



April 3, 2023

Application for Special Temporary Authority (STA)

WVPT-TV has been granted a construction permit to move its DTS facilities from channel 12 to channel 15. In the process of building the new facilities, WVPT-TV will need to move the channel 12 antenna to an existing nearby location so the station may stay on the air during the channel change. This will free up space for the channel 15 antenna on the existing WVPT-TV tower. The distance of the move to the temporary tower is 27 meters. No other changes are proposed for WVPT-TV's other DTS transmitters.

The temporary site coordinates are:

38-09-53.9 N, 79-18-49.97 W. Proposed ERP = 7 kW.

Base elev. AMSL = 1,324 m, COR AG = 10 m, COR AMSL = 1,334 m, HAAT = 688.51, (36 Radials-FCC 30m)

Page #2 of this exhibit is a map of the existing and proposed service contours. Page #3 is a distance to contour and depression angle table.

The proposed temporary facility will continue to serve the principal city, Staunton, with its city-grade signal.

The proposed temporary noise-limited service contour does not extend the licensed coverage on any azimuth.

The temporary tower is an existing structure within the same fenced area as WVPT. All warnings signs are properly placed. The public and workers will be fully protected within the controlled area.

The proposed antenna will be the Kathrein, K523157/RR. Page #4 is the azimuth pattern for this antenna.

The applicant expects the new antenna to be in place for at least 6 weeks while the channel 15 work on the licensed tower is done.

Page #6 is a certification of the qualifications of the preparer.

WVPT1-Pro - Temp

0000055362

Latitude: 38-09-53.90 N

Longitude: 079-18-49.97 W

ERP: 7.00 kW

Channel: 12

Frequency: 207.0 MHz

AMSL Height: 1334.0 m

Horiz. Pattern: Directional

WVPT1-Lic

0000055362

Latitude: 38-09-54.40 N

Longitude: 079-18-50.10 W

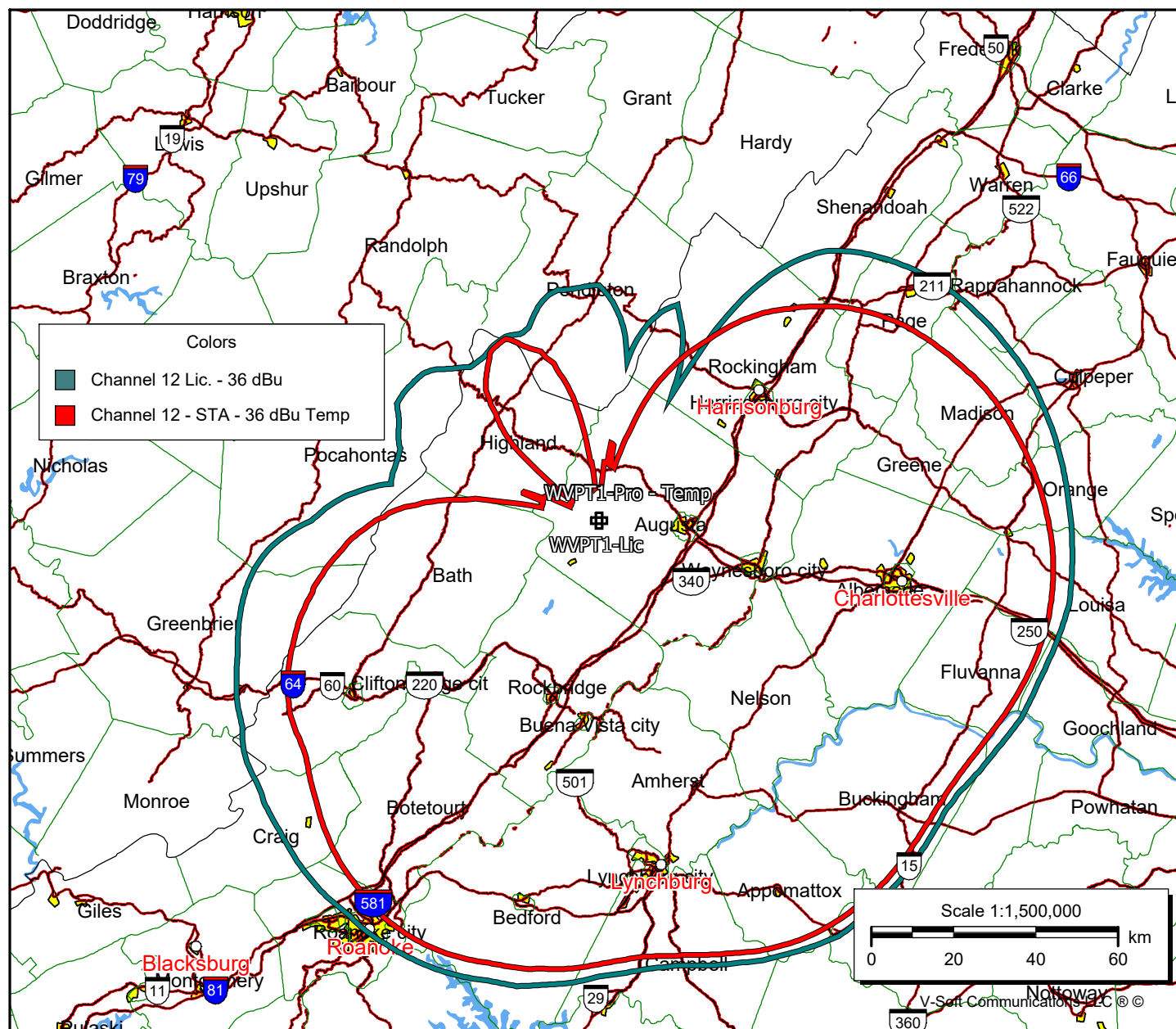
ERP: 10.00 kW

Channel: 12

Frequency: 207.0 MHz

AMSL Height: 1333.0 m

Horiz. Pattern: Directional

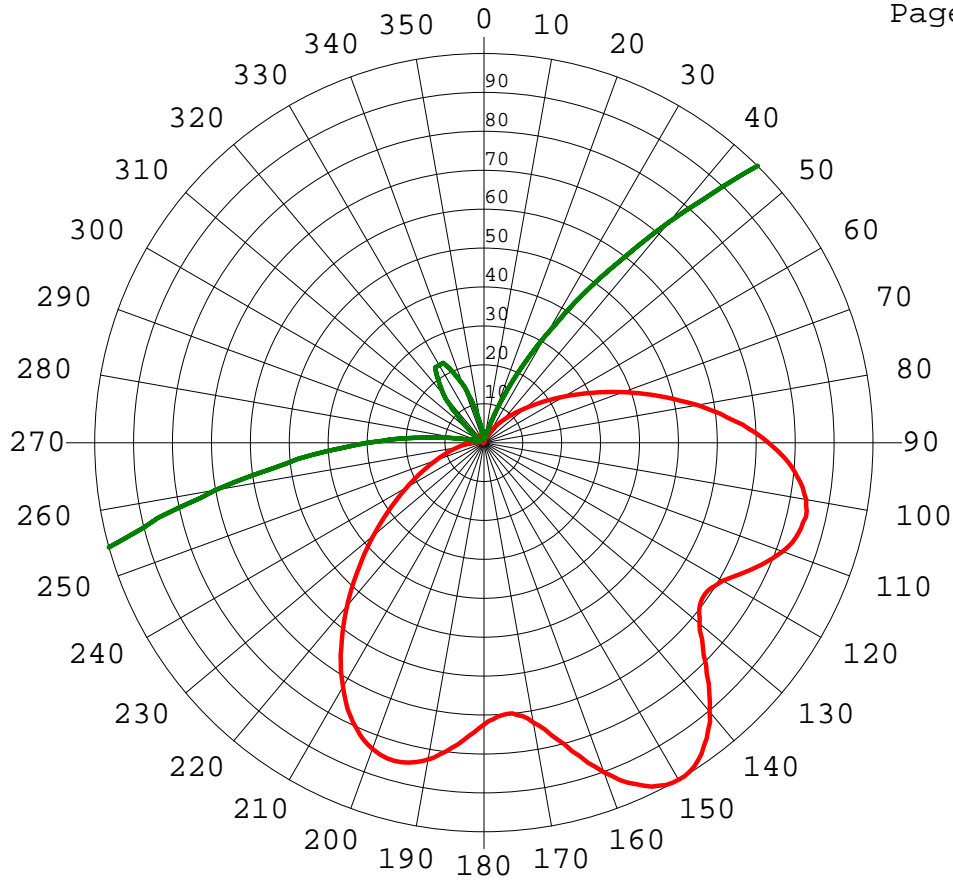


N. Lat. = 380953.9 W. Lng. = 791850.0
 HAAT and Distance to Contour,
 FCC OET,TV 3.2 - 16.1, 130 pts - FCC 30 Meter
 Electrical Beam Tilt = 1 Degrees

DTC and Depression Angles

Azi.	AV EL	HAAT	ERP kW	dBk	Field	DAng	VFld	D-kW	%Max	D-dBk	36-F9
000	654.2	679.8	0.0000	-51.55	0.001	0.722	0.999	0.0000	99.9	-51.55	8.03
010	714.9	619.1	0.0001	-42.01	0.003	0.689	0.999	0.0001	99.9	-42.01	18.83
020	827.8	506.2	0.0003	-34.65	0.007	0.623	0.998	0.0003	99.8	-34.65	27.20
030	825.1	508.9	0.0072	-21.45	0.032	0.625	0.998	0.0071	99.8	-21.45	48.85
040	729.2	604.8	0.0383	-14.16	0.074	0.681	0.999	0.0382	99.9	-14.16	66.23
050	618.4	715.6	0.1314	-8.81	0.137	0.741	0.999	0.1311	99.9	-8.81	79.88
060	567.1	766.9	0.3932	-4.05	0.237	0.767	0.999	0.3925	99.9	-4.05	89.89
070	524.7	809.3	1.0108	0.05	0.380	0.788	0.999	1.0091	99.9	0.05	98.37
080	548.3	785.7	2.1717	3.37	0.557	0.776	0.999	2.1679	99.9	3.37	104.30
090	554.2	779.8	3.7405	5.73	0.731	0.774	0.999	3.7338	99.9	5.73	108.87
100	548.6	785.4	4.9510	6.95	0.841	0.776	0.999	4.9421	99.9	6.95	111.41
110	575.8	758.2	4.6724	6.70	0.817	0.763	0.999	4.6636	99.9	6.70	110.35
120	591.7	742.3	3.5188	5.46	0.709	0.755	0.999	3.5119	99.9	5.46	107.53
130	606.5	727.5	3.6591	5.63	0.723	0.747	0.999	3.6517	99.9	5.63	107.52
140	621.2	712.8	5.6952	7.56	0.902	0.740	0.999	5.6834	99.9	7.56	111.02
150	609.4	724.6	7.0000	8.45	1.000	0.746	0.999	6.9858	99.9	8.45	113.10
160	613.7	720.3	5.6826	7.55	0.901	0.743	0.999	5.6709	99.9	7.55	111.19
170	632.9	701.1	3.7303	5.72	0.730	0.733	0.999	3.7224	99.9	5.72	107.03
180	606.8	727.2	3.6692	5.65	0.724	0.747	0.999	3.6618	99.9	5.65	107.54
190	597.2	736.8	4.7759	6.79	0.826	0.752	0.999	4.7665	99.9	6.79	110.07
200	558.1	775.9	4.9040	6.91	0.837	0.772	0.999	4.8950	99.9	6.91	111.14
210	550.3	783.7	3.6692	5.65	0.724	0.775	0.999	3.6626	99.9	5.65	108.78
220	647.8	686.2	2.0945	3.21	0.547	0.726	0.999	2.0899	99.9	3.21	101.60
230	758.5	575.5	0.9583	-0.18	0.370	0.665	0.999	0.9557	99.9	-0.18	92.08
240	672.4	661.6	0.3639	-4.39	0.228	0.712	0.999	0.3631	99.9	-4.39	86.56
250	654.6	679.4	0.1201	-9.20	0.131	0.722	0.999	0.1199	99.9	-9.20	77.98
260	646.0	688.0	0.0343	-14.65	0.070	0.727	0.999	0.0342	99.9	-14.65	67.25
270	677.6	656.4	0.0063	-22.01	0.030	0.710	0.999	0.0063	99.9	-22.01	53.91
280	668.0	666.0	0.0003	-35.99	0.006	0.715	0.999	0.0003	99.9	-35.99	30.26
290	667.4	666.6	0.0001	-42.01	0.003	0.715	0.999	0.0001	99.9	-42.01	19.39
300	670.2	663.8	0.0000	-51.55	0.001	0.714	0.999	0.0000	99.9	-51.55	7.99
310	708.6	625.4	0.0001	-39.51	0.004	0.693	0.999	0.0001	99.9	-39.51	23.16
320	736.9	597.1	0.0018	-27.47	0.016	0.677	0.999	0.0018	99.9	-27.47	42.62
330	699.6	634.4	0.0037	-24.31	0.023	0.698	0.999	0.0037	99.9	-24.31	49.41
340	698.2	635.8	0.0018	-27.47	0.016	0.698	0.999	0.0018	99.9	-27.47	44.11
350	655.8	678.2	0.0001	-39.51	0.004	0.721	0.999	0.0001	99.9	-39.51	24.08

Ave El= 645.49 M HAAT= 688.51 M AMSL= 1334 M



Azi	Rel	dBk	kW	dB	Azi	Rel	dBk	kW	dB
0	1.000	8.45	7.000	0.00	180	0.023	-24.31	0.004	-32.77
10	0.901	7.55	5.683	-0.91	190	0.016	-27.47	0.002	-35.92
20	0.730	5.72	3.730	-2.73	200	0.004	-39.51	0.000	-47.96
30	0.724	5.65	3.669	-2.81	210	0.001	-51.55	0.000	-60.00
40	0.826	6.79	4.776	-1.66	220	0.003	-42.01	0.000	-50.46
50	0.837	6.91	4.904	-1.55	230	0.007	-34.65	0.000	-43.10
60	0.724	5.65	3.669	-2.81	240	0.032	-21.45	0.007	-29.90
70	0.547	3.21	2.094	-5.24	250	0.074	-14.16	0.038	-22.62
80	0.370	-0.18	0.958	-8.64	260	0.137	-8.81	0.131	-17.27
90	0.228	-4.39	0.364	-12.84	270	0.237	-4.05	0.393	-12.51
100	0.131	-9.20	0.120	-17.65	280	0.380	0.05	1.011	-8.40
110	0.070	-14.65	0.034	-23.10	290	0.557	3.37	2.172	-5.08
120	0.030	-22.01	0.006	-30.46	300	0.731	5.73	3.741	-2.72
130	0.006	-35.99	0.000	-44.44	310	0.841	6.95	4.951	-1.50
140	0.003	-42.01	0.000	-50.46	320	0.817	6.70	4.672	-1.76
150	0.001	-51.55	0.000	-60.00	330	0.709	5.46	3.519	-2.99
160	0.004	-39.51	0.000	-47.96	340	0.723	5.63	3.659	-2.82
170	0.016	-27.47	0.002	-35.92	350	0.902	7.56	5.695	-0.90

Rotation Angle = 150

**Declaration and
Statement of Qualifications**

I, Douglas L. Vernier, declare that I have received training as an engineer from the University of Michigan, School of Engineering. That, I have received degrees from the University in the field of Broadcast Telecommunications. That, I have been active in broadcast consulting for over 40 years;

That, I have held a Federal Communications Commission First Class Radiotelephone License continually since 1964. In 1985, this license was reissued by the Commission as a lifetime General Radiotelephone license no. PG-16-16464;

That, I am certified as a Professional Broadcast Engineer (#50258) by the Society of Broadcast Engineers, Indianapolis, Indiana. (Life-time Certification received in 2010);

That, my qualifications are a matter of record with the Federal Communications Commission;

That, I have been retained by Virginia Public Media to prepare the engineering showing appended hereto;

That, I have prepared this broadcast engineering showing, the technical information contained in same and the facts stated within are true of my knowledge;

That, under penalty of perjury, I declare that the foregoing is correct.

Douglas L. Vernier

A handwritten signature in blue ink, appearing to read "Doug Vernier", with a large, stylized loop at the end.

Executed on April 3, 2023