



MYAT, INC. Broadcast Transmission Line Systems, Filters & Combiners
 360 Franklin Turnpike, Mahwah, NJ 07430

Phone (201) 684-0100
 Fax (201) 684-0104

3 1/8" 50 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	0.068	71.210	96.14	92.44	88.87	85.45	82.15	78.98	75.94	73.01
3	60	0.072	67.556	95.94	92.04	88.31	84.72	81.28	77.98	74.82	71.78
4	66	0.076	64.412	95.75	91.67	87.77	84.04	80.46	77.04	73.76	70.63
5	76	0.081	60.025	95.44	91.09	86.94	82.98	79.20	75.59	72.14	68.85
6	82	0.084	57.787	95.27	90.76	86.47	82.38	78.48	74.77	71.24	67.87
7	174	0.123	39.670	93.19	86.83	80.92	75.40	70.26	65.48	61.01	56.86
8	180	0.125	39.003	93.07	86.63	80.62	75.04	69.84	65.00	60.50	56.31
9	186	0.127	38.369	92.96	86.42	80.34	74.68	69.43	64.54	60.00	55.78
10	192	0.129	37.765	92.85	86.22	80.06	74.34	69.02	64.09	59.51	55.26
11	198	0.131	37.188	92.75	86.02	79.78	74.00	68.63	63.65	59.03	54.75
12	204	0.133	36.637	92.64	85.83	79.51	73.66	68.24	63.22	58.57	54.26
13	210	0.135	36.110	92.54	85.63	79.25	73.33	67.86	62.80	58.11	53.78
14	470	0.202	24.137	89.05	79.29	70.61	62.88	55.99	49.86	44.40	39.53
15	476	0.203	23.985	88.98	79.18	70.45	62.69	55.78	49.64	44.17	39.30
16	482	0.204	23.835	88.92	79.06	70.30	62.51	55.58	49.42	43.94	39.07
17	488	0.205	23.688	88.85	78.95	70.14	62.32	55.38	49.20	43.72	38.84
18	494	0.207	23.544	88.79	78.83	69.99	62.14	55.18	48.99	43.50	38.62
19	500	0.208	23.402	88.72	78.72	69.84	61.97	54.98	48.78	43.28	38.40
20	506	0.209	23.263	88.66	78.61	69.69	61.79	54.78	48.57	43.06	38.18
21	512	0.210	23.126	88.60	78.49	69.54	61.61	54.59	48.36	42.85	37.96
22	518	0.212	22.992	88.53	78.38	69.40	61.44	54.39	48.16	42.64	37.75
23	524	0.213	22.860	88.47	78.27	69.25	61.27	54.20	47.95	42.43	37.54
24	530	0.214	22.730	88.41	78.16	69.10	61.10	54.01	47.75	42.22	37.33
25	536	0.215	22.602	88.35	78.05	68.96	60.93	53.83	47.56	42.01	37.12
26	542	0.216	22.477	88.29	77.95	68.82	60.76	53.64	47.36	41.81	36.91
27	548	0.218	22.354	88.23	77.84	68.68	60.59	53.46	47.16	41.61	36.71
28	554	0.219	22.232	88.17	77.73	68.53	60.42	53.27	46.97	41.41	36.51
29	560	0.220	22.113	88.11	77.63	68.40	60.26	53.09	46.78	41.22	36.31
30	566	0.221	21.995	88.05	77.52	68.26	60.10	52.91	46.59	41.02	36.12
31	572	0.222	21.880	87.99	77.42	68.12	59.94	52.74	46.40	40.83	35.92
32	578	0.223	21.766	87.93	77.31	67.98	59.78	52.56	46.22	40.64	35.73
33	584	0.225	21.654	87.87	77.21	67.85	59.62	52.39	46.03	40.45	35.54
34	590	0.226	21.543	87.81	77.11	67.71	59.46	52.21	45.85	40.26	35.35
35	596	0.227	21.435	87.75	77.01	67.58	59.30	52.04	45.67	40.08	35.17
36	602	0.228	21.327	87.70	76.91	67.45	59.15	51.87	45.49	39.89	34.98

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