Hansong(Nanjing) Technology Ltd.

Modular Approval Request Letter

Applicant: Hansong(Nanjing) Technology Ltd.

Product Name: Bluetooth Module

Model No.: HSBT3031-08-EA, HSBT3031-08-IA

FCC ID: XCO-QCC3031

The single module transmitter has been evaluated then tested meeting the requirements under Part 15C Section

212 as below:

Modular approval requirement	EUT Condition	Comply
The radio elements of the modular transmitter must have their	The radio elements of the modular transmitter	
own shielding. The physical crystal and tuning capacitors may be	have their own shielding.	Yes
located external to the shielded radio elements.		
The modular transmitter must have buffered modulation/data	The Bluetooth Module has buffered data	
inputs (if such inputs are provided) to ensure that the module	inputs, it is integrated in chip. Please see	Vos
will comply with part 15 requirements under conditions of	schematic.pdf	Yes
excessive data rates or over-modulation.		
The modular transmitter must have its own power supply	All power lines derived from the host device	
regulation.	are regulated before energizing other circuits	Yes
	internal to the EM160R-GL. Please see	163
	schematic.pdf	
The modular transmitter must comply with the antenna and	A permanently attached antenna or unique	
transmission system requirements of Sections 15.203, 15.204(b)	antenna connector is not a requirement for	
and 15.204(c). The antenna must either be permanently	licensed modules.	
attached or employ a "unique" antenna coupler (at all		Yes
connections between the module and the antenna, including		163
the cable). The "professional installation" provision of Section		
15.203 is not applicable to modules but can apply to limited		
modular approvals under paragraph (b) of this section.		

Hansong(Nanjing) Technology Ltd.

The modular transmitter must be tested in a stand-alone configuration, i.e., the module must not be inside another device during testing for compliance with part 15 requirements. 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)) must not be inside another device during testing. The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number. The label position is clearly indicated. If the FCC ID of the module cannot be seen when it is installed, then the host label must include the text: Contains FCC ID: XCO-QCC3031. Please see the label.pdf 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 requirements, which are based on the intended use/configurations The modular transmitter must comply with any applicable RF exposure requirement, please see the MPE evaluation with 20cm as the distance restriction.			
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Title: General Manager

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