



REPORT No.: SZ23050338S02

Annex D Plots of RF Emission Test Results

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

Date: 2023.07.05

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

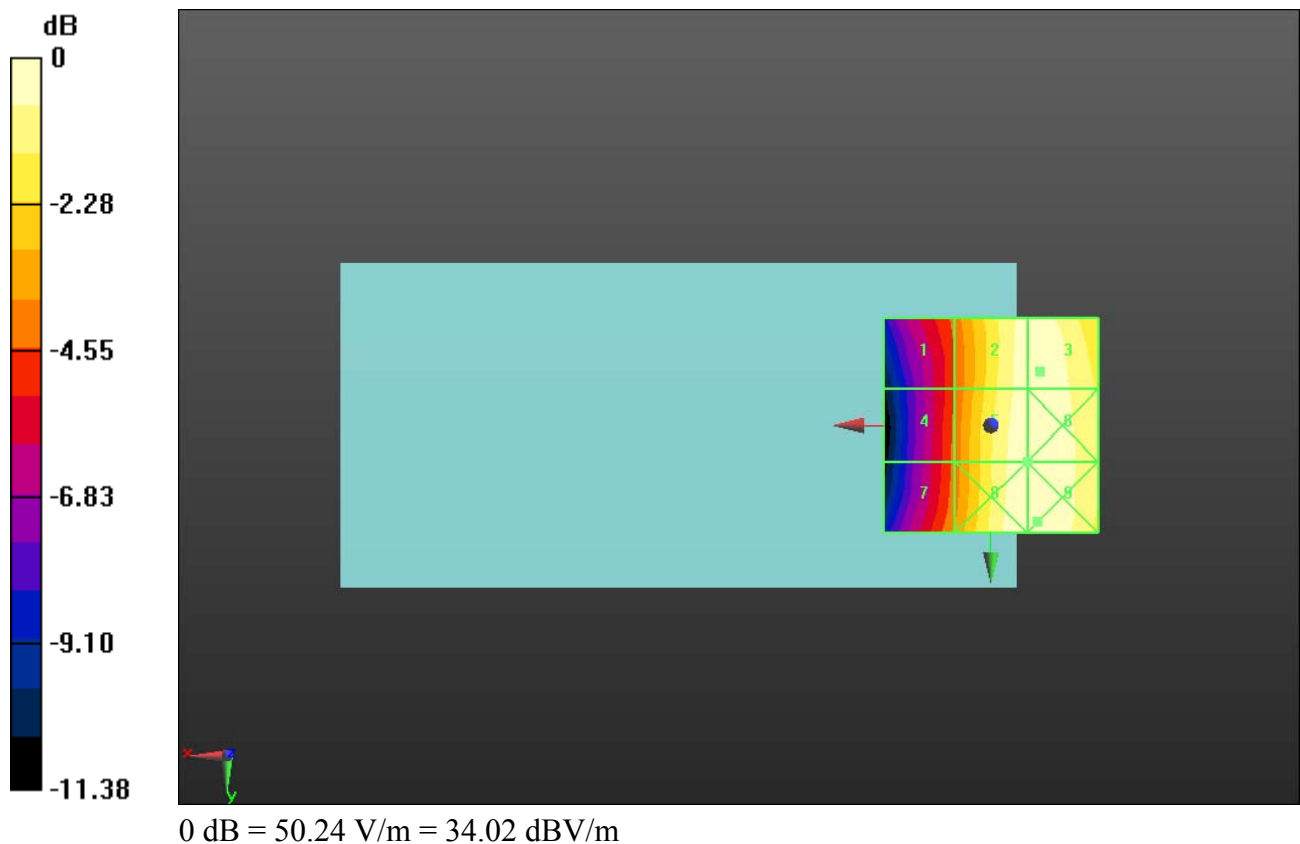
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 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)

Ch128/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Total = 34.02 dBV/m
E Category: M4
Location: -11, 22.5, 8.7 mm
Maximum value of Total (interpolated) = 50.24 V/m



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

Date: 2023.07.05

HAC RF_GSM850_GSM Voice_Ch189_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: 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)

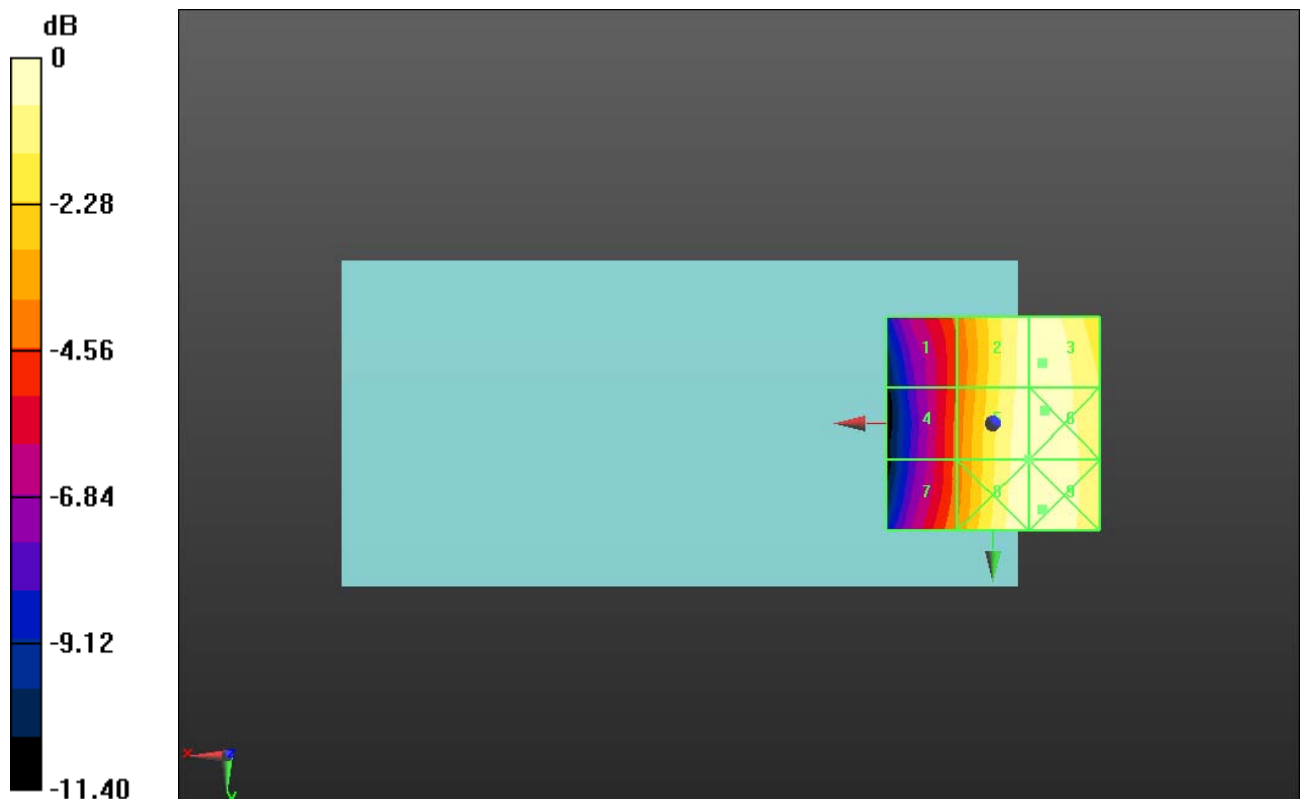
Ch189/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 33.36 dBV/m

E Category: M4

Location: -11.5, 20, 8.7 mm

Maximum value of Total (interpolated) = 46.55 V/m


$$0 \text{ dB} = 46.55 \text{ V/m} = 33.36 \text{ dBV/m}$$

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

Date: 2023.07.05

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: 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)

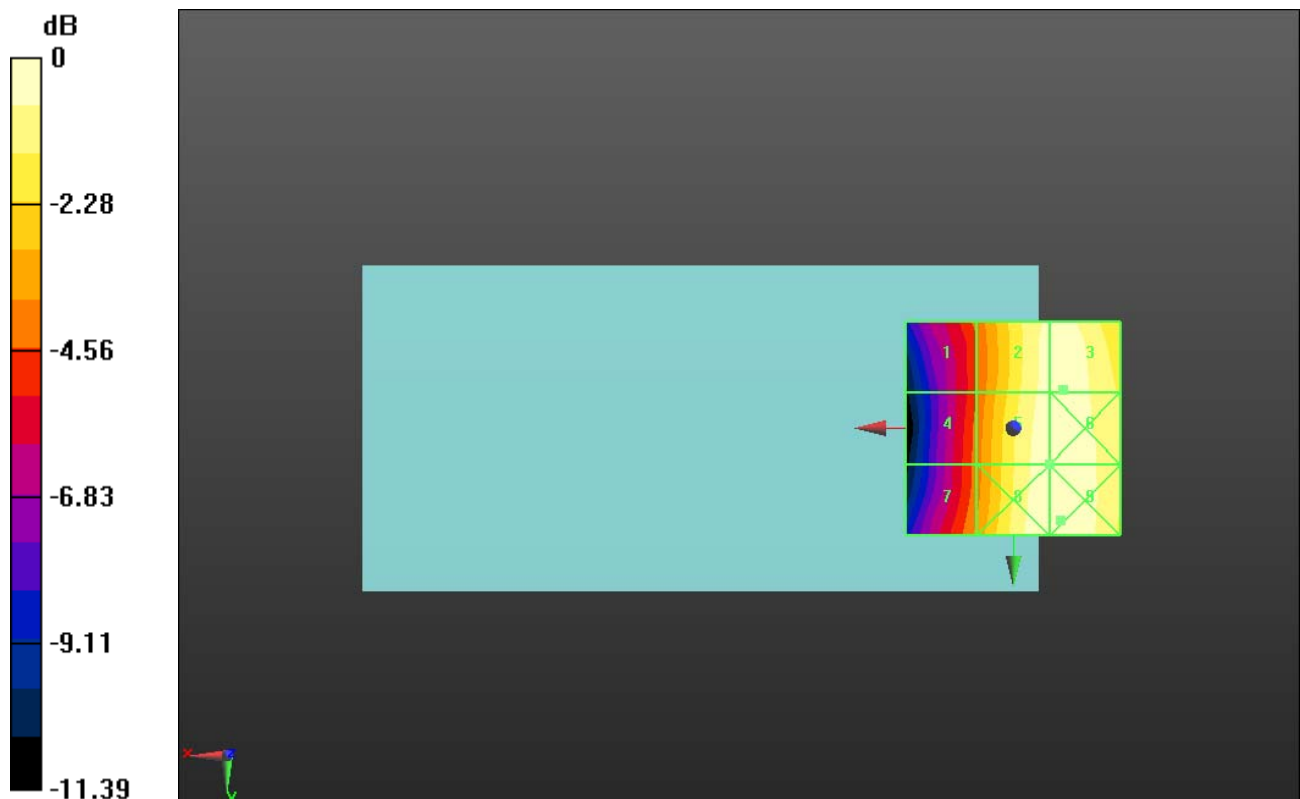
Ch251/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 32.61 dBV/m

E Category: M4

Location: -11, 21.5, 8.7 mm

Maximum value of Total (interpolated) = 42.70 V/m



0 dB = 42.70 V/m = 32.61 dBV/m

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

Date: 2023.07.05

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: 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)

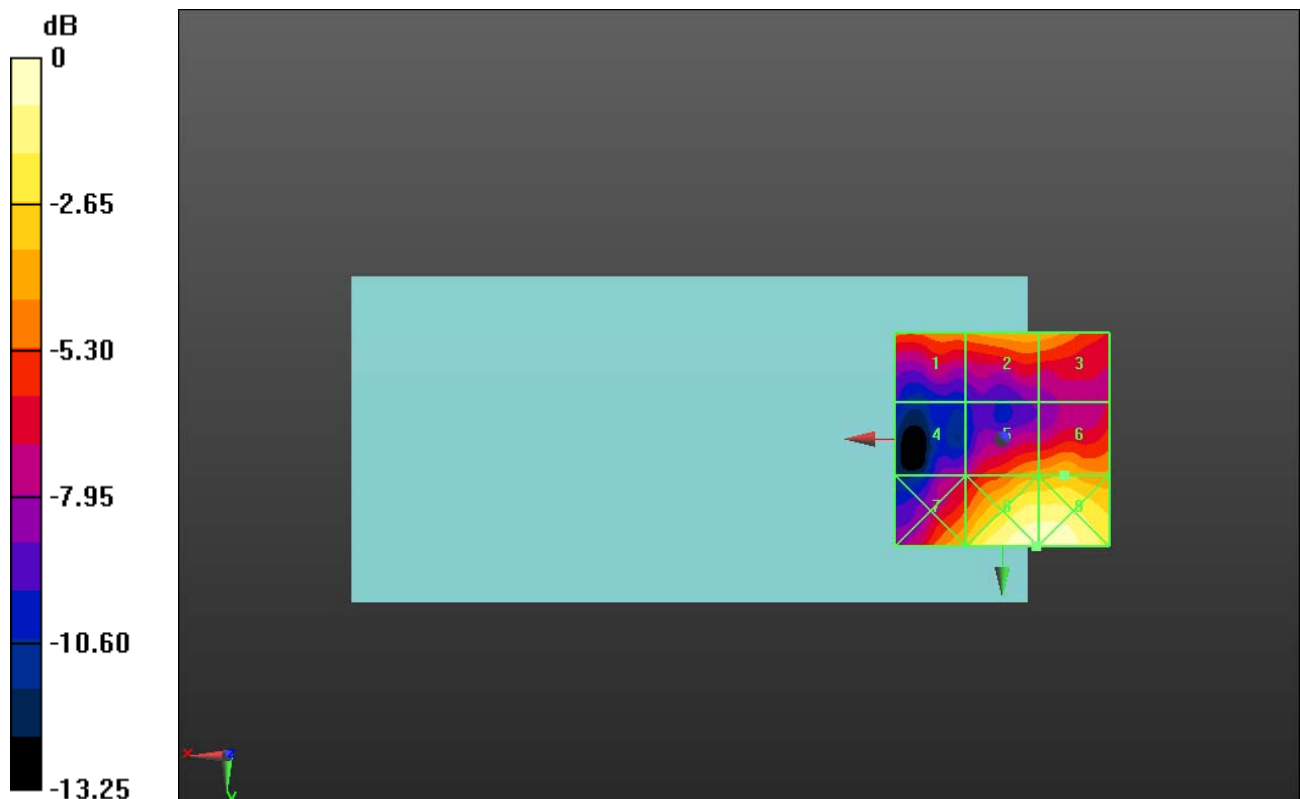
Ch512/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 27.80 dBV/m

E Category: M4

Location: -8, 25, 8.7 mm

Maximum value of Total (interpolated) = 24.55 V/m



0 dB = 24.55 V/m = 27.80 dBV/m

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

Date: 2023.07.05

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: 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)

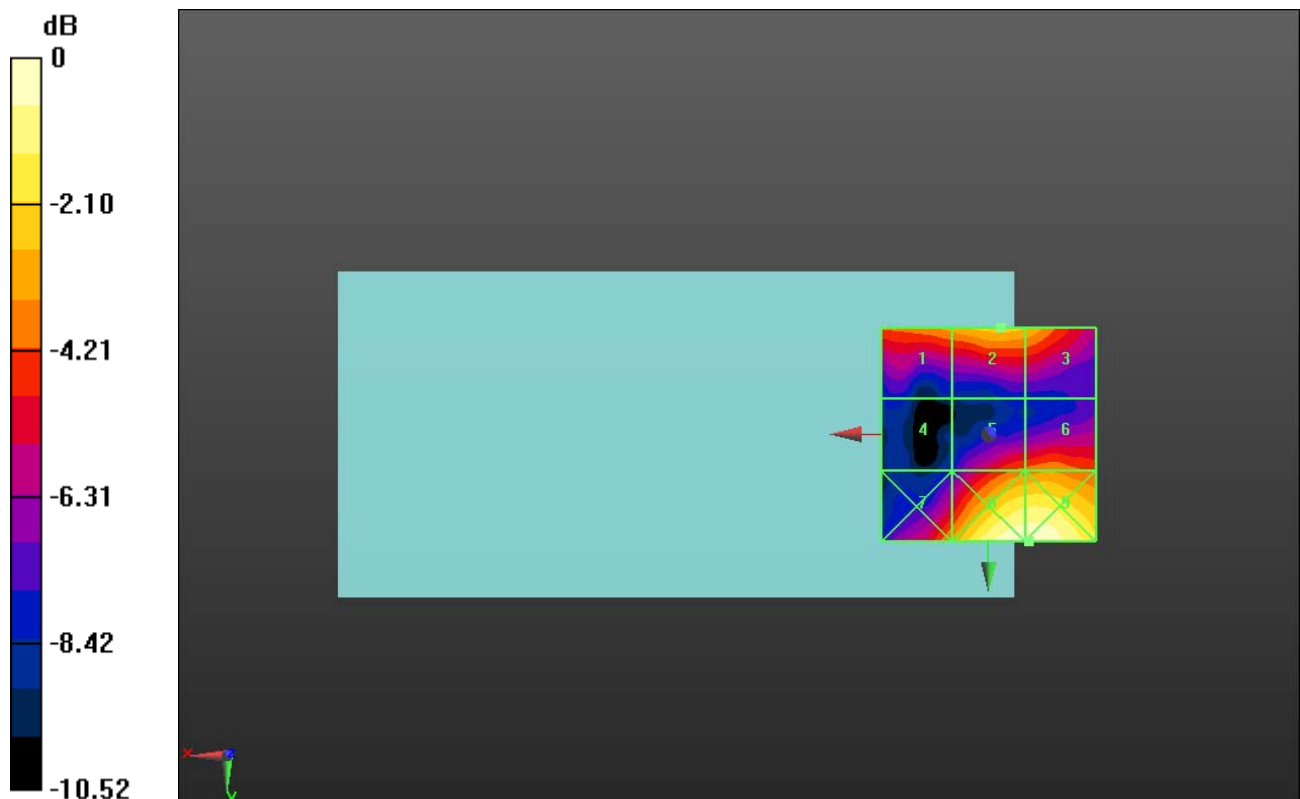
Ch661/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 27.74 dBV/m

E Category: M4

Location: -9.5, 25, 8.7 mm

Maximum value of Total (interpolated) = 24.38 V/m



0 dB = 24.38 V/m = 27.74 dBV/m

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

Date: 2023.07.05

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: 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)

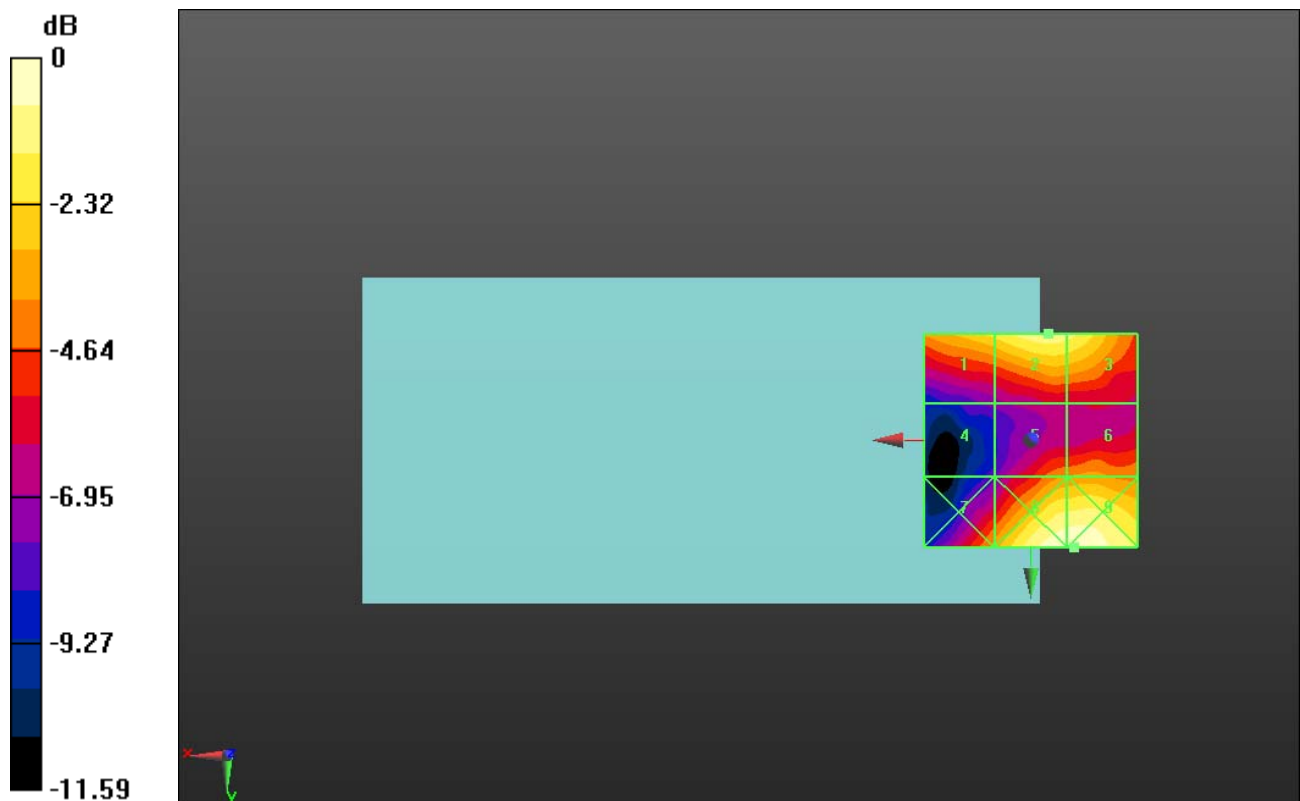
Ch810/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 27.64 dBV/m

E Category: M4

Location: -10, 25, 8.7 mm

Maximum value of Total (interpolated) = 24.09 V/m



0 dB = 24.09 V/m = 27.64 dBV/m

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

Date: 2023.07.25

HAC_RF_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 12.2Kbps_Ch1

Communication System: UID 10013 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps);
Frequency: 2412 MHz; Duty Cycle: 1:8.8308

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)

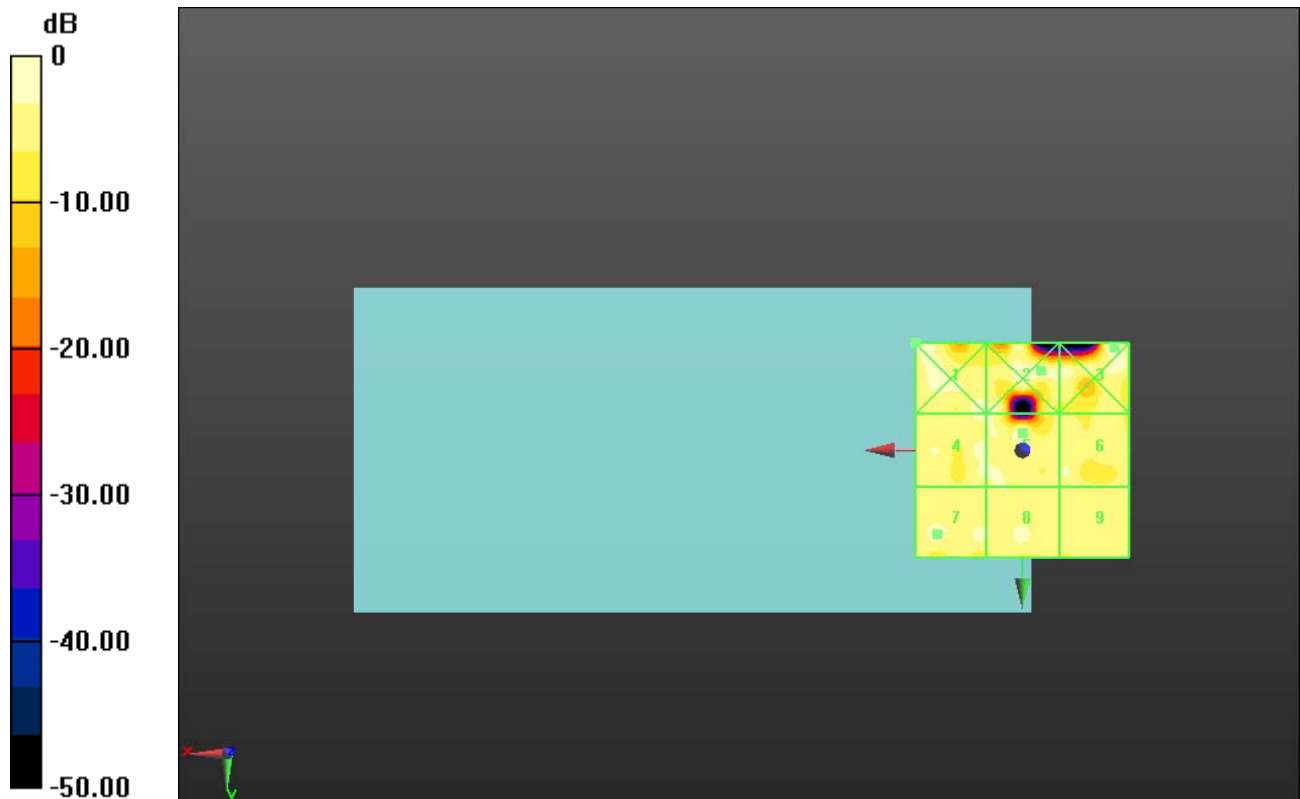
Ch1/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 10.16 dBV/m

E Category: M4

Location: -21.5, -24, 8.7 mm

Maximum value of Total (interpolated) = 3.221 V/m



0 dB = 3.221 V/m = 10.16 dBV/m

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

Date: 2023.07.25

HAC_RF_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 12.2Kbps_Ch7

Communication System: UID 10013 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps);
Frequency: 2442 MHz; Duty Cycle: 1:8.8308

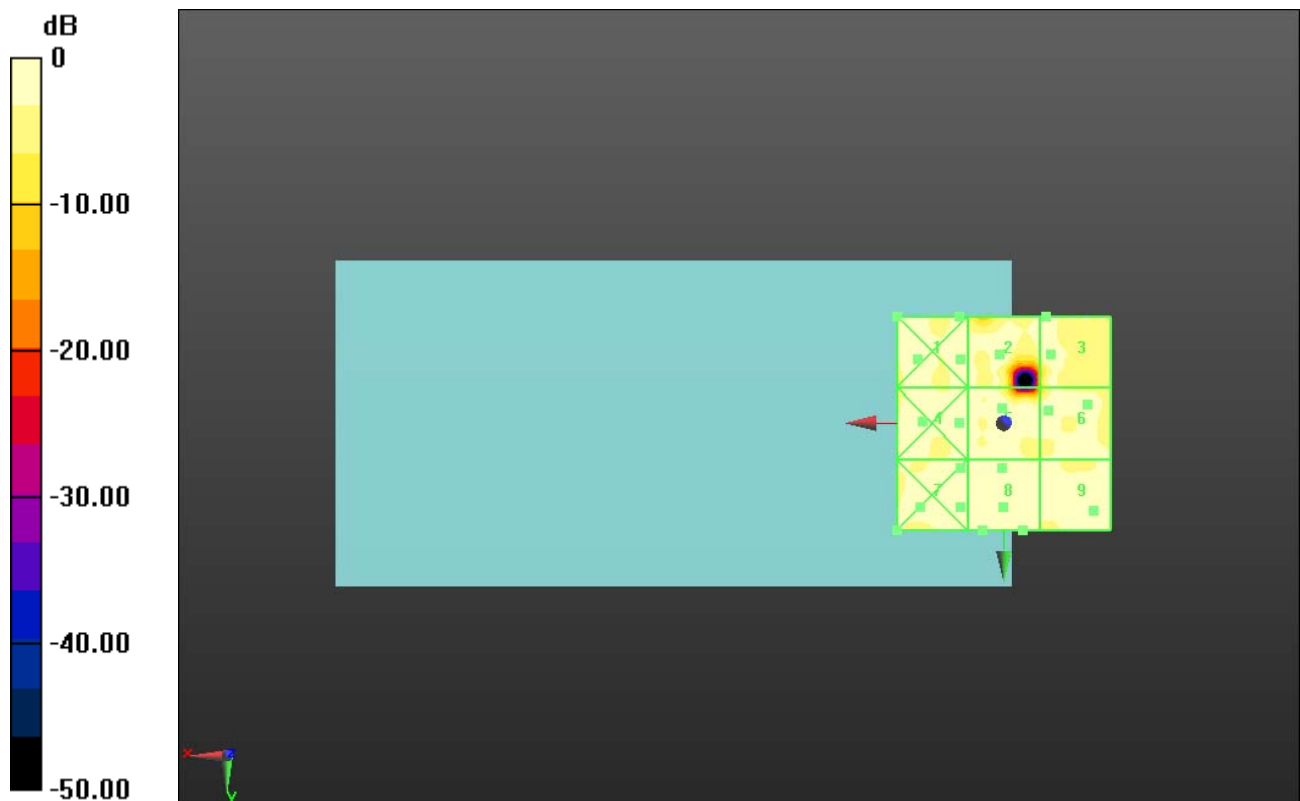
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

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)

Ch7/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Total = 9.68 dBV/m
E Category: M4
Location: 25, -25, 8.7 mm
Maximum value of Total (interpolated) = 3.048 V/m



0 dB = 3.048 V/m = 9.68 dBV/m

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

Date: 2023.07.25

HAC_RF_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 12.2Kbps_Ch13

Communication System: UID 10013 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps);
Frequency: 2472 MHz; Duty Cycle: 1:8.8308

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)

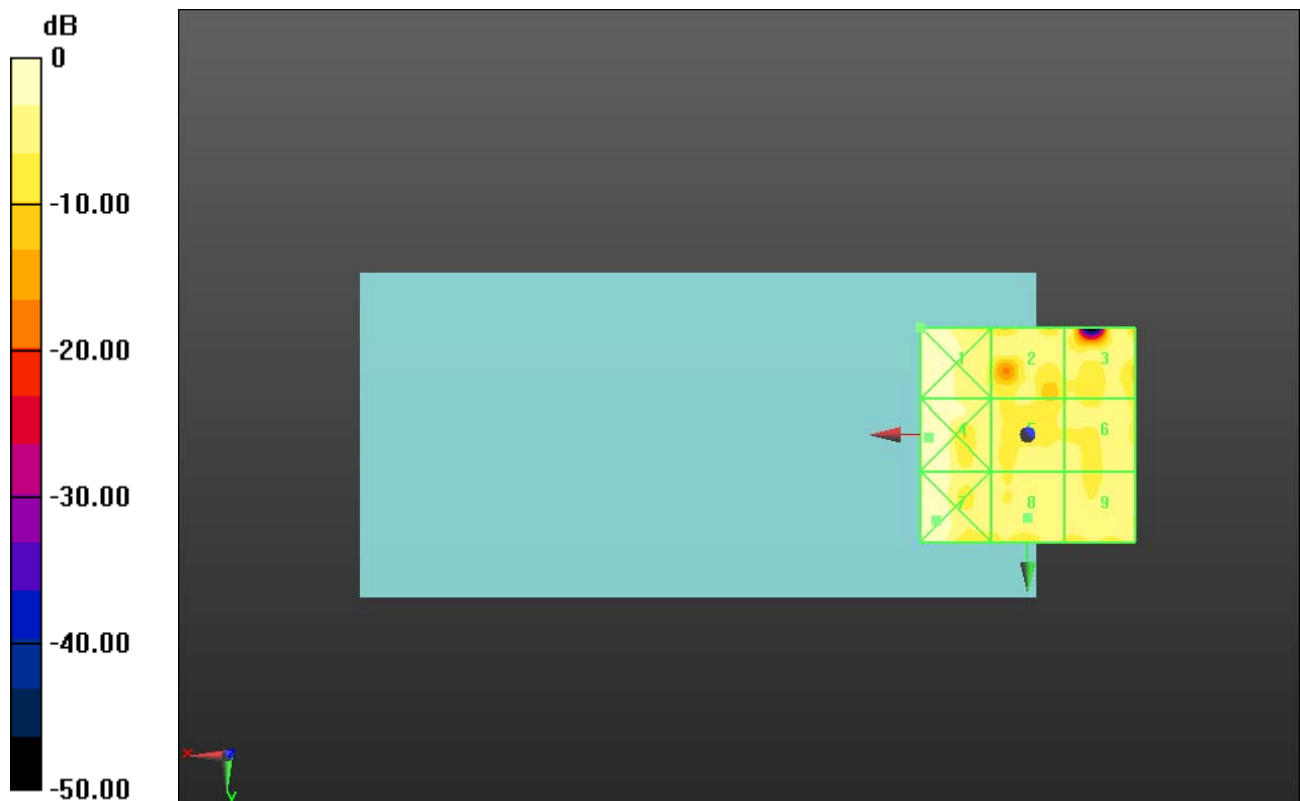
Ch13/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 10.16 dBV/m

E Category: M4

Location: 23, 0.5, 8.7 mm

Maximum value of Total (interpolated) = 3.221 V/m



0 dB = 3.221 V/m = 10.16 dBV/m