

From: Kris Merkel

To: Doug Young

Date: January 13, 2014

Subject: Request for Info - STA File #1163-EX-ST-2013

Message:

In regards to the question about this being a ground based test:

The answer is yes. This is a ground base test. The Transmitter will be on a tripod in the
This was accidentally typed backwards. The dwell times would be randomly chosen from values between
1ms and 100ms. Our signal generators would be programmed with a list sweep with up to 1600 different
cw frequencies with each having a randomly generated dwell time. The frequencies would be chosen
based on the the final approved frequencies we are allowed to transmit in.

The signal generator has the ability to modulate up to 30 MHz at low frequencies and this spec is lower at
higher frequencies. The statement my have been typed to generally to describe the capability of the
signal generator. Typically we will only have modulation up to 16 MHz wide.

To calibrate our system we need a range of frequencies between 500 MHz and 20 GHz. We do not need
every frequency at a 1 or even 100 MHz step though. We can eliminate frequencies where there are
major conflicts with spectrum owners.

The last time that we received an STA we than went through all the frequencies that required
coordination with other owners and did not transmit in those frequency bands.

We "DO NOT" need to transmit in the 1525 to 1559 MHz range.

Thank You
Aaron Traxinger