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communications

June 20, 2018

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Applicant: Redline Communications Inc.
FCC ID: QC8-RDL3000RMG3
Model: RDL-3000-RMG3
RE: Expedited DFS Review

Dear Sir / Madam:

We, Redline Communications Inc., are submitting the formal request for an expedited C2PC
DFS review for FCC ID: QC8-RDL3000RMG3 based on its similarity to already approved
FCC ID: QC8-RDL3000RMG.

FCC ID: QC8-RDL3000RMG has been approved after DFS testing was performed by the FCC
OET Lab.

The table below compares the two applications.

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	Previous Application	**New Application**
FCC ID:	QC8-RDL3000RMG	QC8-RDL3000RMG3
Technology: (i.e.;802.11x, frame based, MIMO, smart antenna, etc.)	Proprietary protocol derived from IEEE 802.11a MIMO 2x2	Proprietary protocol derived from IEEE 802.11a MIMO 2x2 (no difference)
Bandwidth information and differences	5, 10 and 20MHz	5, 10 and 20MHz (no difference)
Antenna information and differences for the minimum gain antennas	10dBi Omni antenna minimum gain	10dBi Omni antenna minimum gain (no difference)
DFS rule version (old/new)	New	New (no difference)
Difference in DFS functioning, circuitry, software, etc.	None	None
Detection BW	4.2/8.4/16.4MHz	4.1/8.2/16.4MHz
Detection probability	> 83% for all BWs	> 91% for all BWs
Detection threshold	-64dBm	-64dBm +/-1dB
Software security	Complies with requirements of KDB 594280 D02 UNII Device Security v01r03	No change, complies with requirements of KDB 594280 D02 UNII Device Security v01r03
Differences between products such as Tx power, modulation, receivers, processing circuitry, etc.	Meets outdoor Tx power requirements	Meets outdoor Tx power requirements (no difference)
Name of the test lab that performed DFS testing	NTS, Freemont, CA	NTS, Freemont, CA

Based on the similarities between the device that has been approved and FCC ID: QC8-RDL3000RMG3 we are requesting that the requirement for pre-grant testing by the FCC OET Lab is waived for this device.

Sincerely,

Rod Cronin
VP of Product Management and Integration
Ph: 905.479.8344 x2377
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