

**NEW - Orangeburg, SC - Proposed**

Latitude: 33-26-35 N / Longitude: 080-48-16 W

ERP: 0.25 kW / Channel: 254 / Freq: 98.7 MHz

AMSL Height: 160.1 m

Translator 60 dBu Reference Distance = 13.4166 km

**GRAHAM BROCK, INC.**

BROADCAST TECHNICAL CONSULTANTS

**CO-CHANNEL LPFM CLEARANCE**

**EXHIBIT B1**

**MINOR CHANGE LONG FORM APPLICATION**

**MILLER COMMUNICATIONS, INC.**

**NEW FM TRANSLATOR STATION**

**CH 254D - 98.7 MHz - 0.25 KW DA**

**ORANGEBURG, SOUTH CAROLINA**

**August 2013**

- Columbia, SC 30 minute Grid
- Columbia, SC 39 km Grid Buffer
- 39 km CO-CHANNEL §73.807(D)(1)
- + LPFM Protected Location

Scale 1:500,000

0 7 14 21 km

V-Soft Communications LLC ©



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Translator 60 dBu Reference Distance = 13.4166 km

**GRAHAM BROCK, INC.**

BROADCAST TECHNICAL CONSULTANTS

**1st ADJACENT-CHANNEL LPFM CLEARANCE**

**EXHIBIT B2**

MINOR CHANGE LONG FORM APPLICATION  
MILLER COMMUNICATIONS, INC.  
NEW FM TRANSLATOR STATION  
CH 254D - 98.7 MHz - 0.25 kW DA  
ORANGEBURG, SOUTH CAROLINA  
August 2013

- Columbia, SC 30 minute Grid
- Columbia, SC 39 km Grid Buffer
- 28 km 1st ADJACENT-CHANNEL §73.807(D)(1)

Scale 1:500,000



V-Soft Communications LLC ©



**NEW - Orangeburg, SC - Proposed**

Latitude: 33-26-35 N / Longitude: 080-48-16 W

ERP: 0.25 kW / Channel: 254 / Freq: 98.7 MHz

AMSL Height: 160.1 m

Translator 60 dBu Reference Distance = 13.4166 km

**GRAHAM BROCK, INC.**

BROADCAST TECHNICAL CONSULTANTS

**2nd ADJACENT-CHANNEL LPFM CLEARANCE**

**EXHIBIT B3**

**MINOR CHANGE LONG FORM APPLICATION**

**MILLER COMMUNICATIONS, INC.**

**NEW FM TRANSLATOR STATION**

**CH 254D - 98.7 MHZ - 0.25 KW DA**

**ORANGEBURG, SOUTH CAROLINA**

**August 2013**

- Columbia, SC 30 minute Grid
- Columbia, SC 39 km Grid Buffer
- 21 km 2nd ADJACENT-CHANNEL §73.807(D)(1)

Scale 1:500,000



**MINOR CHANGE LONG FORM APPLICATION**  
**MILLER COMMUNICATIONS, INC.**  
**NEW FM TRANSLATOR STATION**  
**CH 254D - 98.7 MHZ - 0.25 KW DA**  
**ORANGEBURG, SOUTH CAROLINA**  
**August 2013**

**EXHIBIT B4**

Columbia, South Carolina  
Latitude 34-00-02  
Longitude 081-02-06  
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. 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	78	260	0	280	0
*201	0	221	0	241	41	261	0	281	0
202	0	222	0	242	0	262	0	282	0
203	0	223	36	243	0	263	0	283	0
204	0	224	672	244	0	264	666	284	0
205	0	225	120	245	0	265	0	285	0
206	10	226	5	246	0	266	0	286	0
207	0	227	0	247	0	267	0	287	25
208	0	228	0	248	0	268	0	288	0
209	0	229	0	249	0	269	0	289	0
210	0	230	0	250	0	270	76	290	0
211	0	231	0	251	238	271	0	291	135
212	0	232	0	*252	0	272	0	292	0
213	0	233	0	*253	0	273	0	293	0
214	0	234	28	*254	1	274	0	294	0
215	0	235	157	*255	377	275	0	295	0
216	0	236	0	*256	250	276	0	296	0
217	0	237	0	257	17	277	0	297	0
218	0	238	0	258	328	278	9	298	0
219	0	239	149	259	110	279	1	299	0
								300	3

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Total 3532

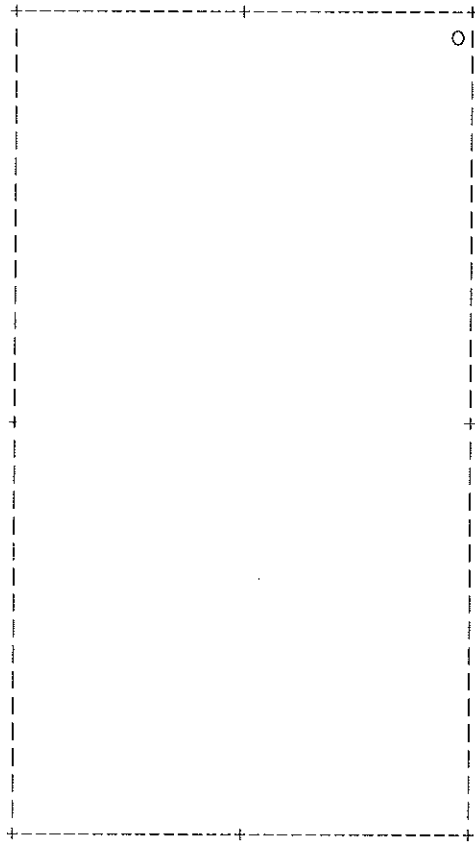
Total allotments, least preclusive spacing: 51  
Total allotments, most preclusive spacing: 45

\* - Channels Impacted by this Proposal

**MINOR CHANGE LONG FORM APPLICATION**  
**MILLER COMMUNICATIONS, INC.**  
**NEW FM TRANSLATOR STATION**  
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**ORANGEBURG, SOUTH CAROLINA**  
**August 2013**

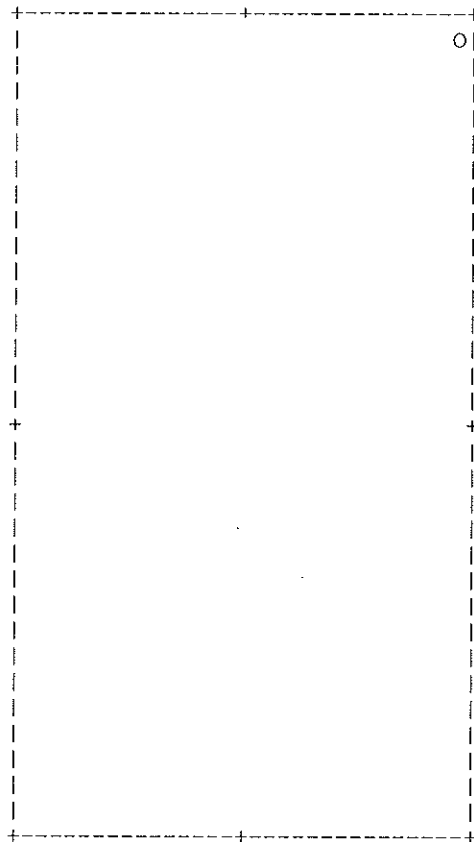
**EXHIBIT B5**

Columbia, SC  
Latitude 34-00-02  
Longitude 081-02-06  
Least preclusive siting  
Availability of Channel 254 (X)



Point #031 at 34-15-02 080-47-06

Columbia, SC  
Latitude 34-00-02  
Longitude 081-02-06  
Most preclusive siting  
Availability of Channel 254 (X)

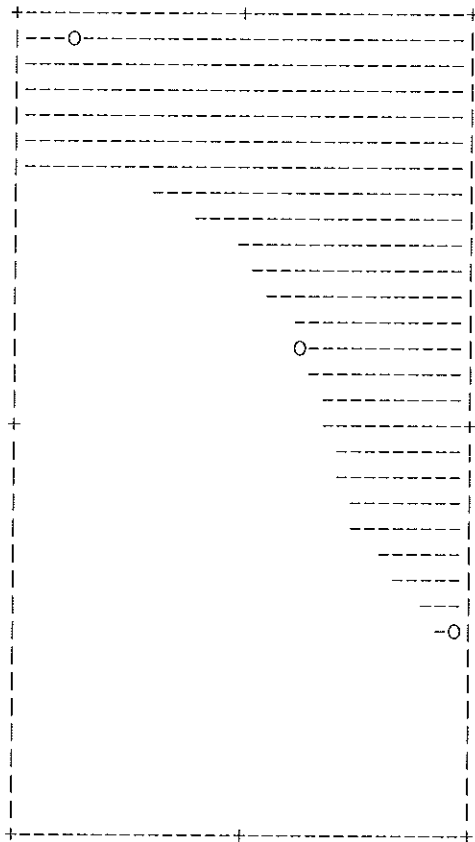


Point #031 at 34-15-02 080-47-06

**MINOR CHANGE LONG FORM APPLICATION**  
**MILLER COMMUNICATIONS, INC.**  
**NEW FM TRANSLATOR STATION**  
**CH 254D - 98.7 MHZ - 0.25 KW DA**  
**ORANGEBURG, SOUTH CAROLINA**  
**August 2013**

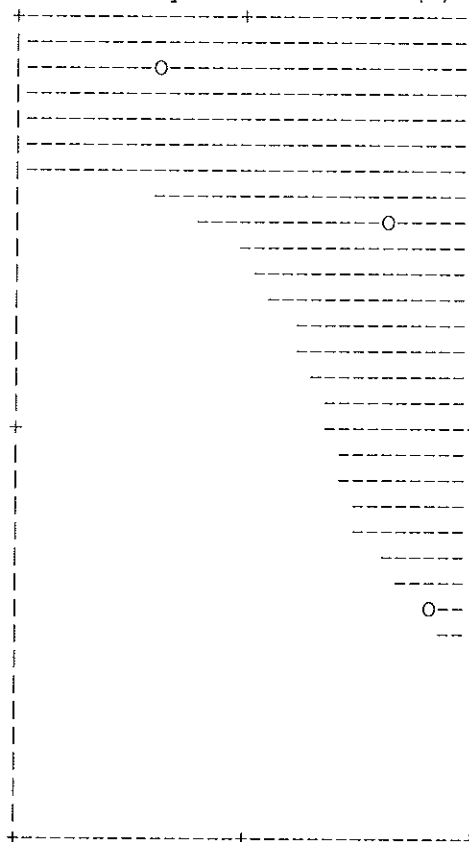
**EXHIBIT B6**

Columbia, SC  
Latitude 34-00-02  
Longitude 081-02-06  
Least preclusive siting  
Availability of Channel 255 (X)



Point #008 at 33-52-02 080-47-06  
Point #868 at 34-15-02 081-14-06  
Point #360 at 34-03-02 080-58-06

Columbia, SC  
Latitude 34-00-02  
Longitude 081-02-06  
Most preclusive siting  
Availability of Channel 255 (X)

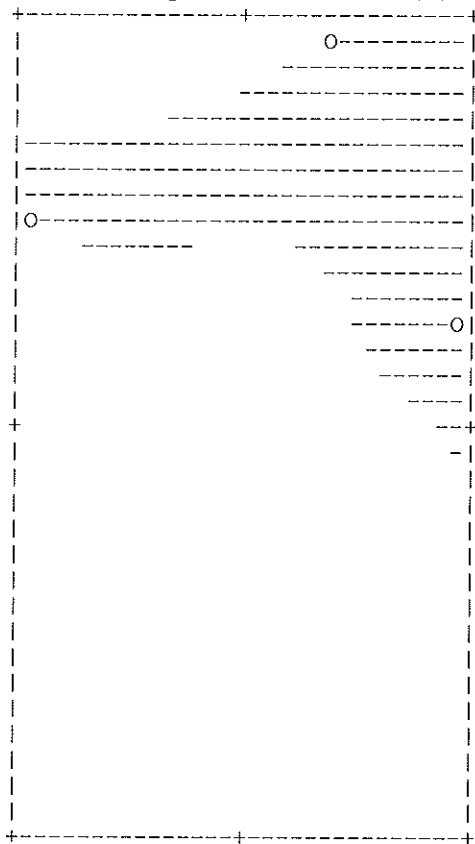


Point #071 at 33-53-02 080-49-06  
Point #681 at 34-14-02 081-08-06  
Point #179 at 34-08-02 080-52-06

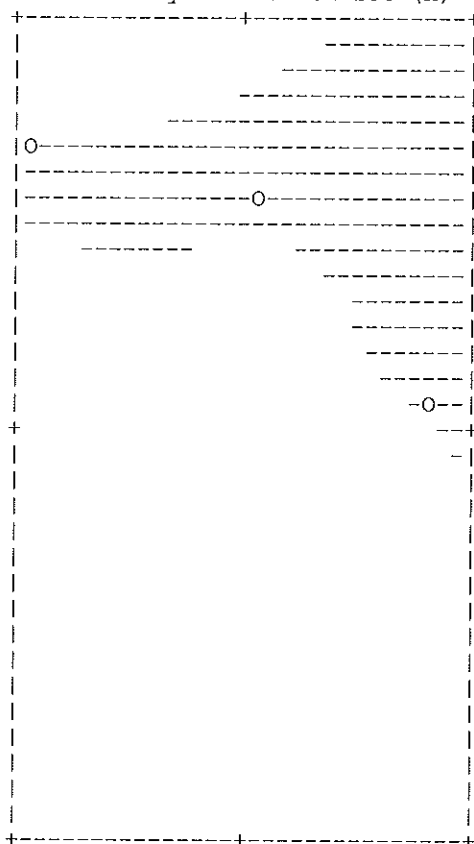
**MINOR CHANGE LONG FORM APPLICATION**  
**MILLER COMMUNICATIONS, INC.**  
**NEW FM TRANSLATOR STATION**  
**CH 254D - 98.7 MHZ - 0.25 KW DA**  
**ORANGEBURG, SOUTH CAROLINA**  
**August 2013**

**EXHIBIT B7**

Columbia, SC  
Latitude 34-00-02  
Longitude 081-02-06  
Least preclusive siting  
Availability of Channel 256 (X)



Columbia, SC  
Latitude 34-00-02  
Longitude 081-02-06  
Most preclusive siting  
Availability of Channel 256 (X)



Point #954 at 34-08-02 081-17-06  
Point #310 at 34-15-02 080-56-06  
Point #020 at 34-04-02 080-47-06

Point #459 at 34-09-02 081-01-06  
Point #079 at 34-01-02 080-49-06  
Point #957 at 34-11-02 081-17-06