Applica	nt/Grantee	Compex Systems Pte Ltd		
FCC ID	•	TK4-09-MMNX		
		Section 15.212	Modular Transmitters	
Request	for Modular	Approval Requ	uest for Limited Modular Approval	
		Requirements	EUT Conditions	Comply (Y/N)
		Single Modular	Approval Requirements	
1	The radio elements of the modular The modular transmitter has its own RF			Y
	transmitter must have their own		shielding and does not rely upon the	
	shielding. The physical crystal and		shielding provided by the device into	1
	tuning capacitors may be located		which it is installed in order to comply	
	external to the	he shielded radio elements.	with Part 15 limits.	
2	The modular transmitter must have		The modular transmitter has buffered	Y
	buffered modulation/data inputs (if such		modulation/data inputs. All inputs to	
	inputs are provided) to ensure that the		the modules are buffered through the	
	module will comply with Part 15		radio circuitry.	
		s under conditions of		
		ta rates or over-modulation.		
3	i	r transmitter must have its	The modular transmitter has its own	Y
		supply regulation.	power supply regulator.	
4	1	r transmitter must comply	The modular transmitter has an antenna	Y
		enna and transmission	complies with requirements of §§15.203,	
		irements of Sections 15.203,	15.204(b) and 15.204(c). The antenna It	
	15.204(b) and 15.204(c). The antenna must either be permanently attached or		has a U.FL type of connector at the	
			transmitter end. Also the antenna will be	
		nique" antenna coupler (at	internal in the OEM host equipment and	
	l .	ons between the module and	inaccessible to the user.	
		including the cable). The		
	"professional installation" provision of			
	Section 15.203 is not applicable to			
		can apply to limited		
	1 **	rovals under paragraph (b)		
	of this section		T1 11 1	W 7
5		r transmitter must be tested	The modular approval transmitter was	Y
		one configuration, <i>i.e.</i> , the	tested outside of a AP using a PCI	
		t not be inside another	extender card. The PCI extender card	
		g testing for compliance	allows the transmitter to be placed	
		requirements. Unless the	outside of the chassis of AP The	
	1	nodule will be battery	modular transmitter was tested in a	
	-	must comply with the AC	stand-alone configuration.	
	1	ed requirements found in		
		07. AC or DC power lines		
	· -	ut/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			
	, –	tual use or, if that length is		
	• -	least 10 centimeters to		
		nere is no coupling between		
		ne module and supporting		

			T
	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	The modular transmitter will be labeled	Y
0			Y
	equipped with either a permanently	with its own FCC ID. Also the OEM	
	affixed label or must be capable of	host computer manufacturer will be	
	electronically displaying its FCC	informed to display a label referring to	
	identification number.	the enclosed module. The exterior label	
	(A) If using a permanently affixed label, the	will read as follows: "Contains	
	modular transmitter must be labeled with its own	Transmitter Module FCC ID: "TK4-09-	
	FCC identification number, and, if the FCC	MMNX" or "Contains TX FCC ID:	
	identification number is not visible when the	"TK4-09-MMNX".	
	module is installed inside another device, then the outside of the device into which the module is	THE OF WHALLAY	
	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	The modular transmitter is designed for	Y
	with any specific rules or operating	manufacturers so that the user cannot	
}	requirements that ordinarily apply to a	influence the operation of the transmitter	
	complete transmitter and the	that will operate outside of the scope of	
	manufacturer must provide adequate	the regulations.	
	instructions along with the module to	3	
	explain any such requirements. A copy	,	
1	of these instructions must be included in		
	or areae manactona 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.	The modular transmitter meets the MPE calculations of 47 CFR 1.1307(b)(1). Also, SAR data is available if necessary. The end users are informed to keep the minimum distance away from the antenna according to 15.247.	N

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.

Best Regards

Signature:

Name/Title: Yaw Thiam Teng / Manager Company Name: Compex Systems Pte Ltd.

Date: December 2, 2009