

EXHIBIT 1

LOUISVILLE, KY CH 222 APPLICATION – BNPFT-20030317MMS LPFM NON-PRECLUSION STUDY and REQUEST FOR MATTOON WAIVER

The Louisville, KY channel 222 application is amended to a new site and ERP as a fill in for AM station WIEL (facility ID # 19355) at Elizabethtown, KY. The new site is beyond the 39 km LPFM preclusion radius to the Louisville, KY 20X20 “spectrum limited” grid. (see exhibit 1A). In accordance with the Commission’s notice (DA 13-427) this short form amendment and LPFM non-preclusion showing are submitted. A request for a “Mattoon Waiver” is included in the technical report at exhibit 12.

LPFM grid points test:

The co-channel 39 km preclusion circle does encompass any portion of the Louisville, KY grid. The LPFM6 output included below shows there are protected channel 222, 223 and 224 channel points in the grid. The channel 222 points are the only ones relevant.

The proposed site is in Hardin County, KY and is not in the Louisville, KY ARB metro market. Therefore, an LPFM site test is not required. However, in an abundance of caution the Commission’s LPFM channel finder tool was utilized at the site and indicates a total of ten LPFM channels are available for assignment there ignoring 2nd adjacent channels and five if 2nd adjacent channels are protected.

It is concluded that the Louisville, KY channel 222 application as amended passes the grid test. It does not preclude any LPFM channel point in an Appendix A market.


Charles M. Anderson 04-16-2013

GRID TEST:

LOUISVILLE, KY

Latitude 38-15-15

Longitude 085-45-34

Grid Size 21 x 21

Micro FM 100 Watts at 30m HAAT

Co-Channel and 1st Adjacent Protected

2nd Adjacent Channel Not 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 Not Protected

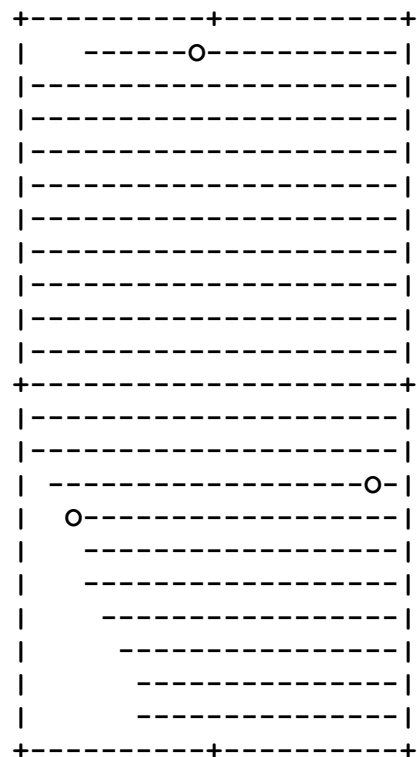
Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail
200	0	220	0	240	0	260	0	280	0
201	0	221	0	241	342	261	233	281	0
202	0	222	408	242	0	262	0	282	0
203	0	223	75	243	0	263	0	283	0
204	0	224	12	244	0	264	0	284	0
205	0	225	0	245	119	265	53	285	0
206	0	226	0	246	330	266	0	286	0
207	0	227	0	247	0	267	0	287	0
208	0	228	4	248	0	268	0	288	0
209	0	229	0	249	0	269	0	289	0
210	0	230	0	250	0	270	113	290	0
211	26	231	0	251	5	271	0	291	0
212	0	232	0	252	57	272	0	292	150
213	0	233	0	253	191	273	0	293	438
214	0	234	0	254	0	274	31	294	0
215	0	235	0	255	0	275	0	295	0
216	0	236	0	256	0	276	0	296	0
217	0	237	10	257	115	277	0	297	197
218	0	238	0	258	0	278	0	298	0
219	0	239	0	259	0	279	0	299	0
								300	0

Total 2909

Total allotments, least preclusive spacing: 40

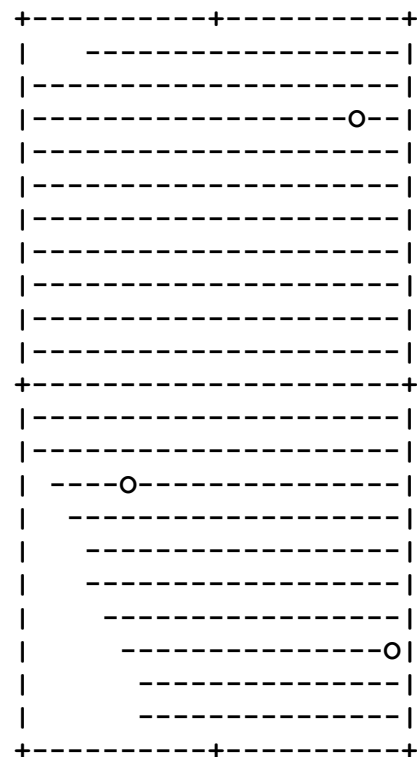
Total allotments, most preclusive spacing: 24

LOUISVILLE, KY
Latitude 38-15-15
Longitude 085-45-34
Least preclusive siting
Availability of Channel 222 (X)



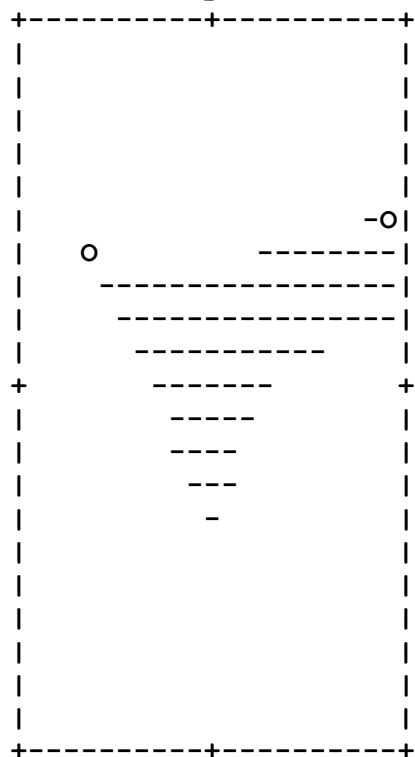
Point #252 at 38-25-15 085-46-34
Point #385 at 38-11-15 085-53-34
Point #029 at 38-12-15 085-36-34

LOUISVILLE, KY
Latitude 38-15-15
Longitude 085-45-34
Most preclusive siting
Availability of Channel 222 (X)



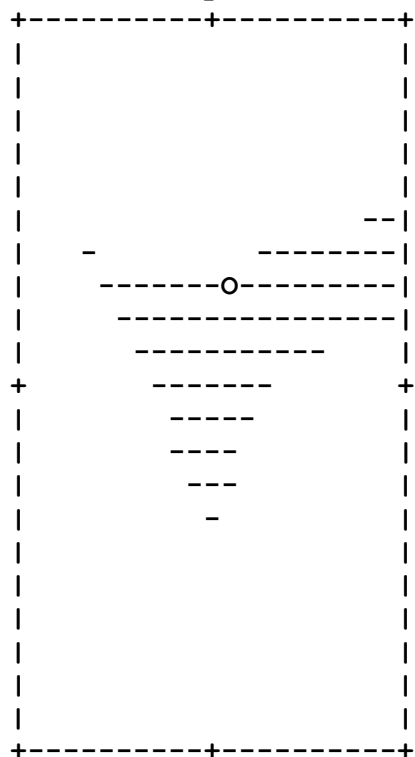
Point #323 at 38-12-15 085-50-34
Point #061 at 38-23-15 085-37-34
Point #003 at 38-07-15 085-35-34

LOUISVILLE, KY
 Latitude 38-15-15
 Longitude 085-45-34
 Least preclusive siting
 Availability of Channel 223 (X)



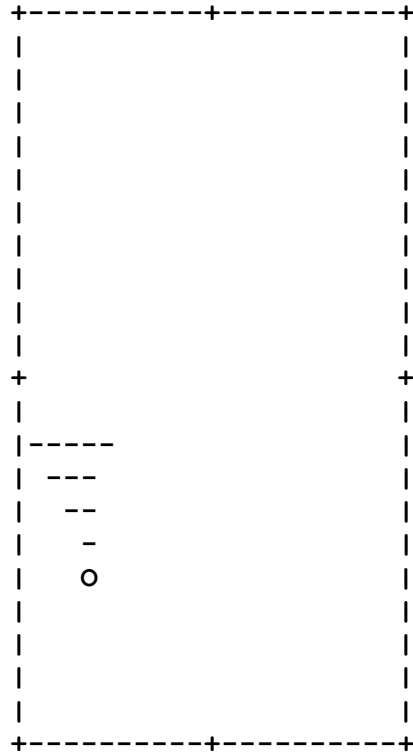
Point #016 at 38-20-15 085-35-34
 Point #372 at 38-19-15 085-52-34

LOUISVILLE, KY
 Latitude 38-15-15
 Longitude 085-45-34
 Most preclusive siting
 Availability of Channel 223 (X)



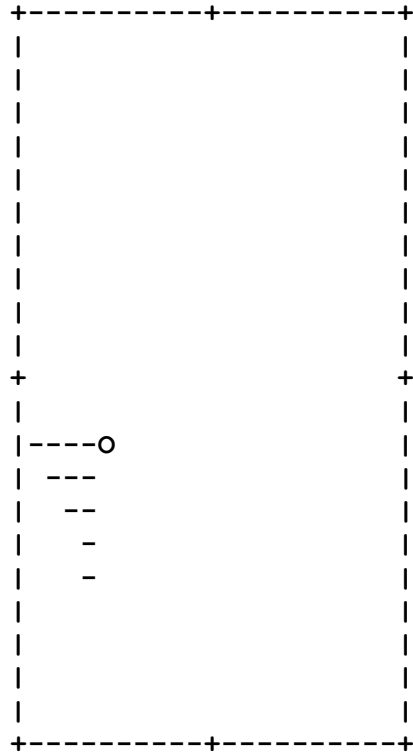
Point #203 at 38-18-15 085-44-34

LOUISVILLE, KY
 Latitude 38-15-15
 Longitude 085-45-34
 Least preclusive siting
 Availability of Channel 224 (X)

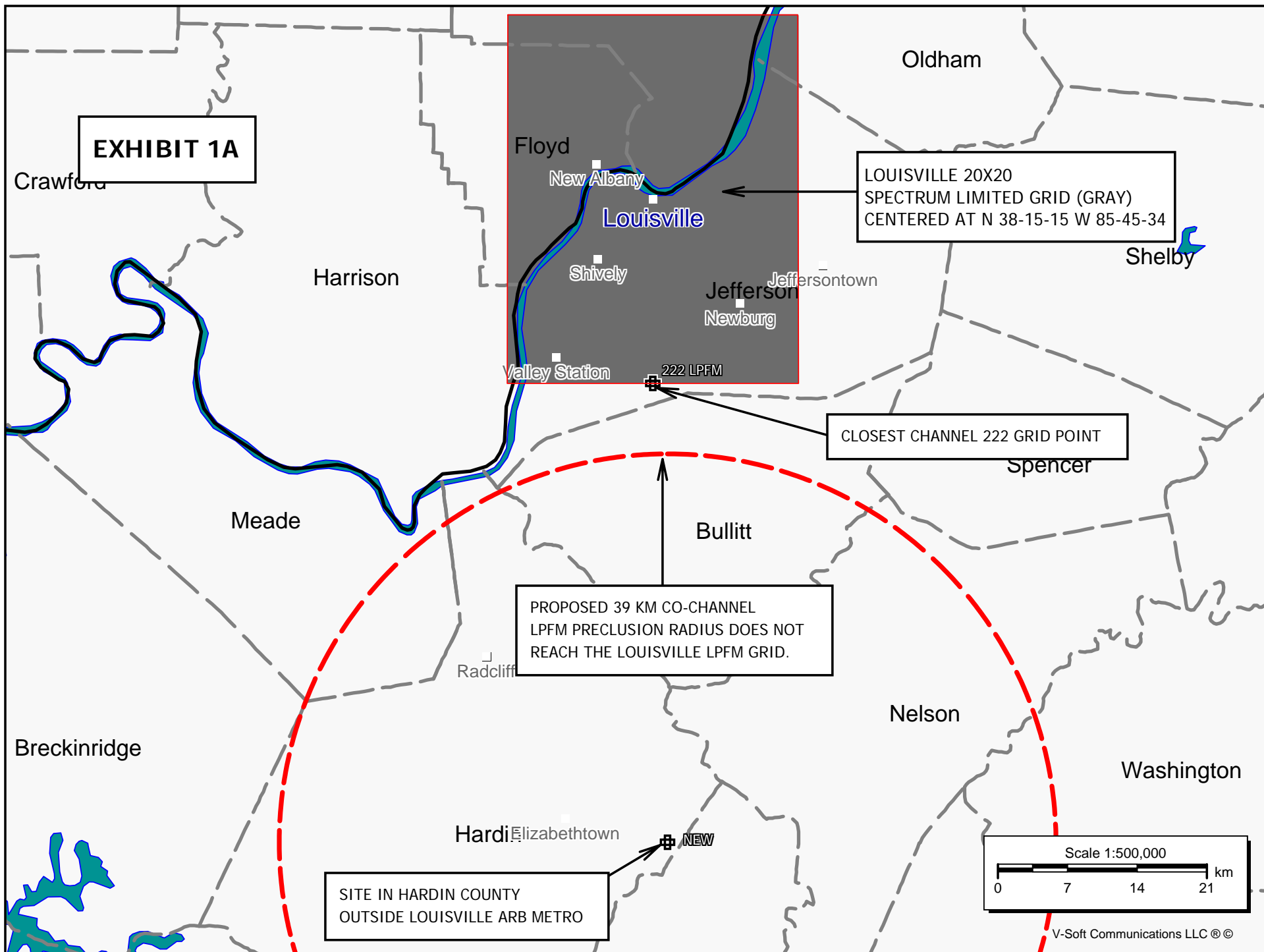


Point #362 at 38-09-15 085-52-34

LOUISVILLE, KY
 Latitude 38-15-15
 Longitude 085-45-34
 Most preclusive siting
 Availability of Channel 224 (X)



Point #345 at 38-13-15 085-51-34





Audio Division

Low Power FM (LPFM) Channel Finder

(202)-418-2700

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[FCC site map](#)

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EXCLUDES second-adjacent channel spacings
EXCLUDES intermediate frequency (I.F.) spacings

Input options:

Latitude, Longitude: 37° 40' 21", 85 44' 34"

Google Map: [5.6 km radius \(approximate 60 dBu service contour coverage\)](#)



CONDITIONAL. The requested latitude and longitude meet the PROPOSED LPFM spacing requirements for one or more second adjacent and/or intermediate frequency (I.F.) channels.

These proposed spacing rules are not yet in effect.

Channels Available for LPFM LP100 Stations **[Channels 201 to 300, [corresponding to 88.1 to 107.9 MHz](#)]**

Channel	234	----	94.7	MHz
Channel	241	----	96.1	MHz
Channel	242	----	96.3	MHz
Channel	244	----	96.7	MHz
Channel	245	----	96.9	MHz
Channel	250	----	97.9	MHz
Channel	270	----	101.9	MHz
Channel	271	----	102.1	MHz
Channel	291	----	106.1	MHz
Channel	293	----	106.5	MHz



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[FCC site map](#)

Tue Apr 16 10:59:23 2013

EXCLUDES intermediate frequency (I.F.) spacings
INCLUDES second-adjacent channel spacings

Input options:

Latitude, Longitude: 37° 40' 21", 85 44' 34"

Google Map: [5.6 km radius \(approximate 60 dBu service contour coverage\)](#)



CONDITIONAL. The requested latitude and longitude meet the PROPOSED LPFM spacing requirements for one or more intermediate frequency (I.F.) channels.

These proposed spacing rules are not yet in effect.

Channels Available for LPFM LP100 Stations **[Channels 201 to 300, [corresponding to 88.1 to 107.9 MHz](#)]**

Channel 242	----	96.3 MHz
Channel 244	----	96.7 MHz
Channel 245	----	96.9 MHz
Channel 271	----	102.1 MHz
Channel 291	----	106.1 MHz
Channel 293	----	106.5 MHz