



Appendix B

Detailed Test Results

1. WLAN
WLAN2.4GHz for E-Field Emission

Test Laboratory: SGS-SAR Lab

SL101AE HAC-RF-WiFi 2.4G 802.11g 1CH

DUT: SL101AE; Type: Mobile Phone; Serial: 355171430009902

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: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- 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 = 32.90 V/m; Power Drift = 0.02 dB

Applied MIF = 0.12 dB

RF audio interference level = 31.83 dBV/m

Emission category: M3

MIF scaled E-field

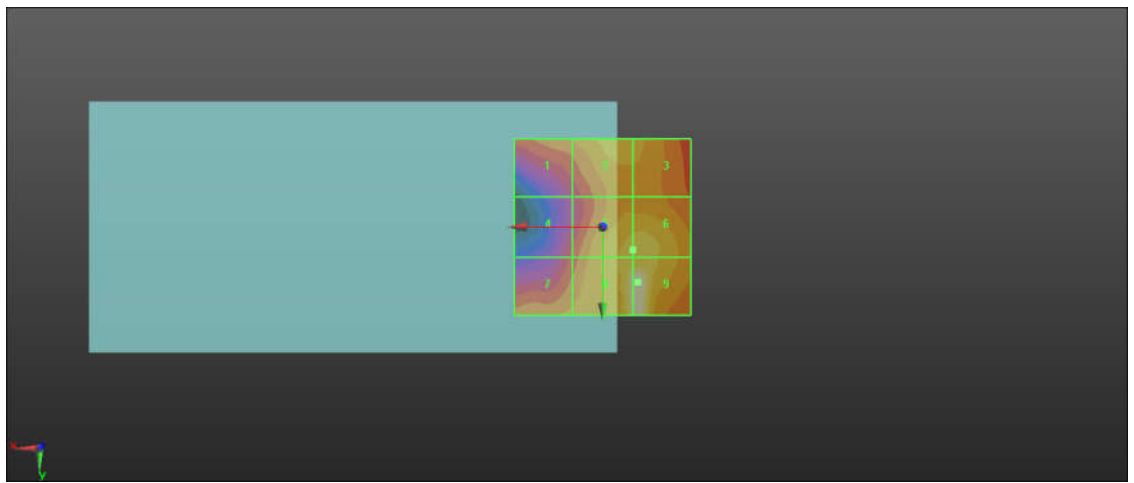
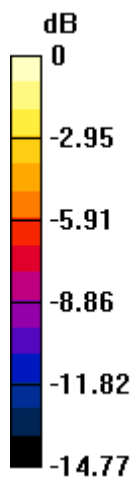
Grid 1 M4 27.1 dBV/m	Grid 2 M4 28.26 dBV/m	Grid 3 M4 28.22 dBV/m
Grid 4 M4 25.26 dBV/m	Grid 5 M4 29.41 dBV/m	Grid 6 M4 29.51 dBV/m
Grid 7 M4 27.29 dBV/m	Grid 8 M3 31.36 dBV/m	Grid 9 M3 31.83 dBV/m

Cursor:

Total = 31.83 dBV/m

E Category: M3

Location: -10, 15.5, 7.7 mm



0 dB = 39.03 V/m = 31.83 dBV/m

Test Laboratory: SGS-SAR Lab

SL101AE HAC-RF-WiFi 2.4G 802.11g 6CH

DUT: SL101AE; Type: Mobile Phone; Serial: 355171430009902

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: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- 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 = 39.52 V/m; Power Drift = 0.05 dB

Applied MIF = 0.12 dB

RF audio interference level = 30.91 dBV/m

Emission category: M3

MIF scaled E-field

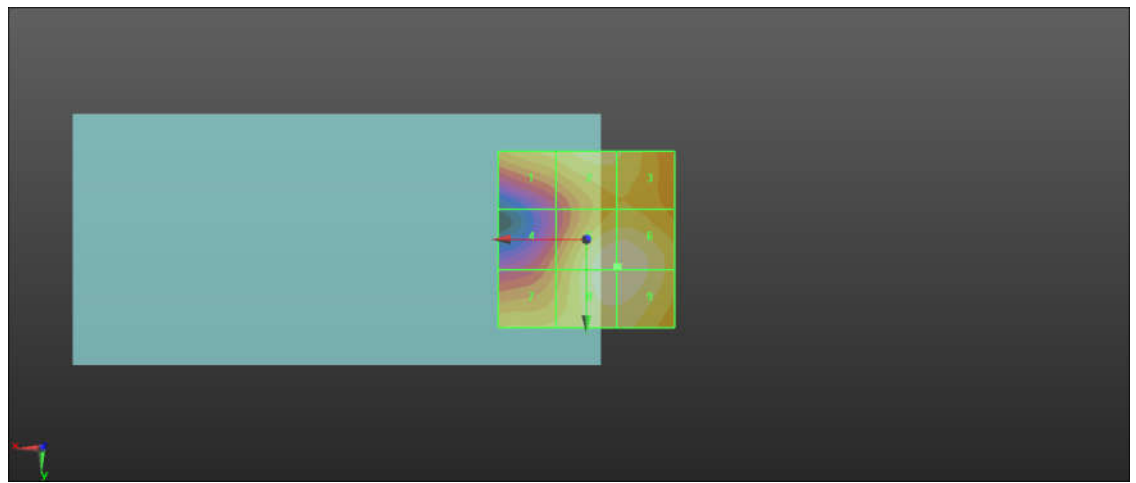
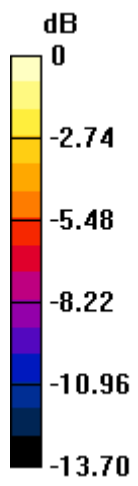
Grid 1 M4 28.71 dBV/m	Grid 2 M4 29.52 dBV/m	Grid 3 M4 29.27 dBV/m
Grid 4 M4 26.42 dBV/m	Grid 5 M3 30.91 dBV/m	Grid 6 M3 30.91 dBV/m
Grid 7 M4 28.51 dBV/m	Grid 8 M3 30.89 dBV/m	Grid 9 M3 30.89 dBV/m

Cursor:

Total = 30.91 dBV/m

E Category: M3

Location: -9, 7.5, 7.7 mm



0 dB = 35.11 V/m = 30.91 dBV/m

Test Laboratory: SGS-SAR Lab

SL101AE HAC-RF-WiFi 2.4G 802.11g 11CH

DUT: SL101AE; Type: Mobile Phone; Serial: 355171430009902

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: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1327; Calibrated: 2021-11-05
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- 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 = 37.39 V/m; Power Drift = -0.04 dB

Applied MIF = 0.12 dB

RF audio interference level = 30.54 dBV/m

Emission category: M3

MIF scaled E-field

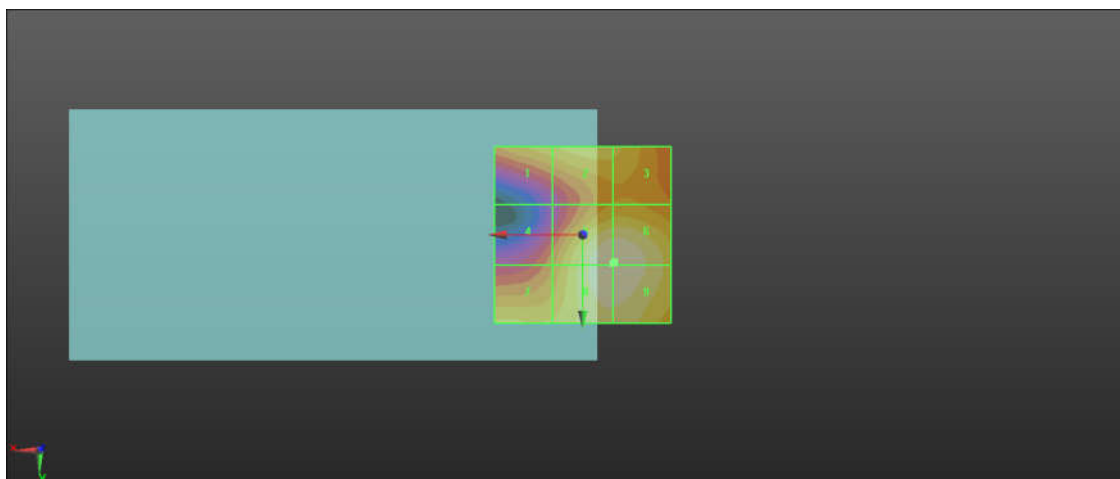
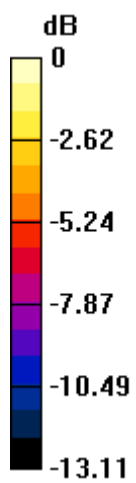
Grid 1 M4 27.83 dBV/m	Grid 2 M4 28.47 dBV/m	Grid 3 M4 28.24 dBV/m
Grid 4 M4 26.07 dBV/m	Grid 5 M3 30.53 dBV/m	Grid 6 M3 30.54 dBV/m
Grid 7 M4 28.2 dBV/m	Grid 8 M3 30.53 dBV/m	Grid 9 M3 30.53 dBV/m

Cursor:

Total = 30.54 dBV/m

E Category: M3

Location: -9, 7.5, 7.7 mm



0 dB = 33.64 V/m = 30.54 dBV/m