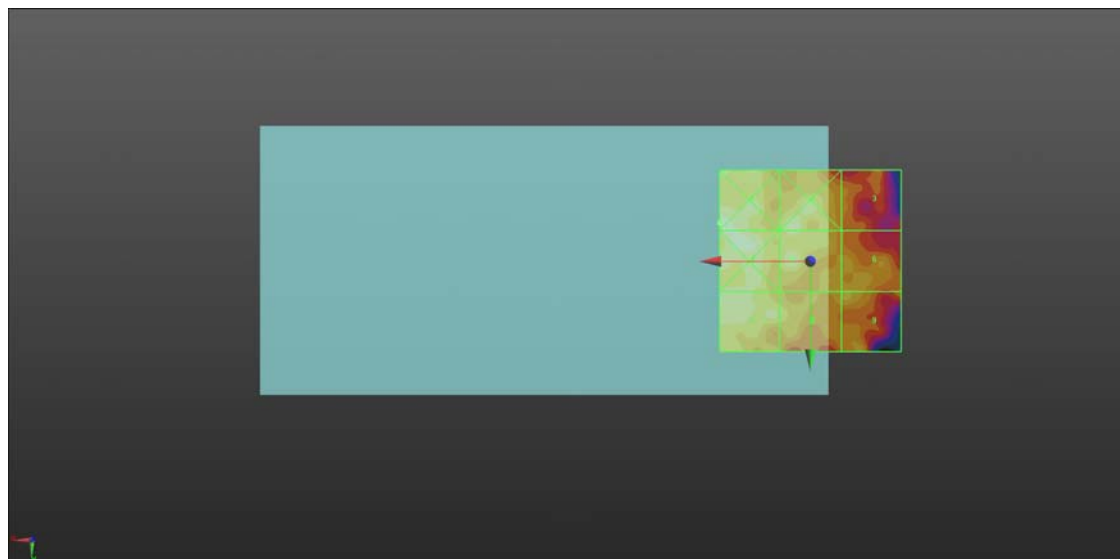
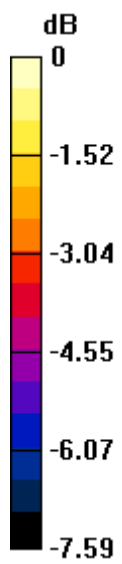
Grid 1 M4 16.37 dBV/m	Grid 2 M4 15.92 dBV/m	Grid 3 M4 14.12 dBV/m
Grid 4 M4 16.11 dBV/m	Grid 5 M4 15.94 dBV/m	Grid 6 M4 14.96 dBV/m
Grid 7 M4 15.89 dBV/m	Grid 8 M4 15.27 dBV/m	Grid 9 M4 15.05 dBV/m

Cursor:

Total = 16.37 dBV/m

E Category: M4

Location: 25, -10.5, 8.7 mm



0 dB = 6.581 V/m = 16.37 dBV/m

HAC RF_GSM850_GSM Voice_Ch190_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

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: 2018.10.29
- 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)

Ch190/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 = 3.540 V/m; Power Drift = 0.17 dB

Applied MIF = 3.63 dB

RF audio interference level = 14.61 dBV/m

Emission category: M4

MIF scaled E-field

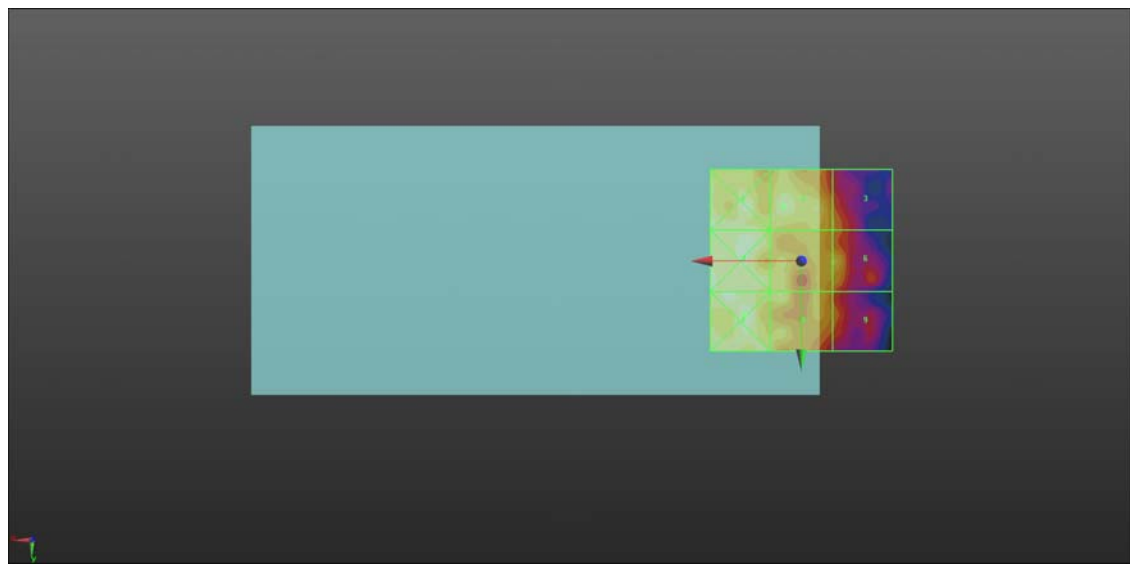
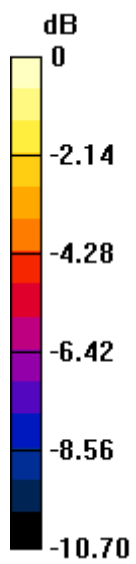
Grid 1 M4 15.19 dBV/m	Grid 2 M4 14.61 dBV/m	Grid 3 M4 11.98 dBV/m
Grid 4 M4 15.16 dBV/m	Grid 5 M4 13.74 dBV/m	Grid 6 M4 13.23 dBV/m
Grid 7 M4 15.2 dBV/m	Grid 8 M4 13.83 dBV/m	Grid 9 M4 11.54 dBV/m

Cursor:

Total = 15.20 dBV/m

E Category: M4

Location: 15.5, 15, 8.7 mm



0 dB = 5.755 V/m = 15.20 dBV/m

HAC RF_GSM850_GSM Voice_Ch251_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

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: 2018.10.29
- 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 = 3.861 V/m; Power Drift = 0.15 dB

Applied MIF = 3.63 dB

RF audio interference level = 15.35 dBV/m

Emission category: M4

MIF scaled E-field

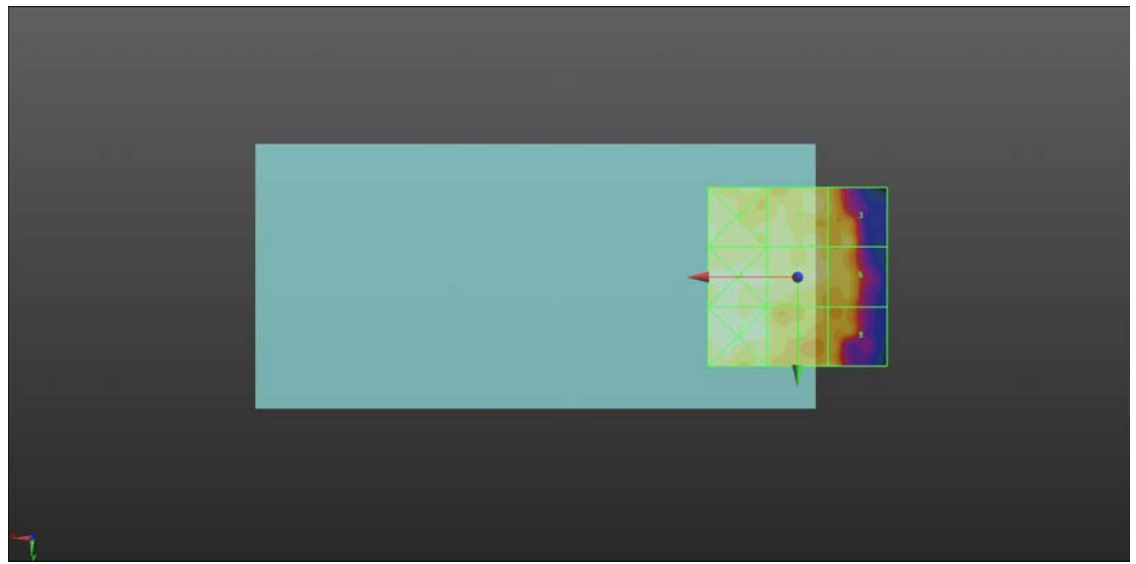
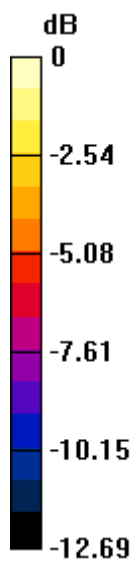
Grid 1 M4 15.38 dBV/m	Grid 2 M4 15.07 dBV/m	Grid 3 M4 14.39 dBV/m
Grid 4 M4 15.58 dBV/m	Grid 5 M4 15.35 dBV/m	Grid 6 M4 14.36 dBV/m
Grid 7 M4 15.98 dBV/m	Grid 8 M4 15.05 dBV/m	Grid 9 M4 14.56 dBV/m

Cursor:

Total = 15.98 dBV/m

E Category: M4

Location: 15, 14.5, 8.7 mm



0 dB = 6.298 V/m = 15.98 dBV/m

HAC RF_GSM1900_GSM Voice_Ch512_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

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: 2018.10.29
- 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 = 3.990 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 15.30 dBV/m

Emission category: M4

MIF scaled E-field

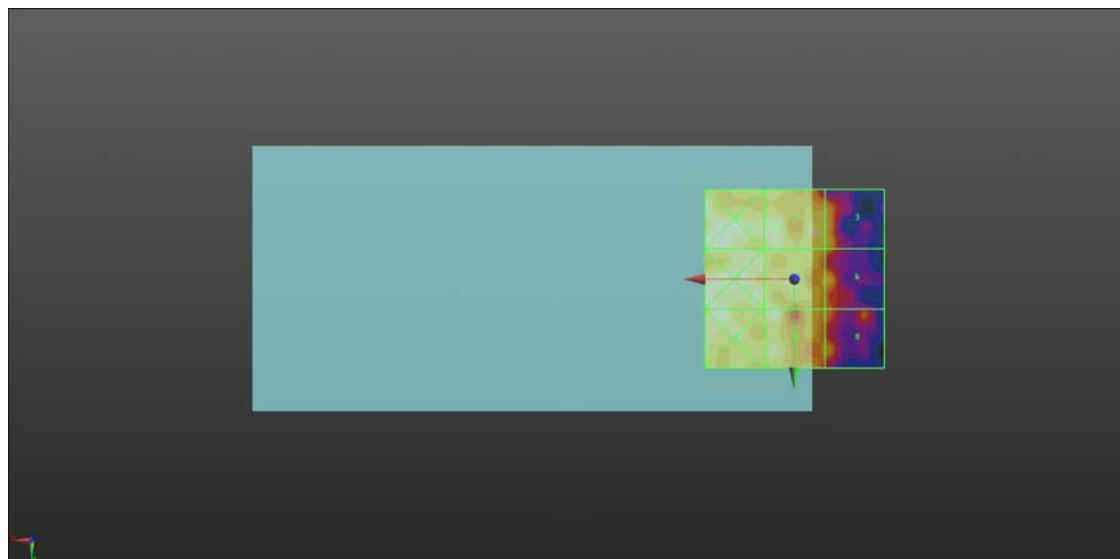
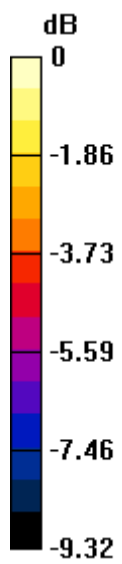
Grid 1 M4 15.46 dBV/m	Grid 2 M4 15.3 dBV/m	Grid 3 M4 13.92 dBV/m
Grid 4 M4 15.54 dBV/m	Grid 5 M4 14.81 dBV/m	Grid 6 M4 13.4 dBV/m
Grid 7 M4 15.37 dBV/m	Grid 8 M4 15.21 dBV/m	Grid 9 M4 12.87 dBV/m

Cursor:

Total = 15.54 dBV/m

E Category: M4

Location: 19.5, 0.5, 8.7 mm



0 dB = 5.984 V/m = 15.54 dBV/m

HAC RF_GSM1900_GSM Voice_Ch661_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

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: 2018.10.29
- 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 = 4.348 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 14.92 dBV/m

Emission category: M4

MIF scaled E-field

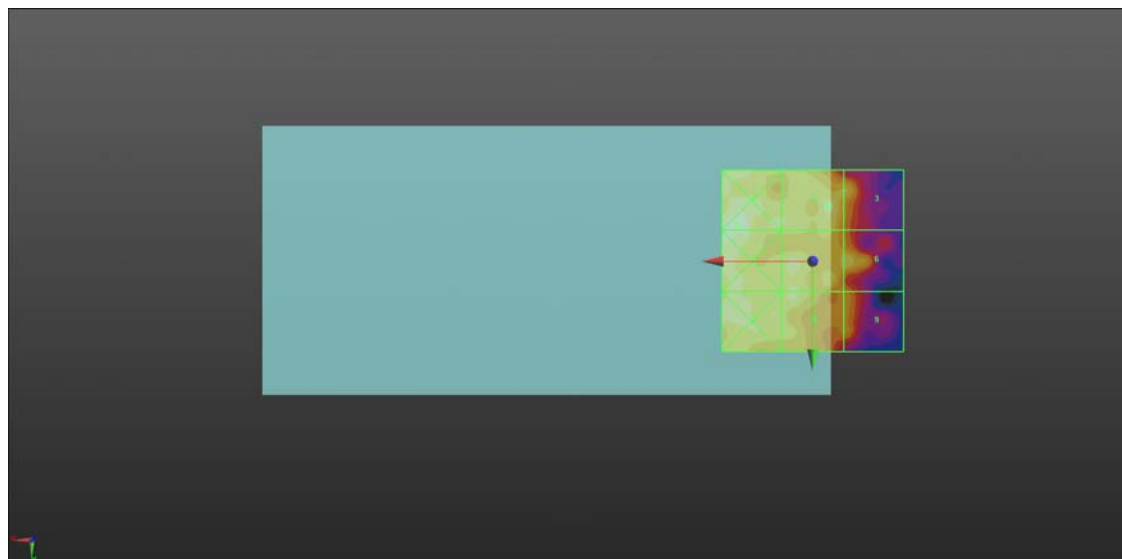
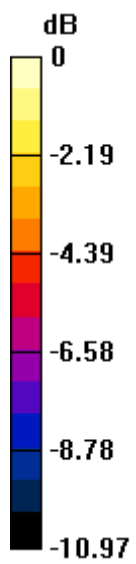
Grid 1 M4 16 dBV/m	Grid 2 M4 14.92 dBV/m	Grid 3 M4 14.05 dBV/m
Grid 4 M4 15.76 dBV/m	Grid 5 M4 14.86 dBV/m	Grid 6 M4 14.56 dBV/m
Grid 7 M4 15 dBV/m	Grid 8 M4 14.78 dBV/m	Grid 9 M4 12.85 dBV/m

Cursor:

Total = 16.00 dBV/m

E Category: M4

Location: 20.5, -10, 8.7 mm



0 dB = 6.311 V/m = 16.00 dBV/m

HAC RF_GSM1900_GSM Voice_Ch810_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

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: 2018.10.29
- 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 = 4.045 V/m; Power Drift = 0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 15.37 dBV/m

Emission category: M4

MIF scaled E-field

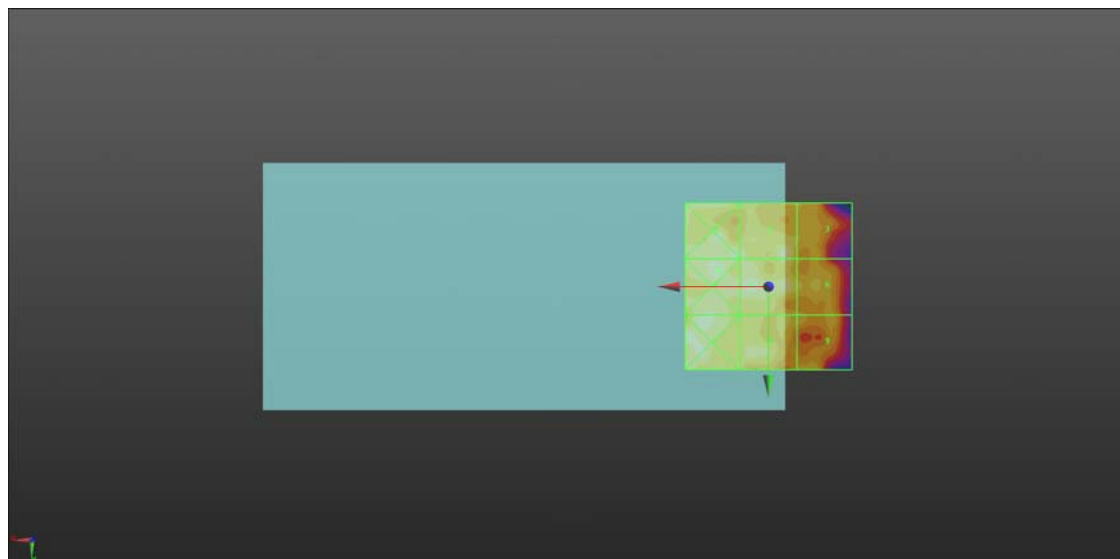
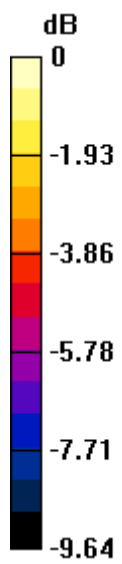
Grid 1 M4 15.23 dBV/m	Grid 2 M4 15.19 dBV/m	Grid 3 M4 13.92 dBV/m
Grid 4 M4 15.65 dBV/m	Grid 5 M4 15.37 dBV/m	Grid 6 M4 13.91 dBV/m
Grid 7 M4 15.36 dBV/m	Grid 8 M4 14.76 dBV/m	Grid 9 M4 13.69 dBV/m

Cursor:

Total = 15.65 dBV/m

E Category: M4

Location: 15, -5, 8.7 mm



0 dB = 6.059 V/m = 15.65 dBV/m