



October 29, 2013

Dear Edna Prado,

Below are the responses to your latest inquiries for FCC ID: **BOIFAXMP**. The original email is attached on pages 2 and 3 for your reference.

**Inquiry 1:** "1) The application states that the equipment is a software defined radio (SDR). However, no software security description was included. Confirm if this is in fact an SDR, if so provide the required documentation. For additional information on what constitutes an SDR, refer to KDB Publication 442812 D01 SDR Apps Guide v02r01. "

**Harris Broadcast Response:** *This is not a software defined radio. This was a clerical error on the application – the selection was inadvertently checked.*

**Inquiry 2:** "2) The application states that this is a limited split module. However, limited split modules are not permitted for licensed devices. Please clarify. See 996369 D01 Module Certification Guide v01r03 for additional information. "

**Harris Broadcast Response:** *This is a standalone FM transmitter. The limited split module selection should not have been selected.*

**Inquiry 3:** "3) The test report indicates that spurious emissions were measured in the FM-only mode. Provide an explanation on why the measurements were not made in the FM+HD mode and how compliance was confirmed."

**Harris Broadcast Response:** *When measuring the level of an unmodulated signal its measured level will be unaffected by the measurement bandwidth of the spectrum analyzer. When modulation is applied (as in FM+HD) the signal spreads out wider than the measurement bandwidth, thus lowering the result. Hence measuring the level at the highest output power unmodulated will yield the worst case scenario.*

Thank you and regards,

A handwritten signature in black ink that reads "John Harmon".

John Harmon  
October 29, 2013

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**Office of Engineering and Technology**

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John Harmon, Harris Broadcast

To:

[john.harmon@harrisbroadcast.com](mailto:john.harmon@harrisbroadcast.com)

Edna Prado

From:

[edna.prado@fcc.gov](mailto:edna.prado@fcc.gov)

BOIFAXMP

Re: FCC ID:

HBC Solutions, Inc.

Applicant:

44517

Correspondence Reference Number:

EA328017

Form 731 Confirmation Number:

10/24/2013



Date of Original E-mail:

After technical review of the application, the following items need to be addressed:

- 1) The application states that the equipment is a software defined radio (SDR). However, no software security description was included. Confirm if this is in fact an SDR, if so provide the required documentation. For additional information on what constitutes an SDR, refer to KDB Publication 442812 D01 SDR Apps Guide v02r01.
- 2) The application states that this is a limited split module. However, limited split modules are not permitted for licensed devices. Please clarify. See 996369 D01 Module Certification Guide v01r03 for additional information.
- 3) The test report indicates that spurious emissions were measured in the FM-only mode. Provide an explanation on why the measurements were not made in the FM+HD mode and how compliance was confirmed.