



Nemko Canada Inc.
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Ottawa, Ontario, Canada K1V 1H2
Attn: Director of Certification

Cover letter

Application for a Class 2 Permissive Change to certified device FCC ID: UKMMRG1012

EUROTECH SpA having a business address at Via Fratelli Solari 3/a- 33020 Amaro (UD) - Italy, herein submits its application for a Class 2 Permissive Change to the certified WiFi 2.4/5 GHz radio module FCC ID: UKMMRG1012

Radio module was authorized under FCC ID: UKMMRG1012 for following Frequency ranges and classes:

FCC 15C - DSS - Part 15 Spread Spectrum Transmitter: 2402.0 ÷ 2480.0 MHz, max 0.0145 W output

FCC 15C - DTS - Digital Transmission System: 2402.0 ÷ 2480.0 MHz, max 0.0068 W output

FCC 15C - DTS - Digital Transmission System: 2412.0 ÷ 2462.0 MHz, max 0.1009 W output

FCC 15E - NII - Unlicensed National Information Infrastructure TX: 5180.0 ÷ 5240.0 MHz, max 0.0426 W output

FCC 15E - NII - Unlicensed National Information Infrastructure TX: 5190.0 ÷ 5230.0 MHz, max 0.0256 W output

FCC 15E - NII - Unlicensed National Information Infrastructure TX: 5745.0 ÷ 5825.0 MHz, max 0.0296 W output

FCC 15E - NII - Unlicensed National Information Infrastructure TX: 5755.0 ÷ 5795.0 MHz, max 0.0203 W output

DESCRIPTION OF CLASS 2 PERMISSIVE CHANGE:

- Added new hosts and colocation with following radio module: WCDMA and LTE cellular wireless module, Telit Communications SpA, PCS licensed transmitter, FCCID: RI7LE910CXNF.

- The antennas used are as follows:

SET 1 → Target use case: industrial, no remote antenna (direct or cable attach – ground plane independent), indoors

NOTES	VENDOR	MODEL	BANDS	Peak Gain (dBi)	VSWR
CELLULAR / LTE	2J-ANTENNA	2JW0124-C868B	698-960 MHz 1710-2170 MHz 2500-2700 MHz	0.4 / 2.6 / 1.3	2.4 / 1.6 / 2.2
WiFi / BT	LINX Technologies	ANT-DB1-RAF-RPS	2.40-2.483 MHz 5.15-5.825 GHz	2.5 / 4.6	<1.9
GNSS	2J-ANTENNA	2J4301MPGF	1575.42-1606 MHz		NA

SET 2 → Target use case: Automotive/remotized industrial (cable attach, ground plane independent), indoors/outdoors

NOTES	VENDOR	MODEL	BANDS	Peak Gain (dBi)	VSWR
CELLULAR / LTE	2J-ANTENNA	2J5424P	698-960 MHz 1710-2170 MHz 2500-2700 MHz	1.8 / 2.4 / 2.1	2.7 / 2.1 / 2.0
WiFi / BT	2J-ANTENNA	2J4802P	2410-2490 MHz 4920-5925 MHz	3.2 / 4.2	1.3 / 1.3
GPS	2J-ANTENNA	2J4301MPGF	1575.42-1606 MHz		NA

Date February 12, 2021

Roberto Siagri (CEO)

EUROTECH SpA

Signature 

EUROTECH S.p.A.

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