redline
communications

August 24, 2016

Applicant: Redline Communications Inc.
Reference: FCC ID: QC8-RDL3000RMG

Regarding Class II Permissive Change Application

Original and Additional Questions:

FCC Q1	How will the grantee ensure only the new C2PC units will be sold?
Redline A1	As stated in our application; there will not be a hardware change. The change will be in the software. Any new units sold require the software upgrade to be functional.
FCC Q2	Will they have different model no.?
Redline A2	C2PC units will be the same model with updated software and license key
FCC Q3	How will someone (retailers) who has a non-compliant unit vs compliant unit know that they can sell the unit? How will it be made clear in the filing?
Redline A3	Redline's network of distributors will be restricted to use of the new software only.
FCC Q4	The submitted cover letter also brings up another concern in that third parties such as professional installers are not allowed to change country configurations that are outside US radio parameter that were approved. Please explain.
Redline A4	This statement was provided to reinforce the limits imposed on the professional installers on configuring the radio to only the FCC approved configuration.

This device, FCC ID: QC8-RDL3000RMG, will be updated to operate in the following bands only 4940-4990MHz, U-NII-1 (5150-5250MHz) and U-NII-3 (5725-5850MHz).
Each Redline radio model is hard coded with a unique radio identification. It will be updated by Redline controlled software only. Redline's software configuration control will ensure that only the units with updated software and license key are sold under the same FCC ID.

The radio system and all associated software are proprietary to Redline Communications Inc. The software is updated by signed binary file, the integrity of which is verified by the system prior to activation. Redline's radio systems can only run software provided by Redline Communications Inc., which is available directly from Redline, or from Redline's certified partners.

302 Town Centre Blvd
Markham, ON L3R 0E8 Canada
t +1.905.479.8344 / +1.866.633.6669
f +1.905.479.5331
www.rdlcom.com

redline®
communications

 The radio system's current operating regulatory domain is controlled by a license key, which can only be generated by and obtained from Redline Communications Inc. The license key is generated specifically for the regulatory domain into which the radio is to be deployed. It prevents the radio from operating in any way which may violate regulatory requirements.

Redline has created new region software keys (FCC regions 35 and 36) to replace the older region keys (FCC regions 6 and 7). Only the new region keys (35 & 36) with the matching Type-approved unique radio ID will be accessible through the Redline key generation tool. All non-compliant radio-types have been removed.

All configuration access to the radio system is done via Redline-designed user interfaces. No access to the underlying operating system is available to any user of any type. The user interfaces ensure that the radio is configured in a way that conforms to the regulatory domain specified by the active license key. The radio's interfaces have user security implemented. Only users with sufficient security permissions (i.e. professional installers) have write access to the radio's configuration. Even with a sufficient security level, any configuration change that a user attempts which would violate regulatory requirements is explicitly denied by the operating system.

Sincerely,

Rod Cronin
AVP Product Management
Ph: 905.479.8344 x2377
rcronin@rdlcom.com