



**6 1/8" 50 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	0.04545	190.323	97.42	94.90	92.45	90.06	87.74	85.47	83.27	81.12
88.3	0.04550	190.107	97.41	94.90	92.44	90.05	87.73	85.46	83.25	81.10
88.5	0.04555	189.892	97.41	94.89	92.44	90.04	87.71	85.44	83.23	81.08
88.7	0.04560	189.678	97.41	94.89	92.43	90.03	87.70	85.43	83.21	81.06
88.9	0.04565	189.465	97.41	94.88	92.42	90.02	87.69	85.41	83.20	81.04
89.1	0.04570	189.252	97.40	94.87	92.41	90.01	87.67	85.40	83.18	81.02
89.3	0.04576	189.040	97.40	94.87	92.40	90.00	87.66	85.38	83.16	81.00
89.5	0.04581	188.829	97.40	94.86	92.39	89.99	87.65	85.37	83.15	80.98
89.7	0.04586	188.618	97.39	94.86	92.39	89.98	87.63	85.35	83.13	80.96
89.9	0.04591	188.408	97.39	94.85	92.38	89.97	87.62	85.34	83.11	80.94
90.1	0.04596	188.199	97.39	94.85	92.37	89.96	87.61	85.32	83.09	80.92
90.3	0.04601	187.990	97.39	94.84	92.36	89.95	87.60	85.31	83.08	80.91
90.5	0.04606	187.782	97.38	94.84	92.35	89.94	87.58	85.29	83.06	80.89
90.7	0.04611	187.575	97.38	94.83	92.35	89.93	87.57	85.28	83.04	80.87
90.9	0.04616	187.369	97.38	94.82	92.34	89.92	87.56	85.26	83.03	80.85
91.1	0.04621	187.163	97.37	94.82	92.33	89.91	87.55	85.25	83.01	80.83
91.3	0.04627	186.958	97.37	94.81	92.32	89.89	87.53	85.23	82.99	80.81
91.5	0.04632	186.754	97.37	94.81	92.31	89.88	87.52	85.22	82.97	80.79
91.7	0.04637	186.550	97.37	94.80	92.30	89.87	87.51	85.20	82.96	80.77
91.9	0.04642	186.347	97.36	94.80	92.30	89.86	87.49	85.19	82.94	80.75
92.1	0.04647	186.144	97.36	94.79	92.29	89.85	87.48	85.17	82.92	80.74
92.3	0.04652	185.942	97.36	94.79	92.28	89.84	87.47	85.16	82.91	80.72
92.5	0.04657	185.741	97.35	94.78	92.27	89.83	87.46	85.14	82.89	80.70
92.7	0.04662	185.541	97.35	94.77	92.26	89.82	87.44	85.13	82.87	80.68
92.9	0.04667	185.341	97.35	94.77	92.26	89.81	87.43	85.11	82.86	80.66
93.1	0.04672	185.142	97.35	94.76	92.25	89.80	87.42	85.10	82.84	80.64
93.3	0.04677	184.943	97.34	94.76	92.24	89.79	87.41	85.08	82.82	80.62
93.5	0.04682	184.745	97.34	94.75	92.23	89.78	87.39	85.07	82.81	80.60
93.7	0.04687	184.548	97.34	94.75	92.22	89.77	87.38	85.05	82.79	80.59
93.9	0.04692	184.351	97.34	94.74	92.22	89.76	87.37	85.04	82.77	80.57
94.1	0.04697	184.155	97.33	94.74	92.21	89.75	87.36	85.02	82.76	80.55
94.3	0.04702	183.960	97.33	94.73	92.20	89.74	87.34	85.01	82.74	80.53
94.5	0.04707	183.765	97.33	94.73	92.19	89.73	87.33	85.00	82.72	80.51
94.7	0.04712	183.571	97.32	94.72	92.19	89.72	87.32	84.98	82.71	80.49
94.9	0.04717	183.378	97.32	94.71	92.18	89.71	87.30	84.97	82.69	80.48
95.1	0.04722	183.185	97.32	94.71	92.17	89.70	87.29	84.95	82.67	80.46
95.3	0.04727	182.992	97.32	94.70	92.16	89.69	87.28	84.94	82.66	80.44
95.5	0.04732	182.801	97.31	94.70	92.15	89.68	87.27	84.92	82.64	80.42
95.7	0.04737	182.610	97.31	94.69	92.15	89.67	87.26	84.91	82.62	80.40
95.9	0.04742	182.419	97.31	94.69	92.14	89.66	87.24	84.89	82.61	80.38
96.1	0.04747	182.229	97.30	94.68	92.13	89.65	87.23	84.88	82.59	80.37
96.3	0.04752	182.040	97.30	94.68	92.12	89.64	87.22	84.86	82.57	80.35
96.5	0.04756	181.851	97.30	94.67	92.11	89.63	87.21	84.85	82.56	80.33
96.7	0.04761	181.663	97.30	94.67	92.11	89.62	87.19	84.84	82.54	80.31
96.9	0.04766	181.475	97.29	94.66	92.10	89.61	87.18	84.82	82.53	80.29
97.1	0.04771	181.288	97.29	94.66	92.09	89.60	87.17	84.81	82.51	80.27
97.3	0.04776	181.102	97.29	94.65	92.08	89.59	87.16	84.79	82.49	80.26
97.5	0.04781	180.916	97.29	94.64	92.08	89.58	87.14	84.78	82.48	80.24
97.7	0.04786	180.731	97.28	94.64	92.07	89.57	87.13	84.76	82.46	80.22
97.9	0.04791	180.546	97.28	94.63	92.06	89.56	87.12	84.75	82.44	80.20

**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	0.04796	180.362	97.28	94.63	92.05	89.55	87.11	84.74	82.43	80.18
98.3	0.04801	180.178	97.27	94.62	92.04	89.54	87.09	84.72	82.41	80.17
98.5	0.04806	179.995	97.27	94.62	92.04	89.53	87.08	84.71	82.40	80.15
98.7	0.04810	179.813	97.27	94.61	92.03	89.52	87.07	84.69	82.38	80.13
98.9	0.04815	179.631	97.27	94.61	92.02	89.51	87.06	84.68	82.36	80.11
99.1	0.04820	179.450	97.26	94.60	92.01	89.49	87.05	84.66	82.35	80.09
99.3	0.04825	179.269	97.26	94.60	92.01	89.48	87.03	84.65	82.33	80.08
99.5	0.04830	179.089	97.26	94.59	92.00	89.47	87.02	84.64	82.31	80.06
99.7	0.04835	178.909	97.26	94.59	91.99	89.46	87.01	84.62	82.30	80.04
99.9	0.04840	178.730	97.25	94.58	91.98	89.45	87.00	84.61	82.28	80.02
100.1	0.04844	178.551	97.25	94.58	91.97	89.45	86.99	84.59	82.27	80.00
100.3	0.04849	178.373	97.25	94.57	91.97	89.44	86.97	84.58	82.25	79.99
100.5	0.04854	178.195	97.24	94.56	91.96	89.43	86.96	84.56	82.23	79.97
100.7	0.04859	178.018	97.24	94.56	91.95	89.42	86.95	84.55	82.22	79.95
100.9	0.04864	177.842	97.24	94.55	91.94	89.41	86.94	84.54	82.20	79.93
101.1	0.04869	177.666	97.24	94.55	91.94	89.40	86.92	84.52	82.19	79.92
101.3	0.04873	177.490	97.23	94.54	91.93	89.39	86.91	84.51	82.17	79.90
101.5	0.04878	177.315	97.23	94.54	91.92	89.38	86.90	84.49	82.15	79.88
101.7	0.04883	177.141	97.23	94.53	91.91	89.37	86.89	84.48	82.14	79.86
101.9	0.04888	176.967	97.23	94.53	91.91	89.36	86.88	84.47	82.12	79.84
102.1	0.04893	176.794	97.22	94.52	91.90	89.35	86.86	84.45	82.11	79.83
102.3	0.04897	176.621	97.22	94.52	91.89	89.34	86.85	84.44	82.09	79.81
102.5	0.04902	176.448	97.22	94.51	91.88	89.33	86.84	84.42	82.08	79.79
102.7	0.04907	176.276	97.21	94.51	91.88	89.32	86.83	84.41	82.06	79.77
102.9	0.04912	176.105	97.21	94.50	91.87	89.31	86.82	84.40	82.04	79.76
103.1	0.04916	175.934	97.21	94.50	91.86	89.30	86.80	84.38	82.03	79.74
103.3	0.04921	175.764	97.21	94.49	91.85	89.29	86.79	84.37	82.01	79.72
103.5	0.04926	175.594	97.20	94.49	91.84	89.28	86.78	84.35	82.00	79.70
103.7	0.04931	175.424	97.20	94.48	91.84	89.27	86.77	84.34	81.98	79.69
103.9	0.04935	175.255	97.20	94.48	91.83	89.26	86.76	84.33	81.97	79.67
104.1	0.04940	175.087	97.20	94.47	91.82	89.25	86.75	84.31	81.95	79.65
104.3	0.04945	174.919	97.19	94.47	91.81	89.24	86.73	84.30	81.93	79.63
104.5	0.04950	174.752	97.19	94.46	91.81	89.23	86.72	84.29	81.92	79.62
104.7	0.04954	174.585	97.19	94.46	91.80	89.22	86.71	84.27	81.90	79.60
104.9	0.04959	174.418	97.19	94.45	91.79	89.21	86.70	84.26	81.89	79.58
105.1	0.04964	174.252	97.18	94.45	91.78	89.20	86.69	84.24	81.87	79.56
105.3	0.04969	174.087	97.18	94.44	91.78	89.19	86.67	84.23	81.86	79.55
105.5	0.04973	173.921	97.18	94.44	91.77	89.18	86.66	84.22	81.84	79.53
105.7	0.04978	173.757	97.18	94.43	91.76	89.17	86.65	84.20	81.82	79.51
105.9	0.04983	173.593	97.17	94.42	91.75	89.16	86.64	84.19	81.81	79.50
106.1	0.04987	173.429	97.17	94.42	91.75	89.15	86.63	84.18	81.79	79.48
106.3	0.04992	173.266	97.17	94.41	91.74	89.14	86.62	84.16	81.78	79.46
106.5	0.04997	173.103	97.16	94.41	91.73	89.13	86.60	84.15	81.76	79.44
106.7	0.05002	172.941	97.16	94.40	91.73	89.12	86.59	84.14	81.75	79.43
106.9	0.05006	172.779	97.16	94.40	91.72	89.11	86.58	84.12	81.73	79.41
107.1	0.05011	172.617	97.16	94.39	91.71	89.10	86.57	84.11	81.72	79.39
107.3	0.05016	172.456	97.15	94.39	91.70	89.09	86.56	84.09	81.70	79.38
107.5	0.05020	172.296	97.15	94.38	91.70	89.08	86.55	84.08	81.69	79.36
107.7	0.05025	172.136	97.15	94.38	91.69	89.07	86.53	84.07	81.67	79.34
107.9	0.05030	171.976	97.15	94.37	91.68	89.06	86.52	84.05	81.65	79.32

**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