

March 23, 2018

Attn: Reviewing Engineer
Federal communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

RE: PART 15 UNLICENSED SINGLE MODULAR TRANSMITTER APPROVAL

To whom It May Concern:

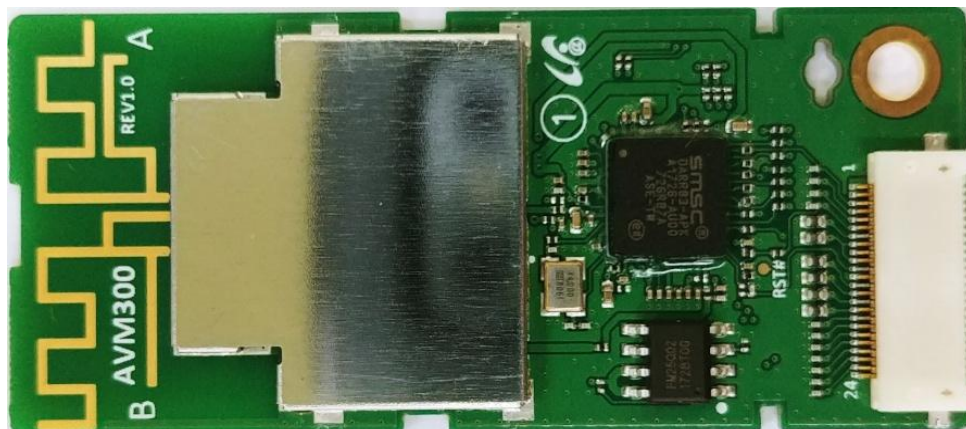
We, **SAMSUNG Electronics Co., Ltd.**, Hereby requests a Single Modular Approval of our **Audio transceiver Module**, described as follows:

Brand name: **SAMSUNG**
Model name: **WSN720S**
FCC ID: **A3LWSN720S**

The requirements of section 15.212 of the FCC rules have been met as indicated in the following statements :

- 1. The radio elements of the modular transmitter must have an own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements. :**

The radio portion of this module has been shielded, Please see photographs with the application.



- 2. The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with part 15 requirements under conditions of excessive data rates or over-modulation. :**

Yes, All inputs to the modules are buffered through logic or microprocessor inputs. Data rates are fixed/protected and can not be altered. Base band signals are band and gain limited, so there's no possibility for overmodulation.

3. The modular transmitter must have its own power supply regulation. :

*Yes, A low drop out regulator is used for modular power supply regulation.
The source transmitter and baseband IC are regulated with LDOs*

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(b) and 15.204(c). :

The module's antennas are printed and can not be detached. There is no RF connector provided to connect an external antenna. The antennas maximum gain has been measured and declared for the purpose of compliance testing.

5. The modular transmitter must be tested in a stand-alone configuration:

Yes, This module was tested in a stand-alone configuration.

6. The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. :

*Yes, The modular has a permanent fixed label and below statement was listed in the Users Manual; The host device must be labelled to display the FCC ID of the module Contains FCC ID: **A3LWSN720S***

7. The modular transmitter must comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization. :

Yes, The module comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee, Refer to test report and user manual .

8. The modular transmitter must comply with any applicable RF exposure requirements in its final configuration. :

Yes, the module is compliant with all applicable RF exposure requirements specified in FCC rules and regulations [47 CFR 1.1307]. Refer to test report.

Sincerely,



Name : Minhyung Cho
Title : General Manager
Company : Samsung Electronics Co Ltd