

#01_HAC_E_GSM850_GSM Voice_Ch128

Communication System: 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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 45.71 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.24 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.84 dBV/m	Grid 2 M4 34.01 dBV/m	Grid 3 M4 33.97 dBV/m
Grid 4 M4 33.18 dBV/m	Grid 5 M4 34.24 dBV/m	Grid 6 M4 34.14 dBV/m
Grid 7 M4 33.38 dBV/m	Grid 8 M4 34.2 dBV/m	Grid 9 M4 34.1 dBV/m

Cursor:

Total = 34.24 dBV/m

E Category: M4

Location: -5, 4.5, 8.7 mm



#02_HAC_E_GSM850_GSM Voice_Ch189

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 41.54 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.42 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.24 dBV/m	Grid 2 M4 33.26 dBV/m	Grid 3 M4 33.24 dBV/m
Grid 4 M4 32.27 dBV/m	Grid 5 M4 33.42 dBV/m	Grid 6 M4 33.36 dBV/m
Grid 7 M4 32.33 dBV/m	Grid 8 M4 33.36 dBV/m	Grid 9 M4 33.3 dBV/m

Cursor:

Total = 33.42 dBV/m

E Category: M4

Location: -5.5, 1.5, 8.7 mm



#03_HAC_E_GSM850_GSM Voice_Ch251

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 36.39 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.44 dBV/m

Emission category: M4

MIF scaled E-field

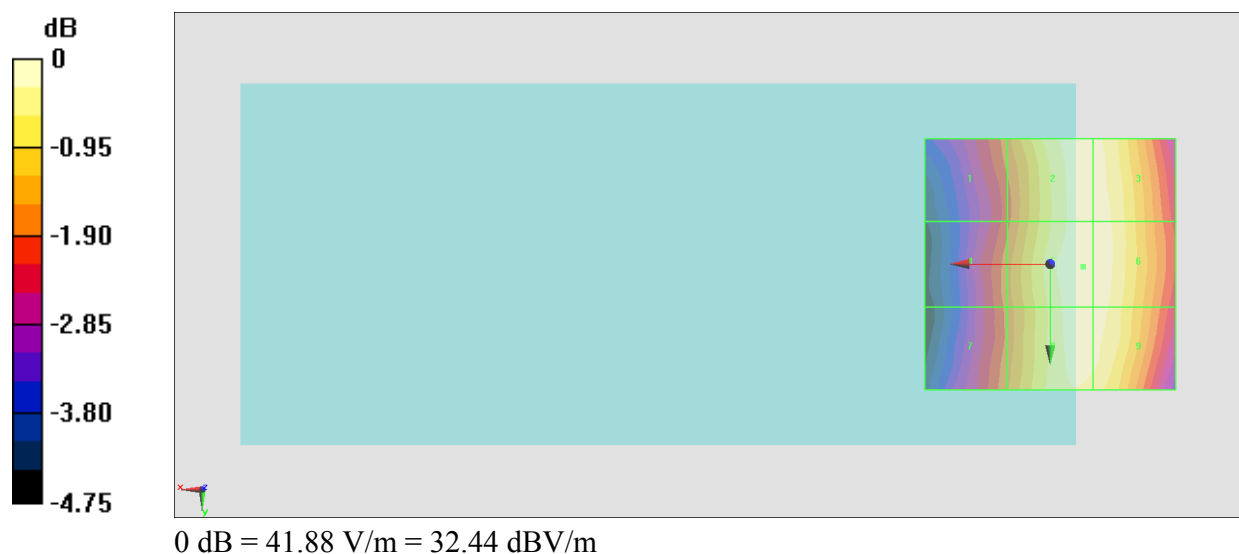
Grid 1 M4 30.76 dBV/m	Grid 2 M4 32.33 dBV/m	Grid 3 M4 32.33 dBV/m
Grid 4 M4 30.77 dBV/m	Grid 5 M4 32.44 dBV/m	Grid 6 M4 32.4 dBV/m
Grid 7 M4 30.83 dBV/m	Grid 8 M4 32.36 dBV/m	Grid 9 M4 32.32 dBV/m

Cursor:

Total = 32.44 dBV/m

E Category: M4

Location: -6.5, 0.5, 8.7 mm



#04_HAC_E_GSM1900_GSM Voice_Ch512

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 7.826 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 22.60 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 19.52 dBV/m	Grid 2 M4 19.67 dBV/m	Grid 3 M4 18.94 dBV/m
Grid 4 M4 19.02 dBV/m	Grid 5 M4 21.21 dBV/m	Grid 6 M4 21.15 dBV/m
Grid 7 M4 20.11 dBV/m	Grid 8 M4 22.47 dBV/m	Grid 9 M4 22.6 dBV/m

Cursor:

Total = 22.60 dBV/m

E Category: M4

Location: -14, 25, 8.7 mm



#05_HAC_E_GSM1900_GSM Voice_Ch661

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 7.280 V/m; Power Drift = 0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 21.29 dBV/m

Emission category: M4

MIF scaled E-field

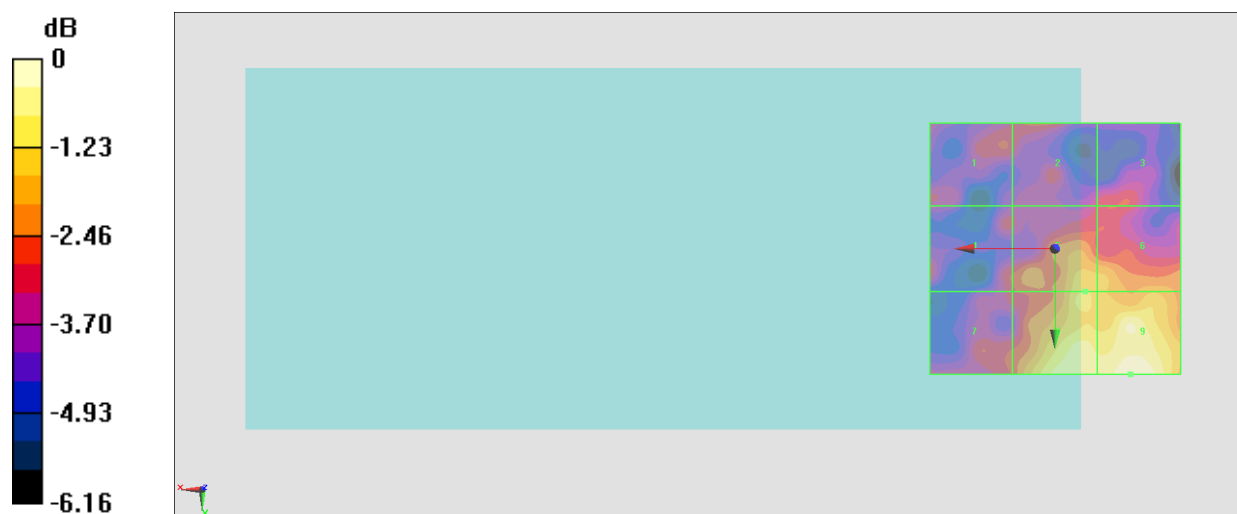
Grid 1 M4 18.47 dBV/m	Grid 2 M4 18.66 dBV/m	Grid 3 M4 18.46 dBV/m
Grid 4 M4 18.5 dBV/m	Grid 5 M4 20.09 dBV/m	Grid 6 M4 19.85 dBV/m
Grid 7 M4 18.61 dBV/m	Grid 8 M4 20.76 dBV/m	Grid 9 M4 21.29 dBV/m

Cursor:

Total = 21.29 dBV/m

E Category: M4

Location: -15, 25, 8.7 mm



0 dB = 11.59 V/m = 21.28 dBV/m

#06_HAC_E_GSM1900_GSM Voice_Ch810

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 7.211 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 20.78 dBV/m

Emission category: M4

MIF scaled E-field

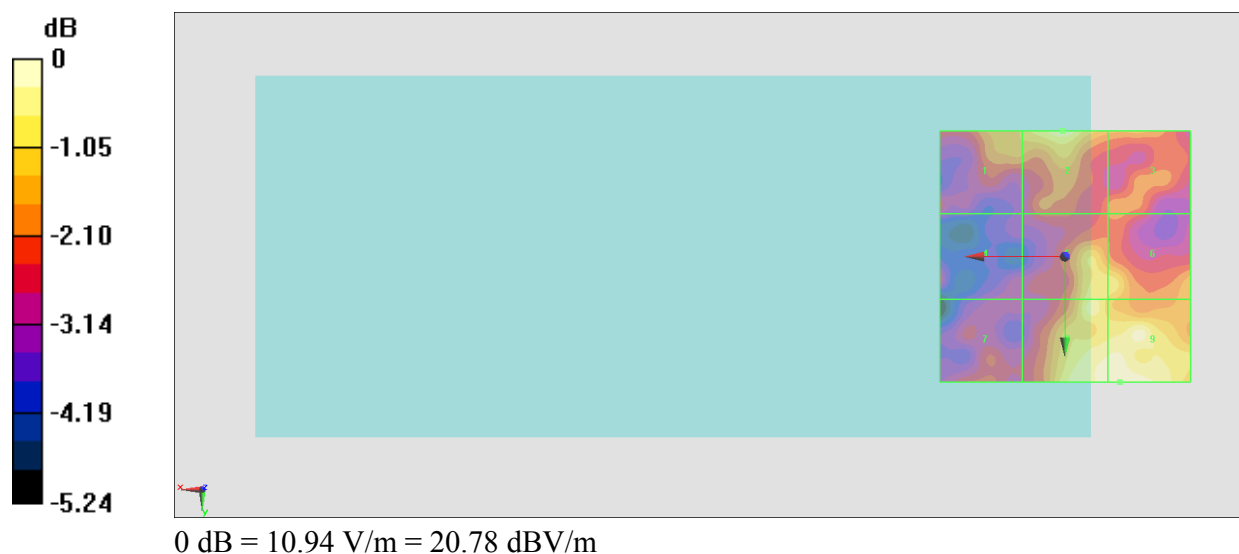
Grid 1 M4 19.47 dBV/m	Grid 2 M4 20.45 dBV/m	Grid 3 M4 19.26 dBV/m
Grid 4 M4 18.03 dBV/m	Grid 5 M4 20.12 dBV/m	Grid 6 M4 19.97 dBV/m
Grid 7 M4 18.45 dBV/m	Grid 8 M4 20.69 dBV/m	Grid 9 M4 20.78 dBV/m

Cursor:

Total = 20.78 dBV/m

E Category: M4

Location: -11, 25, 8.7 mm



#07_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch39750

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 9.262 V/m; Power Drift = -0.09 dB

Applied MIF = -1.62 dB

RF audio interference level = 17.70 dBV/m

Emission category: M4

MIF scaled E-field

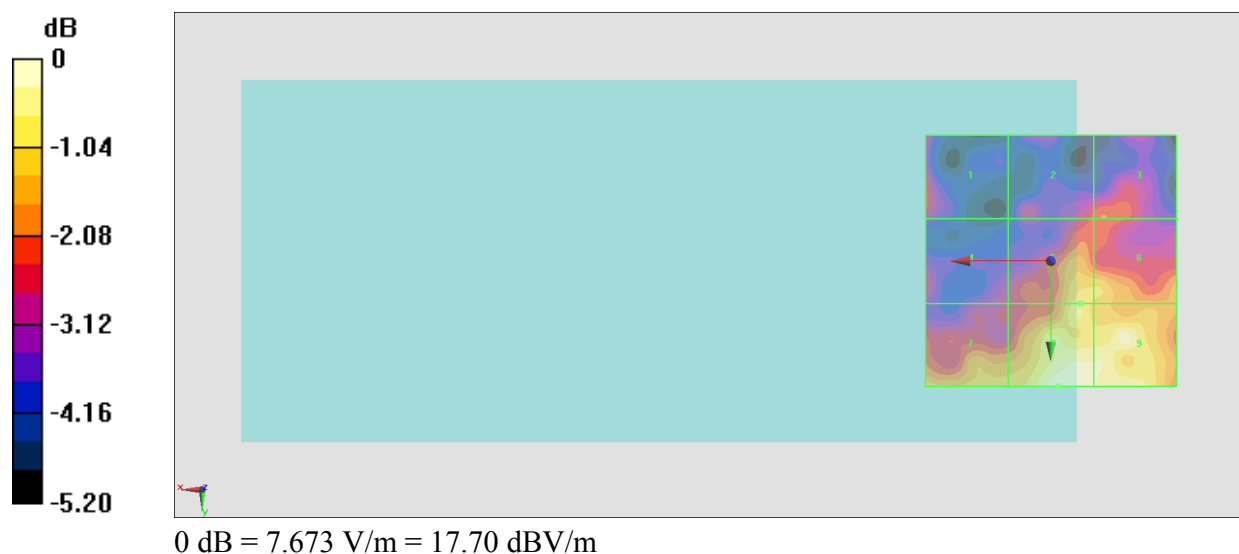
Grid 1 M4 15.64 dBV/m	Grid 2 M4 15.44 dBV/m	Grid 3 M4 15.65 dBV/m
Grid 4 M4 15.33 dBV/m	Grid 5 M4 16.89 dBV/m	Grid 6 M4 16.74 dBV/m
Grid 7 M4 16.72 dBV/m	Grid 8 M4 17.7 dBV/m	Grid 9 M4 17.51 dBV/m

Cursor:

Total = 17.70 dBV/m

E Category: M4

Location: -1.5, 25, 8.7 mm



#08_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40185

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 7.872 V/m; Power Drift = 0.07 dB

Applied MIF = -1.62 dB

RF audio interference level = 17.65 dBV/m

Emission category: M4

MIF scaled E-field

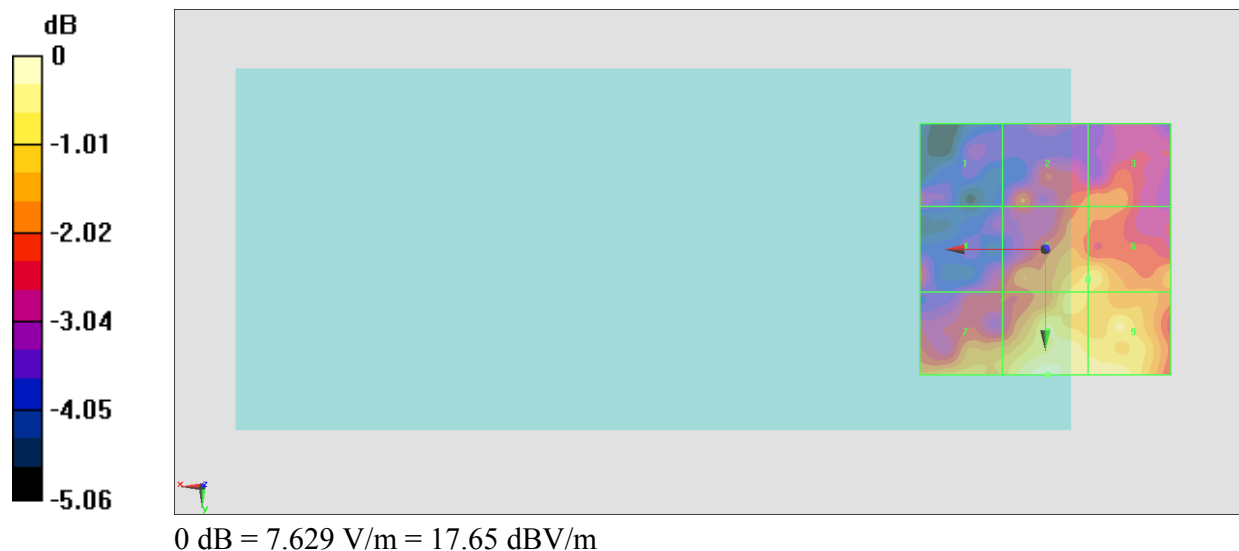
Grid 1 M4 14.71 dBV/m	Grid 2 M4 15.84 dBV/m	Grid 3 M4 15.97 dBV/m
Grid 4 M4 15.63 dBV/m	Grid 5 M4 16.82 dBV/m	Grid 6 M4 16.88 dBV/m
Grid 7 M4 16.52 dBV/m	Grid 8 M4 17.65 dBV/m	Grid 9 M4 17.36 dBV/m

Cursor:

Total = 17.65 dBV/m

E Category: M4

Location: -0.5, 25, 8.7 mm



#09_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40620

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2593 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 8.292 V/m; Power Drift = -0.10 dB

Applied MIF = -1.62 dB

RF audio interference level = 17.22 dBV/m

Emission category: M4

MIF scaled E-field

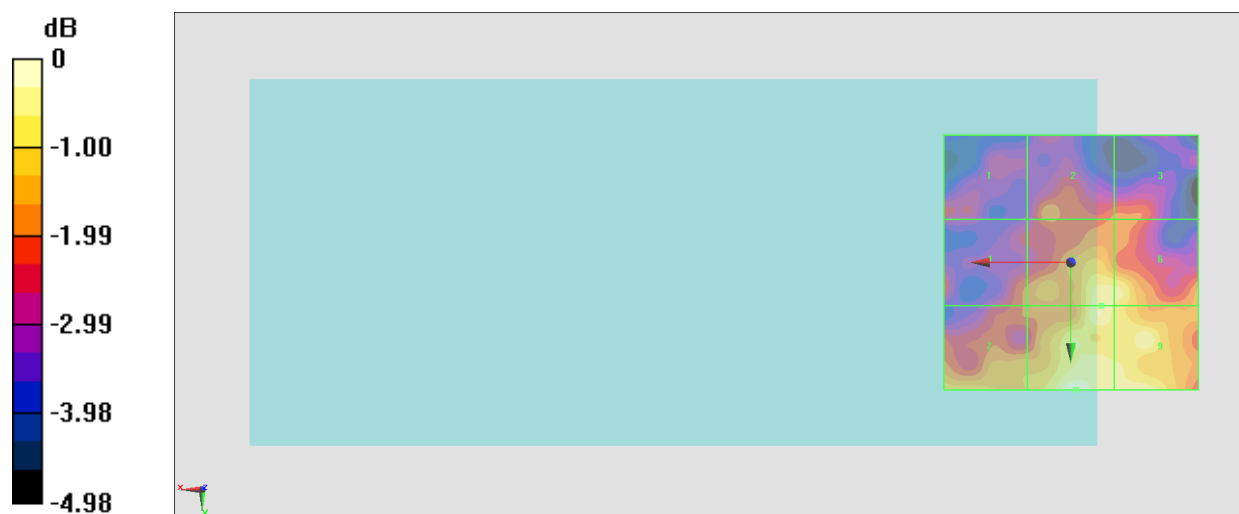
Grid 1 M4 14.72 dBV/m	Grid 2 M4 15.5 dBV/m	Grid 3 M4 15.41 dBV/m
Grid 4 M4 15.39 dBV/m	Grid 5 M4 16.84 dBV/m	Grid 6 M4 16.72 dBV/m
Grid 7 M4 16.31 dBV/m	Grid 8 M4 17.22 dBV/m	Grid 9 M4 16.86 dBV/m

Cursor:

Total = 17.22 dBV/m

E Category: M4

Location: -1, 25, 8.7 mm



0 dB = 7.264 V/m = 17.22 dBV/m

#10_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch41055

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 7.348 V/m; Power Drift = 0.05 dB

Applied MIF = -1.62 dB

RF audio interference level = 16.46 dBV/m

Emission category: M4

MIF scaled E-field

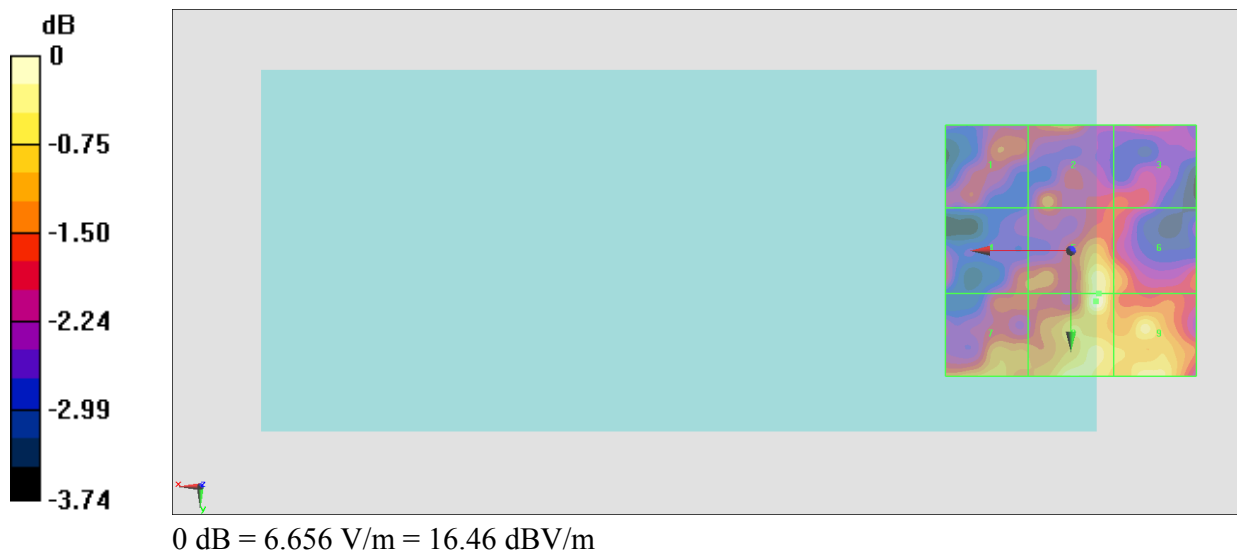
Grid 1 M4 15 dBV/m	Grid 2 M4 15.3 dBV/m	Grid 3 M4 14.87 dBV/m
Grid 4 M4 15.02 dBV/m	Grid 5 M4 16.27 dBV/m	Grid 6 M4 15.55 dBV/m
Grid 7 M4 15.68 dBV/m	Grid 8 M4 16.46 dBV/m	Grid 9 M4 16.18 dBV/m

Cursor:

Total = 16.46 dBV/m

E Category: M4

Location: -5, 10, 8.7 mm



#11_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch41490

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 : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

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 = 6.117 V/m; Power Drift = 0.18 dB

Applied MIF = -1.62 dB

RF audio interference level = 15.62 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 14.9 dBV/m	Grid 2 M4 15.12 dBV/m	Grid 3 M4 14.83 dBV/m
Grid 4 M4 14.85 dBV/m	Grid 5 M4 14.77 dBV/m	Grid 6 M4 14.73 dBV/m
Grid 7 M4 15.61 dBV/m	Grid 8 M4 15.62 dBV/m	Grid 9 M4 14.56 dBV/m

Cursor:

Total = 15.62 dBV/m

E Category: M4

Location: 1, 25, 8.7 mm

