



REPORT No.: SZ23050338S02

Annex C Plots of System Performance Check

Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd.

Date: 2023.07.05

System Check_835MHz_HAC_RF_E

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1

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) @ 835 MHz; Calibrated: 2023.02.17;
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- 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)

Hearing Aid Compatibility Test (81x401x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Maximum value of Total (interpolated) = 120.64 V/m

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 58.41 V/m; Power Drift = -0.08 dB

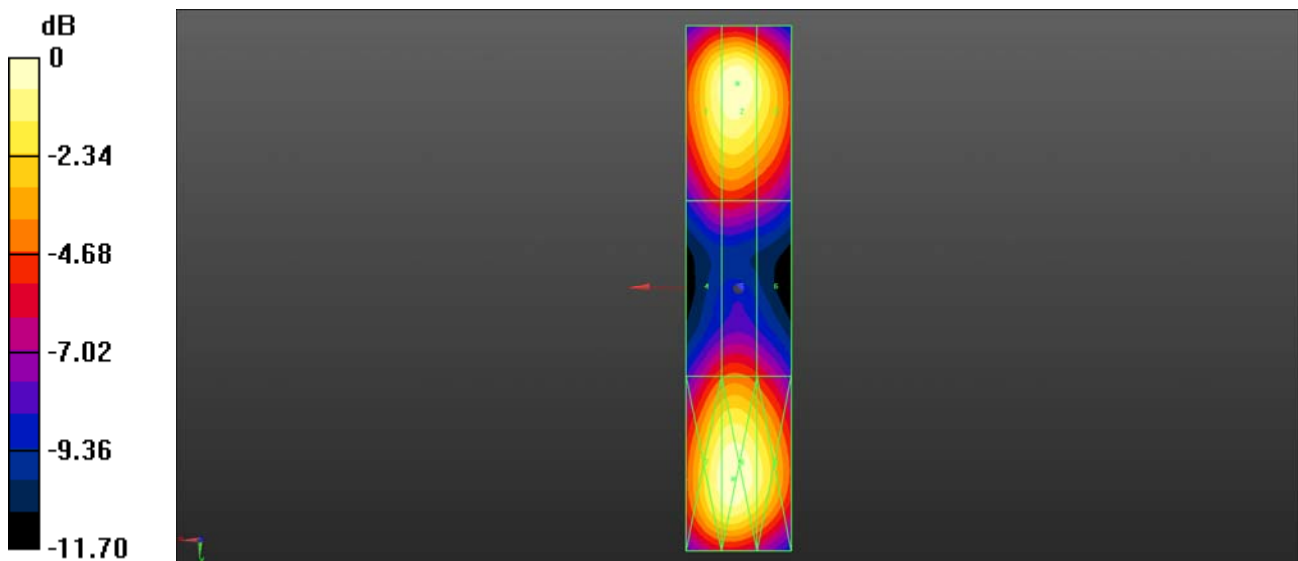
Applied MIF = 0.00 dB

RF audio interference level = 41.63 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 41.13 dBV/m	Grid 2 M3 41.61 dBV/m	Grid 3 M3 40.62 dBV/m
Grid 4 M4 36.93 dBV/m	Grid 5 M4 37.92 dBV/m	Grid 6 M4 36.48 dBV/m
Grid 7 M3 41.31 dBV/m	Grid 8 M3 41.63 dBV/m	Grid 9 M3 40.54 dBV/m



0 dB = 120.64 V/m = 41.63 dBV/m

System Check_1880MHz_HAC_RF_E

Communication System: UID 0, CW (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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: 2023.02.17;
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- 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)

Hearing Aid Compatibility Test (81x401x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Maximum value of Total (interpolated) = 82.13 V/m

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 87.34 V/m; Power Drift = 0.11 dB

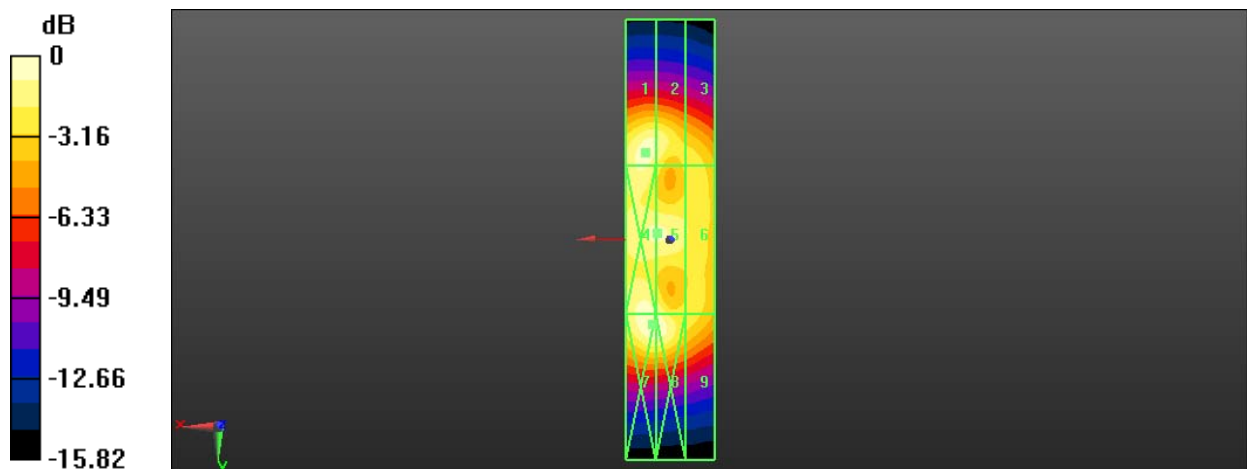
Applied MIF = 0.00 dB

RF audio interference level = 38.29 dBV/m

Emission category: M2

MIF scaled E-field

Grid 1 M2 37.75 dBV/m	Grid 2 M2 37.49 dBV/m	Grid 3 M2 35.68 dBV/m
Grid 4 M2 37.95 dBV/m	Grid 5 M2 37.53 dBV/m	Grid 6 M2 36.39 dBV/m
Grid 7 M2 38.29 dBV/m	Grid 8 M2 38.24 dBV/m	Grid 9 M2 35.62 dBV/m



0 dB = 82.13 V/m = 38.29 dBV/m

System Check_2450MHz_HAC_RF_E

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C;

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2023.02.17;
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.02.22
- 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)

Hearing Aid Compatibility Test (81x321x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Maximum value of Total (interpolated) = 97.05 V/m

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 81.76 V/m; Power Drift = -0.13 dB

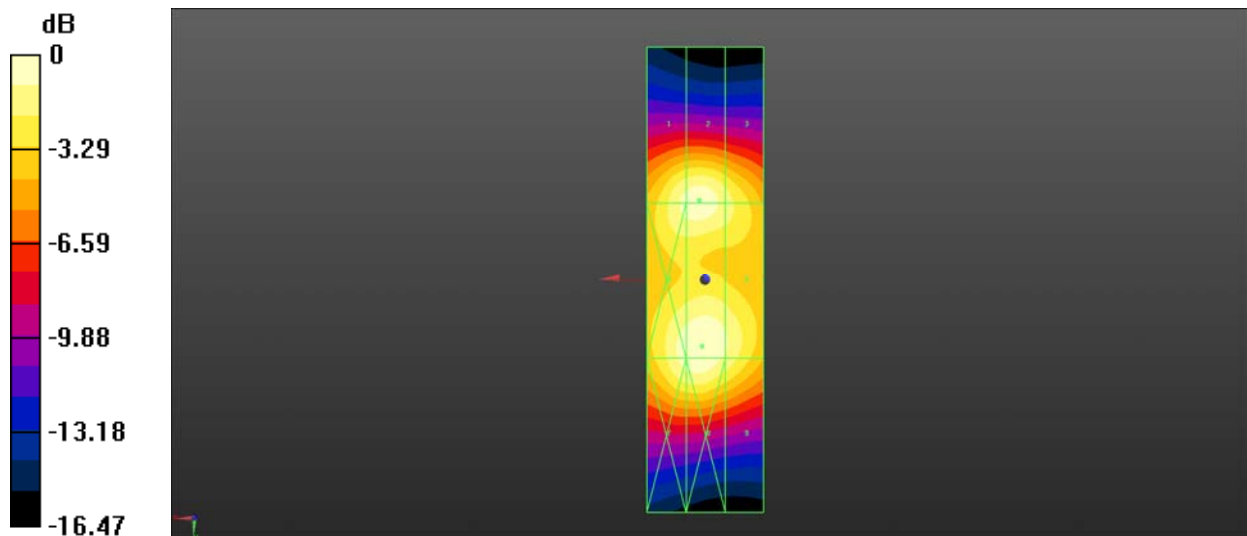
Applied MIF = 0.00 dB

RF audio interference level = 39.74 dBV/m

Emission category: M2

MIF scaled E-field

Grid 1 M2 38.93 dBV/m	Grid 2 M2 39.32 dBV/m	Grid 3 M2 38.12 dBV/m
Grid 4 M2 39.26 dBV/m	Grid 5 M2 39.74 dBV/m	Grid 6 M2 38.75 dBV/m
Grid 7 M2 39.15 dBV/m	Grid 8 M2 39.56 dBV/m	Grid 9 M2 38.39 dBV/m



0 dB = 97.05 V/m = 39.74 dBV/m