

## FCC ID: PVJ-410000409

**Justification:** **Processing Gain and Power Spectral Density** of PVJ-410000409 are identical to internal certified transceiver module FCC ID: CGK8001001, and meet the same 15.247 requirements.

### Proof of physical identity:

- 1) internal certified transceiver module FCC ID is clearly shown in “TX PCB top” photo.
- 2) direct connection between RF output of certified transceiver module and antenna of FCC ID: PVJ-410000409 is shown in schematic; there is no intervening circuitry or external filtering..

### Proof of functional identity:

**Peak output power** of FCC ID: PVJ-410000409 is identical to that of internal module FCC ID: CGK8001001, which is certified to 15.247. A comparison of peak output power measurements is given in the table below:

peak output power		2402 MHz	2480 MHz
FCC ID: CGK8001001	<i>conducted</i>	1.11 mW	1.23 mW
FCC ID: PVJ-410000409	<i>eirp</i>	1.07 mW	0.42 mW

The measurements for FCC ID: CGK8001001 were taken from the report “Additional measurements” in the FCC certification database. The results are well within the range of measurement uncertainty of  $\pm 3$  dB and manufacturing variations.

Therefore, the files from FCC ID: CGK8001001 demonstrating compliance with the 15.247 requirements for Processing Gain and Power Spectral Density have been included in the file for FCC ID: PVJ-410000409, under the titles “Processing gain” and “Power spectral density” respectively.