

#01_HAC_E_GSM850_GSM Voice_Ch128;UAT

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

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 43.78 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.13 dBV/m

Emission category: M4

MIF scaled E-field

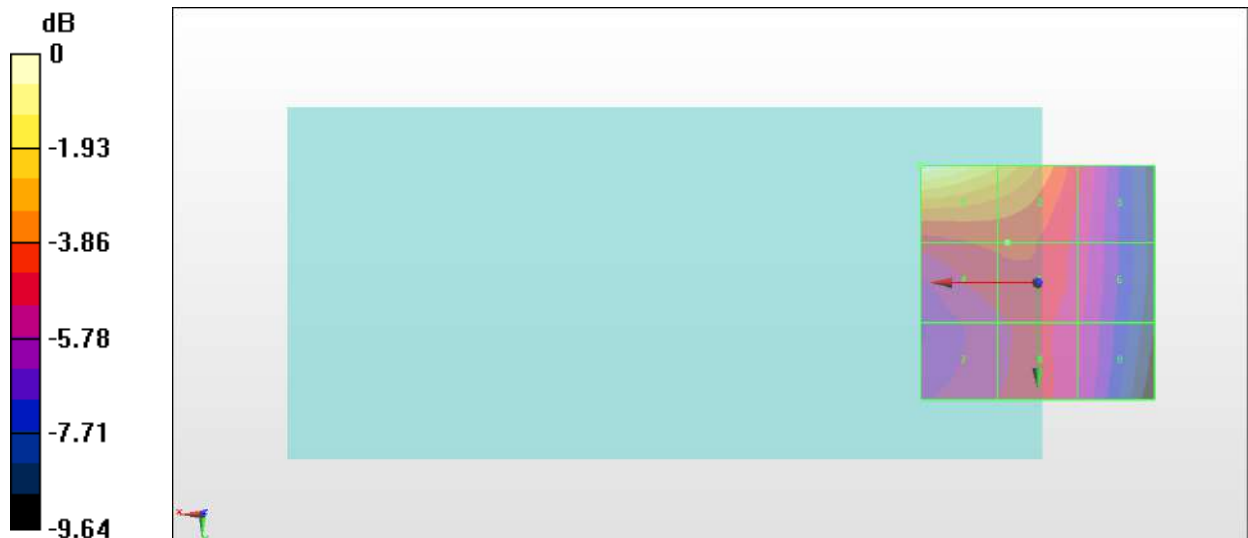
Grid 1 M4 38.13 dBV/m	Grid 2 M4 36.27 dBV/m	Grid 3 M4 33.3 dBV/m
Grid 4 M4 33.79 dBV/m	Grid 5 M4 33.81 dBV/m	Grid 6 M4 32.79 dBV/m
Grid 7 M4 33.02 dBV/m	Grid 8 M4 33.23 dBV/m	Grid 9 M4 32.52 dBV/m

Cursor:

Total = 38.13 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 80.65 V/m = 38.13 dBV/m

#02_HAC_E_GSM850_GSM Voice_Ch189;UAT

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 46.25 V/m; Power Drift = 0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.37 dBV/m

Emission category: M4

MIF scaled E-field

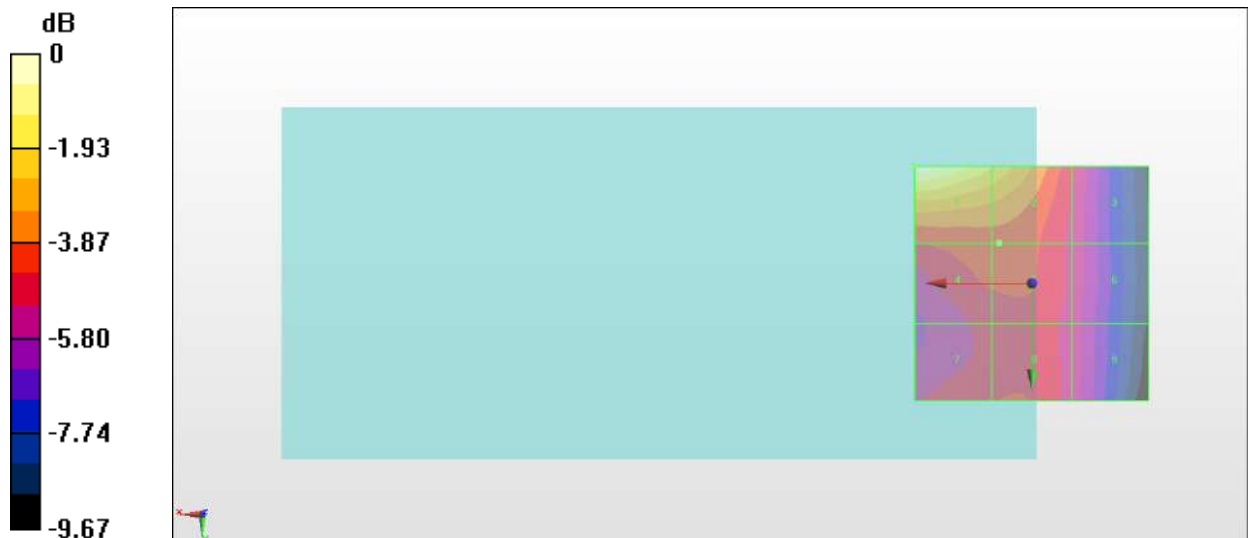
Grid 1 M4 38.37 dBV/m	Grid 2 M4 36.53 dBV/m	Grid 3 M4 33.46 dBV/m
Grid 4 M4 34.23 dBV/m	Grid 5 M4 34.24 dBV/m	Grid 6 M4 33.06 dBV/m
Grid 7 M4 33.81 dBV/m	Grid 8 M4 33.91 dBV/m	Grid 9 M4 32.93 dBV/m

Cursor:

Total = 38.37 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 82.89 V/m = 38.37 dBV/m

#03_HAC_E_GSM850_GSM Voice_Ch251;UAT

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 41.27 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.85 dBV/m

Emission category: M4

MIF scaled E-field

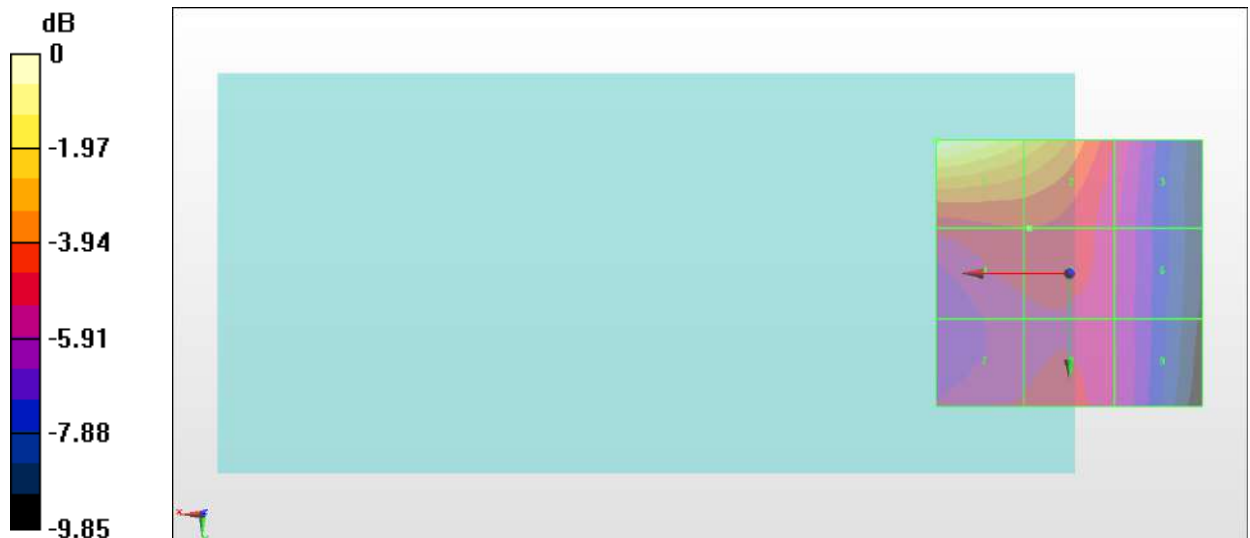
Grid 1 M4 37.85 dBV/m	Grid 2 M4 35.97 dBV/m	Grid 3 M4 32.68 dBV/m
Grid 4 M4 33.26 dBV/m	Grid 5 M4 33.26 dBV/m	Grid 6 M4 32.06 dBV/m
Grid 7 M4 32.73 dBV/m	Grid 8 M4 32.87 dBV/m	Grid 9 M4 32.02 dBV/m

Cursor:

Total = 37.85 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 78.05 V/m = 37.85 dBV/m

#04_HAC RF_GSM1900_GSM Voice_Ch512_UAT

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 : 23.4 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4053 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 2019.04.16;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- 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 = 31.88 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.60 dBV/m

Emission category: M3

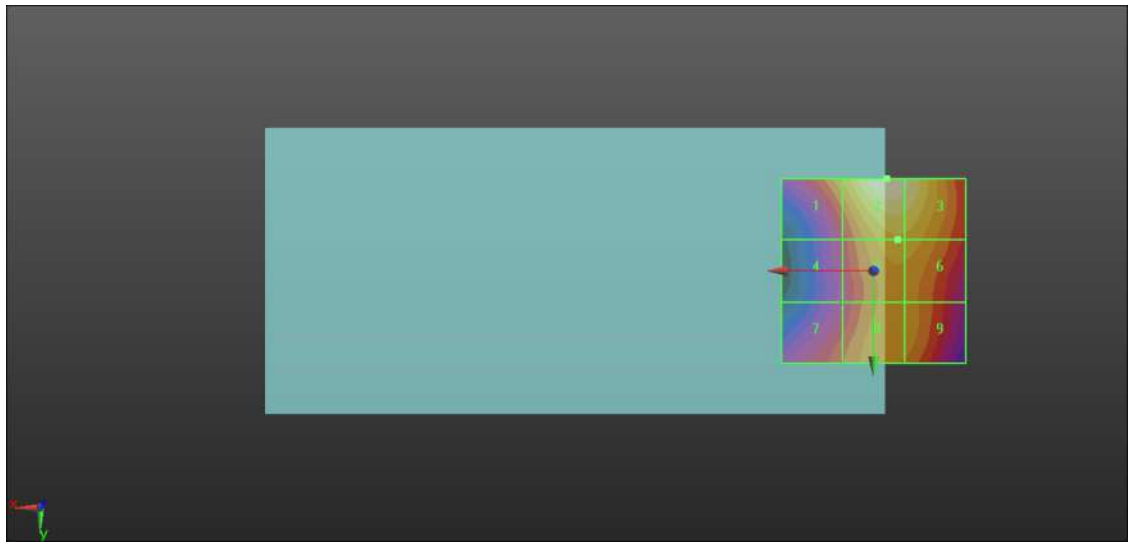
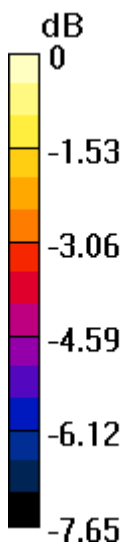
MIF scaled E-field

Grid 1 M3 31.64 dBV/m	Grid 2 M3 33.6 dBV/m	Grid 3 M3 33.29 dBV/m
Grid 4 M4 29.77 dBV/m	Grid 5 M3 31.96 dBV/m	Grid 6 M3 31.93 dBV/m
Grid 7 M3 30.51 dBV/m	Grid 8 M3 31.52 dBV/m	Grid 9 M3 31.42 dBV/m

Total = 33.60 dBV/m

E Category: M3

Location: -3.5, -25, 8.7 mm



0 dB = 47.84 V/m = 33.60 dBV/m

#05_HAC_RF_GSM1900_GSM Voice_Ch661_UAT

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 : 23.4 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4053 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 2019.04.16;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- 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 = 31.55 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.43 dBV/m

Emission category: M3

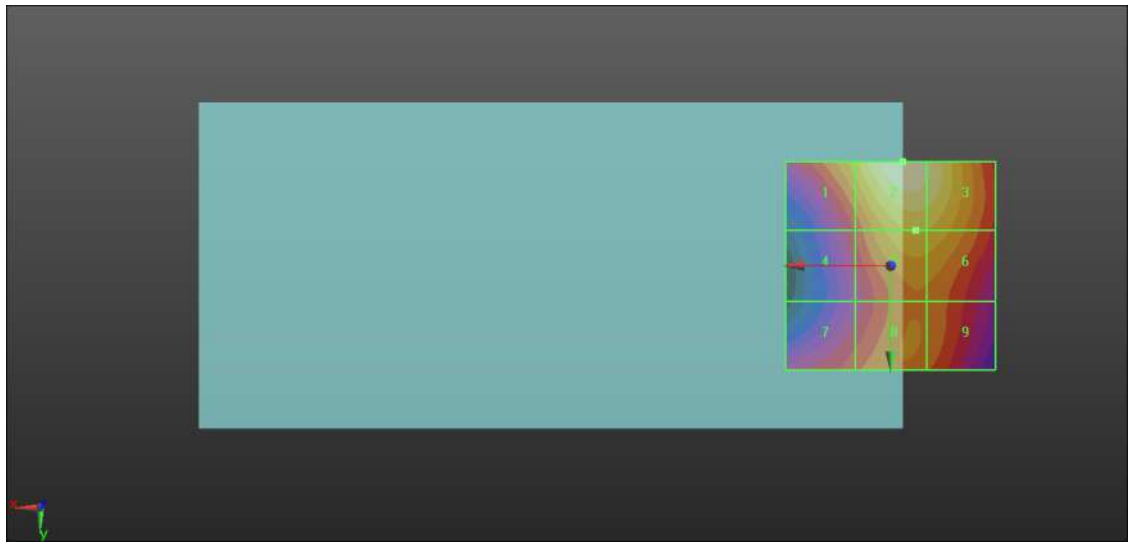
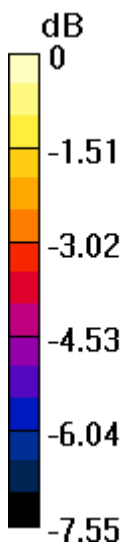
MIF scaled E-field

Grid 1 M3 31.8 dBV/m	Grid 2 M3 33.43 dBV/m	Grid 3 M3 33.1 dBV/m
Grid 4 M4 29.99 dBV/m	Grid 5 M3 31.99 dBV/m	Grid 6 M3 31.93 dBV/m
Grid 7 M3 30.31 dBV/m	Grid 8 M3 30.98 dBV/m	Grid 9 M3 30.84 dBV/m

Total = 33.43 dBV/m

E Category: M3

Location: -3, -25, 8.7 mm



0 dB = 46.93 V/m = 33.43 dBV/m

#06_HAC_RF_GSM1900_GSM Voice_Ch810_UAT

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 : 23.4 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4053 (5-6 GHz); ConvF(1, 1, 1); Calibrated: 2019.04.16;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1437; Calibrated: 2018.10.15
- 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 = 32.89 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.27 dBV/m

Emission category: M3

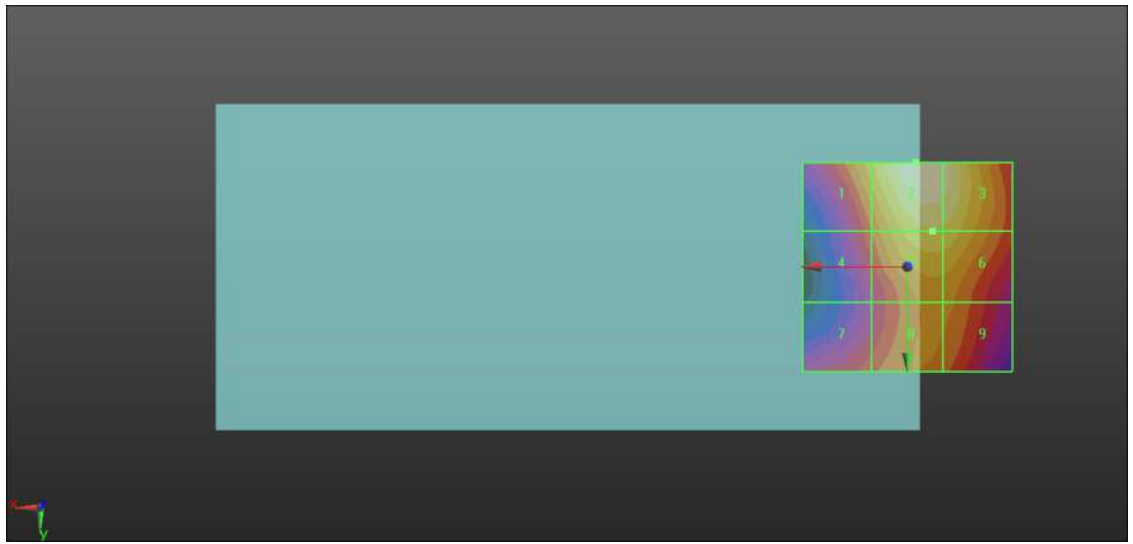
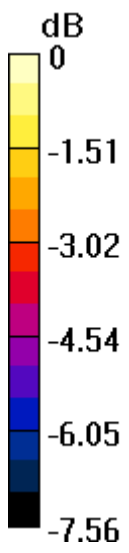
MIF scaled E-field

Grid 1 M3 31.67 dBV/m	Grid 2 M3 33.27 dBV/m	Grid 3 M3 32.95 dBV/m
Grid 4 M3 30.26 dBV/m	Grid 5 M3 32.21 dBV/m	Grid 6 M3 32.16 dBV/m
Grid 7 M3 30.1 dBV/m	Grid 8 M3 30.95 dBV/m	Grid 9 M3 30.93 dBV/m

Total = 33.27 dBV/m

E Category: M3

Location: -2, -25, 8.7 mm



0 dB = 46.09 V/m = 33.27 dBV/m

#07_HAC_E_GSM1900_GSM Voice_Ch512;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 13.50 V/m; Power Drift = 0.15 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.05 dBV/m

Emission category: M3

MIF scaled E-field

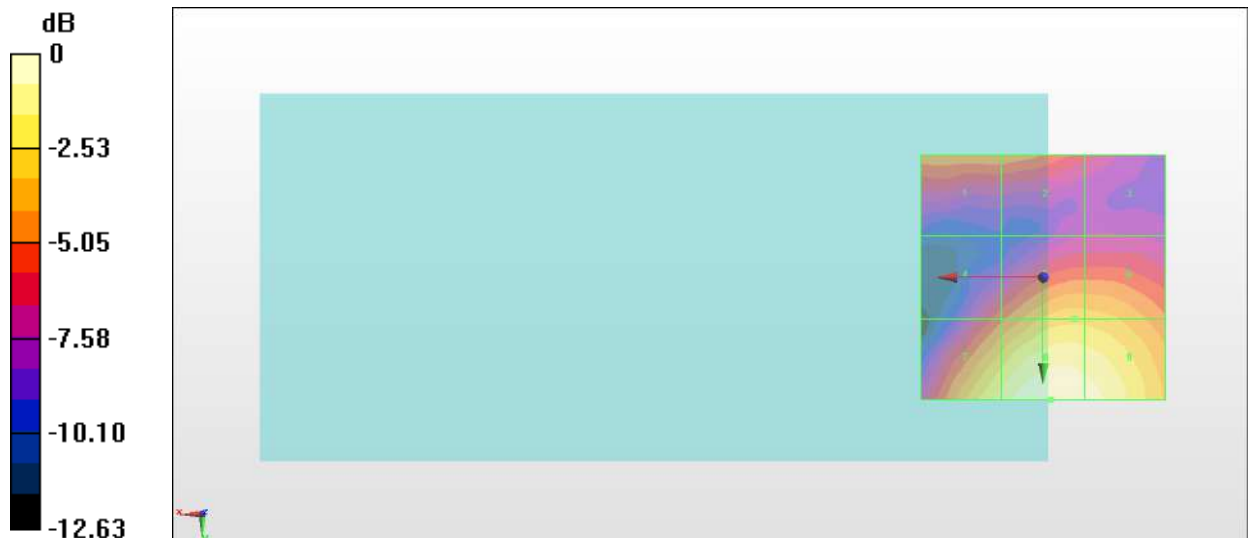
Grid 1 M4 25.81 dBV/m	Grid 2 M4 25.78 dBV/m	Grid 3 M4 23.84 dBV/m
Grid 4 M4 24.82 dBV/m	Grid 5 M4 27.28 dBV/m	Grid 6 M4 27.22 dBV/m
Grid 7 M4 28.78 dBV/m	Grid 8 M3 30.05 dBV/m	Grid 9 M4 29.7 dBV/m

Cursor:

Total = 30.05 dBV/m

E Category: M3

Location: -1.5, 25, 8.7 mm



0 dB = 31.80 V/m = 30.05 dBV/m

#08_HAC_E_GSM1900_GSM Voice_Ch661;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 11.94 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.29 dBV/m

Emission category: M4

MIF scaled E-field

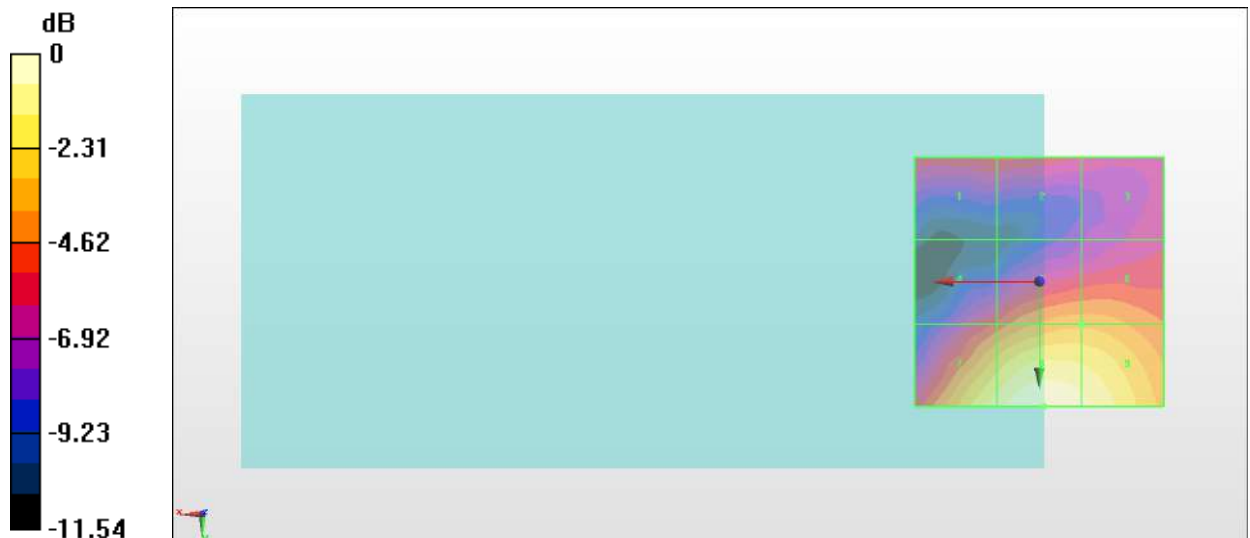
Grid 1 M4 24.09 dBV/m	Grid 2 M4 24.18 dBV/m	Grid 3 M4 23.28 dBV/m
Grid 4 M4 24.15 dBV/m	Grid 5 M4 26.03 dBV/m	Grid 6 M4 26.03 dBV/m
Grid 7 M4 28.21 dBV/m	Grid 8 M4 29.29 dBV/m	Grid 9 M4 28.82 dBV/m

Cursor:

Total = 29.29 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 29.13 V/m = 29.29 dBV/m

#09_HAC_E_GSM1900_GSM Voice_Ch810;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 10.70 V/m; Power Drift = -0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.15 dBV/m

Emission category: M4

MIF scaled E-field

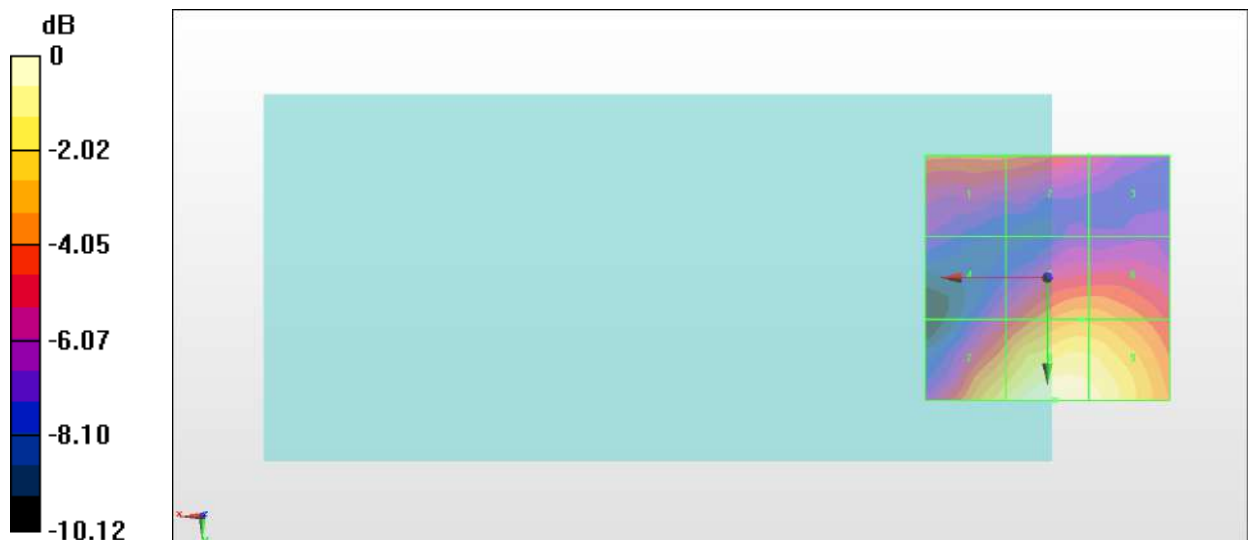
Grid 1 M4 24.44 dBV/m	Grid 2 M4 24.4 dBV/m	Grid 3 M4 22.79 dBV/m
Grid 4 M4 22.73 dBV/m	Grid 5 M4 25.32 dBV/m	Grid 6 M4 25.29 dBV/m
Grid 7 M4 26.79 dBV/m	Grid 8 M4 28.15 dBV/m	Grid 9 M4 27.85 dBV/m

Cursor:

Total = 28.15 dBV/m

E Category: M4

Location: -1.5, 25, 8.7 mm



0 dB = 25.55 V/m = 28.15 dBV/m

#10_HAC_E_CDMA BC0_ 1xRTT, RC1 SO3, 1/8th Rate_Ch1013;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 17.75 V/m; Power Drift = 0.04 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.42 dBV/m

Emission category: M4

MIF scaled E-field

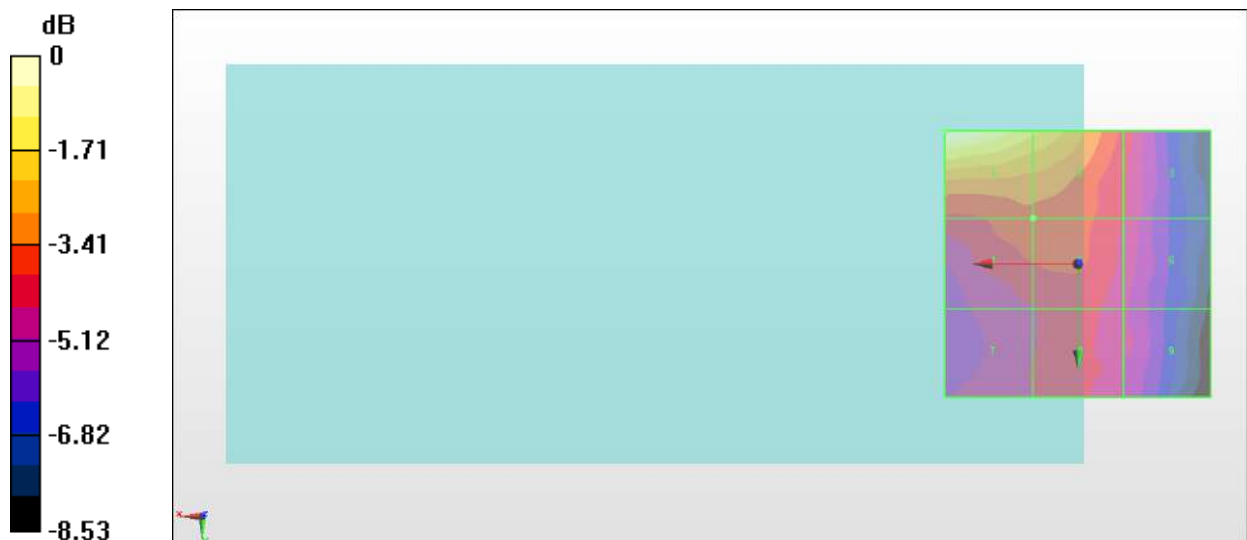
Grid 1 M4 29.42 dBV/m	Grid 2 M4 27.89 dBV/m	Grid 3 M4 25.33 dBV/m
Grid 4 M4 25.81 dBV/m	Grid 5 M4 25.81 dBV/m	Grid 6 M4 24.94 dBV/m
Grid 7 M4 24.93 dBV/m	Grid 8 M4 25.19 dBV/m	Grid 9 M4 24.57 dBV/m

Cursor:

Total = 29.42 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 29.58 V/m = 29.42 dBV/m

#11_HAC_E_CDMA BC0_ 1xRTT, RC1 SO3, 1/8th Rate_Ch384;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 17.96 V/m; Power Drift = -0.02 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.56 dBV/m

Emission category: M4

MIF scaled E-field

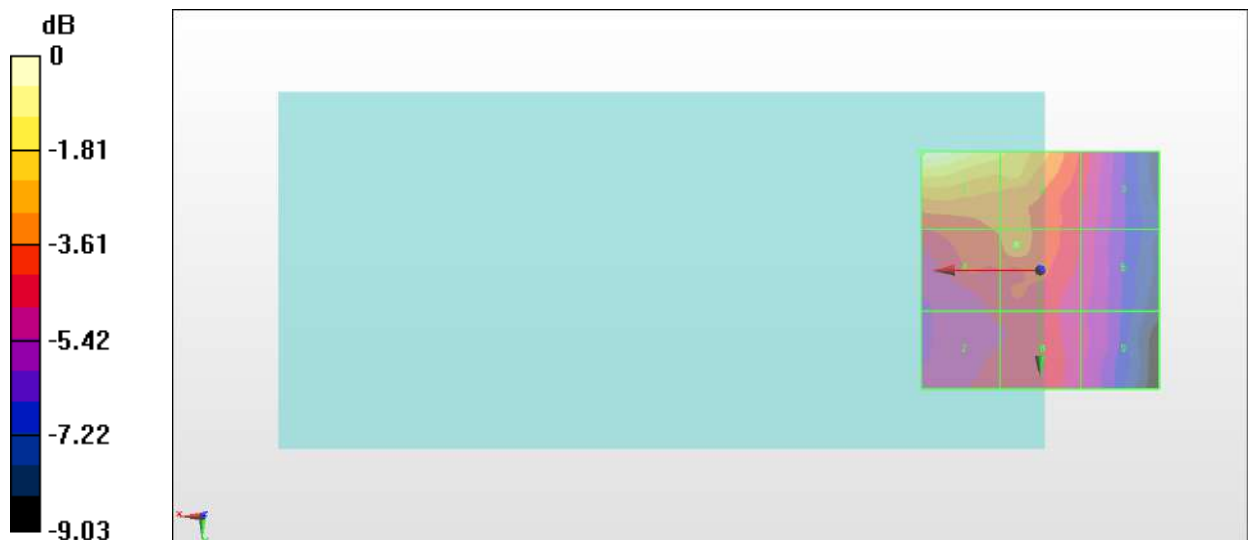
Grid 1 M4 29.56 dBV/m	Grid 2 M4 27.94 dBV/m	Grid 3 M4 25.34 dBV/m
Grid 4 M4 26.04 dBV/m	Grid 5 M4 26.6 dBV/m	Grid 6 M4 24.74 dBV/m
Grid 7 M4 25.13 dBV/m	Grid 8 M4 25.35 dBV/m	Grid 9 M4 24.42 dBV/m

Cursor:

Total = 29.56 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 30.06 V/m = 29.56 dBV/m

#12_HAC_E_CDMA BC0_ 1xRTT, RC1 SO3, 1/8th Rate_Ch777;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 14.49 V/m; Power Drift = 0.07 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.43 dBV/m

Emission category: M4

MIF scaled E-field

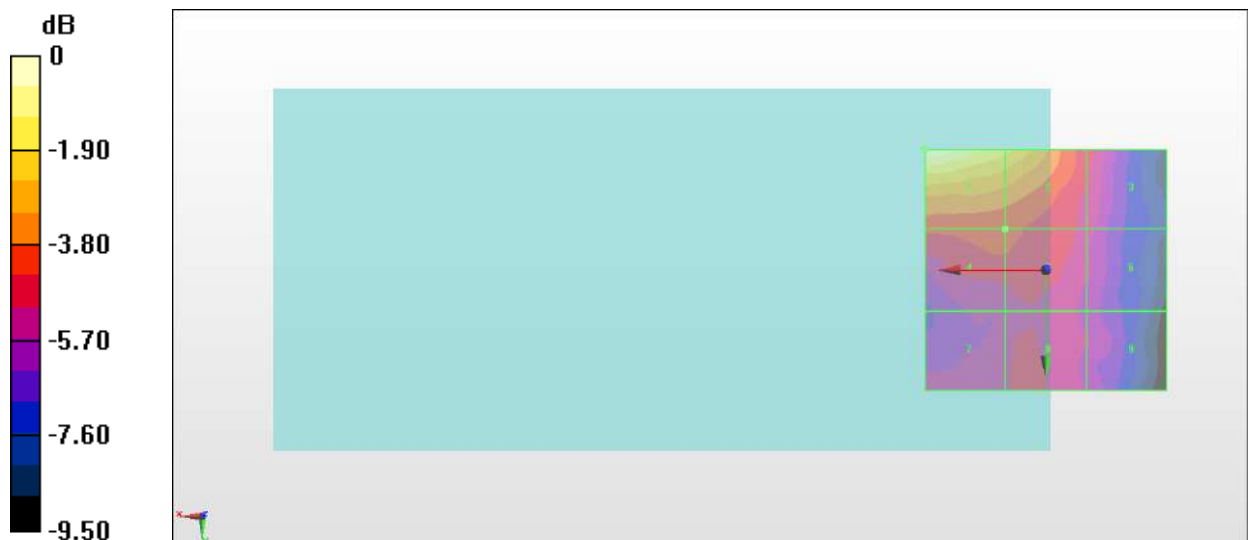
Grid 1 M4 28.43 dBV/m	Grid 2 M4 26.81 dBV/m	Grid 3 M4 23.72 dBV/m
Grid 4 M4 24.28 dBV/m	Grid 5 M4 24.21 dBV/m	Grid 6 M4 23.08 dBV/m
Grid 7 M4 23.32 dBV/m	Grid 8 M4 23.57 dBV/m	Grid 9 M4 22.81 dBV/m

Cursor:

Total = 28.43 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 26.41 V/m = 28.44 dBV/m

#13_HAC_E_CDMA BC1_ 1xRTT, RC1 SO3, 1/8th Rate_Ch25;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 24.55 V/m; Power Drift = -0.02 dB

Applied MIF = 3.26 dB

RF audio interference level = 30.77 dBV/m

Emission category: M3

MIF scaled E-field

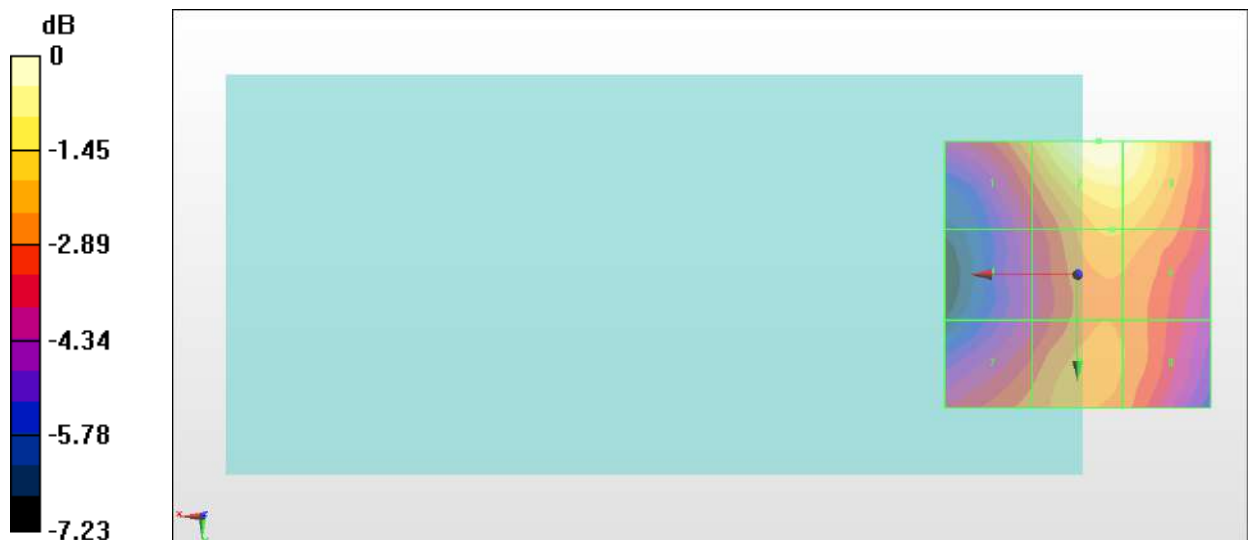
Grid 1 M4 28.97 dBV/m	Grid 2 M3 30.77 dBV/m	Grid 3 M3 30.57 dBV/m
Grid 4 M4 27.07 dBV/m	Grid 5 M4 28.97 dBV/m	Grid 6 M4 28.92 dBV/m
Grid 7 M4 28.13 dBV/m	Grid 8 M4 28.66 dBV/m	Grid 9 M4 28.4 dBV/m

Cursor:

Total = 30.77 dBV/m

E Category: M3

Location: -4, -25, 8.7 mm



0 dB = 34.57 V/m = 30.77 dBV/m

#14_HAC_E_CDMA BC1_ 1xRTT, RC1 SO3, 1/8th Rate_Ch600;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 24.54 V/m; Power Drift = 0.06 dB

Applied MIF = 3.26 dB

RF audio interference level = 30.74 dBV/m

Emission category: M3

MIF scaled E-field

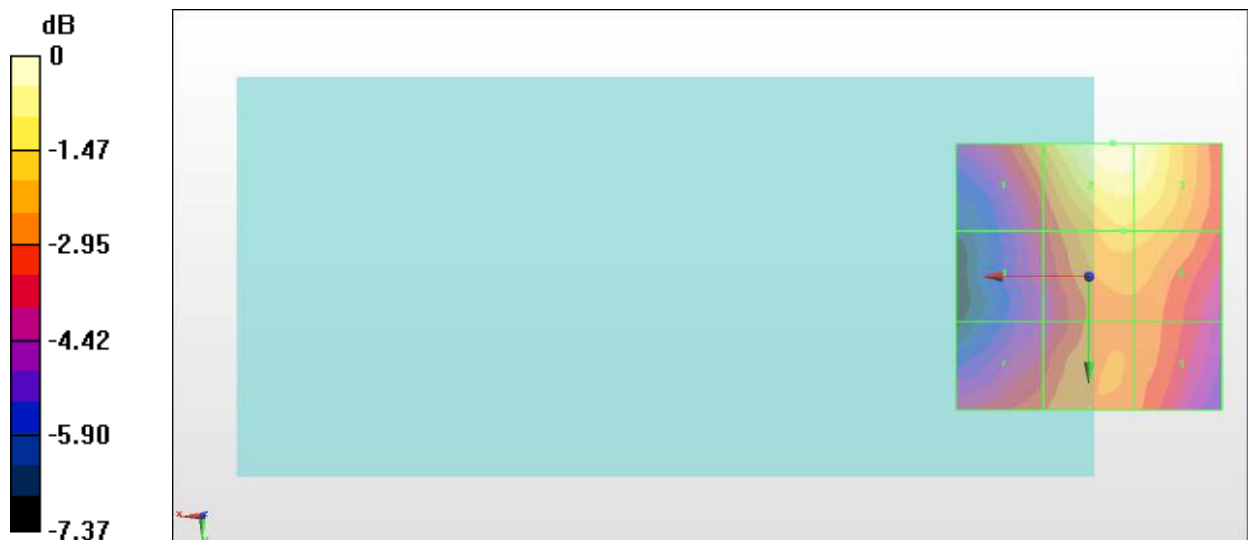
Grid 1 M4 28.83 dBV/m	Grid 2 M3 30.74 dBV/m	Grid 3 M3 30.54 dBV/m
Grid 4 M4 27.16 dBV/m	Grid 5 M4 29.16 dBV/m	Grid 6 M4 29.11 dBV/m
Grid 7 M4 27.73 dBV/m	Grid 8 M4 28.35 dBV/m	Grid 9 M4 28.23 dBV/m

Cursor:

Total = 30.74 dBV/m

E Category: M3

Location: -4.5, -25, 8.7 mm



0 dB = 34.42 V/m = 30.74 dBV/m

#15_HAC_E_CDMA BC1_ 1xRTT, RC1 SO3, 1/8th Rate_Ch1175;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 24.89 V/m; Power Drift = 0.00 dB

Applied MIF = 3.26 dB

RF audio interference level = 30.58 dBV/m

Emission category: M3

MIF scaled E-field

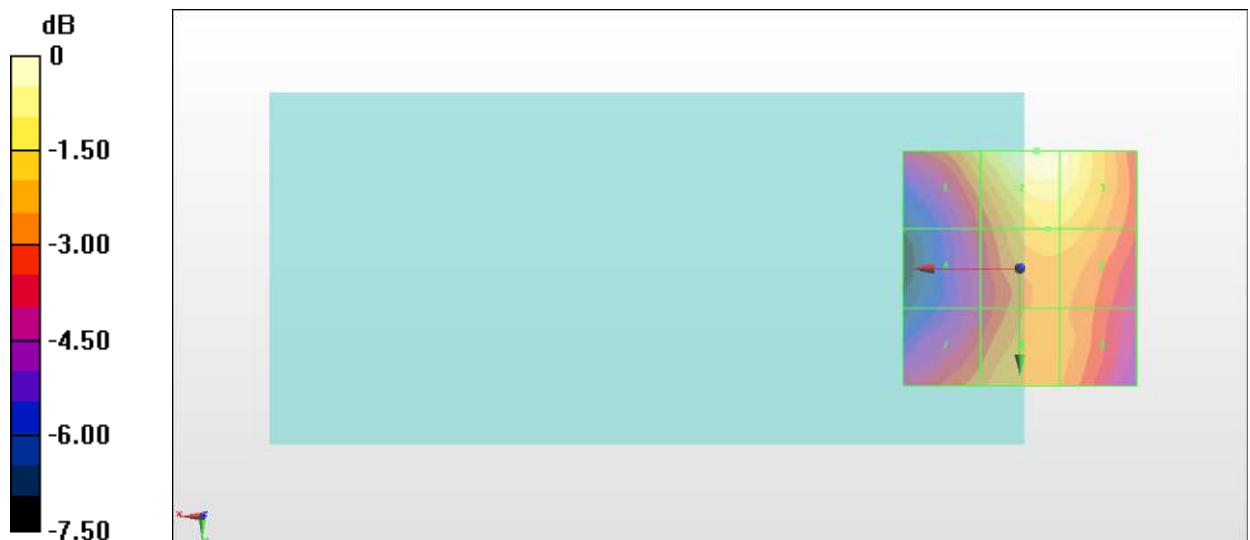
Grid 1 M4 29.02 dBV/m	Grid 2 M3 30.58 dBV/m	Grid 3 M3 30.32 dBV/m
Grid 4 M4 27.07 dBV/m	Grid 5 M4 29.11 dBV/m	Grid 6 M4 29.04 dBV/m
Grid 7 M4 27.94 dBV/m	Grid 8 M4 28.54 dBV/m	Grid 9 M4 28.36 dBV/m

Cursor:

Total = 30.58 dBV/m

E Category: M3

Location: -3.5, -25, 8.7 mm



0 dB = 33.82 V/m = 30.58 dBV/m

#16_HAC_E_CDMA BC1_ 1xRTT, RC1 SO3, 1/8th Rate_Ch25;LAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 3.862 V/m; Power Drift = 0.05 dB

Applied MIF = 3.26 dB

RF audio interference level = 18.50 dBV/m

Emission category: M4

MIF scaled E-field

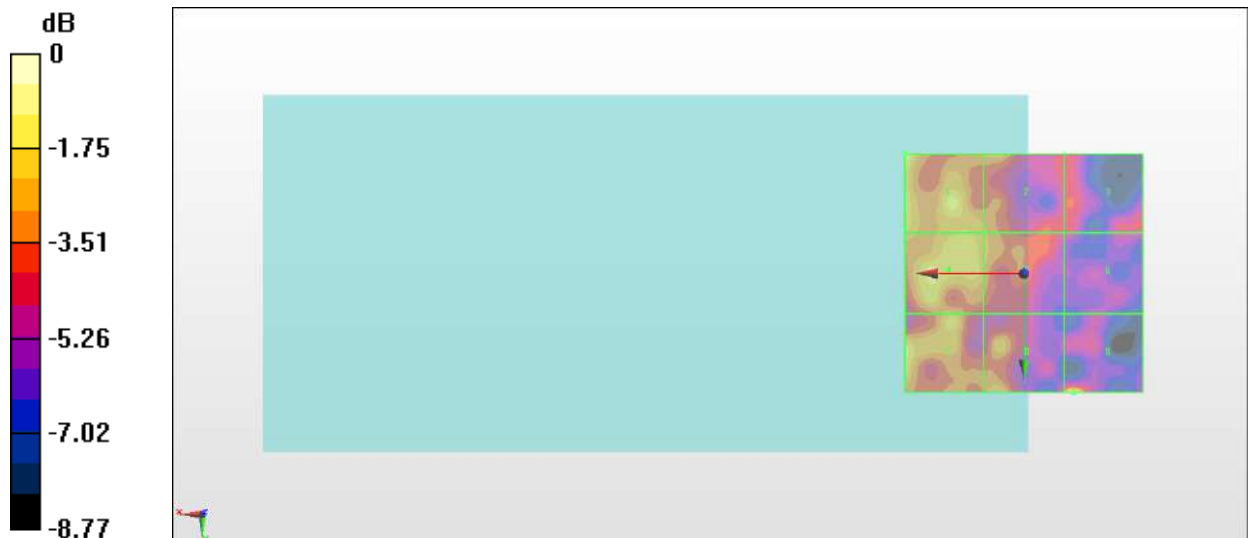
Grid 1 M4 17.89 dBV/m	Grid 2 M4 16.01 dBV/m	Grid 3 M4 14.55 dBV/m
Grid 4 M4 17.05 dBV/m	Grid 5 M4 15.93 dBV/m	Grid 6 M4 13.93 dBV/m
Grid 7 M4 17.22 dBV/m	Grid 8 M4 16.32 dBV/m	Grid 9 M4 18.5 dBV/m

Cursor:

Total = 18.50 dBV/m

E Category: M4

Location: -10.5, 25, 8.7 mm



0 dB = 8.415 V/m = 18.50 dBV/m

#17_HAC_E_CDMA BC1_ 1xRTT, RC1 SO3, 1/8th Rate_Ch600;LAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 14.18 V/m; Power Drift = -0.15 dB

Applied MIF = 3.26 dB

RF audio interference level = 25.82 dBV/m

Emission category: M4

MIF scaled E-field

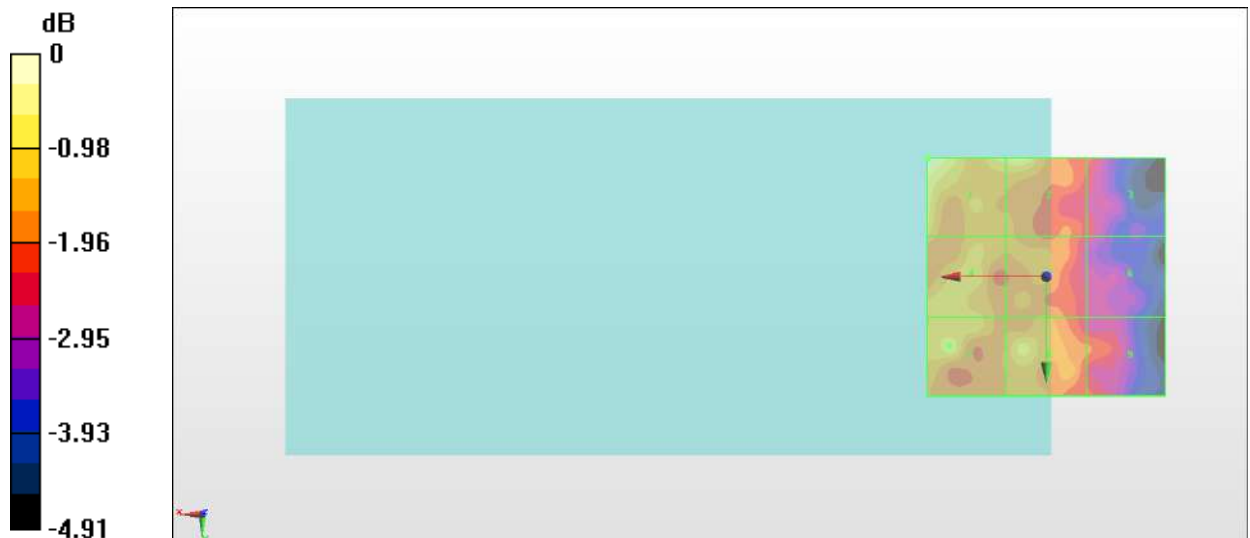
Grid 1 M4 25.82 dBV/m	Grid 2 M4 25.38 dBV/m	Grid 3 M4 23.71 dBV/m
Grid 4 M4 24.77 dBV/m	Grid 5 M4 24.35 dBV/m	Grid 6 M4 23.32 dBV/m
Grid 7 M4 25.03 dBV/m	Grid 8 M4 24.97 dBV/m	Grid 9 M4 23.92 dBV/m

Cursor:

Total = 25.82 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 19.54 V/m = 25.82 dBV/m

#18_HAC_E_CDMA BC1_ 1xRTT, RC1 SO3, 1/8th Rate_Ch1175;LAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 5.979 V/m; Power Drift = 0.06 dB

Applied MIF = 3.26 dB

RF audio interference level = 22.21 dBV/m

Emission category: M4

MIF scaled E-field

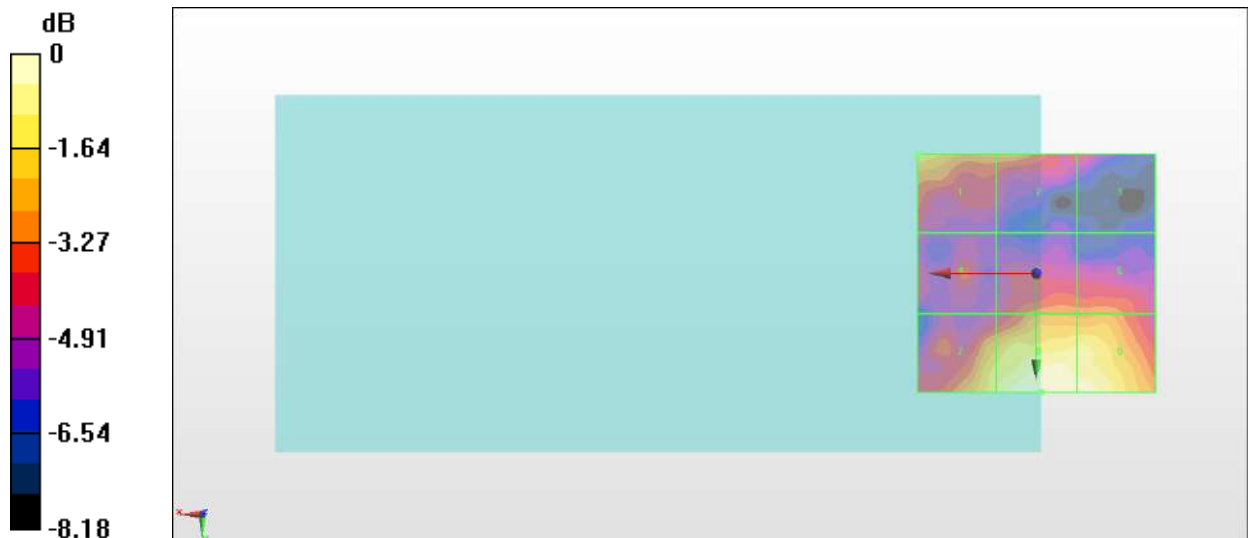
Grid 1 M4 20.65 dBV/m	Grid 2 M4 19.86 dBV/m	Grid 3 M4 18.31 dBV/m
Grid 4 M4 18.6 dBV/m	Grid 5 M4 19.43 dBV/m	Grid 6 M4 19.51 dBV/m
Grid 7 M4 21.1 dBV/m	Grid 8 M4 22.21 dBV/m	Grid 9 M4 22.19 dBV/m

Cursor:

Total = 22.21 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 12.90 V/m = 22.21 dBV/m

#19_HAC_E_CDMA BC10_ 1xRTT, RC1 SO3, 1/8th Rate_Ch476;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.9 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 817.9 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 17.91 V/m; Power Drift = 0.01 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.70 dBV/m

Emission category: M4

MIF scaled E-field

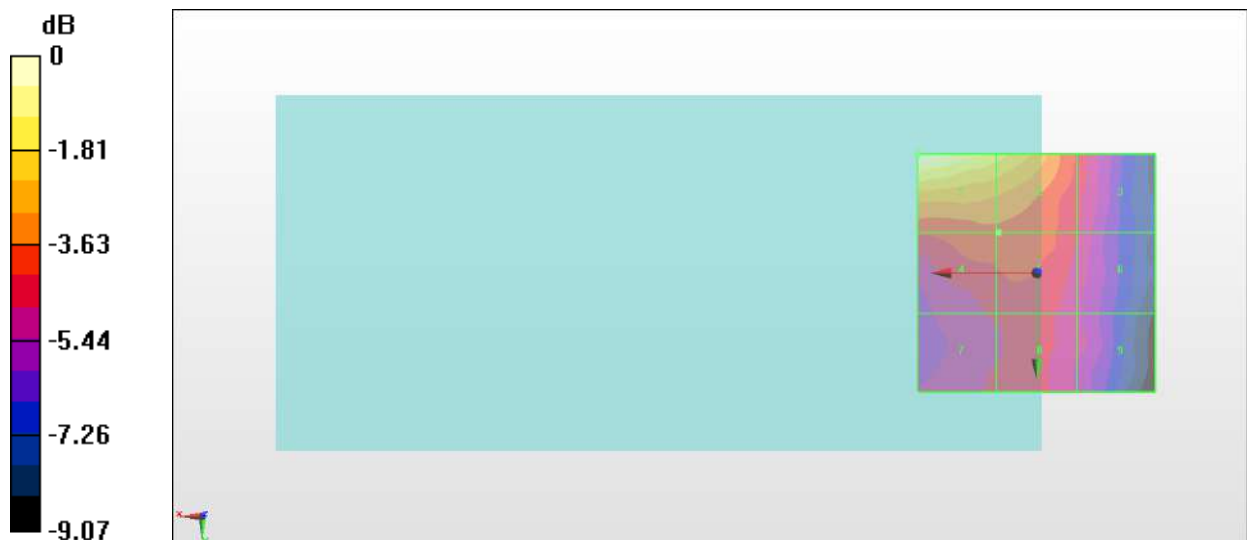
Grid 1 M4 29.7 dBV/m	Grid 2 M4 28.28 dBV/m	Grid 3 M4 25.4 dBV/m
Grid 4 M4 25.95 dBV/m	Grid 5 M4 25.95 dBV/m	Grid 6 M4 24.91 dBV/m
Grid 7 M4 24.98 dBV/m	Grid 8 M4 25.2 dBV/m	Grid 9 M4 24.54 dBV/m

Cursor:

Total = 29.70 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 30.55 V/m = 29.70 dBV/m

#20_HAC_E_CDMA BC10_ 1xRTT, RC1 SO3, 1/8th Rate_Ch580;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820.5 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 820.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 18.25 V/m; Power Drift = 0.06 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.56 dBV/m

Emission category: M4

MIF scaled E-field

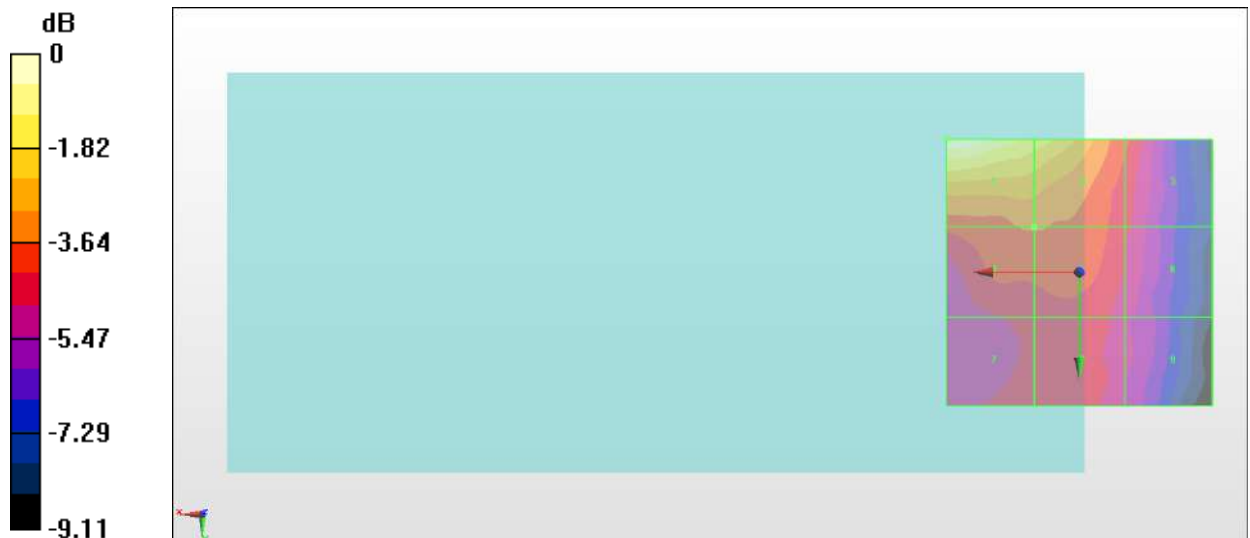
Grid 1 M4 29.56 dBV/m	Grid 2 M4 28.18 dBV/m	Grid 3 M4 25.56 dBV/m
Grid 4 M4 25.99 dBV/m	Grid 5 M4 25.99 dBV/m	Grid 6 M4 24.91 dBV/m
Grid 7 M4 24.99 dBV/m	Grid 8 M4 25.23 dBV/m	Grid 9 M4 24.34 dBV/m

Cursor:

Total = 29.56 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 30.06 V/m = 29.56 dBV/m

#21_HAC_E_CDMA BC10_ 1xRTT, RC1 SO3, 1/8th Rate_Ch684;UAT

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 823.1 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 823.1 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 18.00 V/m; Power Drift = -0.08 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.48 dBV/m

Emission category: M4

MIF scaled E-field

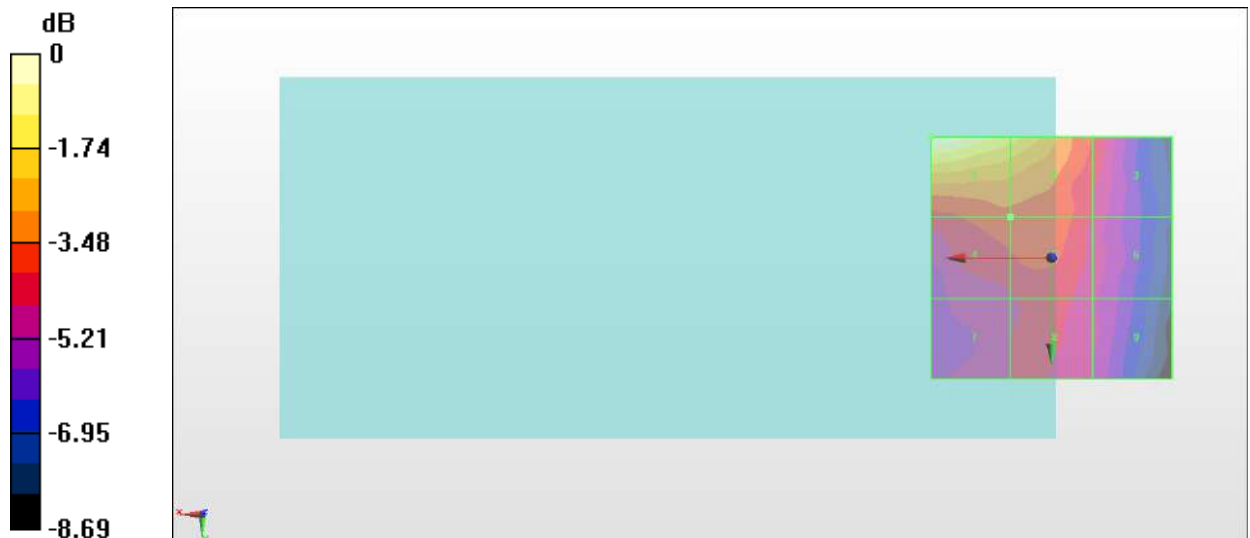
Grid 1 M4 29.48 dBV/m	Grid 2 M4 28.07 dBV/m	Grid 3 M4 25.46 dBV/m
Grid 4 M4 25.85 dBV/m	Grid 5 M4 25.85 dBV/m	Grid 6 M4 24.81 dBV/m
Grid 7 M4 24.86 dBV/m	Grid 8 M4 25.05 dBV/m	Grid 9 M4 24.46 dBV/m

Cursor:

Total = 29.48 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 29.80 V/m = 29.48 dBV/m

#22_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch39750;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.942 V/m; Power Drift = -0.19 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.75 dBV/m

Emission category: M4

MIF scaled E-field

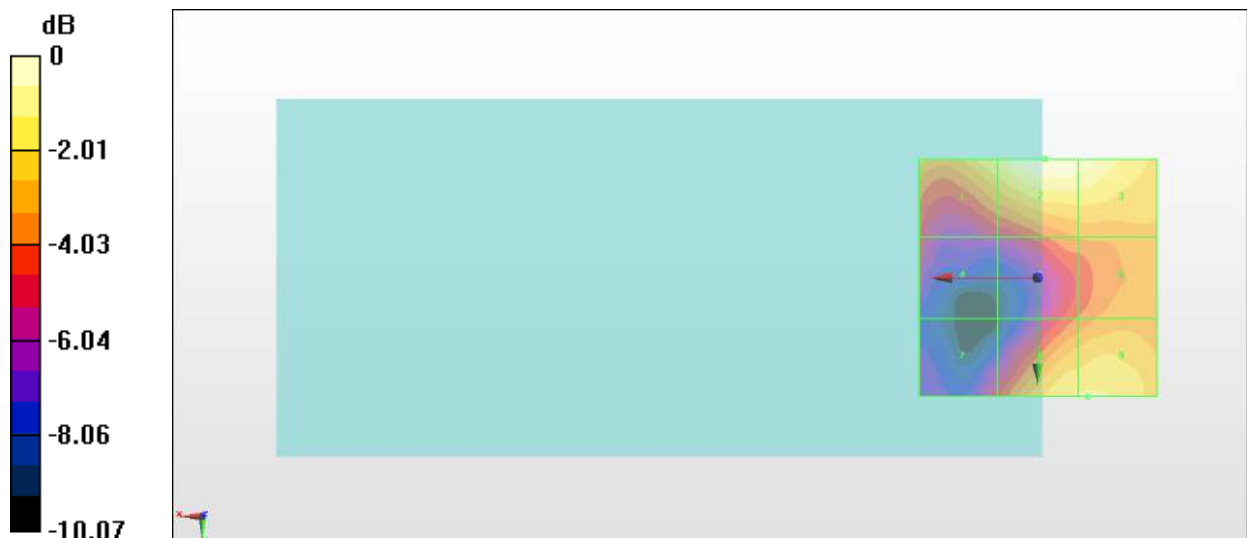
Grid 1 M4 21.74 dBV/m	Grid 2 M4 22.75 dBV/m	Grid 3 M4 22.49 dBV/m
Grid 4 M4 18.21 dBV/m	Grid 5 M4 19.43 dBV/m	Grid 6 M4 19.93 dBV/m
Grid 7 M4 17.95 dBV/m	Grid 8 M4 21.53 dBV/m	Grid 9 M4 21.58 dBV/m

Cursor:

Total = 22.75 dBV/m

E Category: M4

Location: -1.5, -25, 8.7 mm



0 dB = 13.72 V/m = 22.75 dBV/m

#23_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch40185;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 8.796 V/m; Power Drift = 0.02 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.03 dBV/m

Emission category: M4

MIF scaled E-field

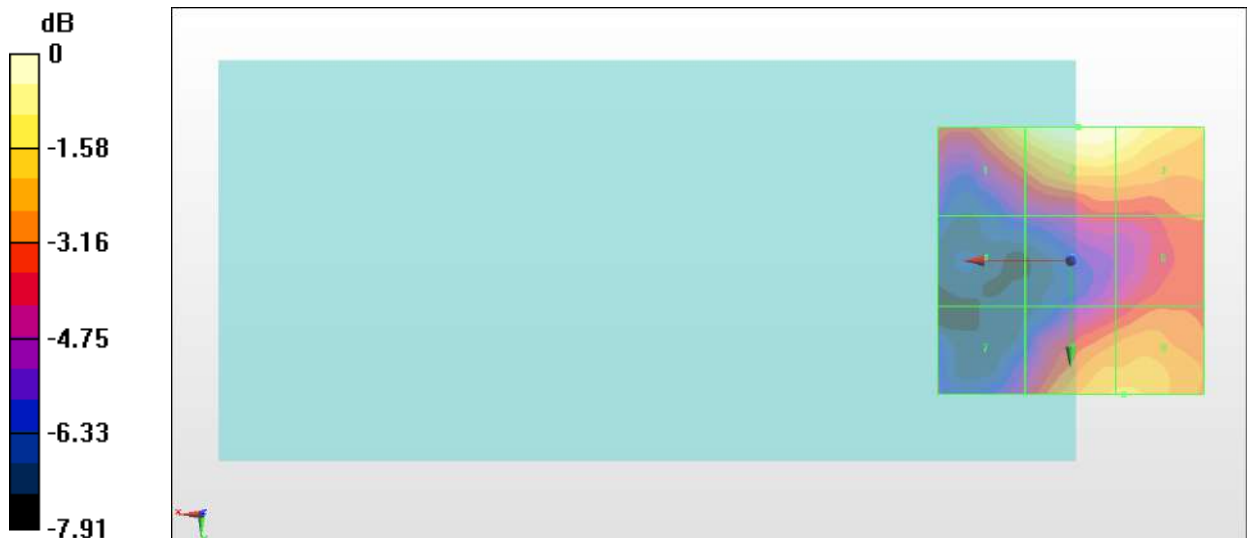
Grid 1 M4 22.17 dBV/m	Grid 2 M4 23.03 dBV/m	Grid 3 M4 22.77 dBV/m
Grid 4 M4 17.72 dBV/m	Grid 5 M4 19.2 dBV/m	Grid 6 M4 20 dBV/m
Grid 7 M4 18.58 dBV/m	Grid 8 M4 21.57 dBV/m	Grid 9 M4 21.63 dBV/m

Cursor:

Total = 23.03 dBV/m

E Category: M4

Location: -1.5, -25, 8.7 mm



0 dB = 14.17 V/m = 23.03 dBV/m

#24_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch40620;LAT

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Device E-Field measurement (E-field scan for ANSI C63.19-2007 & -2011 compliance)/E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.037 V/m; Power Drift = 0.17 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.13 dBV/m

Emission category: M4

MIF scaled E-field

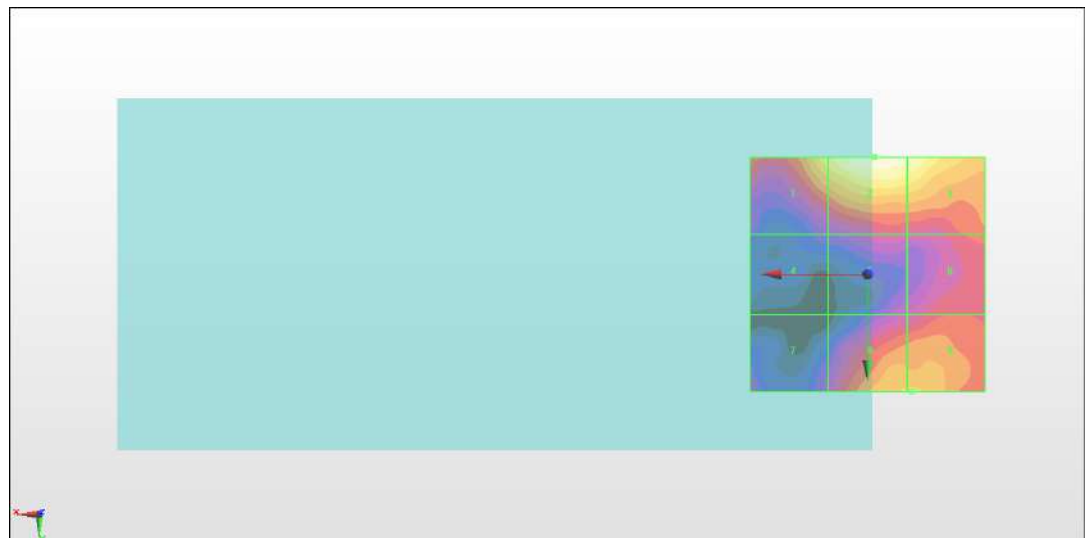
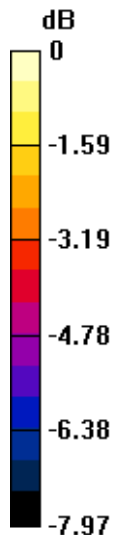
Grid 1 M4 22.04 dBV/m	Grid 2 M4 23.13 dBV/m	Grid 3 M4 22.8 dBV/m
Grid 4 M4 17.81 dBV/m	Grid 5 M4 18.9 dBV/m	Grid 6 M4 19.79 dBV/m
Grid 7 M4 18.13 dBV/m	Grid 8 M4 21.12 dBV/m	Grid 9 M4 21.14 dBV/m

Cursor:

Total = 23.13 dBV/m

E Category: M4

Location: -1.5, -25, 8.7 mm



0 dB = 14.34 V/m = 23.13 dBV/m

#25_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch41055;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.211 V/m; Power Drift = 0.08 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.77 dBV/m

Emission category: M4

MIF scaled E-field

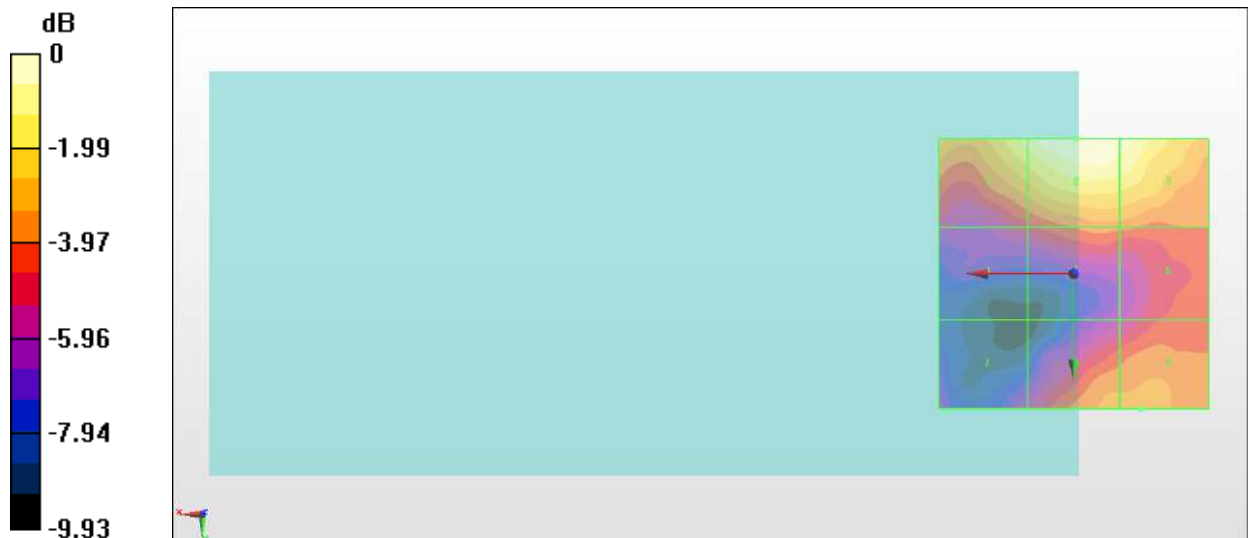
Grid 1 M4 22.89 dBV/m	Grid 2 M4 23.77 dBV/m	Grid 3 M4 23.45 dBV/m
Grid 4 M4 18.88 dBV/m	Grid 5 M4 20.12 dBV/m	Grid 6 M4 20 dBV/m
Grid 7 M4 18.12 dBV/m	Grid 8 M4 21.02 dBV/m	Grid 9 M4 21.17 dBV/m

Cursor:

Total = 23.77 dBV/m

E Category: M4

Location: -0.5, -25, 8.7 mm



0 dB = 15.43 V/m = 23.77 dBV/m

#26_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch41490;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 10.28 V/m; Power Drift = 0.08 dB

Applied MIF = -1.62 dB

RF audio interference level = 24.68 dBV/m

Emission category: M4

MIF scaled E-field

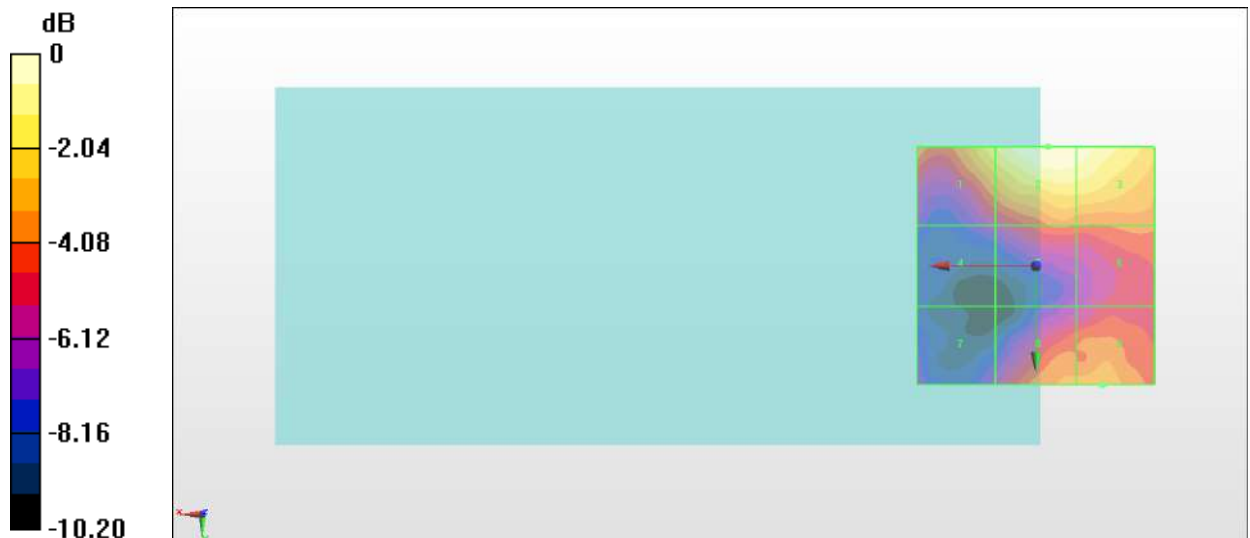
Grid 1 M4 23.36 dBV/m	Grid 2 M4 24.68 dBV/m	Grid 3 M4 24.47 dBV/m
Grid 4 M4 18.67 dBV/m	Grid 5 M4 20.84 dBV/m	Grid 6 M4 20.91 dBV/m
Grid 7 M4 18.39 dBV/m	Grid 8 M4 21.63 dBV/m	Grid 9 M4 22 dBV/m

Cursor:

Total = 24.68 dBV/m

E Category: M4

Location: -2.5, -25, 8.7 mm



0 dB = 17.14 V/m = 24.68 dBV/m

#27_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch39750;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 8.963 V/m; Power Drift = 0.15 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.97 dBV/m

Emission category: M4

MIF scaled E-field

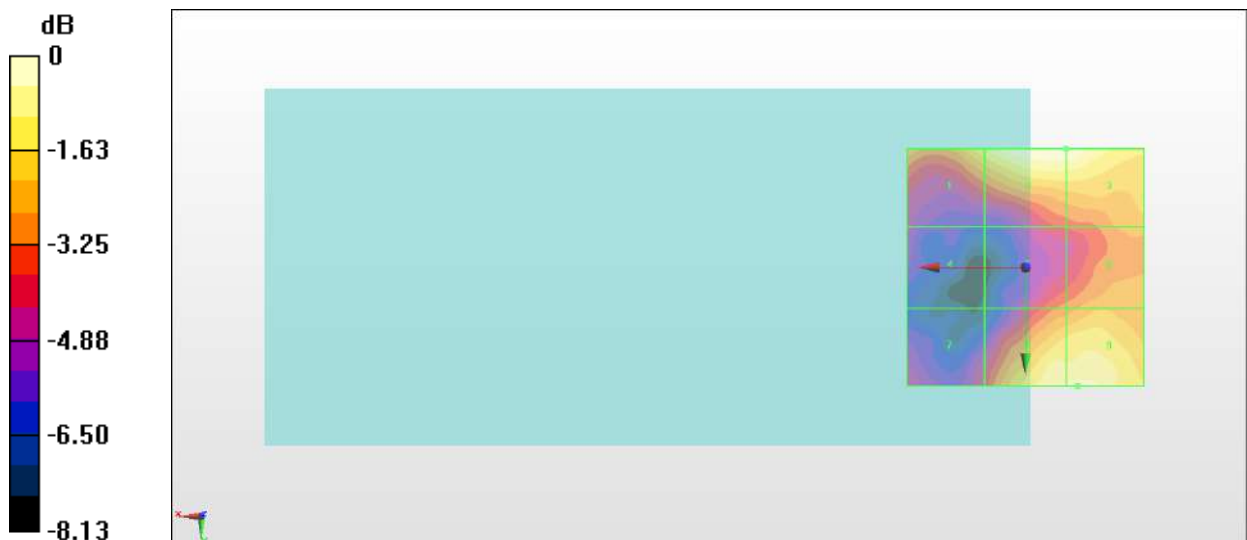
Grid 1 M4 21 dBV/m	Grid 2 M4 21.97 dBV/m	Grid 3 M4 21.97 dBV/m
Grid 4 M4 17.42 dBV/m	Grid 5 M4 18.96 dBV/m	Grid 6 M4 19.75 dBV/m
Grid 7 M4 17.96 dBV/m	Grid 8 M4 21.52 dBV/m	Grid 9 M4 21.6 dBV/m

Cursor:

Total = 21.97 dBV/m

E Category: M4

Location: -8.5, -25, 8.7 mm



0 dB = 12.55 V/m = 21.97 dBV/m

#28_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch40185;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 8.819 V/m; Power Drift = 0.08 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.67 dBV/m

Emission category: M4

MIF scaled E-field

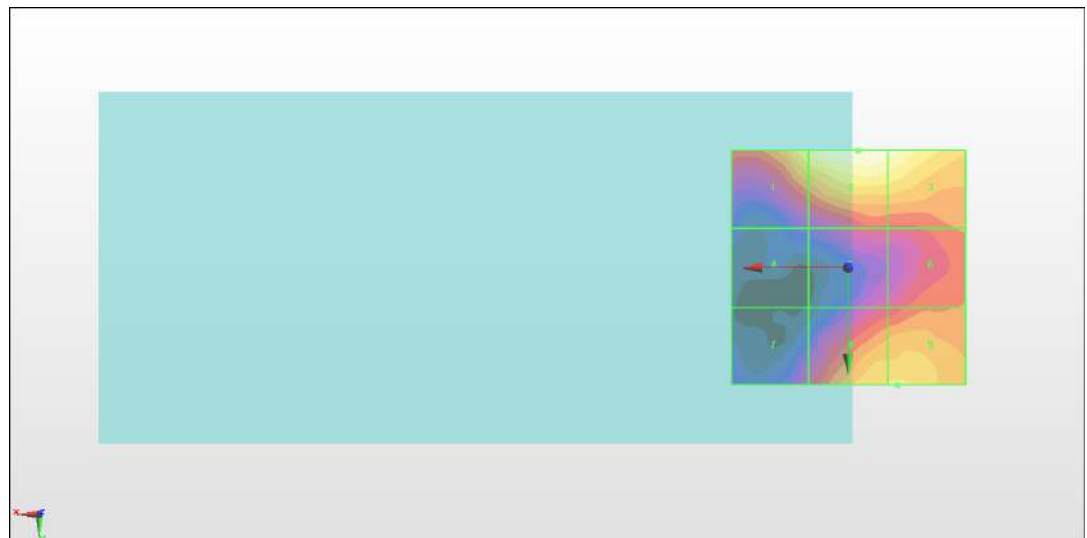
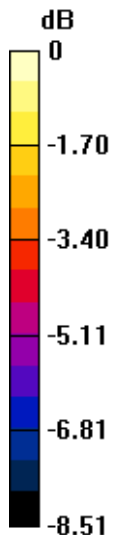
Grid 1 M4 22.71 dBV/m	Grid 2 M4 23.67 dBV/m	Grid 3 M4 23.36 dBV/m
Grid 4 M4 17.94 dBV/m	Grid 5 M4 19.58 dBV/m	Grid 6 M4 20.45 dBV/m
Grid 7 M4 18.81 dBV/m	Grid 8 M4 22.05 dBV/m	Grid 9 M4 22.09 dBV/m

Cursor:

Total = 23.67 dBV/m

E Category: M4

Location: -2, -25, 8.7 mm



0 dB = 15.26 V/m = 23.67 dBV/m

#29_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch40620;LAT

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.651 V/m; Power Drift = -0.12 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.69 dBV/m

Emission category: M4

MIF scaled E-field

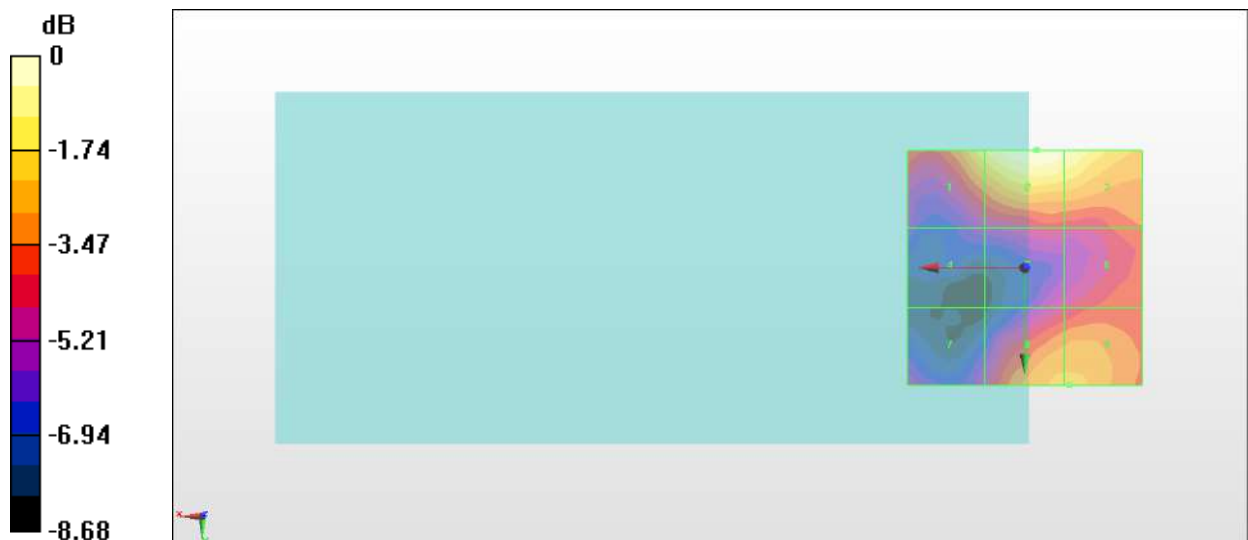
Grid 1 M4 22.57 dBV/m	Grid 2 M4 23.69 dBV/m	Grid 3 M4 23.35 dBV/m
Grid 4 M4 18.37 dBV/m	Grid 5 M4 19.35 dBV/m	Grid 6 M4 20.17 dBV/m
Grid 7 M4 18.59 dBV/m	Grid 8 M4 21.63 dBV/m	Grid 9 M4 21.66 dBV/m

Cursor:

Total = 23.69 dBV/m

E Category: M4

Location: -2.5, -25, 8.7 mm



0 dB = 15.29 V/m = 23.69 dBV/m

#30_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch41055;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.169 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.74 dBV/m

Emission category: M4

MIF scaled E-field

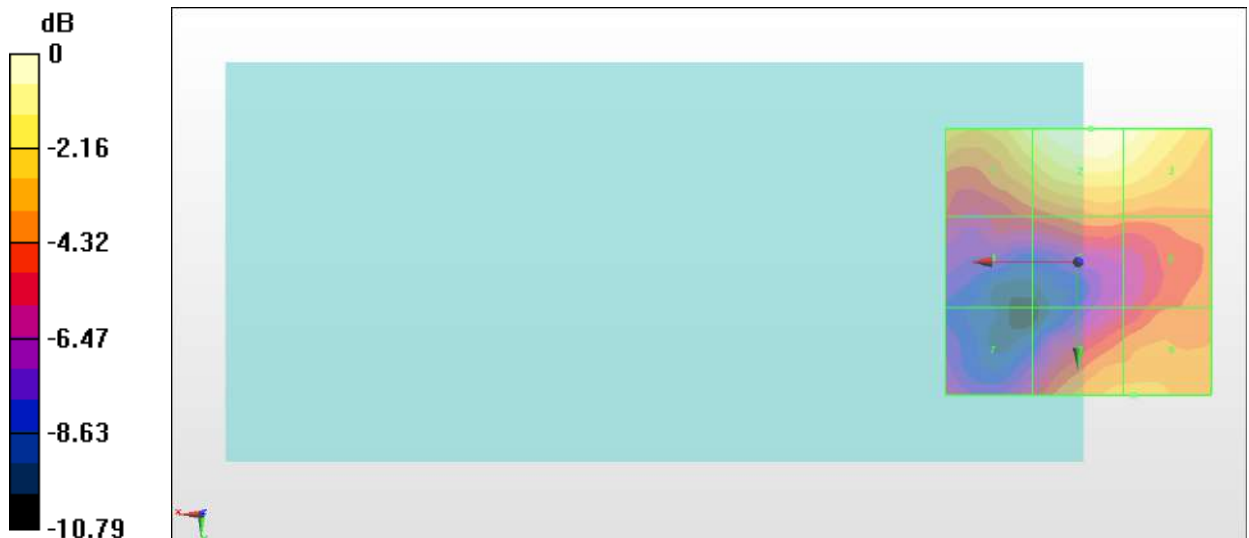
Grid 1 M4 22.78 dBV/m	Grid 2 M4 23.74 dBV/m	Grid 3 M4 23.5 dBV/m
Grid 4 M4 18.93 dBV/m	Grid 5 M4 20.06 dBV/m	Grid 6 M4 20 dBV/m
Grid 7 M4 18.06 dBV/m	Grid 8 M4 21.24 dBV/m	Grid 9 M4 21.29 dBV/m

Cursor:

Total = 23.74 dBV/m

E Category: M4

Location: -2.5, -25, 8.7 mm



0 dB = 15.38 V/m = 23.74 dBV/m

#31_HAC_E_LTE Band 41_20M_QPSK_1_99_Ch41490;LAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 9.153 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 24.50 dBV/m

Emission category: M4

MIF scaled E-field

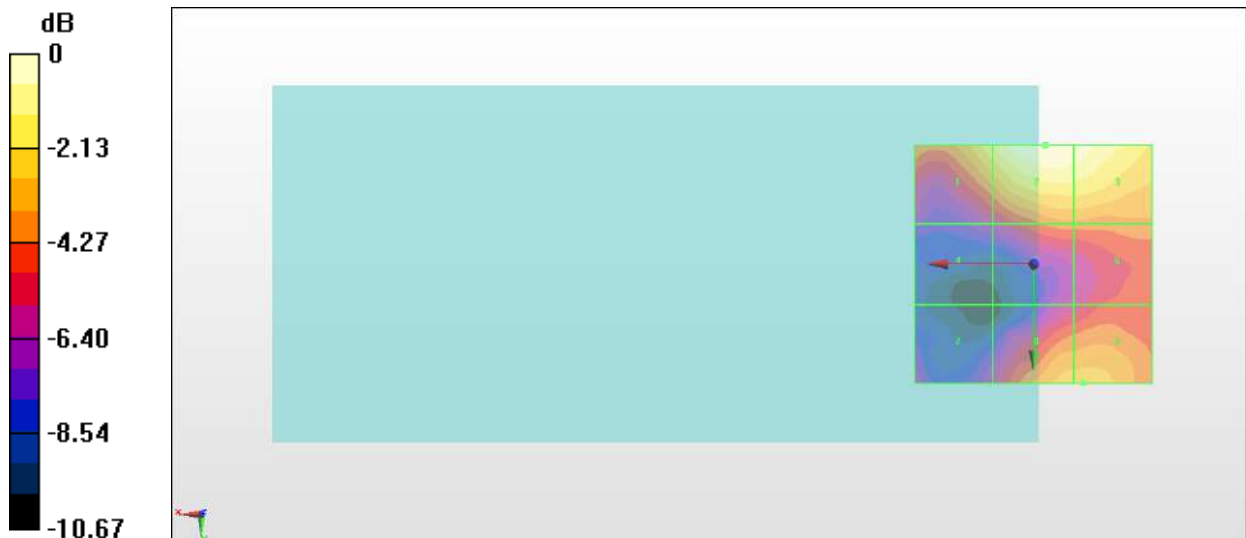
Grid 1 M4 23.13 dBV/m	Grid 2 M4 24.5 dBV/m	Grid 3 M4 24.34 dBV/m
Grid 4 M4 18.38 dBV/m	Grid 5 M4 20.69 dBV/m	Grid 6 M4 20.79 dBV/m
Grid 7 M4 18.31 dBV/m	Grid 8 M4 22.14 dBV/m	Grid 9 M4 22.18 dBV/m

Cursor:

Total = 24.50 dBV/m

E Category: M4

Location: -2.5, -25, 8.7 mm



0 dB = 16.79 V/m = 24.50 dBV/m

#32_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch39750;UAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 51.08 V/m; Power Drift = 0.05 dB

Applied MIF = -1.62 dB

RF audio interference level = 33.18 dBV/m

Emission category: M3

MIF scaled E-field

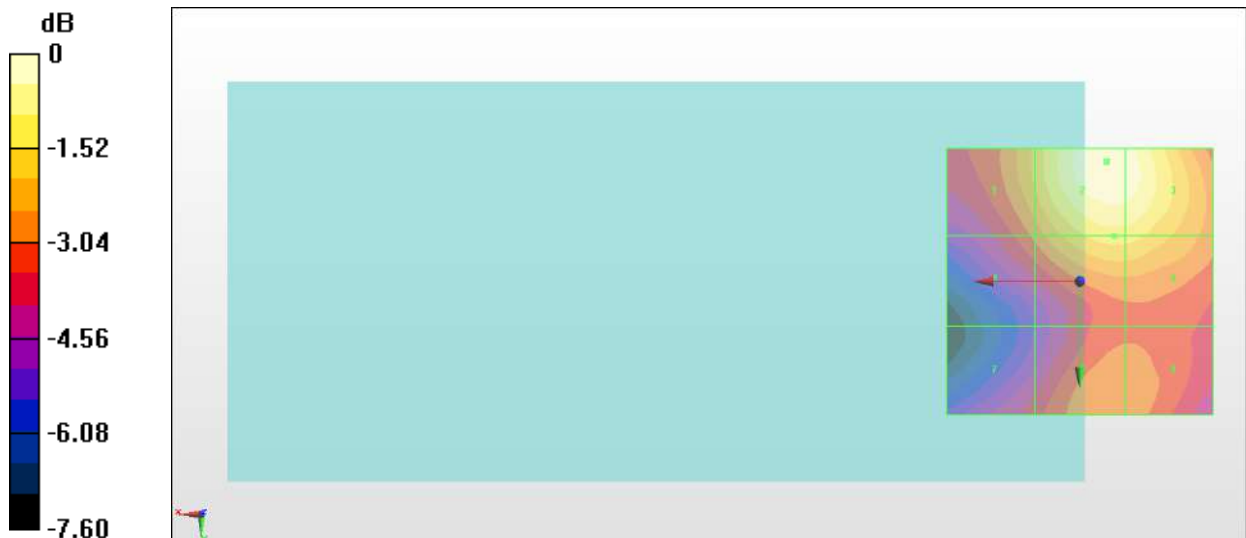
Grid 1 M3 31.3 dBV/m	Grid 2 M3 33.18 dBV/m	Grid 3 M3 33.01 dBV/m
Grid 4 M3 30.28 dBV/m	Grid 5 M3 31.93 dBV/m	Grid 6 M3 31.9 dBV/m
Grid 7 M4 29.45 dBV/m	Grid 8 M3 30.63 dBV/m	Grid 9 M3 30.56 dBV/m

Cursor:

Total = 33.18 dBV/m

E Category: M3

Location: -5, -22.5, 8.7 mm



0 dB = 45.61 V/m = 33.18 dBV/m

#33_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40185;UAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 52.73 V/m; Power Drift = 0.02 dB

Applied MIF = -1.62 dB

RF audio interference level = 33.36 dBV/m

Emission category: M3

MIF scaled E-field

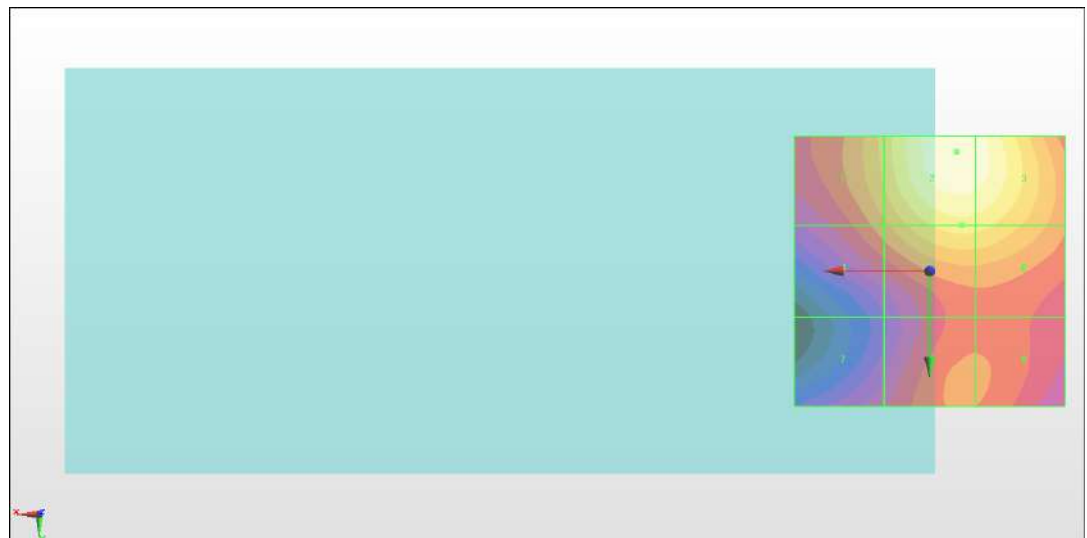
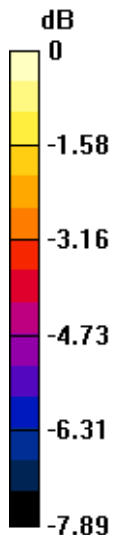
Grid 1 M3 31.46 dBV/m	Grid 2 M3 33.36 dBV/m	Grid 3 M3 33.17 dBV/m
Grid 4 M3 30.59 dBV/m	Grid 5 M3 32.07 dBV/m	Grid 6 M3 32.01 dBV/m
Grid 7 M4 29.06 dBV/m	Grid 8 M3 30.37 dBV/m	Grid 9 M3 30.32 dBV/m

Cursor:

Total = 33.36 dBV/m

E Category: M3

Location: -5, -22, 8.7 mm



0 dB = 46.58 V/m = 33.36 dBV/m

#34_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40620;UAT

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 55.04 V/m; Power Drift = 0.04 dB

Applied MIF = -1.62 dB

RF audio interference level = 33.05 dBV/m

Emission category: M3

MIF scaled E-field

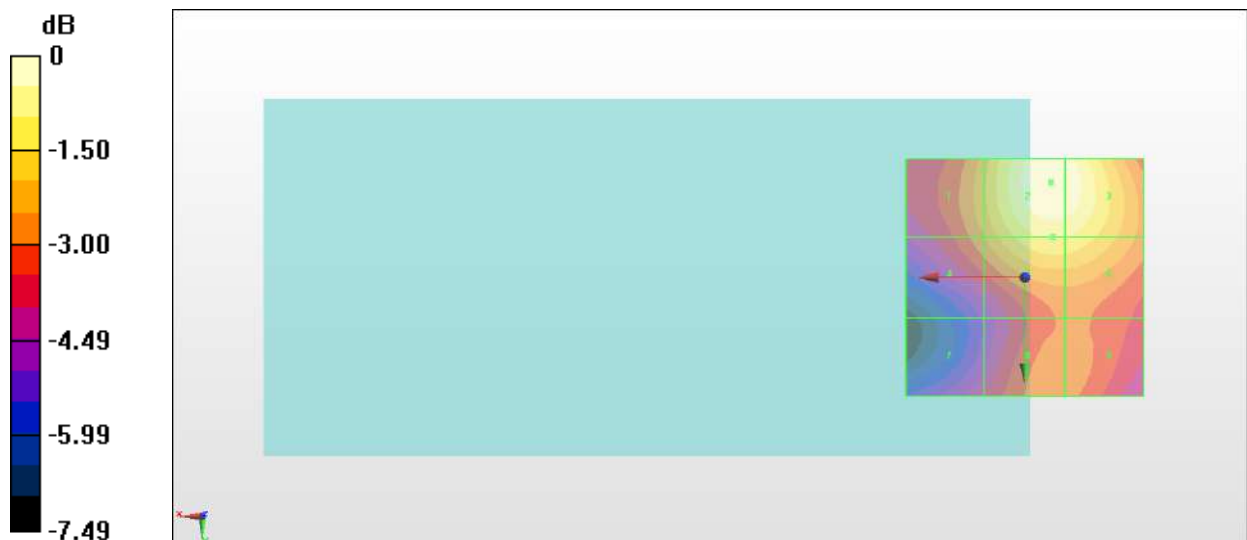
Grid 1 M3 31.01 dBV/m	Grid 2 M3 33.05 dBV/m	Grid 3 M3 32.94 dBV/m
Grid 4 M3 30.56 dBV/m	Grid 5 M3 32.13 dBV/m	Grid 6 M3 32.08 dBV/m
Grid 7 M4 29.06 dBV/m	Grid 8 M3 30.4 dBV/m	Grid 9 M3 30.36 dBV/m

Cursor:

Total = 33.05 dBV/m

E Category: M3

Location: -5.5, -20, 8.7 mm



0 dB = 44.94 V/m = 33.05 dBV/m

#35_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch41055;UAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 49.90 V/m; Power Drift = 0.00 dB

Applied MIF = -1.62 dB

RF audio interference level = 32.03 dBV/m

Emission category: M3

MIF scaled E-field

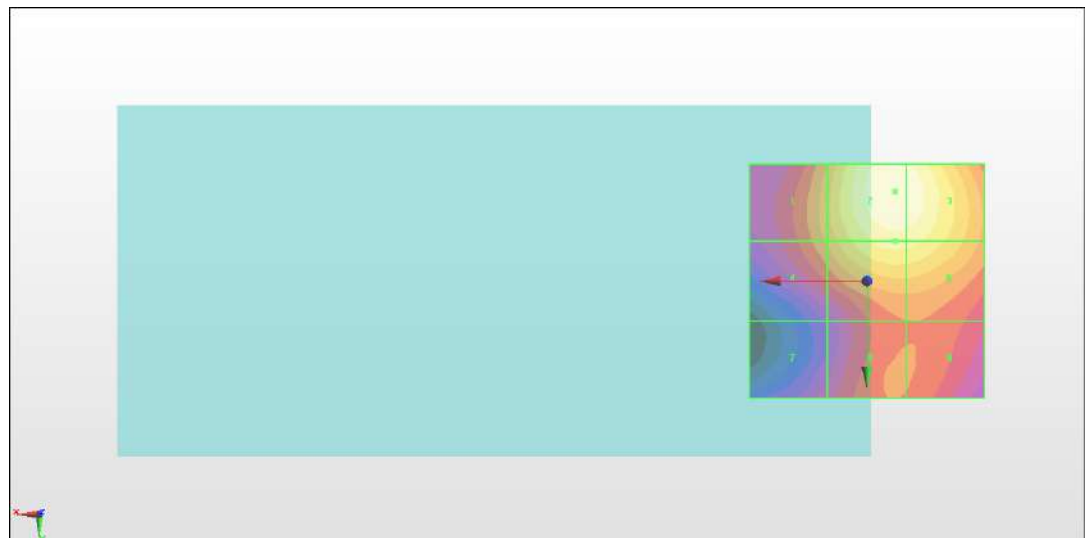
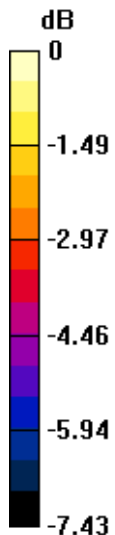
Grid 1 M4 29.93 dBV/m	Grid 2 M3 32.03 dBV/m	Grid 3 M3 31.93 dBV/m
Grid 4 M4 29.64 dBV/m	Grid 5 M3 31.29 dBV/m	Grid 6 M3 31.24 dBV/m
Grid 7 M4 27.91 dBV/m	Grid 8 M4 29.16 dBV/m	Grid 9 M4 29.12 dBV/m

Cursor:

Total = 32.03 dBV/m

E Category: M3

Location: -6, -19, 8.7 mm



0 dB = 39.95 V/m = 32.03 dBV/m

#36_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch41490;UAT

Communication System: 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 : 23.5 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn914; Calibrated: 2019/6/20
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

E Scan - ER3D: 15 mm from Probe Center to the Device/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 = 49.61 V/m; Power Drift = 0.07 dB

Applied MIF = -1.62 dB

RF audio interference level = 32.01 dBV/m

Emission category: M3

MIF scaled E-field

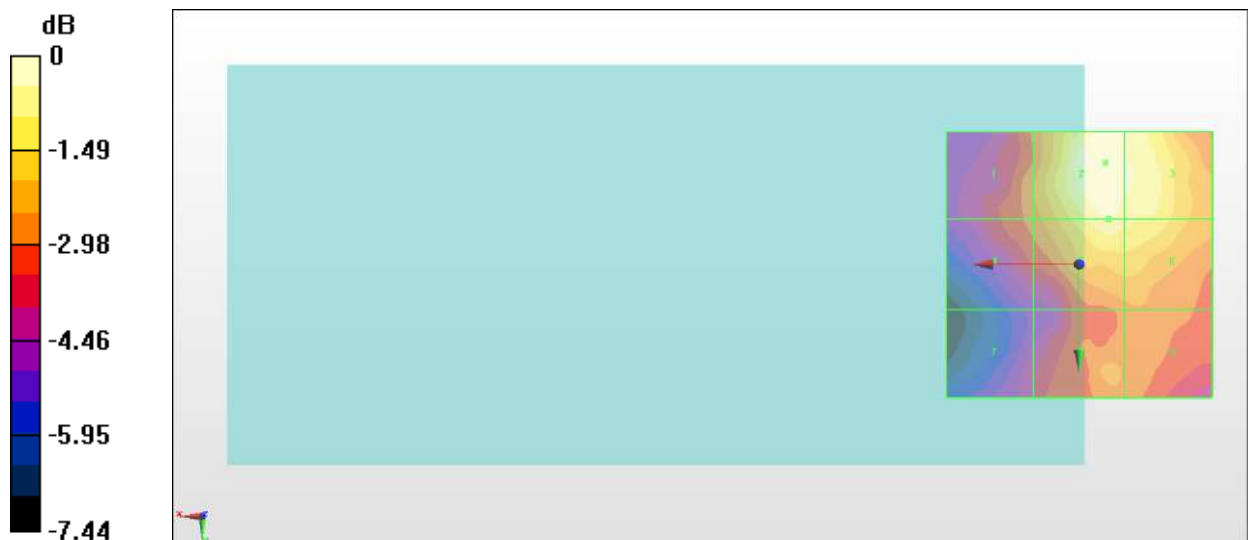
Grid 1 M4 29.56 dBV/m	Grid 2 M3 32.01 dBV/m	Grid 3 M3 31.69 dBV/m
Grid 4 M4 29.33 dBV/m	Grid 5 M3 31.48 dBV/m	Grid 6 M3 31.19 dBV/m
Grid 7 M4 28.03 dBV/m	Grid 8 M4 29.65 dBV/m	Grid 9 M4 29.51 dBV/m

Cursor:

Total = 32.01 dBV/m

E Category: M3

Location: -5, -19, 8.7 mm



0 dB = 39.87 V/m = 32.01 dBV/m