

Exhibit 13A  
W249CB

Channel Spacing Report

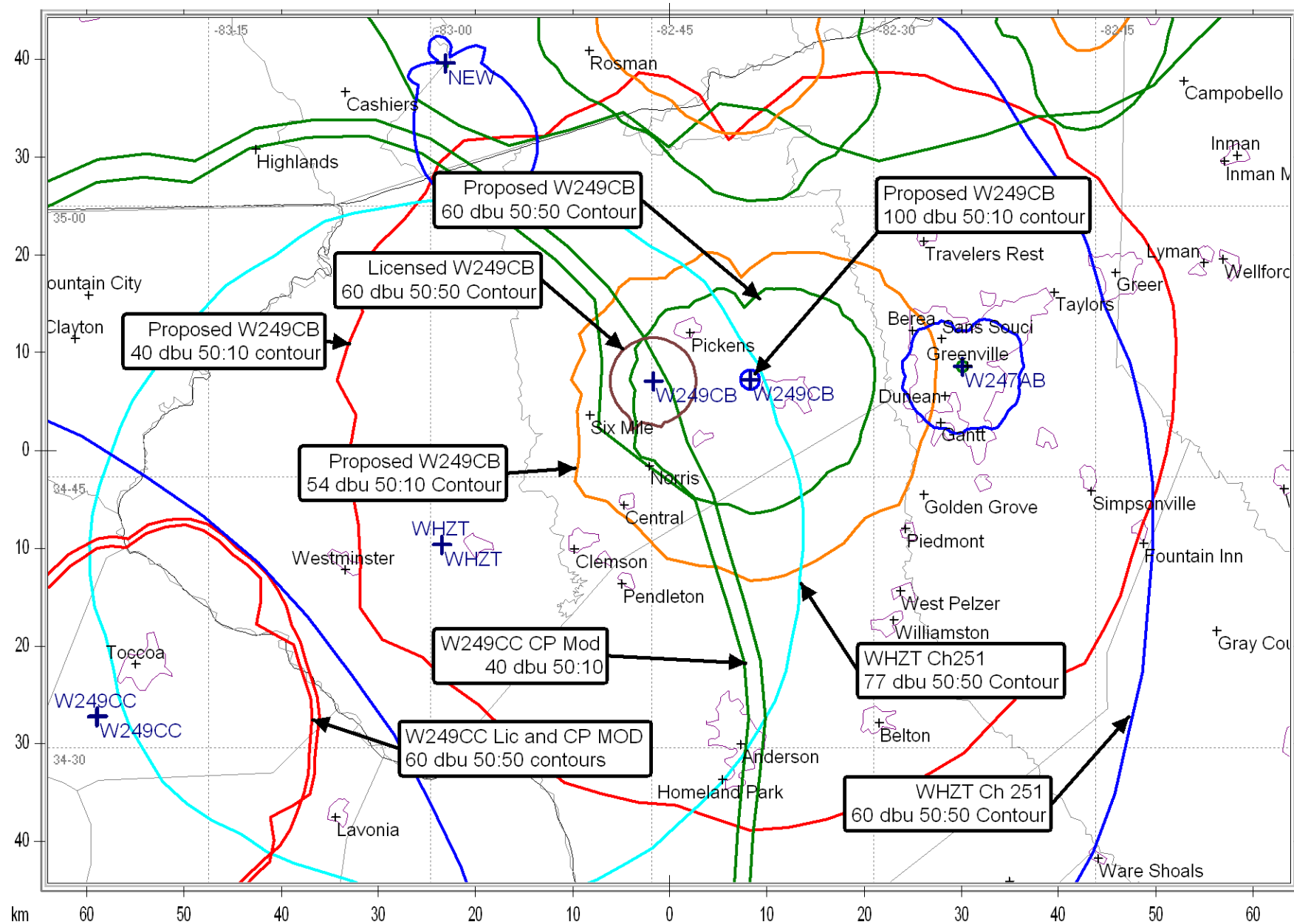
ComStudy 2.2 search of channel 249 (97.7 MHz Class D)  
at 34-50-23.0 N, 82-38-22.0 W. 56 Meters AGL 0.190 Kwatts ERP

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE	
WHZT	SENECA	SC	251	C0	36.02	0.00	242.0	-18.40 dB	*
WHZT	WILLIAMSTON	SC	251	C0	36.02	0.00	242.0	-18.40 dB	*
W249CC	TOCCOA	GA	249	D	75.75	0.00	243.1	-6.31 dB	**
W249CC	TOCCOA	GA	249	D	75.83	0.00	243.1	0.02 dB	
W249AR	ASHEVILLE	NC	249	D	83.27	0.00	357.9	5.57 dB	
970915TG	BREVARD	NC	248	D	37.90	0.00	354.5	6.18 dB	
W247AB	GREENVILLE	SC	247	D	21.94	0.00	86.4	8.38 dB	
WHZK-LP	GREENWOOD	SC	249	LP100	85.51	24.00	148.0	12.15 dB	
WMGZ	WASHINGTON	GA	249	C2	122.88	0.00	183.4	12.15 dB	
NEW	CHIMNEY ROCK	NC	249	D	79.22	0.00	27.3	12.01 dB	
W250AN	TRYON	NC	250	D	59.54	0.00	37.1	17.15 dB	
NEW	LAKE TOXAWAY	NC	246	D	45.13	0.00	316.1	18.32 dB	
WSRV	GAINESVILLE	GA	246	C	137.20	0.00	235.0	18.07 dB	
	LEXINGTON	GA	249	C2	110.51	0.00	186.6	19.90 dB	

\* See attached Waiver Request

\*\* This is incoming interference to this application  
There is no outgoing interference to W249CC.

W249CB Minor Change Exhibit 13 B



**Exhibit 13C (Compliance with CFR 74.1204)  
And Waiver Request  
W249CB Six Mile, SC**

The proposed W249CB FM translator site is located within the protected 60 dBu contour of second adjacent channel station WHZT Licensed channel 251, Seneca, SC. The predicted F(50-50) field strength of WHZT at the proposed translator site is >77 dbu; see Contour Map Exhibit 13B. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 117 dBu. This interfering contour extends 138 meters from the proposed transmit antenna in the horizontal plane and shorter distances at angles below the horizon. The antenna will be mounted on the WELP (AM) tower at a height of 57 meters above ground.

The Proposed antenna will be a Dielectric DCRL-2 antenna with  $\frac{3}{4}$  wave spacing to reduce the signal level at ground level in the area surrounding the propose 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 112 dbu, 5 db below the 117 dbu threshold of predicted interference to WHZT.

I, Ted A McCall, have inspected this site and the nearest occupied buildings are single story houses and the WELP studio.

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 WHZT, W249CB will reduce power or suspend operation until the problem can be corrected.

## Tower Above Media LLC

Tower Above Media LLC proposes to use a Dielectric DCRL-2C75 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.

**0.190 Kilowatts ERP**

**Antenna Make: Dielectric**

**57 Meters AGL to Radiation Center**

**Antenna Model: DCRL2-75**

**3 Meters AGL of Highest Receiver ( Safety Plane)**

**117 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	0.1900	-7.21	137 m	INF m		INF	
5	0.975	0.1806	-7.43	133 m	619.6 m	103.6 dbu	654.0 m	103.2 dbu
10	0.902	0.1546	-8.11	123 m	311.0 m	109.0 dbu	328.2 m	108.5 dbu
15	0.788	0.1180	-9.28	108 m	208.6 m	111.3 dbu	220.2 m	110.8 dbu
20	0.645	0.0790	-11.02	88 m	157.9 m	111.9 dbu	166.7 m	111.5 dbu
25	0.486	0.0449	-13.48	66 m	127.8 m	111.3 dbu	134.9 m	110.8 dbu
30	0.325	0.0201	-16.97	44 m	108.0 m	109.3 dbu	114.0 m	108.8 dbu
35	0.174	0.0058	-22.40	24 m	94.1 m	105.0 dbu	99.4 m	104.6 dbu
40	0.042	0.0003	-34.75	6 m	84.0 m	93.7 dbu	88.7 m	93.2 dbu
45	0.065	0.0008	-30.95	9 m	76.4 m	98.3 dbu	80.6 m	97.8 dbu
50	0.149	0.0042	-23.75	20 m	70.5 m	106.2 dbu	74.4 m	105.7 dbu
55	0.196	0.0073	-21.37	27 m	65.9 m	109.2 dbu	69.6 m	108.7 dbu
60	0.216	0.0089	-20.52	30 m	62.4 m	110.5 dbu	65.8 m	110.0 dbu
65	0.218	0.0090	-20.44	30 m	59.6 m	111.0 dbu	62.9 m	110.5 dbu
70	0.203	0.0078	-21.06	28 m	57.5 m	110.7 dbu	60.7 m	110.2 dbu
75	0.176	0.0059	-22.30	24 m	55.9 m	109.7 dbu	59.0 m	109.2 dbu
80	0.143	0.0039	-24.11	20 m	54.8 m	108.0 dbu	57.9 m	107.6 dbu
85	0.110	0.0023	-26.38	15 m	54.2 m	105.9 dbu	57.2 m	105.4 dbu
90	0.100	0.0019	-27.21	14 m	54.0 m	105.1 dbu	57.0 m	104.6 dbu

Formulas used

Distance to Contour =

Field Strength=

$$10^{\left(\frac{106.92 - [\text{desiredDbu}] + [\text{ERP in DbK}]}{20}\right)} \times 1000$$

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