



REPORT No.: SZ23080047S02

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: 1:8.6896

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

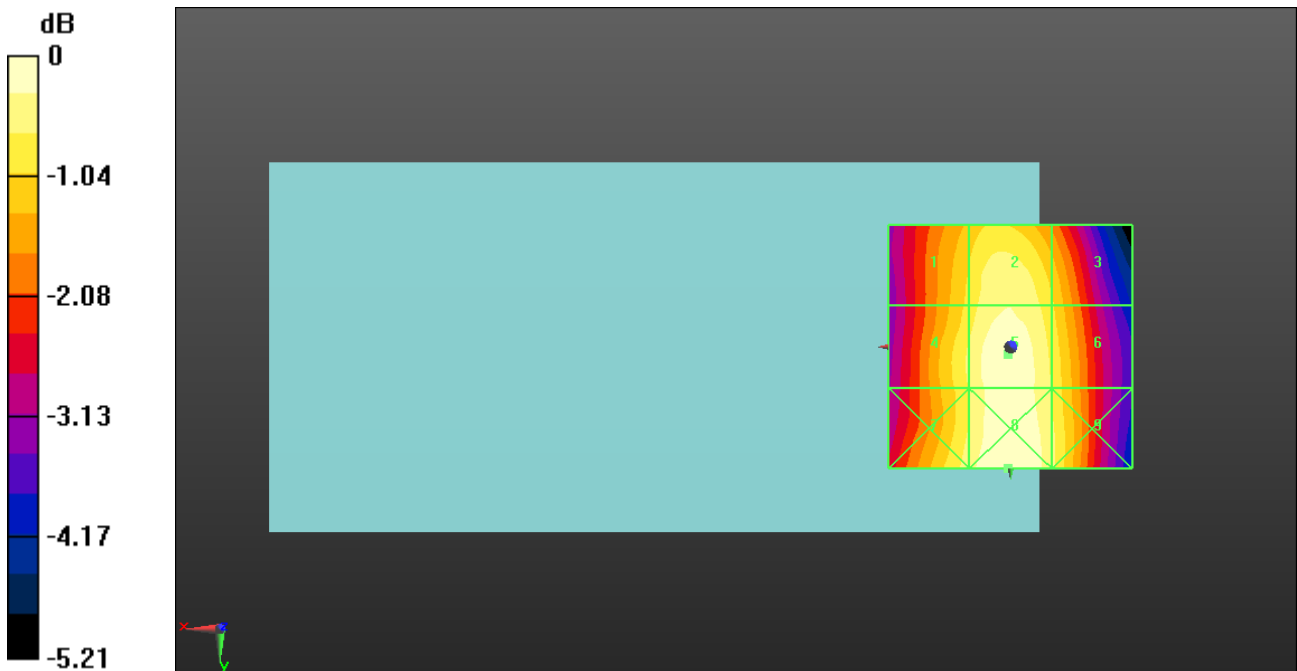
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.2.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch128/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 37.79 dBV/m

E Category: M4

Location: 0.5, 25, 8.7 mm



0 dB = 77.54 V/m = 37.79 dBV/m

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

Date: 2023.10.19

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) @ 836.4 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.2.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

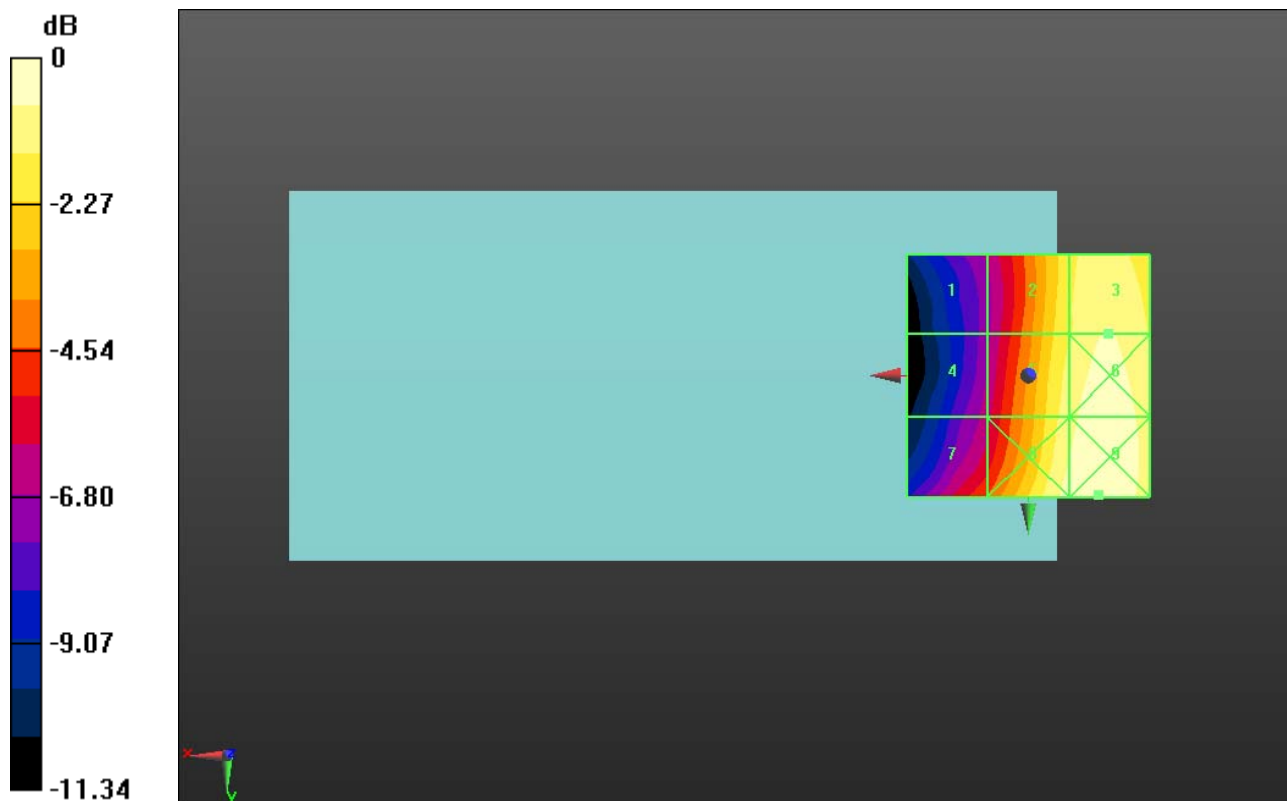
Ch189/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 32.97 dBV/m

E Category: M4

Location: -14.5, 24.5, 8.7 mm

Maximum value of Total (interpolated) = 44.53 V/m



0 dB = 44.53 V/m = 32.97 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:

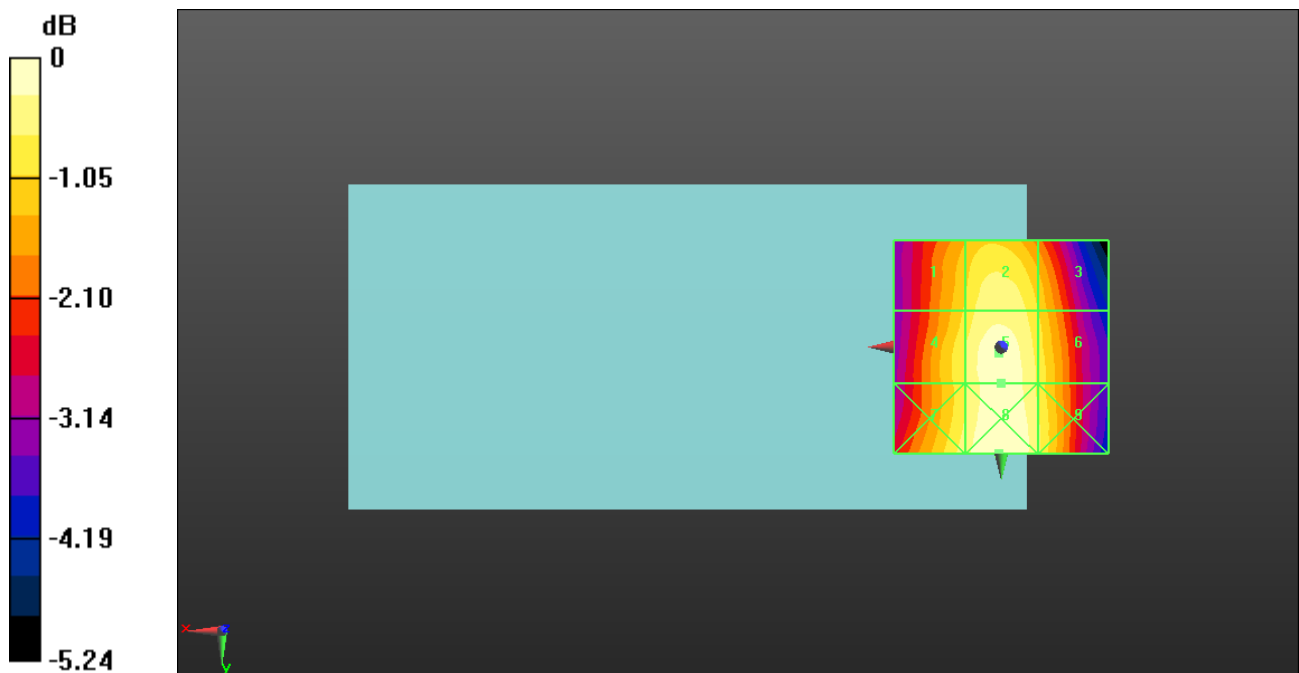
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1643; Calibrated: 2023.2.22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Total = 39.22 dBV/m

E Category: M4

Location: 0.5, 25, 8.7 mm



0 dB = 91.37 V/m = 39.22 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:

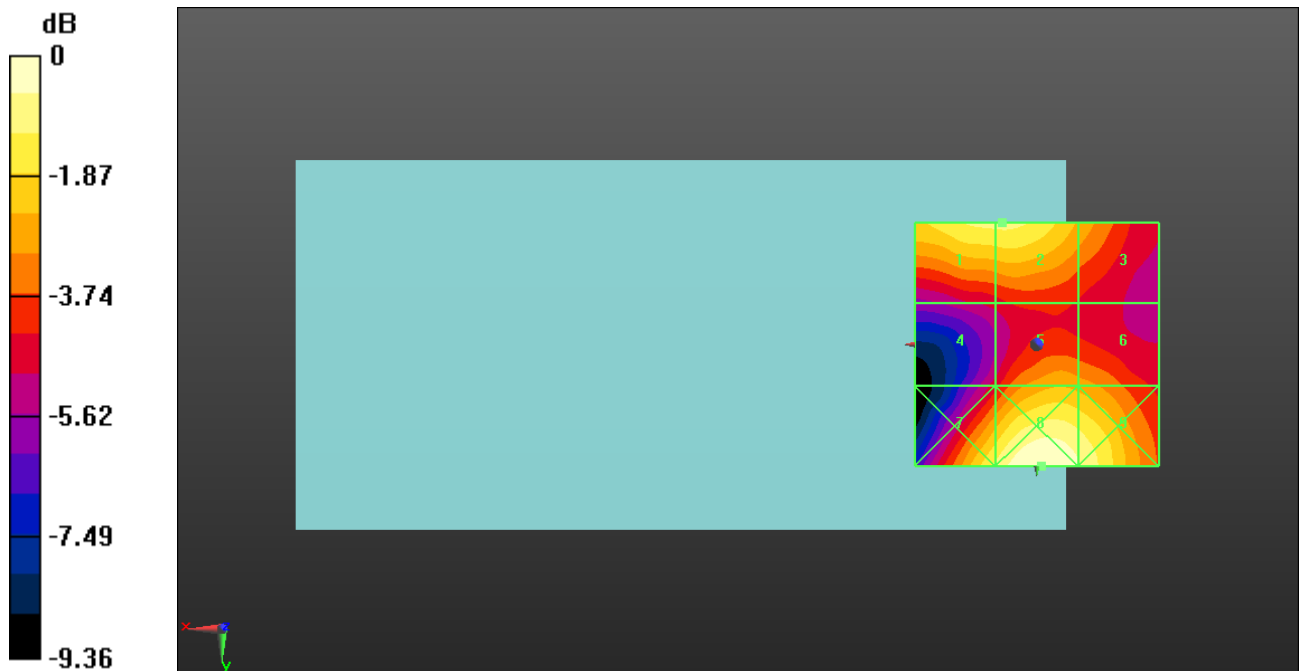
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Total = 30.89 dBV/m

E Category: M3

Location: -1, 25, 8.7 mm



0 dB = 35.05 V/m = 30.89 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:

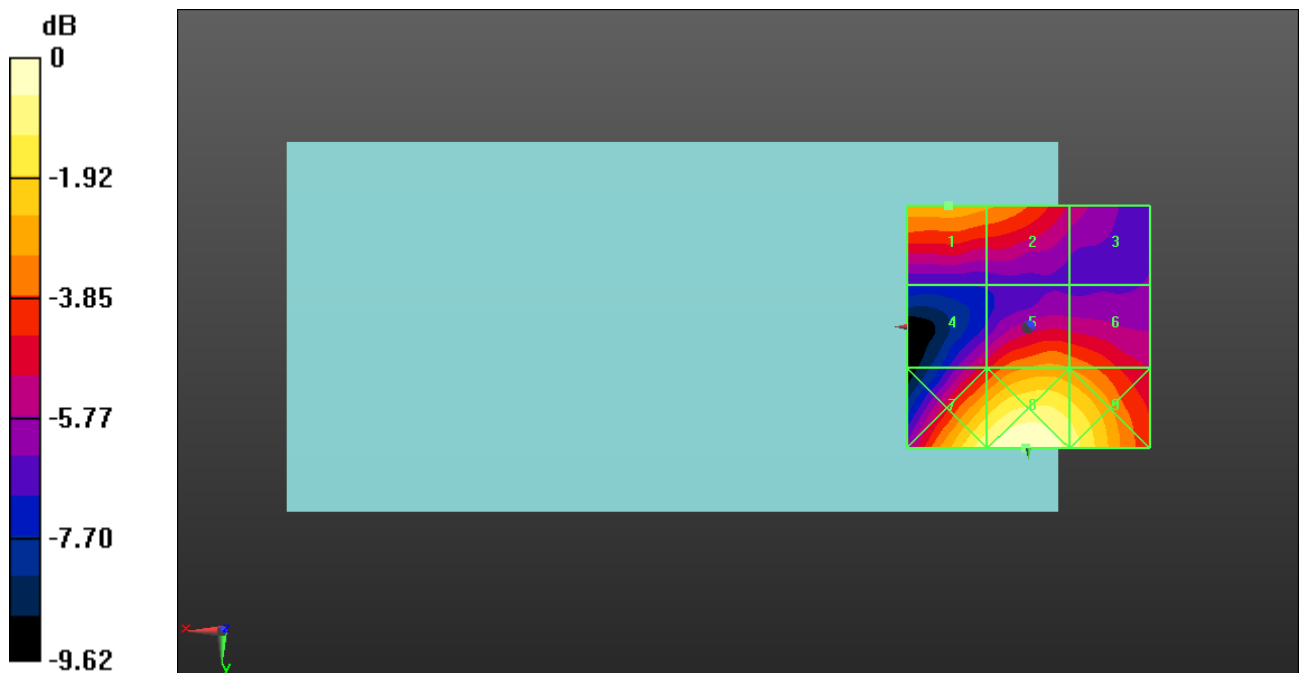
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Total = 31.72 dBV/m

E Category: M3

Location: 0.5, 25, 8.7 mm



0 dB = 38.55 V/m = 31.72 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:

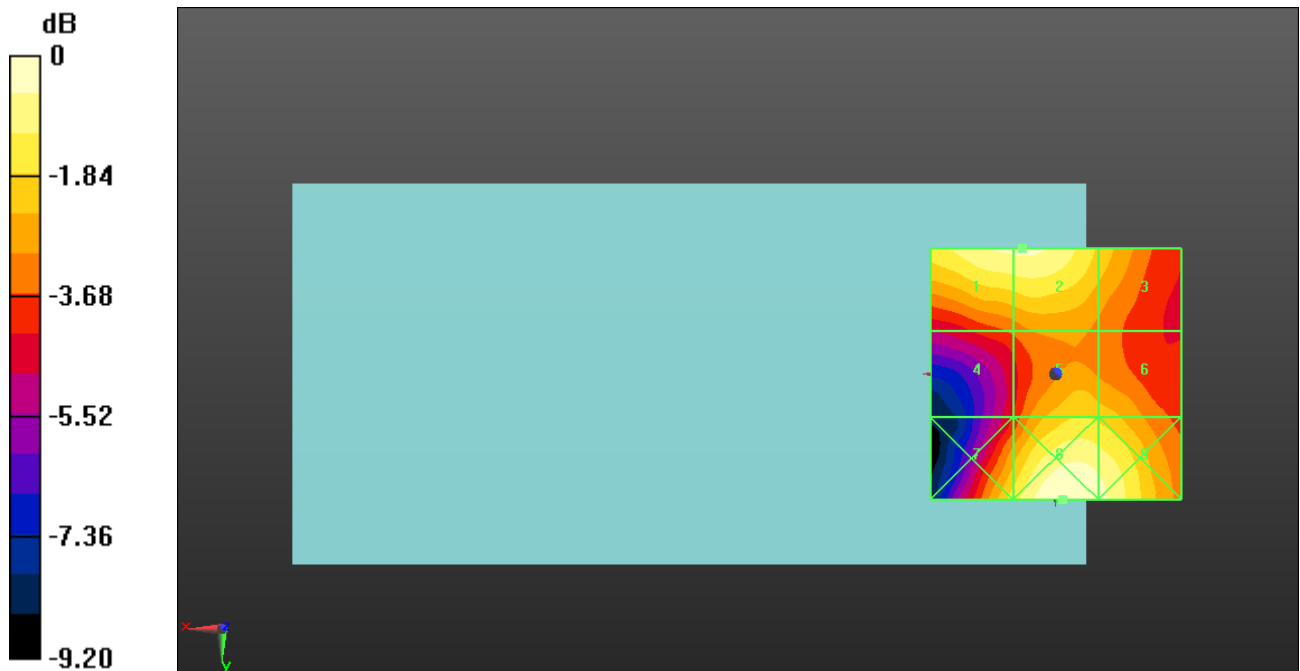
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Total = 30.65 dBV/m

E Category: M3

Location: -1.5, 25, 8.7 mm



0 dB = 34.09 V/m = 30.65 dBV/m

HAC RF_LTE Band 41_20MHz_QPSK_1RB_0Offset_12.2Kbps_Ch39750_E

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2506 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

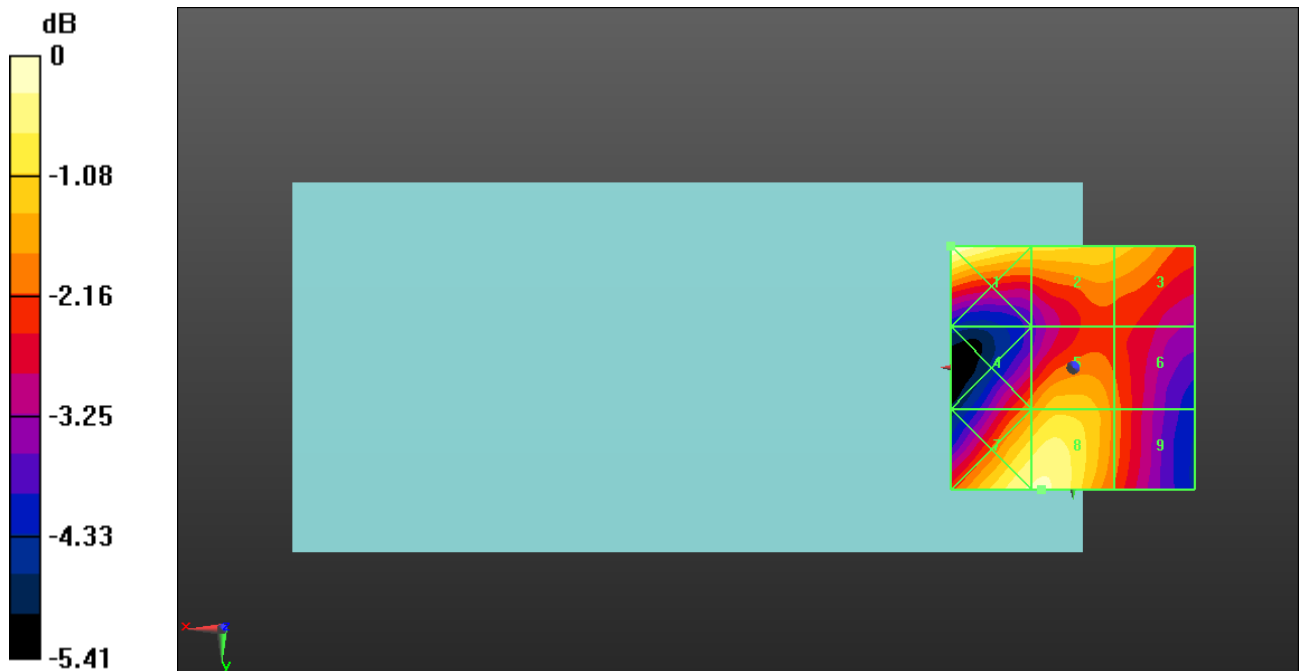
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch39750/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 25.88 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 19.67 V/m = 25.88 dBV/m

HAC RF_LTE Band 41_20MHz_QPSK_1RB_0Offset_12.2Kbps_Ch40185_E

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

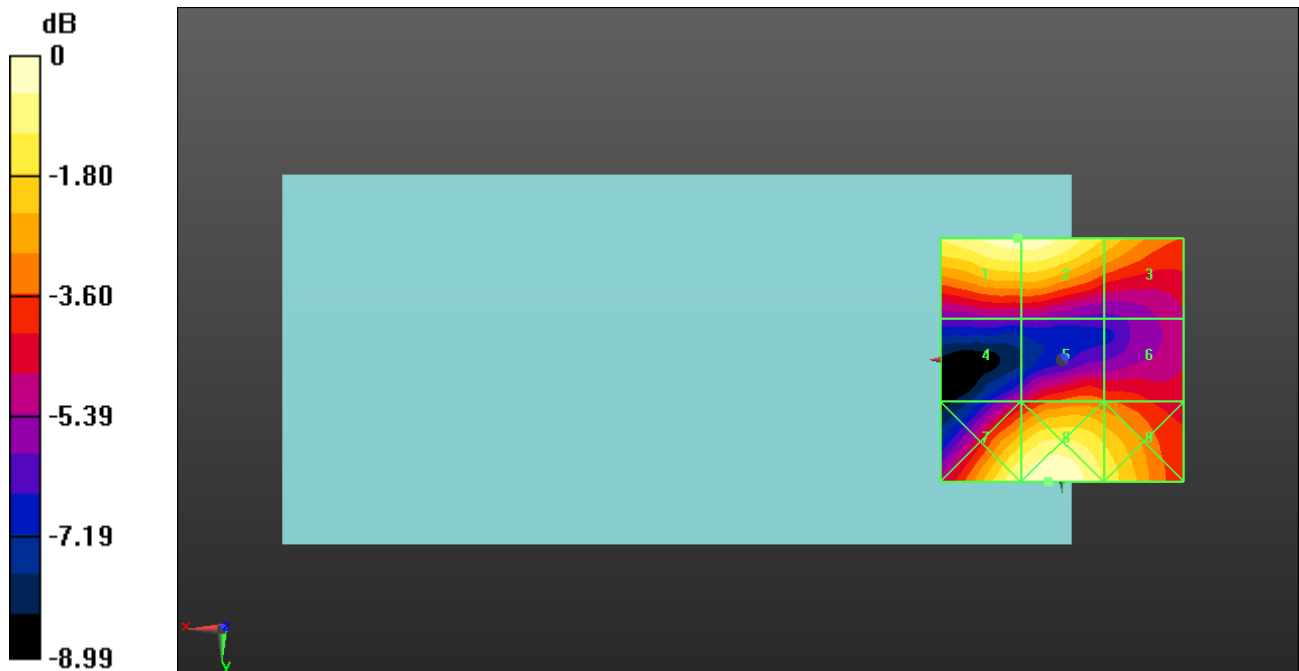
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch40185/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 25.07 dBV/m

E Category: M4

Location: 3, 25, 8.7 mm



0 dB = 17.93 V/m = 25.07 dBV/m

HAC RF_LTE Band 41_20MHz_QPSK_1RB_0Offset_12.2Kbps_Ch40620_E

Communication System: UID 10103 - CAB, LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK);

Frequency: 2593 MHz; Duty Cycle: 1:8.4918

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

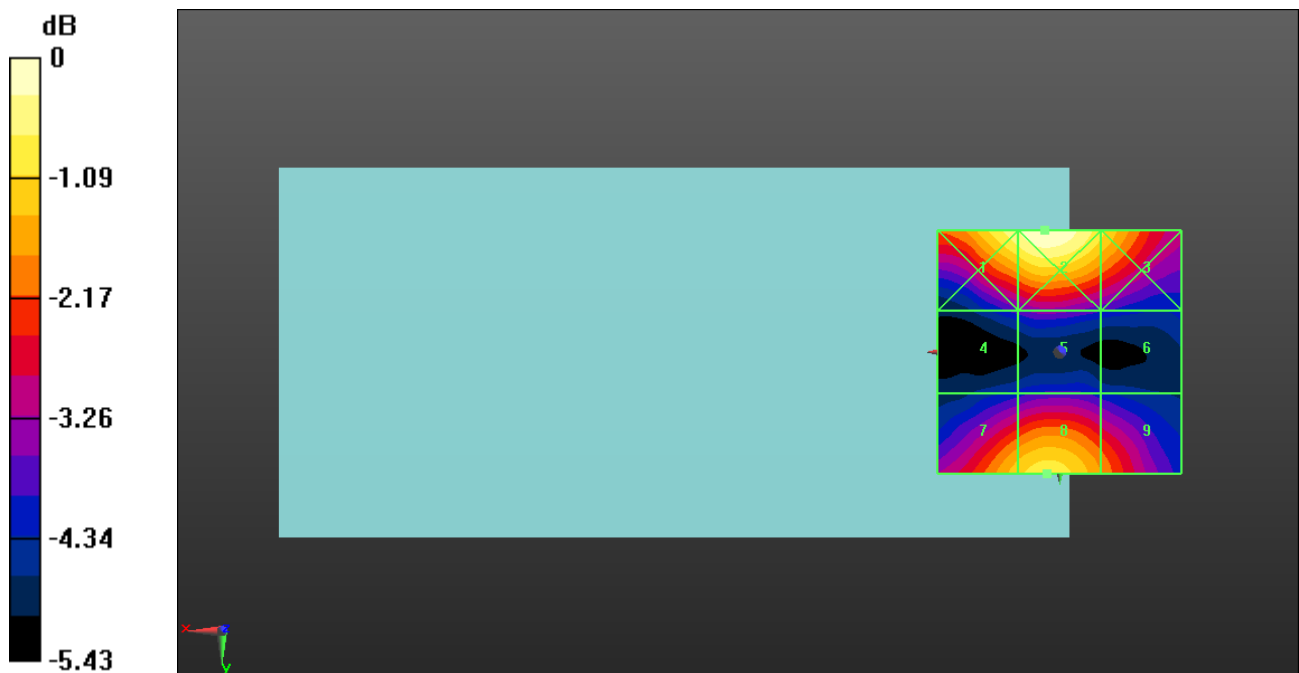
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch40620/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 25.69 dBV/m

E Category: M4

Location: 3, -25, 8.7 mm



0 dB = 19.25 V/m = 25.69 dBV/m

HAC RF_LTE Band 41_20MHz_QPSK_1RB_0Offset_12.2Kbps_Ch41055_E

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

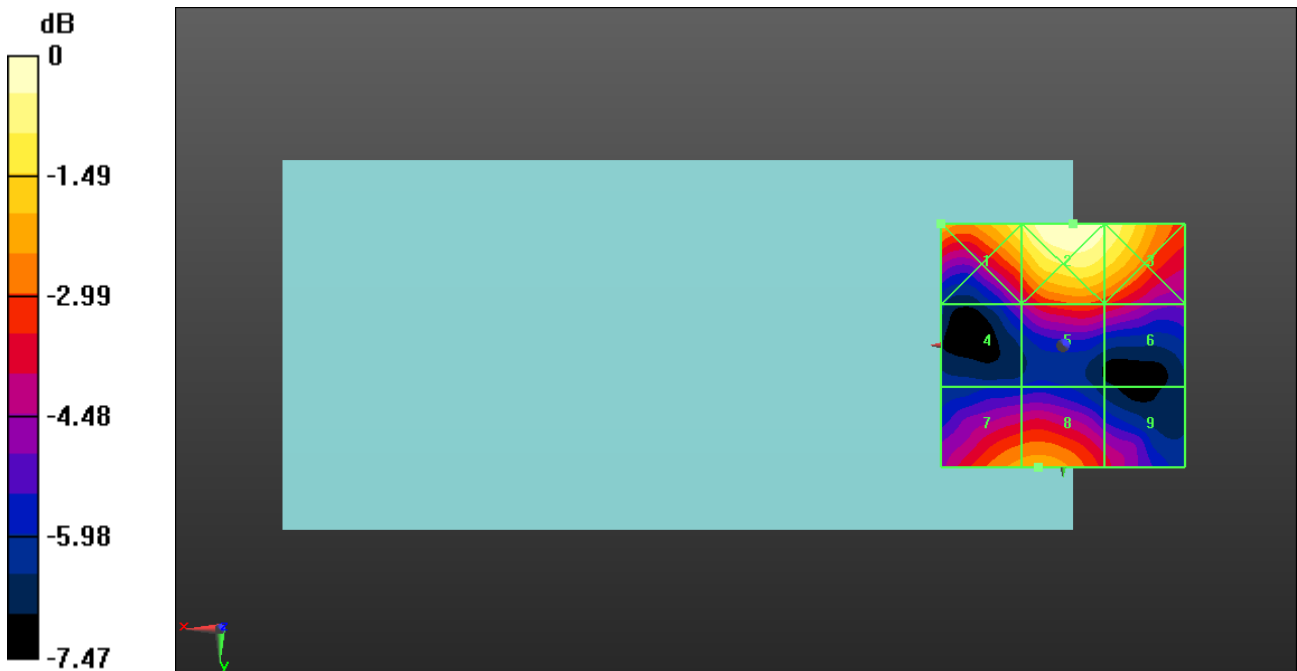
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch41055/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 24.16 dBV/m

E Category: M4

Location: -2, -25, 8.7 mm



0 dB = 16.15 V/m = 24.16 dBV/m

HAC RF_LTE Band 41_20MHz_QPSK_1RB_0Offset_12.2Kbps_Ch41490_E

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

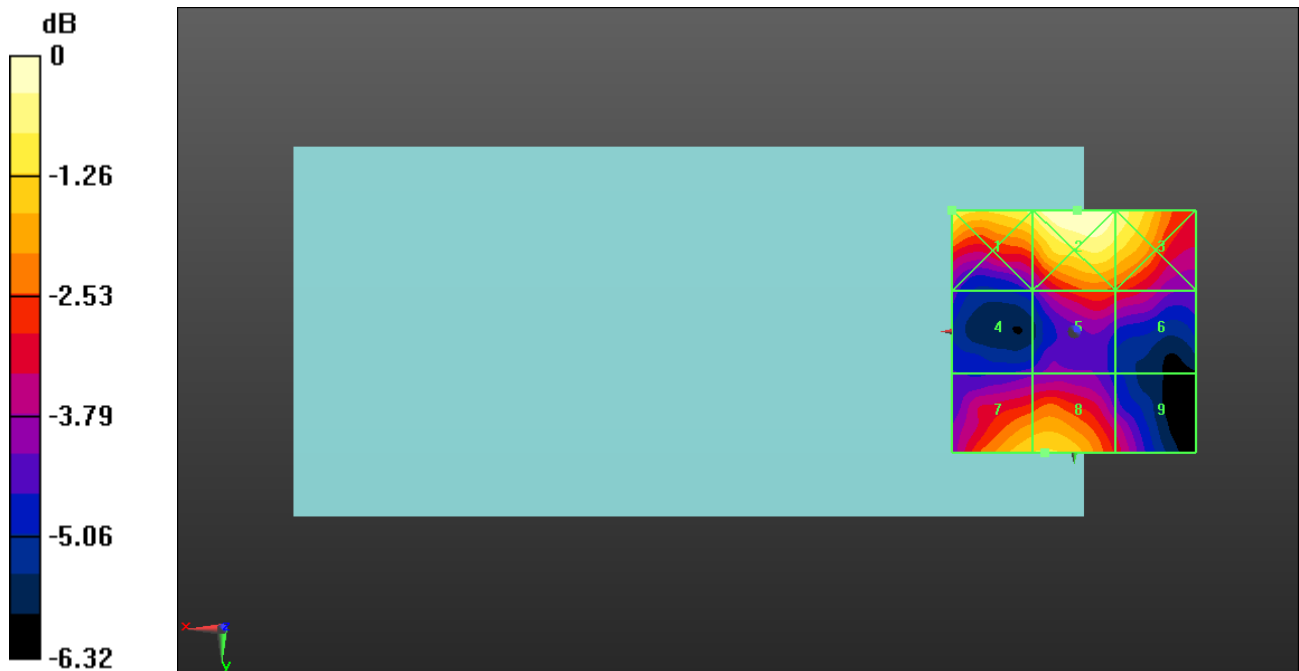
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch41490/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 21.66 dBV/m

E Category: M4

Location: -0.5, -25, 8.7 mm



0 dB = 12.11 V/m = 21.66 dBV/m

HAC_RF_VoWiFi 2.4GHz_802.11b 1Mbps_AMR 12.2Kbps_Ch1

Communication System: UID 10012 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2412 MHz; Duty Cycle: 1:1.53815

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

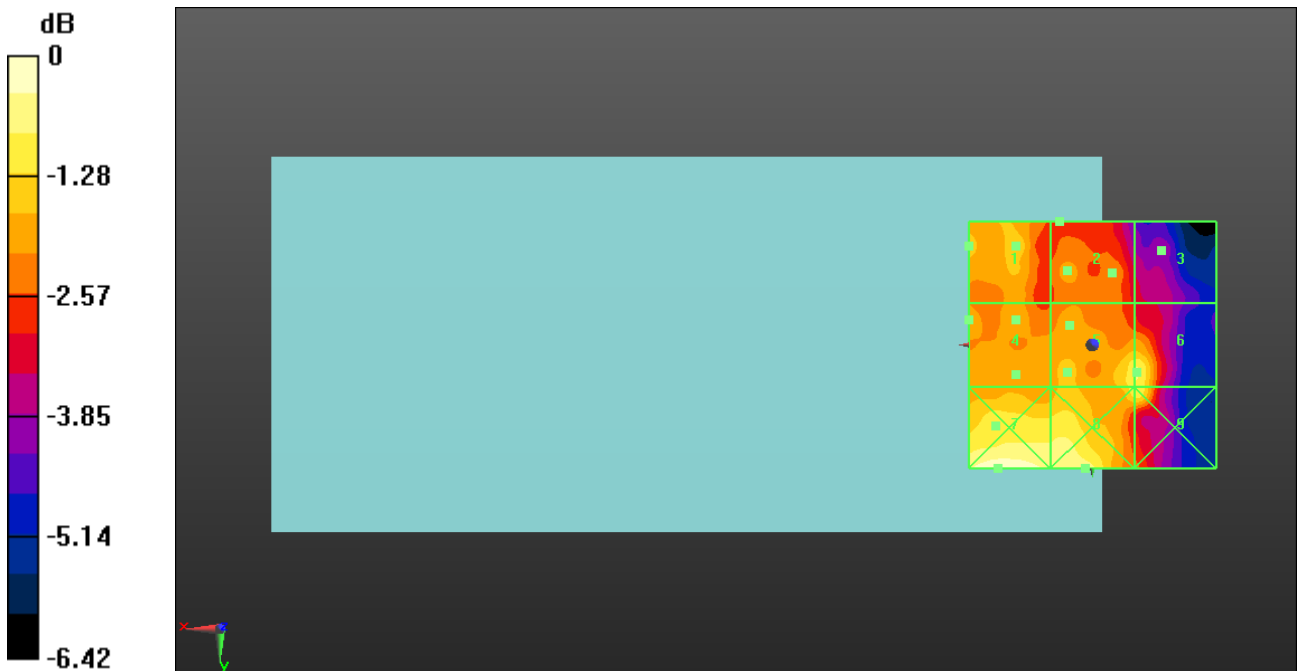
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2412 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Total = 13.16 dBV/m

E Category: M4

Location: 19, 25, 8.7 mm



0 dB = 4.551 V/m = 13.16 dBV/m

HAC_RF_VoWiFi 2.4GHz_802.11b 1Mbps_AMR 12.2Kbps_Ch6

Communication System: UID 10012 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:1.53815

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

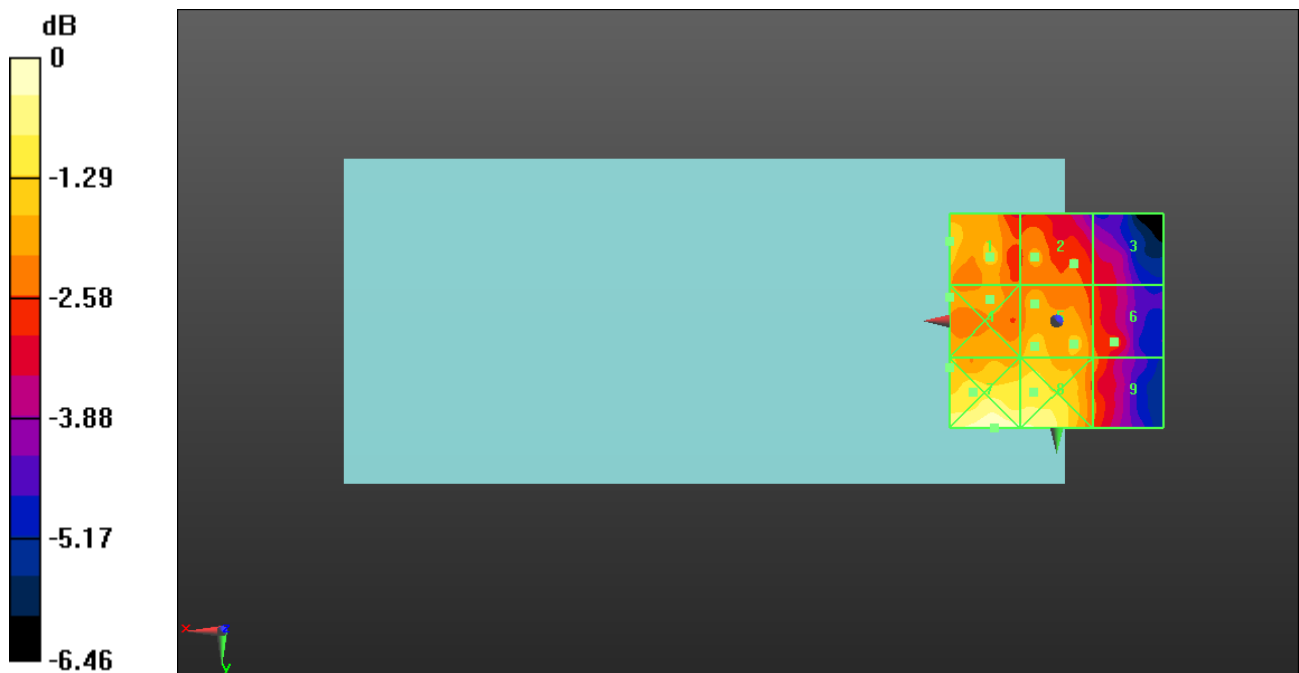
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch6/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 13.08 dBV/m

E Category: M4

Location: 14.5, 25, 8.7 mm



HAC_RF_VoWiFi 2.4GHz_802.11b 1Mbps_AMR 12.2Kbps_Ch11

Communication System: UID 10012 - CAA, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:1.53815

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

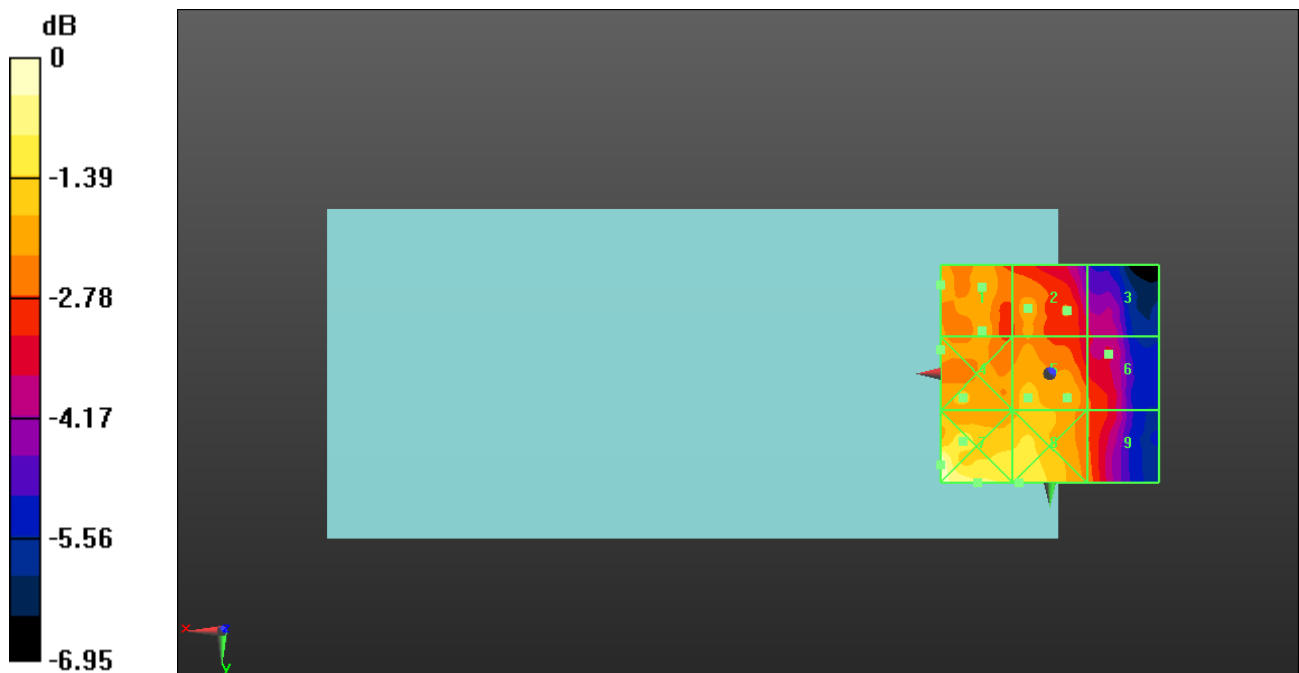
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch11/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 13.49 dBV/m

E Category: M4

Location: 25, 21, 8.7 mm



0 dB = 4.728 V/m = 13.49 dBV/m

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:

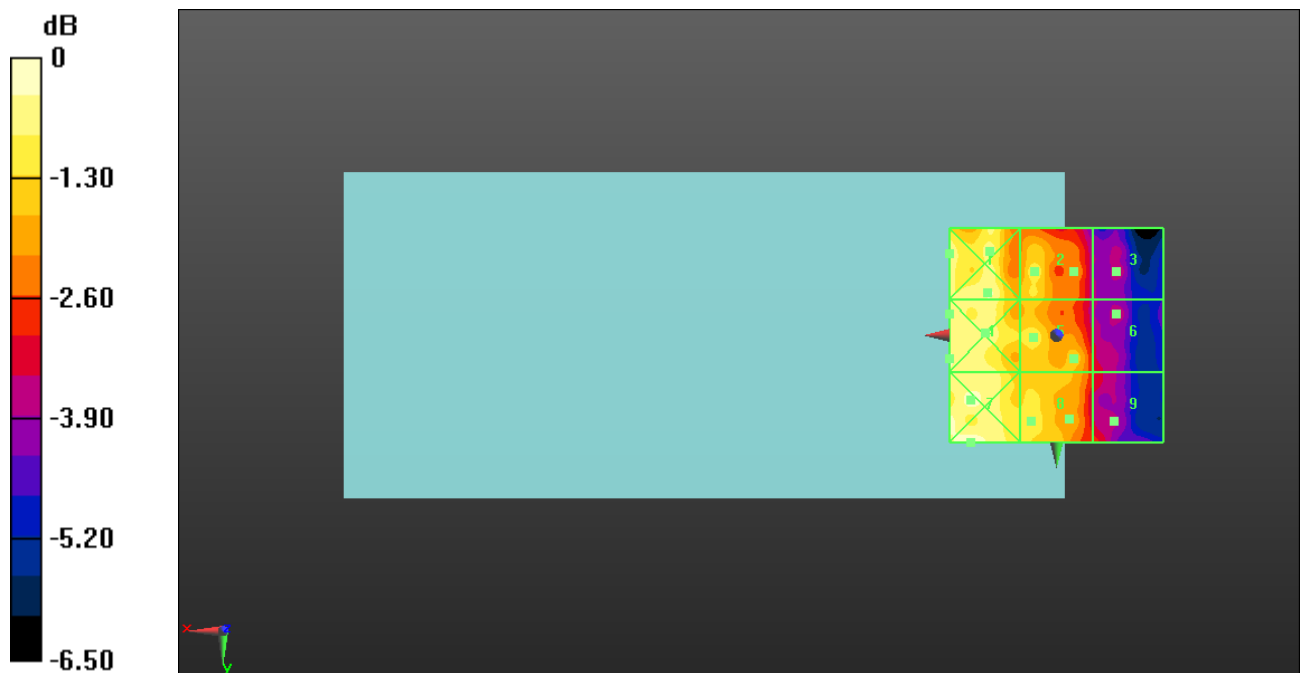
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2412 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

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

Total = 13.55 dBV/m

E Category: M4

Location: 20, 25, 8.7 mm



0 dB = 4.759 V/m = 13.55 dBV/m

HAC_RF_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 12.2Kbps_Ch6

Communication System: UID 10013 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps);

Frequency: 2437 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:

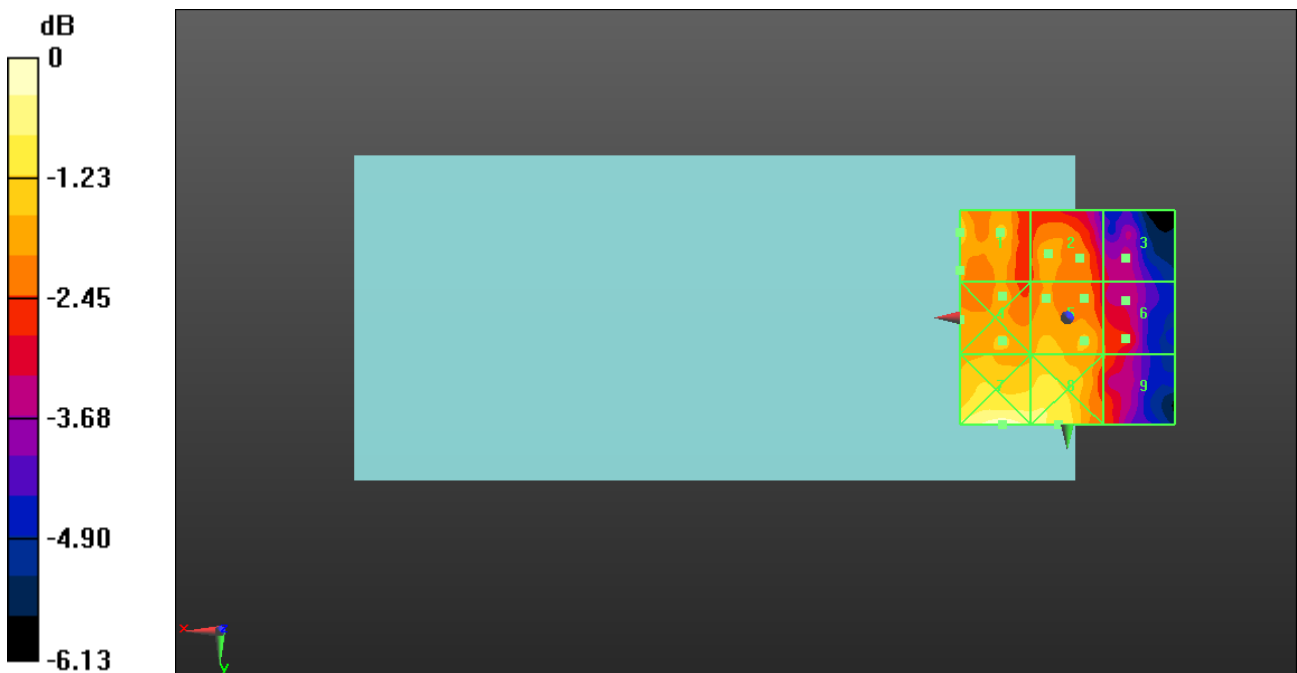
- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch6/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 15.89 dBV/m

E Category: M4

Location: 15, 25, 8.7 mm



0 dB = 6.233 V/m = 15.89 dBV/m

HAC_RF_VoWiFi 2.4GHz_802.11g 6Mbps_AMR 12.2Kbps_Ch11

Communication System: UID 10013 - CAA, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps);

Frequency: 2462 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) @ 2462 MHz; Calibrated: 2023.2.17
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2023.9.19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Ch11/Hearing Aid Compatibility Test (101x101x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Total = 13.58 dBV/m

E Category: M4

Location: 20, 25, 8.7 mm



0 dB = 4.777 V/m = 13.58 dBV/m