Professional Installation Attestation

Date: 1/25/2022
FCC ID: YESPCR91502-M

Powercast declares the requirements are met for KDB 353028 D01 v01 for the above-mentioned product device IDs per the details below.

This device must be professionally installed.

Professional Installation permits the use of the following antennas specified below.

Antenna Type	Manufacturer	Part Number	Max Gain
Circular Patch	Laird	PAR90209H	9 dBic = 6dBi
Linear Patch	Powercast	AP-ANT-H1-915	6 dBi
Linear	Pasternack	PE51OM1013	3 dBi

Qualified Cables and Adaptors

Type	Manufacturer	Part Number	Loss at 900MHz
LMR-100	Pasternack	LMR-100	22.8 dB/100ft
RF Adaptor – SMA Plug, Male Pin to RP-TNC Jack, Male Pin	Amphenol RF	242124RP	0.1 dB
RF Adaptor – U.FL (UMCC, IPEX) Female to SMA Female	Adam Tech	CA-DKCA1-152L0-AJI0	1 dB

NOTE: Only similar antennas with the same or lower gain, and cables with/without additional adapters or connectors with total loss same as or higher than the total loss in the table above can be used to connect to the PCR91502-M without violating FCC regulations. It is the responsibility of the professional installers to comply with this requirement.

1. The device referred to in the above IDs is not sold through retail chains or public stores. It is only sold directly to known, qualified users or through Value Added Reseller Partners who are authorized installers or
resellers.

2. The device referred to in the above IDs is not sold via retail or to the general public. It is only sold to known, qualified users or through Value Added Reseller Partners who are authorized installers or resellers.

3. The PCR91502-M is an embedded RFID module for Advanced Industrial devices. It is usually part of a larger industrial system. It is not sold to the general public.

4. The device referred to in the above IDs is an embedded RFID reader typically used as part of a larger Advanced Industrial System, such as an inventory tracking system. Operation of these larger systems requires specific equipment knowledge of configuration of multiple hardware points including RFID tags and RFID antennas. These require installation by an experienced or trained professional.

5. Installation will be controlled by the known, qualified users or Value-Added Reseller Partners who have knowledge of installation requirements. Installation requirements include knowledge of RFID systems including hardware, software, and system integration. Hardware includes placement and orientation of antennas and RFID tags. Software includes operation of the software programming interface. System integration includes positioning, orientation, and distance of the various hardware components including antennas and tags.

6. This product is only sold to known, qualified users or through Value Added Reseller Partners who are either trained professionals or hire knowledgeable, trained installers. It is not sold to the general public.

7. Installation requires special training related to the software programming interface, knowledge of RFID antenna installation, connector cables with specialty connectors, and RFID tags.

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