

# Exhibit 13

## Tower Above Media LLC

PO Box 2112

Easley, SC 29641-2112

### Channel Spacing Report for Channel 258

ComStudy 2.2 search of channel 258 (99.5 MHz Class D)  
at 34-56-05.0 N, 82-24-16.0 W. .250 Kwatts ERP DA

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
WSPA-FM	SPARTANBURG	SC 255 C	28.05	0.00	21.5	-30.02 dB*
WSPA-FM	SPARTANBURG	SC 255 C	28.05	0.00	21.5	-26.78 dB*
WKSF	OLD FORT	NC 260 C	63.22	0.00	329.7	-11.95 dB**
WSPA-FM	SPARTANBURG	SC 255 C	28.08	0.00	21.5	0.65 dB
W209AE	CULLOWHEE, ETC.	NC 258 D	88.50	0.00	303.1	0.58 dB
NEW	HENDERSONVILLE	NC 258 D	42.88	0.00	345.9	0.26 dB
WKXC-FM	AIKEN	SC 258 C2	149.55	0.00	162.9	8.39 dB
WBT-FM	CHESTER	SC 257 C3	105.09	0.00	98.4	10.87 dB
NEW	WEST ASHEVILLE	NC 258 D	77.28	0.00	343.2	10.06 dB
WCON-FM	CORNELIA	GA 257 C2	125.38	0.00	248.9	14.59 dB
NEW	HENDERSONVILLE	NC 257 D	42.88	0.00	345.9	14.26 dB
WKSF	ASHEVILLE	NC 260 C	63.22	0.00	329.7	15.75 dB
WKSF*	OLD FORT	NC 260 C	63.22	0.00	329.7	15.75 dB
WKXC-FM	AIKEN	SC 258 C2	142.49	0.00	157.8	19.89 dB

\*See Waiver request below showing protection of WSPA-FM

\*\*See Waiver request below showing protection of WKSF

**Exhibit 13 (Compliance with CFR 74.1204)  
And Waiver Request  
W249CB Greenville, SC  
On Displacement channel 258**

The proposed W249CB FM translator site is located within the protected 60 dBu contour of second adjacent channel station WKSF channel 260, Old Fort, NC. The predicted F(50-50) field strength of WKSF at the proposed translator site is >71 dbu; see Contour Map Exhibit 13. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 111 dBu. This interfering contour extends 313 meters from the proposed transmit antenna in the horizontal plane in the main lobe and shorter distances at angles below the horizon. The antenna will be mounted on a tower at a height of 88 meters above ground.

The Proposed antenna will be a PSI FMT-2A DA antenna with 3/4 wave spacing to reduce the signal level at ground level in the area surrounding the proposed transmitter site. The attached spreadsheet shows the predicted signal levels at ground level and 3 meters above ground level of the proposed W249CB. The maximum signal level from W249CB at any likely receiver location is 109.3 dbu, which is below the 111 dbu threshold of predicted interference to WKSF.

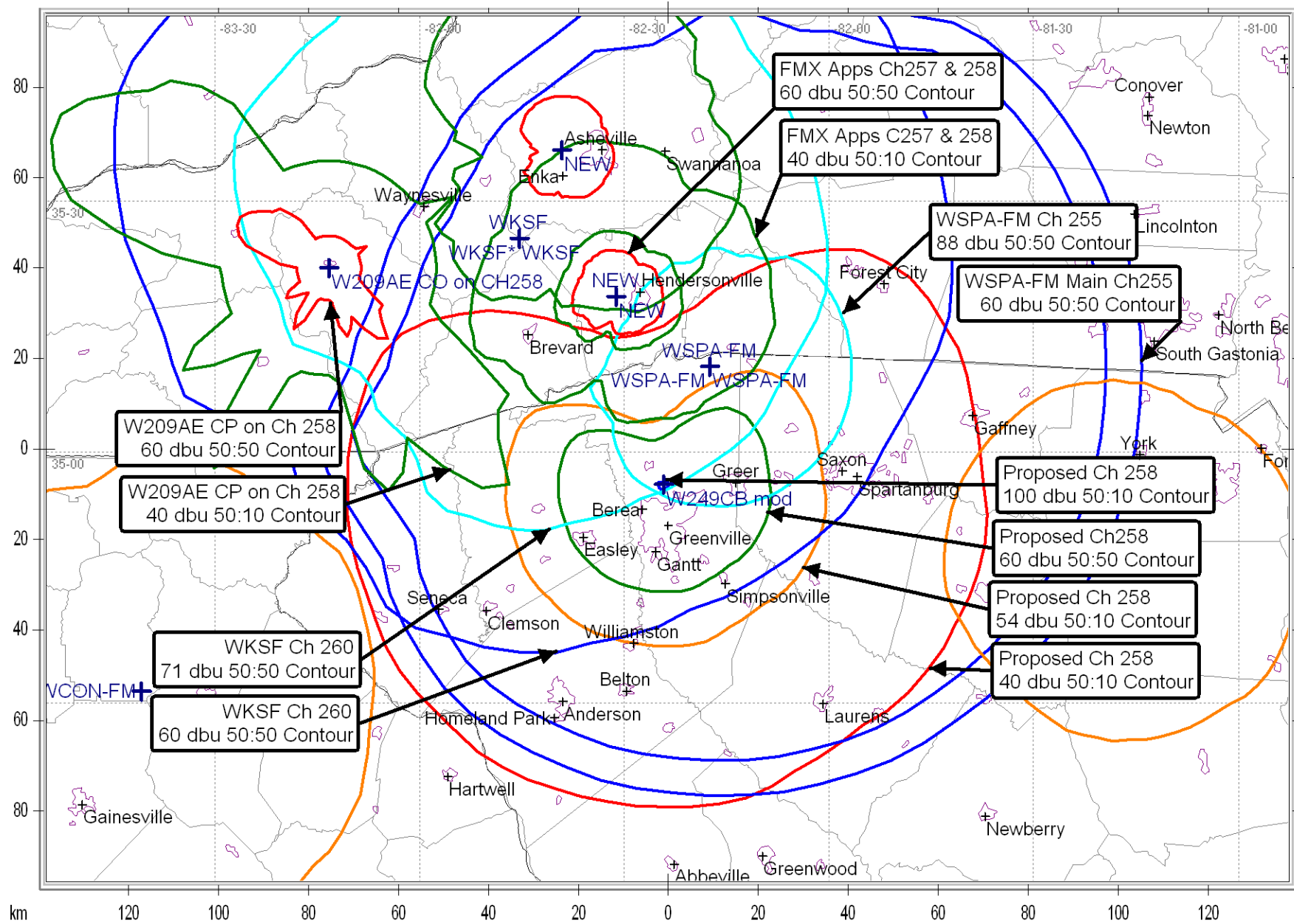
The proposed W249CB FM translator site is located within the protected 60 dBu contour of third adjacent channel station WSPA-FM Licensed channel 255, Spartanburg, SC. The predicted F(50-50) field strength of WSPA-FM at the proposed translator site is >88 dbu; see Contour Map Exhibit 13. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 128 dBu. This interfering contour extends 44 meters from the proposed transmit antenna in the horizontal plane in the main lobe and shorter distances at angles below the horizon. The antenna will be mounted on a tower at a height of 88 meters above ground. Therefore the interfering contour would be 44 meters above ground if full power were radiating straight down. The maximum W249CB signal at any likely receiver location is 109.3 dbu.

I, Ted A McCall, have inspected this site and it is on a mountain ridge and the nearest occupied buildings are single story houses on ground that has an elevation lower than the tower base.

Therefore, Tower Above Media LLC respectfully requests a waiver of C.F.R. 74.1204 based on the interfering contour not reaching the ground and no population within the area of predicted interference.

Should there be any actual interference to WKSF or WSPA-FM, W249CB will reduce power or suspend operation until the problem can be corrected.

## W249CB Displacment Mod to Ch 258



# Tower Above Media LLC

W249CB

Tower Above Media LLC proposes to use a PSI FMT-75 antenna to reduce signal levels on ground near the tower.

This work sheet shows expected signal levels on the ground and at a safety plane 3 meters AGL

Distances and signal levels are computed for every 5 degrees below horizontal at antenna center of radiation.

This safety plane is based on the highest likely receiver elevation AGL. Distance from Antenna is also computed to the intercept of the safety plane or ground level and a line from the antenna center of radiation.

0.250 Kilowatts ERP

**Antenna Make: PSI**

88 Meters AGL to Radiation Center

**Antenna Model: PSIFMT-2A-DA 3/4 Wave Spaced**

3 Meters AGL of Highest Receiver ( Safety Plane)

**111 dbu Interfering contour**

Angle Below Horizontal	Antenna Rel. Field	ERP Kwatts	ERP DbK	Distance from Antenna to Interfering	Dist.From Ant. to Safety Plane	Field Strength In dbu at Safety Plane	Dist.From Ant. to Ground Level	Field Strength In Dbu at Ground Level
0	1.000	0.2500	-6.02	313 m	INF m		INF	
5	0.975	0.2377	-6.24	305 m	975.3 m	<b>100.9 dbu</b>	1,009.7 m	100.6 dbu
10	0.903	0.2039	-6.91	282 m	489.5 m	<b>106.2 dbu</b>	506.8 m	105.9 dbu
15	0.792	0.1568	-8.05	248 m	328.4 m	<b>108.5 dbu</b>	340.0 m	108.2 dbu
20	0.650	0.1056	-9.76	203 m	248.5 m	<b>109.3 dbu</b>	257.3 m	108.9 dbu
25	0.493	0.0608	-12.16	154 m	201.1 m	<b>108.7 dbu</b>	208.2 m	108.4 dbu
30	0.331	0.0274	-15.62	103 m	170.0 m	<b>106.7 dbu</b>	176.0 m	106.4 dbu
35	0.178	0.0079	-21.01	56 m	148.2 m	<b>102.5 dbu</b>	153.4 m	102.2 dbu
40	0.043	0.0005	-33.35	13 m	132.2 m	<b>91.1 dbu</b>	136.9 m	90.8 dbu
45	0.068	0.0012	-29.37	21 m	120.2 m	<b>96.0 dbu</b>	124.5 m	95.6 dbu
50	0.149	0.0056	-22.56	47 m	111.0 m	<b>103.5 dbu</b>	114.9 m	103.2 dbu
55	0.202	0.0102	-19.91	63 m	103.8 m	<b>106.7 dbu</b>	107.4 m	106.4 dbu
60	0.227	0.0129	-18.90	71 m	98.1 m	<b>108.2 dbu</b>	101.6 m	107.9 dbu
65	0.226	0.0128	-18.94	71 m	93.8 m	<b>108.5 dbu</b>	97.1 m	108.2 dbu
70	0.205	0.0105	-19.79	64 m	90.5 m	<b>108.0 dbu</b>	93.6 m	107.7 dbu
75	0.168	0.0071	-21.51	53 m	88.0 m	<b>106.5 dbu</b>	91.1 m	106.2 dbu
80	0.118	0.0035	-24.58	37 m	86.3 m	<b>103.6 dbu</b>	89.4 m	103.3 dbu
85	0.061	0.0009	-30.31	19 m	85.3 m	<b>98.0 dbu</b>	88.3 m	97.7 dbu
90	0.020	0.0001	-40.00	6 m	85.0 m	<b>88.3 dbu</b>	88.0 m	88.0 dbu

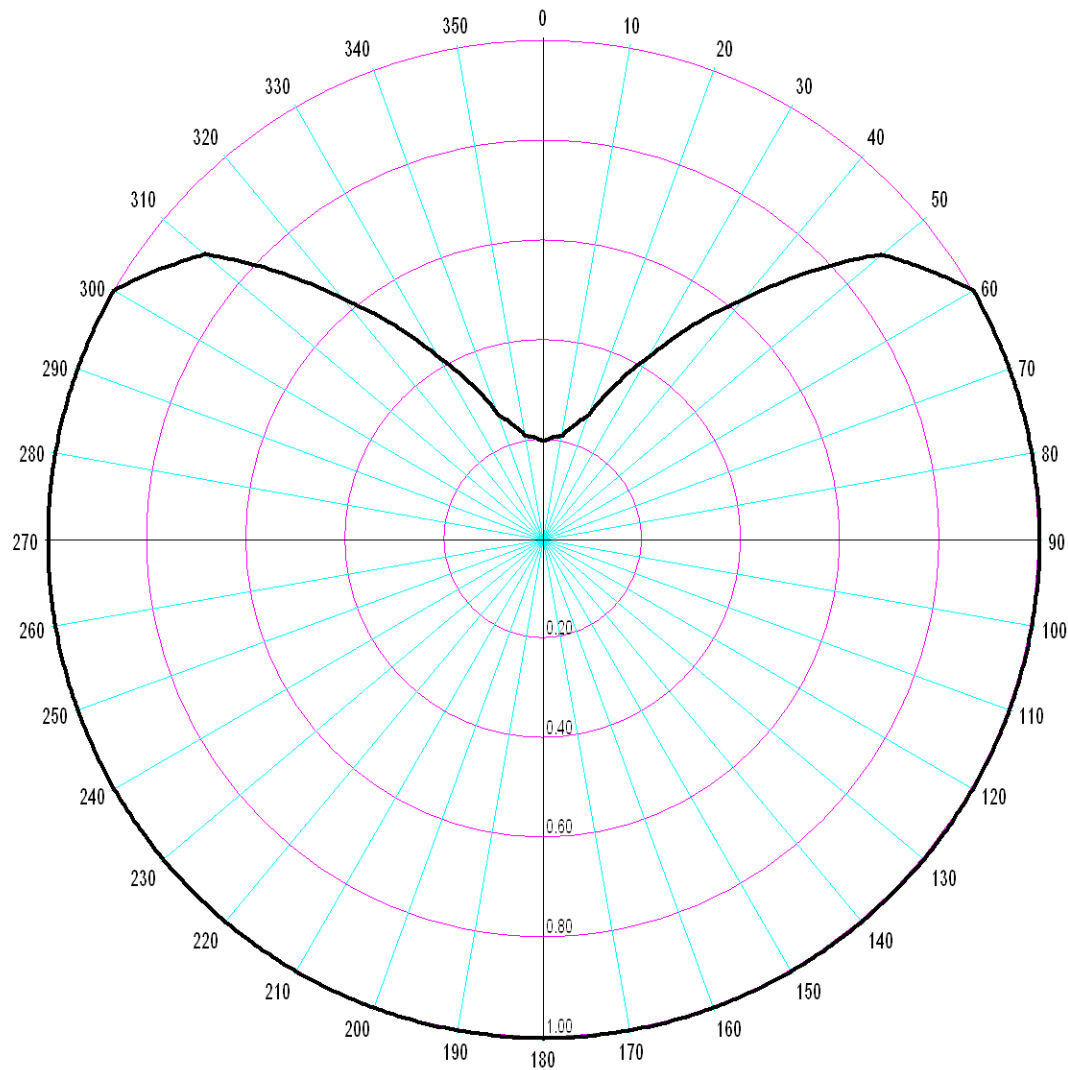
Formulas used

Distance to Contour =

Field Strength=

$$10^{((106.92 - [\text{desiredDbu}] + [\text{ERPInDbK}]) / 20)} * 1000$$

$$106.92 - (20 * (\text{LOG}([\text{DistKm}] / 1000))) + ([\text{ERPInDbK}])$$



Azim	Rel.FS	ERP [W]	dBk
0.0	0.199	9.900	-20.044
5.0	0.205	10.506	-19.786
10.0	0.211	11.130	-19.535
15.0	0.238	14.161	-18.489
20.0	0.266	17.689	-17.523
25.0	0.343	29.412	-15.315
30.0	0.421	44.310	-13.535
35.0	0.525	68.906	-11.617
40.0	0.630	99.225	-10.034
45.0	0.759	144.020	-8.416
50.0	0.889	197.580	-7.043
55.0	0.944	222.784	-6.521
60.0	1.000	250.000	-6.021
65.0	1.000	250.000	-6.021
70.0	1.000	250.000	-6.021
75.0	1.000	250.000	-6.021
80.0	1.000	250.000	-6.021
85.0	1.000	250.000	-6.021
90.0	1.000	250.000	-6.021
95.0	1.000	250.000	-6.021
100.0	1.000	250.000	-6.021
105.0	1.000	250.000	-6.021
110.0	1.000	250.000	-6.021
115.0	1.000	250.000	-6.021
120.0	1.000	250.000	-6.021
125.0	1.000	250.000	-6.021
130.0	1.000	250.000	-6.021
135.0	1.000	250.000	-6.021
140.0	1.000	250.000	-6.021
145.0	1.000	250.000	-6.021
150.0	1.000	250.000	-6.021
155.0	1.000	250.000	-6.021
160.0	1.000	250.000	-6.021
165.0	1.000	250.000	-6.021
170.0	1.000	250.000	-6.021
175.0	1.000	250.000	-6.021
180.0	1.000	250.000	-6.021

Azim	Rel.FS	ERP [W]	dBk
185.0	1.000	250.000	-6.021
190.0	1.000	250.000	-6.021
195.0	1.000	250.000	-6.021
200.0	1.000	250.000	-6.021
205.0	1.000	250.000	-6.021
210.0	1.000	250.000	-6.021
215.0	1.000	250.000	-6.021
220.0	1.000	250.000	-6.021
225.0	1.000	250.000	-6.021
230.0	1.000	250.000	-6.021
235.0	1.000	250.000	-6.021
240.0	1.000	250.000	-6.021
245.0	1.000	250.000	-6.021
250.0	1.000	250.000	-6.021
255.0	1.000	250.000	-6.021
260.0	1.000	250.000	-6.021
265.0	1.000	250.000	-6.021
270.0	1.000	250.000	-6.021
275.0	1.000	250.000	-6.021
280.0	1.000	250.000	-6.021
285.0	1.000	250.000	-6.021
290.0	1.000	250.000	-6.021
295.0	1.000	250.000	-6.021
300.0	1.000	250.000	-6.021
305.0	0.945	223.256	-6.512
310.0	0.891	198.470	-7.023
315.0	0.760	144.400	-8.404
320.0	0.630	99.225	-10.034
325.0	0.525	68.906	-11.617
330.0	0.421	44.310	-13.535
335.0	0.343	29.412	-15.315
340.0	0.266	17.689	-17.523
345.0	0.238	14.161	-18.489
350.0	0.211	11.130	-19.535
355.0	0.205	10.506	-19.786