Section 15.212 Modular Transmitters   Section 15.212 Modular Transmitters   Request for Modular Approval   Request for Limited Modular Approval   EUT Conditions   Comply (Y/N Single Modular Approval Requirements   EUT Conditions   Comply (Y/N Single Modular Approval Requirements   Refer to external photos. Shield is over the radio circuit module.   Y	Applicant/Grantee Broadcom Corporation									
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Single Modular Approval Requirements  1 The radio elements of the modular transmitter must have their own shielding. The physical crystal and tuning capacitors may be located external to the shielded radio elements.  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.  3 The modular transmitter must have its own power supply regulation.  4 The modular transmitter must comply 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.  Refer to external photos. Shield is over the radio circuit module.  Y the radio circuit module.  All inputs to the modules are buffered through logic or microprocessor inputs.  Refer to Schematics.  P Module contains a hirose connector.  The module will go inside final product where the antenna(s) will be integral to the end product, which can be considered permanently attached.	_					Comply (Y/N)				
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				raph (b)						
1 The modular transmitter must be tested   Module was tested outside   Votor to test   V										
	5				Module was tested outside. Refer to test	Y				
in a stand-alone configuration, <i>i.e.</i> , the setup photos in test report.			_		setup photos in test report.					
module must not be inside another										
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										
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	Refer to label provided.	Y
	equipped with either a permanently	1	
	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		
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	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		Refer to manual	Y
'	The modular transmitter must comply with any specific rules or operating	Keici to manual	1
	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.		
	* * *	•	

8	The modular transmitter must comply	Refer to MPE calculation in the Test	Y
	with any applicable RF exposure	report	
	requirements in its final configuration.		

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.