

## Exhibit 13

**TED A. McCALL**  
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EASLEY, SC 29641-2115

### W289BS

**ComStudy 2.2 search of channel 289 (105.7 MHz Class D)  
at 35-01-07.6 N, 82-00-32.6 W.**

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
W289BS	GREER	SC	289	D	11.98	0.00	259.0	-52.78 dB*
W289BS	SPARTANBURG	SC	289	D	0.10	0.00	309.1	-23.05 dB**
WYRD-FM	SIMPSONVILLE	SC	292	C3	24.27	0.00	216.2	-10.51 dB***
WNOW-FM	GAFFNEY	SC	287	C1	84.11	0.00	62.6	4.80 dB
WTMT	WEAVERVILLE	NC	290	C2	87.13	0.00	318.2	7.13 dB
NEW	BLACK MOUNTAIN	NC	289	D	74.30	0.00	335.8	11.51 dB
NEW	BRISTOL	TN	289	D	157.15	0.00	355.8	13.66 dB
W289BO	PINEVILLE	NC	289	D	105.16	0.00	78.7	14.07 dB
NEW	CASHIERS	NC	289	D	100.08	0.00	277.7	16.35 dB
W290AE	LAURENS	SC	290	D	58.36	0.00	177.8	18.33 dB
WEKL	AUGUSTA	GA	289	C0	177.88	0.00	174.9	18.42 dB

\* This is the current licensed site for this application.

\*\* Current Application on file for this Facility.

\*\*\* See attached waiver request showing protection of WYRD-FM.

**Exhibit 13 (Compliance with CFR 74.1204)  
And Waiver Request  
W289BS Spartanburg, SC**

The proposed W289BS on channel 289 FM translator site is located within the protected 60 dBu contour of third adjacent channel station WYRD-FM channel 292, Licensed to Simpsonville, SC. The predicted F(50-50) field strength of WYRD-FM at the proposed translator site is >69 dbu; see Contour Map Exhibit 13. Therefore, the respective predicted interfering contour generated by the proposed FM Translator is 109 dBu. This interfering contour extends 394 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 WOLI (AM) existing tower at a height of 66 meters above ground.

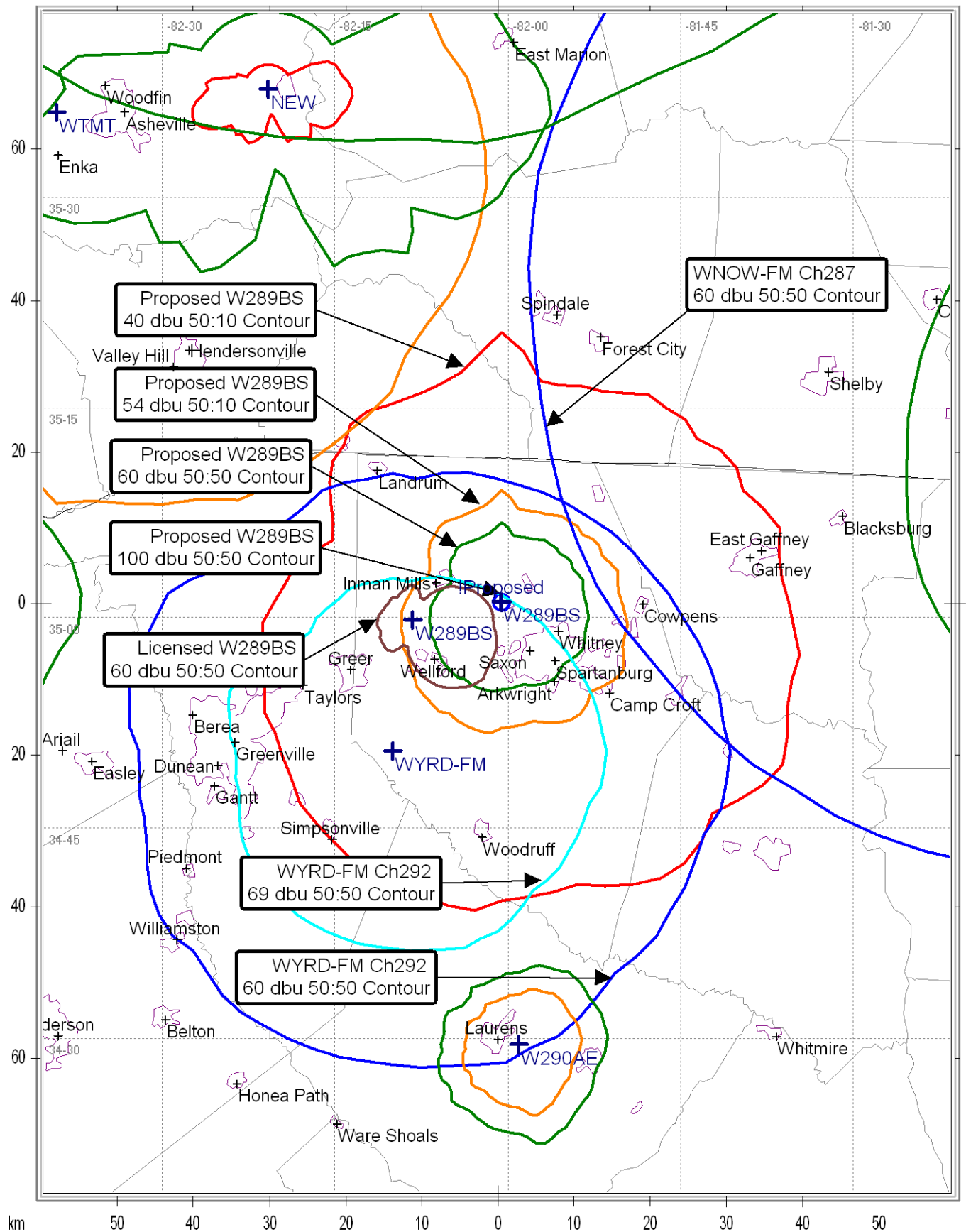
The proposed antenna will be a Dielectric DCR-L4-75 4 bay. The attached spreadsheet shows the predicted signal levels at ground level and 10 meters above ground level of the proposed W289BS system. The maximum signal level from W289BS at any likely receiver location is 106.9 dbu, 2.1 db below the 109 dbu threshold of predicted interference to WYRD-FM.

I, Ted A McCall, have inspected this site and it is surrounded by the single story homes 90 meters or more from the tower base.

Therefore, Ted A McCall 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 WYRD-FM, W289BS will reduce power or suspend operation until the problem can be corrected.

# W289BS Minor Change Contours



Ted A McCall

W289BS

Spartanburg, SC

Ted A McCall proposes to use a Dielectric DCRL-4C75 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 10 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: Dielectric**

**66 Meters AGL to Radiation Center**

**Antenna Model: DCRL4-75**

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

**109 dbu Interfering contour**

Angle	Antenna	ERP	ERP	Distance from	Dist.From Ant.	Field Strength	Field Strength
Below Horizoi	Rel. Field	Kwatts	DbK	Antenna to Interfering	toSafety Plane	In dbu at	In Dbu at
						Safety Plane	to Ground Level
0	1.000	0.2500	-6.02	393.5 m	INF m		INF
5	0.893	0.1994	-7.00	351.4 m	642.5 m	103.8 dbu	757.3 m
10	0.615	0.0946	-10.24	242.0 m	322.5 m	106.5 dbu	380.1 m
15	0.270	0.0182	-17.39	106.3 m	216.4 m	102.8 dbu	255.0 m
20	0.026	0.0002	-37.72	10.2 m	163.7 m	84.9 dbu	193.0 m
25	0.204	0.0104	-19.83	80.3 m	132.5 m	104.6 dbu	156.2 m
30	0.224	0.0125	-19.02	88.1 m	112.0 m	106.9 dbu	132.0 m
35	0.152	0.0058	-22.38	59.8 m	97.6 m	104.7 dbu	115.1 m
40	0.040	0.0004	-33.98	15.7 m	87.1 m	94.1 dbu	102.7 m
45	0.060	0.0009	-30.46	23.6 m	79.2 m	98.5 dbu	93.3 m
50	0.117	0.0034	-24.66	46.0 m	73.1 m	105.0 dbu	86.2 m
55	0.128	0.0041	-23.88	50.4 m	68.4 m	106.3 dbu	80.6 m
60	0.109	0.0030	-25.27	42.9 m	64.7 m	105.4 dbu	76.2 m
65	0.075	0.0014	-28.52	29.5 m	61.8 m	102.6 dbu	72.8 m
70	0.042	0.0004	-33.56	16.5 m	59.6 m	97.9 dbu	70.2 m
75	0.018	0.0001	-40.92	7.1 m	58.0 m	90.7 dbu	68.3 m
80	0.005	0.0000	-52.04	2.0 m	56.9 m	79.8 dbu	67.0 m
85	0.001	0.0000	-66.02	0.4 m	56.2 m	65.9 dbu	66.3 m
90	0.001	0.0000	-66.02	0.4 m	56.0 m	65.9 dbu	66.0 m

Formulas used

Distance to Contour =

Field Strength=

$(10^{((106.92 - [\text{desiredDbu}] + [\text{ERP in DbK}]) / 20)) * 1000}$   
 $106.92 - (20 * (\text{LOG}([\text{DistKm}] / 1000))) + ([\text{ERP in DbK}])$