

#04_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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2014/6/18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2014/5/19
- 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 = 67.60 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.42 dBV/m

Emission category: M4

MIF scaled E-field

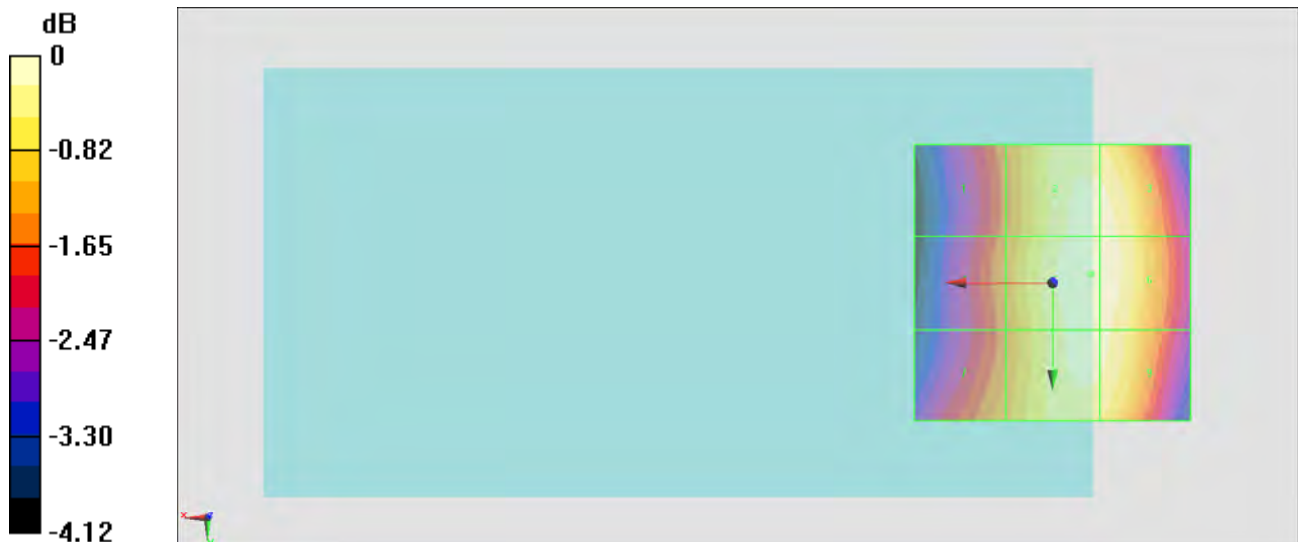
Grid 1 M4 37.02 dBV/m	Grid 2 M4 38.33 dBV/m	Grid 3 M4 38.32 dBV/m
Grid 4 M4 37.12 dBV/m	Grid 5 M4 38.42 dBV/m	Grid 6 M4 38.4 dBV/m
Grid 7 M4 37.28 dBV/m	Grid 8 M4 38.28 dBV/m	Grid 9 M4 38.26 dBV/m

Cursor:

Total = 38.42 dBV/m

E Category: M4

Location: -7, -1.5, 8.7 mm



0 dB = 83.33 V/m = 38.42 dBV/m

#05_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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2014/6/18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2014/5/19
- 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 = 67.60 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.41 dBV/m

Emission category: M4

MIF scaled E-field

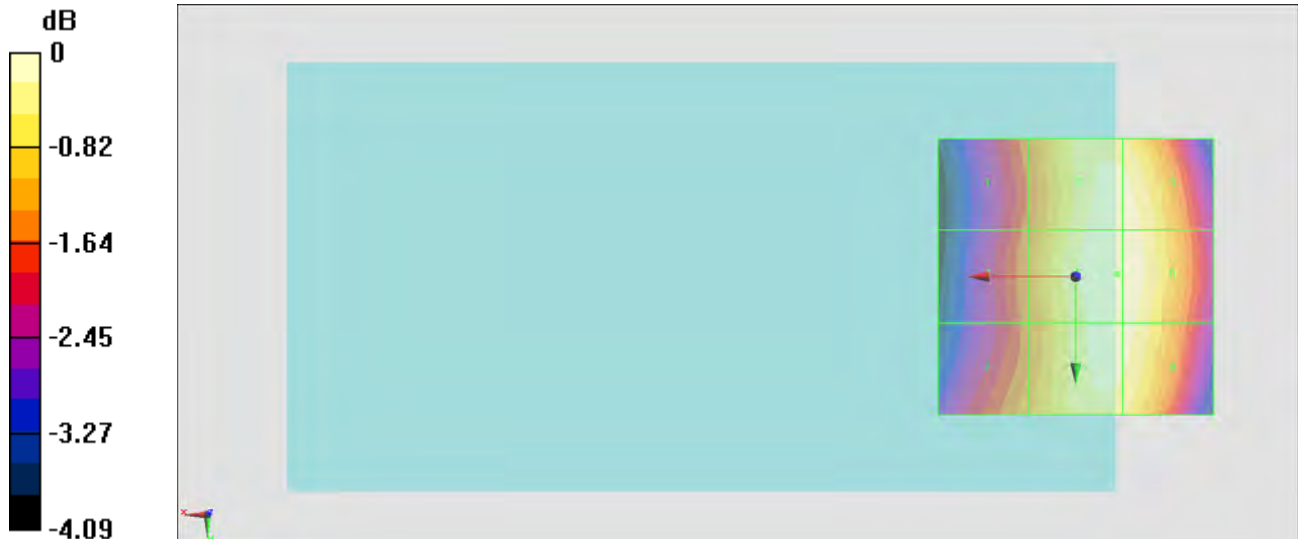
Grid 1 M4 37 dBV/m	Grid 2 M4 38.33 dBV/m	Grid 3 M4 38.32 dBV/m
Grid 4 M4 37.1 dBV/m	Grid 5 M4 38.41 dBV/m	Grid 6 M4 38.4 dBV/m
Grid 7 M4 37.26 dBV/m	Grid 8 M4 38.29 dBV/m	Grid 9 M4 38.28 dBV/m

Cursor:

Total = 38.41 dBV/m

E Category: M4

Location: -7.5, -0.5, 8.7 mm



0 dB = 83.23 V/m = 38.41 dBV/m

#06_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, $\epsilon_r = 1$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2014/6/18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2014/5/19
- 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 = 65.48 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.20 dBV/m

Emission category: M4

MIF scaled E-field

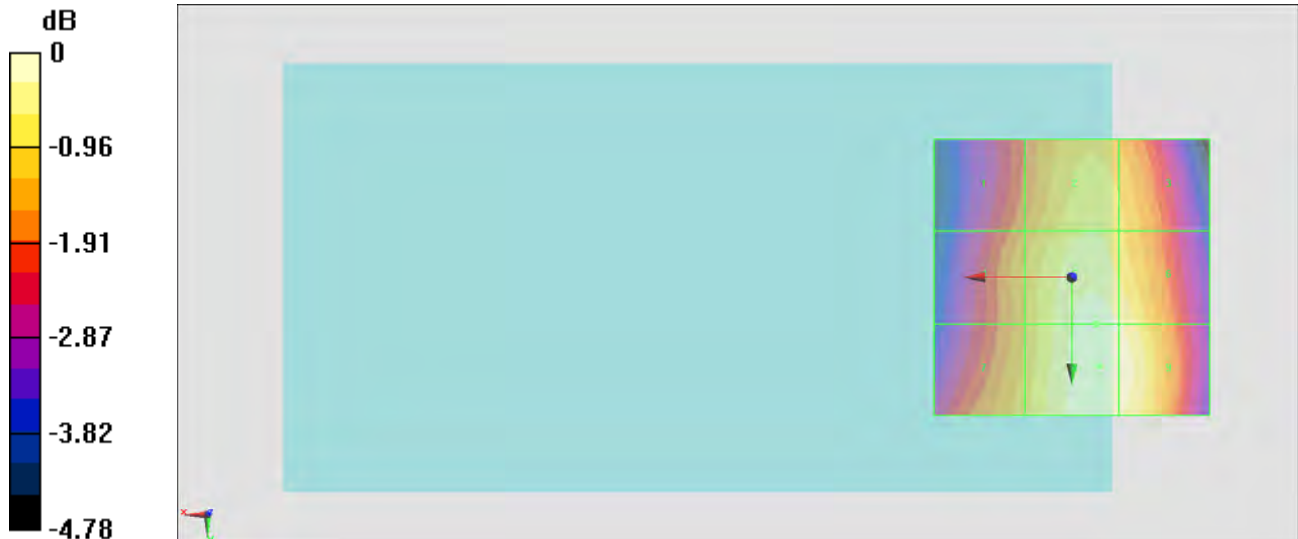
Grid 1 M4 36.65 dBV/m	Grid 2 M4 37.57 dBV/m	Grid 3 M4 37.37 dBV/m
Grid 4 M4 37 dBV/m	Grid 5 M4 38.06 dBV/m	Grid 6 M4 37.92 dBV/m
Grid 7 M4 37.16 dBV/m	Grid 8 M4 38.2 dBV/m	Grid 9 M4 38.13 dBV/m

Cursor:

Total = 38.20 dBV/m

E Category: M4

Location: -5, 16, 8.7 mm



0 dB = 81.27 V/m = 38.20 dBV/m

#01_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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2014/6/18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2014/5/19
- 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 = 12.34 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.38 dBV/m

Emission category: M4

MIF scaled E-field

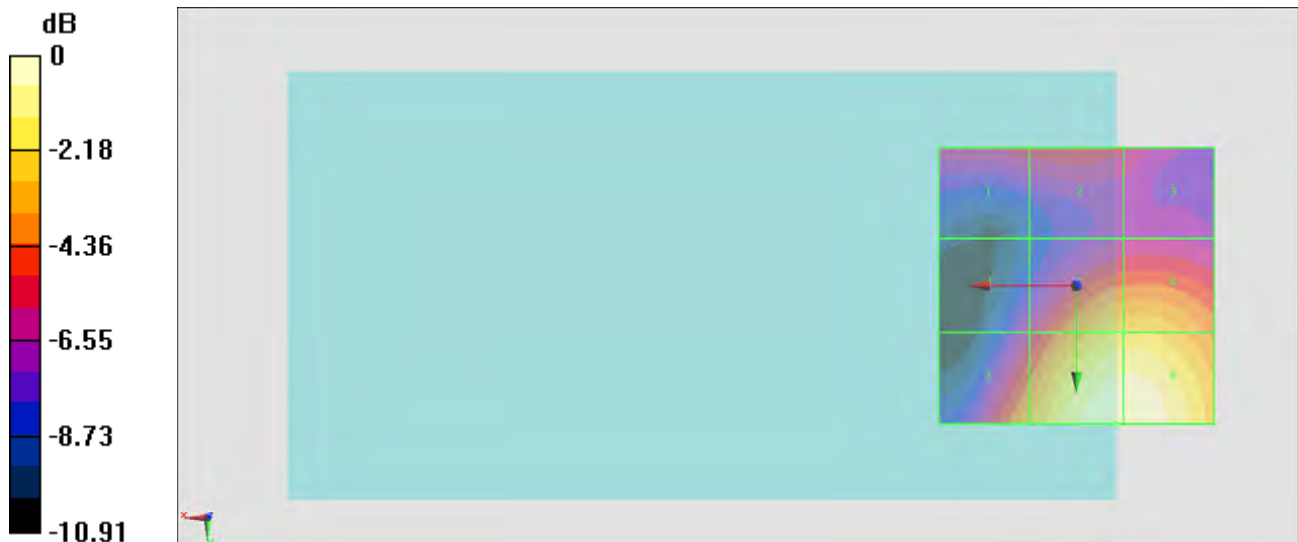
Grid 1 M4 24.08 dBV/m	Grid 2 M4 24.49 dBV/m	Grid 3 M4 23.69 dBV/m
Grid 4 M4 23.26 dBV/m	Grid 5 M4 27.25 dBV/m	Grid 6 M4 27.3 dBV/m
Grid 7 M4 26.47 dBV/m	Grid 8 M4 29.38 dBV/m	Grid 9 M4 29.36 dBV/m

Cursor:

Total = 29.38 dBV/m

E Category: M4

Location: -7, 25, 8.7 mm



0 dB = 29.43 V/m = 29.38 dBV/m

#02_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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2014/6/18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2014/5/19
- 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 = 10.11 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.84 dBV/m

Emission category: M4

MIF scaled E-field

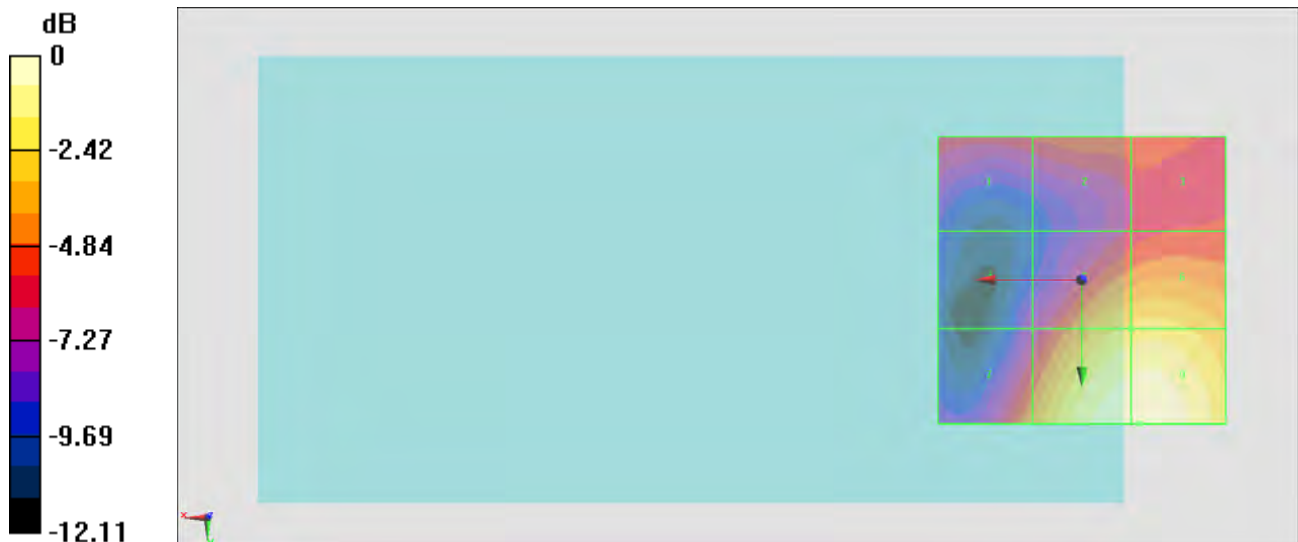
Grid 1 M4 22.42 dBV/m	Grid 2 M4 23.14 dBV/m	Grid 3 M4 23.07 dBV/m
Grid 4 M4 20.69 dBV/m	Grid 5 M4 25.68 dBV/m	Grid 6 M4 25.87 dBV/m
Grid 7 M4 23.96 dBV/m	Grid 8 M4 27.82 dBV/m	Grid 9 M4 27.84 dBV/m

Cursor:

Total = 27.84 dBV/m

E Category: M4

Location: -10, 25, 8.7 mm



0 dB = 24.67 V/m = 27.84 dBV/m

#03_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: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C

DASY5 Configuration

- Probe: ER3DV6 - SN2302; ConvF(1, 1, 1); Calibrated: 2014/6/18;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2014/5/19
- 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 = 9.196 V/m; Power Drift = 0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.02 dBV/m

Emission category: M4

MIF scaled E-field

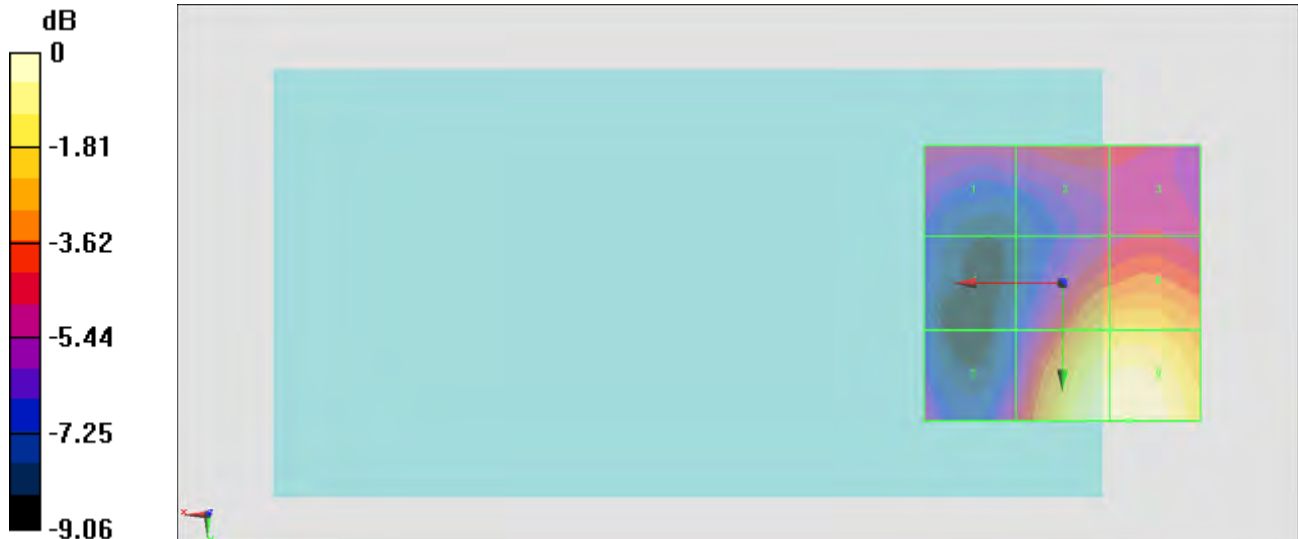
Grid 1 M4 22.31 dBV/m	Grid 2 M4 23.01 dBV/m	Grid 3 M4 22.69 dBV/m
Grid 4 M4 20.39 dBV/m	Grid 5 M4 25.15 dBV/m	Grid 6 M4 25.39 dBV/m
Grid 7 M4 22.11 dBV/m	Grid 8 M4 26.91 dBV/m	Grid 9 M4 27.02 dBV/m

Cursor:

Total = 27.02 dBV/m

E Category: M4

Location: -12, 25, 8.7 mm



0 dB = 22.44 V/m = 27.02 dBV/m