



6 1/8" 75 Ohm Rigid Coaxial Transmission Line, FM Ratings and Efficiency in Percent

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
88.1	0.04122	165.731	97.66	95.37	93.13	90.94	88.81	86.73	84.70	82.71
88.3	0.04127	165.543	97.65	95.36	93.12	90.94	88.80	86.72	84.68	82.69
88.5	0.04132	165.356	97.65	95.35	93.11	90.93	88.79	86.70	84.66	82.67
88.7	0.04136	165.169	97.65	95.35	93.11	90.92	88.78	86.69	84.65	82.66
88.9	0.04141	164.984	97.64	95.34	93.10	90.91	88.76	86.67	84.63	82.64
89.1	0.04146	164.798	97.64	95.34	93.09	90.90	88.75	86.66	84.62	82.62
89.3	0.04150	164.614	97.64	95.33	93.08	90.89	88.74	86.65	84.60	82.60
89.5	0.04155	164.430	97.64	95.33	93.08	90.88	88.73	86.63	84.58	82.59
89.7	0.04159	164.246	97.63	95.32	93.07	90.87	88.72	86.62	84.57	82.57
89.9	0.04164	164.063	97.63	95.32	93.06	90.86	88.71	86.60	84.55	82.55
90.1	0.04169	163.881	97.63	95.31	93.05	90.85	88.69	86.59	84.54	82.53
90.3	0.04173	163.700	97.63	95.31	93.05	90.84	88.68	86.58	84.52	82.52
90.5	0.04178	163.519	97.62	95.30	93.04	90.83	88.67	86.56	84.51	82.50
90.7	0.04183	163.338	97.62	95.30	93.03	90.82	88.66	86.55	84.49	82.48
90.9	0.04187	163.158	97.62	95.29	93.02	90.81	88.65	86.54	84.47	82.46
91.1	0.04192	162.979	97.62	95.29	93.02	90.80	88.63	86.52	84.46	82.45
91.3	0.04196	162.801	97.61	95.28	93.01	90.79	88.62	86.51	84.44	82.43
91.5	0.04201	162.623	97.61	95.28	93.00	90.78	88.61	86.49	84.43	82.41
91.7	0.04206	162.445	97.61	95.27	92.99	90.77	88.60	86.48	84.41	82.39
91.9	0.04210	162.268	97.61	95.27	92.99	90.76	88.59	86.47	84.40	82.38
92.1	0.04215	162.092	97.60	95.26	92.98	90.75	88.58	86.45	84.38	82.36
92.3	0.04219	161.916	97.60	95.26	92.97	90.74	88.56	86.44	84.37	82.34
92.5	0.04224	161.741	97.60	95.25	92.97	90.73	88.55	86.43	84.35	82.32
92.7	0.04228	161.567	97.60	95.25	92.96	90.72	88.54	86.41	84.33	82.31
92.9	0.04233	161.393	97.59	95.24	92.95	90.71	88.53	86.40	84.32	82.29
93.1	0.04238	161.219	97.59	95.24	92.94	90.70	88.52	86.38	84.30	82.27
93.3	0.04242	161.046	97.59	95.23	92.94	90.69	88.51	86.37	84.29	82.25
93.5	0.04247	160.874	97.59	95.23	92.93	90.68	88.49	86.36	84.27	82.24
93.7	0.04251	160.702	97.58	95.22	92.92	90.68	88.48	86.34	84.26	82.22
93.9	0.04256	160.531	97.58	95.22	92.91	90.67	88.47	86.33	84.24	82.20
94.1	0.04260	160.360	97.58	95.21	92.91	90.66	88.46	86.32	84.23	82.19
94.3	0.04265	160.190	97.57	95.21	92.90	90.65	88.45	86.30	84.21	82.17
94.5	0.04269	160.021	97.57	95.20	92.89	90.64	88.44	86.29	84.20	82.15
94.7	0.04274	159.851	97.57	95.20	92.89	90.63	88.43	86.28	84.18	82.13
94.9	0.04278	159.683	97.57	95.19	92.88	90.62	88.41	86.26	84.16	82.12
95.1	0.04283	159.515	97.56	95.19	92.87	90.61	88.40	86.25	84.15	82.10
95.3	0.04287	159.347	97.56	95.18	92.86	90.60	88.39	86.24	84.13	82.08
95.5	0.04292	159.181	97.56	95.18	92.86	90.59	88.38	86.22	84.12	82.07
95.7	0.04296	159.014	97.56	95.17	92.85	90.58	88.37	86.21	84.10	82.05
95.9	0.04301	158.848	97.55	95.17	92.84	90.57	88.36	86.20	84.09	82.03
96.1	0.04305	158.683	97.55	95.16	92.83	90.56	88.35	86.18	84.07	82.02
96.3	0.04310	158.518	97.55	95.16	92.83	90.55	88.33	86.17	84.06	82.00
96.5	0.04314	158.354	97.55	95.15	92.82	90.54	88.32	86.16	84.04	81.98
96.7	0.04319	158.190	97.54	95.15	92.81	90.53	88.31	86.14	84.03	81.96
96.9	0.04323	158.026	97.54	95.14	92.81	90.52	88.30	86.13	84.01	81.95
97.1	0.04328	157.864	97.54	95.14	92.80	90.52	88.29	86.12	84.00	81.93
97.3	0.04332	157.701	97.54	95.13	92.79	90.51	88.28	86.10	83.98	81.91
97.5	0.04337	157.539	97.53	95.13	92.78	90.50	88.27	86.09	83.97	81.90
97.7	0.04341	157.378	97.53	95.13	92.78	90.49	88.25	86.08	83.95	81.88
97.9	0.04345	157.217	97.53	95.12	92.77	90.48	88.24	86.06	83.94	81.86

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



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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
98.1	0.04350	157.057	97.53	95.12	92.76	90.47	88.23	86.05	83.92	81.85
98.3	0.04354	156.897	97.52	95.11	92.76	90.46	88.22	86.04	83.91	81.83
98.5	0.04359	156.738	97.52	95.11	92.75	90.45	88.21	86.02	83.89	81.81
98.7	0.04363	156.579	97.52	95.10	92.74	90.44	88.20	86.01	83.88	81.80
98.9	0.04368	156.420	97.52	95.10	92.73	90.43	88.19	86.00	83.86	81.78
99.1	0.04372	156.262	97.51	95.09	92.73	90.42	88.18	85.98	83.85	81.76
99.3	0.04376	156.105	97.51	95.09	92.72	90.41	88.16	85.97	83.83	81.75
99.5	0.04381	155.948	97.51	95.08	92.71	90.40	88.15	85.96	83.82	81.73
99.7	0.04385	155.792	97.51	95.08	92.71	90.40	88.14	85.95	83.80	81.71
99.9	0.04390	155.636	97.50	95.07	92.70	90.39	88.13	85.93	83.79	81.70
100.1	0.04394	155.480	97.50	95.07	92.69	90.38	88.12	85.92	83.77	81.68
100.3	0.04398	155.325	97.50	95.06	92.69	90.37	88.11	85.91	83.76	81.66
100.5	0.04403	155.170	97.50	95.06	92.68	90.36	88.10	85.89	83.74	81.65
100.7	0.04407	155.016	97.49	95.05	92.67	90.35	88.09	85.88	83.73	81.63
100.9	0.04411	154.862	97.49	95.05	92.66	90.34	88.08	85.87	83.71	81.62
101.1	0.04416	154.709	97.49	95.04	92.66	90.33	88.06	85.85	83.70	81.60
101.3	0.04420	154.556	97.49	95.04	92.65	90.32	88.05	85.84	83.68	81.58
101.5	0.04425	154.404	97.49	95.03	92.64	90.31	88.04	85.83	83.67	81.57
101.7	0.04429	154.252	97.48	95.03	92.64	90.30	88.03	85.82	83.66	81.55
101.9	0.04433	154.101	97.48	95.02	92.63	90.30	88.02	85.80	83.64	81.53
102.1	0.04438	153.950	97.48	95.02	92.62	90.29	88.01	85.79	83.63	81.52
102.3	0.04442	153.799	97.48	95.01	92.62	90.28	88.00	85.78	83.61	81.50
102.5	0.04446	153.649	97.47	95.01	92.61	90.27	87.99	85.76	83.60	81.48
102.7	0.04451	153.499	97.47	95.01	92.60	90.26	87.98	85.75	83.58	81.47
102.9	0.04455	153.350	97.47	95.00	92.60	90.25	87.97	85.74	83.57	81.45
103.1	0.04459	153.201	97.47	95.00	92.59	90.24	87.95	85.73	83.55	81.44
103.3	0.04464	153.053	97.46	94.99	92.58	90.23	87.94	85.71	83.54	81.42
103.5	0.04468	152.905	97.46	94.99	92.57	90.22	87.93	85.70	83.52	81.40
103.7	0.04472	152.757	97.46	94.98	92.57	90.21	87.92	85.69	83.51	81.39
103.9	0.04477	152.610	97.46	94.98	92.56	90.21	87.91	85.67	83.49	81.37
104.1	0.04481	152.464	97.45	94.97	92.55	90.20	87.90	85.66	83.48	81.35
104.3	0.04485	152.317	97.45	94.97	92.55	90.19	87.89	85.65	83.47	81.34
104.5	0.04489	152.172	97.45	94.96	92.54	90.18	87.88	85.64	83.45	81.32
104.7	0.04494	152.026	97.45	94.96	92.53	90.17	87.87	85.62	83.44	81.31
104.9	0.04498	151.881	97.44	94.95	92.53	90.16	87.86	85.61	83.42	81.29
105.1	0.04502	151.737	97.44	94.95	92.52	90.15	87.85	85.60	83.41	81.27
105.3	0.04507	151.592	97.44	94.94	92.51	90.14	87.83	85.59	83.39	81.26
105.5	0.04511	151.449	97.44	94.94	92.51	90.13	87.82	85.57	83.38	81.24
105.7	0.04515	151.305	97.43	94.93	92.50	90.13	87.81	85.56	83.37	81.23
105.9	0.04519	151.162	97.43	94.93	92.49	90.12	87.80	85.55	83.35	81.21
106.1	0.04524	151.020	97.43	94.93	92.49	90.11	87.79	85.54	83.34	81.19
106.3	0.04528	150.878	97.43	94.92	92.48	90.10	87.78	85.52	83.32	81.18
106.5	0.04532	150.736	97.42	94.92	92.47	90.09	87.77	85.51	83.31	81.16
106.7	0.04536	150.595	97.42	94.91	92.46	90.08	87.76	85.50	83.29	81.15
106.9	0.04541	150.454	97.42	94.91	92.46	90.07	87.75	85.48	83.28	81.13
107.1	0.04545	150.313	97.42	94.90	92.45	90.06	87.74	85.47	83.27	81.11
107.3	0.04549	150.173	97.42	94.90	92.44	90.05	87.73	85.46	83.25	81.10
107.5	0.04553	150.033	97.41	94.89	92.44	90.05	87.72	85.45	83.24	81.08
107.7	0.04558	149.894	97.41	94.89	92.43	90.04	87.71	85.43	83.22	81.07
107.9	0.04562	149.755	97.41	94.88	92.42	90.03	87.70	85.42	83.21	81.05

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