

F C C FREQUENCY COORDINATION NOTICE

Experimental Licensing Branch
Office of Engineering and Technology

The following application is attached for your review:

Applicant: BAE Systems
File Number: 0584-EX-ST-2004

Start Date: 10/4/2004 End Date: 3/9/2005

Why STA Is Necessary:

Information from the power tests shows hi VSWR in the system.

Purpose of Operation:

Testing of VSWR to correct problems from thermal analysis testing performed under previous experimental license. Additional testing is now needed in order to test first two prototypes. The additional testing at this mid level power is now finished. This testing has shown that the VSWR problems have been corrected. The need to test at full power will finish this task.

Contact: Alfredo C. Raccio
Phone: 603-885-6813
Email: alfred.c.raccio@baesystems.com

Nature of Service: EXPERIMENTAL
Class of Station: XR FX
Call Sign: WC2XUQ

Station Locations

Merrimack, HILLSBOROUGH, NH- NL 42-48-59; WL 71-29-16

Frequency Frequency Tolerance(+/-)	Station Class	Emission Designator	Authorized Power
5.5-7 GHz	FX	N0N	100kW (ERP)
13.5-15 GHz	FX	N0N	100kW (ERP)

From: Jeffrey Kam
Sent: Monday, October 18, 2004 5:35 PM
To: John Kennedy
Subject: RE: Coordination for 0584-EX-ST-2004
NTIA has no objections to the FCC issuing a STA to BAE Systems at Merrimack, Hillsborough, NH from October 18, 2004 thru March 18, 2005 provided that the conditions under the previous authorization are complied with.

Jeffrey Kam

FCC

*** Non-Public: For Internal Use Only ***

-----Original Message-----

From: John Kennedy
Sent: Monday, October 04, 2004 11:51 AM
To: Jeffrey Kam
Subject: Coordination for 0584-EX-ST-2004

Mr. Kam,

Please see attachment for coordination. Please note the increase in power from previous grants from 48 watts in 5.5-7 GHz and 313 watts in 13.5-15 GHz to 100 kW in both bands for a full power test. Thank you.

<< File: 0584ST04FASWTBIBCSB.txt >>
John W. Kennedy
OET/EMCD/ELB
418-2484

*** Non-Public: For Internal Use Only ***

From: Gerardo Mejia
Sent: Wednesday, October 20, 2004 12:13 PM
To: John Kennedy
Cc: Thomas Stanley; Stephen Buenzow; Al Knerr; Jay Jackson; Tracy Simmons; Michael Lance; Shahnaz Ghavami; Gerardo Mejia
Subject: RE: Coordination for 0584-EX-ST-2004
BD has no objections based on the additional information provided.

Thanks *** Gm *** Non-Public: For Internal Use Only ***

-----Original Message-----

From: John Kennedy
Sent: Monday, October 04, 2004 11:50 AM
To: Shahnaz Ghavami; Michael Lance; Tracy Simmons; Al Knerr; Gerardo Mejia; Jay Jackson
Cc: Thomas Stanley; Stephen Buenzow
Subject: Coordination for 0584-EX-ST-2004

Mrs. Ghavami and Gentlemen,

Please see attachment for coordination. Please note the increase in power from previous grants from 48 watts in 5.5-7 GHz and 313 watts in 13.5-15 GHz to 100 kW in both bands for a full power test. Please respond by COB October 11, 2004. Thank you.

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John W. Kennedy
OET/EMCD/ELB
418-2484

*** Non-Public: For Internal Use Only ***

From: Gerardo Mejia
Sent: Friday, October 08, 2004 4:35 PM
To: John Kennedy
Cc: Gerardo Mejia
Subject: RE: Coordination for 0584-EX-ST-2004
John,

I have a number of concerns about this one:

High power, affects FSS and part 101 users because of such wide band. Too long in time (5 months is not temporary for me). Could they shorten the test time? Could they do it in a less busy area? We would need more info and time to analyze it further.

Thanks.

Gm *** Non-Public: For Internal Use Only ***

-----Original Message-----

From: John Kennedy
Sent: Monday, October 04, 2004 11:50 AM
To: Shahnaz Ghavami; Michael Lance; Tracy Simmons; Al Knerr; Gerardo Mejia; Jay Jackson
Cc: Thomas Stanley; Stephen Buenzow
Subject: Coordination for 0584-EX-ST-2004

Mrs. Ghavami and Gentlemen,

Please see attachment for coordination. Please note the increase in power from previous grants from 48 watts in 5.5-7 GHz and 313 watts in 13.5-15 GHz to 100 kW in both bands for a full power test. Please respond by COB October 11, 2004. Thank you.

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