



Excellence in Compliance Testing

5015 B. U. Bowman Dr.
Buford, GA 30518

September 10, 2015

ACS TCB
5015 B.U. Bowman Drive
Buford, GA 30518

Re: FCC ID: VEYXVMR1

To Whom It May Concern:

The following application is submitted on behalf of our client, xG Technology, Inc., for evaluation of their model xVM for a Class 2 Permissive Change under FCC Part 15.247.

The model xVM (FCC ID: VEYXVMR1) is a ruggedized subscriber device that is meant to be installed in or outside vehicles. The xVM provides a WIFI to xMAX bridge. Users connect locally with Wifi enabled devices and the data is backhauled via the xMax network seamlessly. The unit consists of the 900 MHz xMax radio and 802.11b/g WLAN module (FCC ID: VEYXMODR1W1).

The purpose of the Class II Permissive Change is to add a new antenna type to the FCC ID: VEYXVMR1 900 MHz xMax radio. There are no output power changes or other hardware changes on the equipment. During the evaluation for the original certification, all the transmitter radiated emissions measurements in the restricted bands were performed using a matching load at the antenna ports. The remaining RF parameters were evaluated using RF conducted methods applicable to DTS devices with the equipment set to operate at the maximum RF output power and correction factors accounting for the highest antenna gain.

Considering that this application concerns a new 900 MHz antenna of lower gain, 2 dBi, no further measurements were deemed necessary to demonstrate compliance. The results from the original application are considered representative of the worst case. The equipment was just evaluated for intermodulation products of the co-located radio and unintentional emissions and was found to be in compliance.

Based on the test methods and results from the original certification of the FCC ID: VEYXVMR1, the equipment is deemed compliant to the aforementioned test requirements for the 2 dBi 900 MHz dual polarized magnetic mount MIMO antenna configuration.

Sincerely,

Sam Wismer
Vice President, Technology
Advanced Compliance Solutions, Inc.