#01_HAC_E_GSM850_GSM Voice_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Date: 2017/8/8

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 59.80 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.04 dBV/m

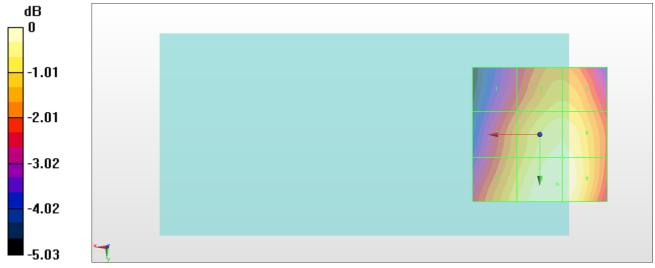
Emission category: M4

MIF scaled E-field

Grid 1 M4 36.08 dBV/m	Grid 3 M4 37.24 dBV/m
Grid 4 M4 36.77 dBV/m	Grid 6 M4 37.85 dBV/m
Grid 7 M4 37.37 dBV/m	Grid 9 M4 38.02 dBV/m

Cursor:

Total = 38.04 dBV/m E Category: M4 Location: -6.5, 18.5, 8.7 mm



0 dB = 79.76 V/m = 38.04 dBV/m

#02_HAC_E_GSM850_GSM Voice_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Date: 2017/8/8

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 58.39 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.77 dBV/m

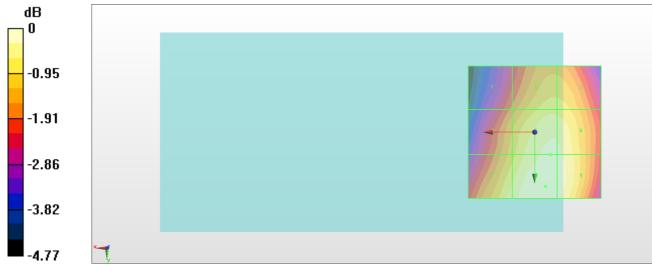
Emission category: M4

MIF scaled E-field

Grid 1 M4 35.99 dBV/m		Grid 3 M4 37.04 dBV/m
	Grid 5 M4 37.55 dBV/m	Grid 6 M4 37.53 dBV/m
Grid 7 M4 37.31 dBV/m		Grid 9 M4 37.65 dBV/m

Cursor:

Total = 37.77 dBV/m E Category: M4 Location: -4, 20.5, 8.7 mm



0 dB = 77.32 V/m = 37.77 dBV/m

#03_HAC_E_GSM850_GSM Voice_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Date: 2017/8/8

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 48.69 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.34 dBV/m

Emission category: M4

MIF scaled E-field

		Grid 3 M4
34.06 dBV/m	35.62 dBV/m	35.63 aBV/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
34.97 dBV/m	36.12 dBV/m	36.12 dBV/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
35.64 dBV/m	36.34 dBV/m	36.27 dBV/m

Cursor:

Total = 36.34 dBV/m E Category: M4 Location: -4, 22.5, 8.7 mm



0 dB = 65.58 V/m = 36.34 dBV/m

#04 HAC E GSM1900 GSM Voice Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Date: 2017/8/8

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 11.05 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.63 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.61 dBV/m		Grid 3 M3 32.59 dBV/m
	Grid 5 M4	Grid 6 M4
Grid 7 M4 26.76 dBV/m		Grid 9 M4 27.31 dBV/m

Cursor:

Total = 32.63 dBV/m E Category: M3 Location: -6, -25, 8.7 mm



0 dB = 42.79 V/m = 32.63 dBV/m

#05_HAC_E_GSM1900_GSM Voice_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Date: 2017/8/8

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 12.77 V/m; Power Drift = 0.16 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.20 dBV/m

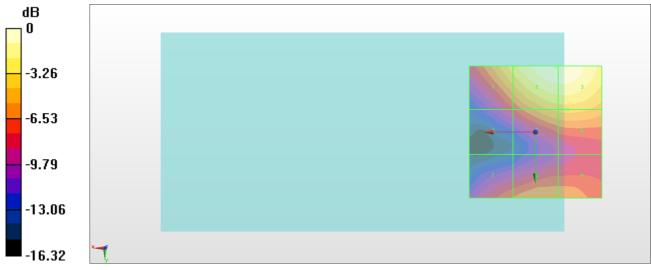
Emission category: M3

MIF scaled E-field

Grid 1 M3 30.57 dBV/m	Grid 3 M3 33.2 dBV/m
Grid 4 M4 25.41 dBV/m	Grid 6 M4 29.31 dBV/m
Grid 7 M4 26.84 dBV/m	Grid 9 M4 27.73 dBV/m

Cursor:

Total = 33.20 dBV/m E Category: M3 Location: -8, -25, 8.7 mm



0 dB = 45.71 V/m = 33.20 dBV/m

#06_HAC_E_GSM1900_GSM Voice_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Date: 2017/8/8

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 15.67 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.94 dBV/m

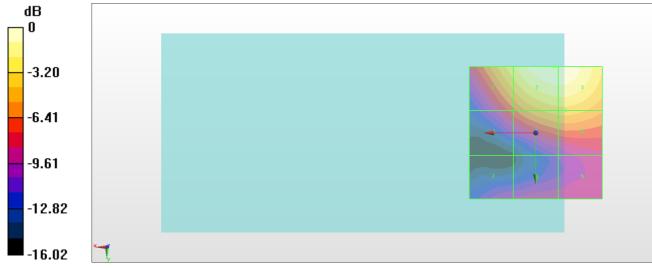
Emission category: M3

MIF scaled E-field

Grid 1 M3 31.69 dBV/m	Grid 3 M3 33.91 dBV/m
Grid 4 M4 27.19 dBV/m	Grid 6 M3 30.31 dBV/m
Grid 7 M4 24.6 dBV/m	Grid 9 M4 25.33 dBV/m

Cursor:

Total = 33.94 dBV/m E Category: M3 Location: -7, -25, 8.7 mm



0 dB = 49.76 V/m = 33.94 dBV/m

#07_HAC_E_LTE Band 38_20M_QPSK_1_0_Ch37850

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2580 MHz; Duty

Date: 2017/8/8

Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 16.45 V/m; Power Drift = -0.03 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.41 dBV/m

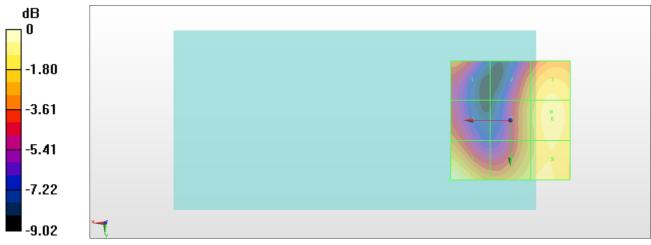
Emission category: M4

MIF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
23.44 dBV/m	24.18 dBV/m	25.36 dBV/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
23.36 dBV/m	24.46 dBV/m	25.48 dBV/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
26.41 dBV/m	25.19 dBV/m	25.39 dBV/m

Cursor:

Total = 26.41 dBV/m E Category: M4 Location: 25, 25, 8.7 mm



0 dB = 20.91 V/m = 26.41 dBV/m

#08_HAC_E_LTE Band 38_20M_QPSK_1_0_Ch38000

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2595 MHz; Duty

Date: 2017/8/8

Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 16.99 V/m; Power Drift = -0.02 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.11 dBV/m

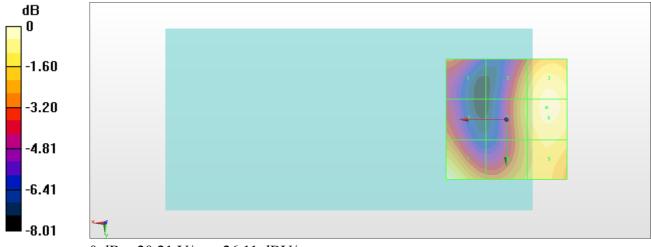
Emission category: M4

MIF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
23.13 dBV/m	24.62 dBV/m	25.76 dBV/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
23.5 dBV/m	24.74 dBV/m	25.79 dBV/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
26.11 dBV/m	24.63 dBV/m	25.2 dBV/m

Cursor:

Total = 26.11 dBV/m E Category: M4 Location: 25, 25, 8.7 mm



0 dB = 20.21 V/m = 26.11 dBV/m

#09_HAC_E_LTE Band 38_20M_QPSK_1_0_Ch38150

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2610 MHz; Duty

Date: 2017/8/8

Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 15.21 V/m; Power Drift = -0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.08 dBV/m

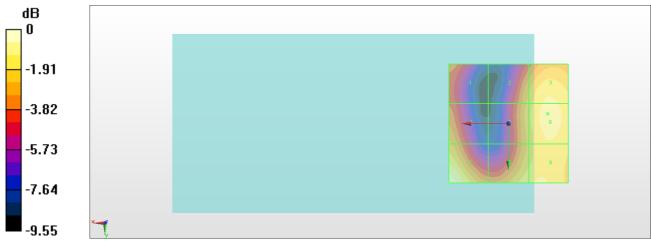
Emission category: M4

MIF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
22.68 dBV/m	23.82 dBV/m	24.95 dBV/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
23.82 dBV/m	24.01 dBV/m	25.05 dBV/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
26.08 dBV/m	24.72 dBV/m	24.9 dBV/m

Cursor:

Total = 26.08 dBV/m E Category: M4 Location: 25, 25, 8.7 mm



0 dB = 20.13 V/m = 26.08 dBV/m

#10_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40340

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2565 MHz; Duty

Date: 2017/8/8

Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 17.14 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.65 dBV/m

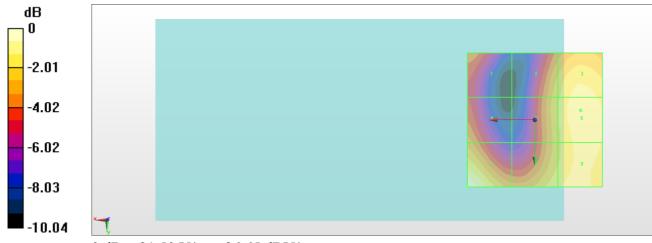
Emission category: M4

MIF scaled E-field

		Grid 3 M4
23.25 dBV/m	24.49 dBV/m	25.59 dBV/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
23.77 dBV/m	24.65 dBV/m	25.7 dBV/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
26.65 dBV/m	25.24 dBV/m	25.53 dBV/m

Cursor:

Total = 26.65 dBV/m E Category: M4 Location: 25, 25, 8.7 mm



0 dB = 21.50 V/m = 26.65 dBV/m

#11_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40600

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2591 MHz; Duty

Date: 2017/8/8

Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 17.07 V/m; Power Drift = -0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.53 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
23.52 dBV/m	24.73 dBV/m	25.87 dBV/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
24.29 dBV/m	24.95 dBV/m	26.01 dBV/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
26.53 dBV/m	25.33 dBV/m	25.75 dBV/m

Cursor:

Total = 26.53 dBV/m E Category: M4 Location: 25, 25, 8.7 mm



0 dB = 21.20 V/m = 26.53 dBV/m

#12_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch40870

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2618 MHz; Duty

Date: 2017/8/8

Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 14.33 V/m; Power Drift = -0.02 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.04 dBV/m

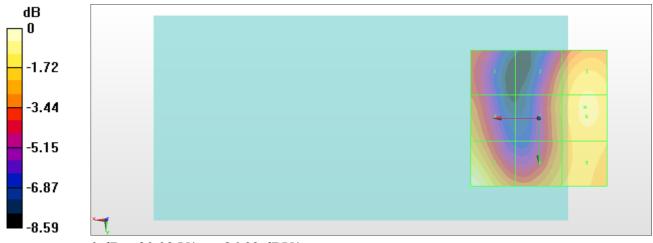
Emission category: M4

MIF scaled E-field

Grid 1 M4 22.58 dBV/m	Grid 3 M4 24.96 dBV/m
Grid 4 M4 24.07 dBV/m	Grid 6 M4 25.04 dBV/m
Grid 7 M4 26.04 dBV/m	 Grid 9 M4 24.71 dBV/m

Cursor:

Total = 26.04 dBV/m E Category: M4 Location: 25, 25, 8.7 mm



0 dB = 20.03 V/m = 26.03 dBV/m

#13_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch41140

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2645 MHz; Duty

Date: 2017/8/8

Cycle: 1:1.59

Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 ℃

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;

- Sensor-Surface: (Fix Surface)

- Electronics: DAE4 Sn778; Calibrated: 2017/5/22

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

- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 13.11 V/m; Power Drift = -0.03 dB

Applied MIF = -1.62 dB

RF audio interference level = 25.10 dBV/m

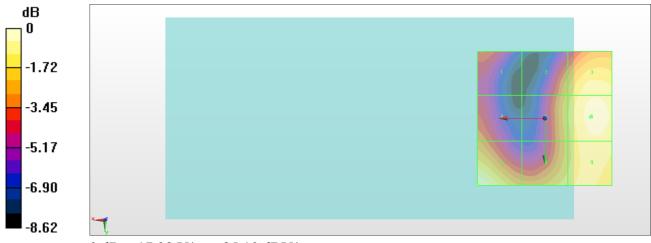
Emission category: M4

MIF scaled E-field

Grid 1 M4	Grid 2 M4	Grid 3 M4
21.75 dBV/m	23.01 dBV/m	24.48 dBV/m
Grid 4 M4	Grid 5 M4	Grid 6 M4
22.39 dBV/m	23.34 dBV/m	24.68 dBV/m
Grid 7 M4	Grid 8 M4	Grid 9 M4
25.1 dBV/m	23.81 dBV/m	24.44 dBV/m

Cursor:

Total = 25.10 dBV/m E Category: M4 Location: 25, 25, 8.7 mm



0 dB = 17.98 V/m = 25.10 dBV/m