



7 3/16" 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	0.03522	223.489	97.99	96.03	94.10	92.21	90.36	88.55	86.77	85.03
88.3	0.03526	223.236	97.99	96.02	94.09	92.20	90.35	88.53	86.76	85.01
88.5	0.03530	222.983	97.99	96.02	94.09	92.19	90.34	88.52	86.74	85.00
88.7	0.03534	222.732	97.99	96.01	94.08	92.18	90.33	88.51	86.73	84.98
88.9	0.03538	222.481	97.98	96.01	94.07	92.18	90.32	88.50	86.71	84.97
89.1	0.03542	222.231	97.98	96.00	94.07	92.17	90.31	88.49	86.70	84.95
89.3	0.03546	221.982	97.98	96.00	94.06	92.16	90.30	88.47	86.69	84.93
89.5	0.03550	221.734	97.98	96.00	94.05	92.15	90.29	88.46	86.67	84.92
89.7	0.03554	221.487	97.98	95.99	94.05	92.14	90.28	88.45	86.66	84.90
89.9	0.03558	221.240	97.97	95.99	94.04	92.13	90.27	88.44	86.64	84.89
90.1	0.03562	220.994	97.97	95.98	94.03	92.13	90.26	88.42	86.63	84.87
90.3	0.03566	220.750	97.97	95.98	94.03	92.12	90.25	88.41	86.62	84.86
90.5	0.03570	220.506	97.97	95.97	94.02	92.11	90.24	88.40	86.60	84.84
90.7	0.03574	220.262	97.96	95.97	94.02	92.10	90.23	88.39	86.59	84.83
90.9	0.03578	220.020	97.96	95.96	94.01	92.09	90.22	88.38	86.58	84.81
91.1	0.03581	219.778	97.96	95.96	94.00	92.08	90.21	88.36	86.56	84.80
91.3	0.03585	219.537	97.96	95.96	94.00	92.08	90.19	88.35	86.55	84.78
91.5	0.03589	219.297	97.96	95.95	93.99	92.07	90.18	88.34	86.53	84.76
91.7	0.03593	219.058	97.95	95.95	93.98	92.06	90.17	88.33	86.52	84.75
91.9	0.03597	218.820	97.95	95.94	93.98	92.05	90.16	88.32	86.51	84.73
92.1	0.03601	218.582	97.95	95.94	93.97	92.04	90.15	88.30	86.49	84.72
92.3	0.03605	218.345	97.95	95.93	93.96	92.03	90.14	88.29	86.48	84.70
92.5	0.03609	218.109	97.94	95.93	93.96	92.03	90.13	88.28	86.47	84.69
92.7	0.03613	217.873	97.94	95.93	93.95	92.02	90.12	88.27	86.45	84.67
92.9	0.03617	217.639	97.94	95.92	93.95	92.01	90.11	88.26	86.44	84.66
93.1	0.03621	217.405	97.94	95.92	93.94	92.00	90.10	88.25	86.43	84.64
93.3	0.03624	217.172	97.94	95.91	93.93	91.99	90.09	88.23	86.41	84.63
93.5	0.03628	216.939	97.93	95.91	93.93	91.98	90.08	88.22	86.40	84.61
93.7	0.03632	216.708	97.93	95.90	93.92	91.98	90.07	88.21	86.38	84.60
93.9	0.03636	216.477	97.93	95.90	93.91	91.97	90.06	88.20	86.37	84.58
94.1	0.03640	216.246	97.93	95.90	93.91	91.96	90.05	88.19	86.36	84.57
94.3	0.03644	216.017	97.92	95.89	93.90	91.95	90.04	88.17	86.34	84.55
94.5	0.03648	215.788	97.92	95.89	93.89	91.94	90.03	88.16	86.33	84.54
94.7	0.03652	215.560	97.92	95.88	93.89	91.94	90.02	88.15	86.32	84.52
94.9	0.03655	215.333	97.92	95.88	93.88	91.93	90.01	88.14	86.30	84.51
95.1	0.03659	215.107	97.92	95.87	93.88	91.92	90.00	88.13	86.29	84.49
95.3	0.03663	214.881	97.91	95.87	93.87	91.91	89.99	88.12	86.28	84.48
95.5	0.03667	214.656	97.91	95.87	93.86	91.90	89.98	88.10	86.26	84.46
95.7	0.03671	214.431	97.91	95.86	93.86	91.90	89.97	88.09	86.25	84.45
95.9	0.03675	214.207	97.91	95.86	93.85	91.89	89.96	88.08	86.24	84.43
96.1	0.03678	213.984	97.90	95.85	93.85	91.88	89.95	88.07	86.22	84.42
96.3	0.03682	213.762	97.90	95.85	93.84	91.87	89.94	88.06	86.21	84.40
96.5	0.03686	213.540	97.90	95.85	93.83	91.86	89.93	88.05	86.20	84.39
96.7	0.03690	213.320	97.90	95.84	93.83	91.85	89.92	88.03	86.18	84.37
96.9	0.03694	213.099	97.90	95.84	93.82	91.85	89.91	88.02	86.17	84.36
97.1	0.03698	212.880	97.89	95.83	93.81	91.84	89.90	88.01	86.16	84.34
97.3	0.03701	212.661	97.89	95.83	93.81	91.83	89.89	88.00	86.14	84.33
97.5	0.03705	212.443	97.89	95.82	93.80	91.82	89.88	87.99	86.13	84.31
97.7	0.03709	212.225	97.89	95.82	93.80	91.81	89.87	87.98	86.12	84.30
97.9	0.03713	212.008	97.89	95.82	93.79	91.81	89.87	87.96	86.10	84.28

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	0.03717	211.792	97.88	95.81	93.78	91.80	89.86	87.95	86.09	84.27
98.3	0.03720	211.576	97.88	95.81	93.78	91.79	89.85	87.94	86.08	84.25
98.5	0.03724	211.361	97.88	95.80	93.77	91.78	89.84	87.93	86.07	84.24
98.7	0.03728	211.147	97.88	95.80	93.77	91.77	89.83	87.92	86.05	84.23
98.9	0.03732	210.934	97.87	95.79	93.76	91.77	89.82	87.91	86.04	84.21
99.1	0.03735	210.721	97.87	95.79	93.75	91.76	89.81	87.90	86.03	84.20
99.3	0.03739	210.508	97.87	95.79	93.75	91.75	89.80	87.88	86.01	84.18
99.5	0.03743	210.297	97.87	95.78	93.74	91.74	89.79	87.87	86.00	84.17
99.7	0.03747	210.086	97.87	95.78	93.73	91.73	89.78	87.86	85.99	84.15
99.9	0.03750	209.875	97.86	95.77	93.73	91.73	89.77	87.85	85.97	84.14
100.1	0.03754	209.665	97.86	95.77	93.72	91.72	89.76	87.84	85.96	84.12
100.3	0.03758	209.456	97.86	95.77	93.72	91.71	89.75	87.83	85.95	84.11
100.5	0.03762	209.248	97.86	95.76	93.71	91.70	89.74	87.82	85.93	84.09
100.7	0.03765	209.040	97.86	95.76	93.70	91.69	89.73	87.80	85.92	84.08
100.9	0.03769	208.833	97.85	95.75	93.70	91.69	89.72	87.79	85.91	84.07
101.1	0.03773	208.626	97.85	95.75	93.69	91.68	89.71	87.78	85.90	84.05
101.3	0.03777	208.420	97.85	95.75	93.69	91.67	89.70	87.77	85.88	84.04
101.5	0.03780	208.214	97.85	95.74	93.68	91.66	89.69	87.76	85.87	84.02
101.7	0.03784	208.010	97.85	95.74	93.67	91.66	89.68	87.75	85.86	84.01
101.9	0.03788	207.805	97.84	95.73	93.67	91.65	89.67	87.74	85.84	83.99
102.1	0.03792	207.602	97.84	95.73	93.66	91.64	89.66	87.73	85.83	83.98
102.3	0.03795	207.399	97.84	95.72	93.66	91.63	89.65	87.71	85.82	83.96
102.5	0.03799	207.196	97.84	95.72	93.65	91.62	89.64	87.70	85.81	83.95
102.7	0.03803	206.994	97.83	95.72	93.64	91.62	89.63	87.69	85.79	83.94
102.9	0.03806	206.793	97.83	95.71	93.64	91.61	89.62	87.68	85.78	83.92
103.1	0.03810	206.592	97.83	95.71	93.63	91.60	89.61	87.67	85.77	83.91
103.3	0.03814	206.392	97.83	95.70	93.63	91.59	89.60	87.66	85.75	83.89
103.5	0.03817	206.193	97.83	95.70	93.62	91.59	89.59	87.65	85.74	83.88
103.7	0.03821	205.994	97.82	95.70	93.61	91.58	89.59	87.64	85.73	83.86
103.9	0.03825	205.796	97.82	95.69	93.61	91.57	89.58	87.62	85.72	83.85
104.1	0.03828	205.598	97.82	95.69	93.60	91.56	89.57	87.61	85.70	83.84
104.3	0.03832	205.401	97.82	95.68	93.60	91.55	89.56	87.60	85.69	83.82
104.5	0.03836	205.204	97.82	95.68	93.59	91.55	89.55	87.59	85.68	83.81
104.7	0.03840	205.008	97.81	95.68	93.58	91.54	89.54	87.58	85.67	83.79
104.9	0.03843	204.812	97.81	95.67	93.58	91.53	89.53	87.57	85.65	83.78
105.1	0.03847	204.617	97.81	95.67	93.57	91.52	89.52	87.56	85.64	83.77
105.3	0.03851	204.423	97.81	95.66	93.57	91.52	89.51	87.55	85.63	83.75
105.5	0.03854	204.229	97.81	95.66	93.56	91.51	89.50	87.54	85.62	83.74
105.7	0.03858	204.036	97.80	95.66	93.55	91.50	89.49	87.53	85.60	83.72
105.9	0.03861	203.843	97.80	95.65	93.55	91.49	89.48	87.51	85.59	83.71
106.1	0.03865	203.651	97.80	95.65	93.54	91.48	89.47	87.50	85.58	83.69
106.3	0.03869	203.459	97.80	95.64	93.54	91.48	89.46	87.49	85.57	83.68
106.5	0.03872	203.268	97.80	95.64	93.53	91.47	89.45	87.48	85.55	83.67
106.7	0.03876	203.077	97.79	95.64	93.53	91.46	89.44	87.47	85.54	83.65
106.9	0.03880	202.887	97.79	95.63	93.52	91.45	89.43	87.46	85.53	83.64
107.1	0.03883	202.698	97.79	95.63	93.51	91.45	89.43	87.45	85.52	83.62
107.3	0.03887	202.509	97.79	95.62	93.51	91.44	89.42	87.44	85.50	83.61
107.5	0.03891	202.320	97.79	95.62	93.50	91.43	89.41	87.43	85.49	83.60
107.7	0.03894	202.132	97.78	95.62	93.50	91.42	89.40	87.42	85.48	83.58
107.9	0.03898	201.945	97.78	95.61	93.49	91.42	89.39	87.40	85.47	83.57

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