FCC SAR Exemption declaration

FCC ID: 2ALS8-SS0002

Product: Segway Shared Kickscooter T60

Model: T60

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Refer to 447498 D01 General RF Exposure Guidance v06 Appendix B

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and > 50 mm

Approximate SAR test exclusion power thresholds at selected frequencies and test separation distances are illustrated in the following table. The equation and threshold in 4.3.1 must be applied to determine SAR test exclusion.

| MHz | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | mm |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|----|
| 100 | 474 | 481 | 487 | 494 | 501 | 507 | 514 | 521 | 527 | 534 | 541 | 547 | 554 | 561 | 567 | |
| 150 | 387 | 397 | 407 | 417 | 427 | 437 | 447 | 457 | 467 | 477 | 487 | 497 | 507 | 517 | 527 | |
| 300 | 274 | 294 | 314 | 334 | 354 | 374 | 394 | 414 | 434 | 454 | 474 | 494 | 514 | 534 | 554 | |
| 450 | 224 | 254 | 284 | 314 | 344 | 374 | 404 | 434 | 464 | 494 | 524 | 554 | 584 | 614 | 644 | |
| 835 | 164 | 220 | 275 | 331 | 387 | 442 | 498 | 554 | 609 | 665 | 721 | 776 | 832 | 888 | 943 | |
| 900 | 158 | 218 | 278 | 338 | 398 | 458 | 518 | 578 | 638 | 698 | 758 | 818 | 878 | 938 | 998 | |
| 1500 | 122 | 222 | 322 | 422 | 522 | 622 | 722 | 822 | 922 | 1022 | 1122 | 1222 | 1322 | 1422 | 1522 | mW |
| 1900 | 109 | 209 | 309 | 409 | 509 | 609 | 709 | 809 | 909 | 1009 | 1109 | 1209 | 1309 | 1409 | 1509 | |
| 2450 | 96 | 196 | 296 | 396 | 496 | 596 | 696 | 796 | 896 | 996 | 1096 | 1196 | 1296 | 1396 | 1496 | |
| 3600 | 79 | 179 | 279 | 379 | 479 | 579 | 679 | 779 | 879 | 979 | 1079 | 1179 | 1279 | 1379 | 1479 | |
| 5200 | 66 | 166 | 266 | 366 | 466 | 566 | 666 | 766 | 866 | 966 | 1066 | 1166 | 1266 | 1366 | 1466 | |
| 5400 | 65 | 165 | 265 | 365 | 465 | 565 | 665 | 765 | 865 | 965 | 1065 | 1165 | 1265 | 1365 | 1465 | |
| 5800 | 62 | 162 | 262 | 362 | 462 | 562 | 662 | 762 | 862 | 962 | 1062 | 1162 | 1262 | 1362 | 1462 | |

Refer to FCC ID :XMR201909EC25AFX, Model:EC25-AFX;EC25-AFX MINIPCIE

Tune up power list:

Maximum conducted output power (measured)

| Band | Maximum Conducted Output Power (dBm) | | | | | | |
|-------------|---|--------|--|--|--|--|--|
| | (dBm) | (mW) | | | | | |
| WCDMA II | 25.00 | 316.23 | | | | | |
| WCDMA IV | 25.00 | 316.23 | | | | | |
| WCDMA V | 25.00 | 316.23 | | | | | |
| LTE Band 2 | 25.00 | 316.23 | | | | | |
| LTE Band 4 | 25.00 | 316.23 | | | | | |
| LTE Band 5 | 25.00 | 316.23 | | | | | |
| LTE Band 12 | 25.00 | 316.23 | | | | | |
| LTE Band 13 | 25.00 | 316.23 | | | | | |
| LTE Band 14 | 25.00 | 316.23 | | | | | |
| LTE Band 66 | 25.00 | 316.23 | | | | | |
| LTE Band 71 | 25.00 | 316.23 | | | | | |

Ref

Following FCC KDB 447498 D01 "General SAR test exclusion guidance"

The corresponding SAR Exclusion Threshold condition, listed below:

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] \cdot [Vf(GHz)] \leq 3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR,16 where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum

test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

- 2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following:
- a) [Threshold at 50 mm in step 1) + (test separation distance 50 mm)·(f(MHz)/150)] mW, at 100MHz to 1500 MHz
- b) [Threshold at 50 mm in step 1) + (test separation distance 50 mm) \cdot 10] mW at > 1500 MHz and \leq 6 GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.

a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by $[1 + \log(100/f(MHz))]$ for test separation distances > 50 mm and < 200 mm.

b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by ½ for test separation distances ≤ 50 mm.

c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

| Wireless Interface | WCDMA Band V | WCDMA Band IV | WCDMA Band II | LTE Band 12 | LTE Band 14 | LTE Band 13 | LTE Band 5 | LTE Band 4 | LTE Band 2 | LTE Band 66 | LTE Band 71 | BLE |
|----------------------------|-----------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|-------|
| Maximum power (dBm) | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 1 |
| Maximum rated power(mW) | 316.0 | 316.0 | 316.0 | 316.0 | 316.0 | 316.0 | 316.0 | 316.0 | 316.0 | 316.0 | 316.0 | 1.3 |
| Separation distance(mm) | 80.0 | | | | | | | | | | | |
| exclusion threshold | 332.0 | 413.0 | 409.0 | 320.0 | 327.0 | 326.0 | 332.0 | 413.0 | 409.0 | 412.0 | 319.0 | 396.0 |
| Testing required? | No | No | No | No | No | No | No | No | No | No | No | No |

Therefore, if the nearest distance from the antenna to the human torso is > 8cm, SAR will be exempted from the test.

