

From: Richard Ball

To: Leann Nguyen
Date: March 17, 2015

Subject: FCC File 0046-EX-RR-2015

Message:

Ms. Nguyen:

In reply to your inquiry dated 3/10/2015 concerning pre-coordination by FAA of the 120.1-129.2 MHz band on File No. 0046-EX-RR-2015, this is to confirm that FAA's Lorena Carvajal has confirmed approval of the following sub-bands:

121.9375 - 123.5875 MHz
128.8125 - 129.2000 MHz

Please see below.

Please advise if you have any questions regarding this completed FAA coordination.

Best regards,

Jeff Rummel
Attorney for BAE Systems

Jeffrey E. Rummel
Partner

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From: Lorena.Carvajal@faa.gov [mailto:Lorena.Carvajal@faa.gov]
Sent: Monday, March 16, 2015 4:40 PM
To: Rummel, Jeffrey
Cc: Leann.Nguyen@fcc.gov; Mario.CTR.Jimenez@faa.gov
Subject: RE: Follow-Up re: BAE Systems - Request for FAA Coordination - Pending Renewal of Experimental Station WF2XAM - File No. 0072-EX-RR-2011

Jeff,
The correct bands should be:

121.9375 - 123.5875 MHz
128.8125 - 129.2000 MHz

I'm sorry there was a typo in my previous email. I wrote 120.9375 MHz but it should be 121.9375 MHz.

Lorena Carvajal
Federal Aviation Administration
Spectrum Engineering Office AJW-1C2
202-267-7051

From: Rummel, Jeffrey [mailto:Jeffrey.Rummel@arentfox.com]
Sent: Monday, March 16, 2015 3:47 PM
To: Carvajal, Lorena (FAA)
Cc: Leann.Nguyen@fcc.gov
Subject: Follow-Up re: BAE Systems - Request for FAA Coordination - Pending Renewal of Experimental Station WF2XAM - File No. 0072-EX-RR-2011

Ms. Carvajal:

Thank you, as always, for your prompt review of these frequency issues relevant to my client BAE Systems.

BAE Systems does not believe that the carve-outs you have identified will cause a significant issue at this time.

Based on your email, it is BAE Systems's understanding that FAA is willing to approve the following sub-bands rather than the full 120.1-129.2 MHz that was previously authorized on the license:

- 120.9375-123.5874 MHz
- 120.8126-129.200 MHz

Please advise if the above is not correct.

Best regards,

Jeff

Jeffrey E. Rummel
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From: Lorena.Carvajal@faa.gov [mailto:Lorena.Carvajal@faa.gov]
Sent: Friday, March 13, 2015 10:33 AM
To: Rummel, Jeffrey
Cc: Leann.Nguyen@fcc.gov
Subject: RE: BAE Systems - Request for FAA Coordination - Pending Renewal of Experimental Station WF2XAM - File No. 0072-EX-RR-2011

Jeff,
All ATC frequencies have to be excluded because of potential for interference. Please start the band at 120.9375 MHz instead of 120.100 MHz and exclude all frequencies from 123.5875 to 128.8125 MHz.

FCC,
Please add these exclusions to the record and the license.

Thank you,

Lorena Carvajal
Federal Aviation Administration
Spectrum Engineering Office AJW-1C2
202-267-7051

From: Rummel, Jeffrey [mailto:Jeffrey.Rummel@arentfox.com]
Sent: Thursday, March 12, 2015 9:38 AM
To: Carvajal, Lorena (FAA)
Subject: BAE Systems - Request for FAA Coordination - Pending Renewal of Experimental Station WF2XAM - File No. 0072-EX-RR-2011

Ms. Carvajal:

Good morning!

This email is to seek your assistance in coordinating a portion of an experimental grant which is undergoing renewal for my client BAE Systems.

The license being renewed (under Pending File No. 0046-EX-RR-2015) is Experimental Station WF2XAM. Attached is an excerpt from the grant which includes the authorized frequencies between 118-137 MHz, which of course are under your jurisdiction.

During processing of the renewal application, the FCC issued the attached inquiry which states as follows:

“FAA objected to approve the NG 92643 with the frequency band 120.1-129.2 MHz Please contact with FAA HQ Lorena Carvajal 202-267-7051 for pre-coordination.”

Accordingly, your assistance is kindly requested to help obtain FAA coordination approval for this 120.1-129.2 MHz band segment which is currently authorized on the WF2XAM license.

To assist in your coordination of the 120.1-129.2 MHz band segment, the following information is provided to you:

- The 120.1-129.2 MHz band segment is part of a larger experiment being conducted by BAE Systems to determine the requirement for calibration of the arrays installed on the candidate platform, generate calibration parameters if required and verify the accuracy of the calibration parameters.
- The transmissions on the 120.1-129.2 MHz band segment are solely ground-based, fixed transmissions, initiated from BAE Systems's antenna range at the company's campus location at Litchfield, NH (42-48-22 N.Lat; 071-25-33 W.Long. (NAD83)).
- The 120.1-129.2 MHz band segment has been authorized on the WF2XAM license by the FCC since 2011 and no issues related to interference have arisen in this period.
- In 2011, when the license was previously being renewed, BAE Systems advised the FCC that it would be willing to abide by numerous restrictions on various bands to ensure that interference issues would be mitigated. See email below to the FCC dated 4/12/2011. As you can see in that email, with respect to the frequencies between 117.975-137 MHz on the WF2XAM license, BAE Systems stated that it is willing to restrict operations as follows:

For 117.975-137 MHz (NG T090275):

ERP Not to exceed .007W 0.1W with exception,
No Vertical transmissions +/- 50Khz of the following
121.5
No Vertical transmissions +/- 25Khz of the following
119.55 134.75
121.30 135.90
121.90 127.35
124.90

NON designator only

In light of the above factors, it would be greatly appreciated if you could review the proposed renewal of the 120.1-129.2 MHz band segment on the WF2XAM license, and provide your confirmation of FAA coordination, with the accompanying NG T number. If your coordination is conditioned upon compliance with the above agreed-upon restrictions, please state so and BAE Systems will ensure that operations match those restrictions.

If, however, you have any additional questions or items for BAE Systems to consider before you can provide your final coordination, please let me know and as always we will work with you to try to find a satisfactory solution.

Best regards,

Jeff Rummel
Attorney for BAE Systems