Applica	nt/Grantee	Broadcom Corporation					
	FCC ID: QDS-BRCM1045						
Section 15.212 Modular Transmitters							
Request for Modular Approval Request for Limited Modular Approval							
request		Requirements	EUT Conditions	Comply (Y/N)			
		1	ar Approval Requirements	Compty (1/11)			
1	The radio ele	ements of the modular	Refer to external photos. Shield is over	Y			
-	transmitter must have their own		the radio circuit module.	•			
	shielding. The physical crystal and						
	tuning capacitors may be located						
		ne shielded radio elements.					
2	The modular transmitter must have		Schematics U1-3 is the chip that controls	Y			
	buffered mod	dulation/data inputs (if suc	_				
	inputs are provided) to ensure that the		as the data rates.				
		comply with Part 15					
	requirements	s under conditions of					
	excessive da	ta rates or over-modulation	1.				
3	The modular transmitter must have its		Internal 3.3V power regulator.	Y			
own power		supply regulation.	Schematics U1-4 is the chip that				
			regulates the DC input to the radio.				
4		r transmitter must comply	Module contains a hiroshe connector.	Y			
		enna and transmission	The module will go inside final product				
	-	rements of Sections 15.20					
	` '	nd 15.204(c). The antenna	the end product, which can be				
		be permanently attached or					
		nique" antenna coupler (at					
		ons between the module an	d				
		including the cable). The					
	-	l installation" provision of					
	Section 15.203 is not applicable to						
		can apply to limited					
	modular approvals under paragraph (b) of this section.						
5		r transmitter must be tested	Module was tested outside. Refer to test	Y			
3		one configuration, <i>i.e.</i> , the	setup photos in test report.	1			
		t not be inside another	setup photos in test report.				
		g testing for compliance					
	· ·	requirements. Unless the					
		nodule will be battery					
		nust comply with the AC					
	-	ed requirements found in					
	Section 15.207. AC or DC power lines						
		ut/output lines connected to					
	_	nust not contain ferrites,					
		will be marketed with the					
	_	Section 15.27(a)). The					
		ese lines shall be the length					
	_	tual use or, if that length is					
	* -	least 10 centimeters to					
	insure that th	nere is no coupling between	n				

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	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	Defer to lebel provided	Y
U		Refer to label provided.	1
	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.		
7	The modular transmitter must comply	Refer to manual	Y
	with any specific rules or operating		
	requirements that		
	ordinarily apply to a complete		
	* 11 *		
	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.