

Exhibit 1

Ted A McCall
P O Box 2115
Easley, SC 29641-2115

Low Power FM Preclusion Showing for Channel 271 Greenville, SC Market

Ted A McCall is making a minor change to his Auction 83 tech box proposal for file # BNPFT20030317GOZ Fac ID 156073 for Greenville, SC. The next nearest other market grid point is the south west corner of the Ashville, NC Market, which is over 39 km away. The Greenville, SC market is **not** spectrum limited and therefore does not require a Top-50 Transmitter Site Test.

Below is the Preclusion Showing for the proposed site on Channel 271. The proposed facility will have an ERP of 0.032 kwatts at 280 meters HAAT. This will produce a 60 dBu contour extending 13.012 km from the transmitter site. There are no LPFM protected grid points on channels 271, 272, and 273 in the Greenville, SC market Grid.

1st adjacent channel 270 requires a separation of 21 km for this class of FM translator. As shown on the ComStudy map and distance separation report for the proposed site, this application does not preclude the use of any protected grid point on channel 270. The nearest LPFM protected point (#851) has a separation of 21.57 km.

2nd adjacent channel 269 requires a separation of 14 km for this class of FM translator. As shown on the ComStudy map and distance separation report for the proposed site, this application does not preclude the use of any protected grid point on channel 269. The nearest LPFM protected point (#438) has a separation of 31.4 km.

**Audio Division**

(202)-418-2700

Antenna Height Above Average Terrain (HAAT) / Contour Calculations[FCC](#) > [MB](#) > [Audio Division](#) > [HAAT/Contour Calculations](#)[FCC site map](#)**Antenna Height Above Average Terrain Calculations -- Input**

Latitude **34 56 5.0 North**
Longitude **82 24 16.0 West** (NAD 27)

Height of antenna radiation center above mean sea level [RCAMSL] = **579.0** meters

Number of Evenly Spaced Radials = 12 0° is referenced to True North

Results:**Calculated HAAT= 280. meters**

(Antenna Height Above Average Terrain)
using the 30 second FCC/NGDC terrain data)

Antenna Radiation Center Heights Above Individual Radials:

0.0°	259.7 meters
30.0°	281.4 meters
60.0°	291.0 meters
90.0°	286.4 meters
120.0°	295.9 meters
150.0°	269.9 meters
180.0°	288.5 meters
210.0°	295.3 meters
240.0°	290.8 meters
270.0°	273.4 meters
300.0°	268.3 meters
330.0°	256.8 meters

[New Antenna Height Above Average Terrain \(HAAT\) calculation?](#)

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FM and TV Propagations Curves Calculations

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[FCC site map](#)

Results -- FM and TV Propagation Curves Calculations

Results of Calculation

Distance to Contour = 13.012 km

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[Back to Initial Selections](#)

For input data from Pages 1 and 2:

ERP entered = 0.032 kW

HAAT entered = 280.00 meters

Field Strength entered = 60.000 dBu

Find the Distance to the Contour, Given a Field Strength

F(50,50) curves for service contours

FM and NTSC analog TV Channels 2 through 6

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[Back to Initial Selections](#)

Comments on this program may be referred to [Dale Bickel](#)

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Greenville, SC
 Latitude 34-51-09
 Longitude 082-23-39
 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	0
201	0	221	0	241	15	261	0	281	0
202	0	222	0	242	21	262	0	282	35
203	0	223	0	243	0	263	0	283	0
204	0	224	0	244	0	264	0	284	0
205	0	225	0	245	0	265	0	285	18
206	0	226	0	246	154	266	0	286	43
207	0	227	0	247	87	267	0	287	0
208	0	228	0	248	211	268	0	288	0
209	0	229	0	249	0	269	50	289	0
210	0	230	0	250	0	270	25	290	0
211	0	231	0	251	0	271	0	291	0
212	0	232	0	252	0	272	0	292	0
213	0	233	0	253	0	273	0	293	0
214	0	234	0	254	0	274	0	294	43
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	0	297	0
218	0	238	19	258	110	278	0	298	0
219	0	239	6	259	0	279	0	299	0
								300	168

 Total 1005

Total allotments, least preclusive spacing: 27
 Total allotments, most preclusive spacing: 20

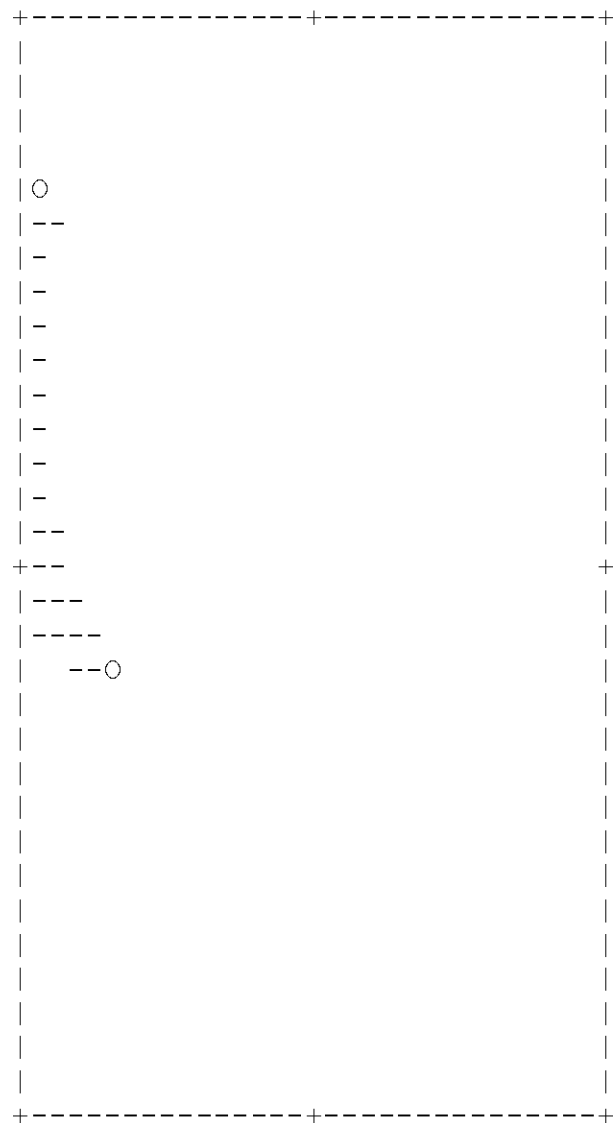
Greenville, SC

Latitude 34-51-09

Longitude 082-23-39

Least preclusive siting

Availability of Channel 270 (X)



Point #957 at 35-02-09 082-38-39

Point #819 at 34-48-09 082-34-39

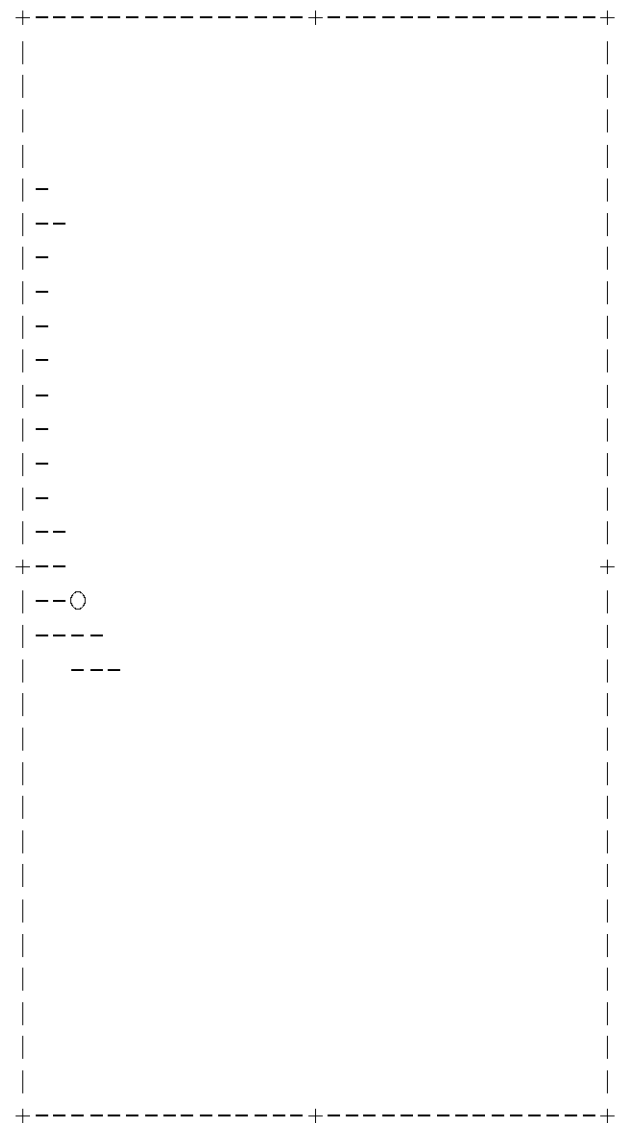
Greenville, SC

Latitude 34-51-09

Longitude 082-23-39

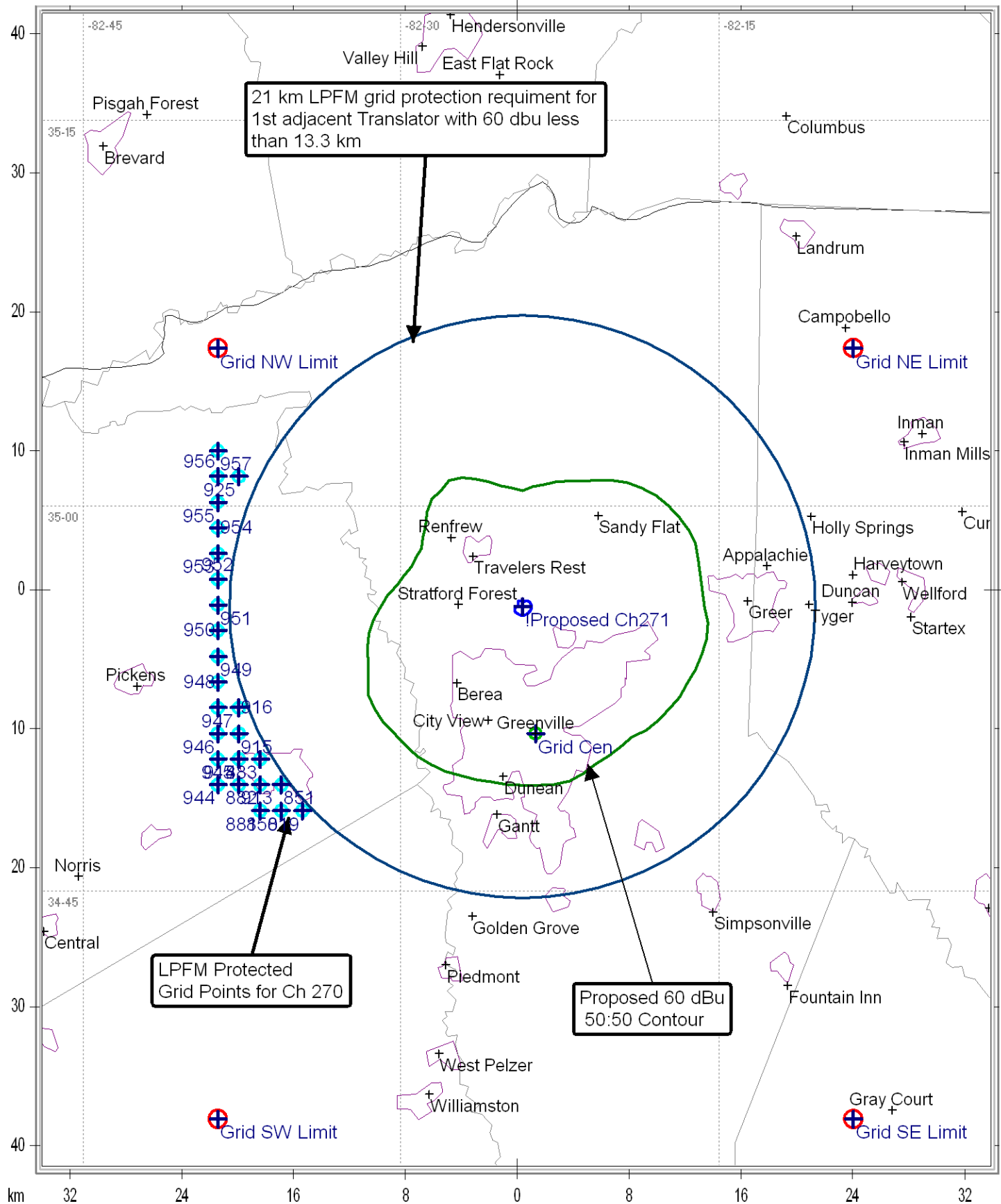
Most preclusive siting


Availability of Channel 270 (X)



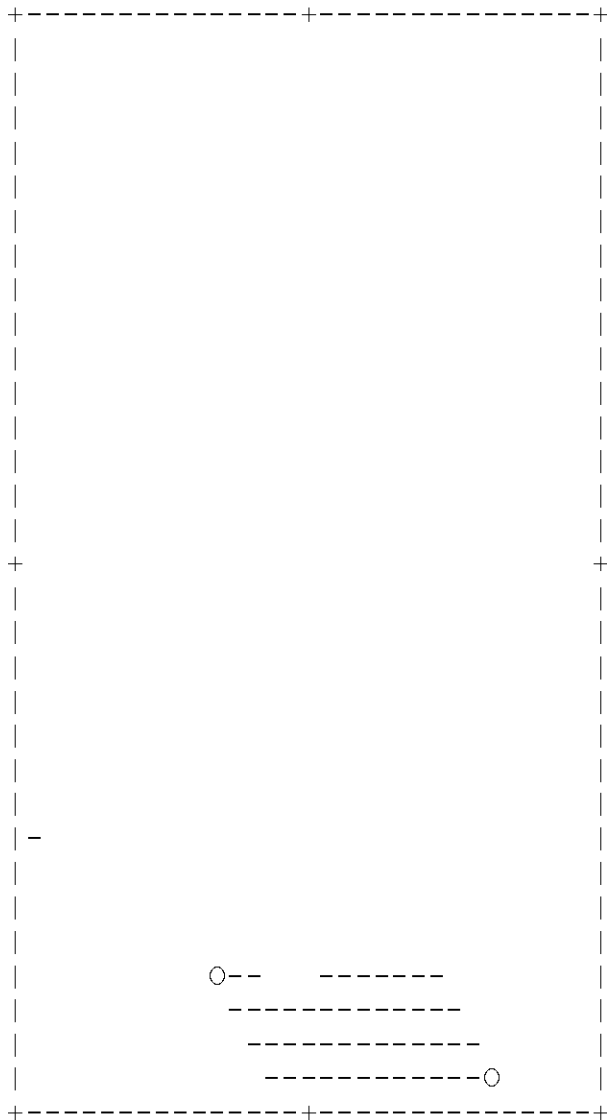
Point #883 at 34-50-09 082-36-39

Ch 270 LPFM Protected Grid Points Greenville, SC



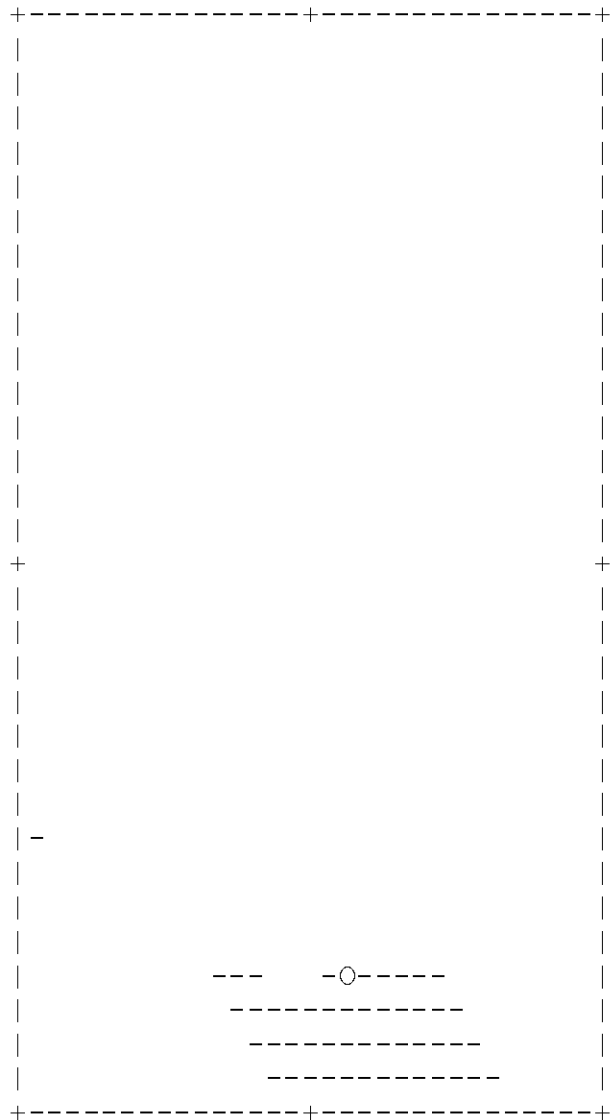
C Sign	City	FacID	Licensee	Lat	Lon	D 
I Proposed C	Greenville	0		34-56-05.0 N	82-24-16.0 W	0.00
Grid Cen		0		34-51-09.0 N	82-23-39.0 W	9.17
851		0	LP Protected Grid Point	34-49-09.0 N	82-35-39.0 W	21.57
819		0	LP Protected Grid Point	34-48-09.0 N	82-34-39.0 W	21.58
916		0	LP Protected Grid Point	34-52-09.0 N	82-37-39.0 W	21.65
883		0	LP Protected Grid Point	34-50-09.0 N	82-36-39.0 W	21.83
951		0	LP Protected Grid Point	34-56-09.0 N	82-38-39.0 W	21.90
950		0	LP Protected Grid Point	34-55-09.0 N	82-38-39.0 W	21.97
952		0	LP Protected Grid Point	34-57-09.0 N	82-38-39.0 W	21.99
949		0	LP Protected Grid Point	34-54-09.0 N	82-38-39.0 W	22.20
953		0	LP Protected Grid Point	34-58-09.0 N	82-38-39.0 W	22.23
915		0	LP Protected Grid Point	34-51-09.0 N	82-37-39.0 W	22.34
925		0	LP Protected Grid Point	35-01-09.0 N	82-37-39.0 W	22.42
948		0	LP Protected Grid Point	34-53-09.0 N	82-38-39.0 W	22.57
954		0	LP Protected Grid Point	34-59-09.0 N	82-38-39.0 W	22.62
850		0	LP Protected Grid Point	34-48-09.0 N	82-35-39.0 W	22.72
882		0	LP Protected Grid Point	34-49-09.0 N	82-36-39.0 W	22.81
947		0	LP Protected Grid Point	34-52-09.0 N	82-38-39.0 W	23.09
955		0	LP Protected Grid Point	35-00-09.0 N	82-38-39.0 W	23.15
914		0	LP Protected Grid Point	34-50-09.0 N	82-37-39.0 W	23.15
946		0	LP Protected Grid Point	34-51-09.0 N	82-38-39.0 W	23.74
956		0	LP Protected Grid Point	35-01-09.0 N	82-38-39.0 W	23.81
881		0	LP Protected Grid Point	34-48-09.0 N	82-36-39.0 W	23.90
913		0	LP Protected Grid Point	34-49-09.0 N	82-37-39.0 W	24.09
945		0	LP Protected Grid Point	34-50-09.0 N	82-38-39.0 W	24.51
957		0	LP Protected Grid Point	35-02-09.0 N	82-38-39.0 W	24.60
944		0	LP Protected Grid Point	34-49-09.0 N	82-38-39.0 W	25.39
Grid NW Lim		0		35-06-09.0 N	82-38-39.0 W	28.73
Grid NE Limi		0		35-06-09.0 N	82-08-39.0 W	30.18
Grid SW Lim		0		34-36-09.0 N	82-38-39.0 W	42.89
Grid SE Limi		0		34-36-09.0 N	82-08-39.0 W	43.89

Greenville, SC
Latitude 34-51-09
Longitude 082-23-39
Least preclusive siting
Availability of Channel 269 (X)



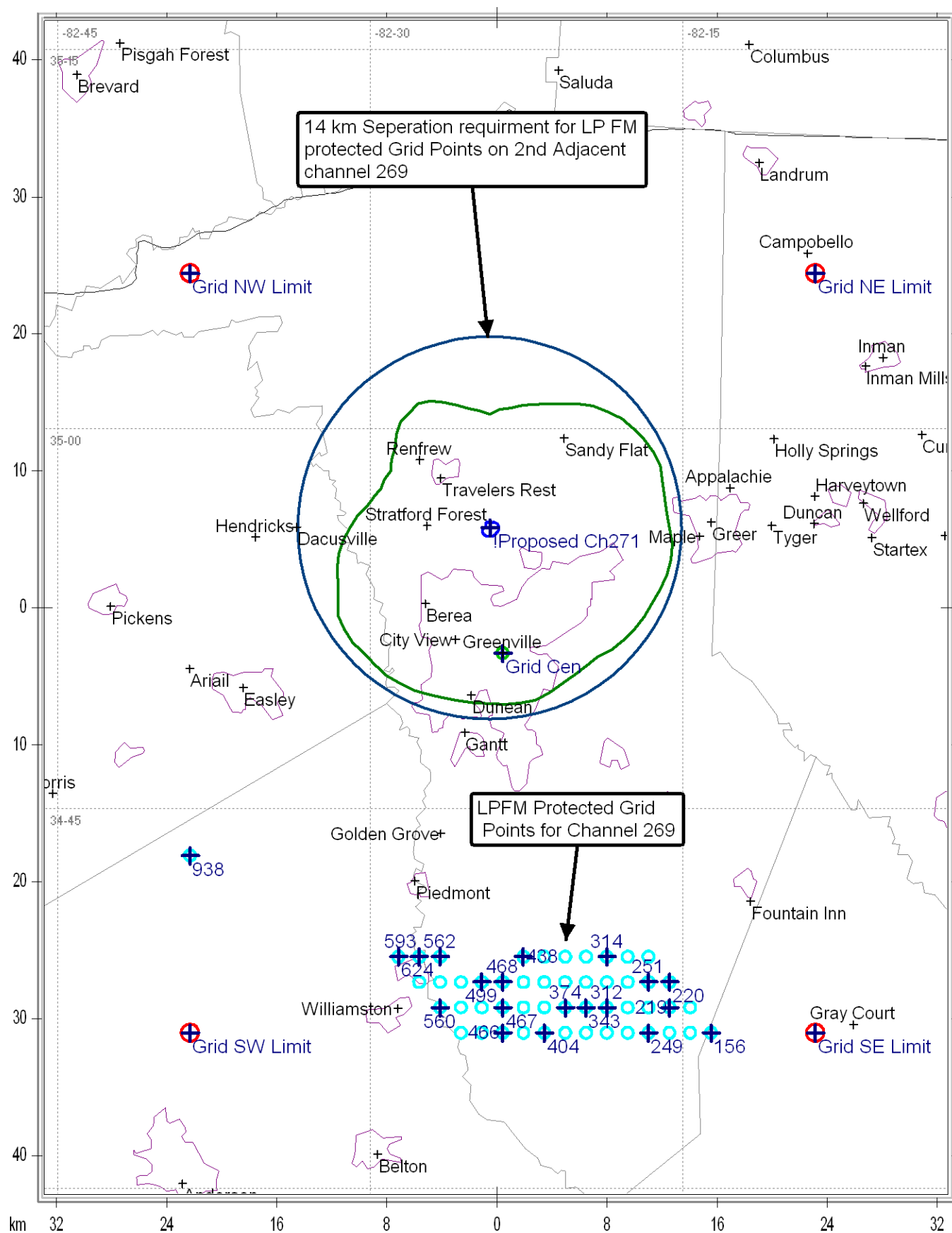
Point #624 at 34-39-09 082-28-39
Point #156 at 34-36-09 082-13-39


Greenville, SC
Latitude 34-51-09
Longitude 082-23-39
Most preclusive siting
Availability of Channel 269 (X)



Point #407 at 34-39-09 082-21-39

14 km Separation requirement for LP FM protected Grid Points on 2nd Adjacent channel 269



Call Sign	City	ERP	FacID	Licensee	Lat	Lon	D 
IProposed Ch2	Greenville	32.0	0		34-56-05.0 N	82-24-16.0 W	0.00
Grid Cen		10.0	0		34-51-09.0 N	82-23-39.0 W	9.17
Grid NW Limit		10.0	0		35-06-09.0 N	82-38-39.0 W	28.73
Grid NE Limit		10.0	0		35-06-09.0 N	82-08-39.0 W	30.18
438		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-22-39.0 W	31.40
562		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-26-39.0 W	31.52
407		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-21-39.0 W	31.56
593		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-27-39.0 W	31.73
376		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-20-39.0 W	31.79
624		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-28-39.0 W	32.01
345		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-19-39.0 W	32.09
938		10.0	0	LP Protected Grid Point	34-43-09.0 N	82-38-39.0 W	32.45
314		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-18-39.0 W	32.46
283		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-17-39.0 W	32.89
499		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-24-39.0 W	33.16
468		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-23-39.0 W	33.17
530		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-25-39.0 W	33.22
437		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-22-39.0 W	33.25
561		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-26-39.0 W	33.36
252		10.0	0	LP Protected Grid Point	34-39-09.0 N	82-16-39.0 W	33.39
406		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-21-39.0 W	33.40
592		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-27-39.0 W	33.56
375		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-20-39.0 W	33.61
344		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-19-39.0 W	33.90
313		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-18-39.0 W	34.25
282		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-17-39.0 W	34.66
498		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-24-39.0 W	35.01
467		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-23-39.0 W	35.02
529		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-25-39.0 W	35.07
436		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-22-39.0 W	35.09
251		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-16-39.0 W	35.13
560		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-26-39.0 W	35.19
405		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-21-39.0 W	35.23
374		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-20-39.0 W	35.44

220		10.0	0	LP Protected Grid Point	34-38-09.0 N	82-15-39.0 W	35.67
343		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-19-39.0 W	35.71
312		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-18-39.0 W	36.04
281		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-17-39.0 W	36.43
497		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-24-39.0 W	36.86
466		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-23-39.0 W	36.87
250		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-16-39.0 W	36.88
528		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-25-39.0 W	36.91
435		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-22-39.0 W	36.94
404		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-21-39.0 W	37.07
373		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-20-39.0 W	37.27
219		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-15-39.0 W	37.39
342		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-19-39.0 W	37.52
311		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-18-39.0 W	37.84
188		10.0	0	LP Protected Grid Point	34-37-09.0 N	82-14-39.0 W	37.96
280		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-17-39.0 W	38.21
249		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-16-39.0 W	38.64
218		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-15-39.0 W	39.13
187		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-14-39.0 W	39.67
156		10.0	0	LP Protected Grid Point	34-36-09.0 N	82-13-39.0 W	40.26
Grid SW Limit		10.0	0		34-36-09.0 N	82-38-39.0 W	42.89
Grid SE Limit		10.0	0		34-36-09.0 N	82-08-39.0 W	43.89
SE Grid Limit	Ashville NC Marke	10.0	0		35-21-03.0 N	82-18-15.0 W	47.06
SW Grid Limit A	Ashville NC Marke	10.0	0		35-21-03.0 N	82-48-15.0 W	58.80
Ashville Grid Ce	Ashville NC Marke	10.0	0		35-36-03.0 N	82-33-15.0 W	75.15

LPFM Protected Grid separation from Asheville, NC Market

