

FIGURE 4 Extension.

Complete RFI data at 800, 900, 1420, 1665 MHz, and Hotspots with High RFI (0 to +7 dBm).

2006-2007 Data High School	Radio Frequency (MHz)	Average Power (- dBm)	Elevation (meters)	Latitude (d, m, s)	Longitude (d, m, s)
Abingdon High (Parking Lot)	800	38	636	36.43.24N	81.57.48W
Daniel	900	41	636	36.43.24N	81.57.48W
	1420	36	636	36.43.24N	81.57.48W
	1665	37	636	36.43.24N	81.57.48W
Abingdon High (Parking Lot)	800	38	604	36.41.19N	81.55.13W
Sean	900	41	604	36.41.19N	81.55.13W
	1420	37	604	36.41.19N	81.55.13W
	1665	38	604	36.41.19N	81.55.13W
Bland High	800	42	962	37.00.79N	81.08.90W
Coleman, Morgan, Anna	900	43	962	37.00.79N	81.08.90W
	1420	40	962	37.00.79N	81.08.90W
	1665	40	962	37.00.79N	81.08.90W
Rocky Gap High	800	39	871	37.22.92N	81.19.34W
Jared, Tyler	900	41	871	37.22.92N	81.19.34W
	1420	37	871	37.22.92N	81.19.34W
	1665	37	871	37.22.92N	81.19.34W
NRAO Green Bank WV	800	42	844	38.26.02N	79.49.05W
Radio Quiet Zone	900	43	844	38.26.02N	79.49.05W
100 ft from 40 ft scope	1420	40	844	38.26.02N	79.49.05W
Lauren, Ben, Adam	1665	40	844	38.26.02N	79.49.05W
J.J. Kelly High	800	34	748	36.98.01N	82.58.03W
Football field	900	35	748	36.98.01N	82.58.03W
Mobeen	1420	31	748	36.98.01N	82.58.03W
	1665	34	748	36.98.01N	82.58.03W
Powell Valley High	800	40	498	36.49.30N	82.50.36W
Turkey Cove (Steven's house)	900	42	498	36.49.30N	82.50.36W
Steven	1420	38	498	36.49.30N	82.50.36W
	1665	39	498	36.49.30N	82.50.36W
Powell Valley High	800	41	441	36.52.70N	82.47..25W
Frog Leve Park	900	42	441	36.52.70N	82.47..25W
Anna	1420	39	454	36.51.70N	82.47.25W
	1665	40	454	36.51.70N	82.47.25W
2007-2008 DATA					
Pound High	800	31	527	37.06.21N	82.35.81W
Elizabeth	900	29	527	37.06.21N	82.35.81W
	1420	30	527	37.06.21N	82.35.81W

	1665	30	527	37.06.21N	82.35.81W
Tuning	958	17	527	37.06.21N	82.35.81W
	1064	11	527	37.06.21N	82.35.81W
Grundy High	800	35	736	37.16.36N	82.50.42W
Kristina	900	37	736	37.16.36N	82.50.42W
	1420	39	736	37.16.36N	82.50.42W
	1665	41	736	37.16.36N	82.50.42W
Twin Valley High (7-8 am)	800	36	741	37.12.16N	81.58.13W
Jacob (Keene Moutain)	900	38	741	37.12.16N	81.58.13W
	1420	40	741	37.12.16N	81.58.13W
	1665	36	741	37.12.16N	81.58.13W
Twin Valley High (8-9 pm)	800	37	741	37.12.16N	81.58.13W
Jacob (Keene Moutain)	900	39	741	37.12.16N	81.58.13W
	1420	40	741	37.12.16N	81.58.13W
	1665	36	741	37.12.16N	81.58.13W
Tuning	954	6	741	37.12.16N	81.58.13W
Mount Rogers School	800	29	940	36.39.35N	81.32.41W
Edith, Kayla, Kim	900	30	940	36.39.35N	81.32.41W
with cell phone on	1420	pos. 5 19**	940	36.39.35N	81.32.41W
**cell phone off	1665	11*	940	36.39.35N	81.32.41W
Abingdon High (Soccer Field)	800	27	653	36.43.25N	81.57.20W
Sarah K and Sarah (7 am)	900	no data	653	36.43.25N	81.57.20W
	1420	17	653	36.43.25N	81.57.20W
	1665	23	653	36.43.25N	81.57.20W
Tuning	882	positive 5	653	36.43.25N	81.57.20W
Abingdon High (Soccer Field)	800	27	653	36.43.25N	81.57.20W
Sarah K and Sarah (6 pm)	900	no data	653	36.43.25N	81.57.20W
	1420	17	653	36.43.25N	81.57.20W
	1665	23	653	36.43.25N	81.57.20W
Tuning	882	positive 4	653	36.43.25N	81.57.20W
J.J. Kelly High	800	28	797	36.59.04N	82.32.04W
Zhanna and Rachel	900	28	797	36.59.04N	82.32.04W
	1420	19	797	36.59.04N	82.32.04W
	1665	23	797	36.59.04N	82.32.04W
Tuning	818	6	797	36.59.04N	82.32.04W
	854	7	797	36.59.04N	82.32.04W
	880	0	797	36.59.04N	82.32.04W
	956	0	797	36.59.04N	82.32.04W
	960	positive 5	797	36.59.04N	82.32.04W
	998	2	797	36.59.04N	82.32.04W
	1050	positive 6	797	36.59.04N	82.32.04W
	1054	positive 3	797	36.59.04N	82.32.04W
	1058	10	797	36.59.04N	82.32.04W
	1066	2	797	36.59.04N	82.32.04W
	1198	positive 4	797	36.59.04N	82.32.04W

	1234	8	797	36.59.04N	82.32.04W
	1262	0	797	36.59.04N	82.32.04W
St. Paul High (7-8 am)	800	27	468	36.55.25N	82.18.50W
Brittany (Readings at home)	900	29	466	36.55.25N	82.18.50W
	1420	23	479	36.55.25N	82.18.50W
	1665	23	477	36.55.25N	82.18.50W
St. Paul High (7-7:30 pm)	800	27	512	36.55.25N	82.18.55W
Brittany (Readings at home)	900	29	490	36.55.25N	82.18.50W
	1420	20	483	36.55.25N	82.18.50W
	1665	29	506	36.55.25N	82.18.50W
Tuning (morning)	862	21	506	36.55.25N	82.18.50W
	976	22	506	36.55.25N	82.18.50W
	1046	21	506	36.55.25N	82.18.50W
	1062	0	506	36.55.25N	82.18.50W
	1158	9	506	36.55.25N	82.18.50W
	1210	36	506	36.55.25N	82.18.50W
	1410	12	506	36.55.25N	82.18.50W
Tuning (evening)	860	17	506	36.55.25N	82.18.50W
	890	31	506	36.55.25N	82.18.50W
	1026	17	506	36.55.25N	82.18.50W
	1050	2	506	36.55.25N	82.18.50W
	1154	8	506	36.55.25N	82.18.50W
	1212	36	506	36.55.25N	82.18.50W
	1532	13	506	36.55.25N	82.18.50W
Patrick Henry High (morning)	800	37	674	36.46.85N	81.50.86W
Guy	900	37	674	36.46.85N	81.50.86W
	1420	40	674	36.46.85N	81.50.86W
	1665	35	674	36.46.85N	81.50.86W
Patrick Henry High (evening)	800	37	647	36.48.76N	81.46.76W
Guy (Food City Parking Lot)	900	38	647	36.48.76N	81.46.76W
	1420	42	647	36.48.76N	81.46.76W
	1665	36	647	36.48.76N	81.46.76W
Patrick Henry High (evening)	800	38	646	36.47.50N	81.45.98W
Guy	900	39	646	36.47.50N	81.45.98W
	1420	41	646	36.47.50N	81.45.98W
	1665	35	646	36.47.50N	81.45.98W
Council High (baseball field)	800	39	489	37.04.93N	82.04.82W
Selena and Dax (morning)	900	33	492	37.04.93N	82.02.81W
	1420	35	492	37.04.93N	82.02.81W
	1665	37	492	37.04.93N	82.02.81W
Council High (Big A Mtn.)	800	39	500	37.04.85N	82.04.42W
Selena and Dax (evening)	900	0	732	37.04.25N	82.02.41W
	1420	35	732	37.04.25N	82.02.41W
	1665	36	732	37.04.25N	82.02.41W
Tazewell High (7-8 am)	800	30	812	37.03.45N	81.31.77W
Travis (home)	900	29	812	37.03.45N	81.31.77W
	1420	32	812	37.03.45N	81.31.77W

	1665	28	812	37.03.45N	81.31.77W
Tazewell High (7-8 am)	800	30	946	37.02.78N	81.30.98W
Travis (mountain)	900	27	946	37.02.78N	81.30.98W
	1420	32	946	37.02.78N	81.30.98W
	1665	29	946	37.02.78N	81.30.98W
Tuning (home)	1008	4	812	37.03.45N	81.31.77W
Tuning (mountain)	1008	positive 2	946	37.02.78N	81.30.98W
Tazewell High (7-8 pm)	800	31	812	37.03.45N	81.31.77W
Travis (home)	900	30	812	37.03.45N	81.31.77W
	1420	33	812	37.03.45N	81.31.77W
	1665	29	812	37.03.45N	81.31.77W
Tazewell High (7-8 pm)	800	31	946	37.02.78N	81.30.98W
Travis (mountain)	900	24	946	37.02.78N	81.30.98W
	1420	32	946	37.02.78N	81.30.98W
	1665	29	946	37.02.78N	81.30.98W
Tuning (home)	1008	6	946	37.02.78N	81.30.98W
Tuning (mountain)	1008	positive 3	946	37.02.78N	81.30.98W
Tazewell High (morning)	800	30	747	37.13.00N	81.52.01W
Abby (front yard)	900	29	747	37.13.00N	81.52.01W
	1420	32	747	37.13.00N	81.52.01W
	1665	29	747	37.13.00N	81.52.01W
Tazewell High (morning)	800	30	746	37.11.40N	81.59.10W
Abby (parking lot)	900	24	746	37.11.40N	81.59.10W
	1420	32	746	37.11.40N	81.59.10W
	1665	28	746	37.11.40N	81.59.10W
Bland High	800	36	769	37.01.48N	81.06.86W
Megan, Ian, Coleman	900	38	769	37.01.48N	81.06.86W
	1420	39	769	37.01.48N	81.06.86W
	1665	38	769	37.01.48N	81.06.86W
Tuning	1008	3	769	37.01.48N	81.06.86W
Rye Cove High	844	positive 2	432	36.45.96N	82.40.90W
Kayla (Tuning)	880	12	438	36.45.96N	82.40.99W
	882	6	445	36.45.95N	82.40.99W
	958	10	445	36.45.95N	82.40.99W
	962	14	445	36.45.95N	82.40.99W
	1004	16	438	36.45.96N	82.40.99W
	1050	4	438	36.45.96N	82.40.99W
	1070	16	445	36.45.95N	82.40.99W
Linwood Holton Gov. School	840	0	626	36.41.47N	82.00.01W
Steve	844	0	626	36.41.47N	82.00.01W
Tuning	872	positive 2	626	36.41.47N	82.00.01W
	876	positive 2	626	36.41.47N	82.00.01W
	880	0	626	36.41.47N	82.00.01W
	1018	positive 2	626	36.41.47N	82.00.01W
	1060	0	626	36.41.47N	82.00.01W
	1062	0	626	36.41.47N	82.00.01W
	1066	0	626	36.41.47N	82.00.01W

	1080	positive 7	626	36.41.47N	82.00.01W
	1082	0	626	36.41.47N	82.00.01W
	1086	0	626	36.41.47N	82.00.01W
	1250	positive 4	626	36.41.47N	82.00.01W
	1260	0	626	36.41.47N	82.00.01W
	800	38	626		
	900	37	626		
	1420	40	626		
	1665	38	626		