

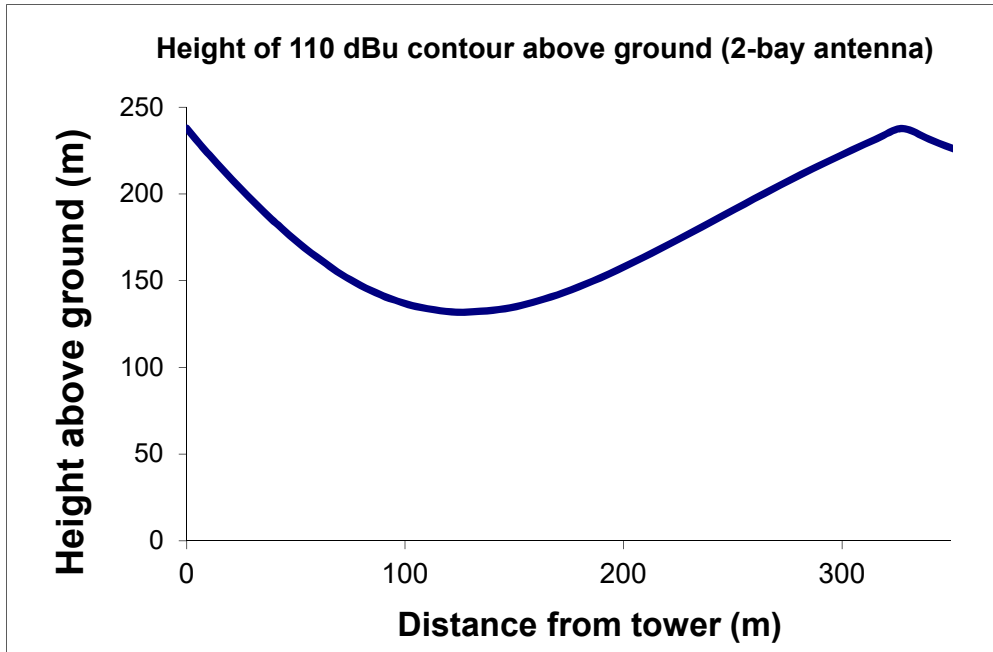
Table 1

W231BX CH231 Seneca, SC
Channel Study

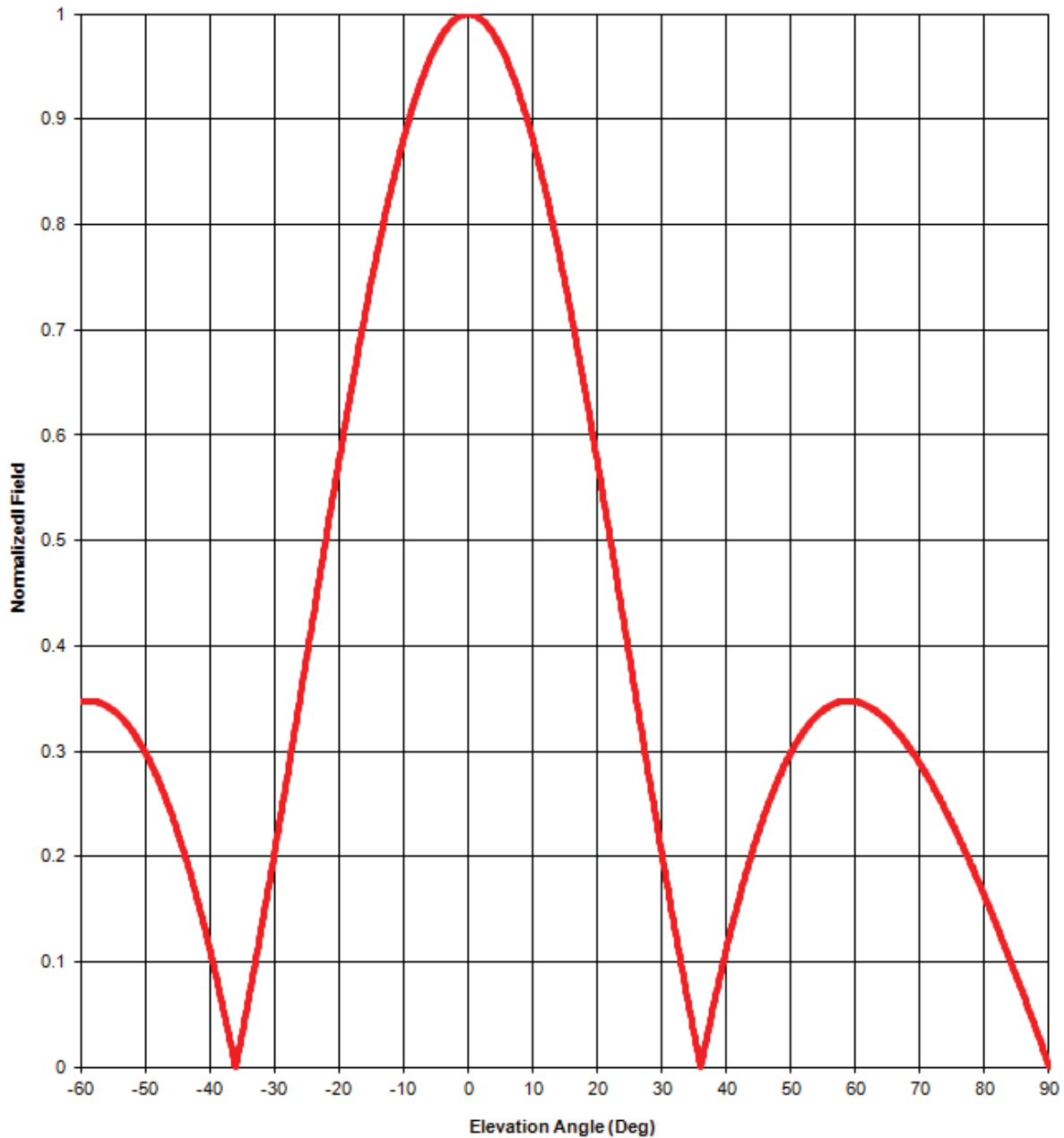
Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Distance (km)	Bearing TO (deg)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)	
229	C	WFBC-FM	FM	LIC	GREENVILLE	SC	US	ENTERCOM LICENSE, LLC	58.5	36.2	99.9	-41.3	76.4	(See Note)
230	D	W230CT	FX	LIC	CLEVELAND	GA	US	WHITE COUNTY MEDIA, LLC	73.8	259.6	52.4	21.3		
231	D	W231BX	FX	LIC	SENECA	GA	US	TUGART PROPERTIES, LLC	0.0	0.0	86.2	-86.2		(Same as applicant)
231	D	W231BX	FX	CP MOD	ANDERSON	SC	US	TUGART PROPERTIES, LLC	26.2	102.4	80.7	-54.5		(Same as applicant)
231	D	W231BA	FX	LIC	SPARTANBURG	SC	US	TOWER ABOVE MEDIA LLC	85.0	65.7	81.0	4.0		
231	D	W231DQ	FX	LIC	BRYSON CITY	NC	US	FIVE FORTY BROADCASTIN	93.1	330.1	81.2	11.9		
231	A	WGFJ	FM	LIC	CROSS HILL	SC	US	RADIO TRAINING NETWORK	112.5	118.2	97.3	15.3		
231	C0	WSTR	FM	LIC	SMYRNA	GA	US	ENTERCOM ATLANTA LICEN	161.3	230.6	139.4	21.9		
232	D	W244CQ	FX	CP	CLARKESVILLE	GA	US	WCHM RADIO, LLC.	51.3	260.1	39.1	12.2		
233	C	WGTK-FM	FM	LIC	GREENVILLE	SC	US	SALEM COMMUNICATIONS	59.7	61.6	85.3	-25.6	70.0	(See Note)

NOTE: With respect to WFBC-FM (2nd adjacent) WFBC-FM (LIC) has a field strength of 76.4 dBu F(50,50) at the proposed site and would therefore be susceptible to interference from the proposed facility. However, this is not the "worst case" since 2nd adjacent WGTK-FM has a field strength of only 70.0 dBu F(50,50) at the proposed site. Therefore WGTK-FM is the "worst case" facility susceptible to interference from the proposed facility and is discussed below.

WORST CASE: With respect to WGTK-FM (2nd adjacent) WGTK-FM (LIC) has a field strength of 70.0 dBu F(50,50) at the proposed site and would therefore be susceptible to interference from the proposed facility. Therefore the proposed translator's interfering contour is the 110.0 dBu F(50,10) contour. A two bay Shively 6812B antenna is proposed. The proposed 110.0 dBu F(50,10) contour would not reach down any closer than 126 meters AGL which occurs at a distance of 132 meters from the tower. Therefore, the interfering contour does not contain any structures or population. Therefore this proposal is compliant with the allowance of Rule



Elevation pattern



Antenna model: 6812b, 2-bay full-wave-spaced

Test frequency: 98.1 MHz

Gain (maximum):

Power	dB
1.00	0.02 dB

Document No. 6812b 2-bay fw (130701)

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Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field	Degrees	Rel. Field
1	0.999	19	0.612	37	0.029	55	0.339	73	0.256
2	0.995	20	0.576	38	0.058	56	0.343	74	0.244
3	0.989	21	0.539	39	0.086	57	0.346	75	0.231
4	0.980	22	0.502	40	0.112	58	0.348	76	0.218
5	0.969	23	0.465	41	0.137	59	0.348	77	0.205
6	0.956	24	0.427	42	0.161	60	0.347	78	0.191
7	0.941	25	0.389	43	0.183	61	0.345	79	0.177
8	0.923	26	0.352	44	0.204	62	0.343	80	0.162
9	0.903	27	0.314	45	0.224	63	0.339	81	0.148
10	0.881	28	0.277	46	0.242	64	0.334	82	0.132
11	0.858	29	0.240	47	0.258	65	0.328	83	0.117
12	0.832	30	0.203	48	0.273	66	0.322	84	0.101
13	0.805	31	0.168	49	0.287	67	0.315	85	0.085
14	0.776	32	0.132	50	0.299	68	0.306	86	0.069
15	0.745	33	0.098	51	0.310	69	0.298	87	0.052
16	0.714	34	0.065	52	0.319	70	0.288	88	0.036
17	0.681	35	0.032	53	0.327	71	0.278	89	0.018
18	0.647	36	0.001	54	0.334	72	0.267	90	0.000

Elevation Pattern Tabulation

Antenna model: 6812b, 2-bay full-wave-spaced

Relative Field at 0° Depression = 1.000