

CHANNEL 256 LPFM WAIVER.

SECOND ADJACENT CHANNELS UNDER STUDY :

WUKQ FM , MAYAGUEZ PUERTO RICO OPERATES ON CHANNEL 254B WITH AN ERP POWER OF 25KW , HAAT 730.5 METERS AND A FIELD STRENGTH OF 93.668DBU AT PROPOSED SITE , WITH AN ESTIMATED OVERLAP OF 15 METERS AT RADIATING CENTER OF THE ANTENNA , 12 METERS AT GROUND LEVEL. DISTANCE FROM WUKQ AND PROPOSED LPFM SITE IS 15 KM.

WIDI FM , QUEBRADILLAS PUERTO RICO OPERATES ON CHANNEL 258B, DISTANCE OF 17.1 KM FROM PROPOSED SITE , ERP 22.4 KW , 754.5 HAAT AND 92.932 DBU SIGNAL STRENGTH. WITH ESTIMATED OVERLAP AT PROPOSED ANTENNA RADIATION CENTER OF 16 M AND AT GROUND LEVEL 13 M.

THIS SITE IS SHORT SPACE TO BOTH RADIO STATIONS IN MAYAGUEZ., CREATING A PROHIBITED OVERLAP WITHIN 133.668 DBU (50,10) WITH WUKQ FM AND 132.932 (50,10) WITH WIDI FM ON CHANNEL 254B. THE ESTIMATED OVERLAP IS AROUND 16 M FOR BOTH STATIONS .

THE PROPOSED SITE IS CLEAR OF STATIONS OPERATING ON THIRD ADJACENT CHANNELS , TV CHANNEL 6 IS NOT A FACTOR FOR LPFM STATIONS OPERATING BETWEEN CHANNELS 221 AND 300 (92.1---107.9).

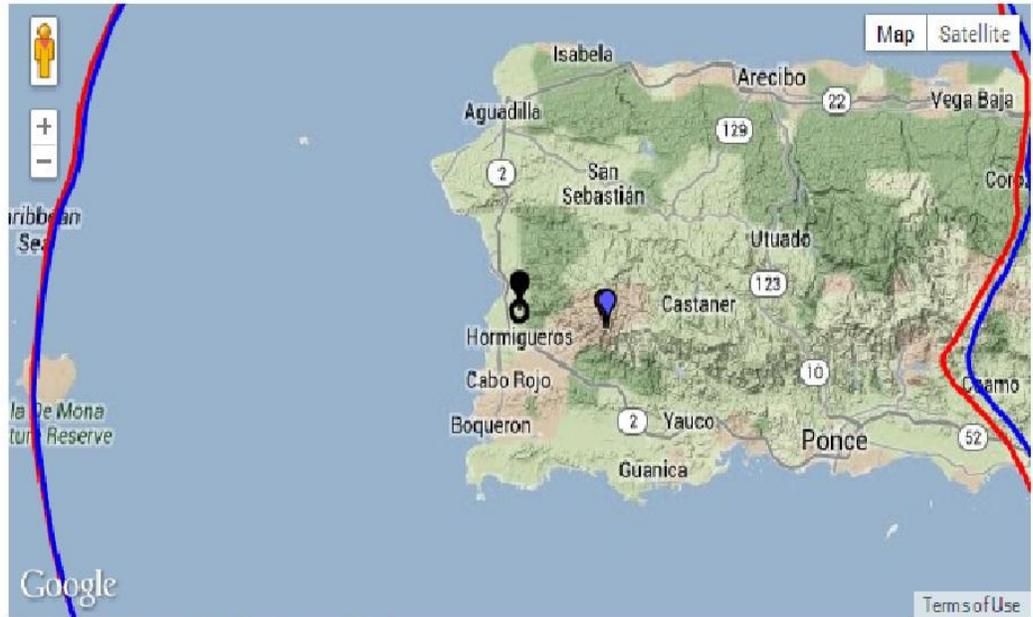
IT IS SUBMITTED THAT THE PROPOSED CHANNEL 256 LPFM WILL NOT CREATE ANY INTERFERENCE TO ANY LISTENERS OR POTENTIAL LISTENERS OF SECOND ADJACENT CHANNELS STATIONS WUKQ FM AND WIDI FM.

THERE ARE NO HOUSING , NO BUSSINESS , NO HIGHWAYS . THE OVERLAP ZONE DOES NOT REACH ANY POTENTIAL LISTENERS IN ADJOINING HOMES OR FOUR LANE HIGHWAYS.

LPFM Channel Report - channel 256

	Ch.	MHz	Call	City of License	Class	Status	Distance	Minimum Required	Fully Spaced	Margin	Bearing
<input type="checkbox"/>	202	88.3	WRUO	MAYAGUEZ PR US	A	LIC	17.1	0	0	17.1	344.9
IF	UNIVERSITY OF PUERTO RICO (FacID: 69434)										
<input type="checkbox"/>	253	98.5		US	B	ADD	15.0	0	0	15	100.4
3rd	WESTERN NEW LIFE, INC. involuntary channel substitution per BPH-20131017AOP - from Channel 254B Channel does not satisfy third-adjacent spacing under Section 7 of the LCRA. Channel is still available but additional remediation policies may apply. In addition, existing LPFM stations that are causing interference to this station may move to a transmitter site within 500 meters of this station, even if it is more than 5.6km away. Run channel 256 report from this station's location.										
<input type="checkbox"/>	254	98.7	WUKQ-FM1	PONCE PR US	D	LIC	57.3	6	6	51.3	111.1
2nd	WLII/WSUR LICENSE PARTNERSHIP, G.P. (FacID: 127832)										
<input checked="" type="checkbox"/>	254	98.7	WUKQ-FM	MAYAGUEZ PR US	B	LIC	15.0	92	92	-77	100.4
2nd	WLII/WSUR LICENSE PARTNERSHIP, G.P. (FacID: 54818)										
<input checked="" type="checkbox"/>	256	99.1	WPRM-FM	SAN JUAN PR US	B	STA	114.1	138	179	-23.9	93.3
CoCh	ARSO RADIO CORPORATION (FacID: 2875)										
<input checked="" type="checkbox"/>	256	99.1	WPRM-FM	SAN JUAN PR US	B	LIC	114.1	138	179	-23.9	93.3
CoCh	ARSO RADIO CORPORATION (FacID: 2875)										
<input checked="" type="checkbox"/>	258	99.5	WIDI	QUEBRADILLAS PR US	B	LIC	15.5	92	92	-76.5	100.6
2nd	IDALIA ARZUAGA, ET AL, EXECUTRIX, ESTATE OF JOSE J. ARZUAGA (FacID: 32141)										





Second adjacent stations impacted

Call Sign	Community	Chan Class	Dist	ERP	Effective HAAT	Field Strength	Est. Overlap	
							Radiation Center	@Ground Level
WUKQ-FM	MAYAGUEZ PR	254B	15.0	25	691.1	93.668 dBu	15 m	12 m
WIDI	QUEBRADILLAS PR	258B	15.5	22.4	713.8	92.932 dBu	16 m	13 m

Predicted Service Area



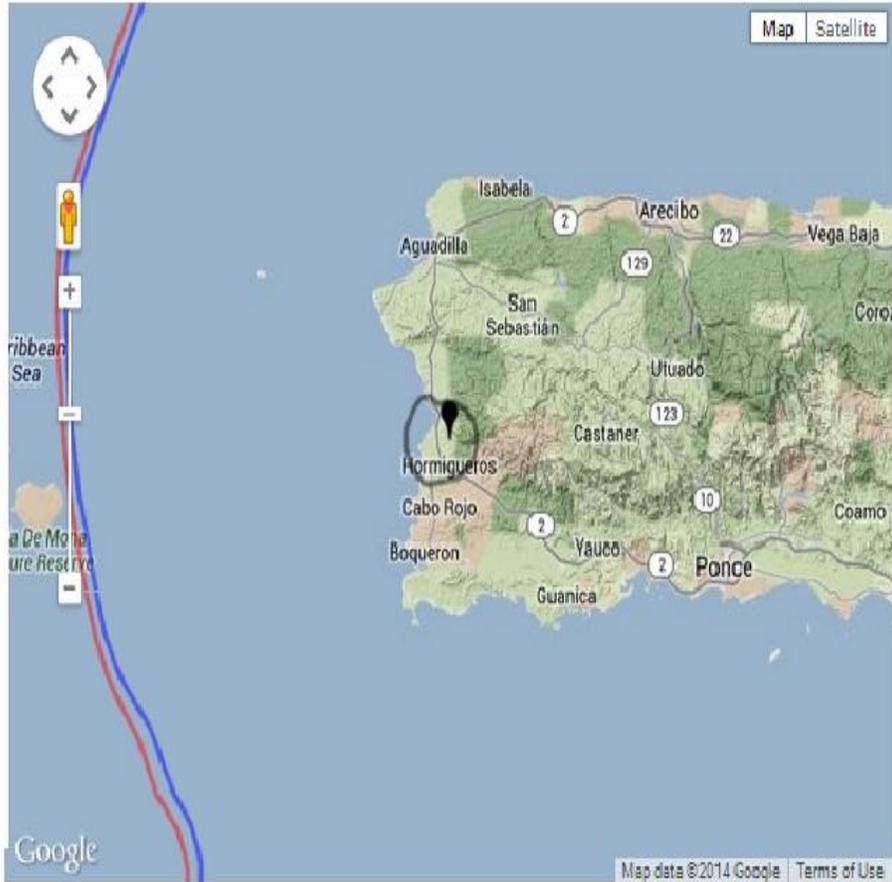
Overall Height Above Average Terrain (HAAT): -21 meters
 (based on a tower height of 9 meters above ground level)

Effective Radiated Power (ERP): 0.1 kW

Estimated HAAT & contour size in each direction

Azi	HAAT	km	Azi	HAAT	km	Azi	HAAT	km	Azi	HAAT	km
0	4.7	5.66	90	-237.9	5.66	180	22.6	5.66	270	54.6	8.32
10	-0.5	5.66	100	-309.6	5.66	190	33.5	5.91	280	54.5	8.31
20	-54.6	5.66	110	-145.4	5.66	200	40.0	6.44	290	54.7	8.33
30	-51.8	5.66	120	-78.6	5.66	210	48.4	7.12	300	54.8	8.34
40	-50.0	5.66	130	-18.5	5.66	220	55.6	7.66	310	54.5	8.31
50	-149.0	5.66	140	4.3	5.66	230	50.4	8.00	320	52.8	8.19
60	-164.8	5.66	150	8.2	5.66	240	53.1	8.21	330	53.5	7.90
70	-221.4	5.66	160	-0.1	5.66	250	53.9	8.27	340	24.2	5.66
80	-274.9	5.66	170	13.1	5.66	260	54.5	8.31	350	24.7	5.66

Interference Report - channel 256



Call Sign	Community	Chan Class	Dist	Min Req'd	ERP	Effective HAAT	Max Interf. Contour	Est. Field Strength
WPRM-FM	SAN JUAN PR	256B	114.1	112	26	489.5	34	51.628
WPRM-FM	SAN JUAN PR	256B	114.1	112	26	488.5	34	50.932

DETERMINATION Results

Structure does not require registration. There are no airports within 8 kilometers (5 miles) of the coordinates you provided.

Your Specifications

NAD83 Coordinates

Latitude 18-10-32.5 north

Longitude 067-07-39.8 west

Measurements (Meters)

Overall Structure Height (AGL) 10

Support Structure Height (AGL) 10

Site Elevation (AMSL) 56

Structure Type

POLE - Any type of Pole