Applica	nt/Grantee Broadcom Corporation						
FCC ID: QDS-BRCM1051							
Section 15.212 Modular Transmitters Request for Modular Approval							
Request	est for Limited Modular Approval						
	Requirements	EUT Conditions	Comply (Y/N)				
Single Modular Approval Requirements							
1	The radio elements 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						
	external to the shielded radio elements.						
2	The modular transmitter must have	All inputs to the modules are buffered	Y				
	buffered modulation/data inputs (if such	through logic or microprocessor inputs.					
	inputs are provided) to ensure that the	Refer to Schematics.					
	module will comply with Part 15						
	requirements under conditions of						
2	excessive data rates or over-modulation.	Internal 2.2 V receiver receiver. Defe	V				
3	The modular transmitter must have its	Internal 3.3V power regulator. Refer to schematics.	Y				
4	own power supply regulation. The modular transmitter must comply	Module contains a hirose connector.	Y				
4	with the antenna and transmission	The module will go inside final product	1				
	system requirements of Sections 15.203,	where the antenna(s) will be integral to					
	15.204(b) and $15.204(c)$. The antenna	the end product, which can be					
	must either be permanently attached or	considered permanently attached.					
	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.						
5	The modular transmitter must be tested	Module was tested outside. Refer to test	Y				
	in a stand-alone configuration, <i>i.e.</i> , the	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						

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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		
	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.		
	(<i>B</i>) 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.		
L	approacton for equipment authorization.	1	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, <i>e.g.</i> , 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.					