

28/11/2017

TUV SUD BABT TCB  
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PO15 5RL

**Modular Approval Request****FCC ID: 2ADX4-MODV7**

**The following attestation addresses the requirements to support modular approval:**

<b>Modular approval requirement</b>	<b>Yes (provide brief statement)</b>	<b>No *</b>
(a) The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly	A metal shield is soldered on module. This shield covers UWB, IMU and MCU chips. UWB on-chip antenna, BLE on-chip antenna and voltage regulator are outside of the shield.	
(b) The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal	The modulation is handled internally in DW1000 UWB chip, which prevents excessive data rates or over-modulation.	
(c) The module must contain power supply regulation on the module	The module has DC/DC voltage converter circuitry for analog and digital signals of the UWB system.	
(d) The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with	The module has two on-chip antennas which are soldered on the module.	



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specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	The antennas are for UWB and BLE.	
(e) The module must demonstrate compliance in a stand-alone configuration	The module has firmware that allows it to operate in standalone mode.	
(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	The label is etched on the RF shield which is soldered on the module.	
(g) The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements	Preloaded firmware guarantees the transmitted signal by the module comply with FCC rules.	

<b>Modular approval requirement</b>	<b>Yes (provide brief statement)</b>	<b>No *</b>
(h) The module must comply with RF exposure requirements	The module has been tested and test results confirm compliance with RF exposure requirements.	

\* Please provide a detailed explanation if the answer is "No."

Yours sincerely,

Nurettin Tan  
Electrical Engineer  
Redpoint Positioning Corp.