Applicant/Grantee Compex Systems Pte Ltd							
FCC ID		TK4-WLM54GP23					
Section 15.212 Modular Transmitters							
Request for Modular Approval Request for Limited Modular Approval							
		Requirements		EUT Conditions	Comply (Y/N)		
Single Modular Approval Requirements							
1	The radio ele	ements of the modular		The modular transmitter has its own RF	Y		
	transmitter n	nust have their own		shielding and does not rely upon the			
	shielding. Th	ne physical crystal and]	shielding provided by the device into			
		citors may be located		which it is installed in order to comply			
	external to the shielded radio elements.		with Part 15 limits.				
2	The modular transmitter must have		The EUT has buffered data inputs,it	Y			
		dulation/data inputs (i		is integrated in chip AR2413			
		ovided) to ensure that	the				
		comply with Part 15					
		s under conditions of	المدائمة				
3		ta rates or over-modul r transmitter must have		The chips IF converter and PA which	Y		
3		supply regulation.	e its	will influence the frequency	1		
	own power s	suppry regulation.		radiation, have to be 3.3V and 1.8V DC			
				powered. The module has its own power			
				supply by 3.3VDC via mini PCI			
				Interface, so there are PNP General			
				Purpose Amplifier in front of these			
				chips, the part number of this Amplifier			
				is CXT2907A			
4		r transmitter must com	ply	The modular transmitter has an antenna	Y		
		enna and transmission		complies with requirements of §§15.203,			
		rements of Sections 1		15.204(b) and 15.204(c). The antenna It			
		nd 15.204(c). The ante		has a Reversed-SMA connector at			
		be permanently attache		the transmitter end.			
		nique" antenna couple ons between the modul					
		including the cable).					
		l installation" provision					
		03 is not applicable to					
		can apply to limited					
		rovals under paragrap	h (b)				
	of this section		` /				
5	The modular	r transmitter must be to	ested	The modular approval transmitter was	Y		
	in a stand-al	one configuration, i.e.	, the	tested outside of a AP using a PCI			
		t not be inside another		extender card. The PCI extender card			
		g testing for complian		allows the transmitter to be placed			
		requirements. Unless	the	outside of the chassis of AP The			
		nodule will be battery		modular transmitter was tested in a			
	-	nust comply with the		stand-alone configuration.			
		ed requirements found					
		07. AC or DC power l					
	_	ut/output lines connec					
	me module i	nust not contain ferrite	zs,				

7	The modular transmitter must comply	The modular transmitter is designed for	Y
	equipment authorization.		
	must be included in the application for		
	electronic display. A copy of these instructions		
	include instructions on how to access the		
	meaning may be used. The user manual must		
	Any similar wording that expresses the same		
	"Contains FCC certified transmitter module(s)."		
	as the following:		
	module. This exterior label can use wording such		
	must display a label referring to the enclosed		
	of the device into which the module is installed		
	device in which it is installed. If the module is installed inside another device, then the outside		
	visible on the modular transmitter or on the		
	information must be readily accessible and		
	display of the FCC identification number, the		
	(B) If the modular transmitter uses an electronic		
	application for equipment authorization.		
	this requirement. In the latter case, a copy of these instructions must be included in the		
	instructions along with the module which explain		
	authorization, or, must provide adequate		
	application for equipment		
	example of which must be included in the		
	The Grantee may either provide such a label, an		
	that expresses the same meaning may be used.		
	XYZMODEL1." Any similar wording		
	FCC ID: XYZMODEL1" or "Contains FCC ID:		
	wording such as the following: "Contains Transmitter Module		
	the enclosed module. This exterior label can use		
	installed must also display a label referring to		
	the outside of the device into which the module is		
	module is installed inside another device, then	FCC ID: "TK4-WLM54GP23ESD".	
	identification number is not visible when the	WLM54GP23ESD" or "Contains TX	
	FCC identification number, and, if the FCC	Transmitter Module FCC ID: "TK4-	
	modular transmitter must be labeled with its own		
	(A) If using a permanently affixed label, the	will read as follows: "Contains	
	identification number.	the enclosed module. The exterior label	
	electronically displaying its FCC	informed to display a label referring to	
	affixed label or must be capable of	host computer manufacturer will be	
	equipped with either a permanently	with its own FCC ID. Also the OEM	
6	The modular transmitter must be	The modular transmitter will be labeled	Y
	(see Section 15.31(i)).		
	unmodified and commercially available		
	module during testing shall be		
	or support equipment connected to the		
	equipment. Any accessories, peripherals,		
	the case of the module and supporting		
	insure that there is no coupling between		
	unknown, at least 10 centimeters to		
	typical of actual use or, if that length is		
	length of these lines shall be the length		
	module (see Section 15.27(a)). The		
	unless they will be marketed with the		

	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.	manufacturers so that the user cannot influence the operation of the transmitter that will operate outside of the scope of the regulations.	
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,



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

Date: October 15, 2010