

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of CABLE AD NET NEW YORK, INC., licensee of digital Low Power Television Station WYBN-LD, Channel 14 in Cobleskill, New York, in support of its displacement Application for Construction Permit to specify operation on Channel 26 from its presently licensed site. This channel change is required due to significant irreparable interference caused to Channel 14 Land Mobile facilities from the licensed operation of WYBN-LD on Channel 14.

It is proposed to mount a directional 8-bay circularly-polarized slotted cylinder antenna at the 39.6-meter level of the existing 54.9-meter communications tower on which the present WYBN-LD antenna is presently mounted. The proposed effective radiated power for the facility is 12.0 kW in the horizontal and vertical planes. Exhibit B is a map upon which the predicted 51 dBu service contour is plotted. Elevation and azimuth patterns for the proposed antenna are provided in Exhibit C.

Exhibit D is a summary report from a TVStudy interference analysis for the proposed facility. Our study employed 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 WYBN-LD facility meets the Commission's interference requirements to all present and repacked full-power and low-power co-channel and adjacent-channel television facilities. It is important to note that the predicted interference to full-power television station WTEN-DT, Channel 26 in Albany, New York (BLCDT-20060104ACC), will be eliminated once WTEN-DT moves to its post-repack channel, Channel 24. Therefore, a waiver of the FCC's contingent

EXHIBIT A

application Rule is hereby requested in this regard, if necessary. WYBN-DT will not construct and operate on Channel 26 until such time as WTEN-DT has ceased operation on Channel 26.

A detailed power density calculation is provided in Exhibit E.

Since no change in the overall height or location of the existing 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

September 26, 2019

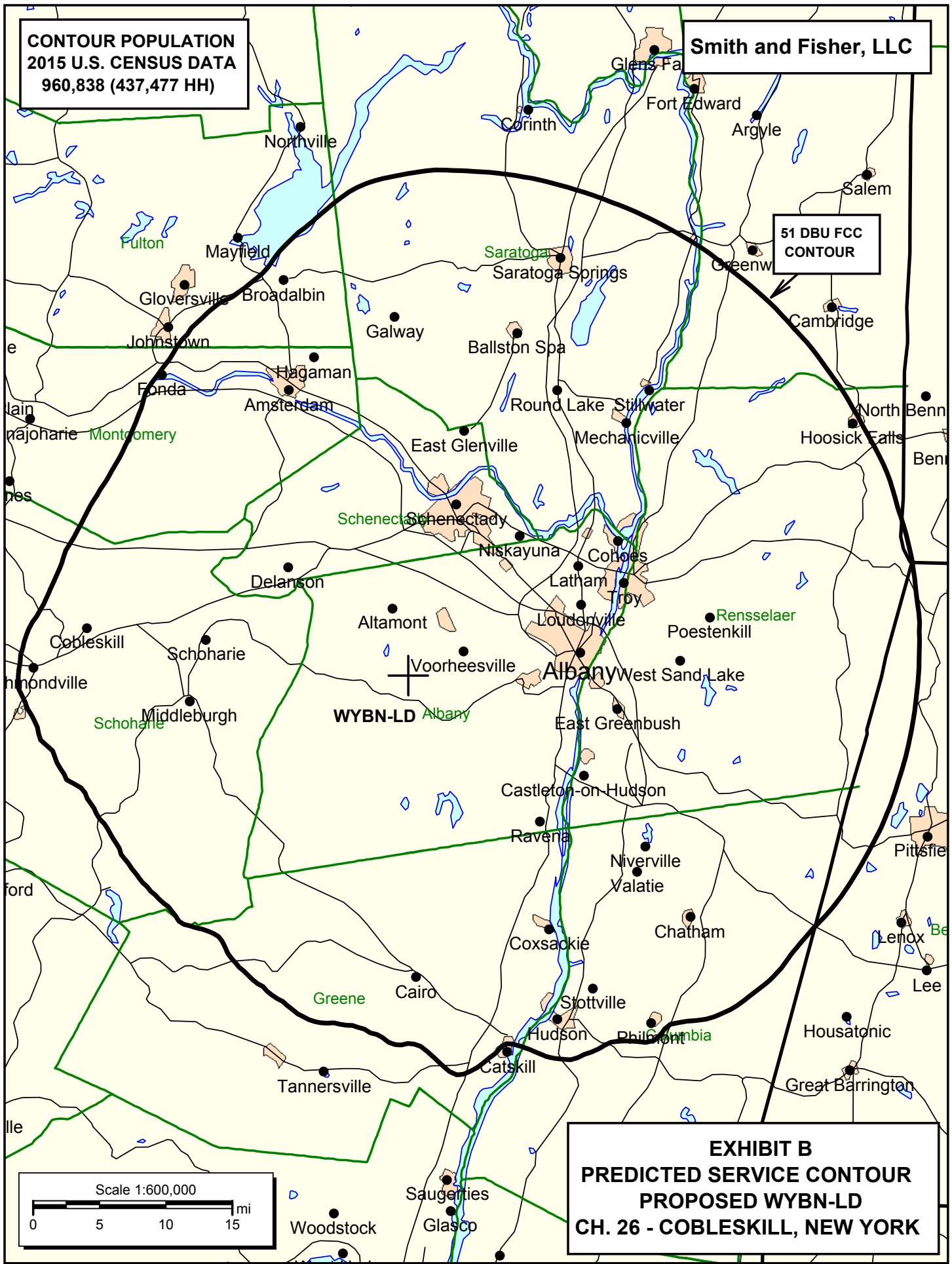
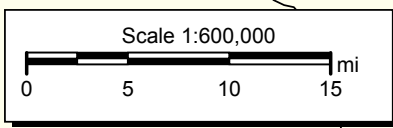
CONTOUR POPULATION
2015 U.S. CENSUS DATA
960,838 (437,477 HH)

Smith and Fisher, LLC

51 DBU FCC
CONTOUR

WYBN-LD Albany

EXHIBIT B
PREDICTED SERVICE CONTOUR
PROPOSED WYBN-LD
CH. 26 - COBLESKILL, NEW YORK



AZIMUTH PATTERN

Type: AL-OC

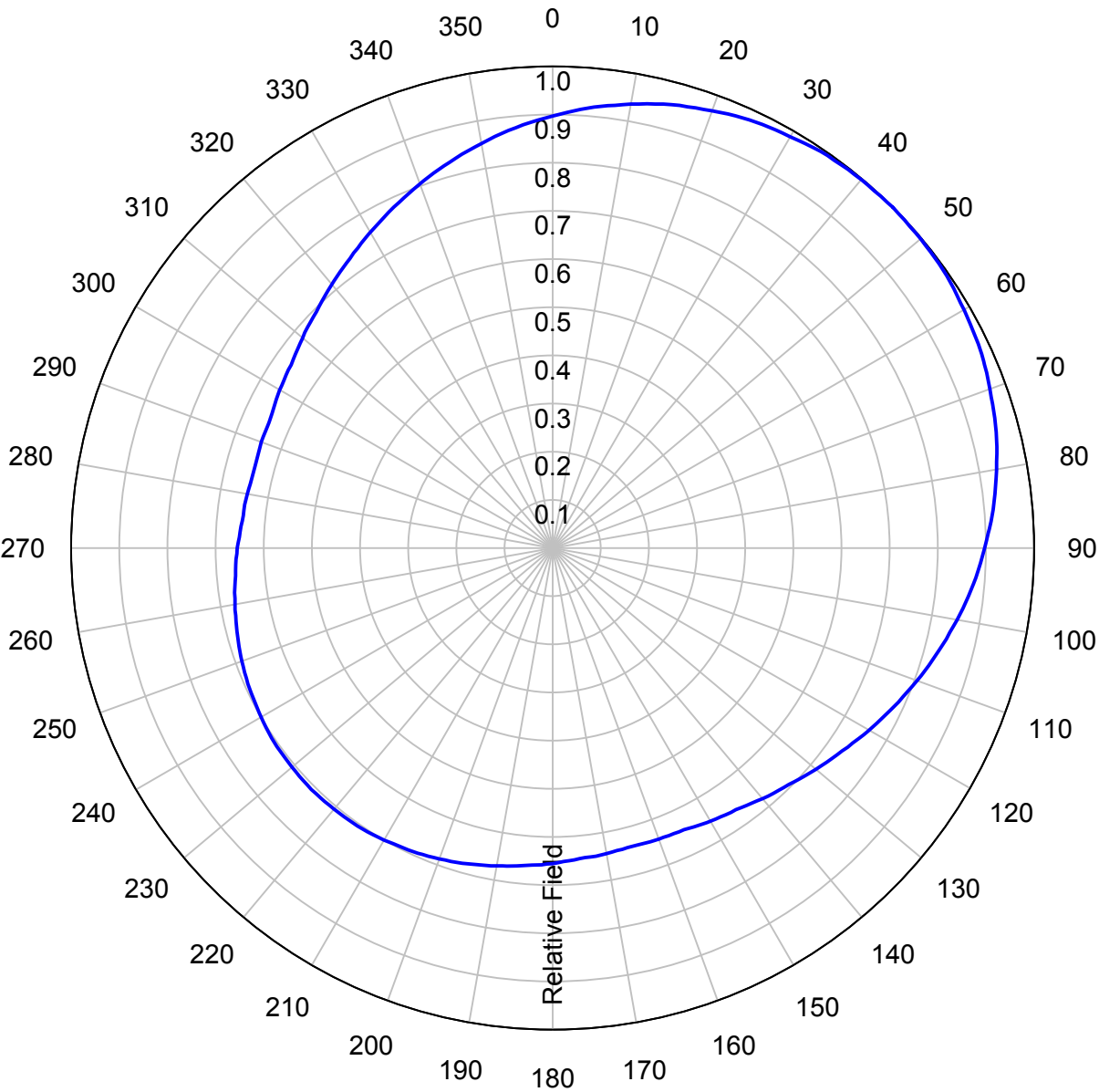
	Numeric	dBd
Directivity:	<u>1.62</u>	<u>2.10</u>
Peak(s) at:		

Channel: 26

Location: _____

Polarization: Horizontal

Note: Pattern shape and directivity may vary with channel and mouting configuration.



Preliminary, subject to final design and review.

TABULATED DATA FOR AZIMUTH PATTERN**Type: AL-OC****PolarizationHorizontal**

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.897	-0.94	92	0.889	-1.02	184	0.660	-3.61	276	0.646	-3.80
2	0.905	-0.87	94	0.881	-1.10	186	0.663	-3.57	278	0.646	-3.80
4	0.914	-0.78	96	0.872	-1.19	188	0.667	-3.52	280	0.644	-3.82
6	0.922	-0.71	98	0.863	-1.28	190	0.670	-3.48	282	0.642	-3.85
8	0.928	-0.65	100	0.853	-1.38	192	0.673	-3.44	284	0.641	-3.86
10	0.936	-0.57	102	0.843	-1.48	194	0.677	-3.39	286	0.641	-3.86
12	0.943	-0.51	104	0.834	-1.58	196	0.681	-3.34	288	0.642	-3.85
14	0.950	-0.45	106	0.824	-1.68	198	0.684	-3.30	290	0.644	-3.82
16	0.956	-0.39	108	0.815	-1.78	200	0.687	-3.26	292	0.644	-3.82
18	0.961	-0.35	110	0.805	-1.88	202	0.690	-3.22	294	0.645	-3.81
20	0.966	-0.30	112	0.795	-1.99	204	0.693	-3.19	296	0.647	-3.78
22	0.972	-0.25	114	0.786	-2.09	206	0.695	-3.16	298	0.651	-3.73
24	0.977	-0.20	116	0.776	-2.20	208	0.697	-3.14	300	0.655	-3.68
26	0.981	-0.17	118	0.767	-2.30	210	0.700	-3.10	302	0.658	-3.64
28	0.984	-0.14	120	0.758	-2.41	212	0.702	-3.07	304	0.662	-3.58
30	0.986	-0.12	122	0.748	-2.52	214	0.704	-3.05	306	0.666	-3.53
32	0.990	-0.09	124	0.739	-2.63	216	0.706	-3.02	308	0.672	-3.45
34	0.994	-0.05	126	0.730	-2.73	218	0.706	-3.02	310	0.678	-3.38
36	0.995	-0.04	128	0.722	-2.83	220	0.707	-3.01	312	0.685	-3.29
38	0.997	-0.03	130	0.714	-2.93	222	0.708	-3.00	314	0.691	-3.21
40	0.998	-0.02	132	0.706	-3.02	224	0.708	-3.00	316	0.698	-3.12
42	0.998	-0.02	134	0.698	-3.12	226	0.708	-3.00	318	0.706	-3.02
44	0.999	-0.01	136	0.691	-3.21	228	0.708	-3.00	320	0.714	-2.93
46	0.999	-0.01	138	0.685	-3.29	230	0.707	-3.01	322	0.722	-2.83
48	0.998	-0.02	140	0.679	-3.36	232	0.706	-3.02	324	0.730	-2.73
50	0.998	-0.02	142	0.672	-3.45	234	0.706	-3.02	326	0.739	-2.63
52	0.997	-0.03	144	0.666	-3.53	236	0.704	-3.05	328	0.748	-2.52
54	0.996	-0.03	146	0.662	-3.58	238	0.702	-3.07	330	0.757	-2.42
56	0.994	-0.05	148	0.658	-3.64	240	0.700	-3.10	332	0.766	-2.32
58	0.990	-0.09	150	0.655	-3.68	242	0.697	-3.14	334	0.776	-2.20
60	0.987	-0.11	152	0.651	-3.73	244	0.695	-3.16	336	0.785	-2.10
62	0.984	-0.14	154	0.647	-3.78	246	0.693	-3.19	338	0.795	-1.99
64	0.981	-0.17	156	0.645	-3.81	248	0.690	-3.22	340	0.805	-1.88
66	0.977	-0.20	158	0.644	-3.82	250	0.687	-3.26	342	0.815	-1.78
68	0.972	-0.25	160	0.643	-3.84	252	0.684	-3.30	344	0.824	-1.68
70	0.966	-0.30	162	0.642	-3.85	254	0.680	-3.35	346	0.834	-1.58
72	0.961	-0.35	164	0.641	-3.86	256	0.677	-3.39	348	0.843	-1.48
74	0.956	-0.39	166	0.641	-3.86	258	0.673	-3.44	350	0.853	-1.38
76	0.950	-0.45	168	0.642	-3.85	260	0.670	-3.48	352	0.863	-1.28
78	0.943	-0.51	170	0.644	-3.82	262	0.667	-3.52	354	0.872	-1.19
80	0.936	-0.57	172	0.646	-3.80	264	0.663	-3.57	356	0.881	-1.10
82	0.929	-0.64	174	0.646	-3.80	266	0.660	-3.61	358	0.889	-1.02
84	0.922	-0.71	176	0.649	-3.76	268	0.658	-3.64	360	0.897	-0.94
86	0.914	-0.78	178	0.651	-3.73	270	0.655	-3.68			
88	0.905	-0.87	180	0.655	-3.68	272	0.651	-3.73			
90	0.897	-0.94	182	0.658	-3.64	274	0.649	-3.76			

Preliminary, subject to final design and review.

TABULATED DATA FOR AZIMUTH PATTERN FCC FILING FORMAT

Type: AL-OC

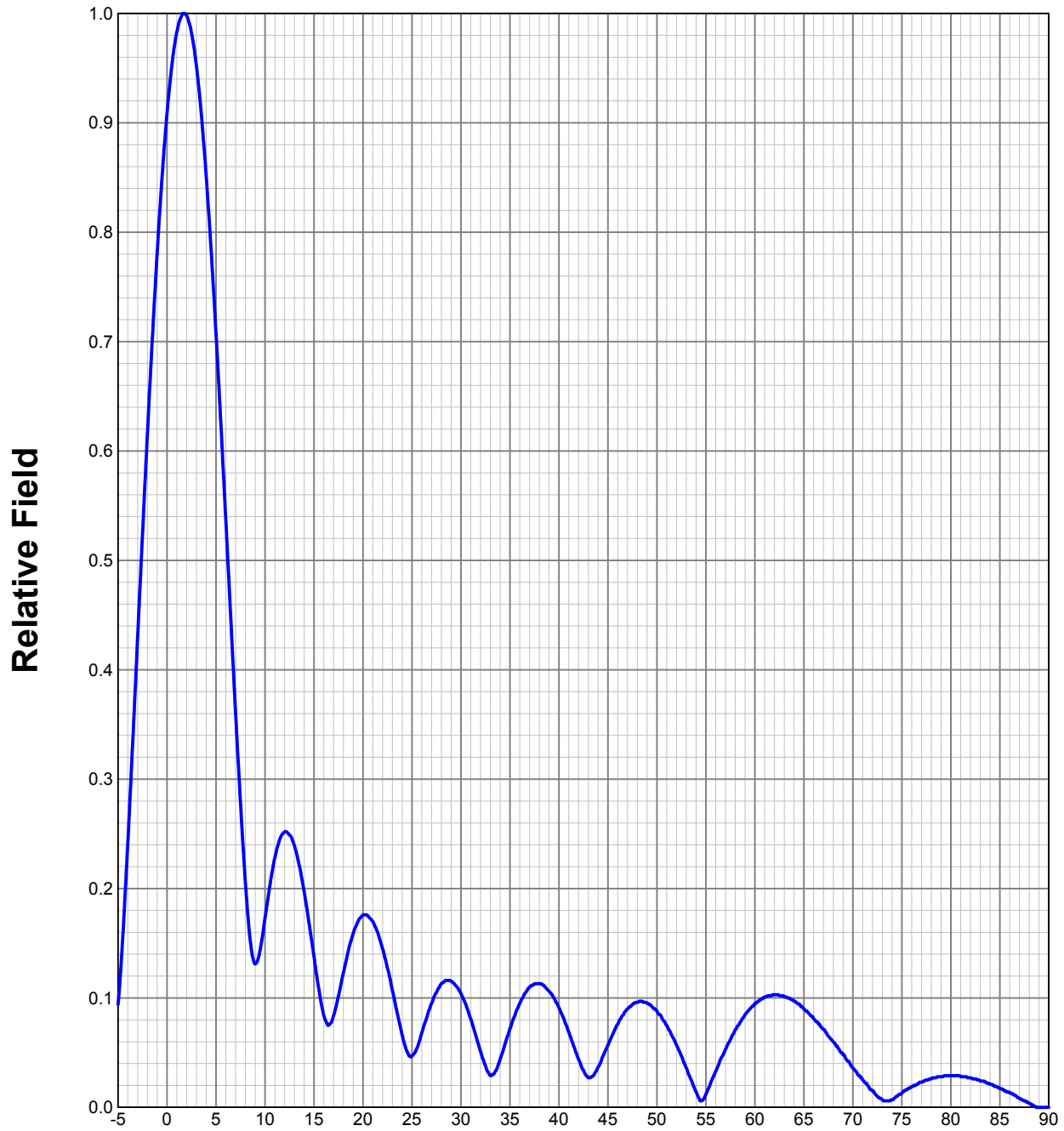
PolarizationHorizontal

ANGLE	FIELD	ERP (kW)	ERP (dBk)
0	0.897	7.738	8.886
10	0.936	8.425	9.256
20	0.966	8.974	9.530
30	0.986	9.350	9.708
40	0.998	9.578	9.813
50	0.998	9.578	9.813
60	0.987	9.368	9.717
70	0.966	8.974	9.530
80	0.936	8.425	9.256
90	0.897	7.738	8.886
100	0.853	6.997	8.449
110	0.805	6.232	7.946
120	0.758	5.526	7.424
130	0.714	4.903	6.904
140	0.679	4.434	6.468
150	0.655	4.126	6.155
160	0.643	3.976	5.995
170	0.644	3.988	6.008
180	0.655	4.126	6.155
190	0.670	4.317	6.352
200	0.687	4.539	6.569
210	0.700	4.712	6.732
220	0.707	4.807	6.819
230	0.707	4.807	6.819
240	0.700	4.712	6.732
250	0.687	4.539	6.569
260	0.670	4.317	6.352
270	0.655	4.126	6.155
280	0.644	3.988	6.008
290	0.644	3.988	6.008
300	0.655	4.126	6.155
310	0.678	4.421	6.455
320	0.714	4.903	6.904
330	0.757	5.511	7.412
340	0.805	6.232	7.946
350	0.853	6.997	8.449

Preliminary, subject to final design and review.

ELEVATION PATTERN

Type:	AL8		Channel:	26
Directivity:	Numeric	dBd	Location:	
Main Lobe:	8.68	9.39	Beam Tilt:	1.75
Horizontal:	7.17	8.56	Polarization:	Horizontal



Preliminary, subject to final design and review.

TVSTUDY INTERFERENCE ANALYSIS RESULTS
 PROPOSED WYBN-LD
 CHANNEL 26 – COBLESKILL, NEW YORK

Study created: 2019.09.26 08:53:09

Study build station data: LMS TV 2019-09-11

Proposal: WYBN-LD D26 LD LIC COBLESKILL, NY

File number: BLANK0000059514

Facility ID: 130304

Station data: User record

Record ID: 641

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	WCRN-LD	D25+	LD	LIC	BOSTON, MA	BLANK0000013903	191.1 km
No	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000054140	212.8
No	WSKA	D25	DT	LIC	CORNING, NY	BLANK0000080258	257.5
No	W25DY-D	D25	LD	LIC	MONTICELLO, NY	BLDTT20100506AEI	121.0
No	WASA-LD	D25	LD	LIC	New York, NY	BLDTL20091222AQB	208.0
No	WMHT	D25	DT	CP	SCHENECTADY, NY	BLANK0000035673	0.3
No	WTVU-CD	D25	DC	CP	SYRACUSE, NY	BLANK0000034939	182.1
No	WCNY-TV	D25	DT	LIC	SYRACUSE, NY	BMLEDT20040916ABJ	175.5
No	W25AT-D	D25	LD	LIC	TUPPER LAKE, NY	BLDTT20110425ABT	174.4
No	WYOU	D25	LD	LIC	SCRANTON, PA	BLCDDT20091211ACN	160.8
No	WJAR	D25	DT	CP	PROVIDENCE, RI	BLANK0000034380	239.6
No	W40BO-D	D26-	LD	CP	BOSTON, MA	BLANK0000052296	231.2
Yes	WGGB-TV	D26	DT	CP	SPRINGFIELD, MA	BLANK0000024834	119.7
No	WBFF	D26	DT	CP	BALTIMORE, MD	BLANK0000025699	427.6
No	WMTW	D26	LD	LIC	POLAND SPRING, ME	BLCDDT20100423ABV	324.9
No	WYCU-LD	D26	LD	LIC	CHARLESTOWN, ETC., NH	BLDTL20121214ABJ	163.3
No	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	329.0
Yes	WFUT-DT	D26	DT	CP	NEWARK, NJ	BLANK0000077919	208.9
Yes	WTEN	D26	DT	LIC	ALBANY, NY	BLCDDT20060104ACC	0.3
No	W26BF	N26-	TX	LIC	ELMIRA, NY	BLTTL19960111AB	234.7
No	WYXN-LD	D26	LD	LIC	NEW YORK, NY	BLDTL20091123AAX	209.1
No	WNYJ-LD	D26-	LD	LIC	New York, NY	BLANK0000049187	205.4

No	WNYJ-LD	N26-	TX LIC	New York, NY	BLTTL20070223AHI	150.9
No	W26CE	N26-	TX LIC	NEW YORK, NY	BLTTL20080306ABU	222.3
No	W26EP-D	D26	LD CP	POTSDAM, NY	BNPDTL20090825BCA	238.8
No	WGCE-CD	D26	DC CP	ROCHESTER, NY	BLANK0000033855	296.5
No	W26DC-D	D26	LD LIC	ROSLYN, NY	BLDTT20140310ADR	205.1
Yes	WPBS-DT	D26	DT CP	WATERTOWN, NY	BLANK0000074581	195.4
Yes	WPBS-DT	D26	DT LIC	WATERTOWN, NY	BLANK0000081158	195.4
No	W39EB-D	D26	LD CP	WHITE LAKE, NY	BLANK0000052128	124.6
No	WYLN-CD	D26+	DC LIC	HAZLETON, PA	BLANK0000078812	244.9
No	W26CV-D	D26	LD LIC	MANSFIELD, PA	BLDTT20090810AAC	258.7
No	KYW-TV	D26	DT LIC	PHILADELPHIA, PA	BLCDDT20090326ABH	305.2
No	WNEP-TV	D26	LD CP	SCRANTON, PA	BLANK0000053449	160.8
No	W42DG-D	D26	LD CP	STATE COLLEGE, PA	BLANK0000040781	385.7
No	WUNI	D27	DT LIC	MARLBOROUGH, MA	BLANK0000030092	208.0
No	WUNI	D27	DT CP	MARLBOROUGH, MA	BLANK0000035720	231.8
Yes	WNYT	D27	LD CP	ALBANY, NY	BLANK0000053981	35.8
No	WIVT	D27	DT CP	BINGHAMTON, NY	BLANK0000028447	170.8
No	WIXT-CD	D27	DC CP	DEWITT, NY	BLANK0000034942	175.0
No	WNYW	D27	DT LIC	NEW YORK, NY	BLANK0000079881	212.8
No	WFXV	D27	DT LIC	UTICA, NY	BLCDDT20090331ADG	111.0
No	WOLF-TV	D27	LD CP	HAZLETON, PA	BLANK0000054833	160.8
No	W16AL	D27+	LD CP	BURLINGTON, VT	BLANK0000054673	211.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Mask: Full Service
Latitude: 42 37 39.40 N (NAD83)
Longitude: 74 0 37.40 W
Height AMSL: 591.3 m
HAAT: 0.0 m
Peak ERP: 12.0 kW
Antenna: 20.0 deg
Elev Pattn: Generic
Elec Tilt: 1.75

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	9.66 kW	472.1 m	62.3 km
45.0	12.0	497.0	64.4
90.0	9.66	503.4	63.2
135.0	5.78	435.1	57.8

180.0	5.15	203.9	45.8
225.0	6.03	122.8	41.5
270.0	5.15	253.6	48.5
315.0	5.78	215.3	47.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 338 m

Proposal 24.95 dBu contour does not cross Canadian border

Distance to Canadian border: 246.8 km

Distance to Mexican border: 2785.4 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 277.9 degrees Distance: 267.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 274.6 degrees Distance: 2602.5 km

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 BLCDT20060104ACC LIC scenario 1, 48.70% interference caused

---- Below is IX received by proposal BLANK0000059514 ----

Proposal receives 4.13% interference from scenario 1

Proposal receives 4.13% interference from scenario 2

POWER DENSITY CALCULATION

PROPOSED WYBN-LD
CHANNEL 26 – COBLESKILL, NEW YORK

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Cobleskill facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 12.0 kW (H, V), an antenna radiation center 39.6 meters above ground, and the specific elevation pattern for the proposed ERI AL8-26-PL antenna, maximum power density two meters above ground of 0.0058 mW/cm^2 is calculated to occur 20 meters northeast of the base of the tower. Since this is only 1.6 percent of the 0.36 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 26 (542-548 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.