From: wayne.morris@L-3com.com
To: Watassek, Kevin;
cc: dataentry@aftrcc.org; dhankins@txtav.com; treasurer@aftrcc.org;
Subject: AFTRCC ICN 1381-15/5602 (Associated Air Center/EMC Testing-Dallas, TX)
Date: Thursday, 25 June 2015 6:21:56 AM

This email is your AFTRCC coordination.

This coordination includes this header information, DOD Area Frequency Coordinator comments and AFTRCC comments. These messages must not be separated.

This coordination is advisory only and not binding on the FCC. Applicants are advised that this coordination does not constitute a judgment that the frequency(ies) is best suited for the applicant's purpose nor that the frequency(ies) is exclusive to the applicant. Flight Test frequencies are shared and may require scheduling with other users.

In return for AFTRCC's processing of the applicant's coordination request, the applicant agrees to release and hold harmless AFTRCC, its officers, directors, agents, members, and representatives from any claims, losses or expenses that may arise from the use of the frequency.

This coordination is not an authorization to transmit. A copy of this coordination must accompany application to the FCC.

Signed:
Wayne Morris
AFTRCC Telemetry Coordinator
903-457-6949

From: Sanchez, Luis G (Guillo) CIV USARMY (US) [mailto:luis.g.sanchez10.civ@mail.mil]
Sent: Wednesday, June 24, 2015 2:18 PM
To: Morris, Wayne L @ AS - MID
Cc: Sanchez, Edwin (Ed) CIV USARMY HQDA CIO G-6 (US)
Subject: RE: AFTRCC ICN 1381-15/5602 (Associated Air Center/EMC Testing-Dallas, TX)

AFMO-US&P CONCUR WITH AFTRCC ICN 1381-15/5602 (Associated Air Center/EMC Testing-Dallas, TX). COORDINATION NUMBER AFMO150537//GUILLO-LUIS.G.SANCHEZ10.CIV@MAIL.MIL-210-221-0454//

Note:

C024 Comments: DoD database check shows no conflicting DoD assignments within 50 mile radius.

V/R
Guillo
Office:
COM: 210-221-0454
DSN: 312-471-0454

From: wayne.morris@L-3com.com [mailto:wayne.morris@L-3com.com]
Sent: Wednesday, June 24, 2015 9:28 AM
To: Sanchez, Luis G (Guillo) CIV USARMY (US)
Cc: Sanchez, Edwin (Ed) CIV USARMY HQDA CIO G-6 (US)
Subject: AFTRCC ICN 1381-15/5602 (Associated Air Center/EMC Testing-Dallas, TX)

AFTRCC concurs with and requests DoD AFMO-US&P concurrence/coordination on the following STA request.

Applicant:
Associated Air Center
8201 Lemmon Ave.
Dallas, TX 75209
POC: Kevin Watassek (972-559-7073)

Frequencies: 1459.0 MHz / 1489.0 MHz

Station Class: MO/XT

Emission: 1K60N0N

Power: 10.4 watts (ERP)

Location: Dallas, TX (Love Field) 32-51-08N 96-50-45W

MIRAD: 0.02 KM

Dates: 2015-06-24 thru 2015-12-20

AFTRCC comments: non interference basis to Flight Test telemetry.
Requester has stated total number of testing days estimated at 10
during the period. EMC testing to ensure compatibility of GSM system
with other onboard systems.
AFTRCC database check confirms no conflicting assignments within
10 miles during requested period. Due to location of test facility (Love Field)
and structure density at the location and surrounding area, it is calculated that
this should not interfere with other licensed operations in the Dallas/Ft Worth
metro area. AFTRCC does not request prior notification of testing for this purpose.

Please reply via return email as to concurrence, non concurrence, scheduling,
or other comments.

Signed:
Wayne Morris
AFTRCC Telemetry Coordinator
903-457-6949

AEROSPACE & FLIGHT TEST RADIO COORDINATING COUNCIL
616 E 34th Street North, Wichita, KS 67219
Telephone: (316) 821-9516 Fax: (316) 838-0015

EXPERIMENTAL LICENSE (or) SPECIAL TEMPORARY AUTHORITY (STA)
COORDINATION TERMS AND CONDITIONS

All requests for frequency coordination by AFTRCC are subject to the terms and conditions detailed below. A ***MEMORANDUM*** describing the proposed operational requirements, including detailed signal transmission characteristics, ***MUST*** accompany a ***completed*** and ***signed*** copy of this form. *A copy of the FCC license application should be included whenever possible but will not serve as a replacement for the required memorandum.*

NOTE: PROPRIETARY DATA/CLASSIFIED INFORMATION SHOULD NOT BE SUBMITTED.

If this form has been received by the applicant in response to a coordination request, this form must be completed, signed and returned per the attached instructions ***before AFTRCC can continue processing the request***.

Date of Request: 2015 June 16 Identity Control Number (ICN): ____
(To be completed by AFTRCC)

Name of Applicant: Associated Air Center Email Kevin.Watassek@associated.aero

Phone number: 972-559-7073 Address: 8201 Lemmon Ave, Dallas, TX 75209

Please Reference the Requested City(ies), State(s), and Date(s) of Operation:

Dallas Love Field, Dallas, TX, Start 2015 June 25, End 2015 December 20

AFTRCC provides recommendations to the Federal Communications Commission (FCC) for non-government use of flight test voice and telemetry frequencies. AFTRCC's role is strictly advisory; in all cases the FCC makes the decision whether to issue a license.

Applicants are advised that no representations or warranties, express or implied, are made as to the interference-free nature of any given frequency or frequencies which AFTRCC coordinates, or as to whether any given frequency recommendation is best suited for the Applicant's purposes.

Applicants should also be aware that frequencies coordinated by AFTRCC are shared with other users; no one user is entitled to exclusive use of a frequency in any given area. Multiple users may be, and often are, licensed or have government assignments for use of the same frequencies. Hence, notwithstanding FCC issuance of a license to the Applicant, transmission or any given frequency may be subject to day-to-day, hour-by-hour scheduling with Government Area Frequency Coordinators (AFCs) or other agencies.

In return for AFTRCC's processing of the Applicant's request, the Applicant agrees to release and hold harmless AFTRCC, its officers, directors, agents, representatives, and member companies (and their respective officers, directors, employees, owners, and agents) from and against any and all claims, losses, liabilities, damages or expenses which may arise now or in the future as a result of the Applicant's acceptance of AFTRCC's recommendation, or its use of the recommended frequency(ies).

Information supplied in support of a coordination request represents part of the FCC application process. Accordingly, this information is considered public record material.

By the signature of its duly authorized official below, the applicant accepts and acknowledges these limitations and conditions.

Signature: Kevin R. Watassek

Print Name: Kevin Watassek

Title: Principal Project Engineer

Date: 2015 June 16

To: Kevin Watassek
E-Mail: Kevin.Watassek@associated.aero
From: Anthony Serafini
Date: June 05, 2015

Subject: Request for Info - File # 0579-EX-ST-2015

Message:

Please coordinate the 1400 MHz frequencies with AFTRCC and submit a copy of their consent.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of June 05, 2015 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at https://apps.fcc.gov/oetcf/els/index.cfm by clicking on the "Reply to Correspondence" hyperlink.

Responses to this correspondence must contain the Reference number : 28322

2015 June 17

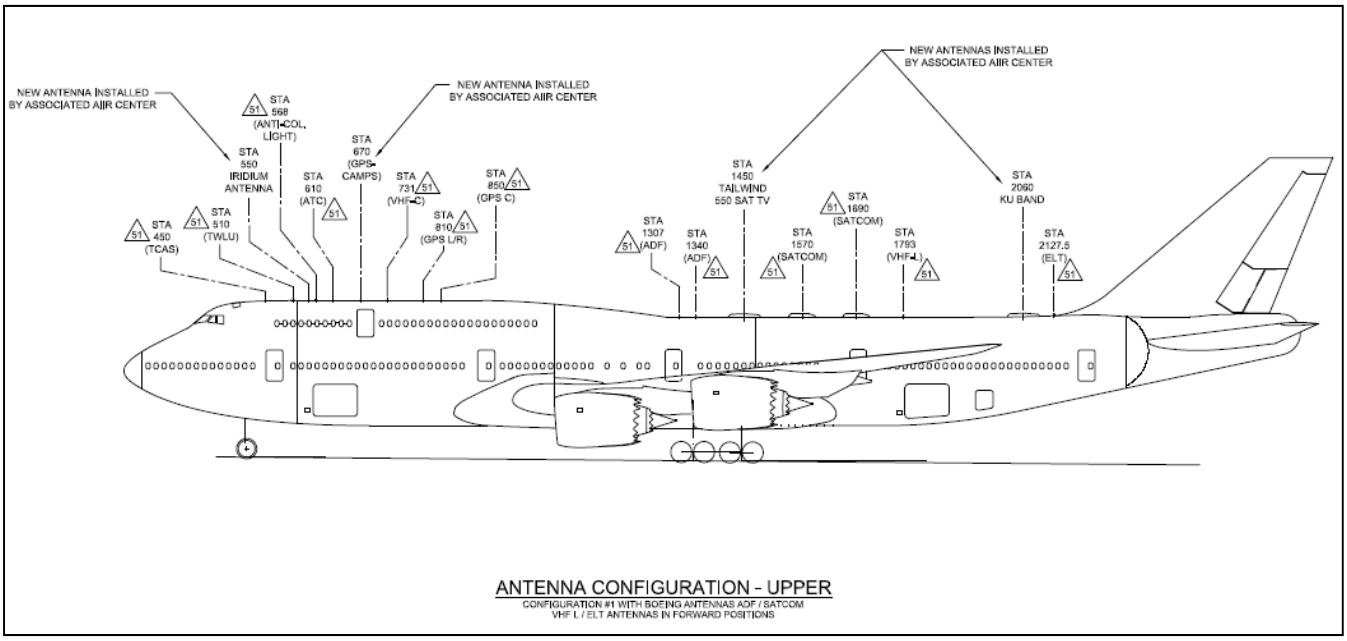
Aerospace & Flight Test Radio Coordinating Council
616 E 34th Street North
Wichita, KS 67219

Attention: accountant@aftrcc.org

Subject: AFTRCC Coordination Letter of Recommendation

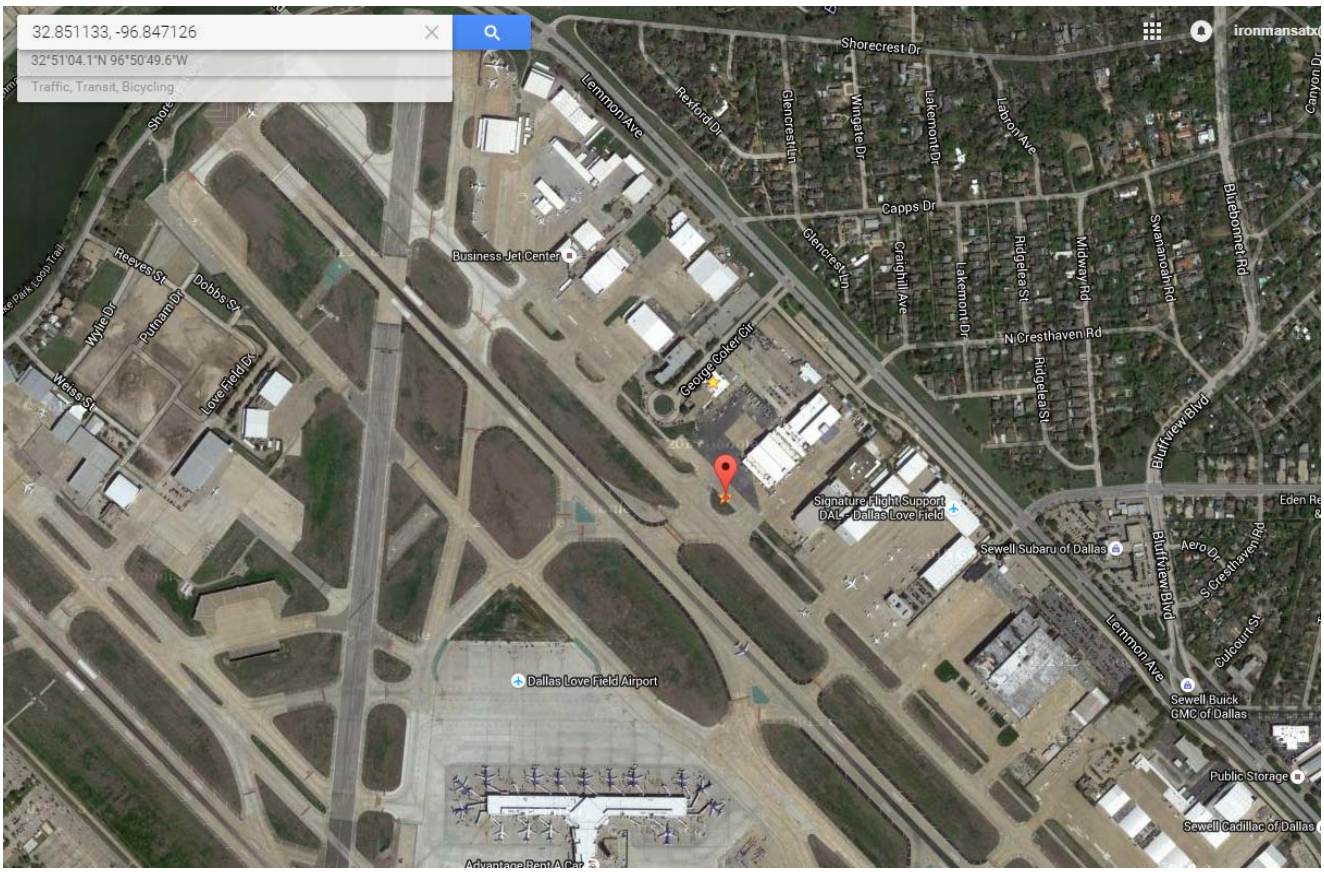
Dear Sir or Madame,

Associated Air Center is in the process of completing several installations on a Boeing 747-8 aircraft with registry 9K-GAA. These installations include the installation of one additional L-Band Satcom, one Iridium Satcom, one Ku Band Satcom, and one cabin only OnAir GSM mobile system which goes off board through the additional L-Band Satcom listed previously. The OnAir GSM system is completely confined within the aircraft fuselage. We have submitted the attached application to the FCC and they have requested that we coordinate the 1400 MHz frequencies with the AFTRCC. Please see the attached FCC application and the spreadsheet for specific frequency information and characteristics. We also wish to flight test the aircraft using Dallas Love field as the main operating base. Please provide an AFTRCC coordination letter of recommendation as we have been requested by the FCC for the subject frequencies so that our application can continue processing at the FCC. The 1400 MHz frequencies of interest are 1459.00 MHz and 1489.00 MHz. The detailed signal transmission characteristics are listed in the attached spreadsheet.



The four (4) additional antenna locations are shown in the picture above. All other antennas are existing on the aircraft as delivered from the manufacturer.

The test location at Dallas Love Field is shown in the picture below and is referenced in Google Maps as 32°51'04.1"N 96°50'49.6"W or decimal equivalent of 32.851133, -96.847126.



We appreciate your support with this effort. Please provide an AFTRCC coordination letter of recommendation for the subject frequencies so that our application can continue processing at the FCC. Please contact me directly if additional information is required.

Very Best Regards,

Kevin R. Watassek

Kevin Watassek
Principal Project Engineer
469-275-8214

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPECIAL TEMPORARY AUTHORITY

Applicant Name

Name of Applicant: ASSOCIATED AIR CENTER

Address

Attention: Kevin Watassek
Street Address: 8201 Lemmon Ave
P.O. Box:
City: Dallas
State: TX
Zip Code: 75209
Country:
E-Mail Address: Kevin.Watassek@associated.aero

Best Contact

Give the following information of person who can best handle inquiries pertaining to this application:

Last Name: Watassek
First Name: Kevin
Title: Principal Project Engineer
Phone Number: 210-860-4687

Explanation

Please explain in the area below why an STA is necessary:
Ground and flight testing of an aircraft with a GSM system installed. Number of total test days are expected to be less than 10.

Purpose of Operation

Please explain the purpose of operation: To verify safe operation of the new system and that it does not interfere with other systems.

Information

Callsign:
Class of Station: FX MO
Nature of Service: Experimental

Requested Period of Operation

Operation Start Date: 06/25/2015
Operation End Date: 12/20/2015

Manufacturer

List below transmitting equipment to be installed (if experimental, so state) if additional rows are required, please submit equipment list as an exhibit:

Manufacturer	Model Number	No. Of Units	Experimental
OnAir SITA	01421-IST-A-SRB	1	No

Certification

Neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. The applicant hereby waives any claim to the use of any particular frequency or electromagnetic spectrum as against the regulatory power of the United States because of the prvious use of the same, whether by license or otherwise, and requests authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.) The applicant acknowledges that all statements made in this application and attached exhibits are considered material

representations, and that all the exhibits part hereof and are incorporated herein as if set out in full in this application; undersigned certifies that all statements in this application are true, complete and correct to the best of his/her knowledge and belief and are made in good faith. Applicant certifies that construction of the station would NOT be an action which is likely to have a significant environmental effect. See the Commission's Rules, 47 CFR1.1301-1.1319.

Signature of Applicant (Authorized person filing form): Kevin Watassek

Title of Applicant (if any): Principal Project Engineer

Date: 2015-05-30 00:00:00.0

Station Location

City	State	Latitude	Longitude	Mobile	Radius of Operation
Dallas	Texas	North 32 51 8	West 96 50 45		0.02

Datum: NAD 83

Is a directional antenna (other than radar) used? No

Exhibit submitted: No

(a) Width of beam in degrees at the half-power point:

(b) Orientation in horizontal plane:

(c) Orientation in vertical plane:

Will the antenna extend more than 6 meters above the ground, or if mounted on an existing building, will it extend more than 6 meters above the building, or will the proposed antenna be mounted on an existing structure other than a building? No

(a) Overall height above ground to tip of antenna in meters:

(b) Elevation of ground at antenna site above mean sea level in meters:

(c) Distance to nearest aircraft landing area in kilometers:

(d) List any natural formations of existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft:

Action	Frequency	Station Class	Output Power/ERP	Mean Peak	Frequency Tolerance (+/-)	Emission Designator	Modulating Signal
New	415.00000000-415.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
New	455.00000000-455.00000000 MHz	FX	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
New	482.00000000-482.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
New	782.00000000-782.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
New	793.00000000-793.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	815.50000000-815.50000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	832.00000000-832.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	889.90000000-889.90000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
		Station	**Output**	**Mean**	**Frequency**	**Emission**	**Modulating**

Action	Frequency	Class	Power/ERP	Peak	Tolerance (+/-)	Designator	Signal
New	902.50000000-902.50000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	915.20000000-915.20000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	1459.00000000-1459.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	1489.00000000-1489.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	1747.50000000-1747.50000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	1781.40000000-1781.40000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	1875.00000000-1875.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	1910.00000000-1910.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
New	1950.00000000-1950.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	2017.50000000-2017.50000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	2400.00000000-2400.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	2447.50000000-2447.50000000 MHz	FX	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	2535.00000000-2535.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	2595.00000000-2595.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60N0N	CW
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**
Modified	5300.00000000-5300.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse
Action	**Frequency**	**Station Class**	**Output Power/ERP**	**Mean Peak**	**Frequency Tolerance (+/-)**	**Emission Designator**	**Modulating Signal**

Modified	5775.00000000- 5775.00000000 MHz	MO	12.600000 W 10.400000 W	P	1.00000000 %	1K60P0N	Pulse

Frequency Number	Frequency (MHz)	Radius of Operation (meters)	Lower Frequency (MHZ)	Upper Frequency (MHZ)	Frequency Units	Power	Power Units	ERP	ERP Units	Mean / Peak	Frequency Tolerance	Station Class (Fixed / Mobile)	Emission Modulation of the Main Carrier - See Attachment FCC Title 47 Section 2.201	Emission Nature of Signal Modulating the Main Carrier - See Attachment FCC Title 47 Section 2.2012	Emission Type of Information to be Transmitted - See Attachment FCC Title 47 Section 2.2013	Modulating Signal	Necessary Bandwidth	Modulating Signal Units
f11	1459.00	20.00	1459.00	1459.00	MHz	12.6	Watts	10.4	Watts	P	1%	FX	N	O	N	CW	1.6	kHz
f12	1489.00	20.00	1489.00	1489.00	MHz	12.6	Watts	10.4	Watts	P	1%	FX	N	O	N	CW	1.6	kHz