#01_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

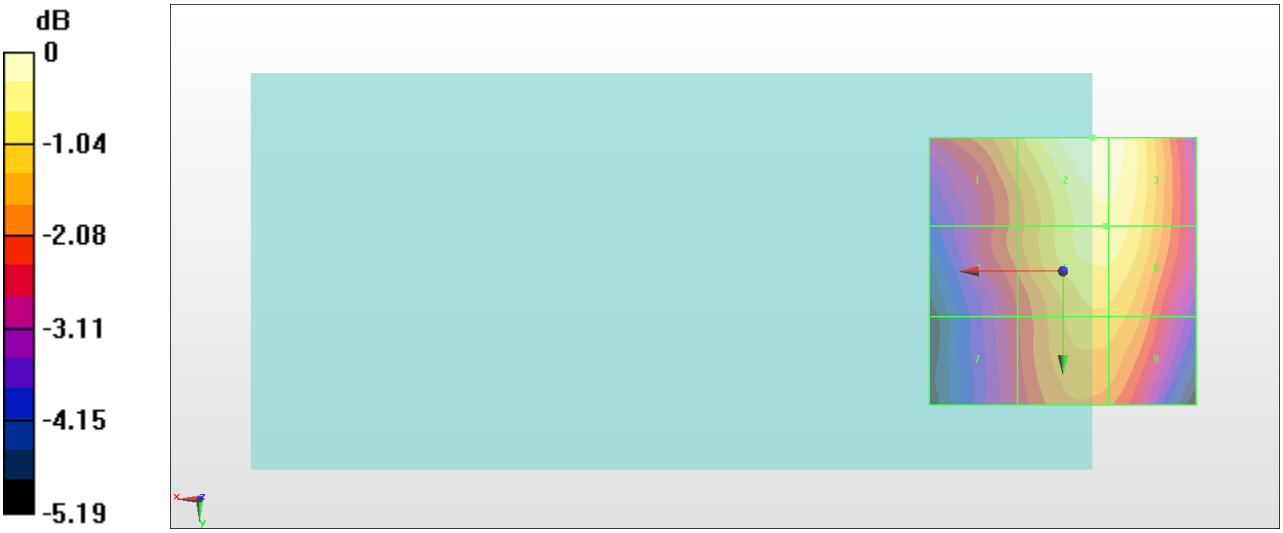
DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 26.80 V/m; Power Drift = -0.11 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.41 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **30.21 dBV/m**	Grid 2 **M4** **31.41 dBV/m**	Grid 3 **M4** **31.38 dBV/m**
Grid 4 **M4** **29.6 dBV/m**	Grid 5 **M4** **30.98 dBV/m**	Grid 6 **M4** **30.98 dBV/m**
Grid 7 **M4** **28.97 dBV/m**	Grid 8 **M4** **30.33 dBV/m**	Grid 9 **M4** **30.27 dBV/m**

Cursor:
Total = 31.41 dBV/m
E Category: M4
Location: -5.5, -25, 8.7 mm



0 dB = 37.19 V/m = 31.41 dBV/m

#02_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

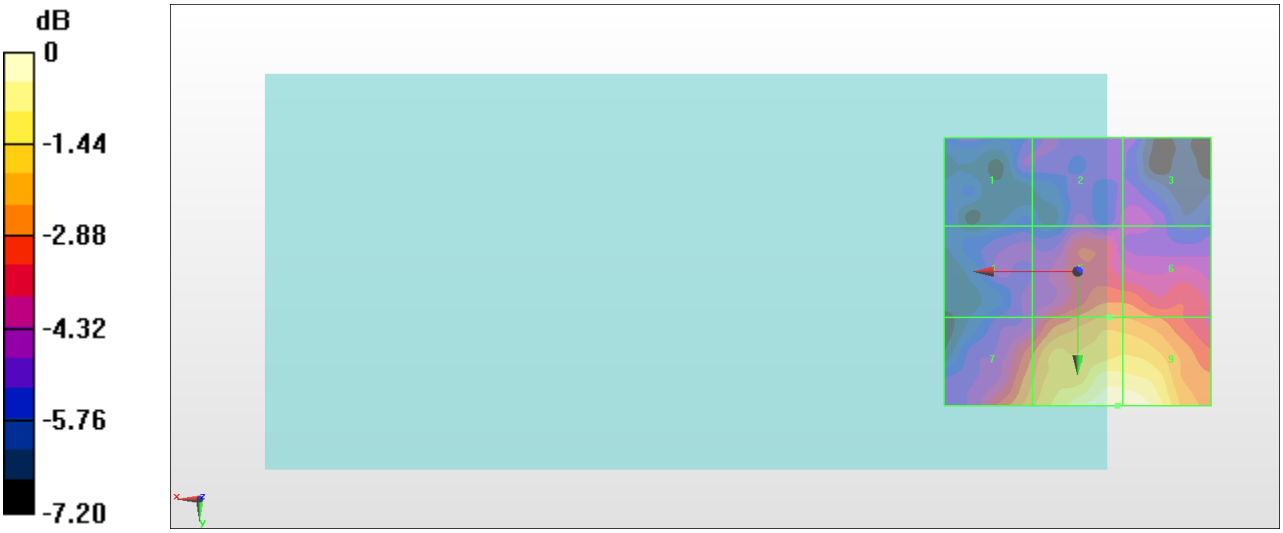
DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 7.677 V/m; Power Drift = -0.02 dB
Applied MIF = 3.63 dB
RF audio interference level = 23.00 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **18.33 dBV/m**	Grid 2 **M4** **18.51 dBV/m**	Grid 3 **M4** **18.67 dBV/m**
Grid 4 **M4** **18.58 dBV/m**	Grid 5 **M4** **20.7 dBV/m**	Grid 6 **M4** **20.63 dBV/m**
Grid 7 **M4** **20.99 dBV/m**	Grid 8 **M4** **23 dBV/m**	Grid 9 **M4** **22.98 dBV/m**

Cursor:
Total = 23.00 dBV/m
E Category: M4
Location: -7.5, 25, 8.7 mm



0 dB = 14.12 V/m = 23.00 dBV/m

#03_HAC_E_CDMA BC0_ 1xRTT, RC1 SO3, 18th Rate_Ch1013

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- 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 = 16.89 V/m; Power Drift = 0.05 dB
Applied MIF = 3.26 dB
RF audio interference level = 29.20 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.83 dBV/m**	Grid 2 **M4** **27.27 dBV/m**	Grid 3 **M4** **27.26 dBV/m**
Grid 4 **M4** **25.49 dBV/m**	Grid 5 **M4** **29.2 dBV/m**	Grid 6 **M4** **28.63 dBV/m**
Grid 7 **M4** **25.26 dBV/m**	Grid 8 **M4** **26.29 dBV/m**	Grid 9 **M4** **26.26 dBV/m**

Cursor:
Total = 29.20 dBV/m
E Category: M4
Location: -5, -5, 8.7 mm

0 dB = 28.84 V/m = 29.20 dBV/m

#04_HAC_E_CDMA BC1_ 1xRTT, RC1 SO3, 18th Rate_Ch25

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- 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 = 11.62 V/m; Power Drift = -0.07 dB
Applied MIF = 3.26 dB
RF audio interference level = 26.53 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **19.66 dBV/m**	Grid 2 **M4** **23.04 dBV/m**	Grid 3 **M4** **21.88 dBV/m**
Grid 4 **M4** **20.55 dBV/m**	Grid 5 **M4** **25.5 dBV/m**	Grid 6 **M4** **25.28 dBV/m**
Grid 7 **M4** **23.47 dBV/m**	Grid 8 **M4** **26.53 dBV/m**	Grid 9 **M4** **26.32 dBV/m**

Cursor:
Total = 26.53 dBV/m
E Category: M4
Location: -6.5, 25, 8.7 mm

0 dB = 21.21 V/m = 26.53 dBV/m

#05_HAC_E_CDMA BC10_ 1xRTT, RC1 SO3, 18th Rate_Ch476

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- 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 = 21.29 V/m; Power Drift = -0.08 dB
Applied MIF = 3.26 dB
RF audio interference level = 28.06 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.93 dBV/m**	Grid 2 **M4** **28.05 dBV/m**	Grid 3 **M4** **28.03 dBV/m**
Grid 4 **M4** **25.43 dBV/m**	Grid 5 **M4** **28.06 dBV/m**	Grid 6 **M4** **28.03 dBV/m**
Grid 7 **M4** **24.92 dBV/m**	Grid 8 **M4** **27.78 dBV/m**	Grid 9 **M4** **27.7 dBV/m**

Cursor:
Total = 28.06 dBV/m
E Category: M4
Location: -7.5, -6, 8.7 mm

0 dB = 25.29 V/m = 28.06 dBV/m

#06_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 Cycle: 1:8.33681
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- 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 = 9.554 V/m; Power Drift = 0.01 dB
Applied MIF = -1.62 dB
RF audio interference level = 20.07 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **15.41 dBV/m**	Grid 2 **M4** **16.91 dBV/m**	Grid 3 **M4** **17.05 dBV/m**
Grid 4 **M4** **15.37 dBV/m**	Grid 5 **M4** **18.51 dBV/m**	Grid 6 **M4** **18.63 dBV/m**
Grid 7 **M4** **19 dBV/m**	Grid 8 **M4** **20.07 dBV/m**	Grid 9 **M4** **19.93 dBV/m**

Cursor:
Total = 20.07 dBV/m
E Category: M4
Location: -1.5, 25, 8.7 mm

0 dB = 10.08 V/m = 20.07 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 Cycle: 1:8.33681
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- 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 = 5.038 V/m; Power Drift = 0.03 dB
Applied MIF = -1.62 dB
RF audio interference level = 15.73 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **15.28 dBV/m**	Grid 2 **M4** **15.62 dBV/m**	Grid 3 **M4** **15.73 dBV/m**
Grid 4 **M4** **13.59 dBV/m**	Grid 5 **M4** **13.45 dBV/m**	Grid 6 **M4** **13.6 dBV/m**
Grid 7 **M4** **12.71 dBV/m**	Grid 8 **M4** **13.43 dBV/m**	Grid 9 **M4** **13.88 dBV/m**

Cursor:
Total = 15.73 dBV/m
E Category: M4
Location: -11, -25, 8.7 mm

0 dB = 6.117 V/m = 15.73 dBV/m

#08_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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- 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 = 11.51 V/m; Power Drift = 0.03 dB
Applied MIF = -1.62 dB
RF audio interference level = 20.26 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **15.18 dBV/m**	Grid 2 **M4** **18.77 dBV/m**	Grid 3 **M4** **18.85 dBV/m**
Grid 4 **M4** **16.86 dBV/m**	Grid 5 **M4** **19.78 dBV/m**	Grid 6 **M4** **20.02 dBV/m**
Grid 7 **M4** **20.17 dBV/m**	Grid 8 **M4** **20.22 dBV/m**	Grid 9 **M4** **20.26 dBV/m**

Cursor:
Total = 20.26 dBV/m
E Category: M4
Location: -13, 25, 8.7 mm

0 dB = 10.31 V/m = 20.26 dBV/m

#09_HAC_E_LTE Band 41_20M_QPSK_1_0_Ch41490

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz;Duty Cycle: 1:8.87156
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- 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 = 5.685 V/m; Power Drift = 0.05 dB
Applied MIF = -1.44 dB
RF audio interference level = 16.17 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **16.17 dBV/m**	Grid 2 **M4** **15.21 dBV/m**	Grid 3 **M4** **14.63 dBV/m**
Grid 4 **M4** **14.25 dBV/m**	Grid 5 **M4** **13.46 dBV/m**	Grid 6 **M4** **13.23 dBV/m**
Grid 7 **M4** **12.78 dBV/m**	Grid 8 **M4** **14.15 dBV/m**	Grid 9 **M4** **14.31 dBV/m**

Cursor:
Total = 16.17 dBV/m
E Category: M4
Location: 20, -25, 8.7 mm

0 dB = 6.438 V/m = 16.18 dBV/m

#10_HAC_E_WLAN2.4GHz_802.11g 6Mbps_Ch1

Communication System: IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2412 MHz;Duty Cycle: 1:12.5893
Medium: Air Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Ambient Temperature：23.4 ℃

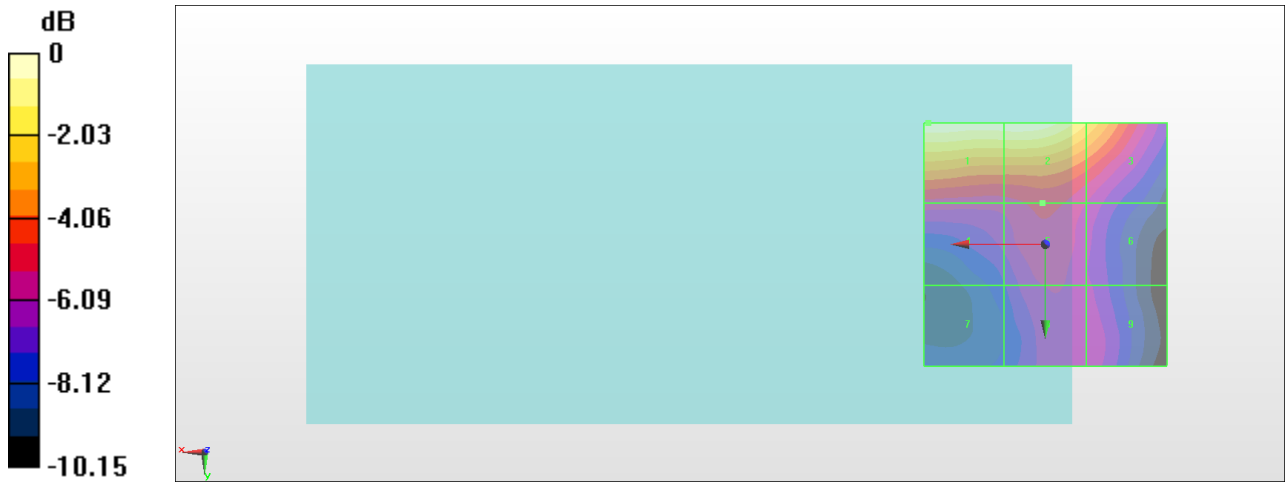
DASY5 Configuration
- Probe: EF3DV3 - SN4047 (3-4 GHz); ConvF(1, 1, 1); Calibrated: 2018/1/8;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2017/5/2
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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 = 26.93 V/m; Power Drift = -0.02 dB
Applied MIF = 0.12 dB
RF audio interference level = 29.91 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **29.91 dBV/m**	Grid 2 **M4** **29.9 dBV/m**	Grid 3 **M4** **27.96 dBV/m**
Grid 4 **M4** **24.31 dBV/m**	Grid 5 **M4** **24.72 dBV/m**	Grid 6 **M4** **23.83 dBV/m**
Grid 7 **M4** **22.43 dBV/m**	Grid 8 **M4** **23.91 dBV/m**	Grid 9 **M4** **23.75 dBV/m**

Cursor:
Total = 29.91 dBV/m
E Category: M4
Location: 24, -25, 7.7 mm



0 dB = 31.29 V/m = 29.91 dBV/m