



9 3/16" 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	0.03019	397.772	98.28	96.58	94.92	93.28	91.68	90.10	88.54	87.02
88.3	0.03023	397.321	98.28	96.58	94.91	93.28	91.67	90.09	88.53	87.01
88.5	0.03026	396.872	98.27	96.58	94.91	93.27	91.66	90.08	88.52	86.99
88.7	0.03030	396.424	98.27	96.57	94.90	93.26	91.65	90.07	88.51	86.98
88.9	0.03033	395.978	98.27	96.57	94.90	93.25	91.64	90.05	88.50	86.96
89.1	0.03036	395.534	98.27	96.56	94.89	93.25	91.63	90.04	88.48	86.95
89.3	0.03040	395.090	98.27	96.56	94.89	93.24	91.62	90.03	88.47	86.94
89.5	0.03043	394.649	98.26	96.56	94.88	93.23	91.61	90.02	88.46	86.92
89.7	0.03047	394.209	98.26	96.55	94.87	93.23	91.60	90.01	88.45	86.91
89.9	0.03050	393.770	98.26	96.55	94.87	93.22	91.60	90.00	88.44	86.90
90.1	0.03053	393.333	98.26	96.55	94.86	93.21	91.59	89.99	88.42	86.88
90.3	0.03057	392.897	98.26	96.54	94.86	93.20	91.58	89.98	88.41	86.87
90.5	0.03060	392.462	98.25	96.54	94.85	93.20	91.57	89.97	88.40	86.86
90.7	0.03064	392.029	98.25	96.53	94.85	93.19	91.56	89.96	88.39	86.84
90.9	0.03067	391.598	98.25	96.53	94.84	93.18	91.55	89.95	88.37	86.83
91.1	0.03070	391.168	98.25	96.53	94.84	93.17	91.54	89.94	88.36	86.81
91.3	0.03074	390.739	98.25	96.52	94.83	93.17	91.53	89.93	88.35	86.80
91.5	0.03077	390.312	98.24	96.52	94.82	93.16	91.52	89.92	88.34	86.79
91.7	0.03080	389.886	98.24	96.52	94.82	93.15	91.52	89.91	88.33	86.77
91.9	0.03084	389.461	98.24	96.51	94.81	93.15	91.51	89.90	88.32	86.76
92.1	0.03087	389.038	98.24	96.51	94.81	93.14	91.50	89.89	88.30	86.75
92.3	0.03090	388.617	98.24	96.50	94.80	93.13	91.49	89.88	88.29	86.73
92.5	0.03094	388.196	98.23	96.50	94.80	93.12	91.48	89.87	88.28	86.72
92.7	0.03097	387.777	98.23	96.50	94.79	93.12	91.47	89.86	88.27	86.71
92.9	0.03100	387.360	98.23	96.49	94.79	93.11	91.46	89.84	88.26	86.69
93.1	0.03104	386.943	98.23	96.49	94.78	93.10	91.45	89.83	88.24	86.68
93.3	0.03107	386.528	98.23	96.49	94.78	93.10	91.45	89.82	88.23	86.67
93.5	0.03110	386.115	98.23	96.48	94.77	93.09	91.44	89.81	88.22	86.65
93.7	0.03114	385.703	98.22	96.48	94.76	93.08	91.43	89.80	88.21	86.64
93.9	0.03117	385.292	98.22	96.47	94.76	93.07	91.42	89.79	88.20	86.63
94.1	0.03120	384.882	98.22	96.47	94.75	93.07	91.41	89.78	88.18	86.61
94.3	0.03124	384.474	98.22	96.47	94.75	93.06	91.40	89.77	88.17	86.60
94.5	0.03127	384.066	98.22	96.46	94.74	93.05	91.39	89.76	88.16	86.59
94.7	0.03130	383.661	98.21	96.46	94.74	93.05	91.38	89.75	88.15	86.58
94.9	0.03134	383.256	98.21	96.46	94.73	93.04	91.38	89.74	88.14	86.56
95.1	0.03137	382.853	98.21	96.45	94.73	93.03	91.37	89.73	88.13	86.55
95.3	0.03140	382.451	98.21	96.45	94.72	93.02	91.36	89.72	88.11	86.54
95.5	0.03144	382.050	98.21	96.45	94.72	93.02	91.35	89.71	88.10	86.52
95.7	0.03147	381.651	98.20	96.44	94.71	93.01	91.34	89.70	88.09	86.51
95.9	0.03150	381.253	98.20	96.44	94.71	93.00	91.33	89.69	88.08	86.50
96.1	0.03153	380.856	98.20	96.43	94.70	93.00	91.32	89.68	88.07	86.48
96.3	0.03157	380.460	98.20	96.43	94.69	92.99	91.31	89.67	88.06	86.47
96.5	0.03160	380.066	98.20	96.43	94.69	92.98	91.31	89.66	88.04	86.46
96.7	0.03163	379.672	98.20	96.42	94.68	92.98	91.30	89.65	88.03	86.44
96.9	0.03167	379.280	98.19	96.42	94.68	92.97	91.29	89.64	88.02	86.43
97.1	0.03170	378.890	98.19	96.42	94.67	92.96	91.28	89.63	88.01	86.42
97.3	0.03173	378.500	98.19	96.41	94.67	92.95	91.27	89.62	88.00	86.41
97.5	0.03176	378.112	98.19	96.41	94.66	92.95	91.26	89.61	87.99	86.39
97.7	0.03180	377.724	98.19	96.41	94.66	92.94	91.25	89.60	87.97	86.38
97.9	0.03183	377.338	98.18	96.40	94.65	92.93	91.25	89.59	87.96	86.37

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	0.03186	376.953	98.18	96.40	94.65	92.93	91.24	89.58	87.95	86.35
98.3	0.03189	376.570	98.18	96.39	94.64	92.92	91.23	89.57	87.94	86.34
98.5	0.03193	376.187	98.18	96.39	94.64	92.91	91.22	89.56	87.93	86.33
98.7	0.03196	375.806	98.18	96.39	94.63	92.91	91.21	89.55	87.92	86.31
98.9	0.03199	375.426	98.18	96.38	94.63	92.90	91.20	89.54	87.91	86.30
99.1	0.03202	375.047	98.17	96.38	94.62	92.89	91.20	89.53	87.89	86.29
99.3	0.03205	374.669	98.17	96.38	94.61	92.88	91.19	89.52	87.88	86.28
99.5	0.03209	374.292	98.17	96.37	94.61	92.88	91.18	89.51	87.87	86.26
99.7	0.03212	373.917	98.17	96.37	94.60	92.87	91.17	89.50	87.86	86.25
99.9	0.03215	373.542	98.17	96.37	94.60	92.86	91.16	89.49	87.85	86.24
100.1	0.03218	373.169	98.16	96.36	94.59	92.86	91.15	89.48	87.84	86.22
100.3	0.03222	372.796	98.16	96.36	94.59	92.85	91.14	89.47	87.83	86.21
100.5	0.03225	372.425	98.16	96.36	94.58	92.84	91.14	89.46	87.81	86.20
100.7	0.03228	372.055	98.16	96.35	94.58	92.84	91.13	89.45	87.80	86.19
100.9	0.03231	371.686	98.16	96.35	94.57	92.83	91.12	89.44	87.79	86.17
101.1	0.03234	371.319	98.16	96.34	94.57	92.82	91.11	89.43	87.78	86.16
101.3	0.03238	370.952	98.15	96.34	94.56	92.82	91.10	89.42	87.77	86.15
101.5	0.03241	370.586	98.15	96.34	94.56	92.81	91.09	89.41	87.76	86.14
101.7	0.03244	370.222	98.15	96.33	94.55	92.80	91.09	89.40	87.75	86.12
101.9	0.03247	369.858	98.15	96.33	94.55	92.80	91.08	89.39	87.74	86.11
102.1	0.03250	369.496	98.15	96.33	94.54	92.79	91.07	89.38	87.72	86.10
102.3	0.03254	369.134	98.14	96.32	94.54	92.78	91.06	89.37	87.71	86.09
102.5	0.03257	368.774	98.14	96.32	94.53	92.78	91.05	89.36	87.70	86.07
102.7	0.03260	368.415	98.14	96.32	94.53	92.77	91.04	89.35	87.69	86.06
102.9	0.03263	368.057	98.14	96.31	94.52	92.76	91.04	89.34	87.68	86.05
103.1	0.03266	367.699	98.14	96.31	94.52	92.76	91.03	89.33	87.67	86.03
103.3	0.03269	367.343	98.14	96.31	94.51	92.75	91.02	89.32	87.66	86.02
103.5	0.03273	366.988	98.13	96.30	94.51	92.74	91.01	89.31	87.65	86.01
103.7	0.03276	366.634	98.13	96.30	94.50	92.73	91.00	89.30	87.63	86.00
103.9	0.03279	366.281	98.13	96.30	94.49	92.73	90.99	89.29	87.62	85.98
104.1	0.03282	365.929	98.13	96.29	94.49	92.72	90.99	89.28	87.61	85.97
104.3	0.03285	365.578	98.13	96.29	94.48	92.71	90.98	89.27	87.60	85.96
104.5	0.03288	365.228	98.12	96.28	94.48	92.71	90.97	89.26	87.59	85.95
104.7	0.03291	364.879	98.12	96.28	94.47	92.70	90.96	89.25	87.58	85.94
104.9	0.03295	364.531	98.12	96.28	94.47	92.69	90.95	89.24	87.57	85.92
105.1	0.03298	364.184	98.12	96.27	94.46	92.69	90.94	89.23	87.56	85.91
105.3	0.03301	363.838	98.12	96.27	94.46	92.68	90.94	89.22	87.55	85.90
105.5	0.03304	363.493	98.12	96.27	94.45	92.67	90.93	89.22	87.53	85.89
105.7	0.03307	363.149	98.11	96.26	94.45	92.67	90.92	89.21	87.52	85.87
105.9	0.03310	362.806	98.11	96.26	94.44	92.66	90.91	89.20	87.51	85.86
106.1	0.03313	362.464	98.11	96.26	94.44	92.65	90.90	89.19	87.50	85.85
106.3	0.03317	362.123	98.11	96.25	94.43	92.65	90.90	89.18	87.49	85.84
106.5	0.03320	361.782	98.11	96.25	94.43	92.64	90.89	89.17	87.48	85.82
106.7	0.03323	361.443	98.11	96.25	94.42	92.63	90.88	89.16	87.47	85.81
106.9	0.03326	361.105	98.10	96.24	94.42	92.63	90.87	89.15	87.46	85.80
107.1	0.03329	360.768	98.10	96.24	94.41	92.62	90.86	89.14	87.45	85.79
107.3	0.03332	360.431	98.10	96.24	94.41	92.61	90.85	89.13	87.44	85.77
107.5	0.03335	360.096	98.10	96.23	94.40	92.61	90.85	89.12	87.42	85.76
107.7	0.03338	359.761	98.10	96.23	94.40	92.60	90.84	89.11	87.41	85.75
107.9	0.03341	359.428	98.09	96.23	94.39	92.59	90.83	89.10	87.40	85.74

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