

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of CAROLINA CHRISTIAN BROADCASTING, INC., licensee of digital Television Translator W31AZ-D, Channel 31 in Hendersonville, North Carolina, in support of this application for modification of Construction Permit LMS-0000052464, a displacement authorization for operation of the station on Channel 15 as W15EJ-D. The purpose of this modification is to specify a slightly different antenna azimuth pattern and a reduction in antenna height. No change in site location or effective radiated power from that authorized in LMS-0000052464 is proposed herein.

It is proposed to mount an 8-bay horizontally-polarized directional slotted cylinder antenna at the 30-meter level of the existing 56.4-meter communications tower on which the WGGG-DT (Channel 16, Greenville, SC) antenna is mounted. The proposed effective radiated power for the facility is 15.0 kW in the horizontal plane. Exhibit B is a map upon which the new predicted 51 dBu service contour is plotted.

Elevation and azimuth pattern data for the proposed antenna appear in Exhibit C.

Exhibit D is a summary report from a TVStudy interference analysis for the proposed facility. Our study employed both a cell size of 1.0 kilometer and increment spacing of 0.1 kilometer. Further the applicant proposes use of a full-service mask filter. The results indicate that the proposed W15EJ-D facility meets the Commission's interference requirements to all full-power and low-power co-channel and adjacent-channel television facilities, except to the licensed pre-repack facility of digital television station WNSC-DT, Channel 15 in Rock Hill, South Carolina (BLEDT-20060111AAK). WNSC-DT has been allotted repack Channel 34 in

EXHIBIT A

Rock Hill and the instant proposal protects that new facility. Since operation of W15EJ-D on Channel 15 is contingent upon the move of WNSC-DT to its post-repack facility on Channel 34, the instant applicant requests a waiver of the Commission's "contingent application Rule", which the FCC has said it will entertain for displaced LPTV stations such as this.

A detailed power density calculation is provided in Exhibit E.

Since no change in the overall height or location of the existing WGGG-DT tower is proposed herein, the Federal Aviation Administration has not been notified of this application. In addition, due to the diminutive height of the tower and its proximity to the nearest airport runway, FCC tower registration is not required for this structure.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read "K. T. Fisher", with a stylized flourish at the end.

KEVIN T. FISHER

February 1, 2019



SMITHANDFISHER

**FCC 51 DBU
SERVICE CONTOUR**

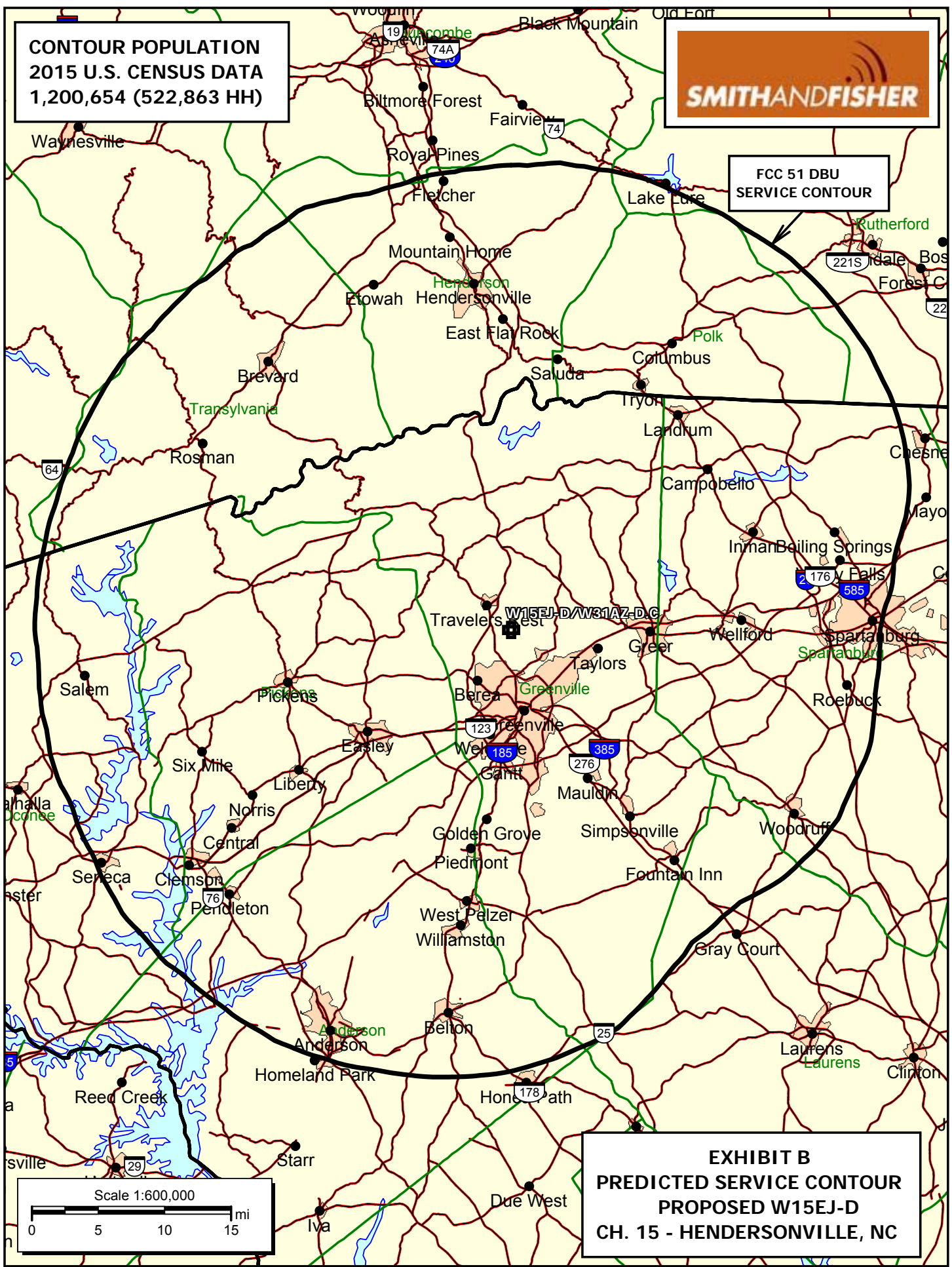


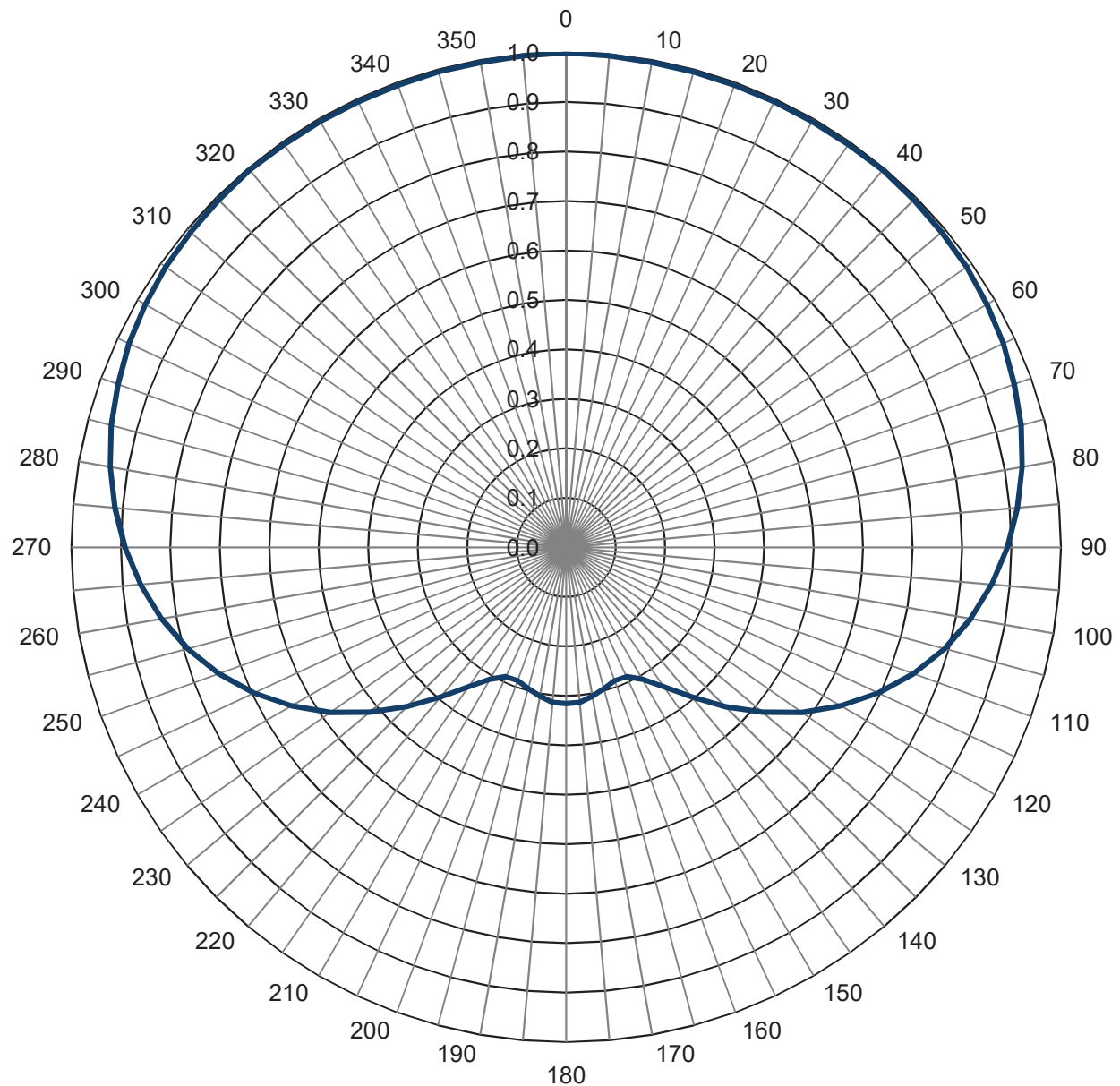
EXHIBIT B
PREDICTED SERVICE CONTOUR
PROPOSED W15EJ-D
CH. 15 - HENDERSONVILLE, NC

Specification Number: 20190131-516

Model: AL8W-15-2M Page 6

Azimuth Pattern

Type:	AL-W	Polarization:	Horizontal
Directivity:	1.58 numeric (1.99 dB)	Frequency:	15 (ATSC)
Peak(s) at:		Location:	Hendersonville, NC
		NOTE: Pattern shape and directivity may vary with channel and mounting configuration.	

Relative Field

Tabulated Data for Azimuth Pattern

Type: AL-W

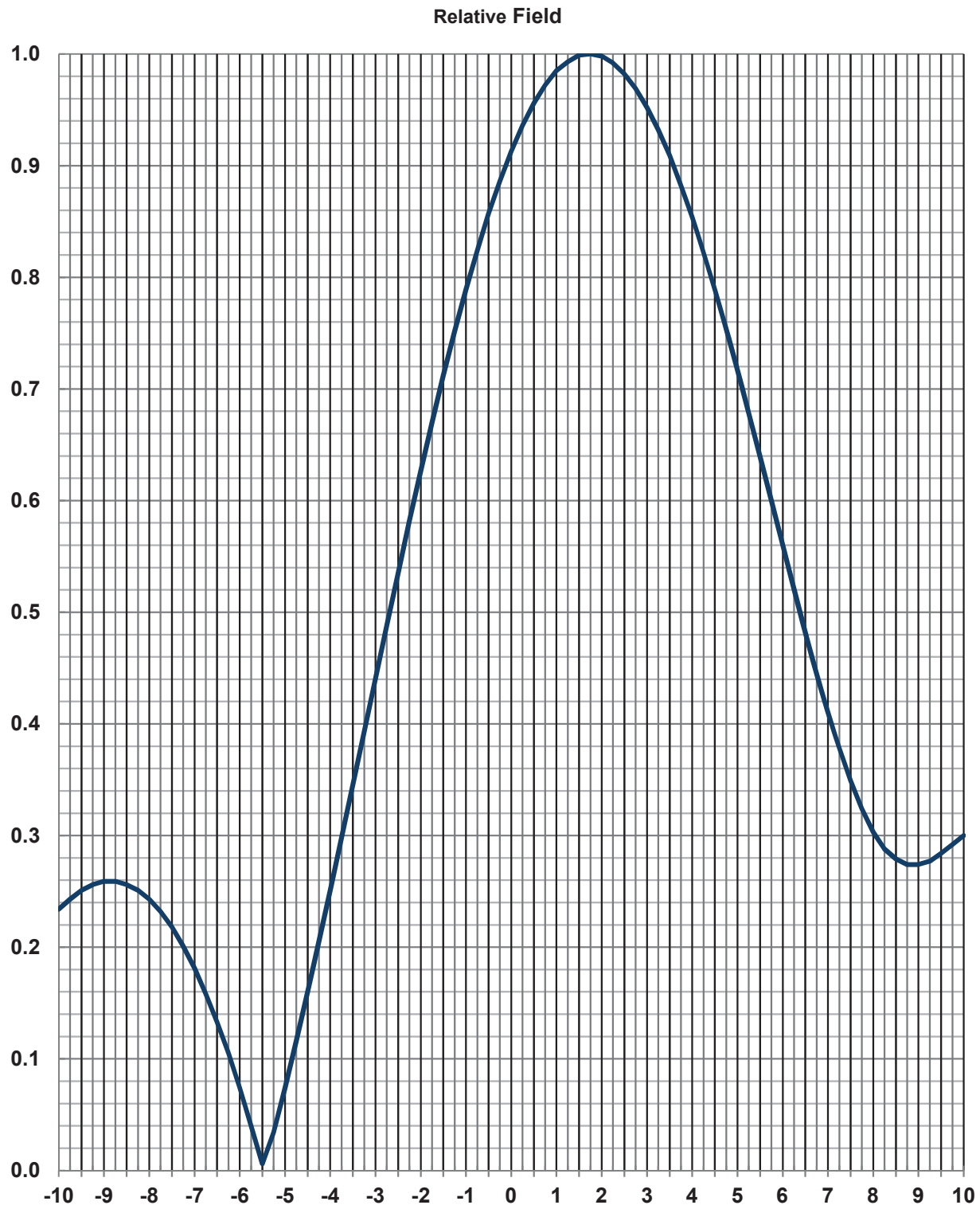
Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
0	1.000	0.00	100	0.830	-1.62	200	0.286	-10.86	300	0.982	-0.16
2	0.998	-0.02	102	0.816	-1.77	202	0.285	-10.89	302	0.985	-0.13
4	0.997	-0.03	104	0.800	-1.94	204	0.286	-10.86	304	0.986	-0.12
6	0.997	-0.03	106	0.784	-2.11	206	0.291	-10.71	306	0.988	-0.11
8	0.996	-0.03	108	0.766	-2.32	208	0.297	-10.53	308	0.990	-0.09
10	0.995	-0.04	110	0.747	-2.54	210	0.308	-10.24	310	0.991	-0.08
12	0.996	-0.03	112	0.728	-2.76	212	0.321	-9.88	312	0.992	-0.07
14	0.995	-0.04	114	0.708	-3.01	214	0.337	-9.46	314	0.993	-0.06
16	0.995	-0.04	116	0.685	-3.28	216	0.354	-9.03	316	0.993	-0.06
18	0.994	-0.05	118	0.663	-3.57	218	0.373	-8.57	318	0.994	-0.05
20	0.994	-0.05	120	0.640	-3.87	220	0.395	-8.07	320	0.995	-0.04
22	0.994	-0.05	122	0.618	-4.18	222	0.419	-7.55	322	0.994	-0.05
24	0.994	-0.05	124	0.594	-4.52	224	0.443	-7.07	324	0.995	-0.04
26	0.994	-0.05	126	0.569	-4.90	226	0.468	-6.59	326	0.994	-0.05
28	0.994	-0.05	128	0.544	-5.29	228	0.493	-6.13	328	0.994	-0.05
30	0.994	-0.05	130	0.519	-5.70	230	0.519	-5.70	330	0.994	-0.05
32	0.994	-0.05	132	0.493	-6.13	232	0.544	-5.29	332	0.994	-0.05
34	0.994	-0.05	134	0.468	-6.59	234	0.569	-4.90	334	0.994	-0.05
36	0.995	-0.04	136	0.443	-7.07	236	0.594	-4.52	336	0.994	-0.05
38	0.994	-0.05	138	0.419	-7.55	238	0.618	-4.18	338	0.994	-0.05
40	0.995	-0.04	140	0.395	-8.07	240	0.640	-3.87	340	0.994	-0.05
42	0.994	-0.05	142	0.373	-8.57	242	0.663	-3.57	342	0.994	-0.05
44	0.993	-0.06	144	0.354	-9.03	244	0.685	-3.28	344	0.995	-0.04
46	0.993	-0.06	146	0.337	-9.46	246	0.708	-3.01	346	0.995	-0.04
48	0.992	-0.07	148	0.321	-9.88	248	0.728	-2.76	348	0.996	-0.03
50	0.991	-0.08	150	0.308	-10.24	250	0.747	-2.54	350	0.995	-0.04
52	0.990	-0.09	152	0.297	-10.53	252	0.766	-2.32	352	0.996	-0.03
54	0.988	-0.11	154	0.291	-10.71	254	0.784	-2.11	354	0.997	-0.03
56	0.986	-0.12	156	0.286	-10.86	256	0.800	-1.94	356	0.997	-0.03
58	0.985	-0.13	158	0.285	-10.89	258	0.816	-1.77	358	0.998	-0.02
60	0.982	-0.16	160	0.286	-10.86	260	0.830	-1.62	360	1.000	0.00
62	0.979	-0.19	162	0.288	-10.80	262	0.844	-1.47			
64	0.976	-0.21	164	0.292	-10.68	264	0.857	-1.34			
66	0.973	-0.24	166	0.296	-10.56	266	0.869	-1.22			
68	0.969	-0.27	168	0.302	-10.41	268	0.880	-1.11			
70	0.964	-0.32	170	0.306	-10.30	270	0.891	-1.00			
72	0.960	-0.36	172	0.311	-10.16	272	0.902	-0.90			
74	0.955	-0.40	174	0.314	-10.07	274	0.911	-0.81			
76	0.949	-0.46	176	0.316	-10.02	276	0.921	-0.72			
78	0.942	-0.52	178	0.316	-10.02	278	0.928	-0.65			
80	0.936	-0.58	180	0.316	-10.02	280	0.936	-0.58			
82	0.928	-0.65	182	0.316	-10.02	282	0.942	-0.52			
84	0.921	-0.72	184	0.316	-10.02	284	0.949	-0.46			
86	0.911	-0.81	186	0.314	-10.07	286	0.955	-0.40			
88	0.902	-0.90	188	0.311	-10.16	288	0.960	-0.36			
90	0.891	-1.00	190	0.306	-10.30	290	0.964	-0.32			
92	0.880	-1.11	192	0.302	-10.41	292	0.969	-0.27			
94	0.869	-1.22	194	0.296	-10.56	294	0.973	-0.24			
96	0.857	-1.34	196	0.292	-10.68	296	0.976	-0.21			
98	0.844	-1.47	198	0.288	-10.80	298	0.979	-0.19			

Specification Number: 20190131-516

Model: AL8W-15-2M Page 8

Elevation Pattern

Type:	AL8L7		Polarization:	Horizontal
Directivity:			Frequency:	15 (ATSC)
Main Lobe:	8.25 numeric	(9.16 dB)	Location:	Hendersonville, NC
Horizontal:	6.88 numeric	(8.37 dB)	Beam Tilt:	1.75 degrees



Specification Number: 20190131-516

Model: AL8W-15-2M Page 9

Tabulated Data for Elevation PatternType: AL8L7

-10 to 10 degrees in 0.25 degree increments.

10 to 90 degrees in 0.50 degree increments.

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-10.00	0.234	-12.62	2.25	0.992	-0.07	19.00	0.165	-15.65	43.50	0.025	-32.04	68.00	0.070	-23.10
-9.75	0.243	-12.29	2.50	0.982	-0.16	19.50	0.176	-15.09	44.00	0.038	-28.40	68.50	0.065	-23.74
-9.50	0.251	-12.01	2.75	0.969	-0.27	20.00	0.182	-14.80	44.50	0.052	-25.68	69.00	0.060	-24.44
-9.25	0.256	-11.84	3.00	0.952	-0.43	20.50	0.182	-14.80	45.00	0.064	-23.88	69.50	0.056	-25.04
-9.00	0.259	-11.73	3.25	0.932	-0.61	21.00	0.176	-15.09	45.50	0.075	-22.50	70.00	0.052	-25.68
-8.75	0.259	-11.73	3.50	0.909	-0.83	21.50	0.166	-15.60	46.00	0.085	-21.41	70.50	0.049	-26.20
-8.50	0.256	-11.84	3.75	0.882	-1.09	22.00	0.151	-16.42	46.50	0.092	-20.72	71.00	0.047	-26.56
-8.25	0.251	-12.01	4.00	0.854	-1.37	22.50	0.132	-17.59	47.00	0.098	-20.18	71.50	0.045	-26.94
-8.00	0.243	-12.29	4.25	0.822	-1.70	23.00	0.111	-19.09	47.50	0.102	-19.83	72.00	0.044	-27.13
-7.75	0.232	-12.69	4.50	0.789	-2.06	23.50	0.090	-20.92	48.00	0.104	-19.66	72.50	0.044	-27.13
-7.50	0.218	-13.23	4.75	0.754	-2.45	24.00	0.070	-23.10	48.50	0.104	-19.66	73.00	0.044	-27.13
-7.25	0.201	-13.94	5.00	0.717	-2.89	24.50	0.057	-24.88	49.00	0.101	-19.91	73.50	0.045	-26.94
-7.00	0.181	-14.85	5.25	0.678	-3.38	25.00	0.054	-25.35	49.50	0.097	-20.26	74.00	0.046	-26.74
-6.75	0.158	-16.03	5.50	0.639	-3.89	25.50	0.064	-23.88	50.00	0.092	-20.72	74.50	0.047	-26.56
-6.50	0.133	-17.52	5.75	0.600	-4.44	26.00	0.078	-22.16	50.50	0.085	-21.41	75.00	0.049	-26.20
-6.25	0.105	-19.58	6.00	0.560	-5.04	26.50	0.094	-20.54	51.00	0.076	-22.38	75.50	0.050	-26.02
-6.00	0.074	-22.62	6.25	0.520	-5.68	27.00	0.108	-19.33	51.50	0.066	-23.61	76.00	0.051	-25.85
-5.75	0.040	-27.96	6.50	0.482	-6.34	27.50	0.119	-18.49	52.00	0.055	-25.19	76.50	0.052	-25.68
-5.50	0.006	-44.44	6.75	0.445	-7.03	28.00	0.127	-17.92	52.50	0.044	-27.13	77.00	0.053	-25.51
-5.25	0.034	-29.37	7.00	0.410	-7.74	28.50	0.130	-17.72	53.00	0.032	-29.90	77.50	0.054	-25.35
-5.00	0.074	-22.62	7.25	0.378	-8.45	29.00	0.130	-17.72	53.50	0.020	-33.98	78.00	0.054	-25.35
-4.75	0.116	-18.71	7.50	0.349	-9.14	29.50	0.126	-17.99	54.00	0.010	-40.00	78.50	0.054	-25.35
-4.50	0.160	-15.92	7.75	0.324	-9.79	30.00	0.119	-18.49	54.50	0.011	-39.17	79.00	0.054	-25.35
-4.25	0.205	-13.76	8.00	0.303	-10.37	30.50	0.108	-19.33	55.00	0.022	-33.15	79.50	0.054	-25.35
-4.00	0.251	-12.01	8.25	0.288	-10.81	31.00	0.094	-20.54	55.50	0.034	-29.37	80.00	0.053	-25.51
-3.75	0.298	-10.52	8.50	0.279	-11.09	31.50	0.079	-22.05	56.00	0.045	-26.94	80.50	0.052	-25.68
-3.50	0.345	-9.24	8.75	0.274	-11.24	32.00	0.062	-24.15	56.50	0.056	-25.04	81.00	0.051	-25.85
-3.25	0.393	-8.11	9.00	0.274	-11.24	32.50	0.047	-26.56	57.00	0.067	-23.48	81.50	0.050	-26.02
-3.00	0.441	-7.11	9.25	0.277	-11.15	33.00	0.034	-29.37	57.50	0.076	-22.38	82.00	0.048	-26.38
-2.75	0.488	-6.23	9.50	0.284	-10.93	33.50	0.031	-30.17	58.00	0.085	-21.41	82.50	0.046	-26.74
-2.50	0.535	-5.43	9.75	0.292	-10.69	34.00	0.040	-27.96	58.50	0.092	-20.72	83.00	0.044	-27.13
-2.25	0.582	-4.70	10.00	0.300	-10.46	34.50	0.053	-25.51	59.00	0.099	-20.09	83.50	0.042	-27.54
-2.00	0.627	-4.05	10.50	0.318	-9.95	35.00	0.067	-23.48	59.50	0.104	-19.66	84.00	0.039	-28.18
-1.75	0.670	-3.48	11.00	0.331	-9.60	35.50	0.080	-21.94	60.00	0.108	-19.33	84.50	0.037	-28.64
-1.50	0.712	-2.95	11.50	0.337	-9.45	36.00	0.091	-20.82	60.50	0.112	-19.02	85.00	0.034	-29.37
-1.25	0.752	-2.48	12.00	0.336	-9.47	36.50	0.100	-20.00	61.00	0.114	-18.86	85.50	0.031	-30.17
-1.00	0.789	-2.06	12.50	0.326	-9.74	37.00	0.106	-19.49	61.50	0.115	-18.79	86.00	0.028	-31.06
-0.75	0.824	-1.68	13.00	0.309	-10.20	37.50	0.109	-19.25	62.00	0.115	-18.79	86.50	0.024	-32.40
-0.50	0.857	-1.34	13.50	0.285	-10.90	38.00	0.109	-19.25	62.50	0.115	-18.79	87.00	0.021	-33.56
-0.25	0.886	-1.05	14.00	0.255	-11.87	38.50	0.107	-19.41	63.00	0.113	-18.94	87.50	0.018	-34.89
0.00	0.913	-0.79	14.50	0.222	-13.07	39.00	0.101	-19.91	63.50	0.111	-19.09	88.00	0.014	-37.08
0.25	0.936	-0.57	15.00	0.187	-14.56	39.50	0.094	-20.54	64.00	0.108	-19.33	88.50	0.011	-39.17
0.50	0.956	-0.39	15.50	0.153	-16.31	40.00	0.084	-21.51	64.50	0.104	-19.66	89.00	0.007	-43.10
0.75	0.972	-0.25	16.00	0.124	-18.13	40.50	0.072	-22.85	65.00	0.100	-20.00	89.50	0.004	-47.96
1.00	0.985	-0.13	16.50	0.107	-19.41	41.00	0.059	-24.58	65.50	0.096	-20.35	90.00	0.000	---
1.25	0.993	-0.06	17.00	0.105	-19.58	41.50	0.045	-26.94	66.00	0.091	-20.82			
1.50	0.999	-0.01	17.50	0.115	-18.79	42.00	0.031	-30.17	66.50	0.086	-21.31			
1.75	1.000	0.00	18.00	0.132	-17.59	42.50	0.018	-34.89	67.00	0.080	-21.94			
2.00	0.998	-0.02	18.50	0.150	-16.48	43.00	0.015	-36.48	67.50	0.075	-22.50			

EXHIBIT D

TVSTUDY INTERFERENCE ANALYSIS RESULTS
 PROPOSED W16DY-D
 CHANNEL 16 – HONEA PATH, SOUTH CAROLINA

Study created: 2019.02.01 10:00:11

Study build station data: LMS TV 2019-01-20

Proposal: W31AZ-D D15 LD CP HENDERSONVILLE, NC

File number: BLANK0000052464

Facility ID: 9058

Station data: User record

Record ID: 444

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WSKC-CD	D14	DC	CP	ATLANTA, GA	BLANK0000034530	192.5 km
No	WAGC-LD	D14	LD	LIC	ATLANTA, GA	BLDTL20130829AEC	217.1
No	WTVI	D14	LD	LIC	CHARLOTTE, NC	BLEDT20110104AAK	131.7
No	W05AF	D14	LD	CP	CHEROKEE, NC	BDCCDTT20141125AZD	101.9
Yes	WHKY-TV	D14	DD	CP	HICKORY, NC	BLANK0000034548	129.4
No	W14EG-D	D14	LD	CP	ROBBINSVILLE, ETC, NC	BDCCDTT20120614AAH	130.8
Yes	WMYA-TV	D14	DT	LIC	ANDERSON, SC	BLCDDT20080714AFN	35.0
No	WVEB-LD	D14	LD	LIC	FLORENCE, SC	BLANK0000007998	147.3
No	WVEB-LD	D14	LD	LIC	FLORENCE, SC	BLANK0000016635	142.5
No	WDSI-TV	D14	DT	LIC	CHATTANOOGA, TN	BLANK0000059350	265.6
No	WLFG	D14	DD	CP	GRUNDY, VA	BLANK0000034517	212.1
No	W50BO	D15	LD	CP	ASHVILLE, AL	BDISDTL20091230AAV	371.1
No	WAFF	D15	DT	CP	HUNTSVILLE, AL	BLANK0000034153	377.1
No	WYAM-LD	D15	LD	LIC	PRICEVILLE, AL	BLDTL20130828AEQ	413.2
No	WAGC-LD	D15	LD	CP	ATLANTA, GA	BLANK0000054666	217.1
No	WDDZ-LD	D15	LD	CP	AUGUSTA, GA	BLANK0000036283	182.1
No	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDDT20061013ABV	365.0
Yes	WGGD-LD	D15	LD	LIC	GAINESVILLE, GA	BLDTL20121213AIK	165.9
No	WPHJ-LP	D15+	LD	CP	VIDALIA, GA	BLANK0000054747	303.8
No	WLCU-CD	D15	DC	CP	CAMPBELLSVILLE, KY	BLANK0000028622	376.0
No	WKMR	D15	DT	LIC	MOREHEAD, KY	BMLEDT20120503ADU	370.5
No	WPBM-CD	D15	DC	CP	SCOTTSVILLE, KY	BLANK0000026401	391.9
Yes	W21CK-D	D15	DC	CP	CHARLOTTE, NC	BLANK0000034509	142.5

No	WNCB-LD	D15	LD LIC	FAYETTEVILLE, NC	BLANK0000011263	312.5
Yes	W15CW-D	D15	LD LIC	FRANKLIN, NC	BLDTT20111227ABE	109.5
Yes	W15CW-D	D15	LD CP	FRANKLIN, NC	BMPDTT20110127AAR	109.5
Yes	W15CW-D	D15	LD CP	FRANKLIN, NC	BDISDTT20090824ACL	109.5
No	W15DR-D	D15	LD CP	MAGGIE VALLEY, ETC, NC	BDCCDTT20120706ABQ	90.6
Yes	W15DY-D	D15	LD CP	MARION, ETC., NC	BLANK0000001742	89.2
Yes	W02AH	D15	LD CP	MARS HILL, NC	BLANK0000054154	102.0
No	WRAZ	D15	DT CP	RALEIGH, NC	BLANK0000034036	361.6
No	WRPX-TV	D15	DT LIC	ROCKY MOUNT, NC	BLANK0000048990	403.0
Yes	W15EF-D	D15	LD LIC	SPARTA, NC	BLANK0000055108	210.5
No	WILM-LD	D15	LD LIC	WILMINGTON, NC	BLANK0000055240	388.7
No	WHWD-LD	D15	LD CP	Winston-Salem, NC	BLANK0000029372	213.0
Yes	WLTX	D15	DT CP	COLUMBIA, SC	BLANK0000028035	177.6
No	W15DC-D	D15	LD CP	FLORENCE, SC	BLANK0000036248	288.8
No	WCYD-LD	D15	LD LIC	MYRTLE BEACH, SC	BLANK0000006413	276.4
No	WCYD-LD	D15	LD CP	MYRTLE BEACH, SC	BLANK0000036537	308.5
No	NEW	D15	LD APP	MYRTLE BEACH, SC	BNPDTL20100409AAX	348.6
Yes	WNSC-TV	D15	DT LIC	ROCK HILL, SC	BLEDT20060111AAK	127.5
No	WCNT-LP	D15-	LD CP	CHATTANOOGA, TN	BLANK0000051756	260.4
Yes	WTNZ	D15	DT CP	KNOXVILLE, TN	BLANK0000055117	182.5
No	WZTV	D15	DT LIC	NASHVILLE, TN	BLCDT20050309ACM	422.5
No	W43BO	D15	LD CP	MARION, ETC., VA	BDISDTL20090910AAZ	231.6
No	WELF-TV	D16	DT LIC	DALTON, GA	BLCDT20130610ACF	274.5
No	WGXA	D16	DT LIC	MACON, GA	BLCDT20070501AAI	265.6
No	WPXA-TV	D16	DT CP	ROME, GA	BLANK0000034338	216.2
No	WKHA	D16	DT LIC	HAZARD, KY	BLANK0000001625	259.9
No	WCEE-LD	D16	LD LIC	CHARLOTTE, NC	BLANK0000005163	160.6
No	WCEE-LD	N16-	TX LIC	CHARLOTTE, NC	BLTT20041025ACE	160.6
Yes	W19CR-D	D16	LD CP	TRYON, NC	BLANK0000053446	39.3
No	WXII-TV	D16	DT CP	WINSTON-SALEM, NC	BLANK0000034697	243.5
No	WKDC-LD	D16	LD CP	COLUMBIA, SC	BLANK0000054557	154.2
No	WJPM-TV	D16	DT CP	FLORENCE, SC	BLANK0000025028	254.9
No	WGGS-TV	D16	DT LIC	GREENVILLE, SC	BLCDT20130925AJI	0.0
Yes	W28DB-D	D16	LD CP	HONEA PATH, SC	BLANK0000052465	0.0
No	WAPK-CD	D16	DC CP	BRISTOL VA/KINGSPORT, TN	BLANK0000034342	167.5
No	WEZK-LP	D16z	LD CP	KNOXVILLE, TN	BLANK0000053923	181.9
No	WJZC-LP	N22+	TX LIC	SEVIERVILLE, TN	BLTTL19901017JE	146.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15

Mask: Full Service

Latitude: 34 56 26.40 N (NAD83)
Longitude: 82 24 40.40 W
Height AMSL: 645.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ERI-AL8-W 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.75

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.5 kW	316.5 m	58.8 km
45.0	9.33	346.9	58.0
90.0	1.42	336.5	47.3
135.0	1.31	337.0	46.9
180.0	6.14	349.6	55.9
225.0	13.5	350.7	60.2
270.0	14.8	340.0	60.2
315.0	14.8	319.7	59.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 337 m

Distance to Canadian border: 748.7 km

Distance to Mexican border: 1707.6 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 241.2 degrees Distance: 243.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 292.8 degrees Distance: 2085.1 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 1.00 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

**IX check failure to BLEDT20060111AAK LIC scenario 1, 2.15% interference caused

POWER DENSITY CALCULATION

PROPOSED W15EJ-D
CHANNEL 15 – HENDERSONVILLE, NORTH CAROLINA
[MODIFICATION OF LMS-0000052464]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Hendersonville facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15.0 kW, an antenna radiation center 30 meters above ground, and the specific elevation pattern for the proposed ERI AL8-W antenna, maximum power density two meters above ground of 0.0067 mW/cm^2 is calculated to occur 15 meters northwest of the base of the tower. Since this is only 2.1 percent of the 0.32 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 15 (476-482 MHz), a grant of this proposal may be considered a minor environmental action with respect to public exposure to non-ionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive non-ionizing radiation.