Applicant/Grantee SAMSUNG TECHWIN CO., LTD							
FCC ID: NLMURM-SK010							
Section 15.212 Modular Transmitters							
Request	for Modular Approval Requ	est for Limited Modular Approval					
	Requirements	EUT Conditions	Comply (Y/N)				
	Single Modular Approval Requirements						
1	The radio elements of the modular	Device is equipped with metal shielding	Y				
	transmitter must have their own	to cover RF section. Refer to external					
	shielding. The physical crystal and	photos					
	tuning capacitors may be located						
	external to the shielded radio elements.						
2	The modular transmitter must have	All inputs to the modules are buffered	Y				
	buffered modulation/data inputs (if such	through logic or microprocessor inputs.					
	inputs are provided) to ensure that the						
	module will comply with Part 15						
	requirements under conditions of						
	excessive data rates or over-modulation.						
3	The modular transmitter must have its	Internal power regulators. The regulator	Y				
	own power supply regulation.	operates within the +4.2Vdc +/-0.2V					
		range. Refer to Block diagram					
4	The modular transmitter must comply	Refer to external photos.	Y				
	with the antenna and transmission						
	system requirements of Sections 15.203,						
	15.204(b) and 15.204(c). The antenna						
	must either be permanently attached or						
	employ a "unique" antenna coupler (at						
	all connections between the module and						
	the antenna, including 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.						
5	The modular transmitter must be tested	Device is tested external to a host on an	Y				
	in a stand-alone configuration, <i>i.e.</i> , the	extender board in a standalone					
	module must not be inside another	configuration					
	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						
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	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)).		
6	The modular transmitter must be	I shall is to be placed on front of the	Y
0		Label is to be placed on front of the	1
	equipped with either a permanently	EUT(URM-SK010), and other label is to	
	affixed label or must be capable of	be placed in the User's Guide. Refer to	
	electronically displaying its FCC	FCC ID label format.	
	identification number.		
	(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 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		
7	equipment authorization.	Defende (Henry), C. 11.2	X 7
7	The modular transmitter must comply	Refer to 'User's Guide'	Y
	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		
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	application for equipment authorization.		
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	MPE calculation is provided to demonstrate RF compliance for mobile modular approval.	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 Part 15 requirements under the operating conditions in which the transmitter will be used. 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.