

Broadcom Corporation  
Request for transmitter modular approval  
FCC ID: QDS-BRCM1020  
Transmitter Module Characteristics

| Item     | Requirements                                                                                                                                                                                                                                                     | EUT                                                                                                                                                                                                                              |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | Have its own RF shielding                                                                                                                                                                                                                                        | <b>Device is equipped with Metal shielding to cover RF section. Refer to internal photos</b>                                                                                                                                     |
| <b>2</b> | Have buffered modulation/data inputs (if such inputs are provided),                                                                                                                                                                                              | <b>All inputs to the modules are buffered through logic or microprocessor inputs.</b>                                                                                                                                            |
| <b>3</b> | Have it own power supply regulation                                                                                                                                                                                                                              | <b>Internal 1.2V and 3.3V power regulators. Refer to Block diagram</b>                                                                                                                                                           |
| <b>4</b> | Meet the antenna requirements of Section 15.203                                                                                                                                                                                                                  | <b>PIFA antenna with I-PEX connector.</b>                                                                                                                                                                                        |
| <b>5</b> | 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 was connected to a host via an extender board in a standalone configuration</b>                                                                                                                                        |
| <b>6</b> | 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>Two proposed FCC ID label format will be included in the filing. One of label is to be placed on the module and the other label is to be placed on the outside of system. Refer to FCC ID label format and location file.</b> |
| <b>7</b> | 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>                                                                                                                                                                                           |
| <b>8</b> | 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>                                                                                                                                     |