Applicant/Grantee Samsung Electronics Co., Ltd.								
		A3LWCF930						
Modular Transmitters								
Request for Modular Approval Request for Limited Modular Approval								
		Requirements		EUT Conditions	Comply (Y/N)			
			gle Modular Approva					
1	The radio ele		odular transmitter	Refer to the external photo	Y			
	must have th							
	crystal and to							
	external to th							
	Details: The							
	section built							
	Systen on Ch							
	In the NON RF section there are only assisting components e.g. for clock generation							
	(crystal resonator), LDO section, Vcc filter elements and hard coded ports to select							
	the autonomous working mode without external software.							
	The RF section, based on the mmW "Field distribution sensor" (FDS) System in Package (SiP) BGT60LTR11AIP with TX and RX antenna in package. The naming							
		Radar is comm		antenna in package. The naming				
	_			rocess control the entire TX and				
	This RF radar chip includes the state machine for process control, the entire TX and RX mmW section with on chip antennas, crystal oscillator (w.o.crystal resonator)							
		band signal prod	±	emaior (wieler) star resonator)				
		9 411.0 91 91.0 1						
	The mmW Si chip is working in a shielded area.							
	Description: antennafor T the Si mmW Furthermore vias to the G							
	D 4 1 11 11 6							
			alpackage throughvias	nip and the below one) are				
	Thesemeasur							
	The radiation							
		- 01 0110 011 0111 p	with the second					
	We referre st	trongly to the di	rawing in fileddocumen	nt.				
			11AIP_Principle_Block					
2			st have buffered	All input to the modules are	Y			
		lata inputs (if su		buffered through				
			module will comply	microprocessor inputs.				
		r approval requi						
		f excessive data	rates or over-					
	modulation.	•			***			
3			st have its own power	Internal power regulators	Y			
4	supply regula		. 1 1.1 .1	Refer to the Block-diagram	*7			
4			st comply with the	Refer to the internal photo	Y			
	antenna and	transmission sy	stem requirements.					

5	The modular transmitter must be tested in a standalone 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	The EUT was tested in a standalone configuration via a SD extension cable Refer to the test setup photo	Y
6	Section 15.31(i)). The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC 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 equipment authorization.	Refer to the external photo	Y
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	Refer to the user manual	Y

	along with the module to explain any such requirements. A copy of these instructions must be included in the application for equipment authorization.		
8	The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	Refer to the RF exposure statement for more details.	Y

A 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.

Jenni Chun, General manager

November 22, 2024