

Broadcom Corporation  
Request for transmitter modular approval  
FCC ID: B94SDGOB0891  
Transmitter Module Characteristics

Item	Requirements	EUT
1	Have its own RF shielding	<b>Device does not meet the full modular requirements due to no Metal shielding to cover RF section. Refer to external photos. Due to this we are requesting LMA and module will be tested in a host device to confirm that the spurious emissions remain below the required levels.</b>
2	Have buffered modulation/data inputs (if such inputs are provided),	<b>All inputs to the modules are buffered through logic or microprocessor inputs.</b>
3	Have it own power supply regulation	<b>Internal 1.5V and 3.3V power switch. Voltage regulator for 3.3V is inside the chip pin A3 in the schematics. The 1.5V is pin H1 to B2 which is made up by external components C3, C7, R10, C12, and C15.</b>
4	Meet the antenna requirements of Section 15.203	<b>Antenna is permanently attached to radio</b>
5	Be tested in a stand-alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing	<b>Device is tested external to a host on an extender board in a standalone configuration</b>
6	Be labeled with its own FCC ID number, <b>and</b> if the FCC ID 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.	<b>FCC ID label format will be included in the filing. System ID label will be displayed on the host system.</b>
7	The modular transmitter is manufactured so that the user cannot influence the operation of the transmitter that will operate outside of the scope of the regulations.	<b>Refer to “User’s Guide” Exhibit</b>
8	Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1093. In addition, spread spectrum transmitters operating under Section 15.247 are required to address RF exposure compliance in accordance with Section 15.247(b)(4).	<b>MPE calculation is provided to demonstrate RF compliance for mobile modular approval.</b>