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Modular Transmitter Approval Request

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

Company name: HP Inc.
FCC ID: B94VCVRA1712

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v01r04'. FCC ID B94VCVRA has been examined against the following requirements.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v01r04'	Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved)
The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly	All parts reside under rectangular shield; with exception of host connector, PCB antenna, and antenna tuning parts which are outside shield.
The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal	Buffered inputs are part of the design of the radio ICs.
The module must contain power supply regulation on the module	Host provides +3.3V. Modules include specific Power Modulation Integrated Chip (PMIC) for generation of device voltage supplies +2.2V, +1.8V, +1.05V.
The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	The module includes a pair of antennas designed as part of the circuit board. There is also a special connector loaded in some module variants for connecting one

	external antenna in place of one of the built-in antennas. HP has identified the external antenna to be used with this connector and that antenna was included for evaluation by the compliance test lab as part of the compliance test program.
The module must demonstrate compliance in a stand-alone configuration	Compliance was evaluated operating the radio as a stand-alone device in the following reports from MiCOM Labs: MARS11 U2, MARS11 U4, MARS11 U9, MARS11 U13.
The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	The FCC ID will be added to the PCB stencil on the bottom side of the module for mass production. Any modules sold prior to this stencil change will have permanent labels with the FCC ID attached to the module.
The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee	Design Verification Testing reports contain all the Tx and Rx data indicating compliance to standards. As this module is used only by HP, HP maintains full control over product integration.
The module must comply with RF exposure requirements	Compliance with the RF exposure rules was demonstrated in MiCOM report <u>MARS11_MPE_FCC_Rev_A_All_Bands</u>

Name: Manish Oswal

Date: 18th Dec 2017

Title: Regulatory Engineer

Signature of applicant

