#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: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch128/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 = 19.16 V/m; Power Drift = 0.11 dB
Applied MIF = 3.63 dB
RF audio interference level = 31.55 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.15 dBV/m**	Grid 2 **M4** **27.1 dBV/m**	Grid 3 **M4** **27.1 dBV/m**
Grid 4 **M4** **28.39 dBV/m**	Grid 5 **M4** **29.1 dBV/m**	Grid 6 **M4** **29.07 dBV/m**
Grid 7 **M4** **31.3 dBV/m**	Grid 8 **M4** **31.55 dBV/m**	Grid 9 **M4** **31.15 dBV/m**

Cursor:
Total = 31.55 dBV/m
E Category: M4
Location: 0.5, 25, 8.7 mm

0 dB = 37.79 V/m = 31.55 dBV/m

#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: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃

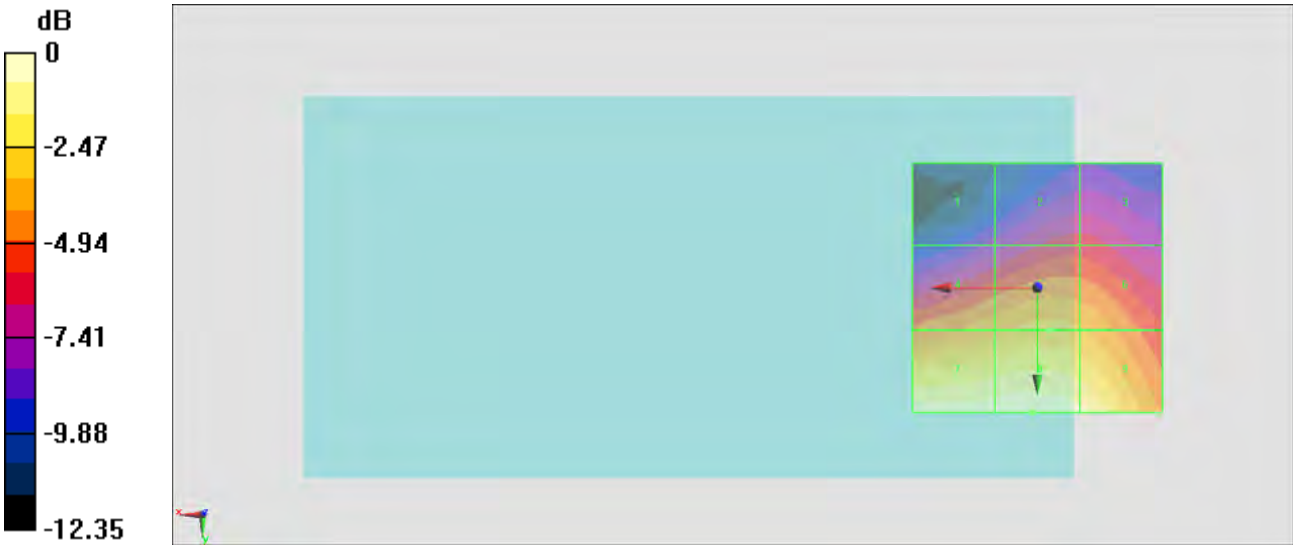
DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch189/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 = 23.12 V/m; Power Drift = 0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.65 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.87 dBV/m**	Grid 2 **M4** **27.54 dBV/m**	Grid 3 **M4** **27.53 dBV/m**
Grid 4 **M4** **30.14 dBV/m**	Grid 5 **M4** **30.67 dBV/m**	Grid 6 **M4** **30.47 dBV/m**
Grid 7 **M4** **33.45 dBV/m**	Grid 8 **M4** **33.65 dBV/m**	Grid 9 **M4** **33.1 dBV/m**

Cursor:
Total = 33.65 dBV/m
E Category: M4
Location: 1, 25, 8.7 mm



0 dB = 48.12 V/m = 33.65 dBV/m

#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: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃

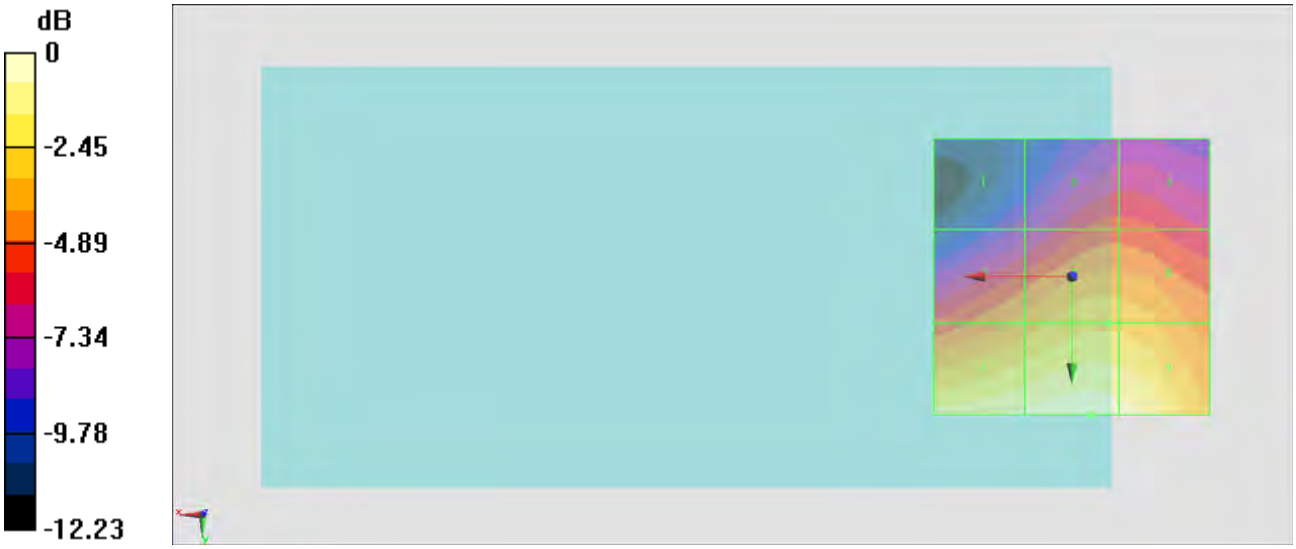
DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch251/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 = 23.50 V/m; Power Drift = 0.00 dB
Applied MIF = 3.63 dB
RF audio interference level = 33.46 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.96 dBV/m**	Grid 2 **M4** **28.2 dBV/m**	Grid 3 **M4** **28.19 dBV/m**
Grid 4 **M4** **29.78 dBV/m**	Grid 5 **M4** **30.85 dBV/m**	Grid 6 **M4** **30.81 dBV/m**
Grid 7 **M4** **32.88 dBV/m**	Grid 8 **M4** **33.46 dBV/m**	Grid 9 **M4** **33.21 dBV/m**

Cursor:
Total = 33.46 dBV/m
E Category: M4
Location: -3.5, 25, 8.7 mm



0 dB = 47.12 V/m = 33.46 dBV/m

#07_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, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：23.3 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch189/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 = 23.04 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 35.67 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **28.51 dBV/m**	Grid 2 **M4** **29.91 dBV/m**	Grid 3 **M4** **29.92 dBV/m**
Grid 4 **M4** **32.28 dBV/m**	Grid 5 **M4** **32.82 dBV/m**	Grid 6 **M4** **32.78 dBV/m**
Grid 7 **M4** **35.67 dBV/m**	Grid 8 **M4** **35.65 dBV/m**	Grid 9 **M4** **35.3 dBV/m**

Cursor:
Total = 35.67 dBV/m
E Category: M4
Location: 22.7, 37.6, 8.7 mm

0 dB = 60.73 V/m = 35.67 dBV/m

#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: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃

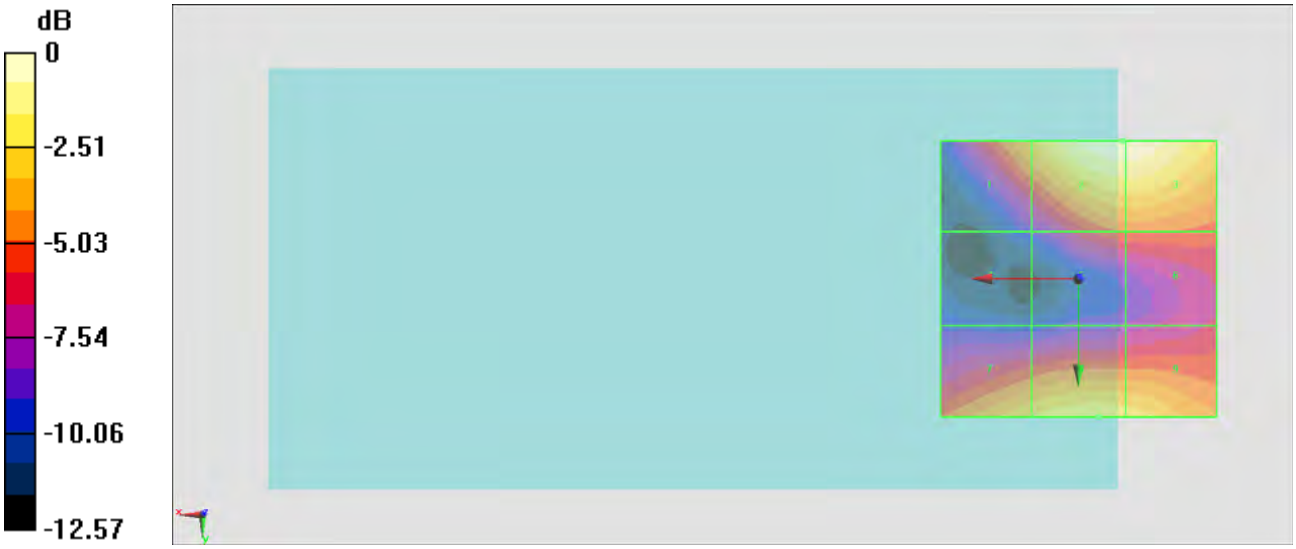
DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch512/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 = 7.083 V/m; Power Drift = -0.18 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.90 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **26.92 dBV/m**	Grid 2 **M4** **29.9 dBV/m**	Grid 3 **M4** **29.89 dBV/m**
Grid 4 **M4** **21.03 dBV/m**	Grid 5 **M4** **24.86 dBV/m**	Grid 6 **M4** **24.97 dBV/m**
Grid 7 **M4** **27.39 dBV/m**	Grid 8 **M4** **28.24 dBV/m**	Grid 9 **M4** **27.97 dBV/m**

Cursor:
Total = 29.90 dBV/m
E Category: M4
Location: -8, -25, 8.7 mm



0 dB = 31.25 V/m = 29.90 dBV/m

#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: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃

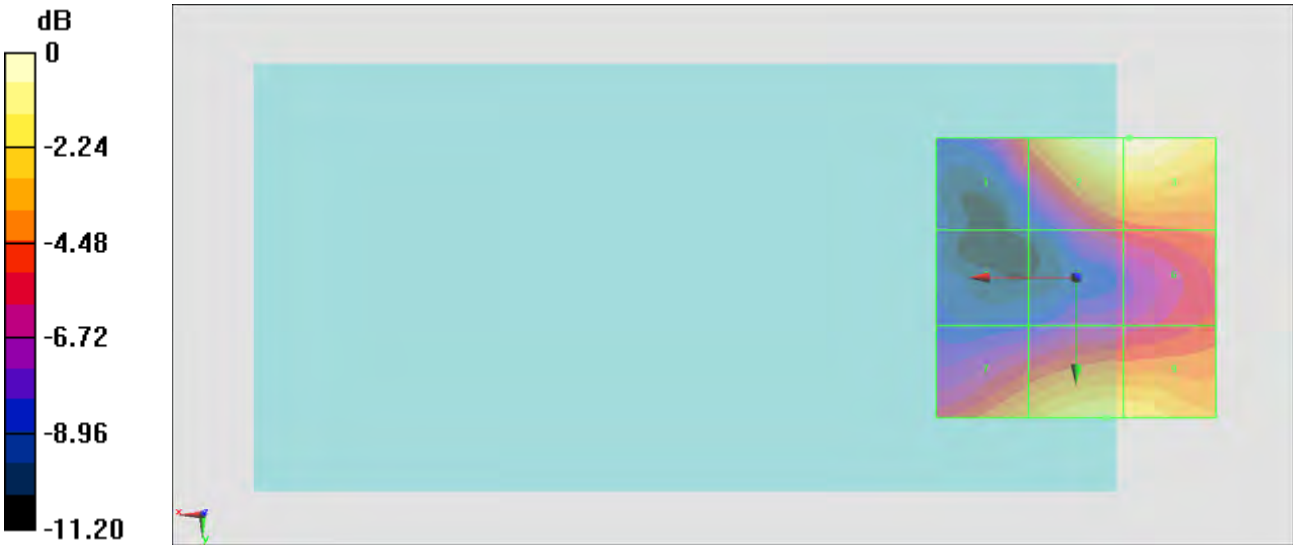
DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch661/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 = 6.679 V/m; Power Drift = 0.04 dB
Applied MIF = 3.63 dB
RF audio interference level = 28.93 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **24.71 dBV/m**	Grid 2 **M4** **28.91 dBV/m**	Grid 3 **M4** **28.93 dBV/m**
Grid 4 **M4** **20.57 dBV/m**	Grid 5 **M4** **23.81 dBV/m**	Grid 6 **M4** **24.66 dBV/m**
Grid 7 **M4** **26.16 dBV/m**	Grid 8 **M4** **27.66 dBV/m**	Grid 9 **M4** **27.55 dBV/m**

Cursor:
Total = 28.93 dBV/m
E Category: M4
Location: -9.5, -25, 8.7 mm



0 dB = 27.95 V/m = 28.93 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: σ = 0 S/m, ε_r = 1; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃

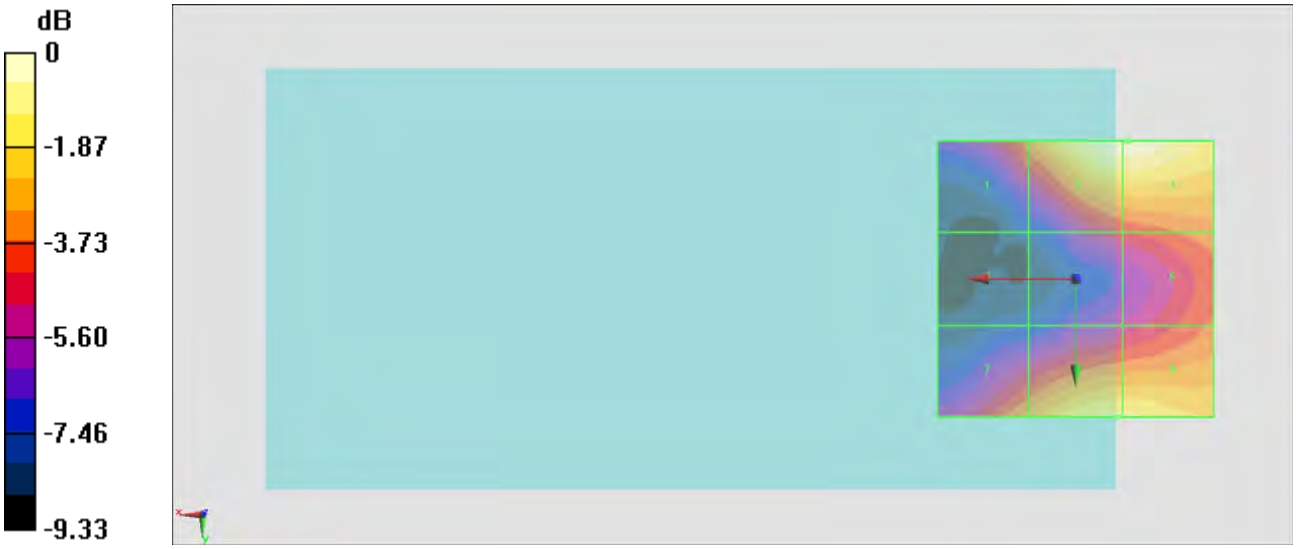
DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch810/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 = 6.652 V/m; Power Drift = -0.02 dB
Applied MIF = 3.63 dB
RF audio interference level = 28.51 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **25.31 dBV/m**	Grid 2 **M4** **28.5 dBV/m**	Grid 3 **M4** **28.51 dBV/m**
Grid 4 **M4** **21.11 dBV/m**	Grid 5 **M4** **24.11 dBV/m**	Grid 6 **M4** **25.17 dBV/m**
Grid 7 **M4** **25.73 dBV/m**	Grid 8 **M4** **27.51 dBV/m**	Grid 9 **M4** **27.49 dBV/m**

Cursor:
Total = 28.51 dBV/m
E Category: M4
Location: -9.5, -25, 8.7 mm



0 dB = 26.65 V/m = 28.51 dBV/m

#08_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, $\varepsilon_r = 1$; $\rho = 1000$ kg/m^3
Ambient Temperature：23.3 ℃

DASY5 Configuration
- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2015/1/26;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Ch512/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 = 8.536 V/m; Power Drift = -0.11 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.71 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **23.27 dBV/m**	Grid 2 **M4** **25.41 dBV/m**	Grid 3 **M4** **25.97 dBV/m**
Grid 4 **M4** **24.62 dBV/m**	Grid 5 **M4** **26.14 dBV/m**	Grid 6 **M4** **26.14 dBV/m**
Grid 7 **M4** **28.51 dBV/m**	Grid 8 **M4** **29.71 dBV/m**	Grid 9 **M4** **29.57 dBV/m**

Cursor:
Total = 29.71 dBV/m
E Category: M4
Location: -0.3, 37.6, 8.7 mm

0 dB = 30.58 V/m = 29.71 dBV/m