

**W273DN CH. 273D 102.5 MHz to CH. 295D 106.9 MHz 36 06 46.5N-78 16 49.0W (NAD83) ERP 140w (H/V)
SITE EL 250 Ft (76.2m) USGS 7.5 CR 150 Ft (45.7m) RCAMSL 400 Ft (121.9 m)**

**R. Morgan Burrow, Jr., P.E., Everett, PA
10 January 2020**

CALL SIGN	CHANNEL NUMBER	COORDS, D,M,S N D,M,S W	DIST FROM W273 KM	BR FROM W273 DEG	BR TO W273 DEG	ERP TO W273DN KW	HAAT TO W273 M	RC AMSL M	RC AGL M	TO W273 DIST TO PC	HAAT FROM W273 M	FROM W273DN CLEAR TO PC KM	W273DN IX CONTOUR KM F(50,10)	IX CLEAR TO PC KM
W292FF BURLINGTN NC	292D	36 08 37.0 79 31 24.1	111.95	272.12	91.38	0.22 DA rel 0.945, 197 w	107.6	335.0	140.0	12.576	29.2	99.374	100 dBu 0.830	98.544
W292FY WINDSOR NC	292D	36 04 06.6 76 58 33.8	117.56	92.03	272.80	0.25 H/V ND	93.0	103.0	91.0	12.419	17.0	105.141	100 dBu 0.830	104.311
W292DF BASSETT FK VA	292D	36 36 48.5 79 55 03.1	157.09	291.27	110.30	0.01 H/V ND	207.9	493.0	30.0	8.395	53.5	148.695	100 dBu 0.830	147.865
WMNA (L) GRETNVA VA	292A	36 55 31.5 79 19 49.1	130.29	314.23	133.60	6.0 H/V ND	82.1	259.0	75.0	25.783	32.0	104.507	100 dBu 0.830	103.677
WMNA (CP) GRETNVA VA	292C3	36 58 22.5 79 05 31.1	119.96	323.07	142.59	18.5 H/V ND	91.5	286.0	73.0	35.226	28.5	119.13	100 dBu 0.830	118.300
W293DD FAYETTEVILLE NC	293D	35 03 35.6 78 59 23.1	133.36	208.93	28.51	0.25 H/V ND	176.3	240.0	175.0	17.445	34.8	115.915	100 dBu 0.830	115.085
WSFL NEW BERN NC	293C1	35 02 27.6 77 21 09.9	145.64	144.59	325.13	100.0 H/V ND	281.4	292.0	278.0	70.875	36.4	74.765	100 dBu 0.830	73.935
WSMU-L1 RALEIGH NC	293L1	35 40 35.1 78 32 07.2	53.63	205.41	25.26	0.063 H/V ND	61.4	136.8	38.1	7.155	35.3	52.800	100 dBu 0.830	51.970
W293DV WAKE FORE NC	293D	36 00 47.5 78 31 11.0	24.24	242.81	62.67	10.05 H/V ND	95.6	201.0	78.0	8.479	29.0	15.761	100 dBu 0.830	14.931
WBTJ RICHMOND VA	293B	37 30 14.5 77 41 51.9	162.89	18.36	198.71	7.6 H/V ND	376.9	451.0	359.0	65.765	24.4	97.125	94 dBu 1.656	95.469
WBTJ RICHMOND VA	293B	37 30 45.5 77 36 04.7	166.73	21.02	201.43	14.5 H/V DA Rel 1.0 14.5 k	280.4	346.0	237.0	65.300	23.3	101.430	94 dBu 1.656	91.774
WSMU-L1 RALEIGH NC	294L1	35 37 23.7 78 31 17.5	58.54	201.84	21.69	0.089 H/V ND	47.8	118.0	56.0	6.870	38.8	51.670	54 dBu 9.910	41.760
WDBP-L ROCKY MT NC	294L1	35 55 08.2 77 49 56.2	45.76	118.03	298.29	0.100 H/V ND	6.8	61.3	28.0	5.636	20.8	40.124	54 dBu 8.754	31.370
WKVK SEMORA NC	294C2	36 25 07.5 79 11 48.1	89.07	292.76	112.21	50.0 H/V ND	126.8	315.0	154.0	48.956	55.1	40.114	54 dBu 11.856	28.258
WEAD-L1 WENDELL NC	294L1	35 49 10.0 78 23 02.7	33.88	196.01	15.95	0.100 H/V ND	19.4	117.0	15.0	5.636	42.7	28.244	54 dBu 10.411	17.833

**W273DN CH. 273D 102.5 MHz to CH. 295D 106.9 MHz 36 06 46.5N-78 16 49.0W (NAD83) ERP 140w (H/V)
SITE EL 250 Ft (76.2m) USGS 7.5 CR 150 Ft (45.7m) RCAMSL 400 Ft (121.9 m)**

**R. Morgan Burrow, Jr., P.E., Everett, PA
10 January 2020**

CALL SIGN	CHANNEL NUMBER	COORDS, D,M,S N D,M,S W	DIST FROM W273 KM	BR FROM W273 DEG	BR TO W273 DEG	ERP TO W273DN KW	HAAT TO W273 M	RC AMSL M	RC AGL M	TO W273 DIST TO PC	HAAT FROM W273 M	FROM W273DN CLEAR TO PC KM	W273DN IX CONTOUR KM F(50,10)	IX CLEAR TO PC KM
W295CS KINSTON NC	295D	35 15 31.6 77 36 31.9	112.58	147.25	327.64	0.095 H/V ND	67.5	97.0	87.0	8.360	38.7	104.220	40 dBu 23.121	81.099
WRDG-L1 PIKEVILLE NC	295L1	35 29 31.0 78 00 21.7	73.22	160.21	340.37	0.096 H/V ND	33.9	69.0	29.0	5.894	50.8	67.326	40 dBu 26.617	40.709
WMGU SOUTH PNS NC	295C2	34 59 53.6 79 15 46.1	152.42	215.93	35.36	50.0 H/V DA Rel 1.0 50 kW	134.5	226.2	144.2	50.055	31.0	102.365	40 dBu 20.715	81.650
WUBN-L1 WILSON NC	295L1	35 45 33.4 77 57 10.8	49.11	143.06	323.25	0.10 H/V ND	8.3	53.4	10.4	5.636	35.5	43.474	40 dBu 22.134	21.340
W295CE WIN-SALEM NC	295D	36 08 25.5 80 08 45.2	167.97	271.60	90.50	0.25 H/V DA Rel 1.0 250 W	110.0	382.0	95.0	13.479	29.3	154.491	40 dBu 20.396	134.095
WBIS-L1 WINTERWOD NC	205L1	35 32 15.9 77 25 05.2	100.71	121.19	309.70	0.011 H/V ND	86.1	103.0	85.0	5.535	20.3	95.175	40 dBu 20.396	74.779
WAFX SUFFOLK VA	295C	36 48 09.5 76 45 17.8	156.70	60.20	241.11	100.0 H/V ND	303.6	316.0	290.0	72.658	22.2	84.042	40 dBu 20.396	63.896
WFXC DURHAM NC	296C3	36 58 34.5 78 48 57.0	50.54	252.81	72.49	13.0 H/V ND	159.4	248.0	143.0	41.548	31.4	8.992	54 dBu 8.938	0.054
W296CV HIGH POINT NC	296D	35 56 42.0 79 51 44.0	143.80	262.99	82.06	0.11 H/V ND	261.4	495.0	265.0	17.157	29.1	126.643	54 dBu 8.754	117.889
WTTX APPOMATTX NC	296A	37 22 19.5 78 50 05.0	148.25	340.73	160.40	1.7 H/V ND	142.9	341.0	88.0	24.910	17.7	123.34	54 dBu 8.754	114.586
W296AM BASSETT VA	296D	36 43 30.4 79 54 11.1	160.62	295.60	114.63	0.01 H/V ND	137.9	393.0	24.0	6.809	55.7	153.811	54 dBu 11.917	141.894
WKFV CLINTON NC	297C3	35 07 37.6 78 35 18.0	112.88	194.34	14.16	9.2 H/V ND	159.6	201.0	148.0	38.679	43.5	74.201	100 dBu 0.830	73.371
W297CJ EDENTON NC	297D	36 04 46.4 76 35 58.8	151.39	90.91	271.90	0.25 H/V ND	82.6	66.0	60.0	10.367	16.8	141.023	100 dBu 0.830	140.193
WVRA ENFIELD NC	297A	36 09 59.5 76 46 44.9	135.24	87.03	267.91	4.1 H/V ND	116.5	127.0	90.0	27.829	15.4	103.411	100 dBu 0.830	102.581
WBBT POWHATAN VA	297A	37 30 16.5 77 42 13.0	162.78	18.18	198.53	1.4 H/V ND	207.0	282.0	183.0	28.173	58.3	134.607	100 dBu 0.830	133.777

W273DN CH. 273D 102.5 MHz to CH. 295D 106.9 MHz 36 06 46.5N-78 16 49.0W (NAD83) ERP 140w (H/V)
 SITE EL 250 Ft (76.2m) USGS 7.5 CR 150 Ft (45.7m) RCAMSL 400 Ft (121.9 m)

R. Morgan Burrow, Jr., P.E., Everett, PA
 10 January 2020

CALL SIGN	CHANNEL NUMBER	COORDS, D,M,S N D,M,S W	DIST FROM W273 KM	BR FROM W273 DEG	BR TO W273 DEG	ERP TO W273DN KW	HAAT TO W273 M	RC AMSL M	RC AGL M	TO W273 DIST TO PC	HAAT FROM W273 M	FROM W273DN CLEAR TO PC KM	W273DN IX CONTOUR KM F(50,10)	IX CLEAR TO PC KM
W282CQ app BRIDGETON NC	298D	35 07 59.6 77 03 54.8	154.70	134.41	315.12	0.20 HV ND	41.0	49.0	47.0	7.790	42.4	146.910	100 dBu 0.830	146.080
W282CQ app BRIDGETON NC	298D	35.07 59.6 77 03 54.8	154.70	134.41	315.12	0.20 HV ND	41.0	49.0	47.0	7.790	42.4	146.910	100.0 dBu 0.830	146.080
W298DB SMITHFIELD NC	298D	35 34 43.6 78 26 09.0	60.91	193.33	13.24	0.25 HV DA Rel 1.0 250 w	122.2	194.0	122.0	14.194	22.9	46.716	100 dBu 0.830	45.886
W298CT WILSON NC	298D	35 43 24.6 77 55 14.9	54.03	143.11	323.32	0.07 HV ND	45.2	89.0	59.0	6.291	21.1	47.739	100 dBu 0.830	46.909
WKZL WIN-SALEM NC	298C	36 16 33.4 79 56 26.1	150.43	277.43	96.45	100.0 HV ND	300.8	539.0	259.0	72.445	40.7	77.985	100 dBu 0.830	77.155
W298BK WINTER NC	298D	35 32 15.9 77 25 05.2	100.71	129.19	309.70	0.25 HV ND	92.1	109.0	91.0	12.362	15.7	88.348	100 dBu 0.830	87.518
W298CN LYNCHBURG VA	298D	37,20,57.0 79 10 04.0	158.95	330.35	149.82	0.25 HV ND	186.1	435.0	20.0	17.906	46.8	140.544	100 dBu 0.830	139.714