

8 3/16" 75 Ohm Rigid Coaxial Transmission Line, TV Ratings and Efficiency in Percent

CH #	Freq. MHz	ATTEN. in dB/100 ft	Average Power (Kilowatts)	250 ft	500 ft	750 ft	1000 ft	1250 ft	1500 ft	1750 ft	2000 ft
2	54	0.024	362.077	98.62	97.26	95.92	94.60	93.29	92.00	90.74	89.48
3	60	0.025	343.496	98.55	97.11	95.70	94.31	92.94	91.59	90.26	88.95
4	66	0.027	327.511	98.48	96.98	95.50	94.04	92.61	91.20	89.81	88.44
5	76	0.029	305.204	98.37	96.76	95.18	93.62	92.09	90.59	89.11	87.65
6	82	0.030	293.826	98.30	96.63	94.99	93.38	91.80	90.24	88.71	87.20
7	174	0.043	201.708	97.54	95.14	92.79	90.51	88.28	86.11	83.99	81.92
8	180	0.044	198.318	97.50	95.05	92.67	90.35	88.09	85.89	83.74	81.64
9	186	0.045	195.093	97.46	94.98	92.56	90.20	87.91	85.67	83.49	81.37
10	192	0.045	192.020	97.42	94.90	92.44	90.05	87.73	85.46	83.25	81.10
11	198	0.046	189.088	97.38	94.82	92.33	89.91	87.55	85.25	83.01	80.83
12	204	0.047	186.287	97.34	94.74	92.22	89.76	87.37	85.05	82.78	80.58
13	210	0.048	183.606	97.30	94.67	92.11	89.62	87.20	84.85	82.55	80.32
14	470	0.071	122.729	95.99	92.13	88.43	84.88	81.47	78.20	75.06	72.05
15	476	0.072	121.953	95.96	92.08	88.36	84.79	81.37	78.08	74.93	71.90
16	482	0.072	121.192	95.94	92.04	88.29	84.71	81.26	77.96	74.79	71.75
17	488	0.073	120.445	95.91	91.99	88.23	84.62	81.16	77.84	74.66	71.60
18	494	0.073	119.711	95.89	91.94	88.16	84.53	81.05	77.72	74.52	71.46
19	500	0.073	118.991	95.86	91.89	88.09	84.45	80.95	77.60	74.39	71.31
20	506	0.074	118.283	95.84	91.85	88.02	84.36	80.85	77.48	74.26	71.17
21	512	0.074	117.588	95.81	91.80	87.96	84.28	80.75	77.37	74.13	71.02
22	518	0.075	116.905	95.79	91.76	87.89	84.19	80.65	77.25	74.00	70.88
23	524	0.075	116.234	95.77	91.71	87.83	84.11	80.55	77.14	73.87	70.74
24	530	0.076	115.574	95.74	91.67	87.76	84.03	80.45	77.02	73.74	70.60
25	536	0.076	114.925	95.72	91.62	87.70	83.94	80.35	76.91	73.62	70.46
26	542	0.076	114.287	95.70	91.58	87.63	83.86	80.25	76.80	73.49	70.33
27	548	0.077	113.660	95.67	91.53	87.57	83.78	80.15	76.68	73.37	70.19
28	554	0.077	113.043	95.65	91.49	87.51	83.70	80.06	76.57	73.24	70.05
29	560	0.078	112.436	95.63	91.44	87.44	83.62	79.96	76.46	73.12	69.92
30	566	0.078	111.838	95.60	91.40	87.38	83.54	79.86	76.35	73.00	69.79
31	572	0.079	111.250	95.58	91.36	87.32	83.46	79.77	76.24	72.87	69.65
32	578	0.079	110.671	95.56	91.31	87.26	83.38	79.68	76.14	72.75	69.52
33	584	0.079	110.101	95.54	91.27	87.19	83.30	79.58	76.03	72.63	69.39
34	590	0.080	109.540	95.51	91.23	87.13	83.22	79.49	75.92	72.52	69.26
35	596	0.080	108.987	95.49	91.18	87.07	83.15	79.40	75.82	72.40	69.13
36	602	0.081	108.442	95.47	91.14	87.01	83.07	79.30	75.71	72.28	69.00
37	608	0.081	107.906	95.45	91.10	86.95	82.99	79.21	75.61	72.16	68.88
38	614	0.081	107.378	95.42	91.06	86.89	82.92	79.12	75.50	72.05	68.75
39	620	0.082	106.857	95.40	91.02	86.83	82.84	79.03	75.40	71.93	68.63
40	626	0.082	106.343	95.38	90.98	86.77	82.77	78.94	75.30	71.82	68.50
41	632	0.083	105.837	95.36	90.93	86.71	82.69	78.85	75.19	71.70	68.38
42	638	0.083	105.339	95.34	90.89	86.66	82.62	78.76	75.09	71.59	68.25
43	644	0.083	104.847	95.32	90.85	86.60	82.54	78.68	74.99	71.48	68.13
44	650	0.084	104.362	95.30	90.81	86.54	82.47	78.59	74.89	71.37	68.01
45	656	0.084	103.883	95.27	90.77	86.48	82.40	78.50	74.79	71.26	67.89
46	662	0.084	103.411	95.25	90.73	86.43	82.32	78.42	74.69	71.15	67.77
47	668	0.085	102.946	95.23	90.69	86.37	82.25	78.33	74.59	71.04	67.65
48	674	0.085	102.487	95.21	90.65	86.31	82.18	78.24	74.50	70.93	67.53
49	680	0.086	102.034	95.19	90.61	86.25	82.11	78.16	74.40	70.82	67.42
50	686	0.086	101.586	95.17	90.57	86.20	82.04	78.07	74.30	70.71	67.30
51	692	0.086	101.145	95.15	90.53	86.14	81.96	77.99	74.21	70.61	67.18
52	698	0.087	100.709	95.13	90.50	86.09	81.89	77.91	74.11	70.50	67.07

Standard Conditions:

Attenuation: Ambient Temperature 20°C (68°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0, 0KW

Average Power: Ambient Temperature 40°C (104°F), Inner Conductor Temperature 100°C (212°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0