



REPORT No.: SZ21020189S01

Annex D Plots of RF Emission Test Results

HAC RF_GSM850_GSM Voice_Ch128_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2020.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch128/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 = 5.590 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 18.28 dBV/m

Emission category: M4

MIF scaled E-field

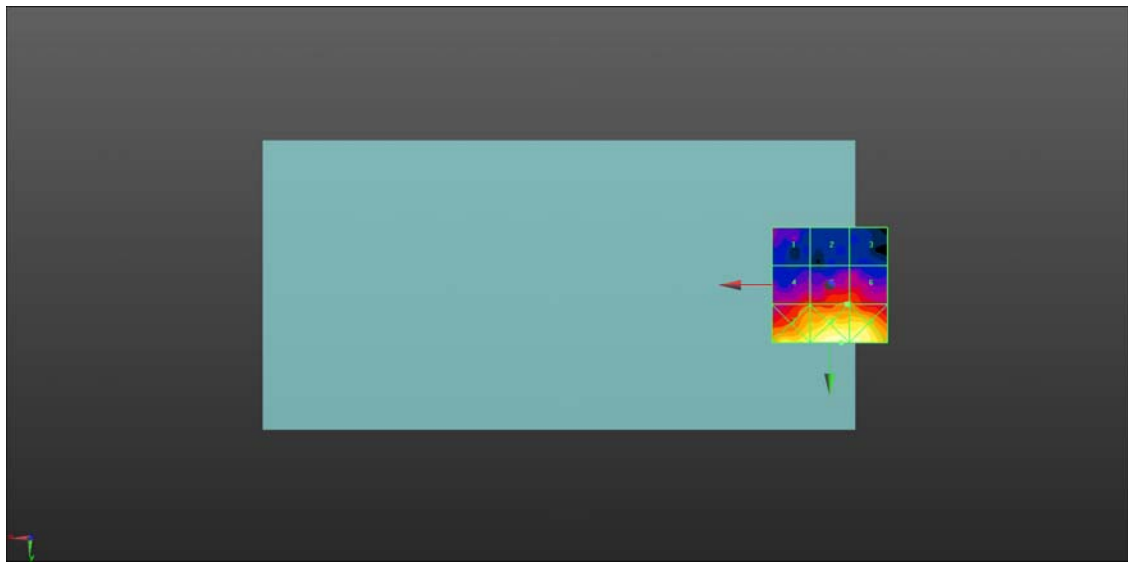
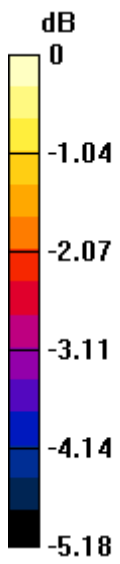
Grid 1 M4 17 dBV/m	Grid 2 M4 16.35 dBV/m	Grid 3 M4 16.38 dBV/m
Grid 4 M4 18.11 dBV/m	Grid 5 M4 18.28 dBV/m	Grid 6 M4 18.27 dBV/m
Grid 7 M4 19.85 dBV/m	Grid 8 M4 20.26 dBV/m	Grid 9 M4 20.23 dBV/m

Cursor:

Total = 20.26 dBV/m

E Category: M4

Location: -5, 25, 8.7 mm



0 dB = 10.30 V/m = 20.26 dBV/m

HAC RF_GSM850_GSM Voice_Ch189_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2020.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/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 = 4.895 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 20.48 dBV/m

Emission category: M4

MIF scaled E-field

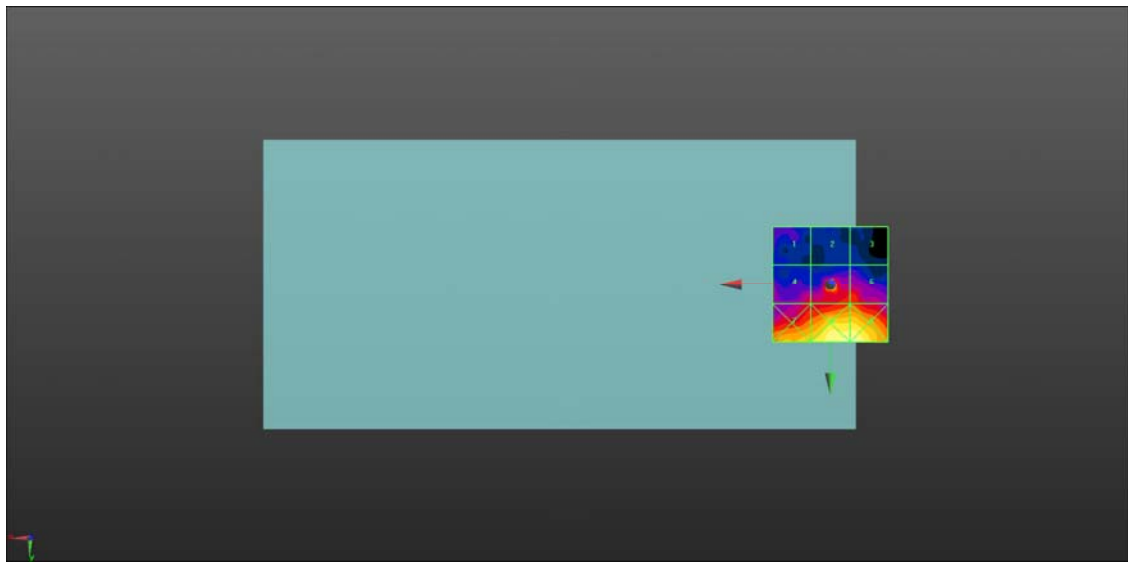
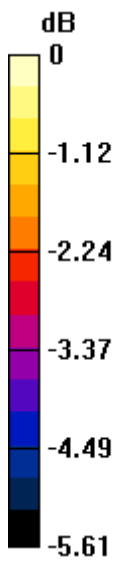
Grid 1 M4 16.78 dBV/m	Grid 2 M4 16.11 dBV/m	Grid 3 M4 16.08 dBV/m
Grid 4 M4 17.66 dBV/m	Grid 5 M4 20.48 dBV/m	Grid 6 M4 18.22 dBV/m
Grid 7 M4 19.41 dBV/m	Grid 8 M4 20.35 dBV/m	Grid 9 M4 20.36 dBV/m

Cursor:

Total = 20.48 dBV/m

E Category: M4

Location: 0, 0.5, 8.7 mm



0 dB = 10.57 V/m = 20.48 dBV/m

HAC RF_GSM850_GSM Voice_Ch251_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2020.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/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 = 5.177 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 18.10 dBV/m

Emission category: M4

MIF scaled E-field

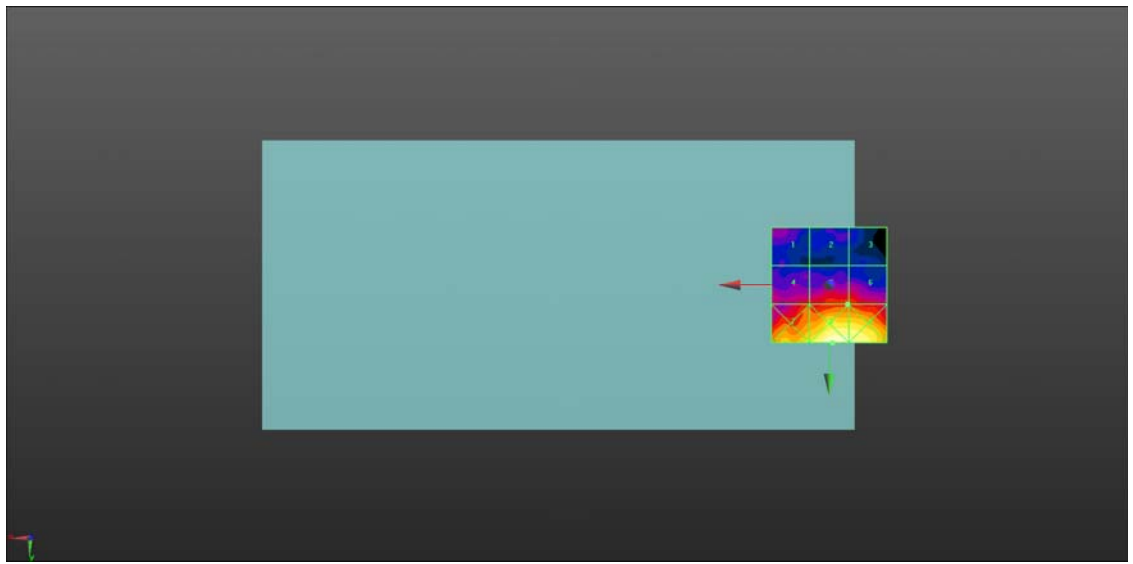
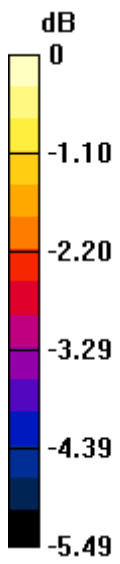
Grid 1 M4 16.87 dBV/m	Grid 2 M4 16.67 dBV/m	Grid 3 M4 16.43 dBV/m
Grid 4 M4 17.95 dBV/m	Grid 5 M4 18.1 dBV/m	Grid 6 M4 18.1 dBV/m
Grid 7 M4 19.55 dBV/m	Grid 8 M4 20.4 dBV/m	Grid 9 M4 20.19 dBV/m

Cursor:

Total = 20.40 dBV/m

E Category: M4

Location: -1.5, 25, 8.7 mm



0 dB = 10.47 V/m = 20.40 dBV/m

HAC RF_GSM1900_GSM Voice_Ch512_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2020.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch512/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 = 7.533 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 19.47 dBV/m

Emission category: M4

MIF scaled E-field

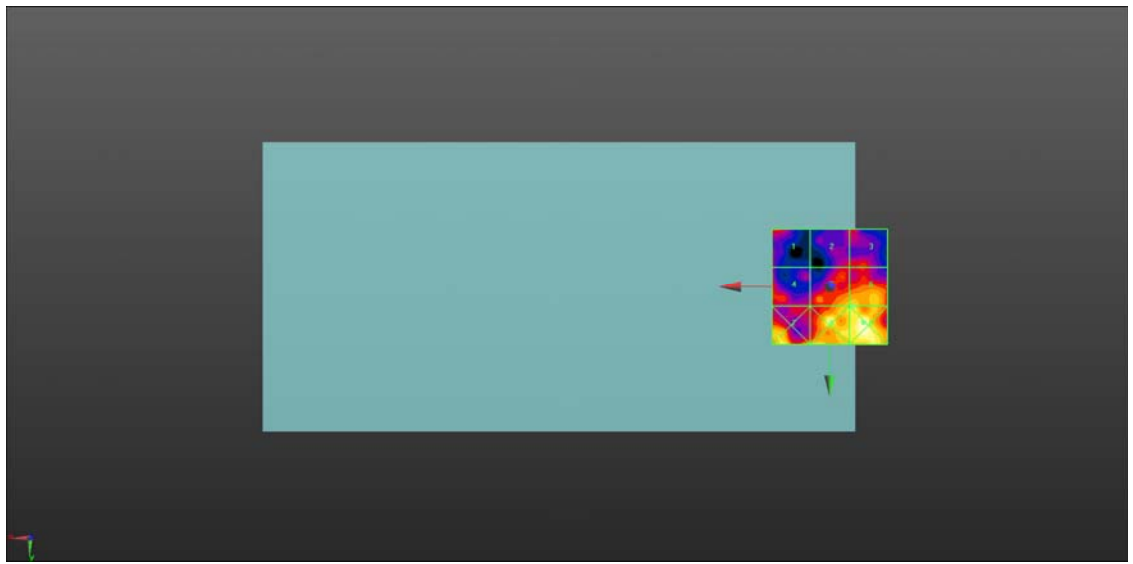
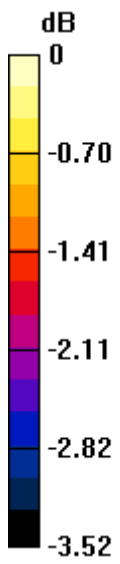
Grid 1 M4 18.56 dBV/m	Grid 2 M4 18.96 dBV/m	Grid 3 M4 19.06 dBV/m
Grid 4 M4 19.48 dBV/m	Grid 5 M4 19.29 dBV/m	Grid 6 M4 19.47 dBV/m
Grid 7 M4 20.84 dBV/m	Grid 8 M4 19.73 dBV/m	Grid 9 M4 18.94 dBV/m

Cursor:

Total = 20.84 dBV/m

E Category: M4

Location: 22.5, 25, 8.7 mm



0 dB = 11.01 V/m = 20.84 dBV/m

HAC RF_GSM1900_GSM Voice_Ch661_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2020.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/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 = 6.439 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 18.66 dBV/m

Emission category: M4

MIF scaled E-field

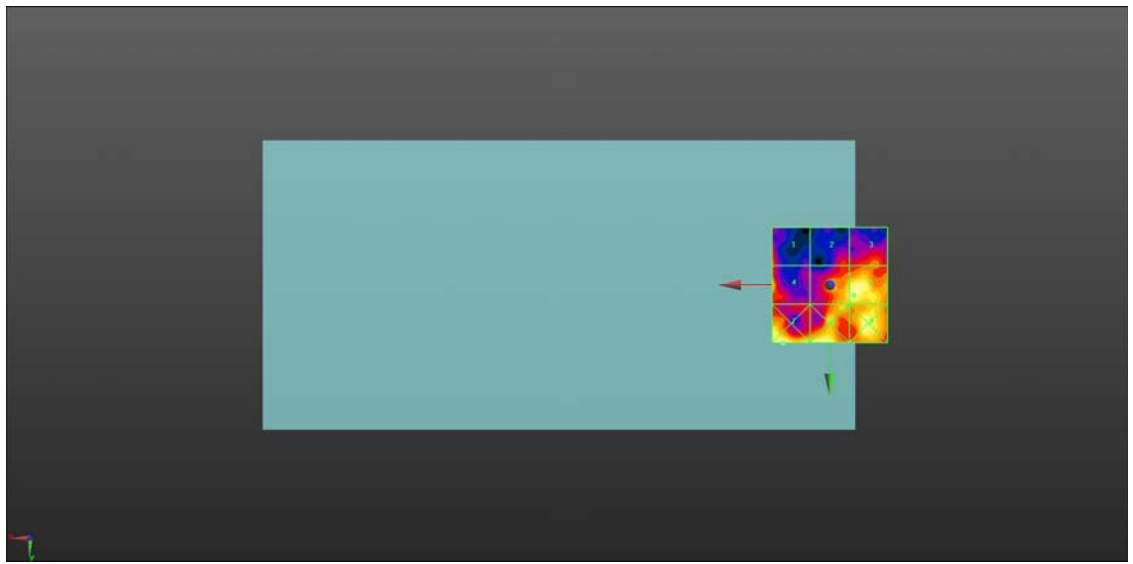
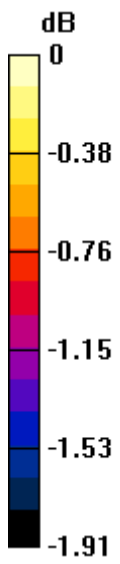
Grid 1 M4 18.22 dBV/m	Grid 2 M4 17.96 dBV/m	Grid 3 M4 18.1 dBV/m
Grid 4 M4 18.49 dBV/m	Grid 5 M4 18.53 dBV/m	Grid 6 M4 18.66 dBV/m
Grid 7 M4 18.77 dBV/m	Grid 8 M4 18.75 dBV/m	Grid 9 M4 18.61 dBV/m

Cursor:

Total = 18.77 dBV/m

E Category: M4

Location: 20, 25, 8.7 mm



0 dB = 8.675 V/m = 18.77 dBV/m

HAC RF_GSM1900_GSM Voice_Ch810_E

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2020.06.23;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2020.06.02
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/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 = 5.607 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 17.89 dBV/m

Emission category: M4

MIF scaled E-field

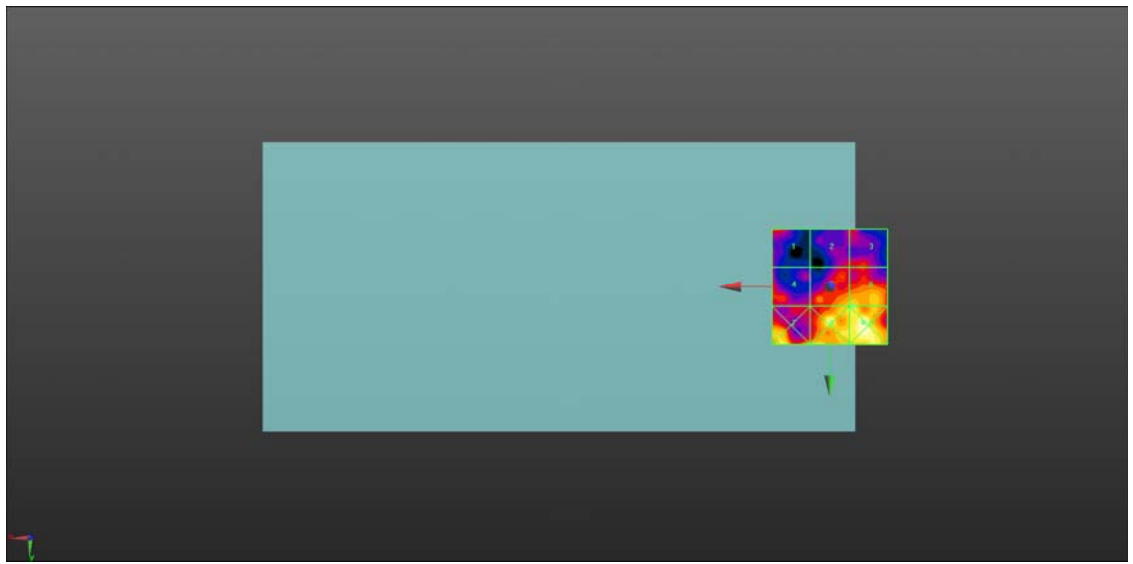
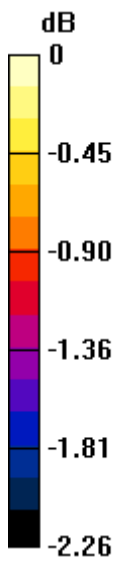
Grid 1 M4 17.42 dBV/m	Grid 2 M4 17.2 dBV/m	Grid 3 M4 17.33 dBV/m
Grid 4 M4 17.39 dBV/m	Grid 5 M4 17.86 dBV/m	Grid 6 M4 17.89 dBV/m
Grid 7 M4 17.94 dBV/m	Grid 8 M4 18.2 dBV/m	Grid 9 M4 18.31 dBV/m

Cursor:

Total = 18.31 dBV/m

E Category: M4

Location: -14.5, 15.5, 8.7 mm



0 dB = 8.228 V/m = 18.31 dBV/m