

From: Mark Ingersoll

To: Doug Young

Date: October 19, 2012

Subject: Request for Info - STA File #0841-EX-ST-2012

Message:

In reference to the frequencies: 1946, 1923 and 746-756 MHz, we stated 0 watts emitted for these frequencies as they are the uplink frequencies from commercial cellular handsets to our equipment. With the clarification that we need only list the frequencies that we're transmitting upon, the aforementioned frequencies are probably irrelevant to this application.

As for who is transmitting what, our testing will specifically involve the following:

- SOCOM exercise participants wish to evaluate call quality from commercial handsets (Motorola Atrix, Samsung Galaxy) for both circuit-switched and VoIP calls. The path will be from handset to Base Transceiver Station (BTS) across a backhaul to another BTS and to another user handset.
- Each handset will be outfitted with software to periodically report its location, handset status and as-received RF characteristics. These reports will be via IP packets to the BTS and to mission computers that aggregate this data and display system status within a Common Operating Picture.
- Handsets will also be outfitted with software that displays their position in locally-stored maps, periodically emitting and receiving position data with other handsets in the greater network.
- Handsets may also periodically transmit location-tagged photographs, video recordings, audio recordings, messages and live video to the aforementioned mission computers.

With regards to 47CFR2.803(e), having read this section it appears we may indeed be permitted to operate without an experimental license given we're compliant with its terms. We will further investigate to ensure we're compliant within its terms and provisions.

Please accept my thanks and appreciation for helping us to better understand these terms and provisions, especially within this short period of time.

Mark Ingersoll
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