

Magic Leap, Inc.

Federal Communications Commission
7435 Oakland Mills Road
Columbia MD 21046

Date: April 1,, 2019

Subject: Request for Class II Permissive Change

FCC ID: 2AM5NM2000

To Whom It May Concern:

Magic Leap, Inc. requests a Class II Permissive Change to add BLE transceiver to the existing FCC grant for Magic Leap One Control with FCC ID: 2AM5NM2000.

1. Description:

FCC ID	Mode	Frequency range	Max Power
2AM5NM2000	BLE (new)	2402 – 2480 MHz	7.5 dBm (5.6 mW)
	Proprietary (*)	2401 – 2478 MHz	20 dBm (100 mW)
	EM (*)	0.028 - 0.042 MHz	-

Note: (*) Previously approved.

- The BLE mode is added through a software update. This device is not a Software Defined Radio (SDR) device. The existing radio hardware and firmware inside the Magic Leap One Control is capable of operating with either a proprietary 2.4GHz protocol or Bluetooth Low Energy protocol. The previous software only had 2.4GHz proprietary protocol enabled, and the BLE protocol was disabled. The new software will transition the mode of operation from 2.4GHz proprietary to BLE. There is no change to the hardware or firmware.
- There is no increase in the output power rating (the maximum power rating for the previously approved proprietary mode was 20dBm and the new Bluetooth LE mode maximum power rating is 7.5dBm). The Equipment Class, DTS, remains the same.

This device continues to meet FCC requirements for which the equipment authorization was granted. Attached are BLE test reports and Theory of Operation description to include BLE. All other documents are remain the same as previously provided. If there is any additional information needed regarding this application, please contact us.

Best Regards



Jonathan Reeves
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Magic Leap, Inc.