



**STATEMENT OF JOHN E. HIDLE, P.E.
IN SUPPORT OF AN APPLICATION FOR
POST REPACK CONSTRUCTION PERMIT
WJAR - PROVIDENCE, RHODE ISLAND
DTV - CH. 25 - 530 kW - 306 m HAAT**

Prepared for: WJAR LICENSEE, LLC

I am a Consulting Engineer, an employee in the firm of Carl T. Jones Corporation, with offices located in Springfield, Virginia. My education and experience are a matter of record with the Federal Communications Commission. I am a Licensed Professional Engineer in the Commonwealth of Virginia, License No. 7418, and in the State of New York, License No. 63418.

GENERAL

This office has been authorized by WJAR LICENSEE, LLC, licensee of WJAR, channel 50, facility ID number 50780, licensed to Providence, Rhode Island, to prepare this statement, FCC Form 2100, Schedule A, its technical sections, and the associated exhibits in support of an application for construction permit, in accordance with the Incentive Auction Closing and Channel Reassignment Public Notice, DA 17-314, and the technical information provided in the confidential reassignment letter from the FCC announcing the substitution for DTV channel 50 with new DTV channel 25 to be used by WJAR for its post-reassignment broadcasting.

DIRECTIONAL ANTENNA

The applicant proposes to install a new Dielectric model TFU-18ETT/VP-R 4C160 elliptically polarized directional transmitting antenna with its center of radiation located at a height above ground of 274.3 meters, and a height above average terrain of 306 meters. The antenna manufacturer's directional horizontal plane azimuth radiation pattern for the horizontally polarized component is shown and tabulated in exhibit 2. The manufacturer's horizontal plane azimuth pattern for the vertically polarized component is shown and tabulated in exhibit 3. The manufacturer's vertical plane elevation radiation pattern, illustrating the antenna's radiation characteristics above and below the horizontal plane is shown and tabulated in Exhibit 4.

PREDICTED COVERAGE CONTOURS

The predicted coverage contours were calculated in accordance with the method described in Section 73.625(b) of the Rules, utilizing the appropriate F(50,90) propagation curves (47 CFR Section 73.699, Figure 9), proposed Effective Radiated Power, and antenna height above average terrain as determined for each profile radial. The average terrain on the eight cardinal radials from 3 kilometers to 16 kilometers from the site, was determined using the NED Three Second US Terrain Database as permitted in the FCC Rules. The antenna site elevation and coordinates were determined from FCC antenna registration data. Exhibit 1 shows the predicted Noise Limited (39.85 dBu) contour, and the principal community (48 dBu) contour. The 48 dBu contour completely encompasses the principal community of license, Providence, Rhode Island.

ALLOCATION CONSIDERATIONS

Post-Transition DTV Considerations

A study was performed, using the FCC's software, tv_study, v. 2.2.2, to determine if the instant application for construction permit is predicted to cause new prohibited interference to post reassignment DTV stations, construction permits, DTV allotments or Class A DTV stations. The study results, shown in Appendix B, indicate that the instant application for construction permit is predicted to cause no new interference exceeding 0.5% to the populations served by any post reassignment DTV station, construction permit, allotment or Class A DTV stations. The study also shows that WJAR's proposed service area is within the baseline plus 1%.

International DTV Considerations

The WJAR site is located 312.4 kilometers from the nearest point on the US-Canadian border. The study included all Canadian DTV facilities within the coordination distance. (See Appendix B)

BLANKETING AND INTERMODULATION INTERFERENCE

Other broadcast and non-broadcast facilities are either co-located with, or located within 10 km of the proposed WJAR site. The applicant does recognize its responsibility to remedy complaints of interference that might result from this proposal in accordance with applicable Rules.

RADIO FREQUENCY IMPACT

The FCC's guidelines and procedures for evaluating environmental effects of radio frequency (RF) emissions are generally based on recommendations by the National Council on Radiation Protection and Measurements (NCRP) in NCRP Report No. 86 (1986) and by the American National Standards Institute and the Institute of Electrical and Electronic Engineers, LLC (IEEE) in ANSI/IEEE C95.1-1992 (IEEE C95.1-1991). The guidelines define a maximum permissible exposure (MPE) level for occupational or "controlled" situations, and for "uncontrolled" environments that apply in all other cases that might affect the general public. The FCC Office of Engineering and Technology's technical bulletin No. 65 entitled, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields" (Edition 97-01, August 1997), provides assistance to determine whether FCC-regulated transmitting facilities, operations or devices comply with guidelines for human exposure to radio frequency electromagnetic fields as adopted by the Commission in 1996. OET Bulletin No. 65 contains the technical information necessary to evaluate compliance with the FCC's policies and guidelines.

The Maximum Permitted Exposure (MPE) level for broadcast facilities that operate on a frequency between 30 MHz and 300 MHz is 200 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) for an "uncontrolled" environment, and is 1000 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) for a "controlled" environment. The MPE level for broadcast facilities that operate on a frequency between 300 MHz and 1500 MHz, primarily UHF TV stations, is determined for an "uncontrolled" environment by dividing the operating frequency in MHz by 1.5, and is similarly determined for a "controlled" environment by dividing the operating

STATEMENT OF JOHN E. HIDLE, P.E.
WJAR - Providence, Rhode Island
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frequency in MHZ by 0.3.

The predicted emissions of WJAR must be considered, in addition to predicted emissions from any other proposed or existing stations at the site. For WJAR, which will operate on television Channel 25 (536-542 MHZ), the MPE is 359.33 microwatts per centimeter squared ($\mu\text{W}/\text{cm}^2$) in an "uncontrolled" environment and 1,796.7 $\mu\text{W}/\text{cm}^2$ in a "controlled" environment. The proposed WJAR facility will operate with a maximum ERP of 530 kW from an elliptically polarized directional transmitting antenna with a centerline height of 274.3 meters above ground level (AGL). Considering a conservative predicted vertical plane relative field factor of 0.300 the WJAR facility is predicted to produce a power density at two meters above ground level of 42.986 $\mu\text{W}/\text{cm}^2$, which is 11.96% of the FCC guideline value for an "uncontrolled" environment, and 2.392% of the FCC's guideline value for "controlled" environments. There is one other full-power DTV facility, two LPTV DTV facilities and one FM station that are located at the WJAR site. The total estimated percentage of the ANSI value at the proposed site, including the cumulative radiation from all authorizations located within the relevant proximity, is 20.55% of the limit applicable to "uncontrolled" environments, and 4.11% of the limit for "controlled" environments. (See Appendix A)

OCCUPATIONAL SAFETY

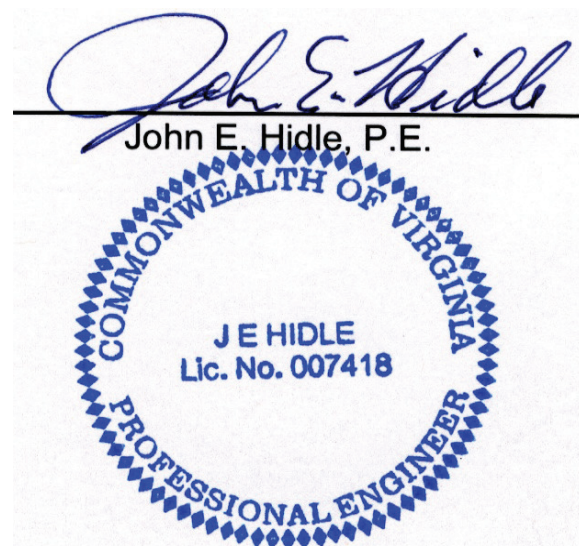
The licensee of WJAR is committed to the protection of station personnel and/or tower contractors working in the vicinity of the WJAR antenna, and is committed to reducing power or ceasing operation during times of maintenance of the transmission systems, when necessary, to ensure protection to personnel.

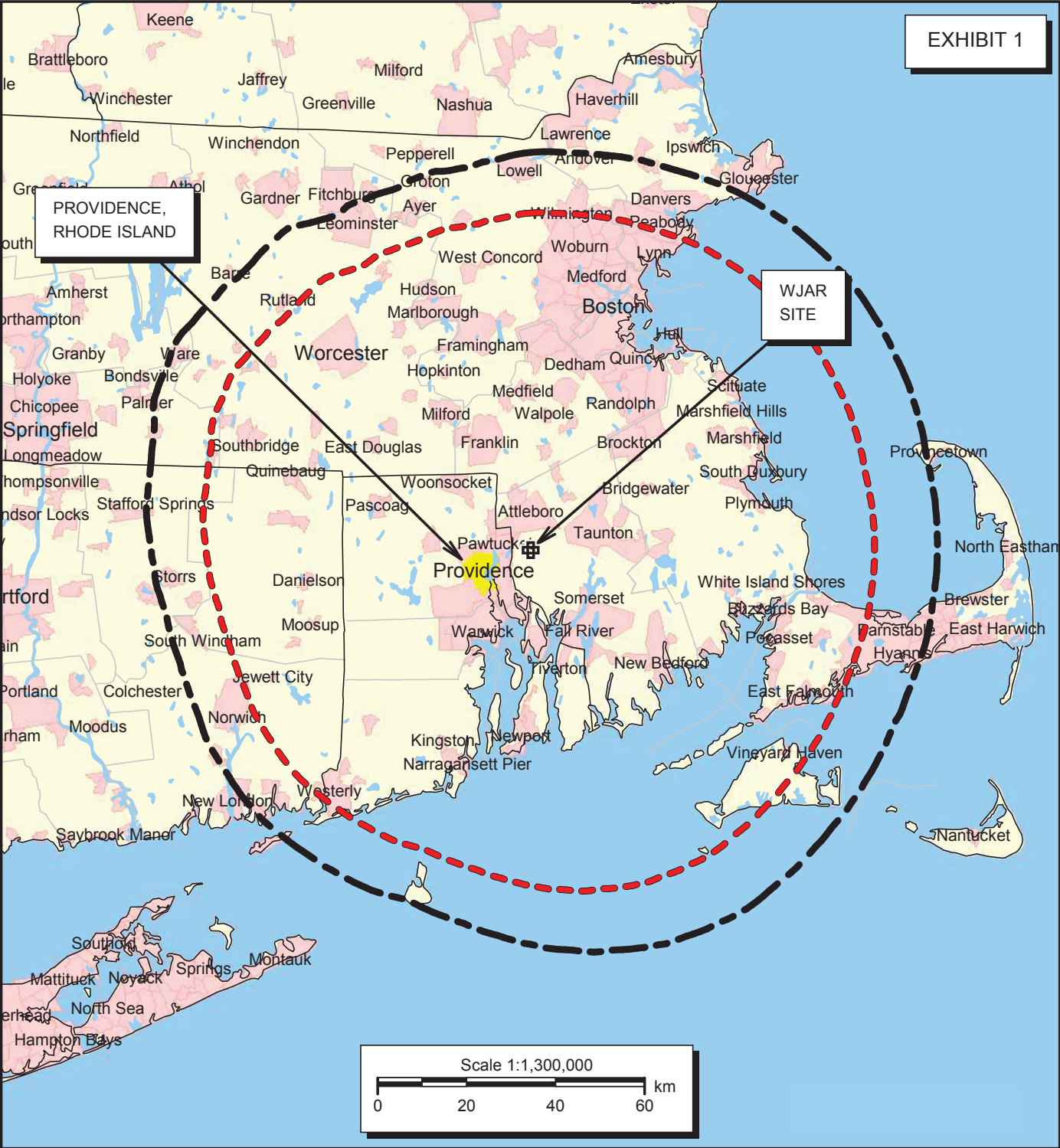
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SUMMARY

It is submitted that the instant application for construction permit to change WJAR from channel 50 to channel 25, as described herein, complies with the Rules, Regulations and relevant Policies of the Federal Communications Commission. This statement, FCC Form 2100, its technical sections, and the attached exhibits were prepared by me or under my direct supervision and are believed to be true and correct to the best of my knowledge and belief.

DATED: June 20, 2017





PREDICTED COVERAGE CONTOURS

WJAR - PROVIDENCE, RHODE ISLAND
DTV Channel 25 - 530 kW ERP - 306 M HAAT
JUNE, 2017

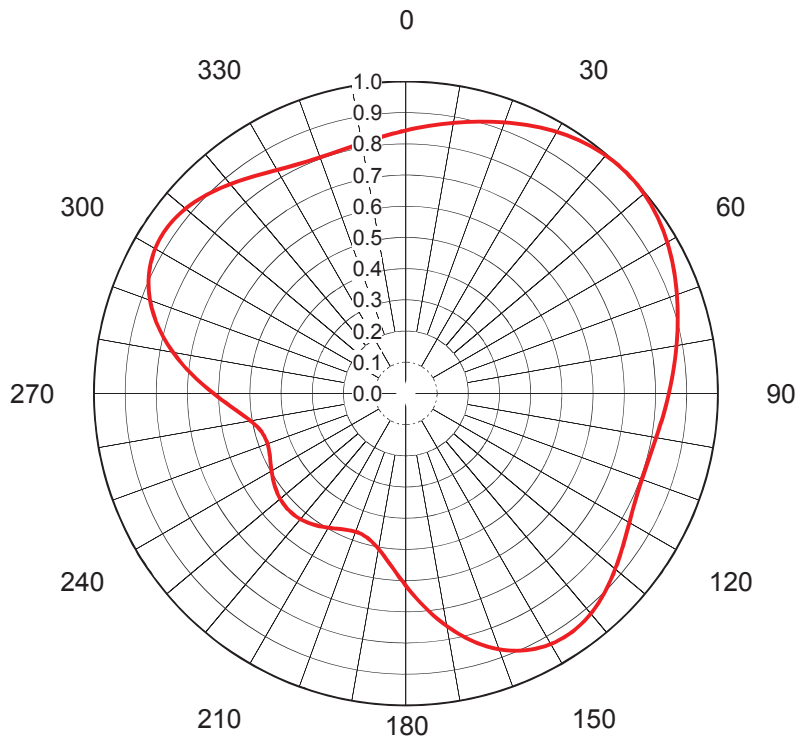


Predicted Noise Limited 39.85 dBu
F(50,90) Coverage Contour



Predicted Principal Community 48 dBu
F(50,90) Coverage Contour





AZIMUTH PATTERN Horizontal Polarization

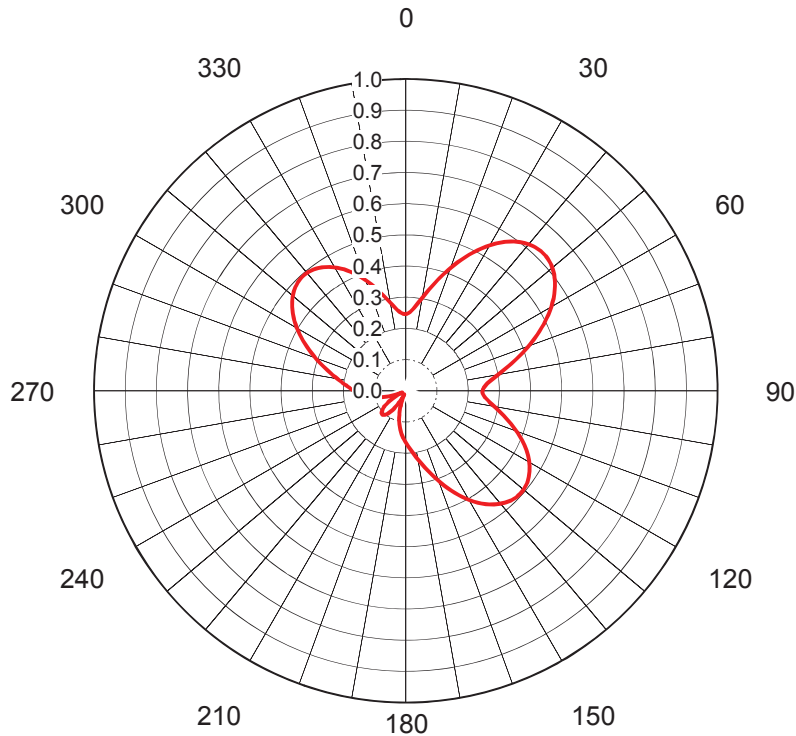
Proposal No. **C-70055**
 Date **10-Feb-17**
 Call Letters **WJAR 25**
 Frequency **539 MHz**
 Antenna Type **TFU-18ETT/VP-R 4C160**

Gain **1.57 (1.96dB)**
Calculated

Drawing #

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.843	36	0.988	72	0.915	108	0.805	144	0.930	180	0.617	216	0.517	252	0.473	288	0.853
1	0.847	37	0.990	73	0.911	109	0.805	145	0.932	181	0.603	217	0.520	253	0.473	289	0.863
2	0.850	38	0.992	74	0.906	110	0.805	146	0.932	182	0.590	218	0.522	254	0.476	290	0.872
3	0.854	39	0.994	75	0.902	111	0.806	147	0.932	183	0.577	219	0.524	255	0.478	291	0.881
4	0.857	40	0.996	76	0.898	112	0.807	148	0.931	184	0.565	220	0.526	256	0.483	292	0.889
5	0.861	41	0.997	77	0.893	113	0.808	149	0.930	185	0.553	221	0.528	257	0.487	293	0.896
6	0.865	42	0.998	78	0.889	114	0.810	150	0.928	186	0.543	222	0.529	258	0.493	294	0.902
7	0.869	43	0.999	79	0.885	115	0.812	151	0.926	187	0.532	223	0.530	259	0.498	295	0.909
8	0.873	44	1.000	80	0.881	116	0.814	152	0.922	188	0.523	224	0.530	260	0.506	296	0.914
9	0.877	45	1.000	81	0.877	117	0.817	153	0.918	189	0.514	225	0.530	261	0.514	297	0.918
10	0.881	46	1.000	82	0.873	118	0.820	154	0.914	190	0.506	226	0.530	262	0.523	298	0.922
11	0.885	47	0.999	83	0.869	119	0.823	155	0.909	191	0.498	227	0.530	263	0.532	299	0.926
12	0.889	48	0.998	84	0.865	120	0.827	156	0.902	192	0.493	228	0.529	264	0.543	300	0.928
13	0.893	49	0.997	85	0.861	121	0.831	157	0.896	193	0.487	229	0.528	265	0.553	301	0.930
14	0.898	50	0.996	86	0.857	122	0.835	158	0.889	194	0.483	230	0.526	266	0.565	302	0.931
15	0.902	51	0.994	87	0.854	123	0.840	159	0.881	195	0.478	231	0.524	267	0.577	303	0.932
16	0.906	52	0.992	88	0.850	124	0.845	160	0.872	196	0.476	232	0.522	268	0.590	304	0.932
17	0.911	53	0.990	89	0.847	125	0.849	161	0.863	197	0.473	233	0.520	269	0.603	305	0.932
18	0.915	54	0.988	90	0.843	126	0.855	162	0.853	198	0.473	234	0.517	270	0.617	306	0.930
19	0.920	55	0.985	91	0.840	127	0.860	163	0.843	199	0.472	235	0.514	271	0.630	307	0.929
20	0.924	56	0.982	92	0.837	128	0.865	164	0.832	200	0.472	236	0.511	272	0.644	308	0.927
21	0.929	57	0.979	93	0.833	129	0.870	165	0.821	201	0.473	237	0.508	273	0.659	309	0.925
22	0.934	58	0.975	94	0.830	130	0.876	166	0.809	202	0.474	238	0.504	274	0.673	310	0.921
23	0.938	59	0.972	95	0.827	131	0.881	167	0.797	203	0.476	239	0.501	275	0.687	311	0.918
24	0.943	60	0.968	96	0.825	132	0.886	168	0.784	204	0.478	240	0.497	276	0.702	312	0.914
25	0.947	61	0.964	97	0.822	133	0.892	169	0.771	205	0.481	241	0.494	277	0.716	313	0.910
26	0.951	62	0.960	98	0.819	134	0.897	170	0.758	206	0.484	242	0.490	278	0.730	314	0.906
27	0.956	63	0.956	99	0.817	135	0.901	171	0.744	207	0.487	243	0.487	279	0.744	315	0.901
28	0.960	64	0.951	100	0.815	136	0.906	172	0.730	208	0.490	244	0.484	280	0.758	316	0.897
29	0.964	65	0.947	101	0.813	137	0.910	173	0.716	209	0.494	245	0.481	281	0.771	317	0.892
30	0.968	66	0.943	102	0.811	138	0.914	174	0.702	210	0.497	246	0.478	282	0.784	318	0.886
31	0.972	67	0.938	103	0.809	139	0.918	175	0.687	211	0.501	247	0.476	283	0.797	319	0.881
32	0.975	68	0.934	104	0.808	140	0.921	176	0.673	212	0.504	248	0.474	284	0.809	320	0.876
33	0.979	69	0.929	105	0.806	141	0.925	177	0.659	213	0.508	249	0.473	285	0.821	321	0.870
34	0.982	70	0.924	106	0.806	142	0.927	178	0.644	214	0.511	250	0.472	286	0.832	322	0.865
35	0.985	71	0.920	107	0.805	143	0.929	179	0.630	215	0.514	251	0.472	287	0.843	323	0.860

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AZIMUTH PATTERN Vertical Polarization

Proposal No. **C-70055**
 Date **10-Feb-17**
 Call Letters **WJAR 25**
 Frequency **539 MHz**
 Antenna Type **TFU-18ETT/VP-R 4C160**

 Gain **3.1 (4.91dB)**
Calculated

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.246	36	0.592	72	0.394	108	0.359	144	0.450	180	0.167	216	0.083	252	0.058	288	0.290
1	0.247	37	0.598	73	0.381	109	0.368	145	0.443	181	0.162	217	0.088	253	0.066	289	0.299
2	0.249	38	0.604	74	0.369	110	0.378	146	0.436	182	0.157	218	0.092	254	0.073	290	0.308
3	0.253	39	0.609	75	0.357	111	0.387	147	0.428	183	0.152	219	0.096	255	0.081	291	0.318
4	0.257	40	0.614	76	0.345	112	0.396	148	0.420	184	0.147	220	0.100	256	0.088	292	0.328
5	0.262	41	0.617	77	0.334	113	0.405	149	0.412	185	0.142	221	0.102	257	0.095	293	0.338
6	0.269	42	0.620	78	0.322	114	0.413	150	0.404	186	0.137	222	0.105	258	0.102	294	0.347
7	0.276	43	0.622	79	0.312	115	0.421	151	0.395	187	0.132	223	0.106	259	0.108	295	0.357
8	0.284	44	0.623	80	0.302	116	0.429	152	0.386	188	0.126	224	0.107	260	0.115	296	0.367
9	0.292	45	0.624	81	0.292	117	0.437	153	0.376	189	0.121	225	0.107	261	0.121	297	0.376
10	0.302	46	0.623	82	0.284	118	0.444	154	0.367	190	0.115	226	0.107	262	0.126	298	0.386
11	0.312	47	0.622	83	0.276	119	0.451	155	0.357	191	0.108	227	0.106	263	0.132	299	0.395
12	0.322	48	0.620	84	0.269	120	0.457	156	0.347	192	0.102	228	0.105	264	0.137	300	0.404
13	0.334	49	0.617	85	0.262	121	0.463	157	0.338	193	0.095	229	0.102	265	0.142	301	0.412
14	0.345	50	0.614	86	0.257	122	0.469	158	0.328	194	0.088	230	0.100	266	0.147	302	0.420
15	0.357	51	0.609	87	0.253	123	0.474	159	0.318	195	0.081	231	0.096	267	0.152	303	0.428
16	0.369	52	0.604	88	0.249	124	0.478	160	0.308	196	0.073	232	0.092	268	0.157	304	0.436
17	0.381	53	0.598	89	0.247	125	0.482	161	0.299	197	0.066	233	0.088	269	0.162	305	0.443
18	0.394	54	0.592	90	0.246	126	0.485	162	0.290	198	0.058	234	0.083	270	0.167	306	0.450
19	0.407	55	0.584	91	0.246	127	0.488	163	0.280	199	0.050	235	0.078	271	0.171	307	0.457
20	0.419	56	0.576	92	0.247	128	0.490	164	0.271	200	0.042	236	0.072	272	0.176	308	0.463
21	0.432	57	0.568	93	0.249	129	0.492	165	0.263	201	0.034	237	0.066	273	0.181	309	0.468
22	0.445	58	0.559	94	0.252	130	0.493	166	0.254	202	0.026	238	0.059	274	0.186	310	0.473
23	0.457	59	0.549	95	0.256	131	0.494	167	0.246	203	0.019	239	0.052	275	0.192	311	0.478
24	0.470	60	0.539	96	0.261	132	0.494	168	0.238	204	0.014	240	0.045	276	0.198	312	0.482
25	0.482	61	0.528	97	0.267	133	0.493	169	0.230	205	0.013	241	0.037	277	0.203	313	0.485
26	0.494	62	0.517	98	0.273	134	0.492	170	0.223	206	0.017	242	0.030	278	0.210	314	0.488
27	0.506	63	0.506	99	0.280	135	0.490	171	0.216	207	0.023	243	0.023	279	0.216	315	0.490
28	0.517	64	0.494	100	0.288	136	0.488	172	0.210	208	0.030	244	0.017	280	0.223	316	0.492
29	0.528	65	0.482	101	0.296	137	0.485	173	0.203	209	0.037	245	0.013	281	0.230	317	0.493
30	0.539	66	0.470	102	0.304	138	0.482	174	0.198	210	0.045	246	0.014	282	0.238	318	0.494
31	0.549	67	0.457	103	0.313	139	0.478	175	0.192	211	0.052	247	0.019	283	0.246	319	0.494
32	0.559	68	0.445	104	0.322	140	0.473	176	0.186	212	0.059	248	0.026	284	0.254	320	0.493
33	0.568	69	0.432	105	0.331	141	0.468	177	0.181	213	0.066	249	0.034	285	0.263	321	0.492
34	0.576	70	0.419	106	0.340	142	0.463	178	0.176	214	0.072	250	0.042	286	0.271	322	0.490
35	0.584	71	0.407	107	0.350	143	0.457	179	0.171	215	0.078	251	0.050	287	0.280	323	0.488

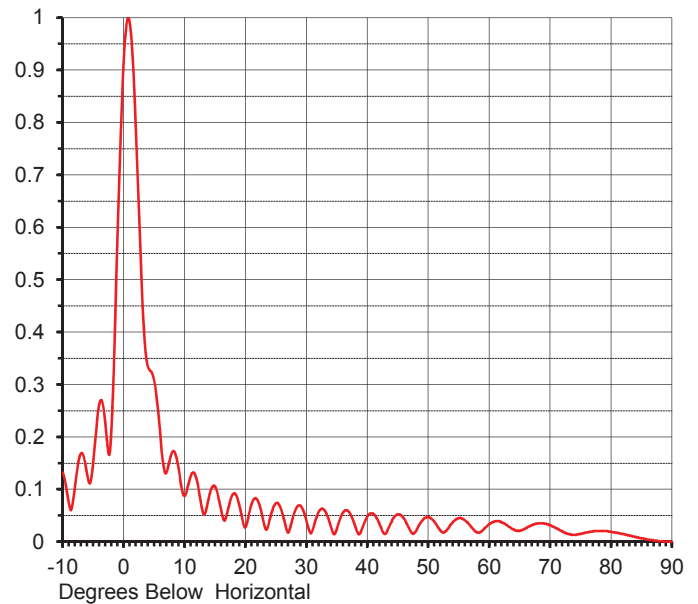
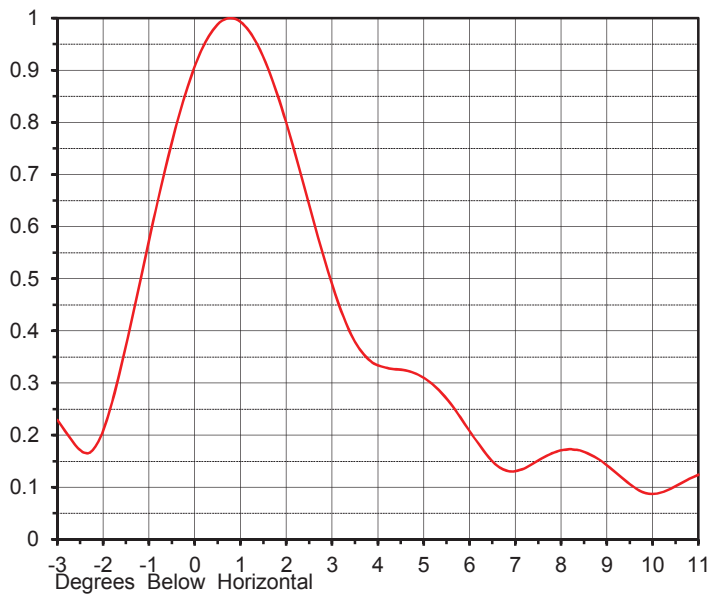
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ELEVATION PATTERN

Proposal No. **C-70055**
 Date **10-Feb-17**
 Call Letters **WJAR 25**
 Frequency **539 MHz**
 Antenna Type **TFU-18ETT/VP-R 4C160**

RMS Directivity at Main Lobe **17.00 (12.30 dB)**
 RMS Directivity at Horizontal **14.00 (11.46 dB)**
Calculated

Beam Tilt **0.80 deg**
 Drawing Number **18E170080**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.132	10.0	0.087	30.0	0.041	50.0	0.047	70.0	0.031
-9.0	0.075	11.0	0.124	31.0	0.021	51.0	0.038	71.0	0.026
-8.0	0.102	12.0	0.119	32.0	0.056	52.0	0.021	72.0	0.020
-7.0	0.168	13.0	0.057	33.0	0.060	53.0	0.021	73.0	0.015
-6.0	0.131	14.0	0.083	34.0	0.030	54.0	0.036	74.0	0.013
-5.0	0.147	15.0	0.105	35.0	0.024	55.0	0.045	75.0	0.015
-4.0	0.260	16.0	0.062	36.0	0.055	56.0	0.041	76.0	0.017
-3.0	0.229	17.0	0.053	37.0	0.057	57.0	0.029	77.0	0.019
-2.0	0.208	18.0	0.091	38.0	0.030	58.0	0.018	78.0	0.020
-1.0	0.572	19.0	0.070	39.0	0.020	59.0	0.022	79.0	0.020
0.0	0.907	20.0	0.027	40.0	0.048	60.0	0.033	80.0	0.019
1.0	0.993	21.0	0.071	41.0	0.053	61.0	0.039	81.0	0.017
2.0	0.799	22.0	0.079	42.0	0.034	62.0	0.037	82.0	0.014
3.0	0.489	23.0	0.037	43.0	0.015	63.0	0.031	83.0	0.012
4.0	0.334	24.0	0.042	44.0	0.038	64.0	0.023	84.0	0.009
5.0	0.310	25.0	0.073	45.0	0.052	65.0	0.021	85.0	0.006
6.0	0.208	26.0	0.057	46.0	0.044	66.0	0.025	86.0	0.004
7.0	0.131	27.0	0.017	47.0	0.022	67.0	0.031	87.0	0.002
8.0	0.171	28.0	0.054	48.0	0.020	68.0	0.035	88.0	0.001
9.0	0.142	29.0	0.069	49.0	0.040	69.0	0.035	89.0	0.000
								90.0	0.000

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SUMMARY OF RADIOFREQUENCY RADIATION STUDY

WJAR, Providence, RI
Channel 25, 530 kW, 306 m HAAT
June, 2017

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLAR- IZATION</u>	<u>ANTENNA HEIGHT</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>WORST-CASE PREDICTED POWER DENSITY (mW/cm²)</u>	<u>WORST-CASE PREDICTED POWER DENSITY (μW/cm²)</u>	<u>FCC UNCONTROLLED LIMIT (μW/cm²)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WJAR	DT	25	539	H & V	274.3	530.000	0.300	0.04299	42.986	359.33	11.96%
WSBE-TV	DT	2	57	H & V	236	0.459	0.300	0.00005	0.050	200.00	0.03%
WRIW-CD	DT	36	605	H	189.7	15.000	0.300	0.00128	1.280	403.33	0.32%
WLNE-TV	DT	24	533	H	253	213.000	0.300	0.01017	10.166	355.33	2.86%
WSNE-FM	FM	227	93.3	H & V	144	31.000	<note 1>	0.01077	10.769	200.00	5.38%
TOTAL PERCENTAGE OF FCC GUIDELINE VALUE =											20.55%

* For television stations a very conservative vertical relative field factor of 0.3 was assumed pursuant to OET Bulletin 65.

note 1: FM Model Antenna: EPA Type 3; ERI Rototiller Type, 3-bay, full-wave spaced antenna



WJAR - PROVIDENCE, RHODE ISLAND Longley-Rice Interference Analysis

tvstudy v2.2.2

Database: localhost, Study: WJAR_25_DIE_335H_530K, Model: Longley-Rice
Start: 2017.06.05 15:58:22

Study created: 2017.06.05 15:58:17

Study build station data: LMS TV 2017-06-02 (13)

Proposal: WJAR D25 DT LIC PROVIDENCE, RI
File number: WJAR_25_DIE_335H_530K
Facility ID: 50780
Station data: User record
Record ID: 537
Country: U.S.
Zone: I

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WLNE-TV	D24	DT	BL	NEW BEDFORD, MA	DTVBL22591	0.0 km
WTEN	D24	DT	BL	ALBANY, NY	DTVBL74422	239.5
WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLEDT20071228ABM	256.9
WWOR-TV	D25	DT	BL	SECAUCUS, NJ	DTVBL74197	257.3
WMHT	D25	DT	BL	SCHENECTADY, NY	DTVBL73263	239.5
WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	119.9
WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	257.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25
Latitude: 41 51 55.40 N (NAD83)
Longitude: 71 17 12.70 W
Height AMSL: 334.6 m
HAAT: 306.0 m
Peak ERP: 530 kW
Antenna: DIE-TFU-18ETT/VP-R-4C160 0.0 deg

39.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	377 kW	291.2 m	89.0 km
45.0	530	301.9	93.6
90.0	377	307.7	91.2
135.0	428	306.6	92.2
180.0	202	330.0	88.5
225.0	149	322.2	85.3
270.0	202	300.1	84.9
315.0	428	287.1	89.5

Appendix B - Interference Analysis **WJAR - Providence, Rhode Island** **Channel 25 - 530 kW - Page 2**

Proposal service area is within baseline plus 1.0%
 Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 312.4 km

Distance to Mexican border: 2932.0 km

Conditions at FCC monitoring station: Belfast ME
 Bearing: 31.2 degrees Distance: 337.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 277.6 degrees Distance: 2834.4 km

Study cell size: 2.00 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%

----- Interference to DTVBL22591 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLNE-TV	D24	DT	BL	NEW BEDFORD, MA	DTVBL22591	
Undesireds:	WJAR	D25	DT	BL	PROVIDENCE, RI	DTVBL50780	0.0 km
	WJAR	D25	DT	LIC	PROVIDENCE, RI	WJAR_25_DIE_335H_530K	0.0
	WPXG-TV	D23	DT	BL	CONCORD, NH	DTVBL48406	146.7
	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLC DT20120427ABO	176.2
	WPME	D24	DT	BL	LEWISTON, ME	DTVBL48408	234.2
	WTEN	D24	DT	BL	ALBANY, NY	DTVBL74422	239.5
	WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLEDT20071228ABM	256.8
	W24DB-D	D24z	DC	LIC	CLARKS SUMMIT, PA	BLANK0000004543	371.9
	W24BB-D	D24	DC	LIC	EAST STROUDSBURG, PA	BLANK0000001453	363.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
19842.6 5,705,441	19541.1 5,665,597	19243.9 5,612,322	19267.8 5,612,673	-0.12 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WJAR D25 DT BL	83.9 15,700	83.9 15,700	
WJAR D25 DT LIC	60.0 15,349	60.0 15,349	
WPME D24 DT BL	4.0 5,006	4.0 5,006	
WTEN D24 DT BL	148.7 18,605	92.2 12,450	92.2 12,450
WNYE-TV D24 DT LIC	117.0 20,119	60.6 13,964	60.6 13,964

----- Interference to DTVBL74422 BL, scenario 1 Proposal causes no interference.

----- Interference to BLEDT20071228ABM LIC, scenario 1 Proposal causes no interference.

----- Interference to DTVBL74197 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWOR-TV	D25	DT	BL	SECAUCUS, NJ	DTVBL74197	

**Appendix B - Interference Analysis
WJAR - Providence, Rhode Island
Channel 25 - 530 kW - Page 3**

Undesireds:	WJAR	D25	DT	BL	PROVIDENCE, RI	DTVBL50780	257.3 km
	WJAR	D25	DT	LIC	PROVIDENCE, RI	WJAR_25_DIE_335H_530K	257.3
	WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLDT20071228ABM	0.9
	W24DB-D	D24z	DC	LIC	CLARKS SUMMIT, PA	BLANK0000004543	164.8
	W24BB-D	D24	DC	LIC	EAST STROUDSBURG, PA	BLANK0000001453	131.3
	WPHA-CD	D24	DC	LIC	PHILADELPHIA, PA	BLDTA20130920ADK	131.8
	WNUV	D25	DT	BL	BALTIMORE, MD	DTVBL7933	275.7
	WSKA	D25	DT	BL	CORNING, NY	DTVBL78908	300.5
	WMHT	D25	DT	BL	SCHENECTADY, NY	DTVBL73263	208.6
	WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	313.8
	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	147.5
	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	0.0
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	167.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25976.7 20,060,241	24530.6 19,758,600	24063.4 19,675,963	24083.5 19,682,568	-0.08 -0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
WJAR D25 DT BL	72.4 18,801	32.2 7,183	
WJAR D25 DT LIC	48.3 11,581		12.1 578
WNYE-TV D24 DT LIC	88.6 19,530	84.5 18,915	88.6 19,530
WNUV D25 DT BL	64.2 3,833	48.1 2,899	48.1 2,899
WSKA D25 DT BL	4.1 0	0.0 0	0.0 0
WMHT D25 DT BL	294.3 52,367	242.0 40,430	242.0 40,430
WFUT-DT D26 DT BL	4.0 658	4.0 658	4.0 658

Interference to DTVBL73263 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMHT	D25	DT	BL	SCHENECTADY, NY	DTVBL73263	
Undesireds:	WJAR	D25	DT	BL	PROVIDENCE, RI	DTVBL50780	239.5 km
	WJAR	D25	DT	LIC	PROVIDENCE, RI	WJAR_25_DIE_335H_530K	239.5
	WTEN	D24	DT	BL	ALBANY, NY	DTVBL74422	0.0
	WONO-CD	D24	DC	BL	SYRACUSE, ETC., NY	DTVBL14315	182.2
	WWOR-TV	D25	DT	BL	SECAUCUS, NJ	DTVBL74197	208.6
	WSKA	D25	DT	BL	CORNING, NY	DTVBL78908	257.5
	WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	182.2
	WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	119.5
	CBOT-DT	D25	DT	LIC	OTTAWA, ON	BLANKCANADA203	352.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
30354.1 1,622,403	25353.1 1,481,644	24649.3 1,467,964	24657.3 1,468,205	-0.03 -0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
WJAR D25 DT BL	435.9 8,891	231.9 4,983	
WJAR D25 DT LIC	423.9 8,648		223.9 4,742
WWOR-TV D25 DT BL	296.0 6,445	184.1 3,602	188.1 3,604
WSKA D25 DT BL	16.0 118	12.0 118	12.0 118
WTVU-CD D25 DC BL	27.9 324	15.9 288	15.9 288
WGGB-TV D26 DT BL	171.8 2,174	31.9 550	31.9 550
CBOT-DT D25 DT LIC	4.0 157	4.0 157	4.0 157

Interference to DTVBL25682 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	
Undesireds:	WJAR	D25	DT	BL	PROVIDENCE, RI	DTVBL50780	119.9 km

Appendix B - Interference Analysis
WJAR - Providence, Rhode Island
Channel 25 - 530 kW - Page 4

WJAR	D25	DT	LIC	PROVIDENCE, RI	WJAR_25_DIE_335H_530K	119.9
WMHT	D25	DT	BL	SCHENECTADY, NY	DTVBL73263	119.5
WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	346.7
WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	199.8
WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	308.2
WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	309.1
WUTF-DT	D27	DT	LIC	MARLBOROUGH, MA	BLCDT20120821ABC	96.3
WBIN-TV	D27	DT	CP	DERRY, NH	BLANK0000024461	96.3
CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	375.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22098.2 3,443,199	19507.2 3,039,115	18327.4 2,821,590	18335.4 2,821,981	-0.04 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WJAR D25 DT BL 220.2 78,066	72.1 29,430		
WJAR D25 DT LIC 212.1 77,675			
WMHT D25 DT BL 72.0 1,273	68.0 1,004		
WFUT-DT D26 DT BL 619.4 64,240	575.4 55,081		
WUTF-DT D27 DT LIC 456.3 131,671	0.0 0		
WBIN-TV D27 DT CP 456.3 131,671	0.0 0		

Interference to DTVBL60555 BL, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WJAR	D25	DT	LIC	PROVIDENCE, RI	WJAR_25_DIE_335H_530K	
Undesireds: WLNE-TV	D24	DT	BL	NEW BEDFORD, MA	DTVBL22591	0.0 km
WWOR-TV	D25	DT	BL	SECAUCUS, NJ	DTVBL74197	257.3
WMHT	D25	DT	BL	SCHENECTADY, NY	DTVBL73263	239.5
WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	119.9

Service area	Terrain-limited	IX-free	Percent IX
25083.8 6,486,740	24621.9 6,423,409	24392.8 6,397,099	0.93 0.41
Undesired	Total IX	Unique IX	Prcnt Unique IX
WWOR-TV D25 DT BL 132.8 18,888	60.4 6,370	0.25 0.10	
WMHT D25 DT BL 136.7 18,253	64.3 5,735	0.26 0.09	
WGGB-TV D26 DT BL 44.0 2,767	32.0 1,687	0.13 0.03	