Ford Motor Company
Fairlane Business Park 2
17425 Federal Drive
Allen Park, MI 48101

9 June 2023

Federal Communications Commission
7435 Oakland Mills Road
Columbia, Maryland 21046
USA

Subject: Model **SG5PHX**
FCC ID: **KMH-SG5PHX**
IC: **1422A-SG5PHX**

Dear Commission,

Please be advised that model **SG5PHX** is manufactured for the global market. When marketed in vehicles in the U.S. under FCC ID: **KMH-SG5PHX** and in Canada under IC: **1422A-SG5PHX** the non-volatile memory (NVM) will be programmed by the manufacturer to only actively scan and operate on specific channels during normal WLAN operation. **Wi-Fi Direct mode is not supported or enabled by SG5PHX.**

The device operates as a client without radar detection capability in the STA mode and will be programmed at the factory to passively scan on only the following dynamic frequency selection (DFS) channels and will only listen for a master device. The product cannot send a active probe request to initiate communication on any DFS channels. Manufacturer software and drivers will never enable the device to act as a master or GO for operation in DFS frequency bands. **Therefore, ad-hoc mode is always disabled on the following passive scan DFS channels:**

- Channels 52-64, 5260-5320MHz 802.11a/n/ac/ax mode (20MHz channel)
- Channels 54&62, 5270&5310MHz 802.11a/n/ac/ax mode (40MHz channel)
- Channels 58, 5290MHz 802.11a/n/ac/ax mode (80MHz channel)
- Channels 100-144, 5500-5720MHz 802.11a/n/ax/ac mode (20 MHz channel)
- Channels 102-142, 5510-5710MHz 802.11n/ac/ax mode (40MHz channel)
- Channels 106 & 138, 5530 & 5690MHz 802.11ac mode (80MHz channel)
- Channels 106 & 138, 5530 & 5690MHz 802.11ax mode (80MHz channel)

This device meets the requirements of FCC Part 15.202 and accordingly will be programmed at the factory to actively scan only in the AP mode on the following non-DFS channels to initiate communication during normal WLAN operation. **Wi-Fi Direct mode is not supported or enabled by SG5PHX.**

- Channels 36-48, 5180-5240MHz 802.11a mode
- Channels 36-48, 5180-5240MHz 802.11n/ac/ax mode (20 MHz channel)
- Channels 38-46, 5190-5230MHz 802.11n/ac/ax mode (40MHz channel)
- Channel 42, 5210MHz 802.11ac/ax mode (80MHz channel)
- Channels 149-165, 5745-5825MHz 802.11a mode
- Channels 149-165, 5745-5825MHz 802.11n/ac/ax mode (20 MHz channel)

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- Channels 151-159, 5755-5795MHz 802.11n/ac/ax mode (40MHz channel)
- Channel 155, 5775MHz 802.11ac/ax mode (80MHz channel)

This information as programmed into the NVM will not be accessible and cannot be changed by the end user or any other third-party application. The transmitter is approved as a non-software defined radio and neither end users nor third-party applications have the ability through software to allow configuration controls that would permit the device to operate outside the grant conditions per FCC KDB 594280.

Dated: **5 June 2023**

By:  (Signature) **David J. Orris**

Title: **Product Development Engineer**

E-mail: **dorris@ford.com**

On behalf of: **Ford Motor Company**
Building 5
20300 Rotunda Drive
Dearborn, Michigan 48124
United States of America

Telephone: **+1 313 805 5627**