

## Cover Letter

Dear FCC,

Product Creation Studio is the design agent acting on behalf of Qwizdom Inc. of Puyallup, WA. Qwizdom is developing a new product that is compatible with their existing RF audience response system. This system is intended for use in educational, trade-show, entertainment and boardroom environments. The following exhibits pertain to the Q2 RF product, which acts as a handheld data collection unit communicating with the Host RF product. This product uses a system in package 2.4GHz RF transceiver and 8-bit MCU component (MC1321x) from Freescale Semiconductor. This is the request for original certification for the Q2 RF product as a Class B digital device that adheres to the requirements of 47 CFR 15.247.

The FCC ID of the Q2 RF product is SJB-Q2RF.

The MC1321x contains a 2.4GHz Direct Sequence Spread Spectrum radio. The radio design was based on IEEE 802.15.4 requirements for personal area wireless networks. While our application is not IEEE 802.15.4 or ZigBee compliant, it works in a very similar manner to those networking standards. We have a similar packet structure and a similar "listen before send" clear channel assessment process.

Thank you for consideration of this application.

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