



REPORT No. : SZ21010168S03

## Annex C Plots of RF System Check

### System Check\_835MHz\_HAC\_RF\_E

Communication System: UID 0, CW (0); Frequency: 835 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C;

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2021.03.04;
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- 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)

**Hearing Aid Compatibility Test (81x401x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Maximum value of Total (interpolated) = 120.92 V/m

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 58.41 V/m; Power Drift = -0.13 dB

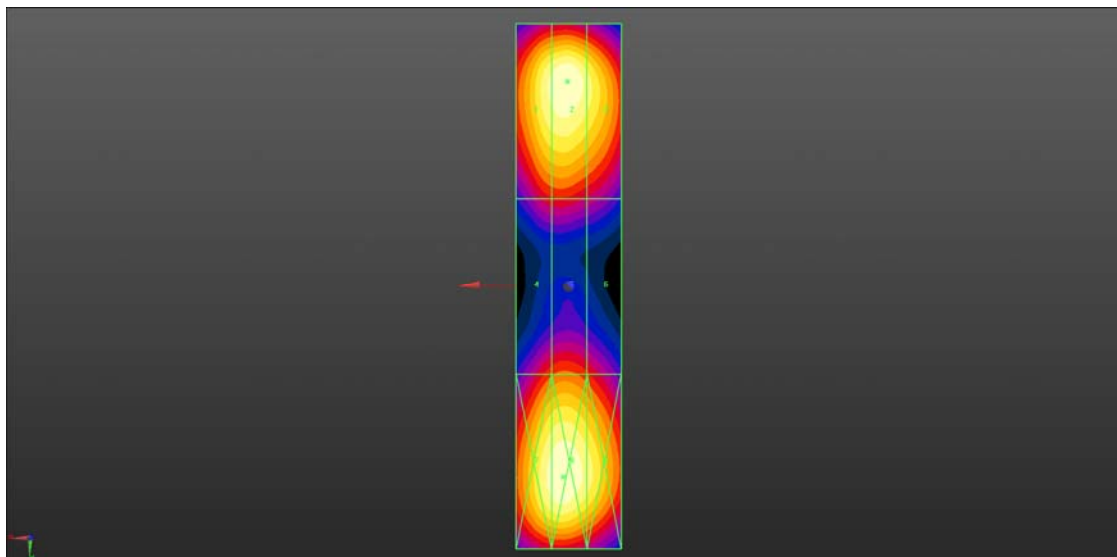
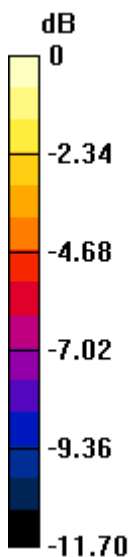
Applied MIF = 0.00 dB

RF audio interference level = 41.65 dBV/m

**Emission category: M3**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M3</b><br><b>41.14 dBV/m</b> | Grid 2 <b>M3</b><br><b>41.62 dBV/m</b> | Grid 3 <b>M3</b><br><b>40.64 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>37.92 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.43 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>41.33 dBV/m</b> | Grid 8 <b>M3</b><br><b>41.65 dBV/m</b> | Grid 9 <b>M3</b><br><b>40.54 dBV/m</b> |



0 dB = 120.92 V/m = 41.65 dBV/m

### System Check\_1880MHz\_HAC\_RF\_E

Communication System: UID 0, CW (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C;

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2021.03.04;
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (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)

**Hearing Aid Compatibility Test (81x321x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Maximum value of Total (interpolated) = 97.05 V/m

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 73.68 V/m; Power Drift = -0.01 dB

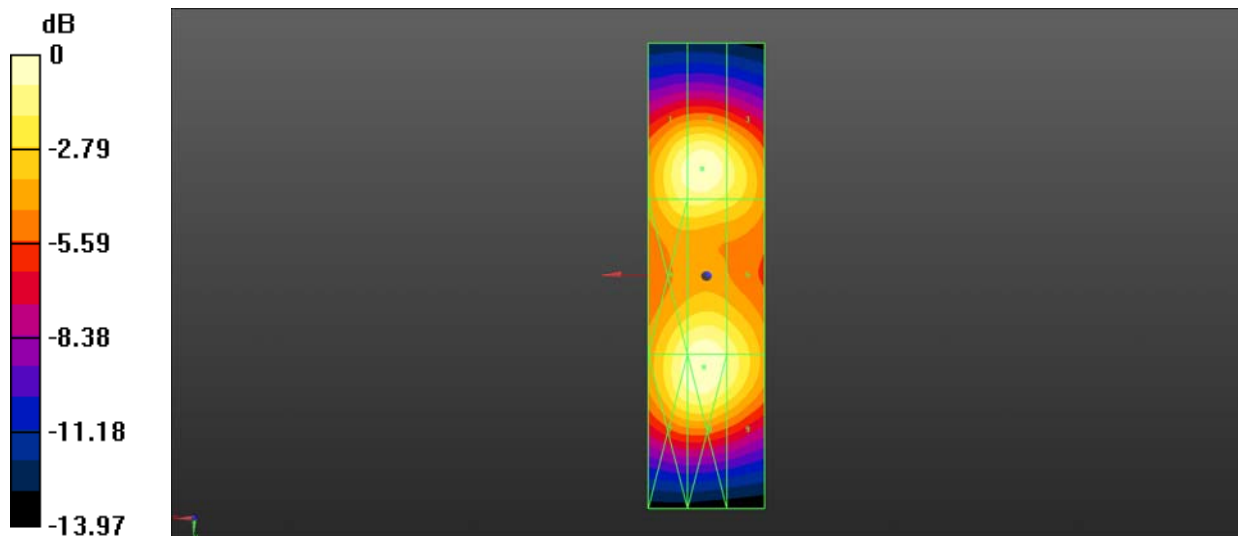
Applied MIF = 0.00 dB

RF audio interference level = 39.74 dBV/m

**Emission category: M2**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M2</b><br><b>39.26 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.63 dBV/m</b> | Grid 3 <b>M2</b><br><b>38.58 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>39.01 dBV/m</b> | Grid 5 <b>M2</b><br><b>39.56 dBV/m</b> | Grid 6 <b>M2</b><br><b>38.72 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>39.33 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.74 dBV/m</b> | Grid 9 <b>M2</b><br><b>38.86 dBV/m</b> |



0 dB = 97.05 V/m = 39.74 dBV/m

### System Check\_2300MHz\_HAC\_RF\_E

Communication System: UID 0, CW (0); Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C;

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2021.03.04;
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (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)

**Hearing Aid Compatibility Test (81x321x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Maximum value of Total (interpolated) = 81.66 V/m

Device Reference Point: 0, 0, -5.6 mm

Reference Value = 76.53 V/m; Power Drift = -0.06 dB

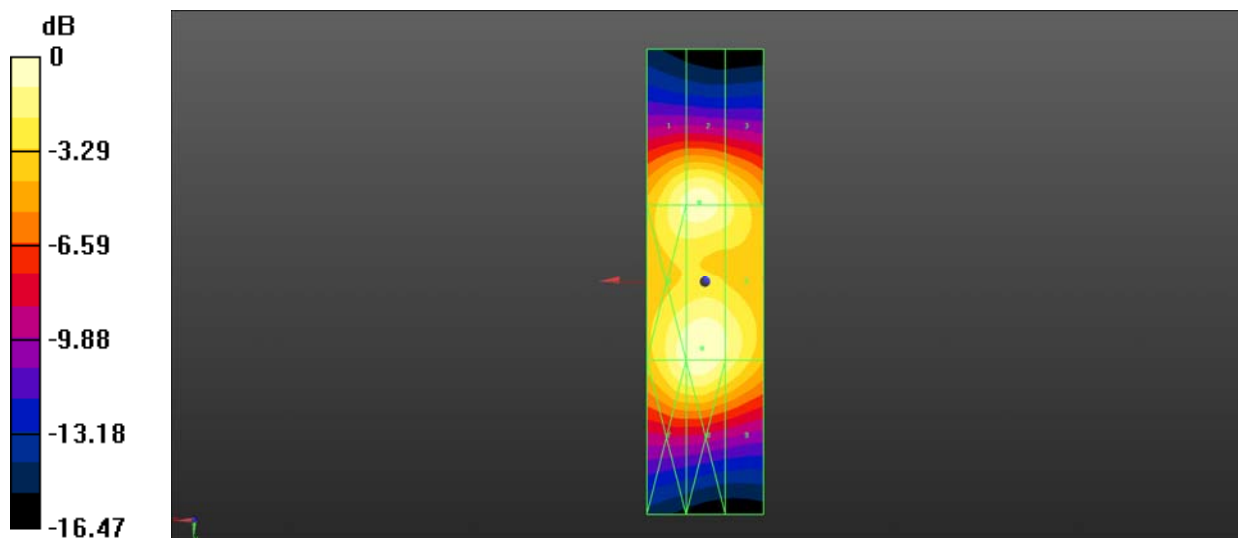
Applied MIF = 0.00 dB

RF audio interference level = 38.24 dBV/m

**Emission category: M2**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M2</b><br><b>37.92 dBV/m</b> | Grid 2 <b>M2</b><br><b>37.94 dBV/m</b> | Grid 3 <b>M2</b><br><b>37.84 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>37.51 dBV/m</b> | Grid 5 <b>M2</b><br><b>37.58 dBV/m</b> | Grid 6 <b>M2</b><br><b>37.68 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>38.04 dBV/m</b> | Grid 8 <b>M2</b><br><b>38.24 dBV/m</b> | Grid 9 <b>M2</b><br><b>38.09 dBV/m</b> |



0 dB = 81.66 V/m = 38.24 dBV/m

### System Check\_2450MHz\_HAC\_RF\_E

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C;

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2021.03.04;
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn480; Calibrated: 2018.10.29
- 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)

**Hearing Aid Compatibility Test (81x321x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Maximum value of Total (interpolated) = 97.05 V/m

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 81.76 V/m; Power Drift = -0.13 dB

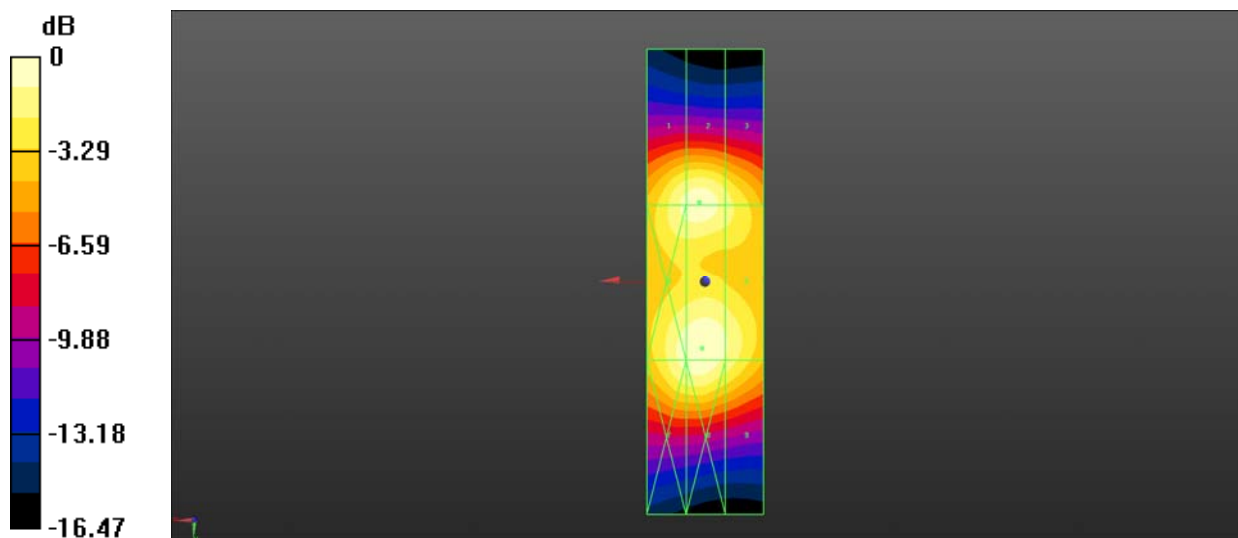
Applied MIF = 0.00 dB

RF audio interference level = 39.74 dBV/m

**Emission category: M2**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M2</b><br><b>38.92 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.32 dBV/m</b> | Grid 3 <b>M2</b><br><b>38.15 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>39.25 dBV/m</b> | Grid 5 <b>M2</b><br><b>39.74 dBV/m</b> | Grid 6 <b>M2</b><br><b>38.77 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>39.16 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.52 dBV/m</b> | Grid 9 <b>M2</b><br><b>38.39 dBV/m</b> |



0 dB = 97.05 V/m = 39.74 dBV/m

### System Check\_2600MHz\_HAC\_RF\_E

Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2434; ConvF(1, 1, 1); Calibrated: 2021.03.04;
- Sensor-Surface: (Fix Surface), Sensor-Surface: 0mm (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)

**Ch2600/Hearing Aid Compatibility Test (81x321x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Maximum value of Total (interpolated) = 96.94 V/m

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 81.72 V/m; Power Drift = -0.17 dB

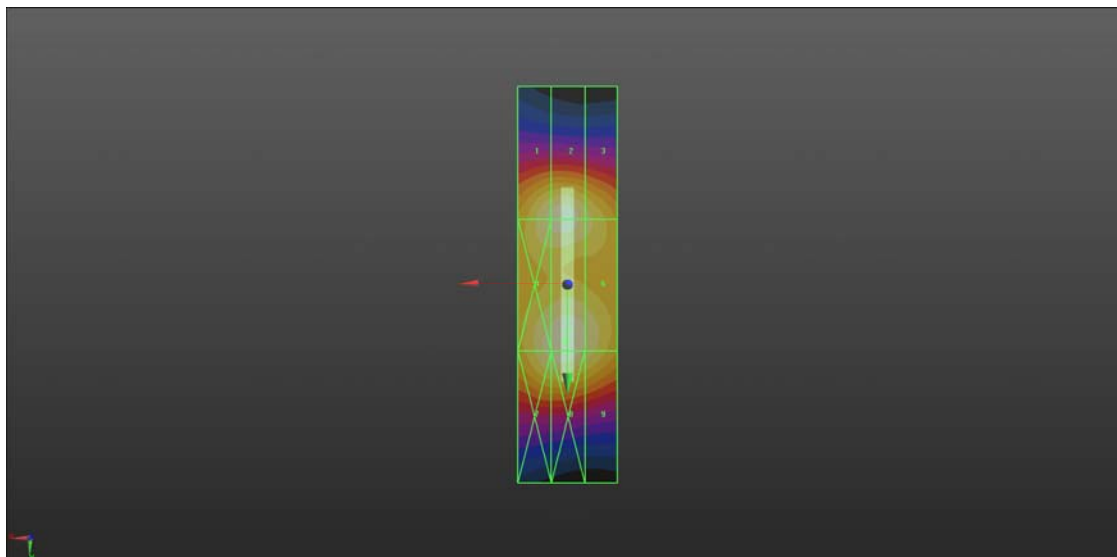
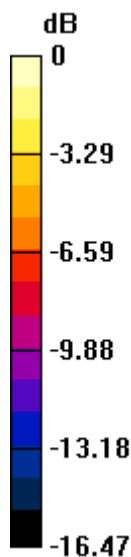
Applied MIF = 0.00 dB

RF audio interference level = 39.73 dBV/m

**Emission category: M2**

MIF scaled E-field

|  |  |  |
|--|--|--|
| Grid 1 <b>M2</b><br><b>38.93 dBV/m</b> | Grid 2 <b>M2</b><br><b>39.27 dBV/m</b> | Grid 3 <b>M2</b><br><b>38.13 dBV/m</b> |
| Grid 4 <b>M2</b><br><b>39.28 dBV/m</b> | Grid 5 <b>M2</b><br><b>39.73 dBV/m</b> | Grid 6 <b>M2</b><br><b>38.72 dBV/m</b> |
| Grid 7 <b>M2</b><br><b>39.13 dBV/m</b> | Grid 8 <b>M2</b><br><b>39.51 dBV/m</b> | Grid 9 <b>M2</b><br><b>38.37 dBV/m</b> |



0 dB = 96.94 V/m = 39.73 dBV/m