



CloudTag

Hand held UWB device PAG checklist

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1. **Show that the device mode operation is permissible under the Part 15 subpart.**
 - The device operates within 3100 MHz – 10600 MHz band. Test report HELEM2402000056-1 page 10
 - It uses UWB technology. 10 dB BW > 500 MHz. Test report HELEM2402000056-1 page 10
 - It complies with 0 dBm EIRP requirement Test report HELEM2402000056-1 page 9



2. Specify if § 15.250 (15C) is used as an alternative to § 15.519.

- 15.250 is not used. Operating frequency is not within frequency band specified in 15.250

3. Show that KDB 393764 Q6 is being followed.

- Category hand held. The Device is small battery powered and weighs 16 grams. It is intended for asset tracking. CloudTag technical Operational description page 4
- -10 dB frequency 3689.3 MHz – 4232.8 MHz is in the UWB band. Test report HELEM2402000056-1 page 10
- Emissions comply to §15.519 and the test report shows sufficient sensitivity Test report HELEM2402000056-1 pages 13-19.
- No need to compare to limits in §15.209 because no digital circuitry emission exceeds §15.519 limits.
- Frequency vs. amplitude plot in band. Complies Test report HELEM2402000056-1 page 16 figures 8-9.
- Out of band emissions Comply HELEM2402000056-1 pages 13-19.
- GPS band emissions comply test report HELEM2402000056-1 p 18-19 tables 7-8. p 15 Figures 13-14.

4. Account for all technical requirements specific to each UWB mode of operation.

- The Device only has one UWB operation mode. It is tested in Test report HELEM2402000056-1.

5. Verify that §15.519 devices do not utilize fixed infrastructure.

Antenna is integrated in the TAG. The TAG itself can be attached to the devices but is useless without the Master base station which is an indoor UWB device. The system (Master base stations and TAGs) by its nature is used to locate



moving things indoors. The device goes to sleep mode when not moving. Attaching it to a fixed object makes it useless.

6. Verify requirements and restrictions for UWB modular approvals.

Not applicable. The device is Not a module.

7. TCB to include §15.521(a) statement on Grant Restrictions and verify the required device/user manual for all UWB modes of operation

UWB devices may not be employed for the operation of toys. Operation onboard an aircraft, a ship or a satellite is prohibited. These are mentioned in the user manual of the device.