

Microsoft Corporation
FCC ID: C3K1399
Request for transmitter modular approval

Transmitter Module Characteristics

Item	Requirements	EUT
1	The module has its own RF shielding	Device is equipped with Metal shielding to cover RF section. Refer to external photos
2	All modulation and data input(s) are buffered.	All inputs to the modules are buffered through Atheros AR9271.
3	The module has its own power supply regulation and local reference oscillator.	Internal 1.2V power regulator. 40 MHz crystal provides reference frequency to AR9271 to generate LO frequencies.
4	Comply with antenna requirements of Section 15.203 and 15.204(c)	Antennas are permanently connected and non replaceable by the user.
5	The host device, as a stand-alone unit without any separately certified modules, complies with all applicable Radio Standards Specifications.	Device was tested standalone with Laptop as support device. See setup photographs
6	The host device complies with the certification labeling requirements of each of the modules it contains.	Refer to label format exhibit.
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.	There are no adjustments or user accessible controls in hardware or software that will influence operation of the transmitter.
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)	Refer to radio frequency exposure calculation exhibit.