Applicant/Grantee Broadcom Corporation							
FCC ID: QDS-BRCM1050							
Section 15.212 Modular Transmitters							
Request for Modular Approval Request for Limited Modular Approval							
		Requirements		EUT Conditions	Comply (Y/N)		
			e Modular A	Approval Requirements			
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. Th	he physical crysta	l and				
		tors 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.			
		ovided) to ensure		Refer to Schematics.			
		comply with Part					
		s under conditions					
	_	ta rates or over-m					
3	The modular transmitter must have its		have its	Internal 3.3V power regulator. Refer to	Y		
	own power supply regulation.			schematics.			
4	The modular	r transmitter must	comply	Module contains a hirose connector.	Y		
	with the ante	enna and transmis	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	tached or	considered permanently attached.			
	employ a "u	nique" antenna co	oupler (at				
	all connection	ons between the m	odule and				
		including the cab					
		al installation" pro					
		.03 is not applicab					
		can apply to limit					
		rovals under para	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					
		.07. AC or DC po					
		ut/output lines con					
		nust not contain f					
	_	will be marketed v					
		Section 15.27(a))					
	_	ese lines shall be that	-				
	* -	tual use or, if that least 10 centimet	-				
	· ·	nere is no coupling					
		- 1					
	the case of the	he module and sup	pporung				

	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	Refer to manual	•
	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.		1

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.