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23<sup>rd</sup> November 2015

Telecommunication Certification Body  
UL VS Ltd  
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Subject: Attestation of Compliance to FCC Rules supporting a Class III submission for FCC ID: QWP-50450I to add Part 15E, UNII-2A (5.25 – 5.35 GHz) and UNII-2C (5.47 – 5.725 GHz) to the already certified device.

Application for FCC ID: QWP-50450I

Applicant: Cambium Networks Ltd

Dear Examiner,

**Attestations:**

Cambium Networks Ltd confirms that: -

The PMP 450I / PTP 450I product used for test in support of this Part 15E submission are electrically and functionally identical to the product used in the original Part 15C, Part 90Y and Class 3 Permissive change Part 15E UNII-1 submissions. As in the previous submission the product is available in both Connectorized and Integrated antenna configurations with Out of Band management functionality.

Supporting evidence supplied for the original submission such as Circuit Diagrams, PCB layout, Parts lists etc. remain valid for this submission.

**Software Defined Radio (SDR)**

The PMP 450I / PTP 450I is capable of operation over the 4.9GHz to 5.925GHz frequency band, the product is software configurable for compliant operation in the FCC Part15.247 5.725 GHz to 5.850 GHz (5.8 GHz ISM band), Part 15.407 5.15GHz to 5.25GHz (UNII-1) 5.25 GHz to 5.35 GHz (UNII-2A), 5.47 GHz to 5.725 GHz (UNII-2C) and Part 90Y 4.94GHz to 4.99GHz (PLMR) bands

Software versions approved in the Original QWP-50450I Grant and this Class III Permissive change are listed below.

Software Version used for Part 15.247 test: -

- B135-PXP455-PRODTEST-2015FEB27

Software Version used for Part 90Y test: -

- B144-PXP455-PRODTEST-2015MAR13

Software Version used for Part 15E UNII-1 band test: -

- B176-PXP455-PRODTEST-2015MAR13

Software Versions used for Part 15E UNII-2A and UNII-2C band test: -

- B176-PXP455-PRODTEST-2015MAR15
- Canopy 14.0, DFS testing

We further state that there has been no change to the original Software and Distribution Documentation to support this submission. The customer release software to support Part 15E UNII-2A and UNII-2C will be CANOPY 14.2. There are no changes in the Point software release CANOPY 14.2 that may affect any of the certification test cases.

Pmp-0955 PMP-PTP 450i Software Defined Radio security description guide has been updated to reflect the proposed customer facing traceable identification reference.

As per the requirements of KDB 442812 §IV, pmp-1006 PMP-PTP 450i U-NII Security Guide (Response to KDB 594280 D02) which was supplied with the UNII-1 band C3PC to support the addition of the Part 15E UNII bands has been updated to reflect KDB 594280 D02 U-NII Device Security v01r03.

Sincerely yours,



Donald W Reid  
CEng MIET  
Principal Regulatory Engineer  
Cambium Networks Ltd