



Date: 02/24/2021

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia MD 21046

Subject: Requesting Class II Permissive Change

FCC ID: 2AXF3-URHM1140

The purpose of this letter is to request a Class II Permissive Change for FCC ID: 2AXF3-URHM1140, Original Grant Date: 11/15/2020.

Applicant: Uhnder Inc.

Model Number: UR-HM1140-1,UR-HM1140-2,UR-HM1140-3

- No design or layout changes were made to the mm wave radar antenna design or layout
- All HW changes encompassed in this C2PC filing were to reduce costs by adding cable vendors and to improve the design to reduce emissions below 18 GHz. No changes were made that would cause an increase in emissions above 18 GHz.
- Changes only impact the digital circuitry with no impact to the RF circuitry, RF power or signal characteristics.
- Quill v1.1, PCBA: Lockhart v1p10 & Quill v1.2, PCBA: Lockhart v1p20 are the similar to as the original filling's PCBA in terms of RF signal characteristics. Hardware modifications do not affect fundamental RF characteristics reported in original filing.
- The HW changes do not affect the RF exposure conditions.
- RF firmware in below versions is equivalent to original filing and there is no change with respect to the fundamental signals RF power, and characteristics.

The changes filed under this request are the as per the description for the following HW / SW version numbers:

S.No	Description of Changes	HW & SW Version	EMC Verification
1	Quill v1.1, PCBA: Lockhart v1p10 (with Red (Belden) Cable & EMI gasket/ copper tape).	HW Version : MOD 1162 SW Version : 0.7.6-RC8	30 MHz to 18 GHz
2	Quill v1.1, PCBA: Lockhart v1p10 (with Black (CAZN) Cable & EMI gasket/copper tape).	HW Version : MOD-1197 SW Version : 0.7.6-RC9	30 MHz to 18 GHz
3	Quill v1.2, PCBA: Lockhart v1p20 (with Black (CAZN) Cable & EMI gasket/copper tape).	HW Version : MOD -1236 SW Version : 0.7.6-Au	30 MHz to 18 GHz



4	Quill v1.2, PCBA: Lockhart v1p20 (with Black (Foxlink) Cable & EMI gasket/copper tape).	HW Version : MOD-1301 SW Version : 0.7.6-Au	30 MHz to 18 GHz
5	Quill v1.2, PCBA: Lockhart v1p20 (with Red (Belden) Cable & EMI gasket/ copper tape).	HW Version : MOD-1231 SW Version : 0.7.6-Au	30 MHz to 18 GHz

Sincerely,

Mickey Malone
Mickey Malone
VP of Operations