

FI 184458 W20EO-D

Minor Modification: Change ASR to 1037386, reduce ERP and change antenna. Controlled access site, no new construction.

ASR 1037386 is outside of the Washington DC 121 km zone and the Baltimore zone.

Study created: 2022.07.22 10:34:49

Study build station data: LMS TV 2022-07-21

Proposal: W20EO-D D20 LD CP SALISBURY, MD  
File number: ASR 1037386 100W@160  
Facility ID: 184458  
Station data: User record  
Record ID: 228  
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	WRUE-LD	D19	LD	LIC	SALISBURY, MD	BLANK0000178767	31.5 km
No	WAVY-TV	D19	DT	LIC	PORTSMOUTH, VA	BLANK0000125371	190.9
No	WDME-CD	D20	DC	LIC	WASHINGTON, DC	BLANK0000189615	138.3
No	WQAW-LD	D20	LD	LIC	LAKE SHORE, MD	BLANK0000122659	107.7
No	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	419.8
No	W20CQ-D	D20	LD	LIC	HEMPSTEAD, NY	BLDRTL20130912ABS	325.8
No	W20EF-D	D20	LD	LIC	NEW YORK, NY	BLANK0000053224	298.8
No	W20EU-D	D20	LD	LIC	CHAMBERSBURG, PA	BLANK0000159182	257.8
No	WPGH-TV	D20	DT	LIC	PITTSBURGH, PA	BLANK0000112578	440.6
No	W20EI-D	D20	LD	LIC	TOWANDA, PA	BLANK0000120366	372.2
No	W20AD-D	D20	LD	LIC	WILLIAMSPORT, PA	BLDTT20090810AAD	338.2
No	WHSV-TV	D20	DT	LIC	HARRISONBURG, VA	BLANK0000063970	320.7
No	WGNT	D20	DT	LIC	PORTSMOUTH, VA	BLANK0000118341	191.9
No	WMPT	D21	DT	LIC	ANNAPOLIS, MD	BLANK0000136496	107.7
No	WEFG-LD	D21	LD	CP	PHILADELPHIA, PA	BLANK0000062985	191.7
No	WVBT	D21	DT	LIC	VIRGINIA BEACH, VA	BLANK0000125111	190.9
No	WRZH-LD	N27+	TX	LIC	RED LION-HARRISBURG, PA	BLTTL19870929IH	88.8

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WJDY 1470 L DA2 N SALISBURY, MD BL

WJDY 1470 L DAD D SALISBURY, MD BL

Record parameters as studied:

Channel: D20  
Mask: Simple  
Latitude: 38 23 47.80 N (NAD83)  
Longitude: 75 38 53.00 W  
Height AMSL: 23.8 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 0.100 kW  
Antenna: samcol60 160.0 deg  
Elev Pattn: Generic

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.001 kW	10.3 m	3.5 km
45.0	0.004	9.8	4.6
90.0	0.004	9.1	4.8

135.0	0.068	12.6	9.5
180.0	0.079	15.5	9.8
225.0	0.007	20.6	5.5
270.0	0.003	18.6	4.5
315.0	0.001	15.0	3.6

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 14 m

Distance to Canadian border: 565.2 km

Distance to Mexican border: 2421.6 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 310.4 degrees    Distance: 132.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 283.8 degrees    Distance: 2540.6 km

No land mobile station failures found

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

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

No IX check failures found.

### Washington DC

BNPDTL-20100204AAW

Latitude: 38-53-51 N

Longitude: 077-00-33 W

ERP: 3.00 kW

Channel: 35

Frequency: 599.0 MHz

AMSL Height: 107.2 m

Elevation: 12.2 m

Horiz. Pattern: Directional

Vert. Pattern: Yes

Elec Tilt: 0.75

Prop Model: Longley-Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 10.0 m

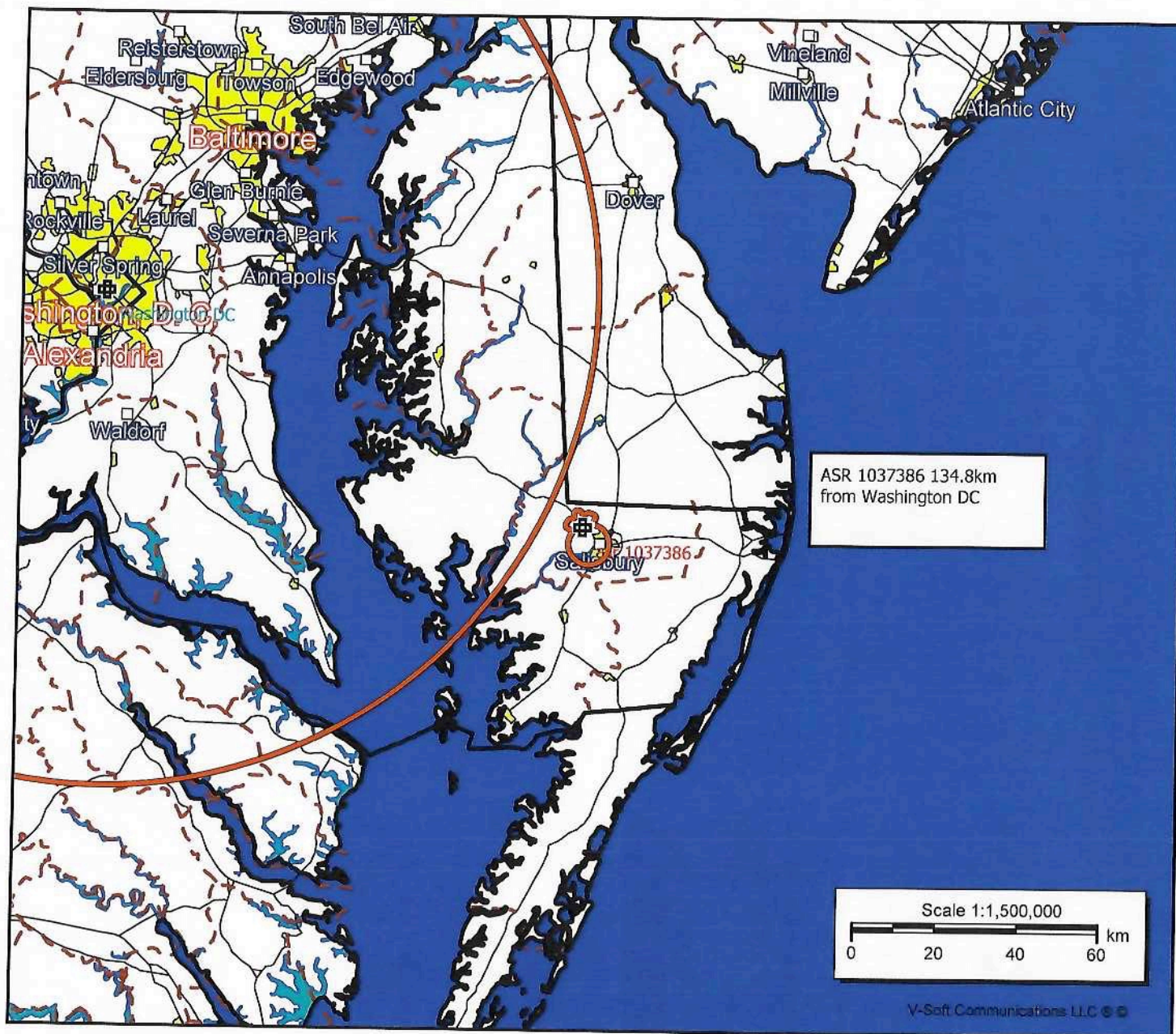
Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

Line of Sight





**baltimore**

BNPDTL-20100204AAW

Latitude: 39-17-26 N

Longitude: 076-35-45 W

ERP: 3.00 kW

Channel: 35

Frequency: 599.0 MHz

AMSL Height: 107.2 m

Elevation: 12.2 m

Horiz. Pattern: Directional

Vert. Pattern: Yes

Elec Tilt: 0.75

Prop Model: Longley-Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0


Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 90.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

 Line of Sight