

MAAC Radio Spectrum Advisory

Revised December 2018

Since 2006, MAAC members have enjoyed the benefits of Digital Spread Spectrum radios using frequencies in the 2.4 GHz band. We use channels, up to 1 MHz wide with frequencies ranging from 2.400 to 2.4835 GHz. This band is in the I.S.M. band, the Industrial, Scientific and Medical band. It is also a licence and fee exempt band. Sharing the band with us are Bluetooth devices, First person View video links, Amateur radio operators and Wi-Fi. Blue tooth devices include hearing aid controllers, and headsets to communicate with Cell phones.

WI-FI is also installed in GOPRO cameras. Tests were conducted to see if it is possible to simulate the loss of radio control the GOPRO WI-FI is turned on. Antenna fades, frame and holds all increased with an on-board GOPRO camera.

As more and more electronic devices operate in this band, the potential for radio interference is possible.

Reports have been received of suspected radio interference from Blue-tooth devices. Under the right conditions which may occur in the vicinity of multiple users, there could be incidents of loss of control of your Radio Control equipped device.

Until further advised, it is recommended to shut off your Bluetooth, WI-FI devices and your Cell phone when flying R.C. Or place your cell phone in AIRPLANE mode when at the R.C. Flight line. Afterall, we don't want any distracted flyers at the R.C. Flight line.

Please contact any of the Radio Spectrum committee members if you require more information. If you have a suspected interference issue, please note time and location of the suspected interference.

Thank you,

Mark Betuzzi - Radio Spectrum Chair - MAAC