

John Kennedy

From: Philip.Harris@L-3COM.COM
Sent: Tuesday, October 23, 2007 2:52 PM
To: Harris, Philip @ GSI; John Kennedy
Subject: File Number 0471-EX-PL-2007 - replacement tables.
Attachments: Freq table 2_Form 442 File 0471-EX-PL-2007.pdf; Freq table 1_Form 442 File 0471-EX-PL-2007.pdf

John,

Thanks again for the telephone discussion this afternoon.

Please insert these two attached tables into the application, deleting the original tables supplied. There was a typographical error on a single line incorrectly referring to 465.6215 MHz. This data has been corrected to read 465.6125MHz. This was correctly keyed into the database, so only the attached reference tables were affected.

Best regards,

Phil Harris.

From: Harris, Philip @ GSI
Sent: Monday, October 22, 2007 11:18 AM
To: 'john.kennedy@fcc.gov'
Subject: File Number 0471-EX-PL-2007

Mr. John Kennedy

Expedite Request: FCC Form 442 - File Number 0471-EX-PL-2007, Dated: 09/19/2007

John,

Thank you for taking the time to speak with me on the telephone this morning.

The Town of Orangetown, NY has agreed to apply for an experimental, FCC Part-5, authorization for use of multiband/SDR technology, for the purpose of technology demonstration, in a FCC Part-90 public safety environment. This correspondence requests an expedited application review process in keeping with the urgency of the public safety mission associated with this activity.

The applicant is currently an FCC Part-90 licensee, and all agencies that have agreed to cooperate in this effort, via cooperative agreements (MOU's), are also currently Part-90 licensees. No new frequencies are being requested. Frequency sharing agreements, for the purpose of mutual aid, are authorized cooperatively by way of inter-agency written cooperative agreements or memorandum of understanding (MOU) as outlined in FCC rules: FCC CFR47 §90.421 – Operation of mobile station units not under the control of the licensee. There are no federal frequencies requested in this application.

Background:

The Town of Orangetown, NY (the applicant) has entered into a formal agreement with NIJ CommTech program, via the National Law Enforcement & Corrections Technology Center – Northeast (NLECTC-NE), to demonstrate, exercise, and derive lessons learned from the application of multiband/software defined radio (SDR), technology to address multi-band voice interoperability in a public safety environment. This project has been facilitated to demonstrate and test multiband (SDR) end user radio equipment not currently available to FCC Part 90 users (currently not Part-90 type accepted). Specifically, the purpose of this project is to demonstrate technology as

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outlined in

- CFR47 §5.3(d); Technical demonstrations of equipment or techniques and
- CFR47 §5.3(k); Types of experiments that are not specifically covered under paragraphs (a) through (j).

Software Defined Radio (SDR) and multiband radio technologies are quickly maturing, and are complimentary in nature. Many people in the public safety community believe that this type of technology will ultimately provide a key piece of the overall technological solution space, easing many of the existing communication issues faced by the Public Safety community on a daily basis. There are many technological approaches to solving the many technical issues associated with public safety communications. Many of these approaches will rely upon massive infrastructure upgrades, construction of large IT overlays (in the case of VoIP overlays), and even the use of commercial services, or commercial technologies (in the case of the forthcoming 700MHz broadband network). It is very unlikely, and perhaps impractical, to expect any of these technology profiles to completely solve the numerous issues facing public safety communications. Unfortunately, in many cases, these solutions do not fully address the need for a flexible "end-user" technology that has the potential to interface with many legacy land-mobile radio systems.

Multiband, multi-protocol, end user equipment presents the unique opportunity to interface with a large percentage of, but not all, legacy LMR systems. It is well understood that there are many waveform issues as well as commercial IPR issues that will prevent practical implementation of a 100% interoperable device for all existing land mobile radio technology. But, this technology will address many communications issues that impede effective response to daily emergency response as well as many homeland security issues associated with law enforcement and related efforts. The NIJ Communications Technology program (NIJ CommTech), via this pilot effort, seeks to examine issues associated with the deployment of this multiband technology in a public safety environment, to facilitate an understanding of both the benefits as well as unforeseen issues associated with this technology. Issues that can be identified and collected as lessons learned for the overall benefit of the public safety community.

As noted in the application overview, for the purposes of this application, all of the requested frequencies associated with this application are already coordinated and authorized by the FCC. This experiment will simply exercise technology not currently available to current Part-90 Public Safety licensees.

The research project associated with this application is sponsored through the Department of Justice (DOJ), specifically, via a cooperative agreement sponsored by the National Institute of Justice (NIJ), via the National Law Enforcement and Corrections Technology Center, Northeast (NLECTC-NE). The NIJ (via NLECTC-NE and the NIJ CommTech program) has sponsored support for this activity through the funding of technical support, manpower, and materials to demonstrate the potential of this technology in regard to public safety interoperability. As a result, NLECTC-NE and the Town of Orangetown, NY have executed a formal cooperative agreement/ Memorandum of Understanding (MOU) to participate this pilot, or demonstration program.

NLECTC-NE will document the results of this program in the form of an operational assessment for the benefit of the public safety community and the CommTech Technical Working Group (TWG). The TWG is comprised of a group of sworn public safety practitioners that define key topics/areas of interest for the NIJ Communication Technology Research and Development program. For reference and additional information in regard to NIJ CommTech and NLECTC-NE programs:

- NIJ CommTech Program
<http://www.ojp.usdoj.gov/nij/topics/technology/communication/welcome.htm>
- National Law Enforcement & Corrections Technology Center (NLECTC-NE)
<http://www.justnet.org/nlectcne/>

Sincerely,

Philip Harris

NIJ CommTech Program

<http://www.ojp.usdoj.gov/nij/topics/commtech/>

National Law Enforcement & Corrections Technology Center (NLECTC-NE)

<http://www.justnet.org/nlectcne/>

Senior Communications Engineer

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315 525 3368 Cell
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SORTED BY Licensed Part 90 MOU Number
FCC Form 442 File # 0471-EX-PL-2007

Current FCC Part-90 Authorizations - The Town of Orangetown, NY.				
Frequency	MOU #	License	Licensee	Description
45.8400	N/A	KAW384	Orangetown, Town of	Orangetown Highway
46.5600	N/A	WNWK839	Orangetown, Town of	Orangetown Highway
155.6550	N/A	KNAJ312	Orangetown, Town of	Orangetown Police
158.7450	N/A	KNAJ312	Orangetown, Town of	Orangetown Police
158.9250	N/A	KNAJ312	Orangetown, Town of	Orangetown Police
471.3000	N/A	WPLT653	Orangetown, Town of	Orangetown Police
471.3250	N/A	WPLT365	Orangetown, Town of	Orangetown Police
471.3750	N/A	WPLT365	Orangetown, Town of	Orangetown Police
474.3000	N/A	WPLT365	Orangetown, Town of	Orangetown Police
474.3250	N/A	WPLT365	Orangetown, Town of	Orangetown Police
474.3750	N/A	WPLT365	Orangetown, Town of	Orangetown Police

FCC Authorizations - Associated with inter-agency Memorandum of Understanding (MOU) for frequency sharing				
Frequency	MOU #	License	Licensee	Description
35.8000	1	WPWF640	Village of Nyack Department of Public Works	Nyack DPW
153.8300	1	WPIE992	Alpine, Borough of	Alpine Fire Department
153.8300	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.1000	1	WNVF604	Alpine, Borough of	Alpine DPW
154.1600	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.1600	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.2650	1	KBT809	Alpine, Borough of	Alpine Fire Department
154.2650	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.2650	1	WPIE992	Alpine, Borough of	Alpine Fire Department
155.1300	1	KBS936	Alpine, Borough of	Alpine Police Department
158.8800	1	WPIE992	Alpine, Borough of	Alpine Fire Department
151.0550	2	WPGA466	Closter, Borough of	Closter Police Department
151.1150	2	WPNX660	Closter, Borough of	Closter Fire Department
151.1300	2	WPNX660	Closter, Borough of	Closter Police Department
154.1000	2	WZU257	Closter, Borough of	Closter Police Department
154.1150	2	WZU257	Closter, Borough of	Closter Police Department
154.6500	2	WPKF419	Closter, Borough of	Closter Police Department
154.6800	2	KEB330	Closter, Borough of	Closter Police Department
155.1300	2	KEF304	Closter, Borough of	Closter Police Department
155.2650	2	WYF945	Closter, Borough of	Closter Police Department
155.4300	2	KQS583	Closter, Borough of	Closter Police Department
158.8800	2	KBT809	Borough of Closter	Closter Fire Department
158.8800	2	WPHI911	Closter, Borough of	Closter Police Department
159.1350	2	KNNR771	Closter, Borough of	Closter Police Department
155.5950	3	WNKS895	Town of Haverstraw	Haverstraw Police
159.0900	3	WNKS895	Town of Haverstraw	Haverstraw Police
154.6800	4	WPWK620	Montvale, borough of	Montvale Police Department
154.6950	6	WQCE651	New York, State of	New York State Police
155.0700	6	WNHB842	New York, State of	Rockland Psych Center
155.3700	6	KQS583	New York, State of	New York State Police
155.4750	6	KQS583	New York, State of	New York State Police
155.5350	6	KED892	New York, State of	New York State Police
155.5350	6	KQS583	New York, State of	New York State Police
155.5650	6	KED892	New York, State of	New York State Police
155.5650	6	KQS583	New York, State of	New York State Police
46.0800	9	KFN569	Orangeburg Fire District	Rockland Fire 1
46.1800	9	KFN569	Orangeburg Fire District	Rockland Fire 2
460.0625	9	KFN569	Orangeburg Fire District	Rockland Fire
460.5875	9	KFN569	Orangeburg Fire District	Rockland Fire
460.6125	9	KFN569	Orangeburg Fire District	Rockland Fire
460.6375	9	KFN569	Orangeburg Fire District	Rockland Fire
465.0625	9	KFN569	Orangeburg Fire District	Rockland Fire
465.6125	9	KFN569	Orangeburg Fire District	Rockland Fire
465.6375	9	KFN569	Orangeburg Fire District	Rockland Fire
154.6800	12	KEF304	River Vale, Township of	Rivervale Police Department
155.1300	12	KEF304	River Vale, Township of	Rivervale Police Department
155.1900	12	KEF304	River Vale, Township of	Rivervale Police Department

155.4750	12	KEF304	River Vale, Township of	Rivervale Police Department
37.1800	13	WNLF956	Village of Spring Valley	Spring Valley Police Department
37.4000	13	WNLF956	Village of Spring Valley	Spring Valley Police Department
155.9700	13	WNLF956	Village of Spring Valley	Spring Valley Police Department
460.0500	13	WPJM966	Village of Spring Valley	Spring Valley Police Department
465.0500	13	WPJM966	Village of Spring Valley	Spring Valley Police Department
37.1800	14	KLI255	Stony Point, Town of	Stony Point Police Department
37.3200	14	KLI255	Stony Point, Town of	Stony Point Police Department
155.1600	14	WNXN527	Stony Point Volunteer Ambulance Corps Inc	Stony Point Police Department
155.1750	14	WNXN527	Stony Point Volunteer Ambulance Corps Inc	Stony Point Police Department
37.0800	15	KLO484	Upper Saddle River, Borough of	Upper Saddle River Police Department
453.5500	15	KLO484	Upper Saddle River, Borough of	Upper Saddle River Police Department
458.5500	15	KLO484	Upper Saddle River, Borough of	Upper Saddle River Police Department
37.9200	16	WPGM818	Village of South Nyack Department of Public Works	South Nyack DPW
462.3500	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
462.4000	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
464.7750	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
464.8250	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
467.3500	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
467.4000	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
469.7750	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
469.8250	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical

SORTED BY Licensed Part 90 Frequency
FCC Form 442 File # 0471-EX-PL-2007

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Frequency	MOU #	License	Licensee	Description
45.8400	N/A	KAW384	Orangetown, Town of	Orangetown Highway
46.5600	N/A	WNWK839	Orangetown, Town of	Orangetown Highway
155.6550	N/A	KNAJ312	Orangetown, Town of	Orangetown Police
158.7450	N/A	KNAJ312	Orangetown, Town of	Orangetown Police
158.9250	N/A	KNAJ312	Orangetown, Town of	Orangetown Police
471.3000	N/A	WPLT365	Orangetown, Town of	Orangetown Police
471.3250	N/A	WPLT365	Orangetown, Town of	Orangetown Police
471.3750	N/A	WPLT365	Orangetown, Town of	Orangetown Police
474.3000	N/A	WPLT365	Orangetown, Town of	Orangetown Police
474.3250	N/A	WPLT365	Orangetown, Town of	Orangetown Police
474.3750	N/A	WPLT365	Orangetown, Town of	Orangetown Police

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Frequency	MOU #	License	Licensee	Description
35.8000	1	WPWF640	Village of Nyack Department of Public Works	Nyack DPW
37.0800	15	KLO484	Upper Saddle River, Borough of	Upper Saddle River Police Department
37.1800	14	KLI255	Stony Point, Town of	Stony Point Police Department
37.1800	13	WNLF956	Village of Spring Valley	Spring Valley Police Department
37.3200	14	KLI255	Stony Point, Town of	Stony Point Police Department
37.4000	13	WNLF956	Village of Spring Valley	Spring Valley Police Department
37.9200	16	WPGM818	Village of South Nyack Department of Public Works	South Nyack DPW
46.0800	9	KFN569	Orangeburg Fire District	Rockland Fire 1
46.1800	9	KFN569	Orangeburg Fire District	Rockland Fire 2
151.0550	2	WPGA466	Closter, Borough of	Closter Police Department
151.1150	2	WPNX660	Closter, Borough of	Closter Fire Department
151.1300	2	WPXN660	Closter, Borough of	Closter Police Department
153.8300	1	WPIE992	Alpine, Borough of	Alpine Fire Department
153.8300	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.1000	1	WNVF604	Alpine, Borough of	Alpine DPW
154.1000	2	WZU257	Closter, Borough of	Closter Police Department
154.1150	2	WZU257	Closter, Borough of	Closter Police Department
154.1600	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.1600	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.2650	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.2650	1	WPIE992	Alpine, Borough of	Alpine Fire Department
154.2650	1	KBT809	Alpine, Borough of	Alpine Fire Department
154.6500	2	WPKF419	Closter, Borough of	Closter Police Department
154.6800	2	KEB330	Closter, Borough of	Closter Police Department
154.6800	4	WPWK620	Montvale, borough of	Montvale Police Department
154.6800	12	KEF304	River Vale, Township of	Rivervale Police Department
154.6950	6	WQCE651	New York, State of	New York State Police
155.0700	6	WNHB842	New York, State of	Rockland Psych Center
155.1300	2	KEF304	Closter, Borough of	Closter Police Department
155.1300	12	KEF304	River Vale, Township of	Rivervale Police Department
155.1300	1	KBS936	Alpine, Borough of	Alpine Police Department
155.1600	14	WNXN527	Stony Point Volunteer Ambulance Corps Inc	Stony Point Police Department
155.1750	14	WNXN527	Stony Point Volunteer Ambulance Corps Inc	Stony Point Police Department
155.1900	12	KEF304	River Vale, Township of	Rivervale Police Department
155.2650	2	WYF945	Closter, Borough of	Closter Police Department
155.3700	6	KQS583	New York, State of	New York State Police
155.4300	2	KQS583	Closter, Borough of	Closter Police Department
155.4750	6	KQS583	New York, State of	New York State Police
155.4750	12	KEF304	River Vale, Township of	Rivervale Police Department
155.5350	6	KED892	New York, State of	New York State Police
155.5350	6	KQS583	New York, State of	New York State Police
155.5650	6	KED892	New York, State of	New York State Police
155.5650	6	KQS583	New York, State of	New York State Police
155.5950	3	WNKS895	Town of Haverstraw	Haverstraw Police
155.9700	13	WNLF956	Village of Spring Valley	Spring Valley Police Department
158.8800	2	KBT809	Borough of Closter	Closter Fire Department
158.8800	1	WPIE992	Alpine, Borough of	Alpine Fire Department

158.8800	2	WPHI911	Closter, Borough of	Closter Police Department
159.0900	3	WNKS895	Town of Haverstraw	Haverstraw Police
159.1350	2	KNNR771	Closter, Borough of	Closter Police Department
453.5500	15	KLO484	Upper Saddle River, Borough of	Upper Saddle River Police Department
458.5500	15	KLO484	Upper Saddle River, Borough of	Upper Saddle River Police Department
460.0500	13	WPJM966	Village of Spring Valley	Spring Valley Police Department
460.0625	9	KFN569	Orangeburg Fire District	Rockland Fire
460.5875	9	KFN569	Orangeburg Fire District	Rockland Fire
460.6125	9	KFN569	Orangeburg Fire District	Rockland Fire
465.6125	9	KFN569	Orangeburg Fire District	Rockland Fire
460.6375	9	KFN569	Orangeburg Fire District	Rockland Fire
462.3500	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
462.4000	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
464.7750	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
464.8250	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
465.0500	13	WPJM966	Village of Spring Valley	Spring Valley Police Department
465.0625	9	KFN569	Orangeburg Fire District	Rockland Fire
465.6375	9	KFN569	Orangeburg Fire District	Rockland Fire
467.3500	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
467.4000	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
469.7750	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical
469.8250	17	WQEN226	Wyeth Ayerst Lederle	Wyeth Pharamcutical