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Federal Communications Commission

Authorization and Evaluation Division

7435 Oakland Mills Road

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To whom it may concern

This is a new radio telemetry product and requires approval under the General Provisions of 47 CFR Part 95 subpart H, Wireless Medical Telemetry Service. We request FCC ID number CM6-670-1632-1400 for the Model 96281-X09Y transmitters.

The Spacelabs Model 96281-X09Y transmitters are battery-operated, patient-worn medical devices. They are used to collect real-time physiological data from ambulatory patients in a healthcare facility. The 96281 has an integral antenna system. Each transmitter is factory-set to operate in a dedicated 25 or 50 kHz channel. There are no user controls for the radio functions on the transmitter. Receiver systems are manufactured and installed by Spacelabs Healthcare.

The transmission protocol is a continuous-wave pulse-coded frequency modulated signal (CW PCM FM). Duty cycle is 100% and there is no return channel. The transmitter option codes determine the configuration and the channel spacing.

| Model - Option | Device Functions | Band | Channel |
|---|---|---|---|
| 96281-A09N | A: ECG transmission | 1395 to 1400 MHz or 1427 to 1429.5 MHz | 25 kHz |
| 96281-A09W | | | 50 kHz |
| 96281-B09N | B: ECG transmission, integrated display | | 25 kHz |
| 96281-B09W | | | 50 kHz |
| 96281-C09W | C: ECG and SPO2 transmission, integrated display | | 50 kHz |

All 96281-X09Y options use a common radio printed circuit board, PN: 670-1632.XX. “09” in the Option code designates these radios as operating in the 1400 MHz Medical Telemetry bands. The RF circuit board also integrates a BlueGiga Model WT12. The BlueGiga Bluetooth transceiver module is registered as FCC ID: CM6-WT12. Bluetooth is used by the factory for programming the device: aligning the transmitter, setting the channel spacing, and assigning the system channel number and corresponding carrier frequency.

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