



TÜV SÜD America Inc. (San Diego)

September 25, 2018

TÜV SÜD BABT
 Octagon House, Concorde Way
 Segensworth Rd N, Fareham
 PO15 5RL

Attention: Director of Certification

RE: FCC ID: 2AH4HATD500S
 IC: 21385-ATD500S
 BAT (Basic Asset Tracker) ATD5005
 Mobilogix
 5500 Trabuco Road, Suite 150
 Irvine, CA 92620

Please see the attached tables cross-referencing FCC CFR 47 Part 22H, 24E and 27C to the corresponding ISED standards RSS-132, RSS-133, RSS-130 and RSS-139. Reports used are from the original filing of the cell module (Quectel BG96 FCC ID: XMR201707BG96 and IC: 10224A-201709BG96):

| Report No. RXA1706-0199RF03R1 (FCC CFR 47 Part 22H (2017)) | | | |
|---|---------------|---|----------------------|
| FCC | ISED | Test Description | Comments |
| 2.1046 | RSS-132: 5.4 | RF Power Output | Similar requirements |
| 22.913(a)(2) | | Effective Radiated Power | Similar requirements |
| 2.1049 | RSS-GEN 6.7 | Occupied Bandwidth | Similar requirements |
| 2.1051 22.917(a) | RSS-132: 5.5 | Band Edge Compliance | Similar requirements |
| 22.913(d) KDB 971168 D01(5.7) | RSS-132: 5.4, | Peak-to-Average Power Ratio | Similar requirements |
| 2.1055 22.355 | RSS-132: 5.3 | Frequency Stability | Similar requirements |
| 2.1051 22.917(a) | RSS-132: 5.5 | Spurious Emissions at Antenna Terminals | Similar requirements |
| 2.1053 22.917(a) | RSS-132: 5.5 | Radiated Spurious Emissions | Similar requirements |



| Report No. RXA1706-0199RF02R1 (FCC CFR 47 Part 24E (2017)) | | | |
|---|--------------|---|----------------------|
| FCC | ISED | Test Description | Comments |
| 2.1046 | RSS-133: 6.4 | RF Power Output | Similar requirements |
| 24.232(c) | RSS-133: 6.4 | Effective Isotropic Radiated Power | Similar requirements |
| 2.1049 | RSS-GEN 6.7 | Occupied Bandwidth | Similar requirements |
| 2.1051, 24.238(a) | RSS-133: 6.5 | Band Edge Compliance | Similar requirements |
| 24.232 KDB 971168 D01 (5.7) | RSS-133: 6.4 | Peak-to-Average Power Ratio | Similar requirements |
| 2.1055 24.235 | RSS-133: 6.3 | Frequency Stability | Similar requirements |
| 2.1051 24.238(a) | RSS-133: 6.5 | Spurious Emissions at Antenna Terminals | Similar requirements |
| 2.1053 24.238(a) | RSS-133: 6.5 | Radiated Spurious Emissions | Similar requirements |

| Report No. RXA1706-0199RF03R1 (FCC CFR 47 Part 27C (2017)) | | | |
|---|--------------------------------|------------------------------------|----------------------|
| FCC | ISED | Test Description | Comments |
| 2.1046 | RSS-139 (6.5) RSS-130 (4.4) | RF Power Output | Similar requirements |
| 27.50(d)(4) 27.50(b)(10) 27.50 (c)(10) | RSS-139 (6.5) RSS-130 (4.4) | Effective Isotropic Radiated Power | Similar requirements |
| 2.1049 | RSS-Gen (6.7) | Occupied Bandwidth | Similar requirements |
| 27.53(h) 27.53(g) | RSS-139 (6.6) RSS-130 (4.6) | Band Edge Compliance | Similar requirements |
| 27.50(d) KDB971168 D01(5.7) | RSS-139 (6.5) RSS-130 (4.4) | Peak-to-Average Power Ratio | Similar requirements |



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| 2.1055 27.54 | RSS-139 (6.4) RSS-130 (4.3) | Frequency Stability | Similar requirements |
| 2.1051 27.53(g) 27.53(h) 27.53(f) | RSS-139 (6.6) RSS-130 (4.6) | Spurious Emissions at Antenna Terminals | Similar requirements |
| 2.1051 27.53(g) 27.53(h) 27.53(f) | RSS-139 (6.6) RSS-130 (4.6) | Radiated Spurious Emissions | Similar requirements |

The Bluetooth module (Model: BGM13P22A FCC ID: QOQBGM13P and IC: 5123A-BGM13P) test report was already referenced to the corresponding ISED standard (RSS-247).

The FCC test results were analyzed, and the results remain valid and applicable and meet the current rules.

Sincerely,

Ferdinand S. Custodio
Senior EMC Test Engineer / Wireless Team Lead

Choose certainty.
Add value.