Nokia Solutions and Networks

Date: May 19, 2018

Federal Communications Commission Authorization and Evaluation Division

FCC ID: **2AD8UFZCWMBOM2**

Product: AC220m Wi-Fi module OD US

Model: FZCWMBOM2

To Whom It May Concern:

We, Nokia Solutions and Networks submit this formal request to the FCC Authorization and Evaluation Division for an Expedited Review for the DFS radar testing required by KDB 388624 D01 Permit but Ask Procedure on FCC ID: 2AD8UFZCWMBOM2

Reasoning for Expedited Review:

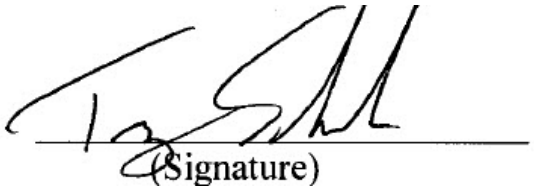
The FZCWMBOM2 (FCC ID: **2AD8UFZCWMBOM2**) and the WM2B-AC220m (FCC ID: **2AD8UFZCWM2B1**) utilize the same Qualcom RF Chipset Model: IPQ4029 and the same RF module, but have different housing and Antenna gains.

The WM2B-AC220m (FCC ID: **2AD8UFZCWM2B1**) utilizes 2 x 2 Dual Band PIFA Antennas with gains of 5.17dBi (2.4GHz) and 6.17dBi (5GHz).

The FZCWMBOM2 (FCC ID: **2AD8UFZCWMBOM2**) utilizes 2 x 2 Dual-Band Omni Antennas with gains of 4.0dBi in 2.4GHz and 7.0dBi (5GHz) Band and utilizes 2 x 2 Dual-Band Directional Antennas with gains of 8.5dBi in 2.4GHz and 9.6dBi (5GHz) Band.

FCC ID: **2AD8UFZCWM2B1** DFS Verification testing was performed at the FCC on April 2, 2018. The DFS detection functionality has not been changed between these devices and the Previously Granted DFS Device retains the lowest antenna gain.

	FCC ID of Previously Granted DFS Device	FCC ID of New Application
Technology	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Bandwidth	Up to 80MHz	Up to 80MHz
Antenna Information	PIFA Antenna, 6.17dBi (5GHz)	Omni Antenna, 7.0dBi (5GHz); Directional Antenna, 9.6dBi (5GHz)
DFS function, circuitry, software	The same RF circuitry with Qualcom RF Chipset Model: IPQ4029; the same software with NOKIA FW: NWF.7D.10	
TX power, Modulation, receivers	There is different TX power between two applications, and the other are the same.	
Name of the test labs for the various Grants	MRT Technology (Suzhou) Co., Ltd	MRT Technology (Suzhou) Co., Ltd



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