



SMART

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Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
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2026-05-01

Subject: Application for Grant of Original Certification, FCC ID: QCI-CBQRMOD3

Dear Application Examiner:

SMART Technologies Inc. is submitting this application for Original Certification for the SMART Docking Station, Model: CBQR-3, FCC ID: QCI-CBQRMOD3.

The SMART Docking Station is a USB-powered device intended for use as an accessory with a SMART Interactive Flat Panel (IFP) display. When connected to a SMART IFP display, the SMART Docking Station supports two-way 2.4 GHz communication with the SMART MultiStylus (Model: PQR-3), provides firmware updates to the SMART MultiStylus (Model: PQR-3), and detects SMART legacy tools (Models: PQX-1, PQX-2, SRX-1 and CRX-1). The SMART Docking Station also operates as a Wireless Power Transfer (WPT) source device to support wireless charging of the SMART MultiStylus (Model: PQR-3).

The SMART Docking Station utilizes a primary MCU and secondary MCU to support these functions. The primary MCU controls two-way proprietary 2.4 GHz communication with the PQR-3 MultiStylus and WPT operations. The secondary MCU is permanently set to receive mode to detect BLE transmissions at 2402 MHz from SMART legacy tools.

During 2.4 GHz communication with the PQR-3 MultiStylus, the primary MCU operates within the 2402 – 2480 MHz frequency band with 3.118% maximum operating duty cycle. Conducted transmit output power is set to 4.1 dBm and utilizes a trace antenna with 5.3 dBi peak gain.

WPT functions include polling and charging modes. In polling mode, the SMART Docking Station continuously polls at 125 kHz to detect when the PQR-3 MultiStylus is docked. When a PQR-3 MultiStylus is docked, charging mode initiates via adaptive power transfer controlled by 125 kHz ASK communication between the SMART Docking Station and PQR-3 MultiStylus. Wireless charging occurs inductively between a transmit coil in the SMART Docking Station and receive coil in the PQR-3 MultiStylus. The design is proprietary to SMART.

This application requests the SMART Docking Station be granted "System Approval". The SMART Docking Station, Model: CBQR-3 has been demonstrated to comply with FCC Parts 15.209 and 15.247. Your efforts in reviewing this application are greatly appreciated. Please contact me if there are any questions or additional information needed concerning this request.

Sincerely,

Sean MacKellar

Sean MacKellar / Sr. Regulatory Specialist
SMART Technologies Inc.