

EXHIBIT 1

BRISTOL, TN BNPFT-20030317MRL SHORT FORM AMENDMENTS LPFM NON-PRECLUSION STUDY

Minor amendments are proposed to the Bristol, TN channel 234 translator application BNPFT-20030317MRL including channel (+53), site and antenna. In accordance with the Commission's notice (DA 13-1170) this short form amendment and LPFM non-preclusion showing are submitted with respect to spectrum available market Johnson City-Kingsport-Bristol.

LPFM grid points test:

As the LPFM6 output included below shows, there are no points on channels 285, 289 or 290 in the Johnson City- Kingsport-Bristol 30X30 spectrum available grid. There are channel 286, 287 and 288 protected LPFM channel points. Exhibit 1A attached shows that the proposed channel 287 co-channel 32 km radius and the channels 286 and 288 1st adjacent 21 km preclusion radii do not reach the closest points identified below. The 32 and 21 km distances are based on §73.807(d)(1) and the 0.250 kW and 77meters 12 radial HAAT which produces a 60 dBu of 11.37 meters (see HAAT calculation included herein).

LPFM site test:

No site test is required since this application is in a "spectrum available" market.

It is concluded that the amended Bristol application passes the grid test. It does not preclude any LPFM channel point in the Johnson City- Kingsport-Bristol Appendix A market.



Charles M. Anderson 6-05-2013

HAAT Tabulation:

N. Lat. = 36-35-45 W. Lng. = 82-09-42
HAAT and Distance to Contour,
FCC, FM 2-10 Miles, 51 points Method - FCC 30 SEC

Azi.	AV EL	HAAT	dBk	60-F5
000	623.6	14.4	-6.02	7.09
030	608.1	29.9	-6.02	7.09
060	604.0	34.0	-6.02	7.49
090	556.3	81.7	-6.02	11.68
120	549.2	88.8	-6.02	12.15
150	541.7	96.3	-6.02	12.63
180	511.1	126.9	-6.02	14.46
210	487.2	150.8	-6.02	15.95
240	515.1	122.9	-6.02	14.23
270	571.6	66.4	-6.02	10.64
300	582.2	55.8	-6.02	9.83
330	583.1	54.9	-6.02	9.75

Ave El= 561.10 M HAAT= 76.90 M AMSL= 638 M

Grid test:

JOHNSON CITY-KINGSPORT-BRISTOL, TN

Latitude 36-18-48

Longitude 082-21-13

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	40	280	0
201	0	221	111	241	0	261	177	281	0
202	0	222	2	242	59	262	112	282	2
203	0	223	0	243	0	263	86	283	281
204	0	224	0	244	0	264	0	284	29
205	0	225	0	245	0	265	51	285	0
206	0	226	0	246	0	266	0	286	30
207	0	227	0	247	0	267	0	287	402
208	0	228	0	248	81	268	0	288	289
209	0	229	0	249	2	269	0	289	0
210	0	230	0	250	63	270	0	290	0
211	0	231	63	251	0	271	49	291	0
212	0	232	305	252	0	272	0	292	299
213	0	233	0	253	0	273	0	293	0
214	0	234	0	254	0	274	0	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	0	257	0	277	3	297	0
218	0	238	80	258	0	278	196	298	267
219	0	239	0	259	0	279	0	299	164
								300	51

Total 3294

Total allotments, least preclusive spacing: 53

Total allotments, most preclusive spacing: 40

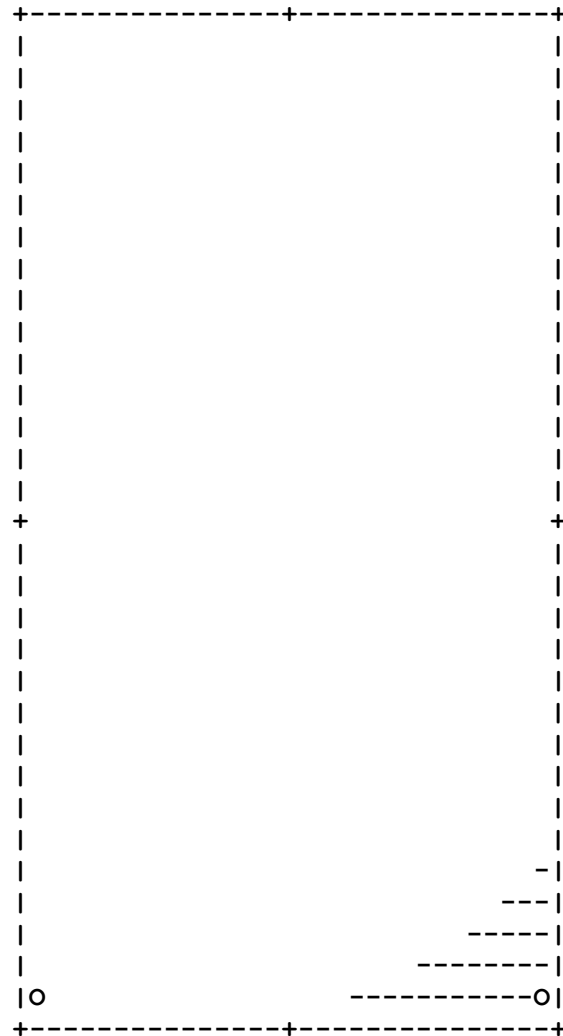
JOHNSON CITY-KINGSPORT

Latitude 36-18-48

Longitude 082-21-13

Least preclusive siting

Availability of Channel 286 (X)



Point #931 at 36-03-48 082-36-13
Point #001 at 36-03-48 082-06-13

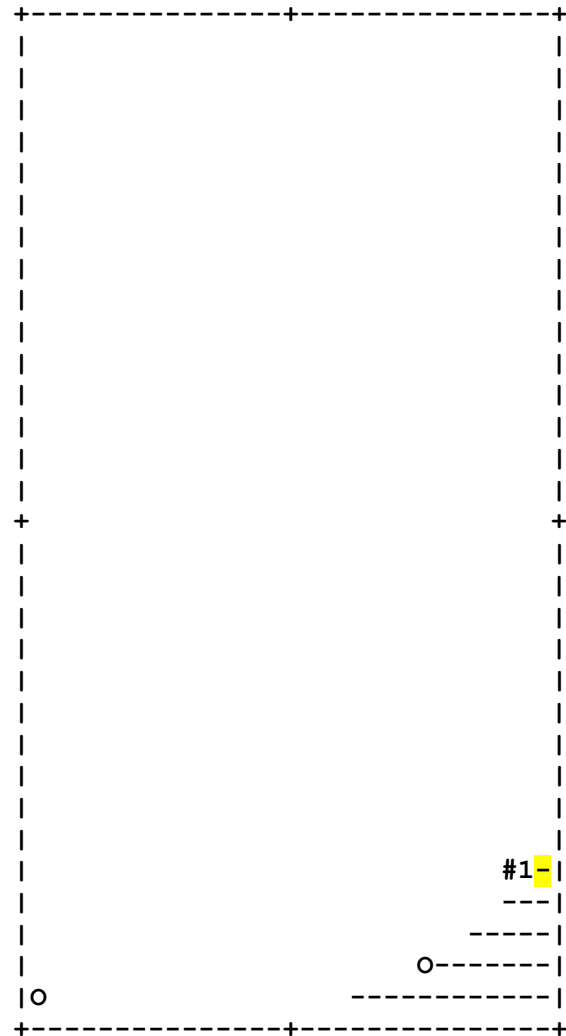
JOHNSON CITY-KINGSPORT

Latitude 36-18-48

Longitude 082-21-13

Most preclusive siting

Availability of Channel 286 (X)



Point #219 at 36-04-48 082-13-13
Point #931 at 36-03-48 082-36-13

Point #1 = N 36-07-06-13

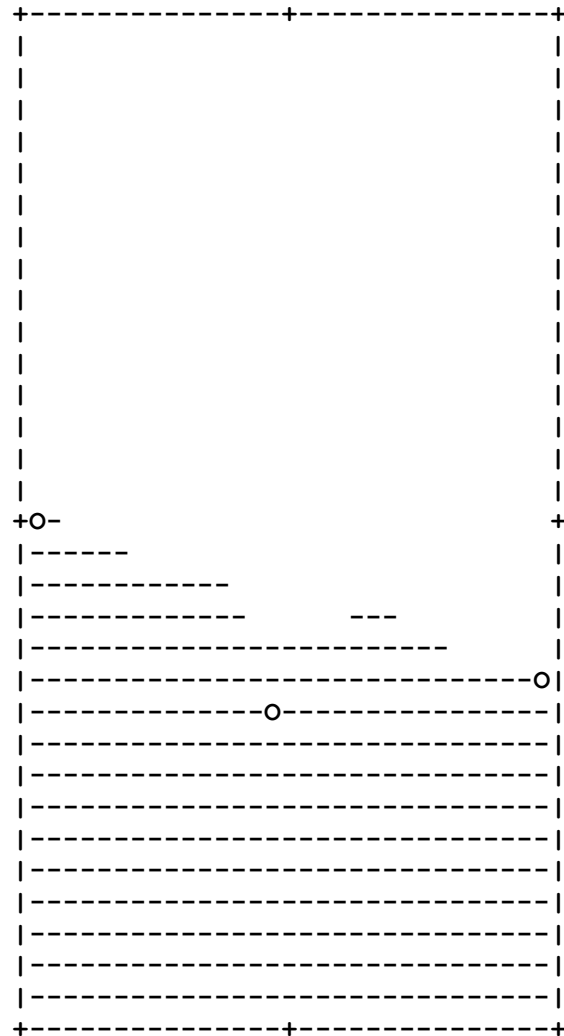
JOHNSON CITY-KINGSPORT

Latitude 36-18-48

Longitude 082-21-13

Least preclusive siting

Availability of Channel 287 (X)



Point #011 at 36-13-48 082-06-13
 Point #946 at 36-18-48 082-36-13
 Point #506 at 36-12-48 082-22-13

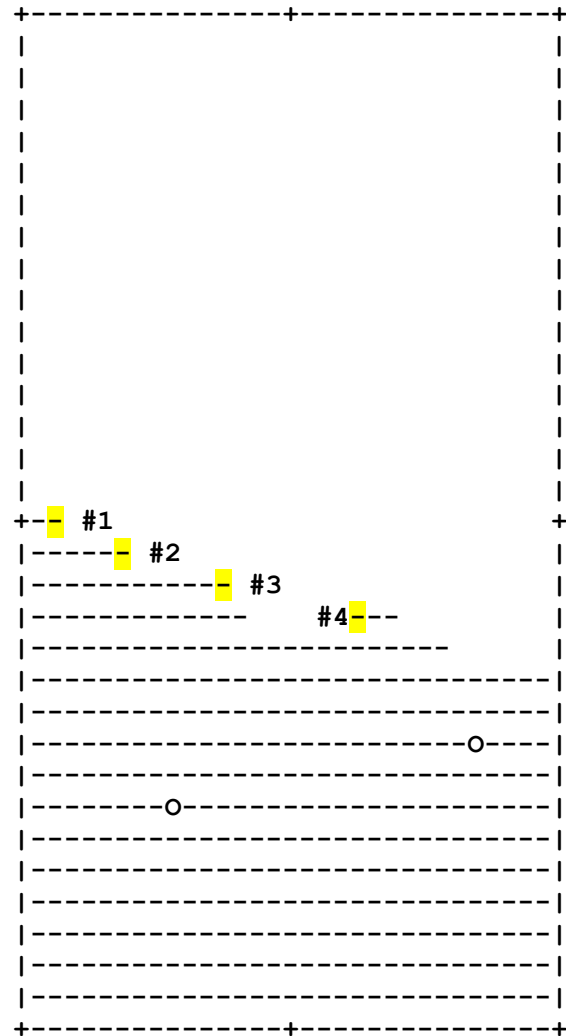
JOHNSON CITY-KINGSPORT

Latitude 36-18-48

Longitude 082-21-13

Most preclusive siting

Availability of Channel 287 (X)



Point #689 at 36-09-48 082-28-13
 Point #133 at 36-11-48 082-10-13

Point#1 = N 36-18-48 W 82-35-13
 Point#2 = N 36-17-48 W 82-31-13
 Point#3 = N 36-16-48 W 82-25-13
 Point#4 = N 36-15-48 W 82-17-13

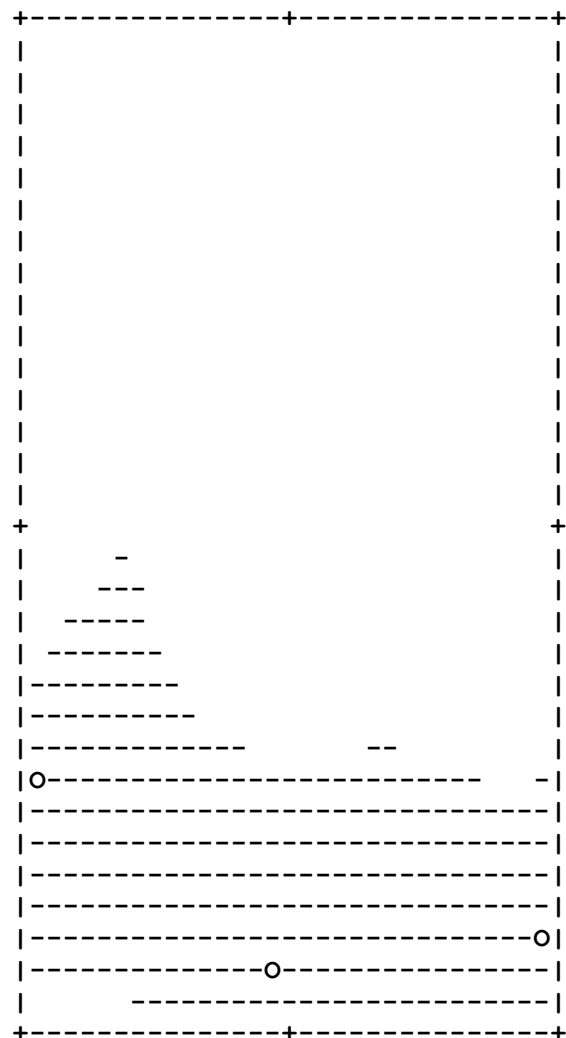
JOHNSON CITY-KINGSPORT

Latitude 36-18-48

Longitude 082-21-13

Least preclusive siting

Availability of Channel 288 (X)



Point #003 at 36-05-48 082-06-13
 Point #938 at 36-10-48 082-36-13
 Point #498 at 36-04-48 082-22-13

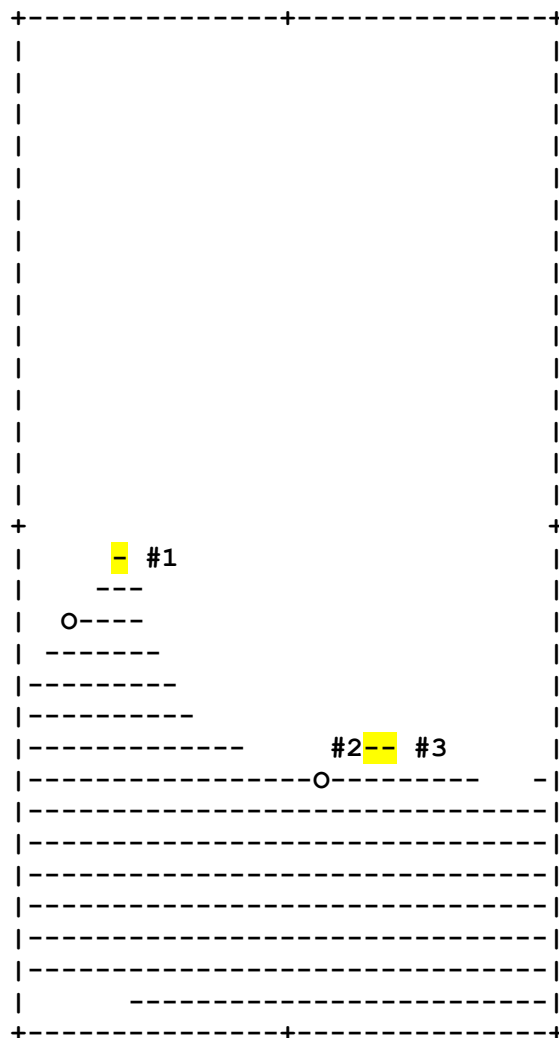
JOHNSON CITY-KINGSPORT

Latitude 36-18-48

Longitude 082-21-13

Most preclusive siting

Availability of Channel 288 (X)



Point #411 at 36-10-48 082-19-13
 Point #881 at 36-15-48 082-34-13

Point#1 = N 36-17-48 W 82-31-13
 Point#2 = N 36-11-48 W 82-16-13
 Point#3 = N 36-11-48 W 82-15-13

EXHIBIT 1A LPFM PRECLUSION PLOT

MURRAY 287

Latitude: 36-35-45 N
Longitude: 082-09-42 W
ERP: 0.25 kW
Channel: 287
Frequency: 105.3 MHz
AMSL Height: 638.0 m
Elevation: 549.0 m
Horiz. Pattern: Omni

286, 288 1ST ADJ. LPFM RADIUS = 21 KM

287 LPFM RADIUS = 32 KM

CLOSEST LPFM CHANNEL POINTS

#1 286 N 36-07-48 W 82-06-13

#1 287 N 36-18-48 W 82-35-13

#2 287 N 36-17-48 W 82-31-13

#3 287 N 36-16-48 W 82-25-13

#4 287 N 36-15-48 W 82-17-13

#1 288 N 36-17-48 W 82-31-13

#2 288 N 36-11-48 W 82-16-13

#3 288 N 36-11-48 W 82-15-13

TRI-CITIES 30X30 GRID (GRAY)
CENTERED AT N 36-18-48 W 82-21-13

Scale 1:400,000

0 5 10 15 km

