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A power ramping function was added to the TTRF Gateway (FCC ID SMRT11008340) firmware. The power ramping function is a 50us/step ramp of the Chipcon Power amplifier per the application note each time the transmitter is turned on or off.

The overall result of this addition is that with a -2dBm power setting, the TTRF Gateway will operate on additional frequencies channel 0 (902.75) and Channel 3 (927.25) without any modifications to the hardware.

The addition of the ramping code does not require changes to the TTRF Gateway ICs. The code is simply programmed on the existing ICs.

The addition of the power ramping function, in the firmware, does not change the functional operation of the TTRF Gateway.

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