Applicar	nt/Grantee	Device Solution	ons Inc					
FCC ID: OXW-PA0002								
Section 15.212 Modular Transmitters								
Request	for Modular			equest for Limited Modular Approval				
Request	loi Modulai	Requirements		EUT Conditions	Comply (Y/N)			
			ala Madul		Compty (1/14)			
Single Modular Approval Requirements  1 The radio elements of the modular transmitter								
1	must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.			Maximum output power is only 10dBm, with a duty cycle of much less than 10%. All layers ground filled and extensively stitched with vias. Most radio components are integrated into the primary IC.	N			
2	The modular transmitter must have buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with Part 15 requirements under conditions of excessive data rates or over-modulation.			The TX signal is directly synthesized by	Y			
3	The modular tra	ansmitter must hav	e its own	The supply into the radio IC is regulated and there are additional regulators internally.	Y			
4	antenna and tra Sections 15.203 antenna must en employ a "uniq connections bet antenna, includinstallation" pro applicable to m	ansmitter must cornsmission system 3, 15.204(b) and 15 ither be permanent ue" antenna couple tween the module sing the cable). The ovision of Section odules but can appyals under paragrap	requirements 5.204(c). The ly attached of er (at all and the c "professiona 15.203 is not oly to limited	of Ine antenna is permanently attached.	Y			
5	The modular trastand-alone cornot be inside ar compliance wit the transmitter it must comply requirements for power lines and connected to the ferrites, unless module (see Set hese lines shall use or, if that le centimeters to it between the case equipment. Any support equipment during testing s	ansmitter must be a figuration, <i>i.e.</i> , the nother device during the Part 15 requirem module will be bat with the AC line cound in Section 15.1 data input/output the module must not they will be marked ction 15.27(a)). The light be the length typic angth is unknown, insure that there is see of the module and y accessories, periphent connected to the hall be unmodified available (see Secti	e module musting testing for teents. Unless tery powered conducted .207. AC or I lines contain ted with the length of teal of actual at least 10 no coupling and supporting otherals, or the module I and	, OC	Y			
6	The modular traiting either a perman capable of electidentification in (A) If using a permodular transman FCC identification in module is install.	ansmitter must be ently affixed label tronically displayin	equipped with or must be any its FCC I label, the led with its or if the FCC when the redevice, then	in the silk screen or a sticker.	Y			

	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 with any	These modules will only be integrated by the	Y
	specific rules or operating requirements that	manufacturer into more complex products.	
	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.		
8	The modular transmitter must comply with any	The module is integrated into products which are	Y
	applicable RF exposure requirements in its final	not used in proximity to humans. Any integrated	
	configuration.	devices will be reviewed for exposure limits	
A 11141	modulos approval may be asented for single as ablit s		

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 maintained such that full compliance of the end product is always ensured.