



Report No.: SEWM2203000022RG02

Rev.: 01

Page: 1 of 1

# 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/m<sup>3</sup>

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

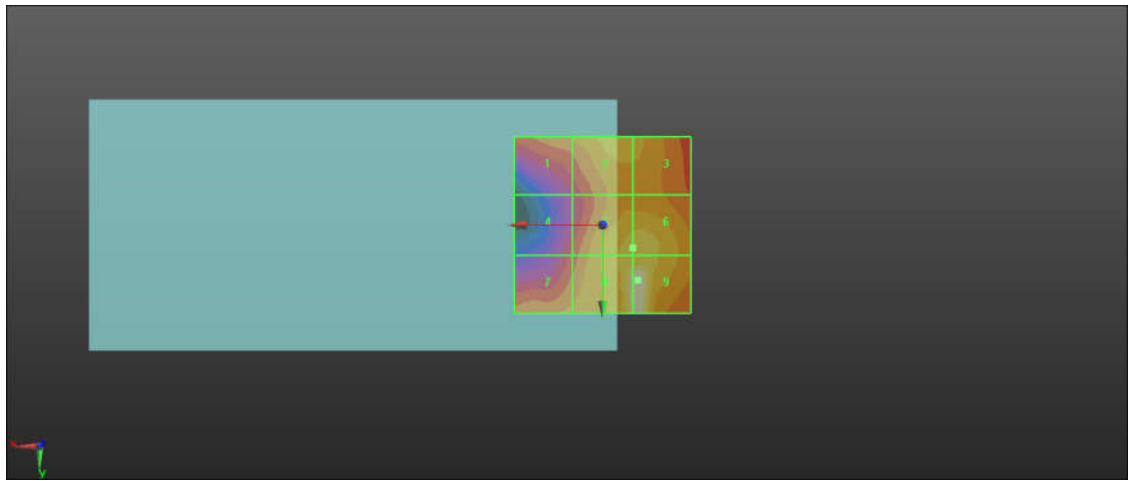
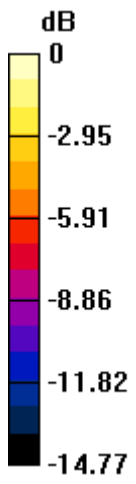
Grid 1 <b>M4</b> <b>27.1 dBV/m</b>	Grid 2 <b>M4</b> <b>28.26 dBV/m</b>	Grid 3 <b>M4</b> <b>28.22 dBV/m</b>
Grid 4 <b>M4</b> <b>25.26 dBV/m</b>	Grid 5 <b>M4</b> <b>29.41 dBV/m</b>	Grid 6 <b>M4</b> <b>29.51 dBV/m</b>
Grid 7 <b>M4</b> <b>27.29 dBV/m</b>	Grid 8 <b>M3</b> <b>31.36 dBV/m</b>	Grid 9 <b>M3</b>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

**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: 1:12.5893Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

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

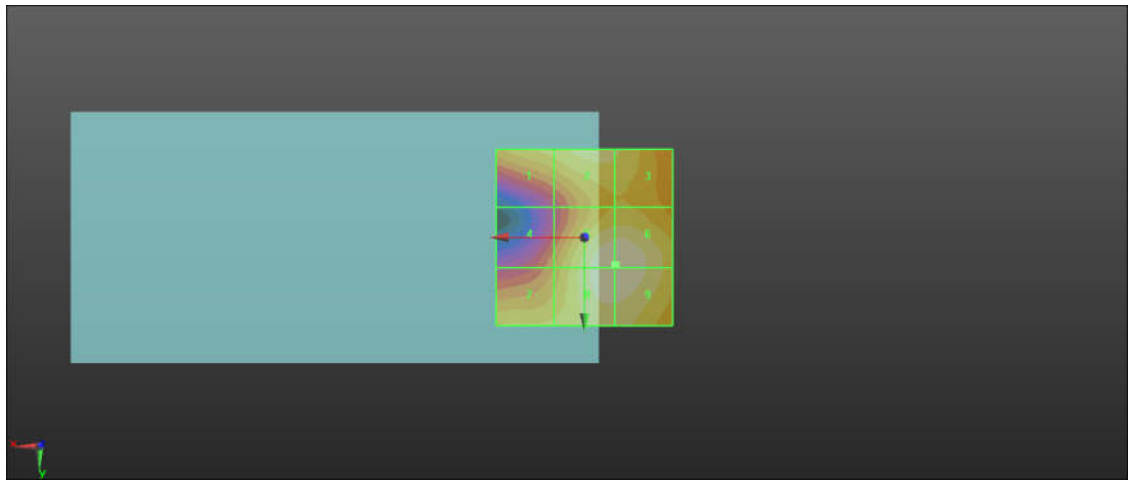
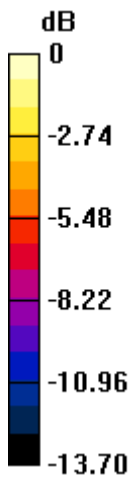
Grid 1 <b>M4</b> <b>28.71 dBV/m</b>	Grid 2 <b>M4</b> <b>29.52 dBV/m</b>	Grid 3 <b>M4</b> <b>29.27 dBV/m</b>
Grid 4 <b>M4</b> <b>26.42 dBV/m</b>	Grid 5 <b>M3</b> <b>30.91 dBV/m</b>	Grid 6 <b>M3</b> <b>30.91 dBV/m</b>
Grid 7 <b>M4</b> <b>28.51 dBV/m</b>	Grid 8 <b>M3</b> <b>30.89 dBV/m</b>	Grid 9 <b>M3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

**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/m<sup>3</sup>

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

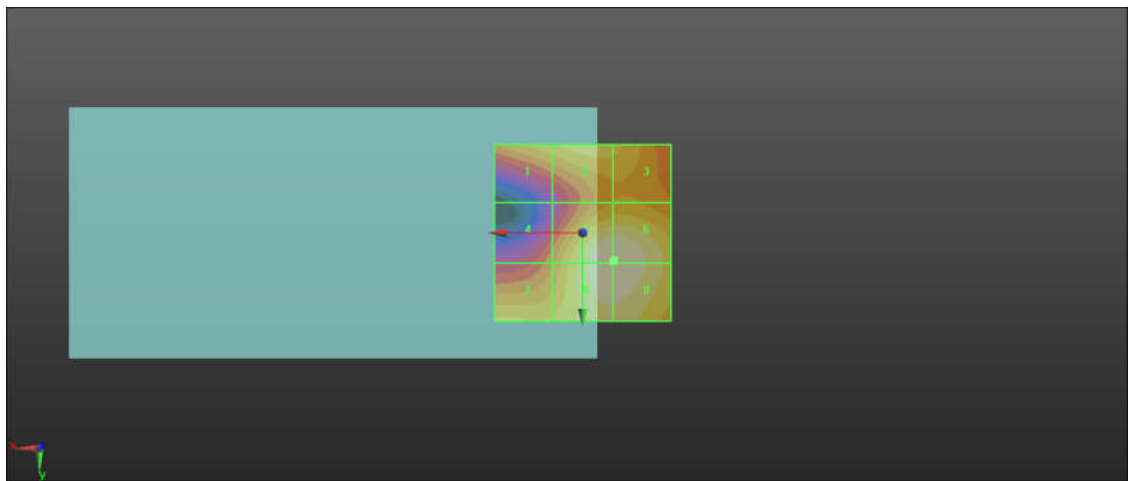
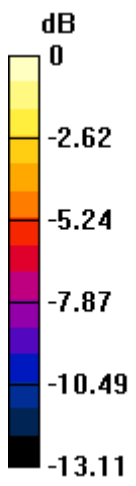
Grid 1 <b>M4</b> <b>27.83 dBV/m</b>	Grid 2 <b>M4</b> <b>28.47 dBV/m</b>	Grid 3 <b>M4</b> <b>28.24 dBV/m</b>
Grid 4 <b>M4</b> <b>26.07 dBV/m</b>	Grid 5 <b>M3</b> <b>30.53 dBV/m</b>	Grid 6 <b>M3</b> <b>30.54 dBV/m</b>
Grid 7 <b>M4</b> <b>28.2 dBV/m</b>	Grid 8 <b>M3</b> <b>30.53 dBV/m</b>	Grid 9 <b>M3</b>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

**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