Applica	Applicant/Grantee Broadcom Corporation								
FCC ID: QDS-BRCM1082									
Section 15.212 Modular Transmitters									
Request for Modular Approval Request for Limited Modular Approval									
1000		Requirements		EUT Conditions	Comply (Y/N)				
			gle Modular	Approval Requirements	(=1=1)				
1	The radio ele	ements of the m		Refer to external photos. Shield is over	Y				
	transmitter must have their own			the radio circuit module.					
	shielding. Th	he physical crys	tal and						
	tuning capacitors may be located								
	external to the shielded radio elements.								
2	The modular	r transmitter mu	st have	All inputs to the modules are buffered	Y				
	buffered modulation/data inputs (if such inputs are provided) to ensure that the module will comply with Part 15		puts (if such	through logic or microprocessor inputs.					
			re that the	Refer to Schematics.					
			rt 15						
	requirements	s under conditions of							
	excessive data rates or over-modulation.		modulation.						
3	The modular	r transmitter mu	st have its	Internal 3.3V and 1.8V power regulator.	Y				
	own power s	supply regulation	n.	Refer to schematics.					
4		r transmitter mu	1 -	Module contains a hirose connector.	Y				
		enna and transm		The module will go inside final product					
		irements of Sect		where the antenna(s) will be integral to					
		nd 15.204(c). Th		the end product, which can be					
		be permanently		considered permanently attached.					
	1 "	nique" antenna							
		ons between the							
		including the ca							
	-	l installation" p							
		03 is not application							
		can apply to lin							
		rovals under pa	ragraph (b)						
5	of this section		at he tested	Module was tested outside. Defente test	1 7				
3		r transmitter mu		Module was tested outside. Refer to test	Y				
		one configuration to the configuration to the inside a		setup photos in test report.					
		g testing for cor							
	1	requirements. U	•						
		nodule will be b							
		must comply wi	-						
	-	ed requirements							
		07. AC or DC p							
		ut/output lines c							
	_	nust not contain							
		will be marketed							
	1	Section 15.27(a							
	1	ese lines shall be							
	_	tual use or, if th	_						
		least 10 centim	-						
	insure that th	nere is no coupli	ng between						
	the case of the	he module and s	upporting						

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	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		
	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
_ ′		Kerei 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.		
<u> </u>	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.