January 28, 2014

Marlene H. Dortch, Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, D.C. 20554

Re: Ex Parte Filing
PS Docket No. 13-209

Dear Ms. Dortch:

This is to advise that on January 24, Jose Martin, Chief Executive Officer, PowerTrunk, Inc., and Patrick McPherson and Ken Keane, counsel for PowerTrunk, met with Admiral David Simpson, Chief, Public Safety and Homeland Security Bureau, David Furth, Deputy Chief, Public Safety and Homeland Security Bureau, and Brian Marenco of the Policy and Licensing Division, regarding PowerTrunk's position in the above-referenced proceeding.

PowerTrunk addressed two issues raised in the current NPRM—interoperability and the use of emission masks. With respect to analog FM capability on the mutual aid channels, the PowerTrunk representatives informed the staff that PowerTrunk's multi-mode equipment includes analog FM capability for mutual aid purposes as evidenced by the equipment authorization issued to PowerTrunk in April 2013.

PowerTrunk also addressed the suitability of using Mask B for certification of PowerTrunk's equipment on the 800 MHz NPSPAC channels. PowerTrunk pointed out that both emission Masks B and H were implemented to limit the amount of the RF radiated signal in the adjacent bands without regard to whether the source is an analog emission or a digital emission. PowerTrunk explained that Mask B is reserved for that equipment which achieves compliance with the Mask by limiting the audio input frequency via an audio low-pass filter, while Mask H is intended to prevent equipment which, in absence of Mask H's more stringent boundaries, could be capable of exceeding Mask B's limits. Thus, in the end, both Mask B and Mask H are devices to ensure that an RF radiated signal does not exceed Mask B limits. In view of this, PowerTrunk pointed out that there is no technical justification to allow non-Mask H compliant analog equipment and simultaneously ban non-Mask H digital equipment as "interference" is caused by RF radiation which is independent of the means used (either analog or digital) to generate it.

Further, PowerTrunk noted that the Commission has certificated numerous technologies with low-pass filters for NPSPAC channels over the years, including digital technologies, pursuant to Mask B even though this same equipment also exceeds Mask H as reflected in the attached Exhibit A which was displayed at the meeting.

PowerTrunk observed that claims that the Rules should be changed to require compliance with Mask H had no technological basis, and would result in giving preference to analog technology over digital technology to the major detriment of public safety users who will be deprived of the benefits and cost savings of TI D-LMR technology.

PowerTrunk discussed the FCC's practice of authorizing equipment for the 800 MHz NPSPAC frequencies that complied with Mask B but that exceeded Mask H, and provided Exhibit B as an example of such equipment. Further, PowerTrunk discussed the ability of the Regional Planning Commissions (RPCs) to coordinate analog equipment certified under Mask B and licensed for use in the NSPAC band, as evidenced by the thousands of licenses that have been issued for such equipment, including the examples provided in Exhibit C. PowerTrunk noted that the record in the current docket contains no complaints of interference based on the use of Mask B compliant equipment in the NPSPAC band.

In response to a staff question as whether the FCC should provide guidance to the RPCs regarding the coordination of new digital technologies such as TI-DLMR, PowerTrunk responded that it would be prudent to provide guidance particularly as it relates to the availability of suitable planning tools and encourages the appropriate training in the use of such tools across RPCs.

The PowerTrunk representatives supplied copies of the documents attached.

A copy of this letter is being filed in the above-referenced proceeding.

Respectfully submitted,

Jose Martin
Chief Executive Officer

Cc: Admiral David Simpson (ret.)
David Furth
Brian Marenco
Renee Roland

Enclosures

EXHIBIT A

CRITERIA FOR SEARCHING:
Equipment which were granted by FCC and fullfiled these requirements:

DIGITAL

Digital Modulation:	Allowed numbers in the emission designator (6th character):
With audio low pass filter:	Mask B
Date:	Both Grant and Test Report should be available:
FCC Rule Parts:	FCC Part 90

ANALOG

Emission Designators	16K0F3E, 14K0F3E, 11K0F3E
With audio low pass filter:	Mask B
Date:	Both Grant and Test Report should be available:
FCC Rule Parts:	FCC Part 90

Applicant Name:	Analog / Digital	Commercial Name	FCC Identifier:	Frequency Range:	Emission designator:	Date of Grant	Type	Comments
JVC KENWOOD Corporation	Digital / Analog (NEXEDGE)	NX-920G-K, NX-920-K	K44458300	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	6/18/2013	Mobile	
	Digital / Analog (NEXEDGE)	NXR-900-K	K44417100	851.0 - 869.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	11/16/2010	Repeater	
	Digital / Analog (P25)	TK-5910-K	K44421000	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	12/4/2009	Mobile	
HARRIS CORPORATION	Digital / Analog (P25)	XG-25M	OWDTR-0076-E	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	5/14/2013	Mobile	
	Digital / Analog (P25)	XG-25P	OWDTR-0073-E	809.0 - 824.0 MHz 854.0 - 869.0 MHz	16K0F3E, 14K0F3E	10/26/2012	Portable	
	Digital / Analog (P25)	XG-75	OWDTR-0074-E	809.0 - 824.0 MHz 854.0 - 869.0 MHz	16K0F3E, 14K0F3E	1/12/2012	Portable	
	Digital / Analog (OpenSky / EDACS / P25)	P5300 / P5500	OWDTR-0066-E	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	9/8/2011	Portable	
	Digital / Analog (P25)	XG-100M	AQZ-XG-100M00	806.0 - 809.0 MHz 809.0 - 824.0 MHz 851.0 - 854.0 MHz 854.0 - 869.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	5/24/2011	Mobile	
	Digital / Analog (OpenSky / EDACS / P25)	M7300 / M5300	OWDTR-0060-E	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	9/30/2010	Mobile	
	Digital / Analog (P25)	XG-100P	AQZ-XG-100P00	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	2/5/2010	Portable	
	Digital / Analog (OpenSky / EDACS / P25)	P7300	OWDTR-0054-E	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	7/1/2009	Portable	
	Digital / Analog (OpenSky / EDACS / P25)	M7300 / M5300	OWDTR-0051-E	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	5/30/2008	Mobile	
	Digital / Analog (OpenSky / EDACS / P25)	P5400	OWDTR-0043-E	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	4/3/2008	Portable	
	Digital / Analog (OpenSky / EDACS / P25)	M7200	BV8M7200	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	10/4/2005	Mobile	
	Digital / Analog (OpenSky / EDACS / P25)	P7200	BV8P7200	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	9/20/2005	Portable	
	Digital (OpenSky)	P801T	BV8P801T	806.0 - 8240 MHz 851.0 - 869.0 MHz	12K5F1D, 13K5F1E	3/29/2004	Portable	

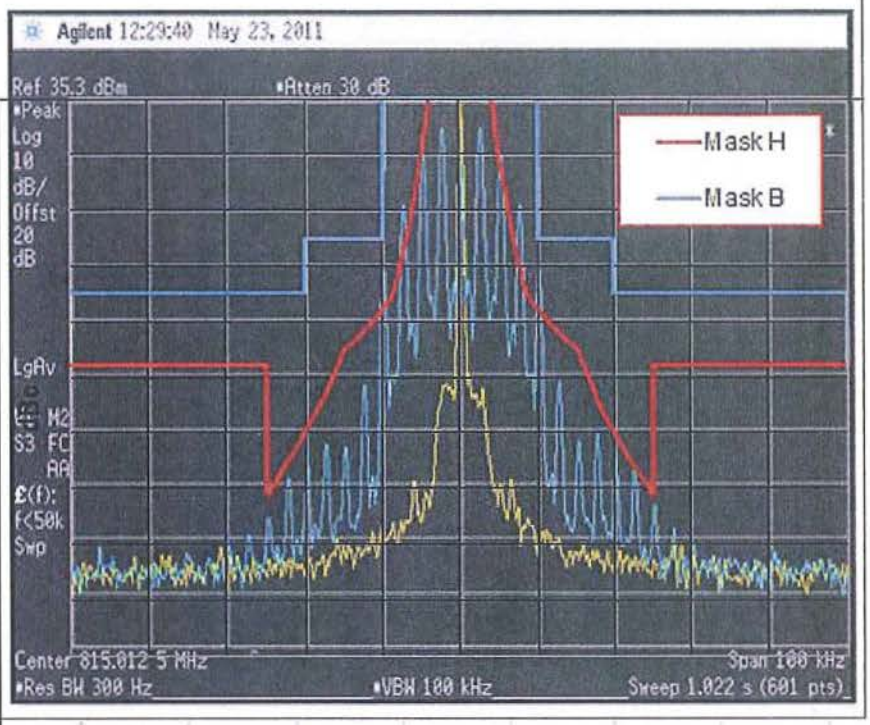
Hytera Communications Corporation Ltd.	Digital / Analog (DMR)	PD702G U5/ PD706G U5/ PD708G U5/ HD705G U5	YAMPD70XGU5H	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 11K0F3E	5/27/2013	Portable	
	Digital / Analog (DMR)	PD782G U5/ PD786G U5/ PD788G U5/ HD785G U5	YAMPD78XGU5H	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 11K0F3E	5/23/2013	Portable	
	Digital / Analog (DMR)	PD702G U5/ PD706G U5/ PD708G U5/ HD705G U5	YAMPD70XGU5	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 11K0F3E	5/23/2012	Portable	
Motorola Solutions, Inc.	Digital / Analog	MotoTRBO XPR™ 755 0/XPR™ 7580	ABZ99FT5014	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 11K0F3E	5/30/2013	Portable	
	Digital / Analog	GTR8000	ABZ89FC5810B	851.0 - 870.0 MHz 854.0 - 870.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	5/22/2013	Base Station	Permissive Change to add "H-Mask" for NPSPAC applications
	Digital / Analog	MTR300	ABZ89FC5819	851.0 - 870.0 MHz	16K0F3E, 11K0F3E	03/09/2010	Base Station	Permissive Change to add "H-Mask" for NPSPAC applications
	Digital / Analog	MTR3000	ABZ89FC5817	851.0 - 870.0 MHz	16K0F3E, 11K0F3E	8/27/2010	Base Station	Permissive Change to add "H-Mask" for NPSPAC applications
	Digital / Analog	XPR 8300 / XPR 8380	ABZ99FT6001	851.0 - 869.0 MHz	16K0F3E, 11K0F3E	4/23/2010	Repeater	
	Digital / Analog	XPR 8300 / XPR 8380	ABZ99FT5029	851.0 - 869.0 MHz	16K0F3E, 11K0F3E	1/8/2010	Repeater	
	Digital / Analog (ASTRO, P25)	APX 7500	AZ492FT7035	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 11K0F3E 20K0F1E	11/17/2009	Mobile	
	Analog	HT 1250	AZ489FT5836	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E	3/7/2007	Portable	
	Analog	AT S2500	AZ489FT5837	806.0 - 824.0 MHz 851.0 - 870.0 MHz	16K0F3E	11/7/2005	Portable	
	Analog (P25)	MTX8250	AZ489FT5836	806.0 - 824.0 MHz 851.0 - 870.0 MHz	16K0F3E	4/26/2007	Portable	
	Digital / Analog (ASTRO, P25)	APX 7500 / APX 05	AZ492FT7048	851.0 -869.0 MHz	20K0F1E, 8K10F1E, 8K10F1D, 11K0F3E, 16K0F3E	12/7/2011	Mobile	
	Digital / Analog (ASTRO, P25)	PDR 3500	AZ492FT5809	851.0 -870.0 MHz	20K0F1E, 8K10F1E, 8K10F1D, 16kK0F3E	3/25/2002	Repeater	
	Digital / Analog (ASTRO, P25)	XLT5000	AZ492FT5823	764.0 - 870.0 MHz	20K0F1E, 8K10F1E, 8K10F1D, 11K0F3E, 16K0F3E	9/5/2003	Mobile	
Kenwood USA Corporation	Digital / Analog (P25)	TK-5410D-K2, TK-5410D-K3	ALH468800	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	10/23/2013	Portable	
	Digital / Analog (P25)	TK-5410 - K2, TK-5410 - K3	ALH420700	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	12/13/2009	Portable	
E. F. Johnson Company	Digital / Analog (P25)	VP900	ATH2425780	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	7/24/2013	Portable	
	Digital / Analog (ASTRO, P25)	VP600	ATH2425770	806.0 - 824.0 MHz 851.0 - 869.0 MHz	16K0F3E, 14K0F3E	2/10/2012	Portable	
	Digital / Analog (P25)	5300	ATH2425371	806.0 - 869.0 MHz	16K0F3E, 14K0F3E, 11K0F3E	3/4/2005	Mobile	
	Digital / Analog (P25)	5100 ES	ATH2425180	806.0125 - 868.9875 MHz	8K10F1E, 16K0F3E, 14K0F3E	5/9/2002	Portable	
Tait Limited	Analog	TP8100	CASTPCK6A	806.0 - 824.0 MHz 809.0 - 824.0 MHz 851.0 - 870.0 MHz 854.0 - 870.0 MHz	16K0F3E, 11K0F3E	06/03/2009	Portable	

	Digital / Analog (P25)	TM9100	CASTMAK5F	806.0 - 870.0 MHz	16K0F3E, 11K0F3E	4/17/2007	Mobile	
	Analog	TM8200	CASTMAK5D	806.0 - 869.0 MHz	16K0F3E, 11K0F3E	15/03/2007	Mobile	
	Analog	TM8100	CASTMAK5B	806.0 - 869.0 MHz	16K0F3E, 11K0F3E	2/19/2007	Mobile	
	Digital	DRT9955B	XLM1201B	851-869 MHz	17K7D7W	4/8/2011	Amplifier	
Digital Receiver Technology, Inc.	Digital	DRT1201B	XLM9955B1	851-869 MHz	17K7D7W	4/8/2011	Base Station	
T L Parker Ltd	Digital / Analog (ASTRO / P25)	RDX Series (ASTRO XTS3000)	QKGRDX-U3	806-870 MHz	8K10F1E, 16K0F3E, 11K0	2/12/2003	Mobile	
CynTrust Communications	Digital	CDVSL411SAV00	PCKCDVSL411SAV001	806.0 - 824.0 MHz 851.0 - 869.0 MHz	18K9D7W	3/19/2001	Mobile	
Digital Receiver Technology	Digital	DRT9955B	XLM9955B1	851.0 - 869.0 MHz	17K7D7W	4/8/2011	Amplifier	

Analog emission designator with B mask in NPSPAC band
Digital emission designator with B mask
Analog and Digital emissions designators with B mask

EXHIBIT B

Occupied Bandwidth – Analog FM 815.0125 MHz Mask B



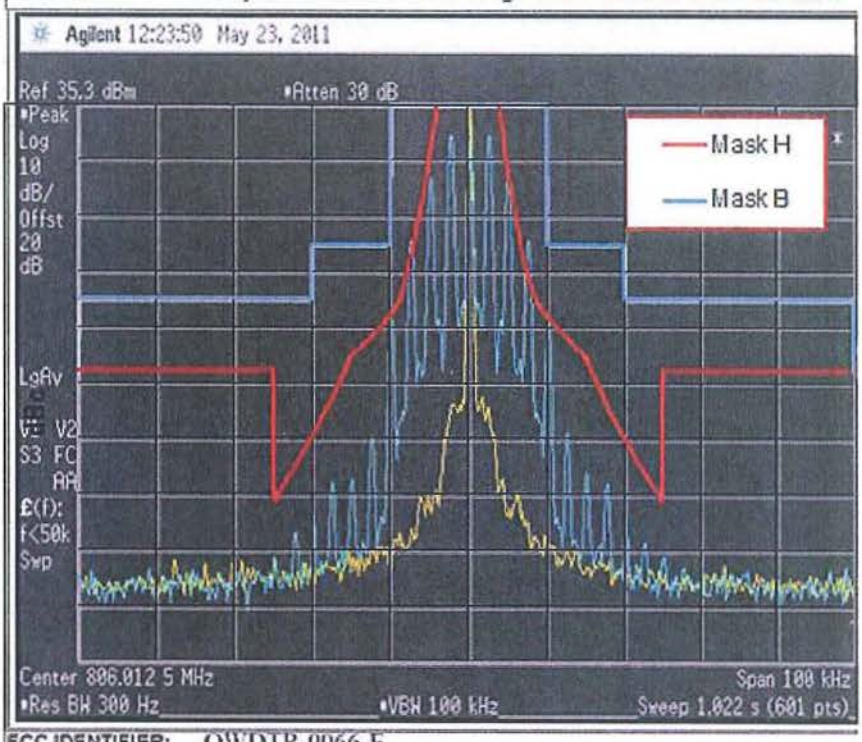
FCC IDENTIFIER: OWDTR-0066-E
Name of Grantee: HARRIS CORPORATION
Equipment Class: **Licensed Non-Broadcast Transmitter Held to Face**
Notes: **800 MHz P5500, 800 MHz P5300**

FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
90	806.0 - 824.0	3.0	0.21 PM	16K0F3E

HARRIS_P5500_P5300_16K0F3E_815_0125 MHZ

6.2 Test Data

Plot 6-1: Occupied Bandwidth – Analog FM NPS 806.0125 MHz Mask B

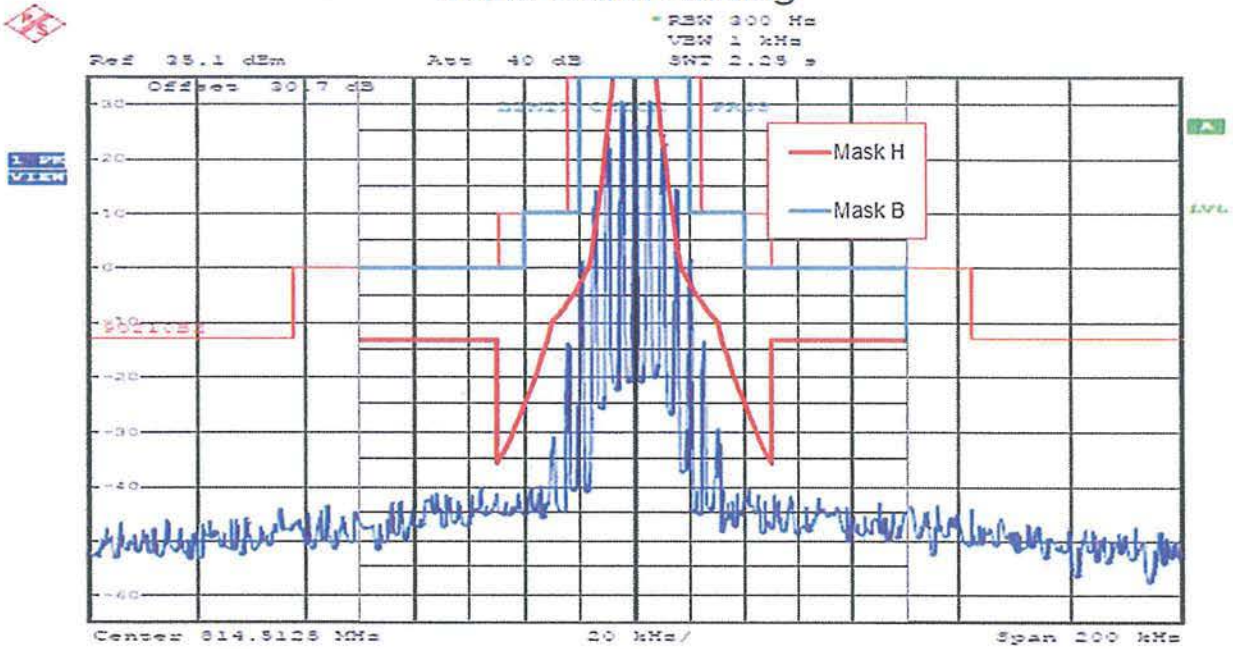


FCC IDENTIFIER: OWDTR-0066-E
Name of Grantee: HARRIS CORPORATION
Equipment Class: **Licensed Non-Broadcast Transmitter Held to Face**
Notes: **800 MHz P5500, 800 MHz P5300**

FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
90	806.0 - 824.0	3.0	0.21 PM	14K0F3E

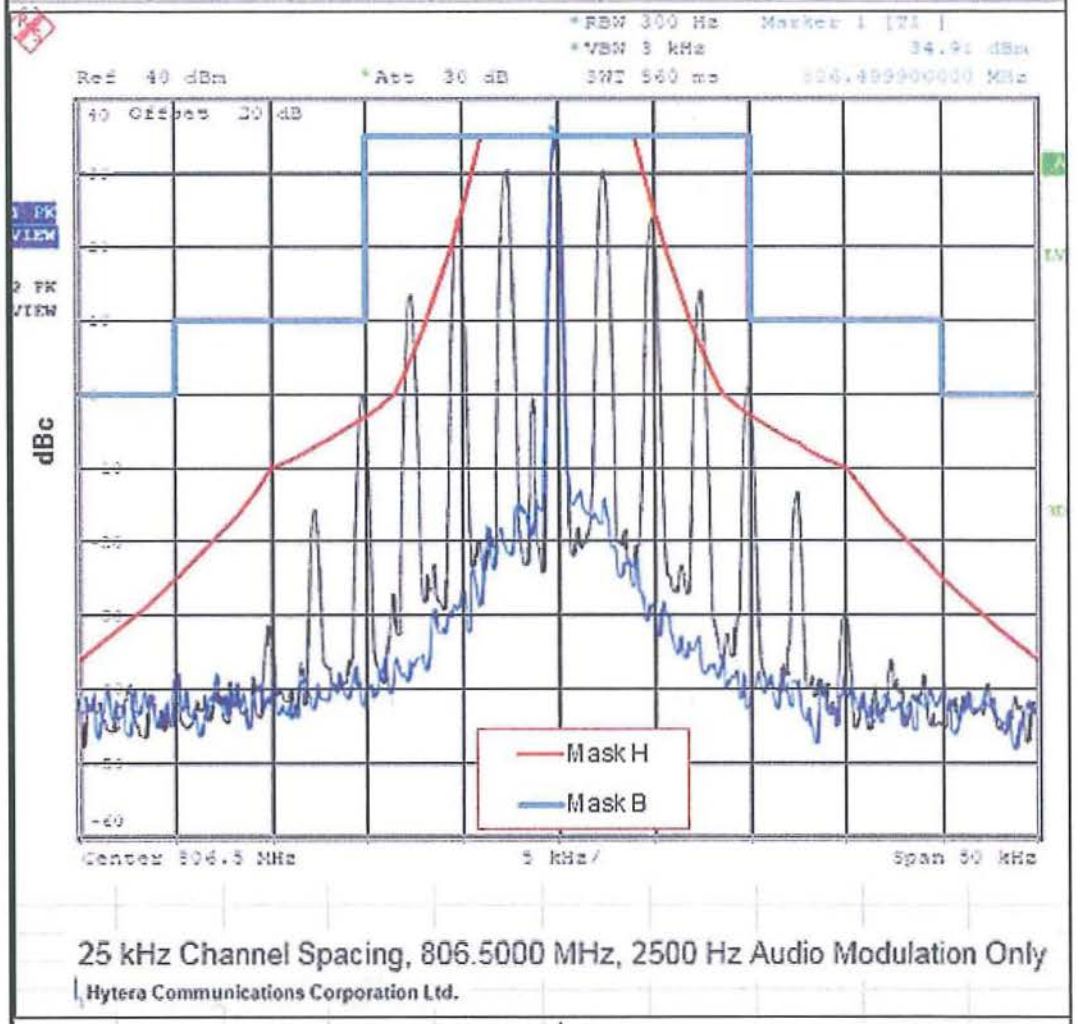
HARRIS_P5500_P5300_14K0F3E_806_0125 MHZ

Mask 90.210(b)
Wide Band Analog



EF_JOHNSON_VP900_16K0F3E

Modulation Type	Channel Separation	Freq.(MHz)	FCC Applicable Mask	RBW	Audio Freq. (KHz)	Results
FM	25 KHz	806.5000	B	300Hz	2.5	Complicance

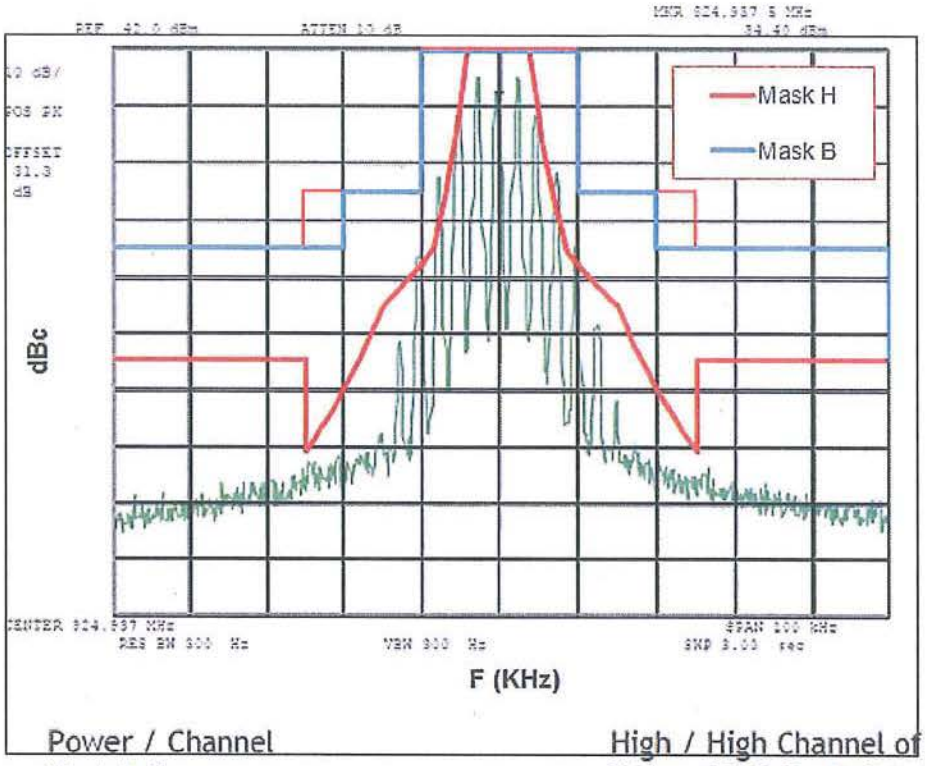


25 kHz Channel Spacing, 806.5000 MHz, 2500 Hz Audio Modulation Only

Hytera Communications Corporation Ltd.

PD702G U5/ PD705G U5/ PD706G U5/ PD708G U5/ HD705G U5 Hytera	FCC ID	YAMPD70XGU5H
	IC	8913A-PD702GU5H

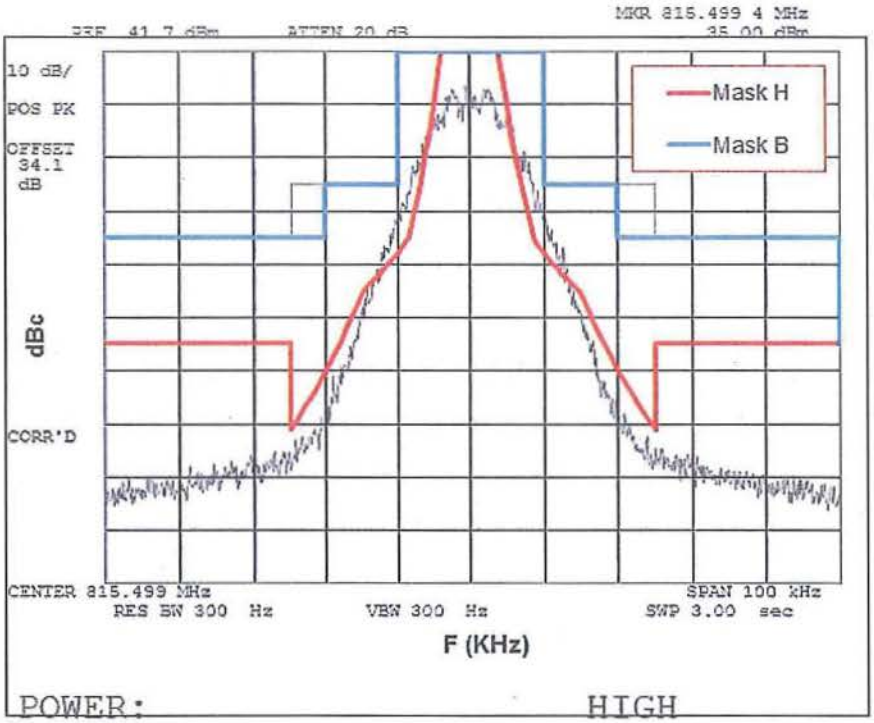
HYTERA_PD70XG_U5_16K0F3E



Power / Channel
Modulation:

High / High Channel of Lower Band Split
Voice: 2500 Hz (14K0F3E)
Mask: B, VHF/UHF 25kHz, w/LPF

KENWOOD TK-980_MASK_B_AND_H_14K0F3E

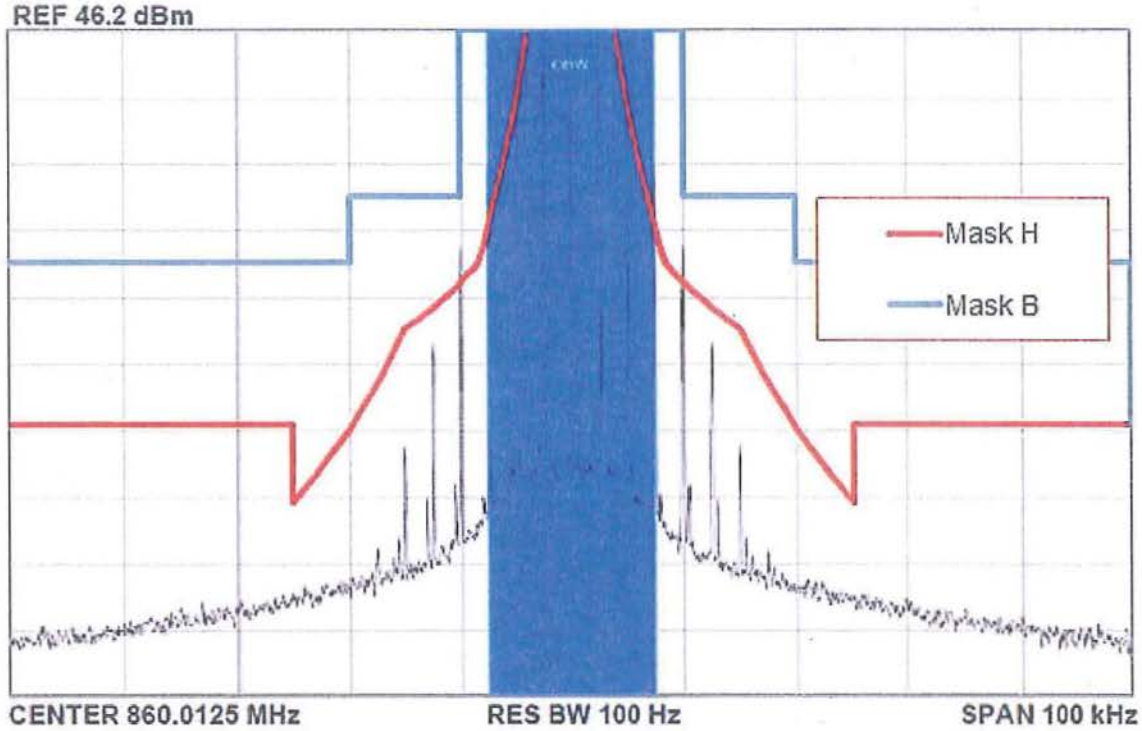


POWER: HIGH

MODULATION: GMSK 19200 BITS PER SECOND
MASK: B, VHF/UHF 25kHz,
w/LPF

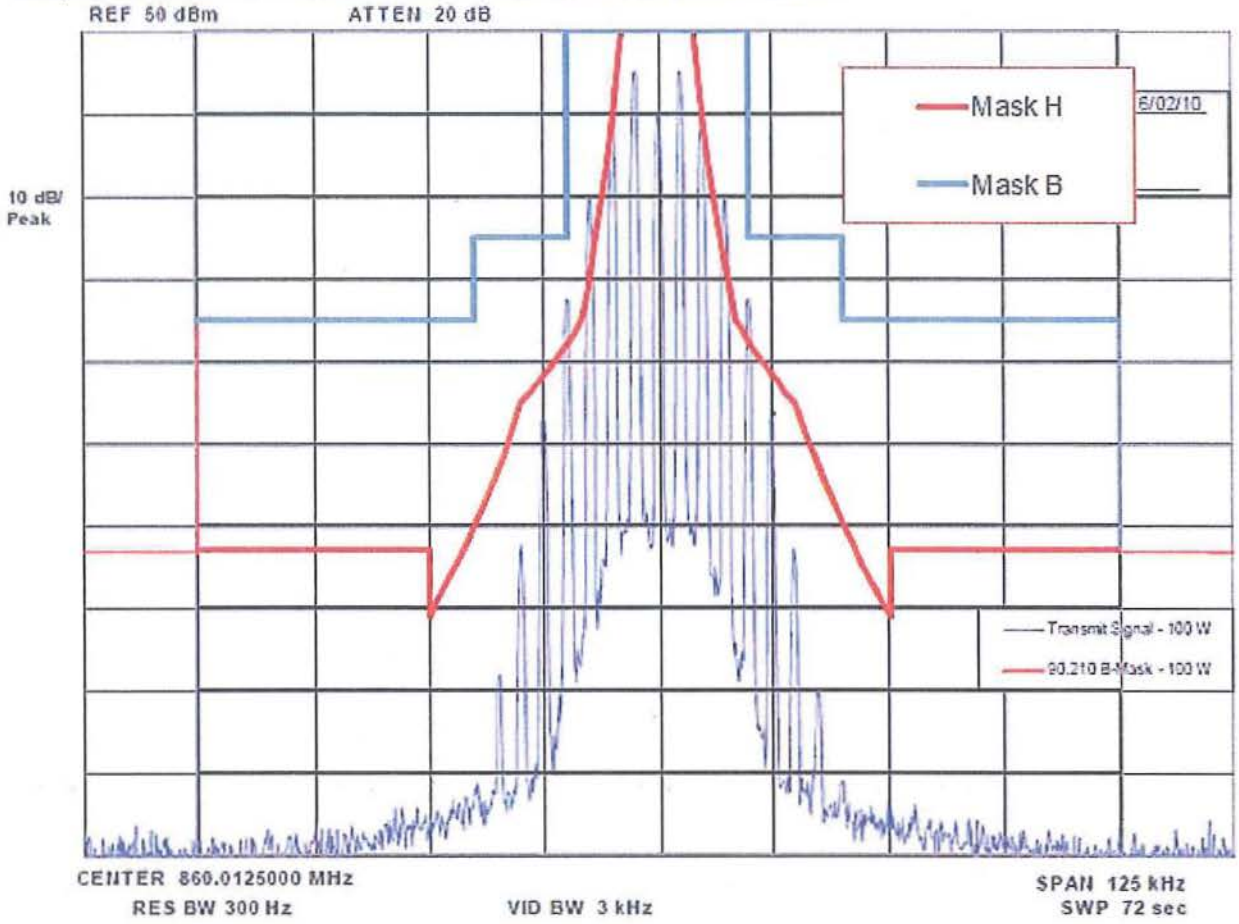
KENWOOD TK-980_MASK_B_AND_H_20K0F1D

Occupied Bandwidth -- Standard Audio Modulation (25 KHz Channelization, Analog Voice) - 16K0F3E - 42 Watts



MOTOROLA_APX7500_16K0F3E

Occupied Bandwidth - 25 kHz Channels - Carrier with 2500 Hz Audio Tone - 16K0F3E



MOTOROLA_MTR3000_16K0F3E

Applicant: Motorola Inc. FCC ID: AZ489FT5836

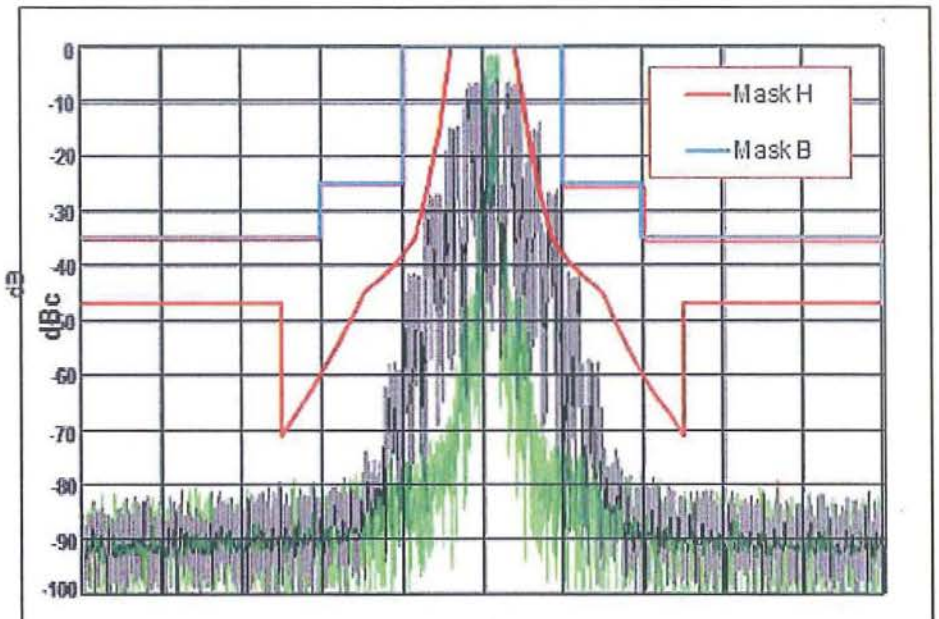


Figure 6E-2: Mask B; 25 kHz Channel Spacing, 2500 Hz Audio and TPL Tone Modulation; 16K0F3E

CENTER FREQUENCY(MHz):	815.0125

FCC IDENTIFIER: AZ489FT5836
Name of Grantee: Motorola Solutions, Inc.
Equipment Class: Licensed Non-Broadcast Transmitter Held to Face
Notes: Portable 2-Way Radio

FCC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
90	806.0 - 824.0	2.5	2.5 PM	16K0F3E
90	851.0 - 869.0	2.0	2.5 PM	16K0F3E

MOTOROLA_MTX8250_16K0F3E_TPL_TONE_MODULATION_815_0125MHZ

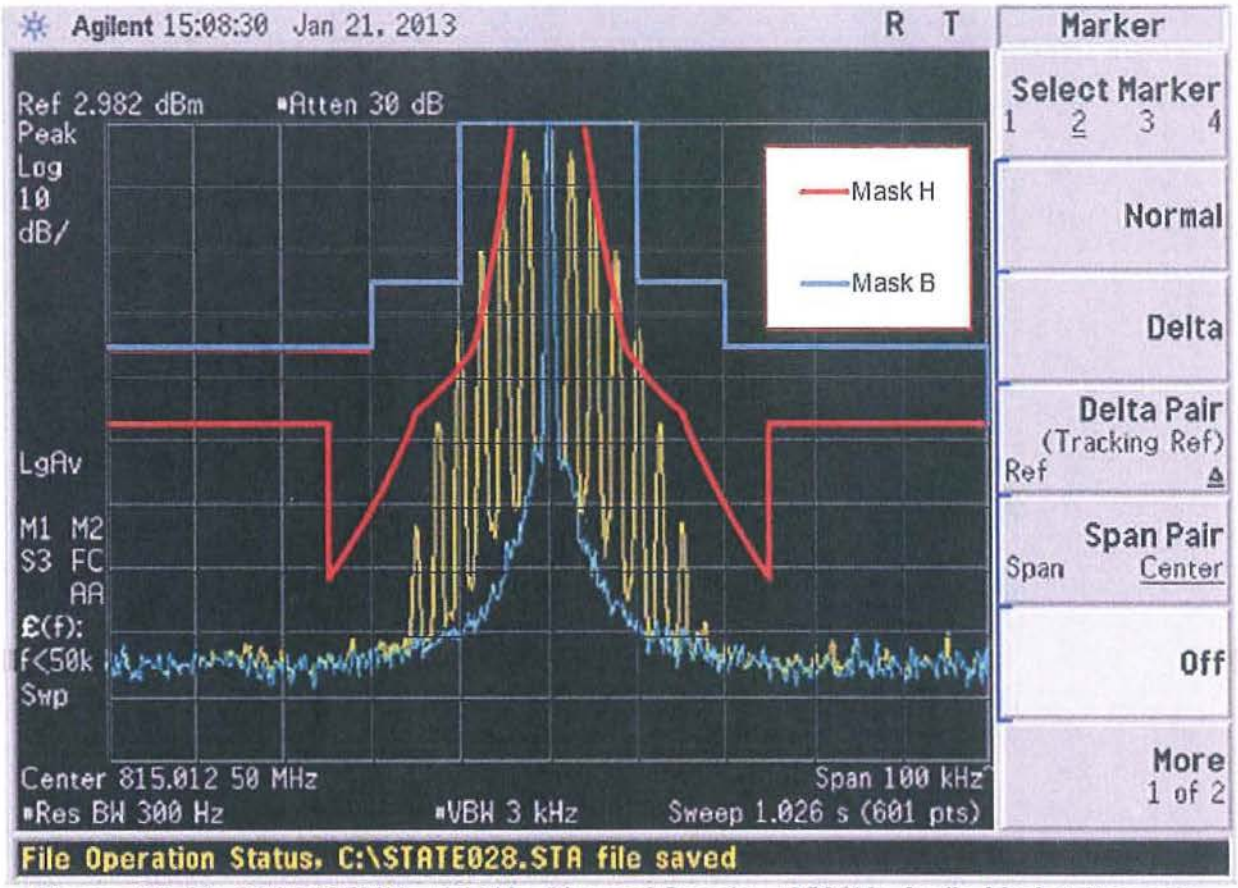


Figure 6E-22: 815.0125MHz, 25 kHz Channel Spacing, 2500Hz Audio Modulation only, **16K0F3E Mask B**

MOTOROLA_XPR7550_758_16K0F3E

EXHIBIT C

WQLV890	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	5/6/2010	852.7	WASATCH
WQLV704	MASSACHUSETTS, COMMONWEALTH OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	5/4/2010	851.175	HAMPDEN
WQRN494	RHODE ISLAND, STATE OF - EMERGENCY MANAGEMENT AGENCY	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	6/25/2013	851.15	PROVIDENCE
WQSA433	RHODE ISLAND, STATE OF - EMERGENCY MANAGEMENT AGENCY	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	8/22/2013	851.15	PROVIDENCE
WQKL263	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	6/30/2009	851.9375	WASATCH
WNNR521	SEATTLE CITY OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/18/2014	851.2875	KING
WQKB847	WASHINGTON, COUNTY OF	10K0F1E,16K0F1D,16K0F3E	3/23/2009	851.0125	WASHINGTON
WPQF924	GENESEE, COUNTY OF	10K0F1E,16K0F1D,16K0F3E	4/9/2005	851.0125	GENESEE
WPQF924	GENESEE, COUNTY OF	10K0F1E,16K0F1D,16K0F3E	4/9/2005	851.0125	GENESEE
WPQF924	GENESEE, COUNTY OF	10K0F1E,16K0F1D,16K0F3E	4/9/2005	851.0125	GENESEE
WQTB541	HAMPDEN, COUNTY OF	10K0F1E,16K0F1D,16K0F3E	12/26/2013	852.1125	HAMPDEN
WQKL263	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,16K0F1D,16K0F3E	6/30/2009	851.9375	SUMMIT
WQKL263	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,16K0F1D,16K0F3E	6/30/2009	851.9375	UTAH
WNNR521	SEATTLE CITY OF	10K0F1E,16K0F1D,16K0F3E	1/18/2014	851.2875	KING
WNVG207	ELK GROVE UNIFIED SCHOOL DISTRICT	10K0F1E,16K0F1D,16K0F3E	2/9/2011	851.7	SACRAMENTO
WQQB403	Rhode Island, State of - Emergency Management Agency	10K0F1E,16K0F1D,16K0F3E	10/15/2012	852.95	PROVIDENCE
WQLA280	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,16K0F1D,16K0F3E	11/9/2009	851.0125	
WQLA591	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,16K0F1D,16K0F3E	11/12/2009	851.05	BOX ELDER
WQKZ446	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,16K0F1D,16K0F3E	11/4/2009	851.3375	SUMMIT
WQKU576	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,16K0F1D,16K0F3E	9/17/2009	851.3875	UTAH
WQLA274	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,16K0F1D,16K0F3E	11/9/2009	851.45	
WQKZ464	UTAH COMMUNICATIONS AGENCY NETWORK	11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	11/4/2009	851.5375	SANPETE
WQKZ445	UTAH COMMUNICATIONS AGENCY NETWORK	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	11/4/2009	852.1375	UTAH
WQKZ444	UTAH COMMUNICATIONS AGENCY NETWORK	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	11/4/2009	852.2875	SANPETE
WQKL263	UTAH COMMUNICATIONS AGENCY NETWORK	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	6/30/2009	851.9375	WASATCH
WQNT552	MULTI AGENCY COMMUNICATIONS CENTER	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	9/16/2013	851.0125	GRANT
WQMF573	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	ELKO
WQMF574	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	LINCOLN
WQMF575	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	ELKO
WQMF576	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	NYE
WQMF582	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	CHURCHILL
WQMG849	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	8/4/2010	851.0125	LANDER
WQMF573	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	ELKO
WQMF574	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	LANDER
WQMF575	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	EUREKA
WQMF576	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1D,8K10F1E	7/26/2010	851.0125	NYE
WQMF578	NEVADA, STATE OF DEPT. OF TRANS.	11K0F3E,14K0F3E,16K0F3E,8K10F1E	7/26/2010	851.0125	STOREY

radio_callsign	radio_licensee	10K0F1D,11K0F1D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	radio_accepted	frequency_mhz	location_county
WPQC272	SEATTLE CITY LIGHT	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	3/11/2005	851.2875	SNOHOMISH
WQMQ522	Washington State Department of Corrections	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	10/17/2013	853.9625	PIERCE
WQPT649	MASSACHUSETTS, COMMONWEALTH OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	8/13/2012	851.0125	
WQNA764	OAK RIDGE, CITY OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	11/26/2010	851.1	ANDERSON
WQKD520	WASHINGTON COUNTY CONSOLIDATED COMMUNICATIONS AGENCY	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	4/8/2009	851.0125	
WPCJ415	COUNTY OF CLINTON	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	6/14/2005	852.0125	CLINTON
WPCJ415	COUNTY OF CLINTON	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	6/14/2005	852.4625	CLINTON
WPQF924	GENESEE, COUNTY OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	4/9/2005	852.0875	GENESEE
WQOZ973	POLK, COUNTY OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	3/16/2012	852.425	POLK
WQSV285	MASSACHUSETTS, COMMONWEALTH OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	11/20/2013	851.2	BARNSTABLE
WQQY704	CALIFORNIA, STATE OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	3/27/2013	851.0625	NAPA
WQRB414	CALIFORNIA, STATE OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	4/9/2013	851.5375	LASSEN
WQOZ973	POLK, COUNTY OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	3/16/2012	852.425	POLK
WQLV701	MASSACHUSETTS, COMMONWEALTH OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	5/4/2010	851.875	FRANKLIN
WQMD597	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	7/7/2010	851.1125	BOX ELDER
WPCJ415	COUNTY OF CLINTON	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	6/14/2005	852.0125	CLINTON
WQLJ426	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	2/9/2010	853.4	DAGGETT
WQKV937	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	10/1/2009	853.7625	DAGGETT
WQMF575	NEVADA, STATE OF DEPT. OF TRANS.	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	7/26/2010	851.0125	HUMBOLDT
WQLV704	MASSACHUSETTS, COMMONWEALTH OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	5/4/2010	851.175	HAMPSHIRE
WQLV704	MASSACHUSETTS, COMMONWEALTH OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	5/4/2010	851.175	HAMPDEN
WQLV682	MASSACHUSETTS, COMMONWEALTH OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	5/4/2010	851.875	HAMPSHIRE
WQLV701	MASSACHUSETTS, COMMONWEALTH OF	10K0F1D,11K0F2D,11K0F3E,16K0F2D,16K0F3E,8K10F1E	5/4/2010	851.875	FRANKLIN
WQMD566	PORT AUTHORITY OF NEW YORK AND NEW JERSEY	10K0F1D,11K0F2D,11K0F3E,16K0F2E,16K0F3E,8K10F1E	7/7/2010	851.1125	QUEENS
WQDA838	TENNESSEE, STATE OF (DOC)	10K0F1D,16K0F3E,16K0F9W	7/11/2005	853.4875	CARTER
WQNY597	Clinton County, New York	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	12/6/2013	852.4625	CLINTON
WQNY597	Clinton County, New York	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	12/6/2013	852.9125	CHITTENDEN
WQQL647	CALIFORNIA, STATE OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/22/2013	851.0125	SONOMA
WQQL647	CALIFORNIA, STATE OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/22/2013	851.5125	SONOMA
WQQL647	CALIFORNIA, STATE OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/22/2013	852.0125	SONOMA
WQQL647	CALIFORNIA, STATE OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/22/2013	852.5125	SONOMA
WQKB270	PORT AUTHORITY OF NEW YORK AND NEW JERSEY	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	3/16/2009	852.575	NEW YORK
WQQB403	Rhode Island, State of - Emergency Management Agency	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	10/15/2012	852.95	PROVIDENCE
WQMF581	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	7/26/2010	852.4375	MILLARD
WPVB322	Clinton, County of	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	6/6/2012	852.9125	CLINTON
WQQK302	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/11/2013	851.175	BOX ELDER

WQJE432	ILLINOIS, STATE OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	8/8/2008	851.0125	CHRISTIAN
WQJE433	ILLINOIS, STATE OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	8/8/2008	851.0125	CHAMPAIGN
WQKN723	OREGON DEPT. OF CORRECTIONS, WIRELESS COMMUNICATIONS UNIT	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	7/27/2009	851.075	CLACKAMAS
WQKB737	MIDDLESEX, COUNTY OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	3/20/2009	851.175	MIDDLESEX
WQNW341	TROUP COUNTY BOARD OF COMMISSIONERS	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	6/16/2011	851.0125	TROUP
WQLI959	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	2/4/2010	853.4	GRAND
WQKN910	PORT AUTHORITY OF NEW YORK AND NEW JERSEY	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	7/28/2009	851.5125	NEW YORK
WQQB403	Rhode Island, State of - Emergency Management Agency	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	10/15/2012	852.95	PROVIDENCE
WQLJ454	PORT AUTHORITY OF NEW YORK AND NEW JERSEY	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	2/9/2010	852.3375	NEW YORK
WNNR521	SEATTLE CITY OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/18/2014	851.2875	KING
WNNM887	PORT AUTHORITY OF NEW YORK AND NEW JERSEY	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	3/19/2005	851.2125	ESSEX
WNNM887	PORT AUTHORITY OF NEW YORK AND NEW JERSEY	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	3/19/2005	851.8125	ESSEX
WNNR525	SEATTLE CITY LIGHT	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/18/2014	851.2875	SNOHOMISH
WQNE484	HERNANDO COUNTY EMERGENCY MANAGEMENT	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/7/2011	851.1375	HERNANDO
WQPT542	Nextel License Holdings 4, Inc.	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	3/16/2011	851.8125	MAHONING
WQOD387	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	8/18/2011	851.4375	CARBON
WQOQ654	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	12/27/2011	851.5875	SAN JUAN
WQOH496	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	9/27/2011	851.3875	IRON
WQOI315	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	10/4/2011	851.3375	BEAVER
WQOB559	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	8/3/2011	851.4	GRAND
WQQE671	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	11/19/2012	851.4125	WASHINGTON
WQQE670	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	11/19/2012	851.4375	WASHINGTON
WQOI294	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	10/4/2011	853.975	EMERY
WQJT595	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	12/29/2008	851.3125	WASHINGTON
WQLB510	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	11/23/2009	851.3875	CARBON
WQOH738	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	9/29/2011	851.675	MILLARD
WNNR517	SEATTLE CITY LIGHT	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/18/2014	851.2875	KITSAP
WQOG812	GERMANTOWN, CITY OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	9/22/2011	852.05	
WPCE346	WEST ORANGE, TOWNSHIP OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	2/26/2013	852.075	ESSEX
WPRS306	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	10/14/2010	851.075	UTAH
WQMF578	NEVADA, STATE OF DEPT. OF TRANS.	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	7/26/2010	851.0125	MINERAL
WQMG849	NEVADA, STATE OF DEPT. OF TRANS.	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	8/4/2010	851.0125	EUREKA
WQMF573	NEVADA, STATE OF DEPT. OF TRANS.	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	7/26/2010	851.0125	ELKO
WPRH431	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	7/18/2005	851.1625	UTAH
WNNR521	SEATTLE CITY OF	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	1/18/2014	851.2875	KING
WPRH429	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	7/18/2005	851.95	BOX ELDER
WQLS495	UTAH COMMUNICATIONS AGENCY NETWORK	10K0F1E,14K0F1D,14K0F3E,16K0F1E,16K0F3E	4/14/2010	852.125	WASATCH