



Appendix B

Detailed Test Results

1. GSM
GSM850 for E-Field Emission
GSM1900 for E-Field Emission
2. WLAN
WLAN2.4GHz for E-Field Emission

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-GSM850 128CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10021 - DAB, 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: ER3DV6 - SN2344; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 46.12 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.80 dBV/m

Emission category: M4

MIF scaled E-field

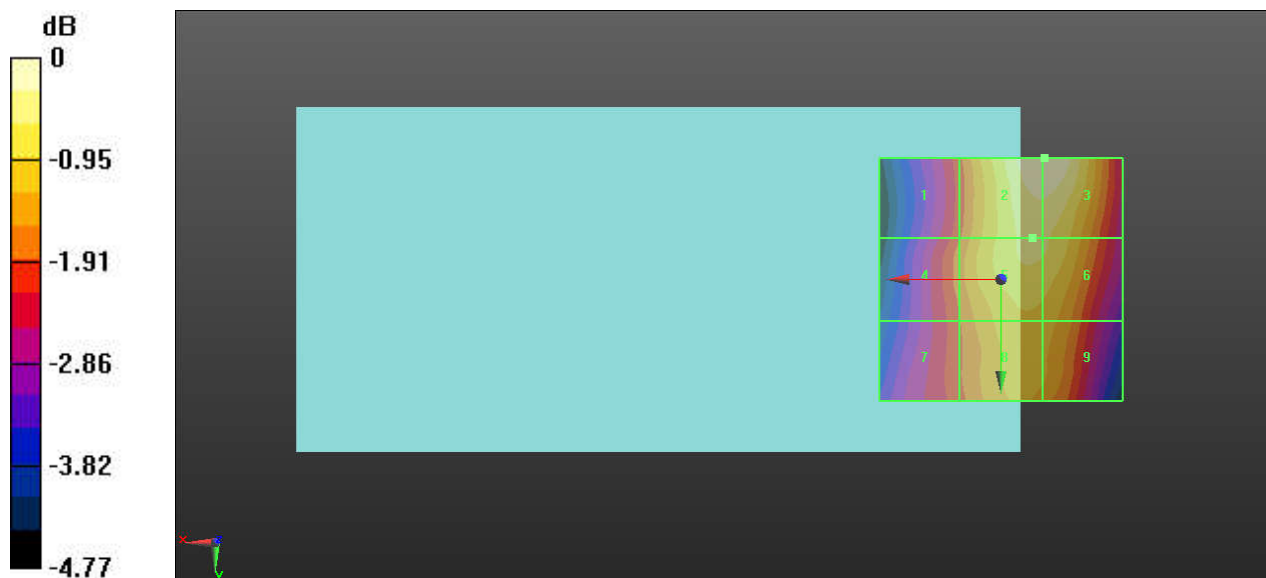
Grid 1 M4 33.87 dBV/m	Grid 2 M4 35.8 dBV/m	Grid 3 M4 35.8 dBV/m
Grid 4 M4 34.09 dBV/m	Grid 5 M4 35.25 dBV/m	Grid 6 M4 35.23 dBV/m
Grid 7 M4 33.88 dBV/m	Grid 8 M4 34.8 dBV/m	Grid 9 M4 34.73 dBV/m

Cursor:

Total = 35.80 dBV/m

E Category: M4

Location: -9, -25, 8.7 mm



0 dB = 61.64 V/m = 35.80 dBV/m

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-GSM850 189CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10021 - DAB, 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: ER3DV6 - SN2344; ConvF(1, 1, 1) @ 836.6 MHz; Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/E Scan - ER3D: 15 mm from Probe Center to the Device 2/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 = 48.34 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.41 dBV/m

Emission category: M4

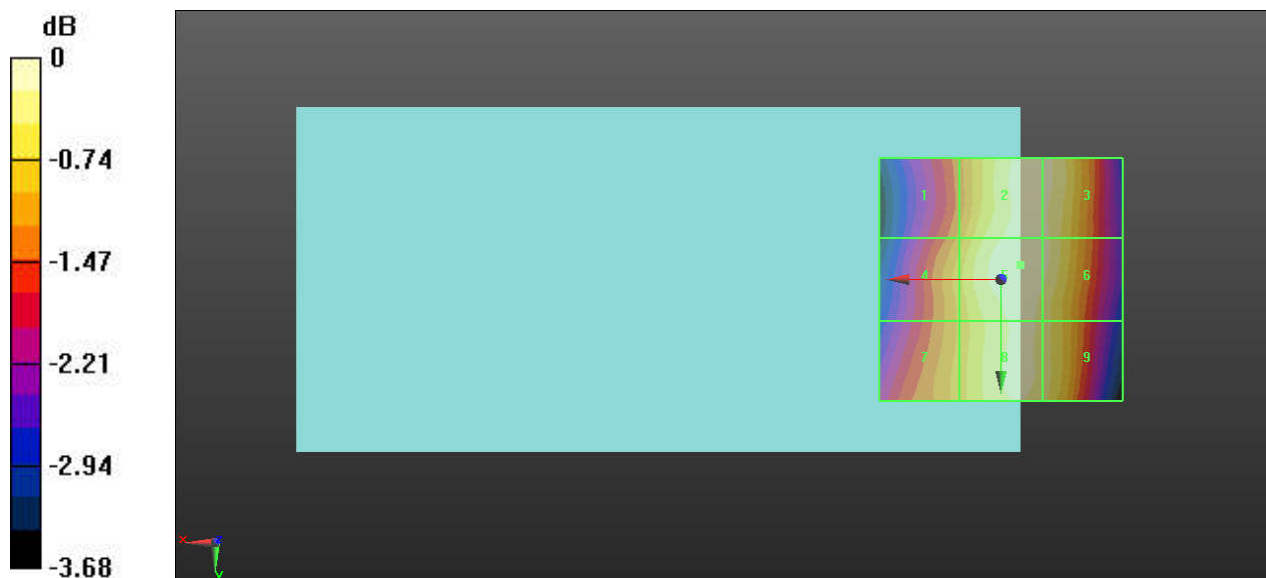
MIF scaled E-field

Grid 1 M4 34.3 dBV/m	Grid 2 M4 35.3 dBV/m	Grid 3 M4 35.29 dBV/m
Grid 4 M4 34.61 dBV/m	Grid 5 M4 35.41 dBV/m	Grid 6 M4 35.29 dBV/m
Grid 7 M4 34.58 dBV/m	Grid 8 M4 35.26 dBV/m	Grid 9 M4 35.1 dBV/m

Total = 35.41 dBV/m

E Category: M4

Location: -4, -3, 8.7 mm



0 dB = 58.96 V/m = 35.41 dBV/m

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-GSM850 251CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 848.6 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: ER3DV6 - SN2344; ConvF(1, 1, 1) @ 848.6 MHz; Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/E Scan - ER3D: 15 mm from Probe Center to the Device 3/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 = 51.45 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.86 dBV/m

Emission category: M4

MIF scaled E-field

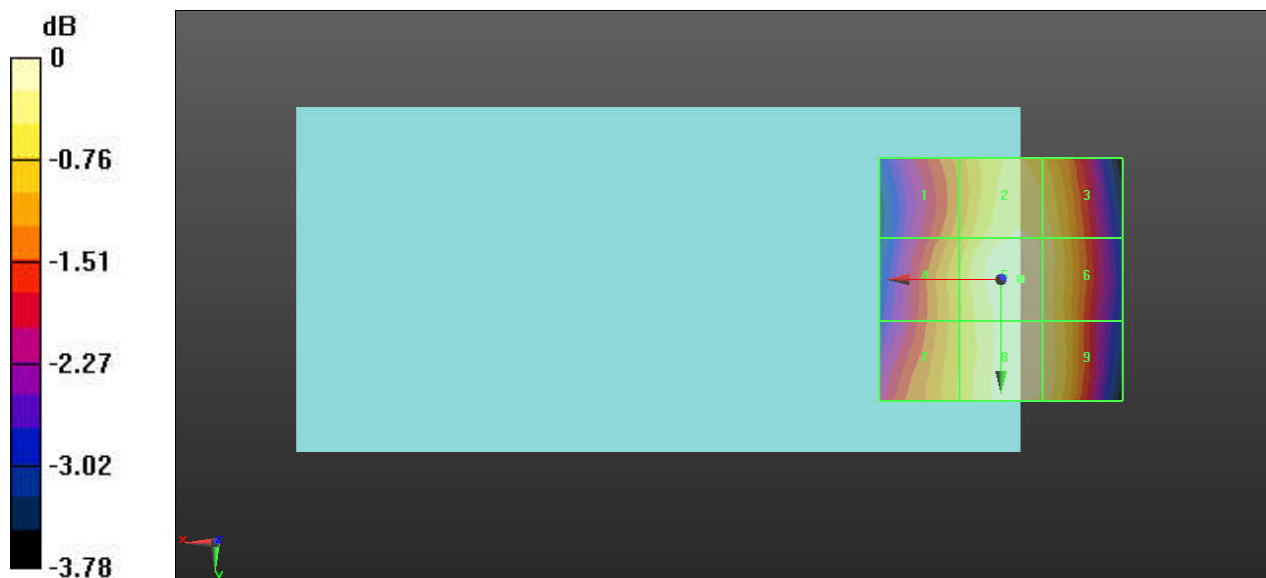
Grid 1 M4 34.86 dBV/m	Grid 2 M4 35.67 dBV/m	Grid 3 M4 35.54 dBV/m
Grid 4 M4 35.17 dBV/m	Grid 5 M4 35.86 dBV/m	Grid 6 M4 35.63 dBV/m
Grid 7 M4 35.16 dBV/m	Grid 8 M4 35.8 dBV/m	Grid 9 M4 35.64 dBV/m

Cursor:

Total = 35.86 dBV/m

E Category: M4

Location: -4, 0, 8.7 mm



0 dB = 62.10 V/m = 35.86 dBV/m

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-GSM1900 512CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10021 - DAB, 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: ER3DV6 - SN2344; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/E Scan - ER3D: 15 mm from Probe Center to the Device 4/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 = 19.89 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.37 dBV/m

Emission category: M4

MIF scaled E-field

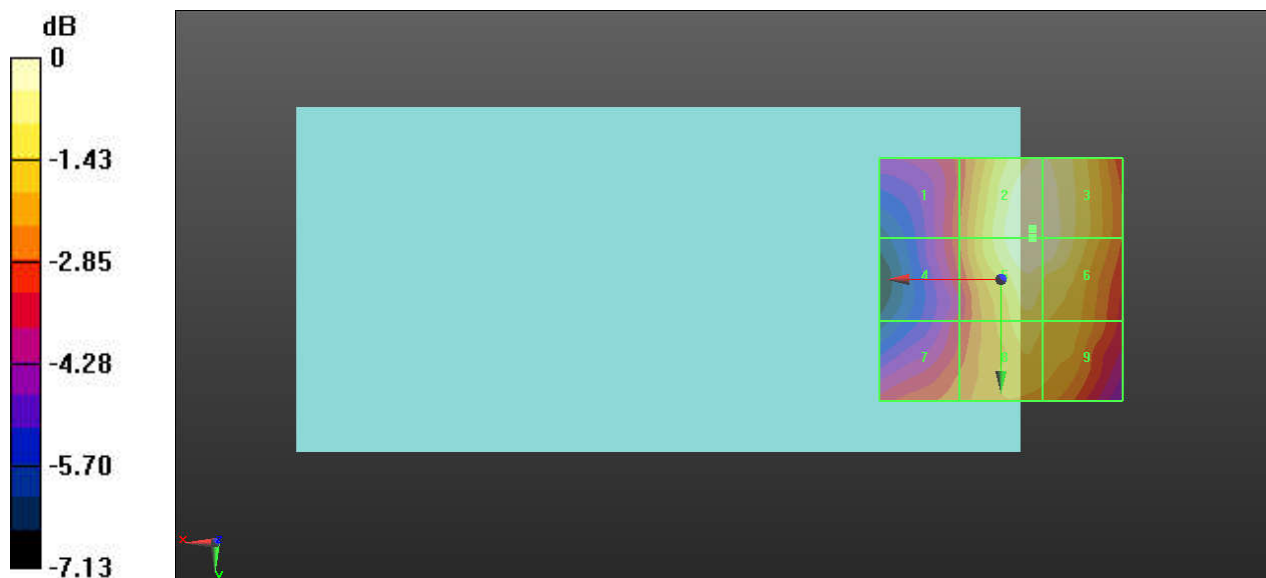
Grid 1 M4 25.5 dBV/m	Grid 2 M4 28.37 dBV/m	Grid 3 M4 28.32 dBV/m
Grid 4 M4 25.5 dBV/m	Grid 5 M4 28.35 dBV/m	Grid 6 M4 28.29 dBV/m
Grid 7 M4 25.81 dBV/m	Grid 8 M4 27.27 dBV/m	Grid 9 M4 27.03 dBV/m

Cursor:

Total = 28.37 dBV/m

E Category: M4

Location: -6.5, -10.5, 8.7 mm



0 dB = 26.21 V/m = 28.37 dBV/m

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-GSM1900 661CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10021 - DAB, 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: ER3DV6 - SN2344; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/E Scan - ER3D: 15 mm from Probe Center to the Device 4/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 = 19.61 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.21 dBV/m

Emission category: M4

MIF scaled E-field

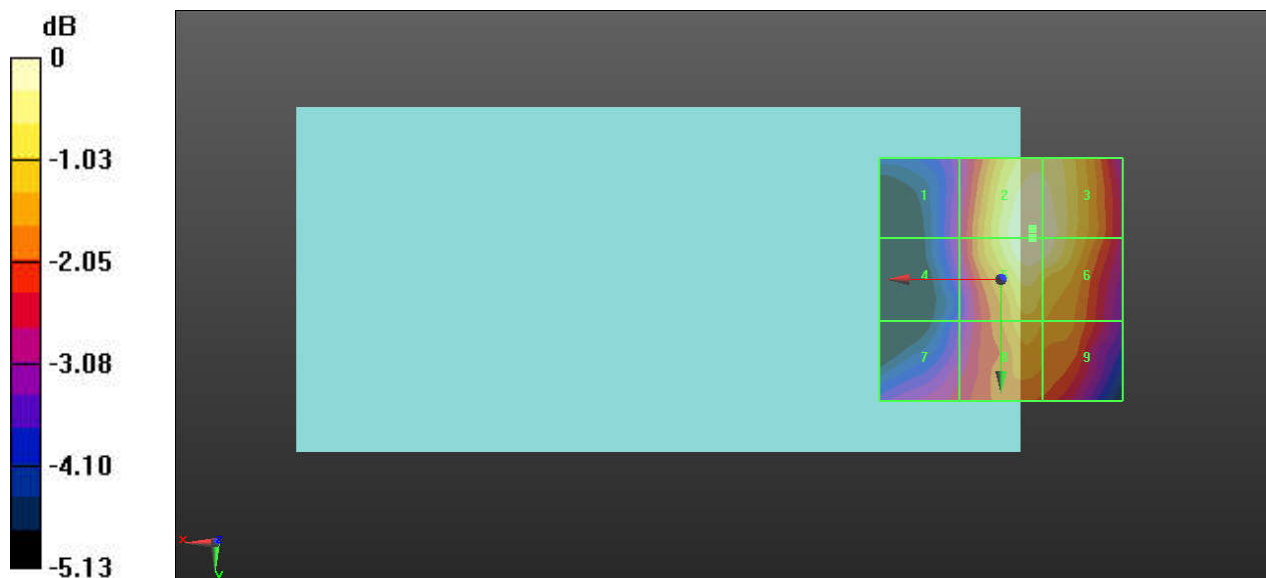
Grid 1 M4 25.1 dBV/m	Grid 2 M4 28.35 dBV/m	Grid 3 M4 28.26 dBV/m
Grid 4 M4 25.3 dBV/m	Grid 5 M4 28.32 dBV/m	Grid 6 M4 28.24 dBV/m
Grid 7 M4 25.78 dBV/m	Grid 8 M4 27.36 dBV/m	Grid 9 M4 27.08 dBV/m

Cursor:

Total = 28.21 dBV/m

E Category: M4

Location: -6.1, -10.2, 8.7 mm



0 dB = 27.21 V/m = 28.53 dBV/m

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-GSM1900 810CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10021 - DAB, 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: ER3DV6 - SN2344; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/E Scan - ER3D: 15 mm from Probe Center to the Device 4/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 = 19.52 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.71 dBV/m

Emission category: M4

MIF scaled E-field

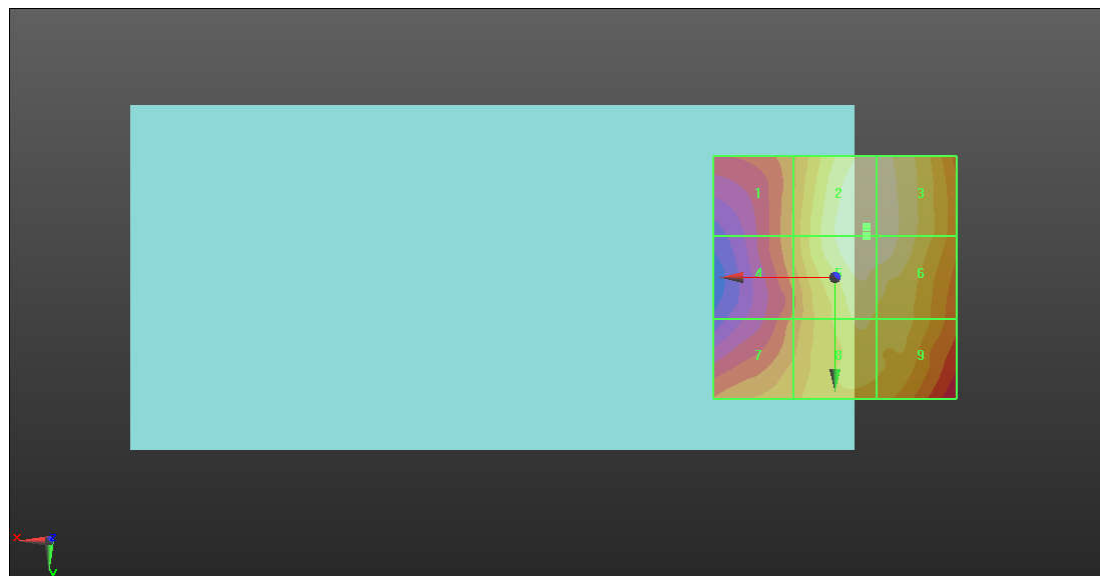
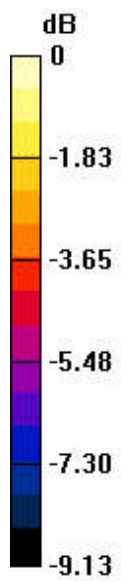
Grid 1 M4 25.2 dBV/m	Grid 2 M4 28.34 dBV/m	Grid 3 M4 28.31 dBV/m
Grid 4 M4 25.21 dBV/m	Grid 5 M4 28.15 dBV/m	Grid 6 M4 28.35 dBV/m
Grid 7 M4 25.75 dBV/m	Grid 8 M4 27.21 dBV/m	Grid 9 M4 27.13 dBV/m

Cursor:

Total = 28.71 dBV/m

E Category: M4

Location: -6.2, -10.8, 8.7 mm



0 dB = 27.75 V/m = 28.71 dBV/m

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-WiFi 2.4G 1CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54Mbps);
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: ER3DV6 - SN2344; ConvF(1, 1, 1); Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/E Scan - ER3D: 15 mm from Probe Center to the Device 6 2/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 = 33.43 V/m; Power Drift = -0.17 dB

Applied MIF = 0.12 dB

RF audio interference level = 22.89 dBV/m

Emission category: M4

MIF scaled E-field

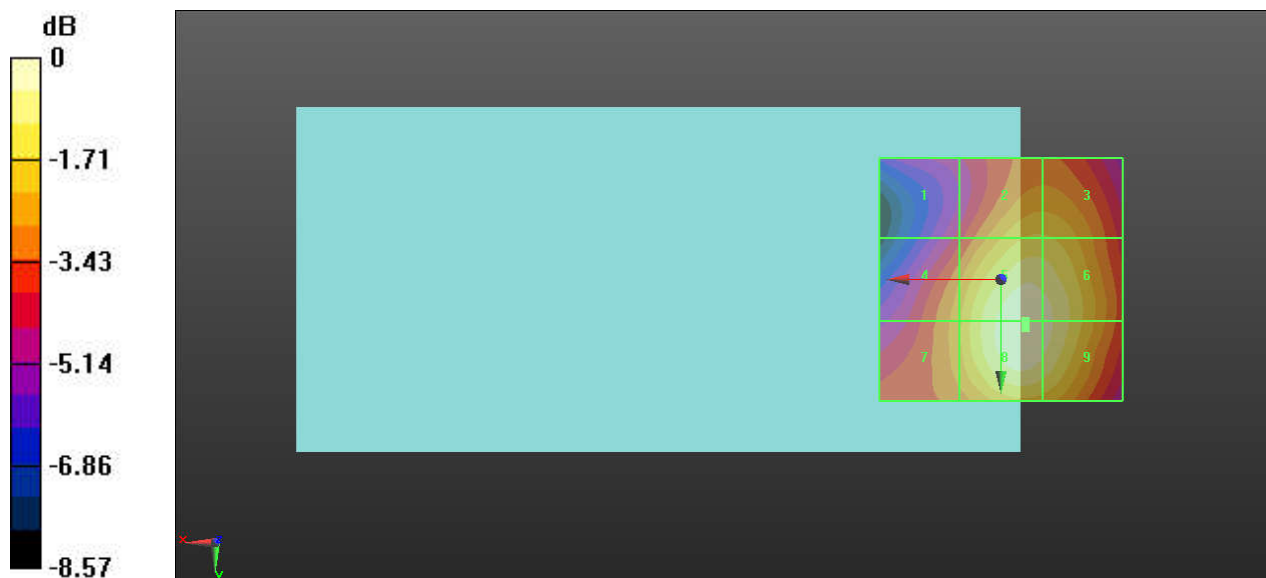
Grid 1 M4 18.7 dBV/m	Grid 2 M4 21.3 dBV/m	Grid 3 M4 21.29 dBV/m
Grid 4 M4 20.53 dBV/m	Grid 5 M4 22.87 dBV/m	Grid 6 M4 22.62 dBV/m
Grid 7 M4 20.57 dBV/m	Grid 8 M4 22.89 dBV/m	Grid 9 M4 22.62 dBV/m

Cursor:

Total = 22.89 dBV/m

E Category: M4

Location: -5, 10, 8.7 mm



0 dB = 13.95 V/m = 22.89 dBV/m

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-WiFi 2.4G 6CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM,54Mbps);
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: ER3DV6 - SN2344; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/E Scan - ER3D: 15 mm from Probe Center to the Device 6 3/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 = 44.18 V/m; Power Drift = -0.22 dB

Applied MIF = 0.12 dB

RF audio interference level = 25.14 dBV/m

Emission category: M4

MIF scaled E-field

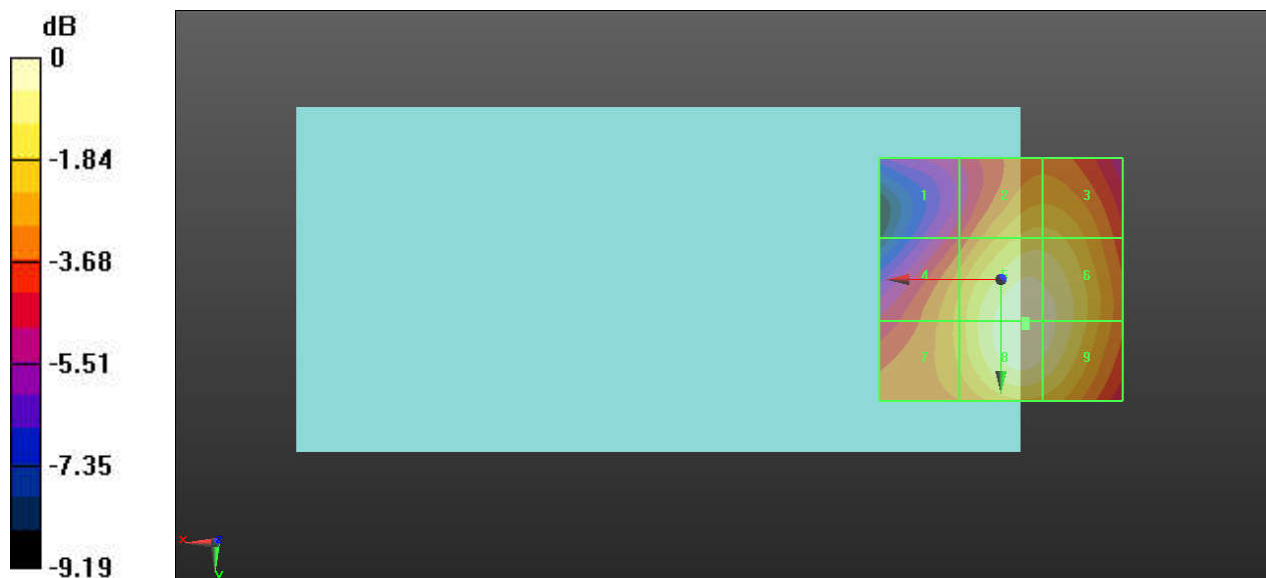
Grid 1 M4 20.94 dBV/m	Grid 2 M4 23.61 dBV/m	Grid 3 M4 23.61 dBV/m
Grid 4 M4 22.98 dBV/m	Grid 5 M4 25.13 dBV/m	Grid 6 M4 24.9 dBV/m
Grid 7 M4 23 dBV/m	Grid 8 M4 25.14 dBV/m	Grid 9 M4 24.9 dBV/m

Cursor:

Total = 25.14 dBV/m

E Category: M4

Location: -5, 9.5, 8.7 mm



0 dB = 18.08 V/m = 25.14 dBV/m

Test Laboratory: SGS-SAR Lab

SL104D HAC-RF-WiFi 2.4G 11CH

DUT: SL104D; Type: Smart Phone; Serial: 354222520005879

Communication System: UID 10077 - CAB, IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54Mbps);
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: ER3DV6 - SN2344; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 2021-07-19
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/E Scan - ER3D: 15 mm from Probe Center to the Device 6 4/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 = 43.89 V/m; Power Drift = -0.21 dB

Applied MIF = 0.12 dB

RF audio interference level = 25.21 dBV/m

Emission category: M4

MIF scaled E-field

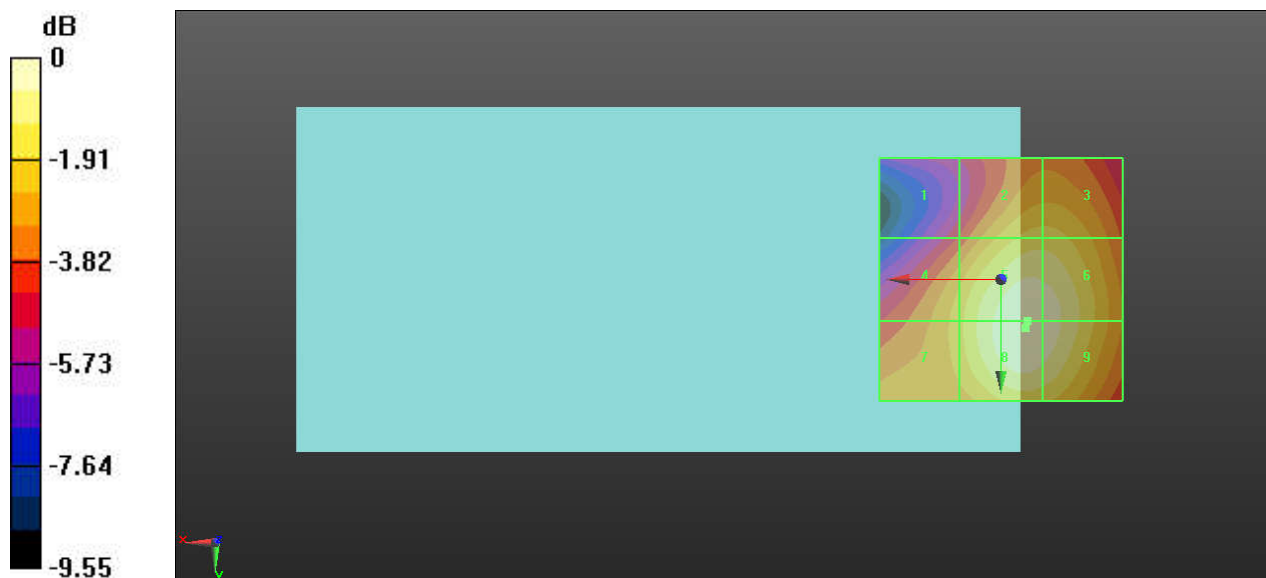
Grid 1 M4 20.92 dBV/m	Grid 2 M4 23.63 dBV/m	Grid 3 M4 23.63 dBV/m
Grid 4 M4 23.1 dBV/m	Grid 5 M4 25.19 dBV/m	Grid 6 M4 25.03 dBV/m
Grid 7 M4 23.12 dBV/m	Grid 8 M4 25.21 dBV/m	Grid 9 M4 25.03 dBV/m

Cursor:

Total = 25.21 dBV/m

E Category: M4

Location: -5, 10, 8.7 mm



0 dB = 18.21 V/m = 25.21 dBV/m