Applicant/Grantee Broadcom Corporation								
FCC ID: QDS-BRCM1047								
Section 15.212 Modular Transmitters								
Request	Request for Modular Approval Request for Limited Modular Approval							
ziequese		Requirements	<u> </u>	EUT Conditions	Comply (Y/N)			
			e Modular A	Approval Requirements	Compty (1/11)			
1	The radio ele	ements of the mod		Refer to external photos. Shield is over	Y			
•	transmitter must have their own			the radio circuit module.	•			
	shielding. The physical crystal and			me radio enegri module.				
		citors may be located						
		he shielded radio						
2		r transmitter must		All inputs to the modules are buffered	Y			
		dulation/data inpu		through logic or microprocessor inputs.				
		rovided) to ensure		Refer to Schematics.				
		comply with Part						
		s under conditions						
	_	ata rates or over-m						
3	The modular transmitter must have its			Internal 3.3V power regulator. Refer to	Y			
	own power supply regulation.			schematics.				
4		r transmitter must	comply	Module contains a hirose connector.	Y			
	with the ante	enna and transmiss	sion	The module will go inside final product				
	system requi	irements of Section	ns 15.203,	where the antenna(s) will be integral to				
	15.204(b) an	nd 15.204(c). The	antenna	the end product, which can be				
	must either b	be permanently att	ached or	considered permanently attached.				
	employ a "u	nique" antenna co	upler (at	-				
	all connection	ons between the m	odule and					
	the antenna,	including the cabl	le). The					
	"professiona	al installation" pro	vision of					
		03 is not applicab						
		can apply to limit						
		orovals under paraş	graph (b)					
	of this section							
5		r transmitter must		Module was tested outside. Refer to test	Y			
		one configuration,		setup photos in test report.				
		t not be inside and						
		g testing for comp						
		requirements. Un						
		nodule will be bat						
		must comply with						
		ed requirements for						
		207. AC or DC pov						
	_	ut/output lines cor						
		must not contain for	,					
	_	will be marketed w						
		Section 15.27(a))						
	_	ese lines shall be the	_					
		tual use or, if that least 10 centimeter	-					
		nere is no coupling						
	the case of the	he module and sup	porung					

		T	T
	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
U		Refer to laber 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		
	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.