



Appendix B

Detailed Test Results

1. GSM
GSM850 for E-Field Emission
GSM1900 for E-Field Emission
2. WiFi
WiFi 2.4G for E-Field Emission

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-GSM850 GSM Voice 128CH**DUT: TA-1333; Type: Mobile Phone; Serial: H08193800000006**

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 49.66 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.15 dBV/m

Emission category: M4

MIF scaled E-field

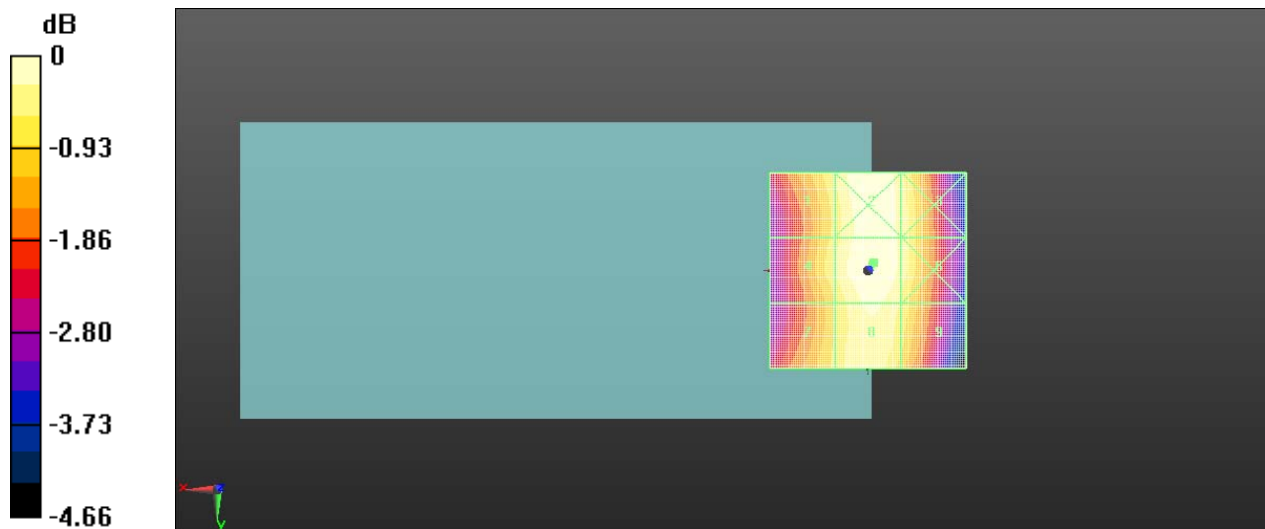
Grid 1 M4 34.56 dBV/m	Grid 2 M4 35.12 dBV/m	Grid 3 M4 34.73 dBV/m
Grid 4 M4 34.55 dBV/m	Grid 5 M4 35.15 dBV/m	Grid 6 M4 34.74 dBV/m
Grid 7 M4 34.32 dBV/m	Grid 8 M4 34.89 dBV/m	Grid 9 M4 34.47 dBV/m

Cursor:

Total = 35.15 dBV/m

E Category: M4

Location: -1.5, -2, 7.7 mm



0 dB = 57.23 V/m = 35.15 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-GSM850 GSM Voice 190CH

DUT: TA-1333; Type: Mobile Phone; Serial: H081938000000006

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 53.89 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.16 dBV/m

Emission category: M4

MIF scaled E-field

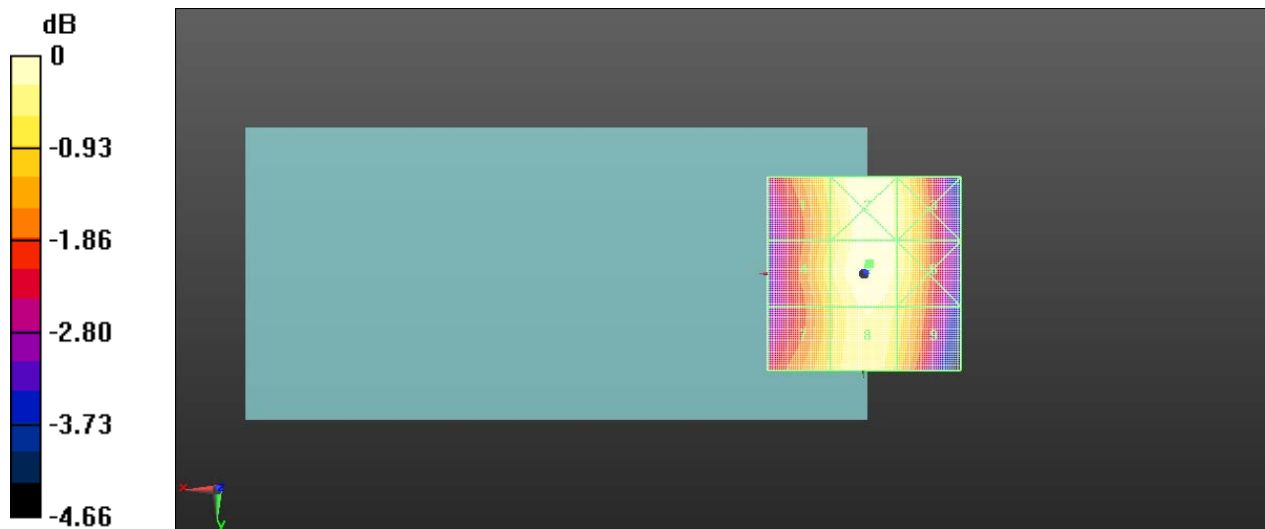
Grid 1 M4 34.48 dBV/m	Grid 2 M4 35.14 dBV/m	Grid 3 M4 34.79 dBV/m
Grid 4 M4 34.49 dBV/m	Grid 5 M4 35.16 dBV/m	Grid 6 M4 34.81 dBV/m
Grid 7 M4 34.34 dBV/m	Grid 8 M4 34.89 dBV/m	Grid 9 M4 34.5 dBV/m

Cursor:

Total = 35.16 dBV/m

E Category: M4

Location: -1.5, -2.5, 7.7 mm



0 dB = 57.30 V/m = 35.16 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-GSM850 GSM Voice 251CH

DUT: TA-1333; Type: Mobile Phone; Serial: H081938000000006

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 52.17 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.61 dBV/m

Emission category: M4

MIF scaled E-field

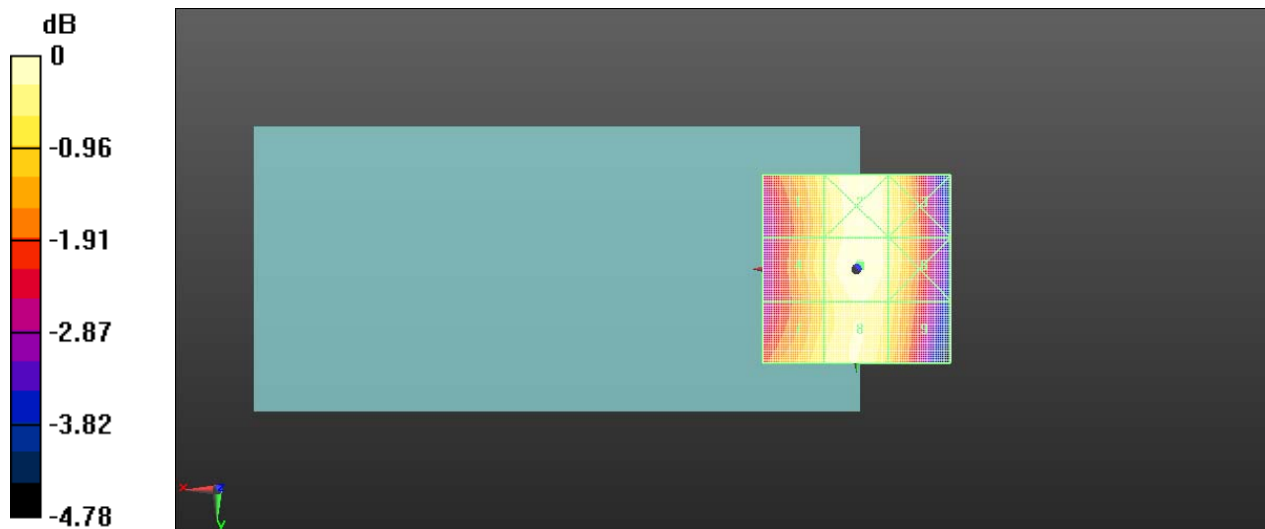
Grid 1 M4 34.93 dBV/m	Grid 2 M4 35.52 dBV/m	Grid 3 M4 35.13 dBV/m
Grid 4 M4 35.01 dBV/m	Grid 5 M4 35.61 dBV/m	Grid 6 M4 35.15 dBV/m
Grid 7 M4 34.98 dBV/m	Grid 8 M4 35.32 dBV/m	Grid 9 M4 34.88 dBV/m

Cursor:

Total = 35.61 dBV/m

E Category: M4

Location: -1, -1, 7.7 mm



0 dB = 60.31 V/m = 35.61 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-GSM850 GSM Voice 251CH Sample2

DUT: TA-1333; Type: Mobile Phone; Serial: H09173800000024

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 56.04 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.06 dBV/m

Emission category: M4

MIF scaled E-field

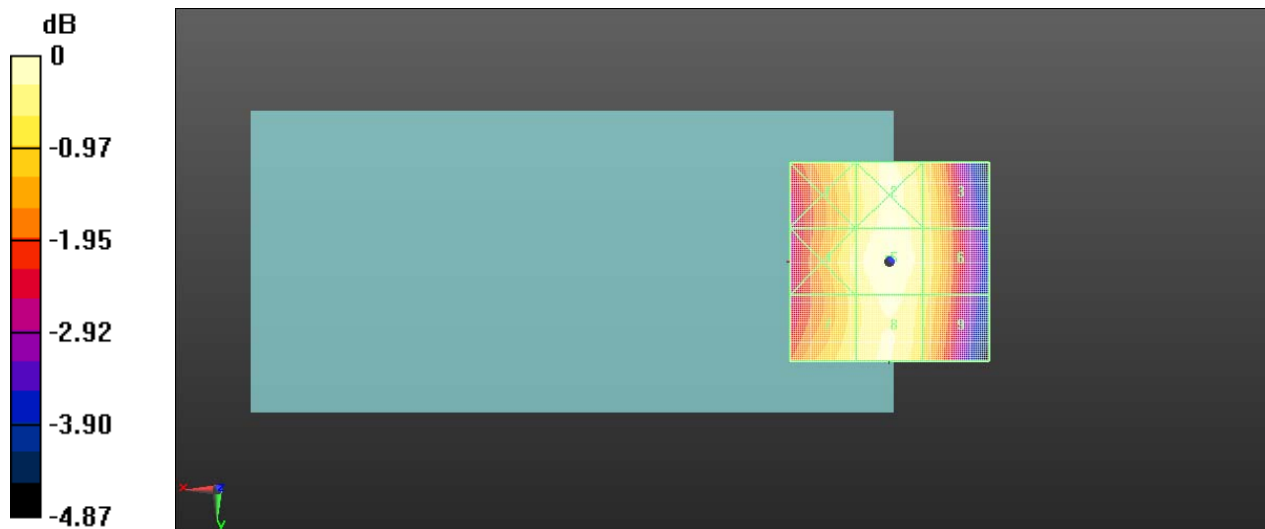
Grid 1 M4 35.33 dBV/m	Grid 2 M4 35.88 dBV/m	Grid 3 M4 35.38 dBV/m
Grid 4 M4 35.57 dBV/m	Grid 5 M4 36.06 dBV/m	Grid 6 M4 35.49 dBV/m
Grid 7 M4 35.49 dBV/m	Grid 8 M4 35.82 dBV/m	Grid 9 M4 35.27 dBV/m

Cursor:

Total = 36.06 dBV/m

E Category: M4

Location: 0, -0.5, 7.7 mm



0 dB = 63.54 V/m = 36.06 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-GSM1900 GSM Voice 512CH**DUT: TA-1333; Type: Mobile Phone; Serial: H08193800000006**

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 28.73 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.05 dBV/m

Emission category: M3

MIF scaled E-field

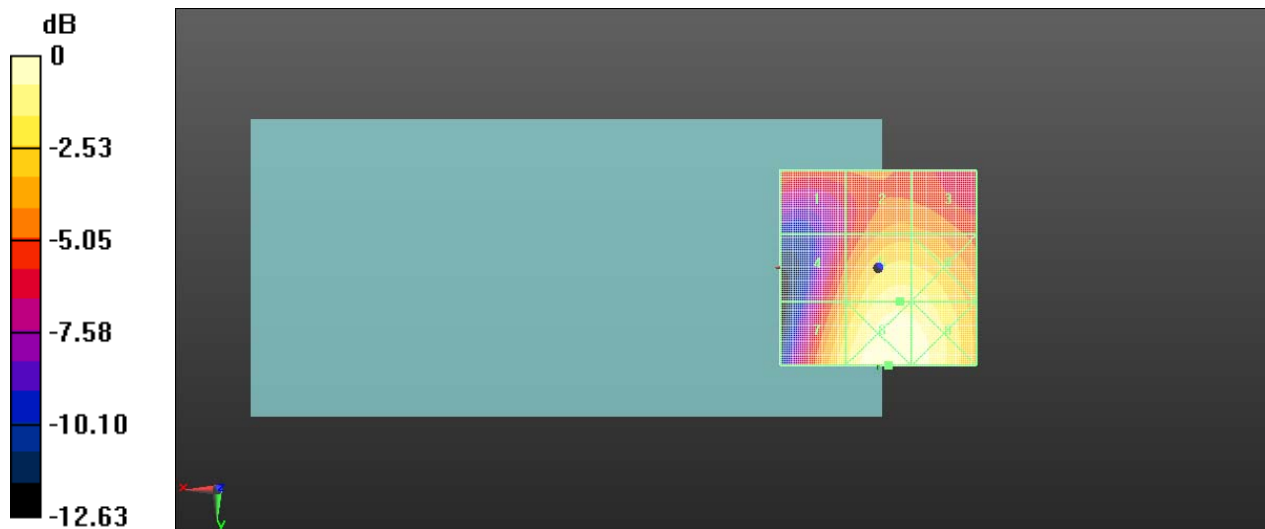
Grid 1 M4 28.42 dBV/m	Grid 2 M4 29.49 dBV/m	Grid 3 M4 29.39 dBV/m
Grid 4 M4 29.4 dBV/m	Grid 5 M3 32.05 dBV/m	Grid 6 M3 31.93 dBV/m
Grid 7 M3 31.42 dBV/m	Grid 8 M3 33.18 dBV/m	Grid 9 M3 32.91 dBV/m

Cursor:

Total = 33.18 dBV/m

E Category: M3

Location: -2.5, 25, 7.7 mm



0 dB = 45.61 V/m = 33.18 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-GSM1900 GSM Voice 661CH**DUT: TA-1333; Type: Mobile Phone; Serial: H081938000000006**

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 24.98 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.84 dBV/m

Emission category: M3

MIF scaled E-field

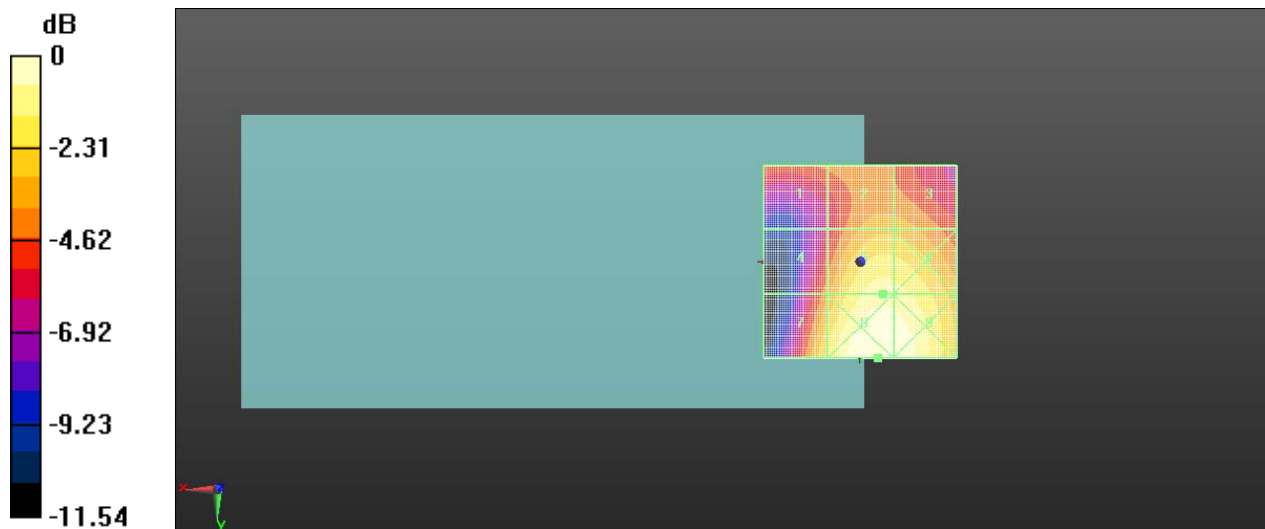
Grid 1 M4 27.55 dBV/m	Grid 2 M4 28.61 dBV/m	Grid 3 M4 28.58 dBV/m
Grid 4 M4 28.01 dBV/m	Grid 5 M3 30.84 dBV/m	Grid 6 M3 30.76 dBV/m
Grid 7 M4 29.89 dBV/m	Grid 8 M3 31.9 dBV/m	Grid 9 M3 31.7 dBV/m

Cursor:

Total = 31.90 dBV/m

E Category: M3

Location: -4.5, 25, 7.7 mm



0 dB = 39.34 V/m = 31.90 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-GSM1900 GSM Voice 810CH

DUT: TA-1333; Type: Mobile Phone; Serial: H081938000000006

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 23.91 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.57 dBV/m

Emission category: M3

MIF scaled E-field

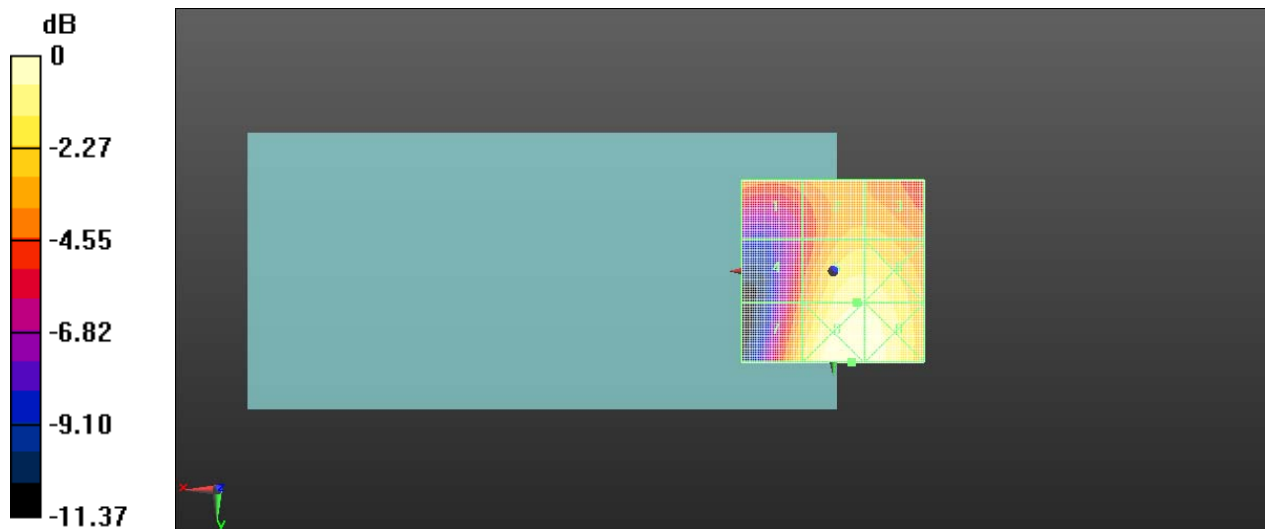
Grid 1 M4 27.54 dBV/m	Grid 2 M4 28.8 dBV/m	Grid 3 M4 28.8 dBV/m
Grid 4 M4 27.38 dBV/m	Grid 5 M3 30.57 dBV/m	Grid 6 M3 30.53 dBV/m
Grid 7 M4 29.24 dBV/m	Grid 8 M3 31.4 dBV/m	Grid 9 M3 31.28 dBV/m

Cursor:

Total = 31.40 dBV/m

E Category: M3

Location: -5, 25, 7.7 mm



0 dB = 37.15 V/m = 31.40 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-GSM1900 GSM Voice 512CH Sample2

DUT: TA-1333; Type: Mobile Phone; Serial: H09173800000024

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 28.58 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.64 dBV/m

Emission category: M3

MIF scaled E-field

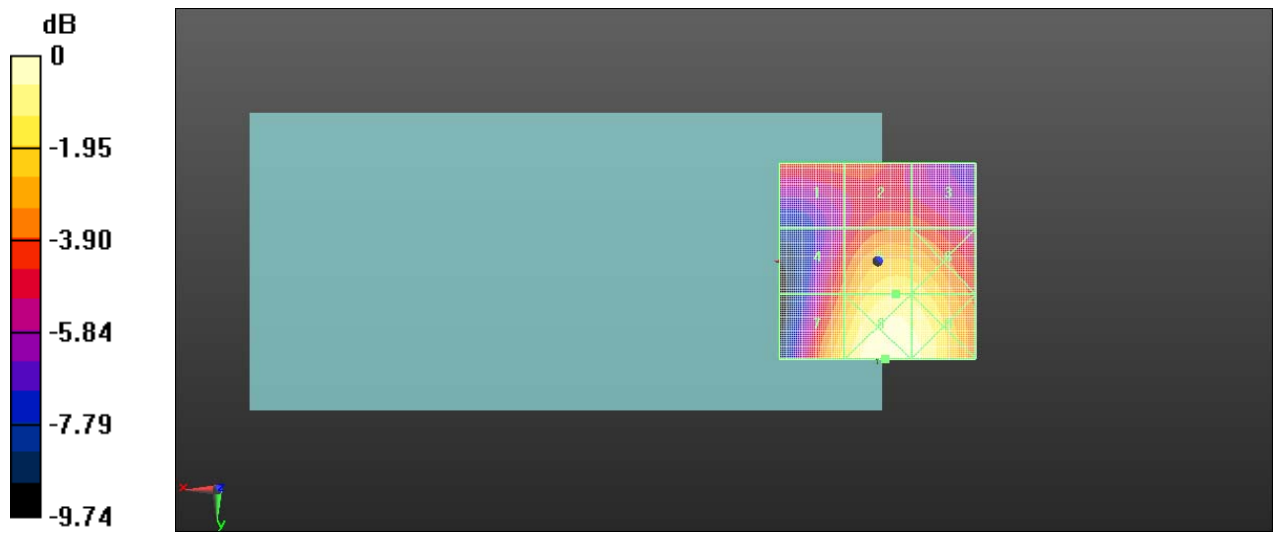
Grid 1 M4 28.86 dBV/m	Grid 2 M4 29.01 dBV/m	Grid 3 M4 28.92 dBV/m
Grid 4 M4 29.56 dBV/m	Grid 5 M3 31.64 dBV/m	Grid 6 M3 31.47 dBV/m
Grid 7 M3 31.34 dBV/m	Grid 8 M3 32.93 dBV/m	Grid 9 M3 32.58 dBV/m

Cursor:

Total = 32.93 dBV/m

E Category: M3

Location: -2, 25, 7.7 mm



0 dB = 44.30 V/m = 32.93 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-WiFi 2.4G 802.11g 1CH

DUT: TA-1333; Type: Mobile Phone; Serial: H081938000000006

Communication System: UID 10077 - CAB, 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, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 36.20 V/m; Power Drift = -0.01 dB

Applied MIF = 0.12 dB

RF audio interference level = 28.81 dBV/m

Emission category: M4

MIF scaled E-field

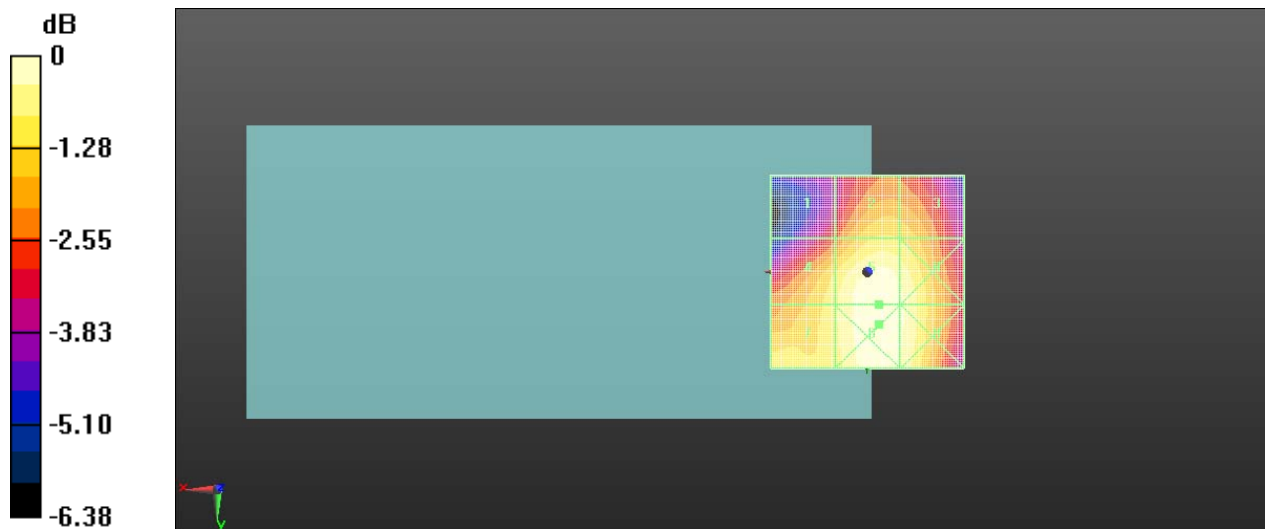
Grid 1 M4 26.17 dBV/m	Grid 2 M4 27.66 dBV/m	Grid 3 M4 27.55 dBV/m
Grid 4 M4 27.88 dBV/m	Grid 5 M4 28.81 dBV/m	Grid 6 M4 28.51 dBV/m
Grid 7 M4 27.93 dBV/m	Grid 8 M4 28.83 dBV/m	Grid 9 M4 28.51 dBV/m

Cursor:

Total = 28.83 dBV/m

E Category: M4

Location: -3, 13.5, 7.7 mm



0 dB = 27.64 V/m = 28.83 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-WiFi 2.4G 802.11g 6CH

DUT: TA-1333; Type: Mobile Phone; Serial: H081938000000006

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2437 MHz; Duty Cycle: 1:12.5893

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 33.07 V/m; Power Drift = 0.03 dB

Applied MIF = 0.12 dB

RF audio interference level = 28.00 dBV/m

Emission category: M4

MIF scaled E-field

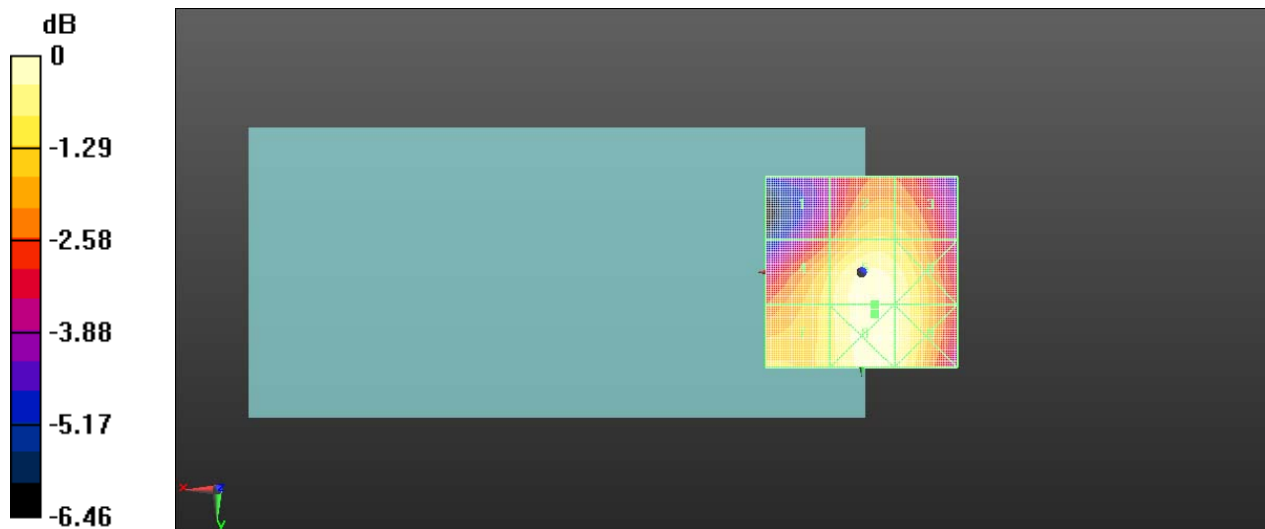
Grid 1 M4 25.33 dBV/m	Grid 2 M4 26.82 dBV/m	Grid 3 M4 26.7 dBV/m
Grid 4 M4 27 dBV/m	Grid 5 M4 28 dBV/m	Grid 6 M4 27.71 dBV/m
Grid 7 M4 27.01 dBV/m	Grid 8 M4 28.02 dBV/m	Grid 9 M4 27.73 dBV/m

Cursor:

Total = 28.02 dBV/m

E Category: M4

Location: -3.5, 11, 7.7 mm



0 dB = 25.16 V/m = 28.01 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-WiFi 2.4G 802.11g 11CH

DUT: TA-1333; Type: Mobile Phone; Serial: H081938000000006

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:12.5893

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 37.39 V/m; Power Drift = -0.03 dB

Applied MIF = 0.12 dB

RF audio interference level = 29.12 dBV/m

Emission category: M4

MIF scaled E-field

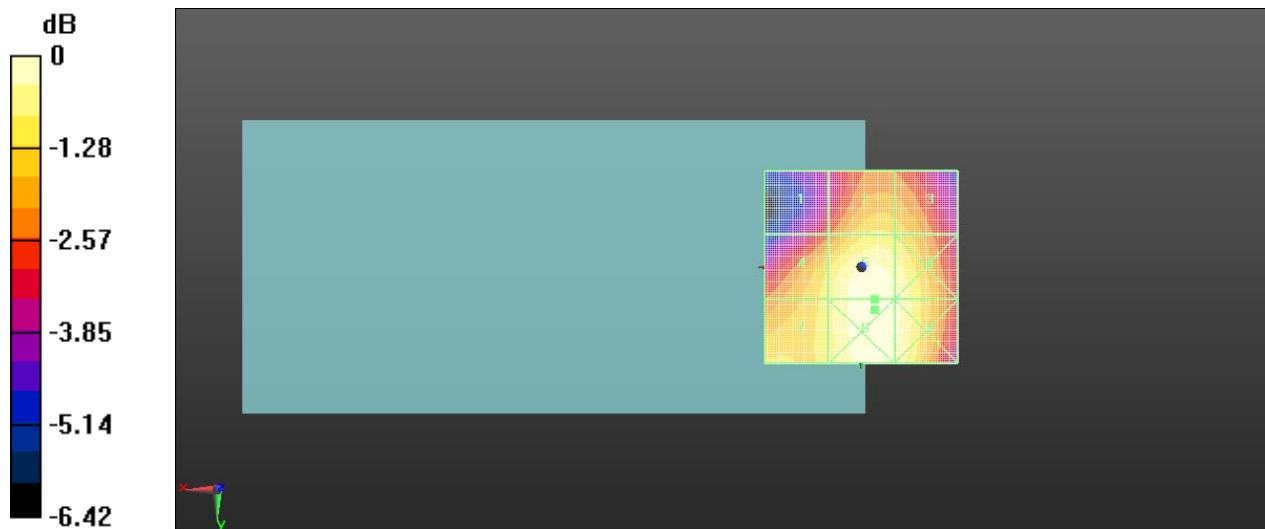
Grid 1 M4 26.48 dBV/m	Grid 2 M4 27.97 dBV/m	Grid 3 M4 27.8 dBV/m
Grid 4 M4 28.12 dBV/m	Grid 5 M4 29.12 dBV/m	Grid 6 M4 28.83 dBV/m
Grid 7 M4 28.14 dBV/m	Grid 8 M4 29.13 dBV/m	Grid 9 M4 28.86 dBV/m

Cursor:

Total = 29.13 dBV/m

E Category: M4

Location: -3.5, 11, 7.7 mm



0 dB = 28.62 V/m = 29.13 dBV/m

Test Laboratory: SGS-SAR Lab

TA-1333 HAC-RF-WiFi 2.4G 802.11g 11CH Sample2

DUT: TA-1333; Type: Mobile Phone; Serial: H091738000000024

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); Frequency: 2462 MHz; Duty Cycle: 1:12.5893

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

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

Device E-Field measurement/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 = 30.50 V/m; Power Drift = -0.03 dB

Applied MIF = 0.12 dB

RF audio interference level = 27.71 dBV/m

Emission category: M4

MIF scaled E-field

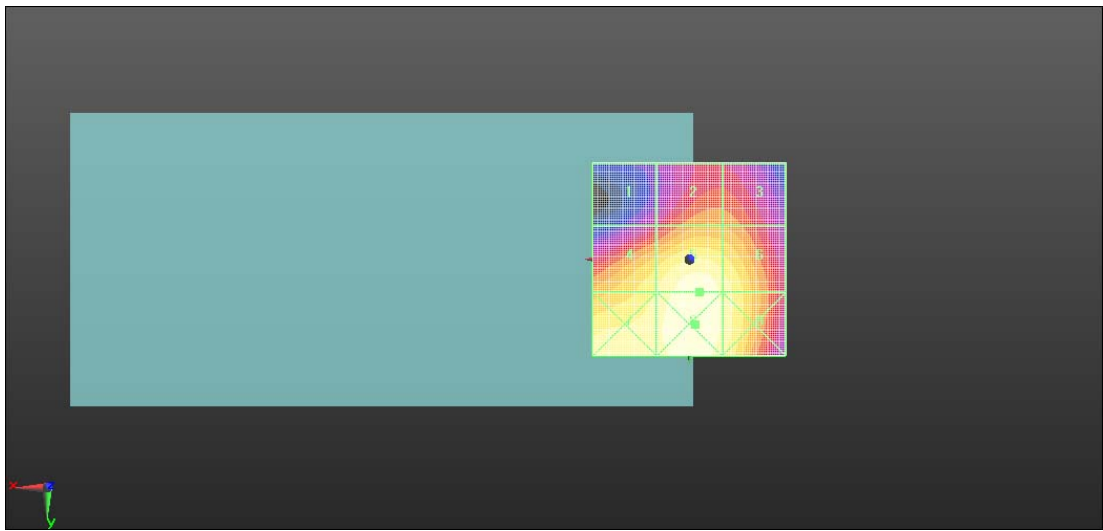
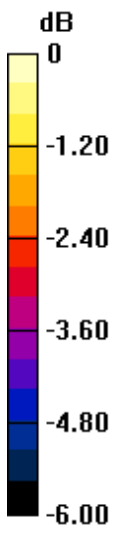
Grid 1 M4 24.65 dBV/m	Grid 2 M4 25.93 dBV/m	Grid 3 M4 25.85 dBV/m
Grid 4 M4 27.05 dBV/m	Grid 5 M4 27.71 dBV/m	Grid 6 M4 27.32 dBV/m
Grid 7 M4 27.4 dBV/m	Grid 8 M4 27.82 dBV/m	Grid 9 M4 27.38 dBV/m

Cursor:

Total = 27.82 dBV/m

E Category: M4

Location: -1.5, 17, 7.7 mm



0 dB = 24.60 V/m = 27.82 dBV/m