

**WOYK-AM Prop. New Translator CH. 255D 98.9 MHz 39 56 30N-76 41 55W ERP 250w DA (H/V)  
SITE EL 680 Ft (207 m) USGS 7.5 CR 160 Ft (49 m) AGL RCAMSL 840 Ft (256 m)**

**R. Morgan Burrow, Jr., P.E., Everett, PA  
01 May 2018**

CALL SIGN	CHANNEL NUMBER	COORDS, D,M,S,N D,M,S,W	DIST FROM NEW-T KM	BR FROM NEW-T DEG	BR TO NEW-T DEG	ERP TO NEW-T KW	HAAT TO NEW-T M	RC AMSL M	RC AGL M	TO NEW-T DIST TO PC	HAAT FROM NEW-T M	FROM NEW-T CLEAR TO PC KM	NEW-T IX CONTOUR KM F(50,10)	IX CLEAR TO PC KM
W252BR Edgemere MD	252D	39 14 13 76 26 28	81.31	164.19	344.36	0.005 H/V ND	-9.4	7.0	3.0	2.681	42.3	78.629	100 dBu 1.109	77.520
W252BR Chestertown MD	252D	39 13 35 76 05 20	95.13	146.50	326.89	0.25 H/V ND	67.7	73.0	54.0	10.732	15.1	85.398	100 dBu 1.109	84.289
WRBG Mifflinburg PA	252A	40 53 27 76 59 54	108.42	346.58	166.38	1.4 H/V ND	144.4	356.0	51.0	23.964	127.6	84.456	100 dBu 0.892	83.347
W252DC CP Reston VA	252D	38 57 50 77 06 18	114.05	197.92	17.66	0.20 H/V DA rel 1.0	161.1	261.0	188.0	15.597	61.4	98.453	100 dBu 1.109	97.344
W252DC Lic Reston VA	252D	38 59 56 77 17 32	116.47	206.11	25.73	0.25 H/V ND	54.7	150.0	41.0	9.729	81.1	106.741	100 dBu 0.865	105.876
NEW-T Wilmington DE	253D	39 42 00 75 36 29	97.15	105.74	286.44	0.10 H/V ND	-11.0	36.0	33.0	5.636	35.7	91.414	100 dBu 1.109	90.305
W253CQ Wilmington DE	253D	39 42 02 75 36 24	97.25	105.69	286.36	0.02 DA rel 0.856	-20.5	26.0	21.0	3.479	35.7	93.771	100 dBu 1.109	92.662
WZFL-L Bridgeton NJ	253L	39 25 30 75 15 16	136.53	114.47	295.39	0.078 H/V ND	36.8	51.7	29.0	5.826	13.7	130.704	100 dBu 1.109	129.595
WYCR York/Hanov PA	253B	39 51 26 76 56 54	23.32	246.29	66.13	10.5 H/V ND	309.0	462.0	96.0	64.247	109.6	WAIVER	94 dBu	WAIVER
WXPM-L Phoenixville PA	253L	40 11 19 75 34 15	100.05	73.67	254.40	0.079 H/V ND	-0.5	120.0	19.0	5.309	91.9	94.741	100 dBu 0.878	93.863
WNUW-L Aston PA	253L	39 52 39 75 27 21	106.51	93.45	274.25	0.018 H/V ND	38.0	135.0	41.0	4.091	54.5	102.419	100 dBu 1.109	101.31
WJYN-L N Philadelphia PA	253L	39 59 13.8 75 09 24.0	131.84	87.30	268.29	0.10 H/V ND	0.7	60.0	33.0	5.636	63.2	126.204	100 dBu 1.109	125.095
WQEW-L Philadelphia PA	253L	38 59 14.3 75 09 24.8	131.82	87.29	268.28	0.077 H/V ND	67.2	67.2	37.2	7.871	63.2	121.949	100 dBu 1.109	122.840
W253CC Bethlehem PA	253D	40 37 27 75 21 19	137.09	55.90	236.77	0.05 H/V DA	22.5	159.0	61.0	4.296	125.9	132.794	100 dBu 0.892	131.902
W253CK Reading PA	253D	40 19 28 75 56 31	77.24	56.27	236.75	0.14 H/V DA	-37.7	151.0	54.0	6.130	124.0	71.110	100 dBu 0.891	70.219

WOYK-AM Prop. New Translator CH. 255D 98.9 MHz 39 56 30N-76 41 55W ERP 250w DA (H/V)  
 SITE EL 680 Ft (207 m) USGS 7.5 CR 160 Ft (49 m) AGL RCAMSL 840 Ft (256 m)

R. Morgan Burrow, Jr., P.E., Everett, PA

01 May 2018

CALL SIGN	CHANNEL NUMBER	COORDS, D,M,S N D,M,S W	DIST FROM NEW-T KM	BR FROM NEW-T DEG	BR TO NEW-T DEG	ERP TO NEW-T KW	HAAT TO NEW-T M	RC AMSL M	RC AGL M	TO NEW-T DIST TO PC	HAAT FROM NEW-T M	FROM NEW-T CLEAR TO PC KM	NEW-T IX CONTOUR KM F(50,10)	IX CLEAR TO PC KM
W253CA Lansdale PA	253D	40 14 18 75 19 00	122.37	73.88	254.77	0.25 HVDA Rel 0.153	84.6	153.0	52.0	4.698	92.4	117.672	100 dBu 0.878	116.794
WMZQ Washington DC	254B	38 53 13 77 12 03	124.83	200.36	20.04	50.0 HV ND	159.2	232.0	91.0	66.250	69.3	58.580	54 dBu 22.610	35.990
WFEQ Pleasant Gap PA	254A	40 55 58 77 45 40	142.26	321.13	140.44	2.2 HV ND	124.0	533.0	26.0	24.848	123.3	117.412	54 dBu 30.416	86.996
W254DD Ephrata PA	254D	40 19 25 76 11 51	60.19	44.93	225.25	0.009 HV ND	255.2	448.0	38.0	9.080	114.6	51.110	54 dBu 29.363	21.747
W255CP Hagerstown MD	255D	39 37 36 77 42 39	93.50	248.28	67.63	0.25 HV ND	50.2	260.0	104.0	9.290	109.7	84.210	40 dBu 46.881	37.329
WQLV Millersburg PA	255A	40 30 18 77 07 03	72.0	330.55	150.28	0.78 HV ND	299.9	466.0	27.0	29.451	127.4	42.549	40 dBu 41.800	0.749
WUSL Philadelphia PA	255B	40 02 37 75 14 32	124.90	84.31	265.25	27.0 HV ND	157.0	271.0	191.0	60.156	81.4	64.744	40 dBu 56.398	8.346
WOLR-L Williamsport PA	255L	41 13 29 77 03 31	145.70	348.09	167.85	0.10 HV ND	-126.0	199.0	40.0	5.636	124.3	140.064	40 dBu 48.299	91.765
W255BL Bloomsburg PA	255D	40 59 15.8 76 32 50.7	116.86	6.23	186.32	0.24 HVDA Rel 1.00	225.2	447.0	60.0	19.443	112.7	97.417	40 dBu 46.572	50.845
WDCH Bowie MD	256B	39 01 48 76 44 25	101.28	182.03	2.01	45.0 HV ND	149.1	198.0	141.0	63.890	38.1	37.39	54 dBu 16.177	21.213
WEVB-L Hazelton PA	256L	40 57 17 75 58 34	128.11	28.26	208.73	0.012 HV ND	16.0	531.0	38.0	3.299	74.6	124.811	54 dBu 16.086	108.725
W256AB Pottsville PA	256D	40 40 36 76 11 50	92.07	27.32	207.65	0.10 HV ND	175.2	408.0	27.0	13.659	78.0	78.411	54 dBu 16.525	61.886
WZXR S Wmspt PA	257A	41 12 42 76 57 16	142.68	351.38	171.22	0.41 HV ND	423.0	629.0	26.0	29.911	121.0	112.769	100 dBu 0.889	111.88

**WOYK-AM Prop. New Translator CH. 255D 98.9 MHz 39 56 30N-76 41 55W ERP 250w DA (H/V)  
SITE EL 680 Ft (207 m) USGS 7.5 CR 160 Ft (49 m) AGL RCAMSL 840 Ft (256 m)**

**R. Morgan Burrow, Jr., P.E., Everett, PA  
01 May 2018**

CALL SIGN	CHANNEL NUMBER	COORDS, D,M,S N D,M,S W	DIST FROM NEW-T KM	BR FROM NEW-T DEG	BR TO NEW-T DEG	ERP TO NEW-T KW	HAAT TO NEW-T M	RC AMSL M	RC AGL M	TO NEW-T DIST TO PC	HAAT FROM NEW-T M	FROM NEW-T CLEAR TO PC KM	NEW-T IX CONTOUR KM F(50,10)	IX CLEAR TO PC KM
WHKF Harrisburg PA	257A	40 11 30 76 52 05	31.3	332.64	152.53	1.35 HV ND	195.7	351.0	22.0	27.203	128.8	4.097	100 dBu 0.893	3.204
W257AI Allentown PA	257D	40 33 54 75 26 26	127.46	56.60	237.42	0.004 H DA Rel 0.100	183.9	341.0	0.0	1.876	123.0	125.584	100 dBu 0.890	124.694
W257BW New Tripoli PA	257D	40 41 20 75 46 29	114.24	43.01	223.61	0.02 HV ND	39.2	209.0	8.0	4.273	107.0	109.967	100 dBu 0.885	109.082
W257 DI Reading PA	257D	40 21 08 75 55 28	80.19	55.0	235.50	0.1 HV DA Rel 0.927	44.5	116.0	31.0	6.559	127.7	73.631	100 dBu 0.892	72.739
WJBR Wilmington DE	258B	39 50 02 75 31 27	101.17	96.44	277.20	50.0 HV ND	130.5	221.0	87.0	62.238	48.8	38.932	94 dBu 1.243	37.689
WIHT Washington DC	258B	38 57 49 77 06 18	114.08	197.92	17.66	22.0 HV ND	206.0	306.0	233.0	63.096	61.4	50.984	94 dBu 1.400	49.584
W258DA Hagerstown MD	258D	39 37 36 77 42 39	93.50	248.28	67.63	0.05V DA Rel 0.85	2.5	211.0	55.0	4.326	109.7	89.174	100 dBu 0.885	88.285
WMAJ Centre Hall PA	288B1	40 45 09 77 45 16	127.10	315.56	134.88	0.85 HV ND	420.8	838.0	104.0	41.172	122.5	85.928	97 dBu 1.281	84.647
NEW-T Nescopect PA	258D	41 03 50 75 57 52	139.29	26.21	206.69	0.06 HV/DA Rel 0.798	27.4	406.0	7.0	4.383	82.5	134.907	100 dBu 0.867	134.040
W258DJ Nescopect PA	258D	40 58 10 75 57 24	130.33	28.54	209.02	0.055 DA Rel 0.956	78.8	590.0	17.0	7.633	73.5	122.697	100 dBu 1.109	121.588
W258BM Bethlehem PA	258D	40 37 13 75 17 37	141.26	57.21	238.12	0.09 HV DA Rel 0.20	180.0	304.0	56.0	5.968	120.6	135.292	100 dBu 0.889	134.403