

#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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- 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 = 59.57 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.27 dBV/m

Emission category: M4

MIF scaled E-field

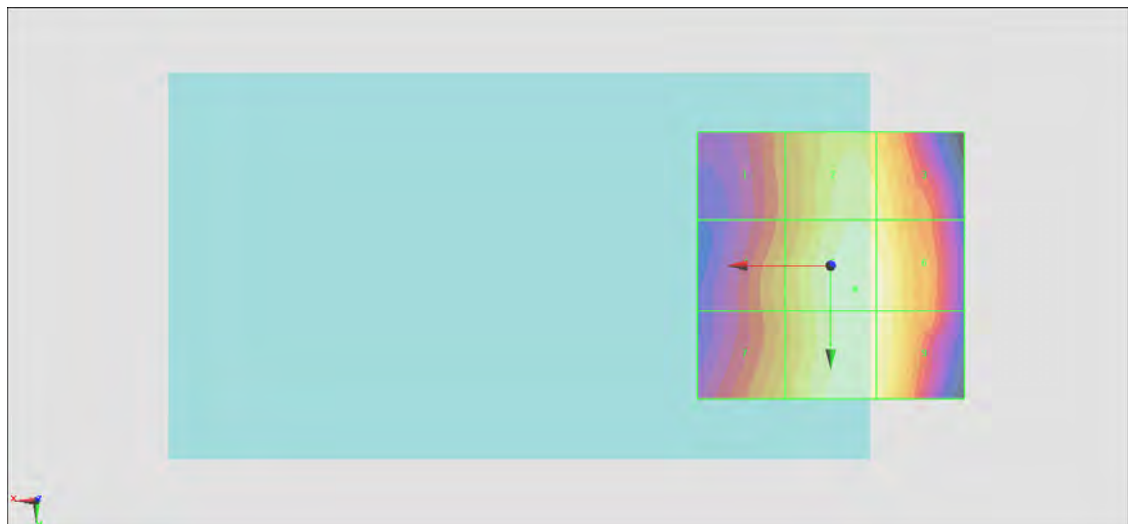
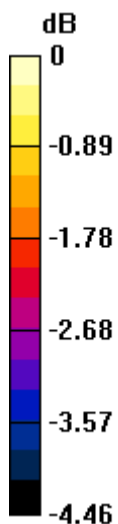
Grid 1 M4 35.76 dBV/m	Grid 2 M4 36.97 dBV/m	Grid 3 M4 36.83 dBV/m
Grid 4 M4 36.12 dBV/m	Grid 5 M4 37.27 dBV/m	Grid 6 M4 37.13 dBV/m
Grid 7 M4 36.28 dBV/m	Grid 8 M4 37.21 dBV/m	Grid 9 M4 37.08 dBV/m

Cursor:

Total = 37.27 dBV/m

E Category: M4

Location: -4.5, 4.5, 8.7 mm



0 dB = 73.04 V/m = 37.27 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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- 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 = 69.07 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.50 dBV/m

Emission category: M4

MIF scaled E-field

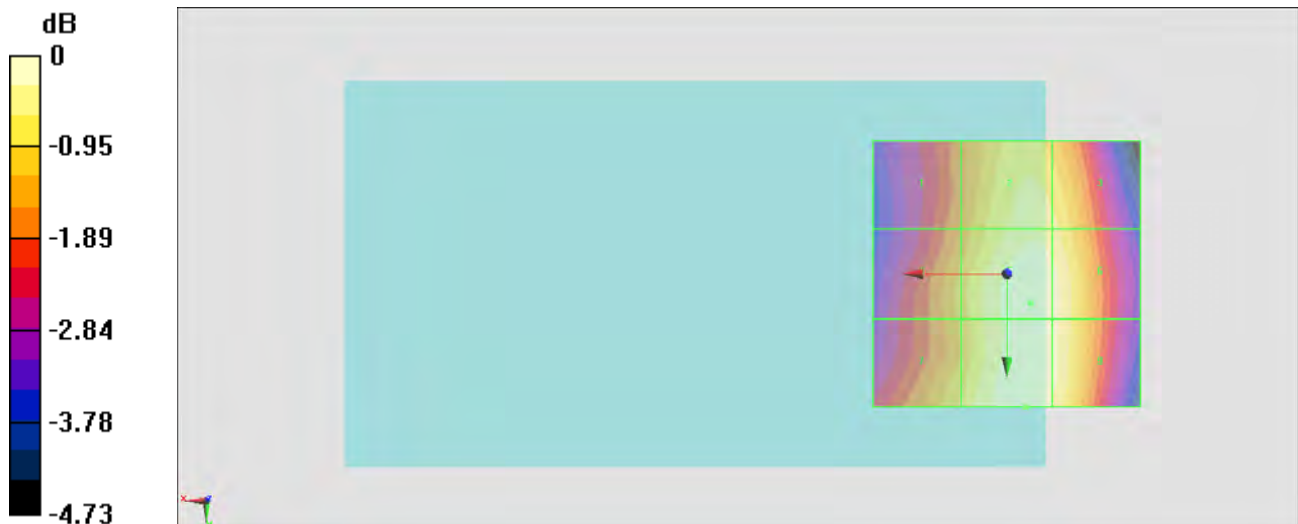
Grid 1 M4 37.01 dBV/m	Grid 2 M4 38.1 dBV/m	Grid 3 M4 37.99 dBV/m
Grid 4 M4 37.41 dBV/m	Grid 5 M4 38.44 dBV/m	Grid 6 M4 38.34 dBV/m
Grid 7 M4 37.66 dBV/m	Grid 8 M4 38.5 dBV/m	Grid 9 M4 38.31 dBV/m

Cursor:

Total = 38.50 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



0 dB = 84.12 V/m = 38.50 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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- 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 = 68.60 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.49 dBV/m

Emission category: M4

MIF scaled E-field

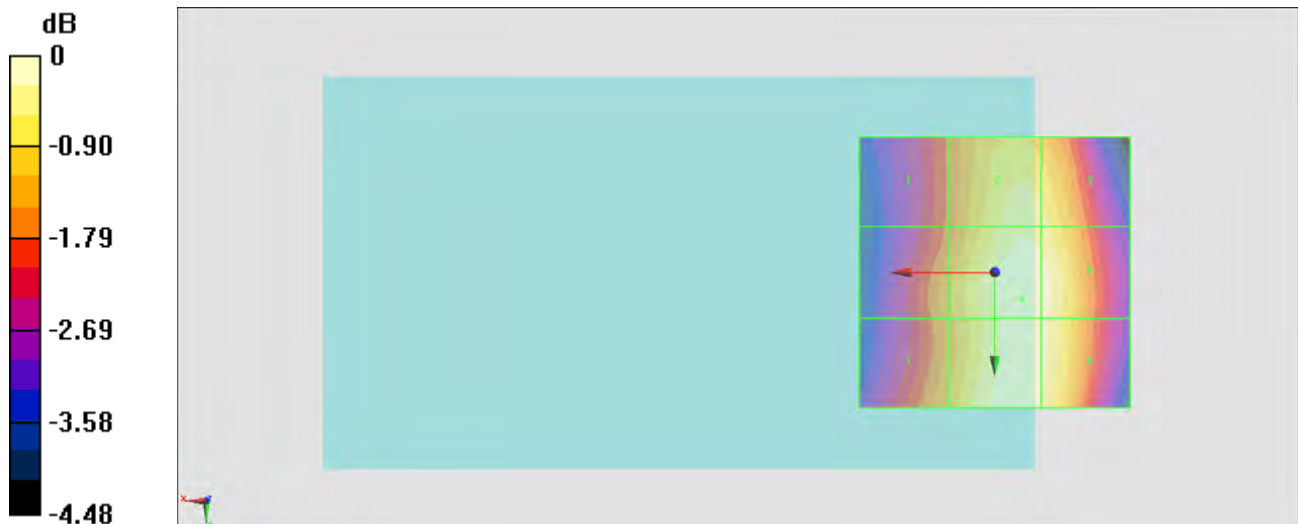
Grid 1 M4 36.83 dBV/m	Grid 2 M4 38.13 dBV/m	Grid 3 M4 38.04 dBV/m
Grid 4 M4 37.27 dBV/m	Grid 5 M4 38.49 dBV/m	Grid 6 M4 38.39 dBV/m
Grid 7 M4 37.41 dBV/m	Grid 8 M4 38.41 dBV/m	Grid 9 M4 38.33 dBV/m

Cursor:

Total = 38.49 dBV/m

E Category: M4

Location: -5, 5, 8.7 mm



0 dB = 84.06 V/m = 38.49 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: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- 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 = 20.91 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.17 dBV/m

Emission category: M3

MIF scaled E-field

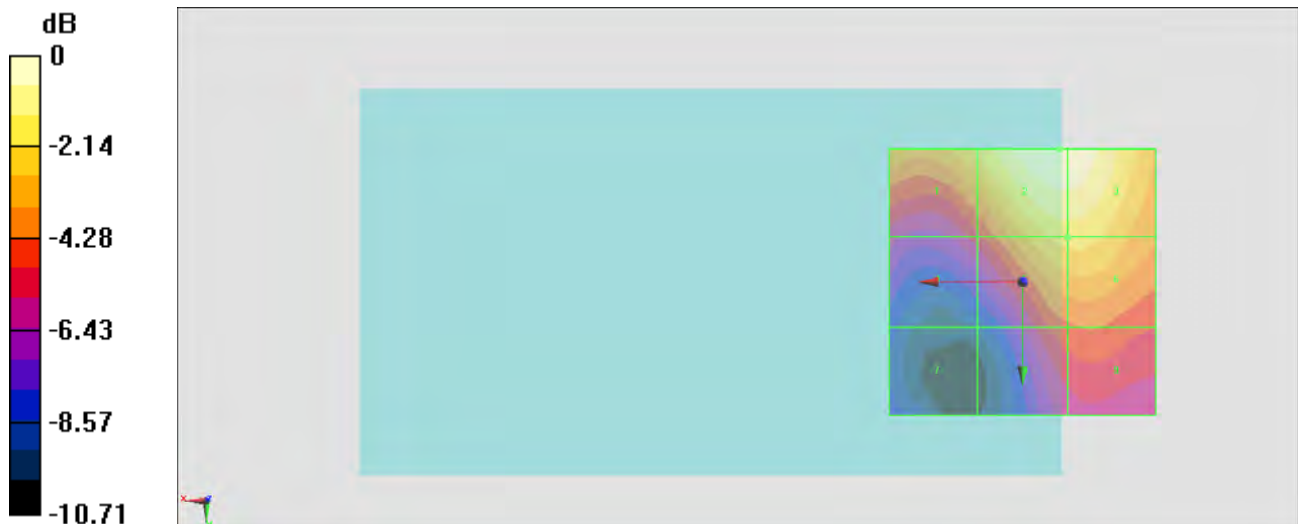
Grid 1 M3 31.26 dBV/m	Grid 2 M3 33.17 dBV/m	Grid 3 M3 33.14 dBV/m
Grid 4 M4 27.93 dBV/m	Grid 5 M3 31.33 dBV/m	Grid 6 M3 31.35 dBV/m
Grid 7 M4 25.09 dBV/m	Grid 8 M4 28.75 dBV/m	Grid 9 M4 28.95 dBV/m

Cursor:

Total = 33.17 dBV/m

E Category: M3

Location: -7, -25, 8.7 mm



0 dB = 45.57 V/m = 33.17 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: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- 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 = 24.99 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.00 dBV/m

Emission category: M3

MIF scaled E-field

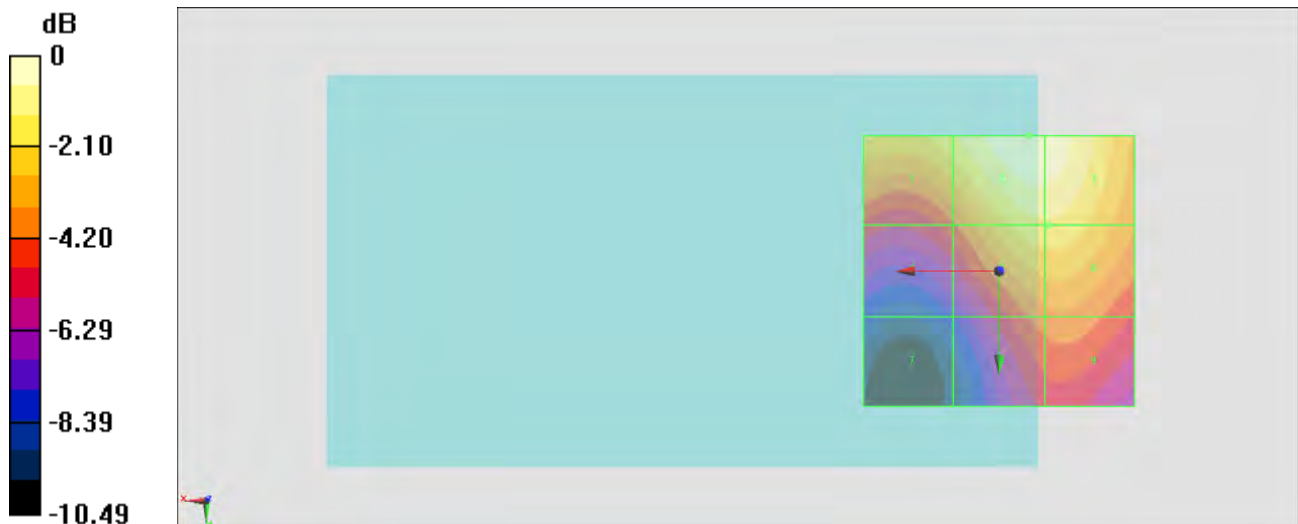
Grid 1 M3 32.48 dBV/m	Grid 2 M3 34 dBV/m	Grid 3 M3 33.92 dBV/m
Grid 4 M4 29.69 dBV/m	Grid 5 M3 32.46 dBV/m	Grid 6 M3 32.46 dBV/m
Grid 7 M4 26.22 dBV/m	Grid 8 M3 30.25 dBV/m	Grid 9 M3 30.41 dBV/m

Cursor:

Total = 34.00 dBV/m

E Category: M3

Location: -5.5, -25, 8.7 mm



0 dB = 50.12 V/m = 34.00 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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- 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 = 25.89 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.64 dBV/m

Emission category: M3

MIF scaled E-field

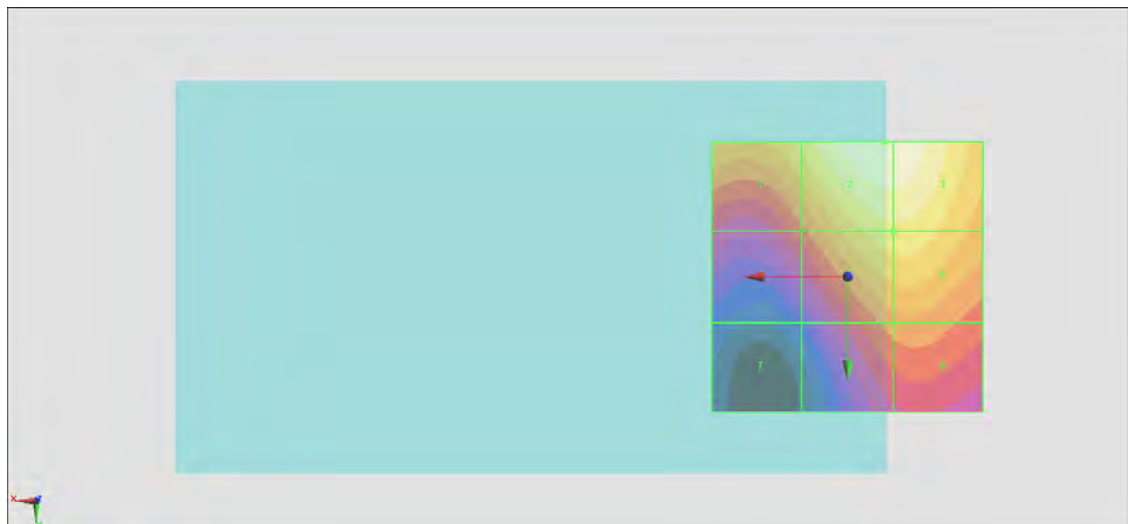
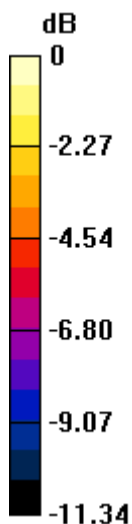
Grid 1 M3 32.73 dBV/m	Grid 2 M3 34.64 dBV/m	Grid 3 M3 34.61 dBV/m
Grid 4 M4 29.87 dBV/m	Grid 5 M3 32.94 dBV/m	Grid 6 M3 32.96 dBV/m
Grid 7 M4 26.16 dBV/m	Grid 8 M3 30.54 dBV/m	Grid 9 M3 30.73 dBV/m

Cursor:

Total = 34.64 dBV/m

E Category: M3

Location: -7, -25, 8.7 mm



0 dB = 53.96 V/m = 34.64 dBV/m

#07_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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch1013/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 = 22.48 V/m; Power Drift = -0.05 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.84 dBV/m

Emission category: M4

MIF scaled E-field

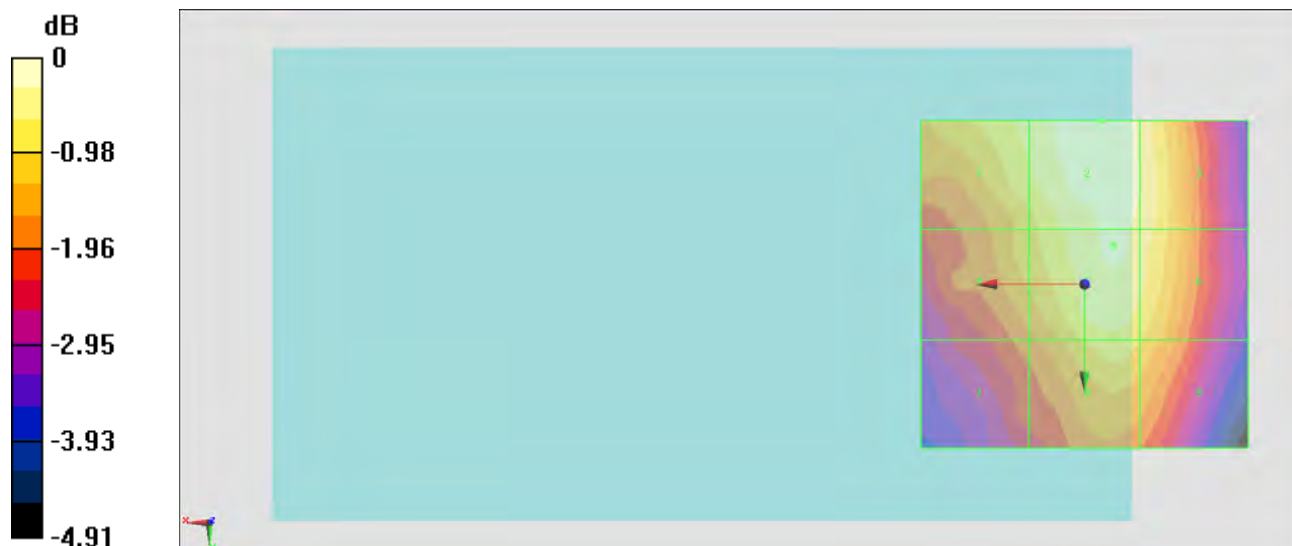
Grid 1 M4 28.31 dBV/m	Grid 2 M4 28.84 dBV/m	Grid 3 M4 28.51 dBV/m
Grid 4 M4 27.75 dBV/m	Grid 5 M4 28.6 dBV/m	Grid 6 M4 28.42 dBV/m
Grid 7 M4 27.1 dBV/m	Grid 8 M4 28.11 dBV/m	Grid 9 M4 27.87 dBV/m

Cursor:

Total = 28.84 dBV/m

E Category: M4

Location: -2.5, -25, 8.7 mm



$$0 \text{ dB} = 27.66 \text{ V/m} = 28.84 \text{ dBV/m}$$

#08_HAC_E_CDMA BC0_1xRTT, RC1 SO3, 18th Rate_Ch384

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

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

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch384/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 = 19.20 V/m; Power Drift = 0.03 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.98 dBV/m

Emission category: M4

MIF scaled E-field

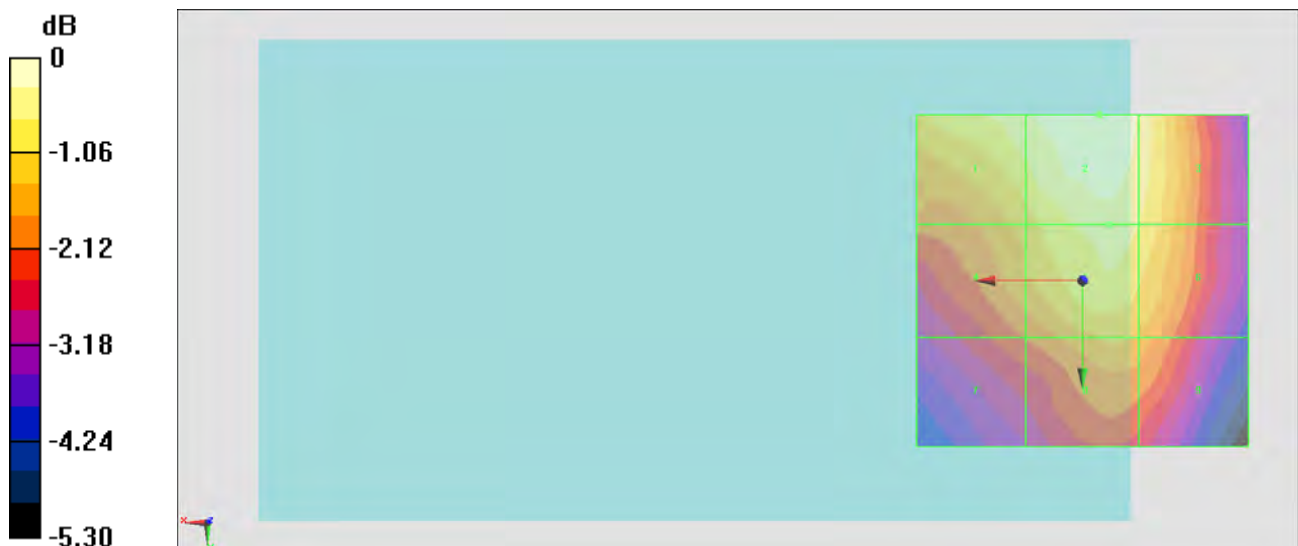
Grid 1 M4 27.53 dBV/m	Grid 2 M4 27.98 dBV/m	Grid 3 M4 27.57 dBV/m
Grid 4 M4 26.76 dBV/m	Grid 5 M4 27.5 dBV/m	Grid 6 M4 27.27 dBV/m
Grid 7 M4 25.89 dBV/m	Grid 8 M4 26.64 dBV/m	Grid 9 M4 26.47 dBV/m

Cursor:

Total = 27.98 dBV/m

E Category: M4

Location: -2.5, -25, 8.7 mm



$$0 \text{ dB} = 25.05 \text{ V/m} = 27.98 \text{ dBV/m}$$

#09_HAC_E_CDMA BC0_1xRTT, RC1 SO3, 18th Rate_Ch777

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

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

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch777/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 = 20.81 V/m; Power Drift = 0.17 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.72 dBV/m

Emission category: M4

MIF scaled E-field

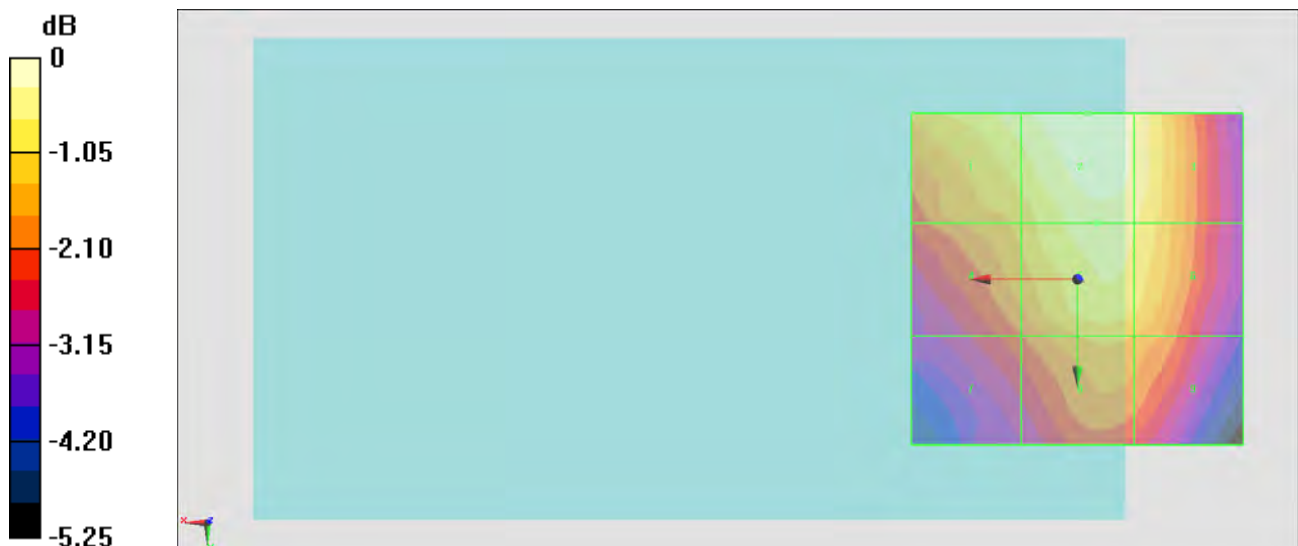
Grid 1 M4 28.3 dBV/m	Grid 2 M4 28.72 dBV/m	Grid 3 M4 28.35 dBV/m
Grid 4 M4 27.44 dBV/m	Grid 5 M4 28.22 dBV/m	Grid 6 M4 28.06 dBV/m
Grid 7 M4 26.61 dBV/m	Grid 8 M4 27.44 dBV/m	Grid 9 M4 27.32 dBV/m

Cursor:

Total = 28.72 dBV/m

E Category: M4

Location: -1.5, -25, 8.7 mm



$$0 \text{ dB} = 27.27 \text{ V/m} = 28.71 \text{ dBV/m}$$

#10_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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch25/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 = 8.759 V/m; Power Drift = -0.04 dB

Applied MIF = 3.26 dB

RF audio interference level = 24.87 dBV/m

Emission category: M4

MIF scaled E-field

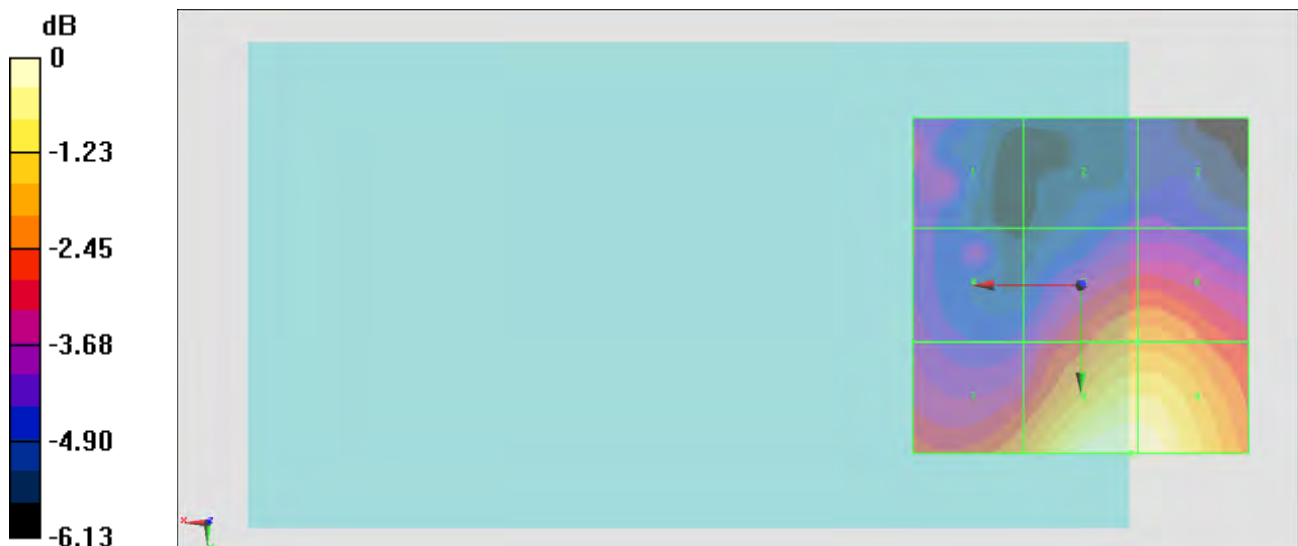
Grid 1 M4 21.59 dBV/m	Grid 2 M4 20.56 dBV/m	Grid 3 M4 20.59 dBV/m
Grid 4 M4 21.16 dBV/m	Grid 5 M4 23.08 dBV/m	Grid 6 M4 23.09 dBV/m
Grid 7 M4 22.99 dBV/m	Grid 8 M4 24.87 dBV/m	Grid 9 M4 24.86 dBV/m

Cursor:

Total = 24.87 dBV/m

E Category: M4

Location: -7.5, 25, 8.7 mm



$$0 \text{ dB} = 17.52 \text{ V/m} = 24.87 \text{ dBV/m}$$

#11_HAC_E_CDMA BC1_1xRTT, RC1 SO3, 18th Rate_Ch600

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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch600/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 = 9.471 V/m; Power Drift = 0.05 dB

Applied MIF = 3.26 dB

RF audio interference level = 25.38 dBV/m

Emission category: M4

MIF scaled E-field

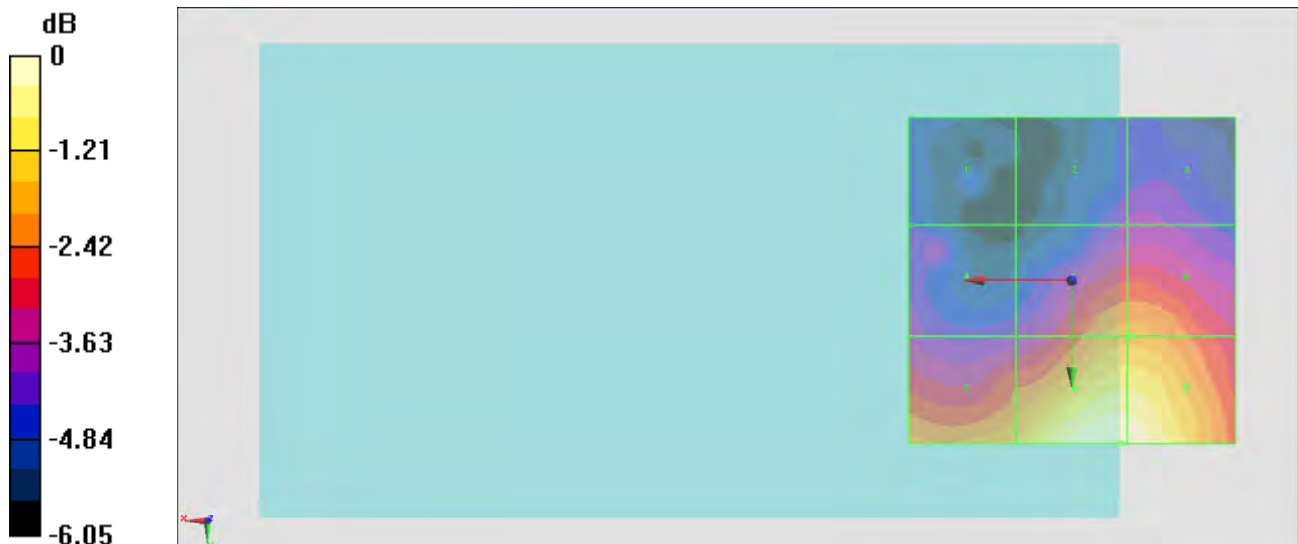
Grid 1 M4 21.04 dBV/m	Grid 2 M4 21.45 dBV/m	Grid 3 M4 21.54 dBV/m
Grid 4 M4 21.81 dBV/m	Grid 5 M4 23.6 dBV/m	Grid 6 M4 23.6 dBV/m
Grid 7 M4 23.93 dBV/m	Grid 8 M4 25.38 dBV/m	Grid 9 M4 25.36 dBV/m

Cursor:

Total = 25.38 dBV/m

E Category: M4

Location: -7.5, 25, 8.7 mm



$$0 \text{ dB} = 18.57 \text{ V/m} = 25.38 \text{ dBV/m}$$

#12_HAC_E_CDMA BC1_1xRTT, RC1 SO3, 18th Rate_Ch1175

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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2014/1/30;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

Ch1175/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 = 9.413 V/m; Power Drift = 0.05 dB

Applied MIF = 3.26 dB

RF audio interference level = 24.84 dBV/m

Emission category: M4

MIF scaled E-field

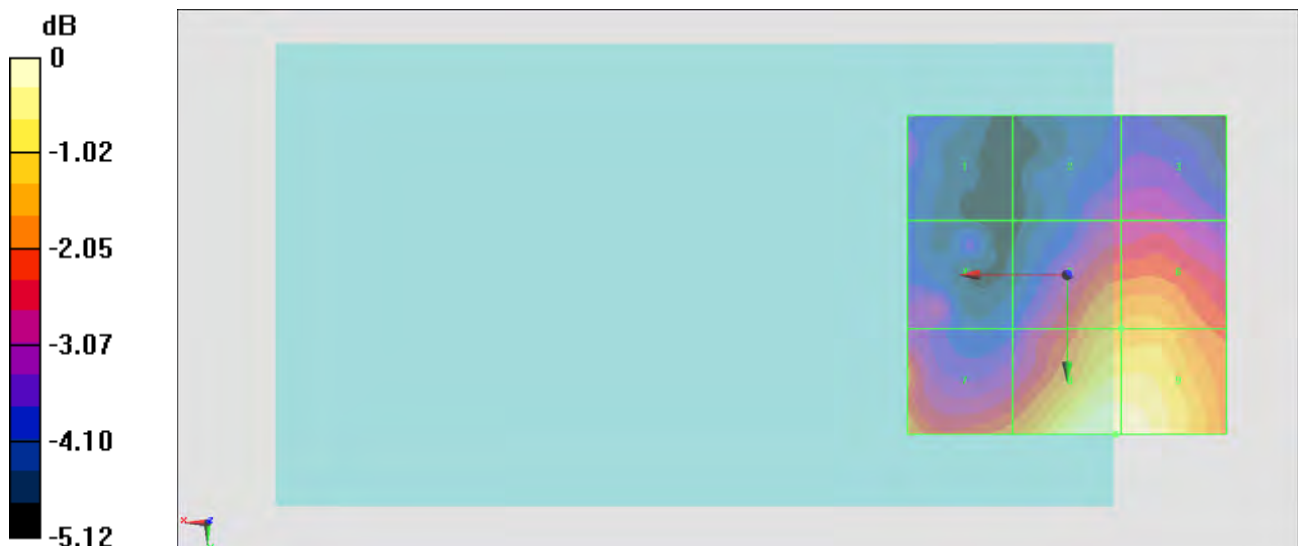
Grid 1 M4 21.57 dBV/m	Grid 2 M4 21.85 dBV/m	Grid 3 M4 21.93 dBV/m
Grid 4 M4 21.83 dBV/m	Grid 5 M4 23.57 dBV/m	Grid 6 M4 23.65 dBV/m
Grid 7 M4 23.34 dBV/m	Grid 8 M4 24.84 dBV/m	Grid 9 M4 24.83 dBV/m

Cursor:

Total = 24.84 dBV/m

E Category: M4

Location: -7.5, 25, 8.7 mm



$$0 \text{ dB} = 17.46 \text{ V/m} = 24.84 \text{ dBV/m}$$