

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 26 in Cobleskill, New York, in support of its request for an engineering Special Temporary Authority (STA) to operate a distributed transmission network (DTS) node near Pittsfield, Massachusetts.

It is proposed to mount a directional 1-bay horizontally-polarized panel antenna at the 58-meter level of an existing 60.9-meter silo in Shaker Village, Massachusetts. The proposed effective radiated power for the facility is 0.1 kW in the horizontal plane. Exhibit B is a map upon which the predicted 51 dBu service contour of the DTS node is plotted. In Exhibit C, we have plotted the proposed site in relation to the licensed WYBN-LD 51 dBu F(50,90) service contour. As shown, the proposed site is located within that contour, as required by Commission Rules. Exhibit D is a map on which the licensed WYBN-LD and the proposed Pittsfield DTS node 51 dBu F(50,50) contours are plotted. It illustrates that the proposed DTS contour is located within that of the WYBN-LD main facility in Cobleskill, another requirement for FCC approval of an LPTV DTS facility. An azimuth pattern for the proposed antenna is provided in Exhibit E.

Exhibit F 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 simple mask filter. The results indicate that the proposed WYBN-LD facility meets the Commission's interference requirements to all licensed, authorized and proposed full-power and low-power co-channel and adjacent-channel television facilities.

EXHIBIT A

A detailed power density calculation is provided in Exhibit E.

Since no change in the overall height or location of the existing silo is proposed herein, the Federal Aviation Administration has not been notified of this application and, for the same reasons, 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, cursive-like script.

KEVIN T. FISHER

June 15, 2022

**CONTOUR POPULATION
2020 U.S. CENSUS DATA
27,385 (13,732 HOUSEHOLDS)**

SMITH AND FISHER, LLC

Hancock

MASSACHUSETTS

NEW YORK

**FCC 51 DBU
CONTOUR**

Lanesborough

Pittsfield

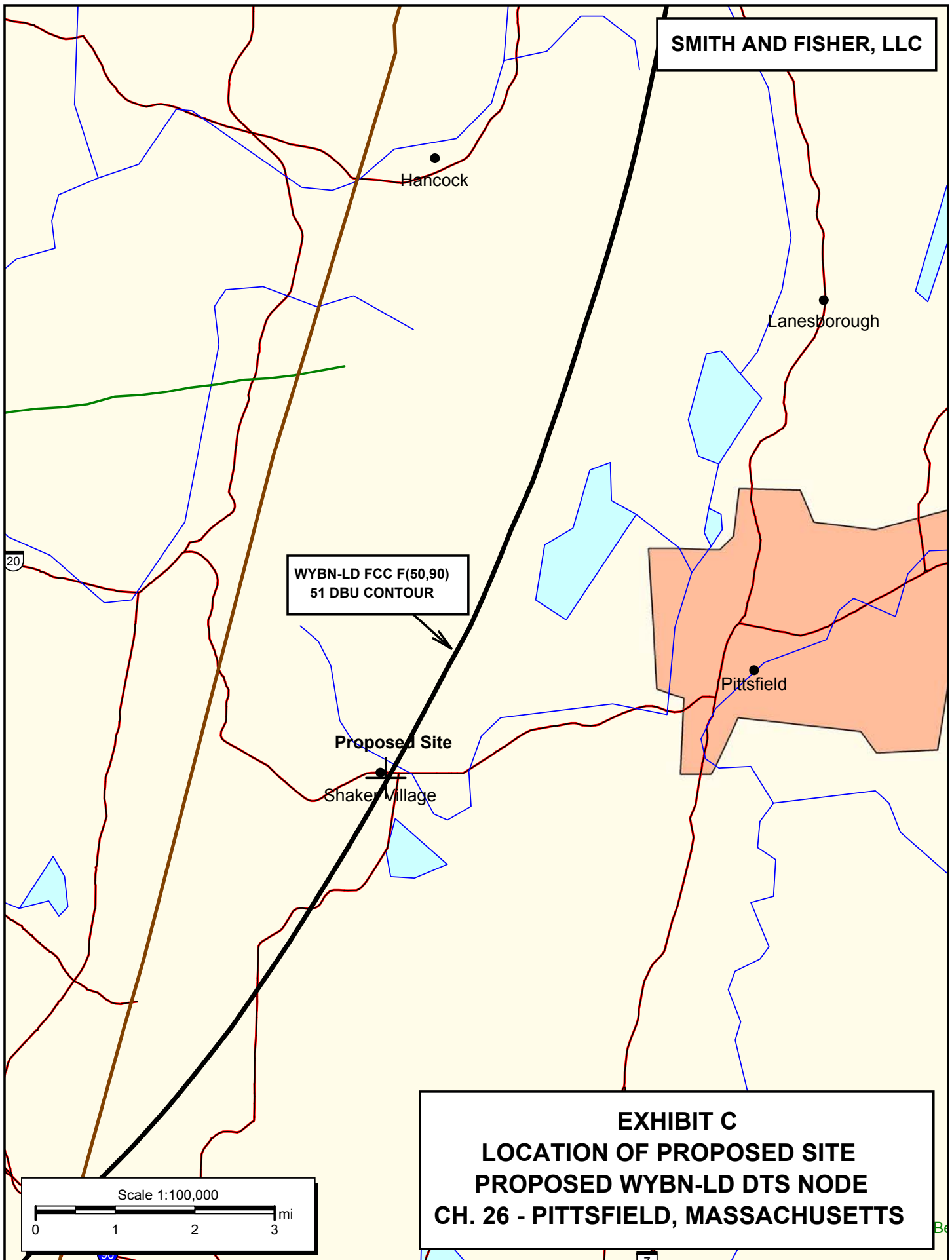
Proposed Site

Shaker Village

Scale 1:100,000

0 1 2 3 mi

**EXHIBIT B
PREDICTED SERVICE CONTOUR
PROPOSED WYBN-LD DTS NODE
CH. 26 - PITTSFIELD, MASSACHUSETTS**



SMITH AND FISHER, LLC

**WYBN-LD FCC F(50,50)
51 DBU CONTOUR**

**DTS NODE FCC F(50,50)
51 DBU CONTOUR**

Hancock

Leicester

Pittsfield

Proposed Site

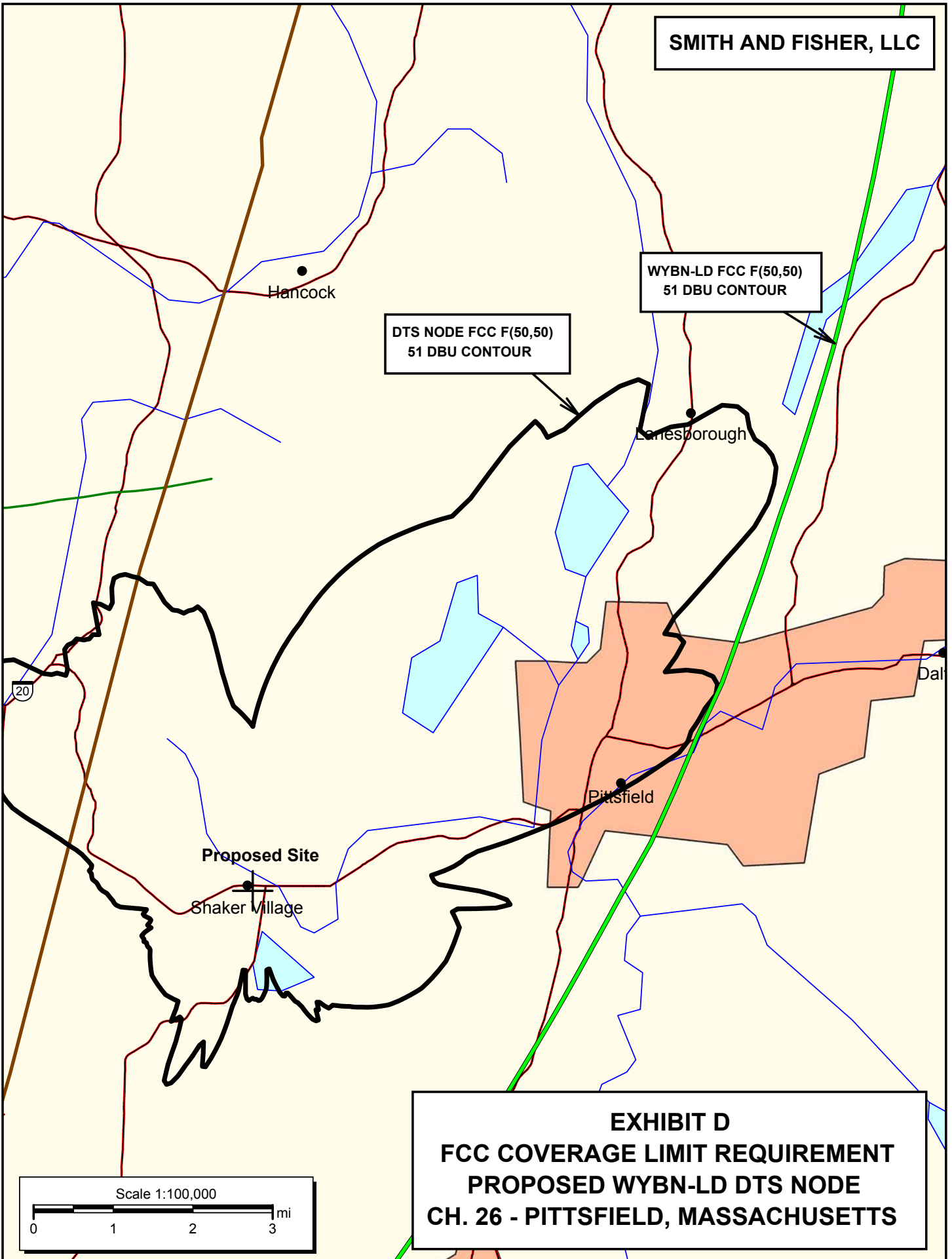
Shaker Village

Dal

Scale 1:100,000

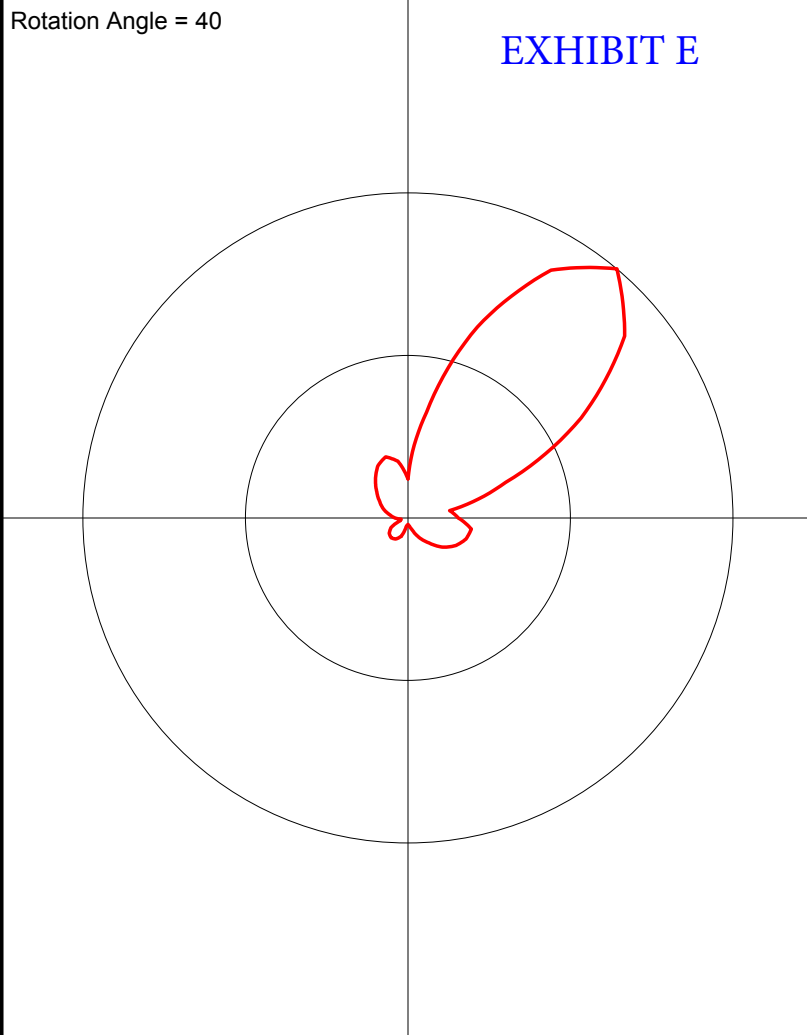
0 1 2 3 mi

**EXHIBIT D
FCC COVERAGE LIMIT REQUIREMENT
PROPOSED WYBN-LD DTS NODE
CH. 26 - PITTSFIELD, MASSACHUSETTS**



Antenna Pattern

Post-Rotation Antenna Pattern....



Azimuth (deg)	Relative Field
0.0	0.12
10.0	0.33
20.0	0.625
30.0	0.88
40.0	1.0
50.0	0.87
60.0	0.615
70.0	0.32
80.0	0.13
90.0	0.155
100.0	0.198
110.0	0.19
120.0	0.17
130.0	0.14
140.0	0.1
150.0	0.07
160.0	0.04
170.0	0.025
180.0	0.02
190.0	0.025
200.0	0.06
210.0	0.075
220.0	0.08
230.0	0.075
240.0	0.06
250.0	0.025
260.0	0.021
270.0	0.04
280.0	0.057
290.0	0.08
300.0	0.1
310.0	0.125
320.0	0.155
330.0	0.185
340.0	0.2
350.0	0.177

TVSTUDY INTERFERENCE ANALYSIS RESULTS
 PROPOSED WYBN-LD DTS STA FACILITY
 CHANNEL 26 - PITTSFIELD, MASSACHUSETTS

Study created: 2022.06.15 15:31:27

Study build station data: LMS TV 2022-06-10
 Proposal: WYBN-LD D26 DD LIC COBLESKILL, NY
 File number: BLANK0000123807
 Facility ID: 130304
 Station data: User record
 Record ID: 1380
 Country: U.S.
 Ref. lat.: 42 37 39.40 N
 Ref. long.: 74 00 37.40 W
 # DTS sites: 2

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WWOR-TV	D25	DT	LIC	SECAUCUS, NJ	BLANK0000054140	212.8 km
No	WSKA	D25	DT	LIC	CORNING, NY	BLANK0000080258	257.5
Yes	WMHT	D25	DT	LIC	SCHENECTADY, NY	BLANK0000184994	0.3
No	WTVU-CD	D25	DC	LIC	SYRACUSE, NY	BLANK0000107995	182.1
No	WJAR	D25	DT	LIC	PROVIDENCE, RI	BLANK0000087546	239.6
Yes	WGGB-TV	D26	DT	LIC	SPRINGFIELD, MA	BLANK0000083684	119.7
No	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000136477	427.6
No	WQAV-CD	D26	DC	LIC	GLASSBORO, NJ	BLANK0000079835	329.0
No	WQAV-CD	D26	DC	CP	GLASSBORO, NJ	BLANK0000164899	305.4
No	WQAV-CD	D26	DC	APP	GLASSBORO, NJ	BLANK0000193119	305.4
Yes	WFUT-DT	D26	DT	LIC	NEWARK, NJ	BLANK0000177210	208.9
No	WGCE-CD	D26	DC	LIC	ROCHESTER, NY	BLANK0000116989	296.5
Yes	WPBS-TV	D26	DT	LIC	WATERTOWN, NY	BLANK0000081158	195.4
No	WYLN-LP	D26+	DC	LIC	HAZLETON, PA	BLANK0000078812	244.9
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	208.0
No	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	170.8
No	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	212.8
No	WMJQ-CD	D27	DC	LIC	SYRACUSE, NY	BLANK0000121173	182.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied, DTS site # 1:

Channel: D26

Latitude: 42 25 49.80 N (NAD83)

Longitude: 73 20 11.80 W

Height AMSL: 415.5 m

HAAT: 1.0 m

Peak ERP: 0.100 kW

Antenna: Scala 4DR-2HN 0.0 deg

Elev Pattn: Generic

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.002 kW	-73.1 m	6.9 km
45.0	0.100	70.5	26.5
90.0	0.002	45.4	8.3
135.0	0.002	-1.2	6.8
180.0	0.000	82.9	4.4
225.0	0.000	-19.0	5.1
270.0	0.000	80.1	5.1
315.0	0.002	100.7	11.5

Database HAAT does not agree with computed HAAT

Database HAAT: 1 m Computed HAAT: 36 m

Record parameters as studied, DTS site # 2:

Channel: D26

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: ERI-AL8-26-PL CP (ID 1007414) 0.0 deg

Elev Pattn: Generic

Elec Tilt: 1.75

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	9.66 kW	472.1 m	77.0 km
45.0	12.0	497.0	79.5
90.0	9.66	503.4	78.3
135.0	5.82	435.1	72.1
180.0	5.15	203.9	57.3
225.0	6.00	122.8	52.8
270.0	5.15	253.6	60.4
315.0	5.81	215.3	58.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 338 m

DTS proposal coverage is within reference facility and distance limit

**Proposal is within coordination distance of Canadian border

Distance to Canadian border: 246.8 km

Distance to Mexican border: 2785.4 km

Conditions at FCC monitoring station: Canandaigua NY

DTS site # 1 Bearing: 280.8 degrees Distance: 325.5 km

DTS site # 2 Bearing: 277.9 degrees Distance: 267.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

DTS site # 1 Bearing: 275.4 degrees Distance: 2659.4 km

DTS site # 2 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%

No IX check failures found.

POWER DENSITY CALCULATION

PROPOSED WYBN-LD DTS STA
CHANNEL 26 – PITTSFIELD, MASSACHUSETTS

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Pittsfield facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 0.1 kW, an antenna radiation center 58 meters above ground, and assuming a vertical relative field value of 40% at the steeper elevation angles for the proposed Scala antenna, maximum power density two meters above ground of 0.00017 mW/cm^2 is calculated to occur near the base of the tower. Since this is less than 0.1 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.