

Applicant/Grantee	Samsung Electronics Co Ltd / 2AR3A		
FCC ID:	2AR3A-ITM-S-B		
Modular Transmitters			
Request for Modular Approval	☒	Request for Limited Modular Approval	☐
	Requirements	EUT Conditions	Comply (Y/N)
Single Modular Approval Requirements			
1	The radio elements of the modular transmitter must have their 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 by shieldcan.	Y
2	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with modular approval requirements under conditions of excessive data rates or over-modulation.	This module has TLSR8269F512, Bluetooth LE standard SoC that controls transmitters integrated in the chip. The SoC chipset's embedded 512kB flash addresses the buffering.	Y
3	The modular transmitter must have its own power supply regulation.	The TLSR8269F512's embedded LDO enables its own power supply regulation	Y
4	The modular transmitter must comply with the antenna and transmission system requirements.	This module is equipped with a PCB pattern antenna. For further details please refer to the antenna data sheet included in the filing.	Y
5	The modular transmitter must be tested in a stand-alone configuration, <i>i.e.</i> , the module must not be inside another device during testing. Unless the transmitter module will be battery powered, it must comply with the AC line conducted requirements found in Section 15.207. AC or DC power lines and data input/output lines connected to the module must not contain ferrites, unless they will be marketed with the module (see Section 15.27(a)). The length of these lines shall be the length typical of actual use or, if that length is unknown, at least 10 centimeters to insure that there is no coupling between the case of the module and supporting equipment. Any accessories, peripherals, or support equipment connected to the module during testing shall be unmodified and commercially available (see Section 15.31(i)).	This module was tested in a stand-alone configuration.	Y
6	The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. <i>(A) If using a permanently affixed label, the modular transmitter must be labeled with its own FCC identification number, and, if the FCC identification number is not visible when the module is installed inside another device, then the</i>	This module is labeled with its own FCC ID number, Please see product label design and the external photograph of the device with this label submitted with the application	Y

	outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: “Contains Transmitter Module FCC ID: XYZMODEL1” or “Contains FCC ID: XYZMODEL1.” Any similar wording that expresses the same meaning may be used. The Grantee may either provide such a label, an example of which must be included in the application for equipment authorization, or, must provide adequate instructions along with the module which explain this requirement. In the latter case, a copy of these instructions must be included in the application for equipment authorization. (B) If the modular transmitter uses an electronic display of the FCC identification number, the information must be readily accessible and visible on the modular transmitter or on the device in which it is installed. If the module is installed inside another device, then the outside of the device into which the module is installed must display a label referring to the enclosed module. This exterior label can use wording such as the following: “Contains FCC certified transmitter module(s).” Any similar wording that expresses the same meaning may be used. The user manual must include instructions on how to access the electronic display. A copy of these instructions must be included in the application for equipment authorization.		
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.	This module is compliant with all applicable FCC rules. Detail instructions for maintaining compliance are given in the Users Manual.	Y
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	This module is compliant with all applicable RF exposure requirements. RF Exposure is addressed in the test report.	Y
A limited modular approval may be granted for single or split modular transmitters that do not comply with all of the above requirements, e.g., shielding, minimum signaling amplitude, buffered modulation/data inputs, or power supply regulation, if the manufacturer can demonstrate by alternative means in the application for equipment authorization that the modular transmitter meets all the applicable Limited modular approval also may be granted in those instances where compliance with RF exposure rules is demonstrated only for particular product configurations. The applicant for certification must state how control of the end product into which the module will be installed will be maintained such that full compliance of the end product is always ensured.			
Name and Title of the Applicant:		JANG MOUNGJIN / Staff Engineer	
Date:		2018-12-20	
Signature:			