

October 12, 2017

Manager
Equipment Approvals Section
Innovation, Science and Economic Development
Certification and Engineering Bureau
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Subject: APPLICATION FOR CLASS 2 PERMISSIVE CHANGE TO AUTHORIZED Transceiver with ISED ID: 109U-92FT7080

A Class 2 Permissive Change is requested the subject transceiver.

A. DESCRIPTION OF PRODUCT CHANGES:

Current parts has been End of Life (EOL) and new parts has been implemented from approved supplier list (ASL) in order to continue supply, the component changes are made within the Receive & Transmit VCO, Transmitter, Receiver, Controller audio, additional DC supply for Mic Bias. The component changes are :

- 1) pin-to-pin compatible (except Receiver front-end)
- 2) has the same basic function as the previous chip
- 3) no change in radio parameters
- 4) does not impact PCB re-layout (Transmitter)

Below is a table showing the product summary.

Trade Name	Model Numbers	Frequency Range-MHz	RF Power - W	Authorized Emissions
XPR 5350e XPR 5550e	AAM28QNC9RA1AN AAM28QNN9RA1AN	406.1-430; 450-470 MHz	1-30 W	16K0F3E, 11K0F3E, 7K60F1D, 7K60F1E, 7K60FXD, 7K60FXE, 7K60F1W
		2402-2480 MHz	7.1 mW	1M20G1D
		2402-2480 MHz	3.0 mW	1M20G1D
		2412-2462 MHz	17.0 mW	17M9D1D

B. PERFORMANCE DIFFERENCES:

EME has been assessed and no MPE test is required. However, degradation was found in Conducted Spurious Emission compared to the original filing but still within the ISED limits.

C. CONCLUSION:

This radio continues to meet all RSS-119 and RSS-247 emissions requirements for which authorization was granted. However, the Conducted Spurious Emission has degraded compared to those originally reported, thus this change does meet requirements of a Class-2 Permissive Change.

Please note that this product will not be distributed, leased or offered for sale in Canada until it is listed on the Industry Canada Radio Equipment List (REL).

If you require any additional information, please contact me at (954) 723-4707.

Sincerely,



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