

## EXHIBIT 1

### Grid Preclusion Showing for Channel 227D

The licensed operation of FM Translator W227AQ is already located in the Commission's Burlington-Plattsburgh Arbitron market grid, and this application for modification of the translator facilities would not change the location of the translator site. This Exhibit demonstrates that the proposed operation of W227AQ would not preclude any protected LPFM filing opportunities in the Burlington-Plattsburgh market.

Because the Burlington-Plattsburgh Arbitron market is designated as spectrum available, for operation on Channel 227D it is necessary to consider the LPFM channel availabilities on the grids for Channels 225 through 229 for this application. The LPFM channel index for the Burlington-Plattsburgh market shown in Figure 1 of this Exhibit indicates there are no LPFM filing opportunities on any of these channels.

The Arbitron market index in Figure 1 is based on the Commission's records of December 2012. This Exhibit updates the grid studies to show that due to existing FM stations, there are still no LPFM filing opportunities on the Burlington-Plattsburgh grid on Channel 227 or the first- and second-adjacent channels

Figure 2 of this Exhibit shows the outline of the Burlington-Plattsburgh Arbitron market grid, and demonstrates with circular arcs that there are existing FM stations that preclude a new LPFM station at any point on the grid, on all five of the pertinent channels.

A new LPFM station on Channel 225 would need to be located 130 kilometers from WEZF(FM), Burlington, Vermont, on Channel 225C; an LPFM station on Channel 226 would need to be 120 kilometers from WEZF(FM); and an LPFM station on Channel 227 would need to be 93 kilometers from WEZF(FM). As the Arbitron market grid falls entirely within the shortest of these distances, there are no LPFM grid points on Channels 225, 226 and 227.

Additionally, a new LPFM station on Channel 228 would need to be 67 kilometers from WIFY(FM), Addison, Vermont, on Channel 229C3; and an LPFM station on Channel 229 would need to be 78 kilometers from WIFY(FM). Again, as the entire Arbitron market grid lies within the shortest of these distances, there are no LPFM grid points on Channels 228 and 229.

EXHIBIT 1 (continued)

Grid Preclusion Showing for Channel 227D

Data for the FM stations, including the applicable distance separation requirements, are provided in Table A of this Exhibit.

The proposed translator site is spaced at least 39 kilometers from all other Arbitron market grids, so a preclusion showing with respect to any other market is not required.

Since the Burlington-Plattsburgh Arbitron market is not spectrum-limited and is not a top-50 market, it is not necessary to show that an alternate LPFM frequency remains for use at the translator site.

Fred W. Volken  
Engineering Consultant

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Sierra Madre, California

# EXHIBIT 1 (continued)

## Grid Preclusion Showing for Channel 227D

FIGURE 1

### LPFM Channel Index for Burlington-Plattsburgh Arbitron Market

MICRO\_BURLINGTONPLATTSBURGH04301140

Burlington-Plattsburgh  
 Latitude 44-28-33  
 Longitude 073-12-45  
 Grid Size 31 x 31  
 Micro FM 100 watts at 30m HAAT  
 Co-Channel and 1st Adjacent Protected  
 2nd Adjacent Channel Protected  
 3rd Adjacent Channel Not Protected  
 I.F. Not Protected  
 TV Channel 6 Protected  
 CP Records Protected  
 APP Records Protected  
 FM Translators Protected  
 TV Channel 6 Translators/LP Protected  
 Auc83 FX App Records Protected

Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail
200	0	220	0	240	0	260	0	280	94
201	0	221	0	241	0	261	0	281	0
202	0	222	150	242	0	262	0	282	0
203	0	223	0	243	0	263	85	283	0
204	0	224	0	244	0	264	0	284	0
205	0	225	0	245	0	265	0	285	0
206	0	226	0	246	0	266	0	286	0
207	0	227	0	247	0	267	0	287	0
208	0	228	0	248	0	268	0	288	97
209	0	229	0	249	0	269	0	289	0
210	0	230	0	250	0	270	0	290	0
211	0	231	0	251	0	271	0	291	0
212	0	232	1	252	11	272	0	292	0
213	0	233	5	253	0	273	23	293	0
214	0	234	17	254	0	274	46	294	0
215	0	235	22	255	0	275	0	295	0
216	0	236	0	256	0	276	0	296	0
217	0	237	0	257	0	277	0	297	59
218	0	238	0	258	0	278	0	298	0
219	0	239	0	259	0	279	17	299	0
								300	0

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 Total 627

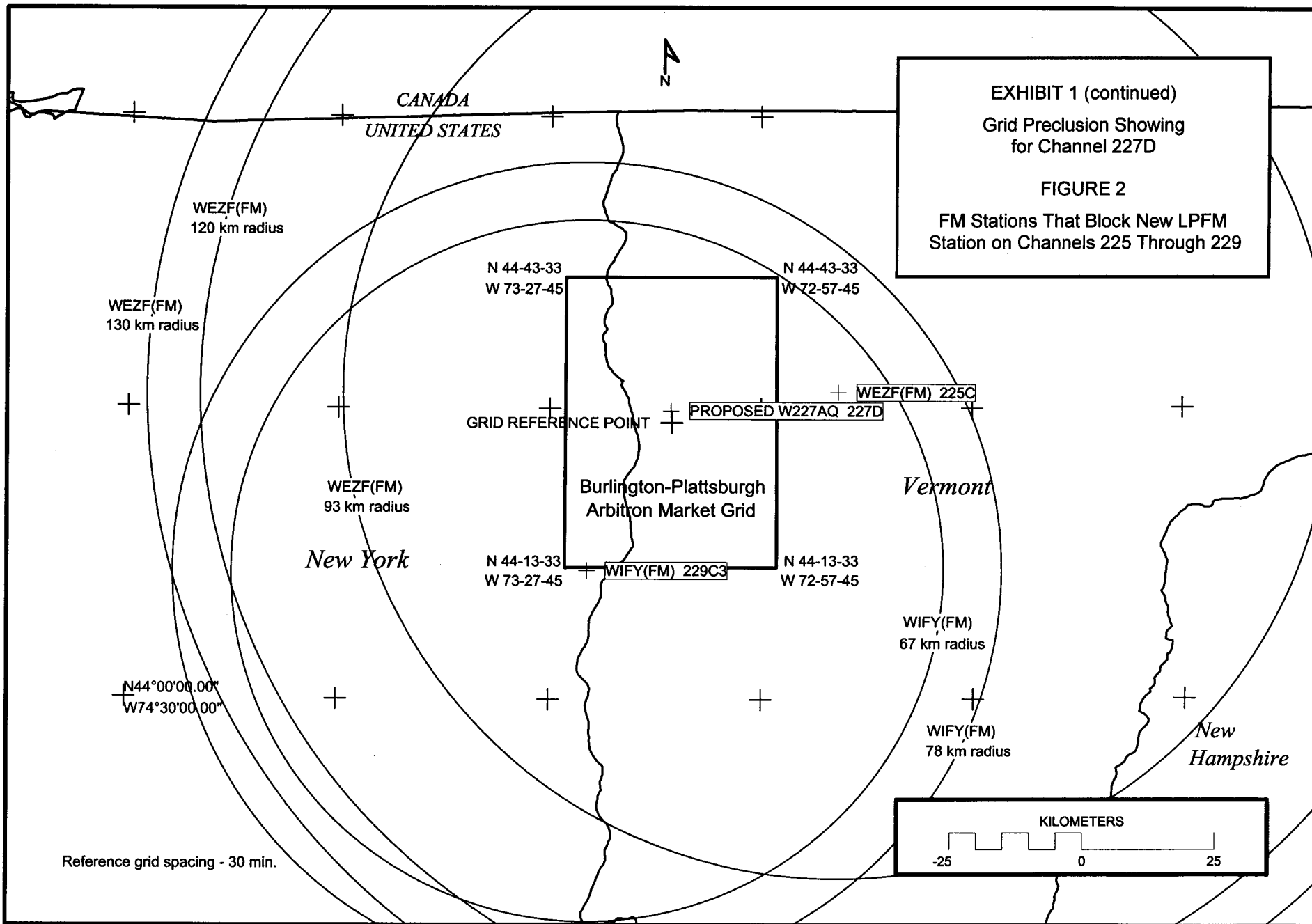


EXHIBIT 1 (continued)

Grid Preclusion Showing for Channel 227D

TABLE A

FM Stations That Block LPFM Station on  
Channels 225 Through 229 in  
Burlington-Plattsburgh Arbitron Market Grid

LPFM Channel	FM Stations Ruling Out LPFM Station			
	Channel and Class	Station and Location, Status, File Number	Geographical Coordinates	Required Separation for LPFM Station
225L100	225C	WEZF(FM), Burlington, VT License BLH-19881011KF	N 44° 31' 40" W 72° 48' 58"	130 km
226L100	225C	WEZF(FM), Burlington, VT License BLH-19881011KF	N 44° 31' 40" W 72° 48' 58"	120 km
227L100	225C	WEZF(FM), Burlington, VT License BLH-19881011KF	N 44° 31' 40" W 72° 48' 58"	93 km
228L100	229C3	WIFY(FM), Addison, VT License BLH-20050801BHI	N 44° 23' 15" W 73° 24' 37"	67 km
229L100	229C3	WIFY(FM), Addison, VT License BLH-20050801BHI	N 44° 23' 15" W 73° 24' 37"	78 km