Radio Frequency Authorization

This Authorization is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the US National Science Foundation.

This Authorization expires on: April 1, 2018. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager by January 01, 2018.

	Serial Number NSF 130009		FO	I M:	SD	BUR	NET	RVD 130402	AUS J0906223	EXD 180401		
						NAIC						
	FRQ	BIN	TME	SPD	STO	3	Bandwidth		Emission	Power		
	3175 kHz				XR		100.00 Hz		NON	600 kW	1	
					XR		50.00 kHz		PON	600 kW		
	XAL, XSC	SC XRC		С	XLA, XLG XCL		XCL	XAP	XAZ			
	ARECIBO, PR						182037N0664511W					
	XAD											
	21G											
RAL, RSC		R		С	RLA, RL	.G	ACL	RAP	RAZ			
	ARECIBO, PR		I,N	TIA-U	182037N0664511W							
RAD					Rer	marks						
21G					*EC	T,C,CCP	OT139F	PS118				
					_	• • •		z,78787826	12,130318			
						R,U,NSF	-	•	,			
		291707118				2, 0 , 1101						

Restrictions (NTS, *NTS, SUP)

Supplementary Details - EXPERIMENTAL HF IONOSPHERIC HEATING FACILITY USED FOR THE STUDY OF PLASMA PHYSICS IN THE EARTHS IONOSPHERE. EXPERIMENTS ARE CONDUCTED INFREQUENTLY, USUALLY A FEW TIMES PER YEAR. CHANNEL WILL BE MONITORED BEFORE TRANSMITTING TO AVOID INTERFERENCE. ANTENNA IS A 305 M DISH THAT POINTS STRAIGHT UP AT ALL TIMES. ANTENNA BEAMWIDTH LESS THAN 15 DEG. EXPERIMENTS SUPPORT IMPROVEMENTS IN SCIENCE OF RADIO PROPAGATION.

SPECIAL HANDLING INSTRUCTIONS

None.

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Serial Number NSF 130008		FO	I MS		BUR NAIC	NET	RVD 130418	AUS J0906236	EXD 180401	
FRQ	BIN	TME	SPD	STC		Bandwidth		Emission	Power	
5100 kHz				XR		100.00 Hz		NON	600 kW	
				XR		50.00 kHz		PON	600 kW	
XAL, XSC				XRC		XLA, XL	G	XCL	XAP	XAZ
ARECIBO, PR), PR			182037N0664511W						
XAD										
23G										
RAL, RSC ARECIBO, PR			RRC	;	RLA, RL	G	ACL	RAP	RAZ	
		I,N7	ΓIA-U	182037N0664511W						
RAD				Rem	arks					
23G				*EQT	Γ,C,CCP	OT139FI	PS118			
				*P00	C,ANGEL	VAZQUEZ	z,78787826	12,130318		
				*EQF	R,U,NSF	CUSTOM				

Restrictions (NTS, *NTS, SUP)

S070 - SUBJECT TO IMMEDIATE CANCELLATION UPON NOTICE FROM FCC.

Supplementary Details - EXPERIMENTAL HF IONOSPHERIC HEATING FACILITY USED FOR THE STUDY OF PLASMA PHYSICS IN THE EARTHS IONOSPHERE. EXPERIMENTS ARE CONDUCTED INFREQUENTLY, USUALLY A FEW TIMES PER YEAR. CHANNEL WILL BE MONITORED BEFORE TRANSMITTING TO AVOID INTERFERENCE. ANTENNA IS A 305 M DISH THAT POINTS STRAIGHT UP AT ALL TIMES. ANTENNA BEAMWIDTH LESS THAN 10 DEG. EXPERIMENTS SUPPORT IMPROVEMENTS IN SCIENCE OF RADIO PROPAGATION.

SPECIAL HANDLING INSTRUCTIONS

None.

Radio Frequency Authorization

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	Serial Number NSF 130007		FO	I MS	SD	BUR NAIC	NET	RVD 130402	AUS J0906254	EXD 180401	
	FRQ 8175 kHz	BIN	TME	SPD	STC XR XR		Bandwidth 100.00 Hz 50.00 kHz		Emission NON PON	Power 600 kW 600 kW	
XAL, XSC ARECIBO, PR					XRC		XLA, XLG 182037N0664511W		XCL	XAP	XAZ
	XAD 26G										
	RAL, RSC ARECIBO, PR		RRO I,N	C ITIA-U	RLA, RLG 182037N0664511W		ACL	RAP	RAZ		
RAD 26G			*EÇ	Remarks *EQT,C,CCP OT139FPS118 *POC,ANGEL VAZQUEZ,7878782612,130318 *EQR,U,NSF CUSTOM							

Restrictions (NTS, *NTS, SUP)

Supplementary Details - EXPERIMENTAL HF IONOSPHERIC HEATING FACILITY USED FOR THE STUDY OF PLASMA PHYSICS IN THE EARTHS IONOSPHERE. EXPERIMENTS ARE CONDUCTED INFREQUENTLY, USUALLY A FEW TIMES PER YEAR. CHANNEL WILL BE MONITORED BEFORE TRANSMITTING TO AVOID INTERFERENCE. ANTENNA IS A 305 M DISH THAT POINTS STRAIGHT UP AT ALL TIMES. ANTENNA BEAMWIDTH LESS THAN 10 DEG. EXPERIMENTS SUPPORT IMPROVEMENTS IN SCIENCE OF RADIO PROPAGATION.

SPECIAL HANDLING INSTRUCTIONS

None.