**From:** Dusmantha Tennakoon
**To:** Jenn Warnell
**Subject:** FW: Response to Inquiry to FCC (Tracking Number 521525)
**Date:** Wednesday, April 17, 2013 9:12:51 AM

Meru.

Best Regards,

Dusmantha Tennakoon
Wireless Lab Manager
EMC Department
MET Labs

**From:** oetech@fccsun27w.fcc.gov [mailto:oetech@fccsun27w.fcc.gov]
**Sent:** Thursday, April 04, 2013 4:11 PM
**To:** Dusmantha Tennakoon
**Subject:** Response to Inquiry to FCC (Tracking Number 521525)



**Office of Engineering and Technology**

**Inquiry on 03/19/2013 :**

**Inquiry:**

A client wishes to certify a wireless AP that has two identical 2.4 and 5 GHz dual band radios inside of it. Each radio is a 3x3 MIMO. The antennas for each radio is less than 20 cm apart and could transmit simultaneously. To address co-location, in addition to MPE, we propose to test out of band emissions when both radios are transmitting simultanously. We will test a combination of channel configurations. For example, when radio 1 is on the low channel in 2.4 GHz band we will put radio 2 on 2.4 GHz channels low, mid and high and perform out of band emissions. We will also do this for a combination of 2.4 and 5 GHz channels. We will also ensure that the total out put power does not exceed the limits for a combination of two radios.

Since Co-located radios are on the PBA list wanted to verify that the above mentioned test plan would suffice.

---Reply from Customer on 04/03/2013---

Wanted to follow up on this question. Thanks.

**FCC response on 04/04/2013**

Your test plans regarding out-of-band emissions are acceptable. Regarding in-band emissions, note that the total power and power spectral density of the transmissions in any given FCC band (e.g., 2400-2483.5 GHz, and each of the four UNII bands) must satisfy the standard limits for that band even when both radios are transmitting in the same band.

If you have questions about RF exposure, please submit those in a separate inquiry.

Please follow the standard PBA process.

**Attachment Details:**

Do not reply to this message. Please select the Reply to an Inquiry Response link from the OET Inquiry System to add any additional information pertaining to this inquiry.