



REPORT No. : SZ21040019S01

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 - SN2344; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2020.06.23

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 50.57 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.07 dBV/m

Emission category: M4

MIF scaled E-field

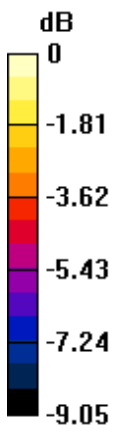
Grid 1 M4 33.54 dBV/m	Grid 2 M4 37.17 dBV/m	Grid 3 M4 37.52 dBV/m
Grid 4 M4 34.26 dBV/m	Grid 5 M4 38.07 dBV/m	Grid 6 M4 38.5 dBV/m
Grid 7 M4 35.22 dBV/m	Grid 8 M4 38.74 dBV/m	Grid 9 M4 38.93 dBV/m

Cursor:

Total = 38.93 dBV/m

E Category: M4

Location: -12.5, 21, 8.7 mm



0 dB = 88.41 V/m = 38.93 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 - SN2344; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 2020.06.23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 46.52 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.40 dBV/m

Emission category: M4

MIF scaled E-field

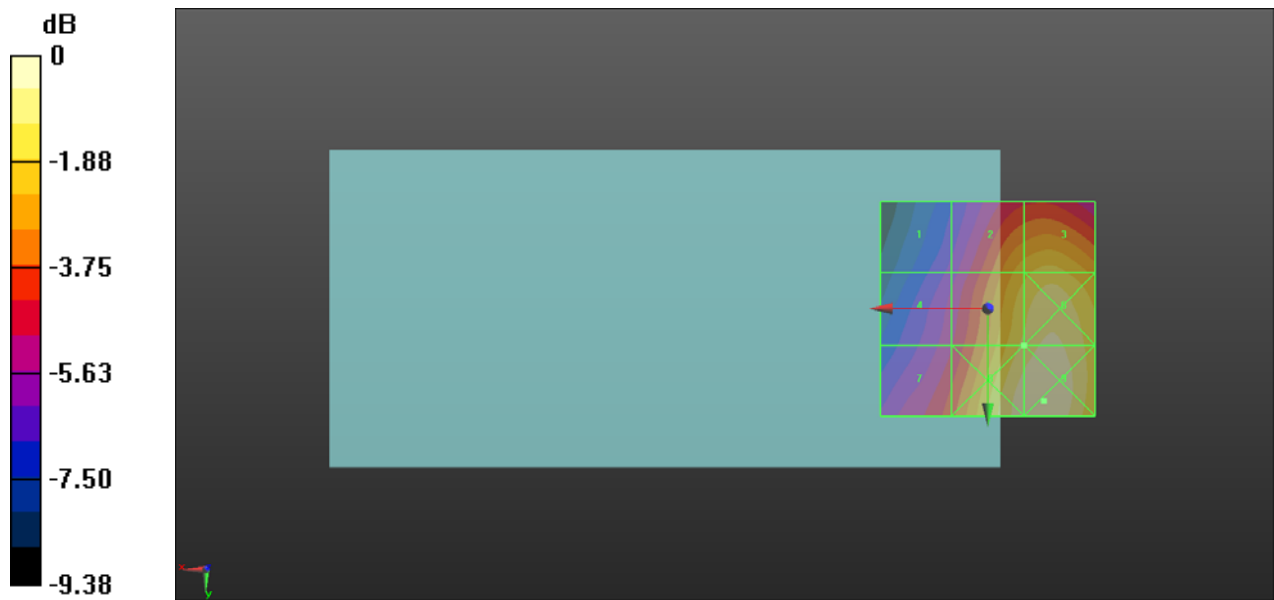
Grid 1 M4 32.49 dBV/m	Grid 2 M4 36.37 dBV/m	Grid 3 M4 36.81 dBV/m
Grid 4 M4 33.39 dBV/m	Grid 5 M4 37.4 dBV/m	Grid 6 M4 37.94 dBV/m
Grid 7 M4 34.48 dBV/m	Grid 8 M4 38.23 dBV/m	Grid 9 M4 38.44 dBV/m

Cursor:

Total = 38.44 dBV/m

E Category: M4

Location: -13, 21.5, 8.7 mm



0 dB = 83.53 V/m = 38.44 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 - SN2344; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 2020.06.23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 43.18 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.62 dBV/m

Emission category: M4

MIF scaled E-field

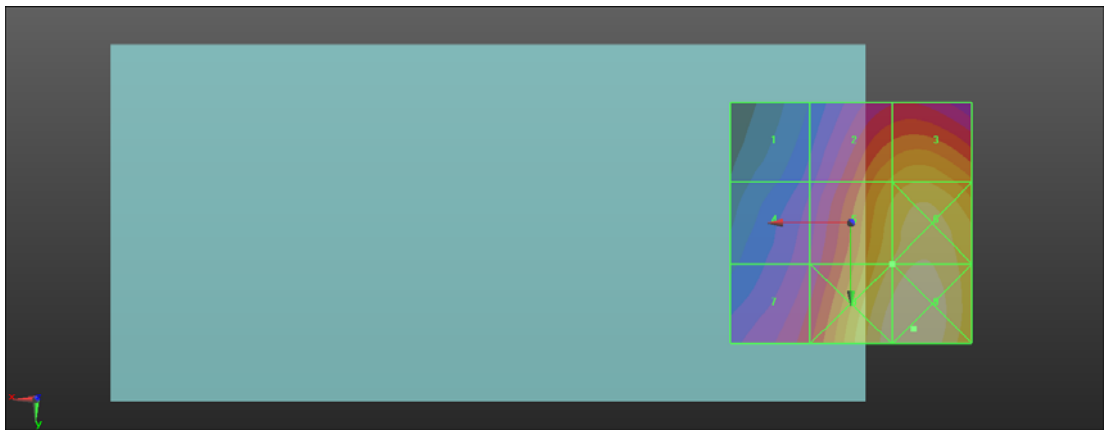
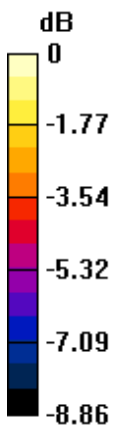
Grid 1 M4 31.62 dBV/m	Grid 2 M4 35.52 dBV/m	Grid 3 M4 35.97 dBV/m
Grid 4 M4 32.51 dBV/m	Grid 5 M4 36.62 dBV/m	Grid 6 M4 37.19 dBV/m
Grid 7 M4 33.52 dBV/m	Grid 8 M4 37.47 dBV/m	Grid 9 M4 37.72 dBV/m

Cursor:

Total = 37.72 dBV/m

E Category: M4

Location: -13, 22, 8.7 mm



0 dB = 76.91 V/m = 37.72 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 - SN2344; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2020.06.23

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 13.21 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.28 dBV/m

Emission category: M4

MIF scaled E-field

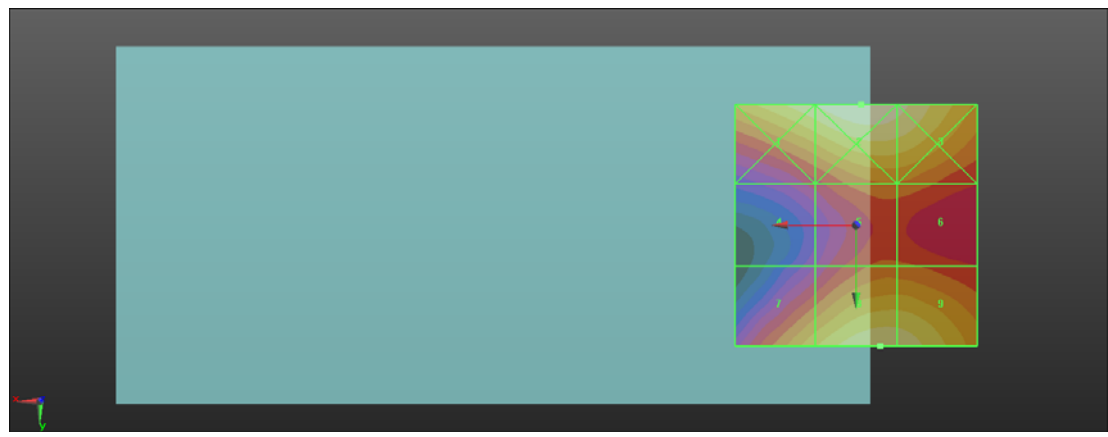
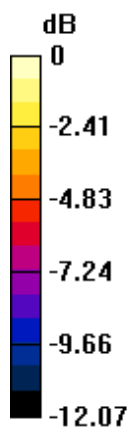
Grid 1 M4 29.36 dBV/m	Grid 2 M3 30.14 dBV/m	Grid 3 M4 29.66 dBV/m
Grid 4 M4 24.13 dBV/m	Grid 5 M4 26.09 dBV/m	Grid 6 M4 26.05 dBV/m
Grid 7 M4 27.66 dBV/m	Grid 8 M4 29.28 dBV/m	Grid 9 M4 29.14 dBV/m

Cursor:

Total = 30.14 dBV/m

E Category: M3

Location: -1, -25, 8.7 mm



0 dB = 32.15 V/m = 30.14 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 - SN2344; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2020.06.23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 10.83 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.86 dBV/m

Emission category: M4

MIF scaled E-field

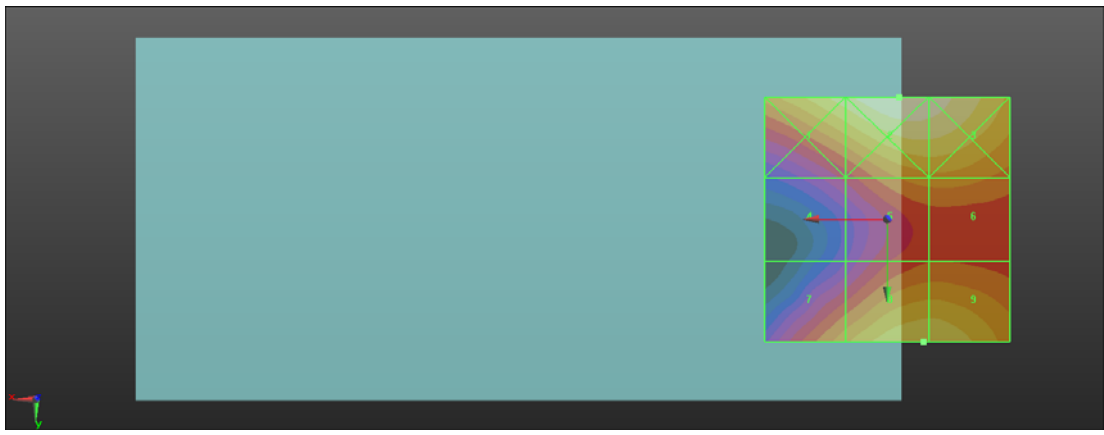
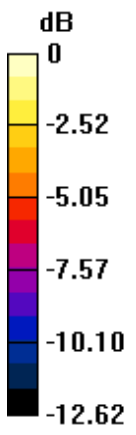
Grid 1 M4 28.46 dBV/m	Grid 2 M4 29.54 dBV/m	Grid 3 M4 29.27 dBV/m
Grid 4 M4 23.16 dBV/m	Grid 5 M4 25.89 dBV/m	Grid 6 M4 25.94 dBV/m
Grid 7 M4 25.98 dBV/m	Grid 8 M4 27.86 dBV/m	Grid 9 M4 27.85 dBV/m

Cursor:

Total = 29.54 dBV/m

E Category: M4

Location: -2.5, -25, 8.7 mm



0 dB = 29.98 V/m = 29.54 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 - SN2344; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2020.06.23

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

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 = 9.021 V/m; Power Drift = 0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.29 dBV/m

Emission category: M4

MIF scaled E-field

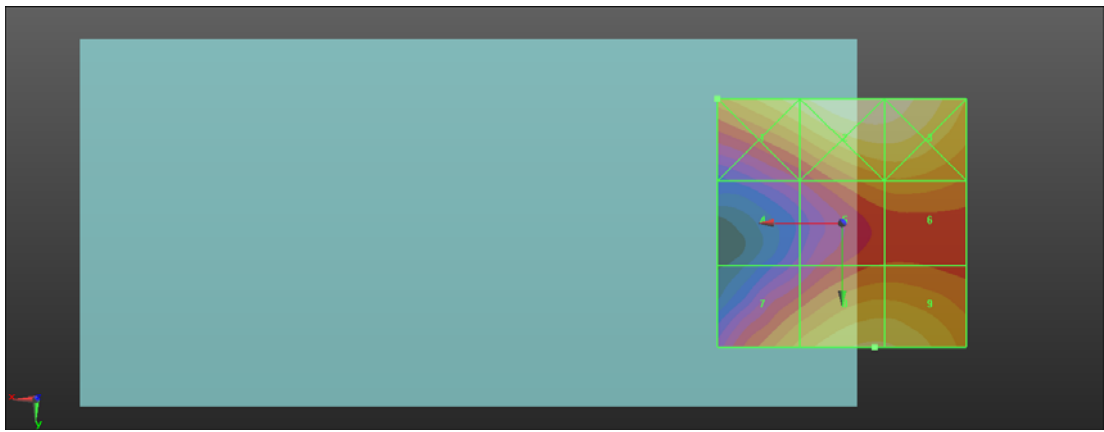
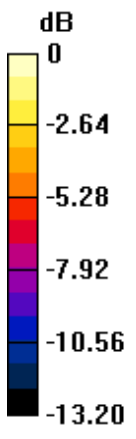
Grid 1 M4 27.72 dBV/m	Grid 2 M4 28.86 dBV/m	Grid 3 M4 28.66 dBV/m
Grid 4 M4 21.88 dBV/m	Grid 5 M4 25.1 dBV/m	Grid 6 M4 25.23 dBV/m
Grid 7 M4 25.7 dBV/m	Grid 8 M4 27.29 dBV/m	Grid 9 M4 27.26 dBV/m

Cursor:

Total = 25.03 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 27.75 V/m = 28.87 dBV/m

HAC RF_LTE Band 41_20M_QPSK_1RB_0offset_12.2Kbps_Ch39750_E

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

Frequency: 2510 MHz; Duty Cycle: 1:1.59

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 - SN2344; ConvF(1, 1, 1) @ 2510 MHz; Calibrated: 2020.06.23

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch39750/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 = 10.82 V/m; Power Drift = -0.04 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.12 dBV/m

Emission category: M4

MIF scaled E-field

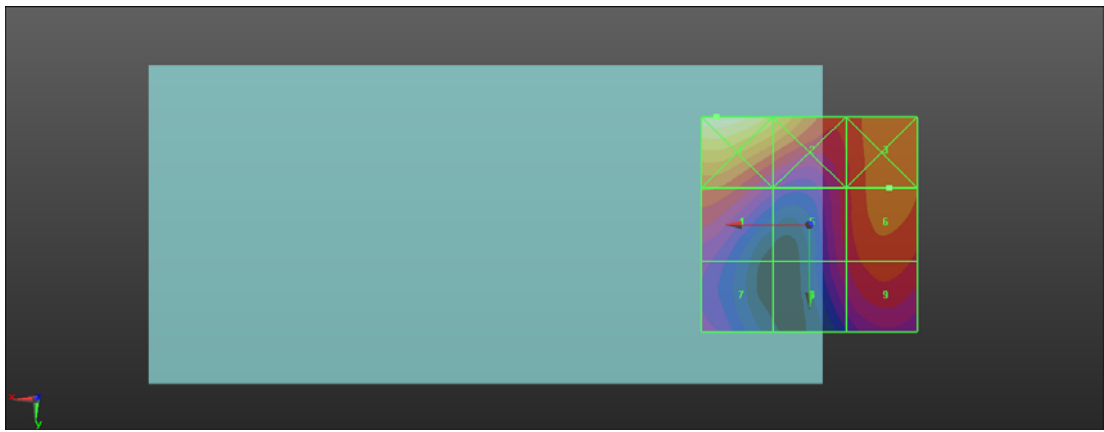
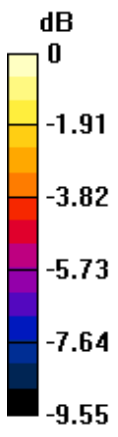
Grid 1 M4 26.55 dBV/m	Grid 2 M4 25.05 dBV/m	Grid 3 M4 23.38 dBV/m
Grid 4 M4 22.85 dBV/m	Grid 5 M4 21.89 dBV/m	Grid 6 M4 23.12 dBV/m
Grid 7 M4 20.47 dBV/m	Grid 8 M4 21.45 dBV/m	Grid 9 M4 22.45 dBV/m

Cursor:

Total = 26.55 dBV/m

E Category: M4

Location: 21.5, -25, 8.7 mm



0 dB = 21.26 V/m = 26.55 dBV/m

HAC RF_LTE Band 41_20M_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: 1:1.59

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 - SN2344; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2020.06.23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40185/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 = 14.10 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 25.79 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.3 dBV/m	Grid 2 M4 25.88 dBV/m	Grid 3 M4 26.02 dBV/m
Grid 4 M4 24.41 dBV/m	Grid 5 M4 24.6 dBV/m	Grid 6 M4 25.79 dBV/m
Grid 7 M4 24.66 dBV/m	Grid 8 M4 24.06 dBV/m	Grid 9 M4 25.2 dBV/m

Cursor:

Total = 26.30 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 20.64 V/m = 26.29 dBV/m

HAC RF_LTE Band 41_20M_QPSK_1RB_0offset_12.2Kbps_Ch40620_E

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

Frequency: 2593 MHz;Duty Cycle: 1:1.59

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 - SN2344; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2020.06.23

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch40620/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 = 11.37 V/m; Power Drift = 0.01 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.96 dBV/m

Emission category: M4

MIF scaled E-field

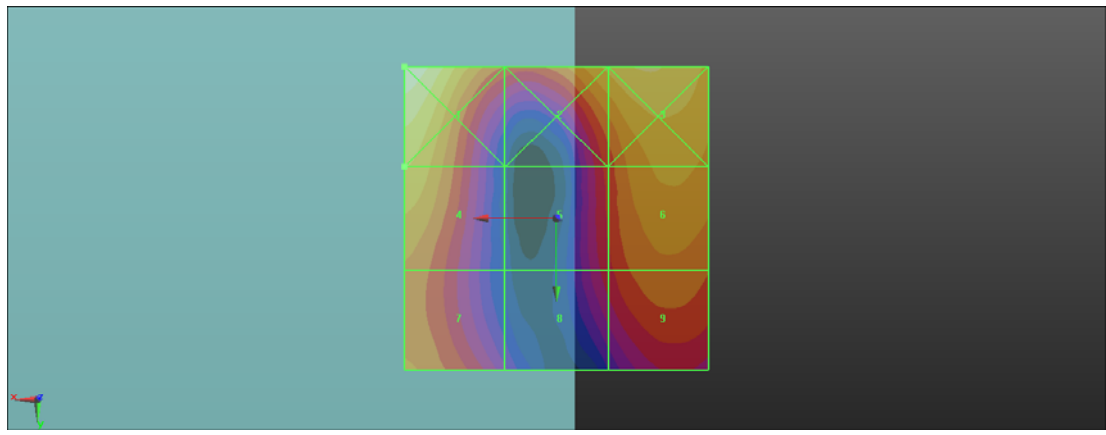
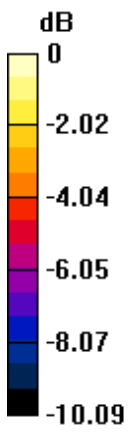
Grid 1 M4 28.94 dBV/m	Grid 2 M4 27.13 dBV/m	Grid 3 M4 27.69 dBV/m
Grid 4 M4 26.96 dBV/m	Grid 5 M4 24.56 dBV/m	Grid 6 M4 26.4 dBV/m
Grid 7 M4 25.76 dBV/m	Grid 8 M4 24.01 dBV/m	Grid 9 M4 25.45 dBV/m

Cursor:

Total = 28.94 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 27.99 V/m = 28.94 dBV/m

HAC RF_LTE Band 41_20M_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: 1:1.59

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 - SN2344; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2020.06.23

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn480; Calibrated: 2020.06.02

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch41055/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 = 8.099 V/m; Power Drift = 0.08 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.33 dBV/m

Emission category: M4

MIF scaled E-field

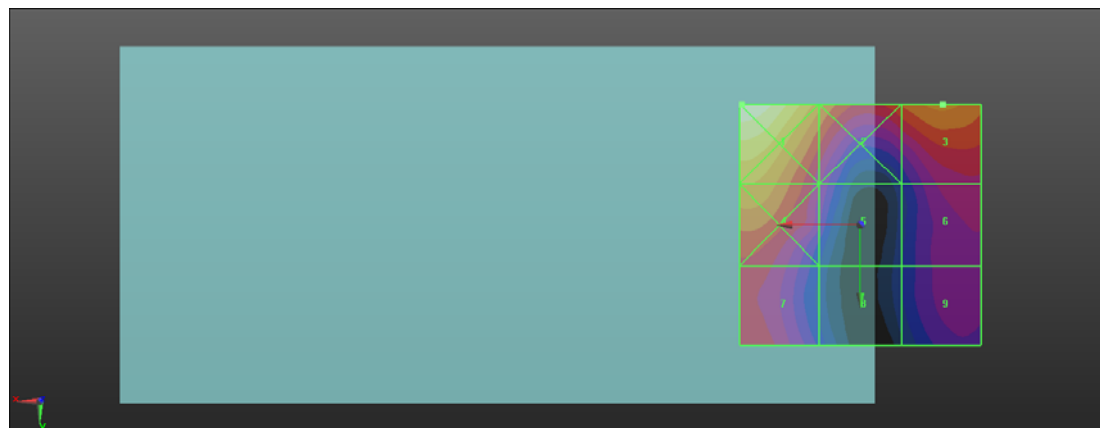
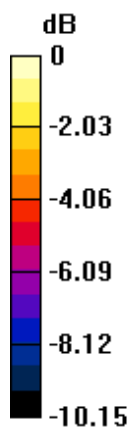
Grid 1 M4 29.5 dBV/m	Grid 2 M4 26.45 dBV/m	Grid 3 M4 26.33 dBV/m
Grid 4 M4 26.84 dBV/m	Grid 5 M4 23.57 dBV/m	Grid 6 M4 23.97 dBV/m
Grid 7 M4 24.71 dBV/m	Grid 8 M4 21.92 dBV/m	Grid 9 M4 23.33 dBV/m

Cursor:

Total = 29.50 dBV/m

E Category: M4

Location: 24.5, -25, 8.7 mm



0 dB = 29.87 V/m = 29.50 dBV/m

HAC RF_LTE Band 41_20M_QPSK_1RB_0offset_12.2Kbps_Ch41490_E

Communication System: UID 10172 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);
 Frequency: 2689.9 MHz; Duty Cycle: 1:1。 59

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 - SN2344; ConvF(1, 1, 1) @ 2689.9 MHz; Calibrated: 2020.06.23
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch41490/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 = 9.670 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.65 dBV/m

Emission category: M4

MIF scaled E-field

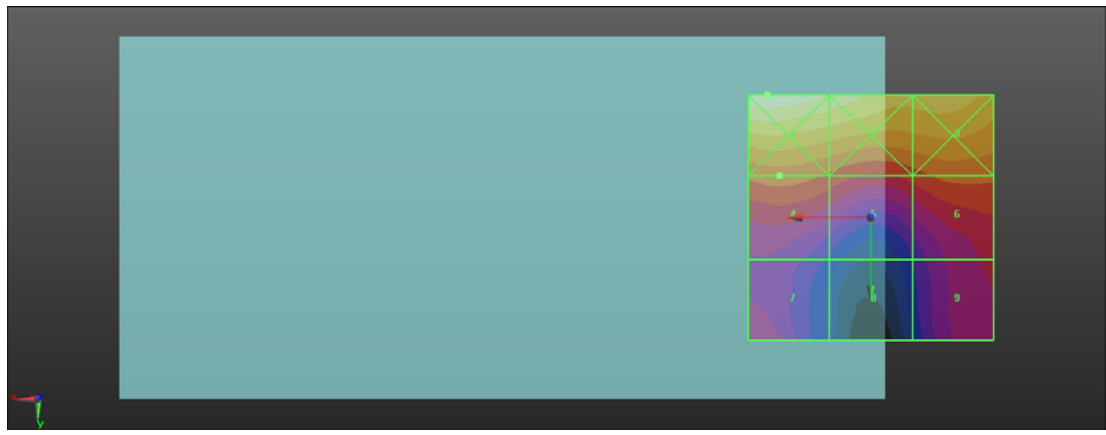
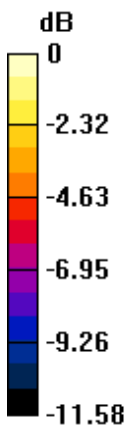
Grid 1 M4 26.88 dBV/m	Grid 2 M4 26.06 dBV/m	Grid 3 M4 24.95 dBV/m
Grid 4 M4 22.65 dBV/m	Grid 5 M4 22.1 dBV/m	Grid 6 M4 22.51 dBV/m
Grid 7 M4 20.75 dBV/m	Grid 8 M4 18.49 dBV/m	Grid 9 M4 20.84 dBV/m

Cursor:

Total = 26.88 dBV/m

E Category: M4

Location: 21, -25, 8.7 mm



0 dB = 22.07 V/m = 26.88 dBV/m