

Uppgjord (även faktaansvarig om annan) – Prepared (also subject responsible if other) H&D Magnus Sneitz		Nr - No.		
Dokansv/Godk - Doc respons/Approved H&D Pär Bergsten	Kontr - Checked	Datum - Date 2017-02-01	Rev A	File

Request for Modular Transmitter Approval – SPB209A C2PC No. 1

Applicant: H&D Wireless AB

FCC ID: XO2SPB209A

I hereby certify that the H&D Wireless manufactured SPB209A with FCC ID: XO2SPB209 using external dipole antennas (GW40 with gain 3.7dBi on 2.4GHz and 2.5 dBi on 5GHz; FXP832 with gain 3.7dBi on 2.4GHz and 5.3 dBi on 5GHz; Walsin with gain 2 dBi on 2.4GHz and 3 dBi on 5GHz) and SPB209A RF module with antenna (Fractus with gain 1.8 dBi on 2.4GHz and 4.9 dBi on 5GHz) using the same FCC ID, complies with the FCC Rules and Regulations 47 CFR, Section 15.212 module requirements, for Single-modular transmitter, as a self-contained, physically delineated, component for which compliance can be demonstrated independent of the host operating conditions, and which complies with all eight requirements of Section 15.212(a)(1) according to below:

1. The modular transmitter must have its own shielding.
 - The module has an integral RF Shield to ensure that it does not have to rely upon the shielding provided by the device into which it is installed. The shielding ensures compliance with part 15 limits.
2. The modular transmitter must have buffered modulation/data inputs.
 - Data inputs to the SDIO interface are buffered internally in the module.
3. The modular transmitter must have its own power supply regulation.
 - The module has a voltage regulator.
4. The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(c).
 - The antenna follows the guidance with Publication 996369 D02 Module Q&A v01question 11, with a reference design instructing how to integrate a ceramic antenna mounted on the application PCB.
5. The module transmitter must be tested in a stand-alone configuration.
 - The device was tested in a stand-alone configuration.
6. The modular transmitter must be labeled with its own FCC-ID number.
 - The device is labeled with its own FCC-ID number.
7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.
 - The device is FCC Rule Part 15 compliant. For details see the module data sheet which is contained in this application.
8. The modular transmitter must comply with any applicable RF exposure requirements.
 - The module complies with RF exposure limits for a spread spectrum transmitter operating under section 15.247(b)(4). RF exposure statement is contained in this application.

Sincerely,

Pär Bergsten
CEO
H&D Wireless AB