



9 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	0.02734	331.771	98.439	96.901	95.388	93.899	92.433	90.989	89.569	88.170
88.3	0.02737	331.395	98.437	96.898	95.383	93.892	92.424	90.980	89.557	88.157
88.5	0.02740	331.021	98.435	96.895	95.378	93.885	92.416	90.970	89.546	88.145
88.7	0.02743	330.647	98.433	96.891	95.373	93.879	92.408	90.960	89.535	88.132
88.9	0.02746	330.275	98.432	96.888	95.368	93.872	92.400	90.950	89.524	88.120
89.1	0.02749	329.904	98.430	96.884	95.363	93.865	92.392	90.941	89.513	88.107
89.3	0.02753	329.535	98.428	96.881	95.358	93.859	92.383	90.931	89.502	88.095
89.5	0.02756	329.166	98.426	96.877	95.353	93.852	92.375	90.921	89.491	88.082
89.7	0.02759	328.799	98.425	96.874	95.348	93.845	92.367	90.912	89.479	88.070
89.9	0.02762	328.433	98.423	96.870	95.343	93.839	92.359	90.902	89.468	88.057
90.1	0.02765	328.068	98.421	96.867	95.338	93.832	92.351	90.892	89.457	88.045
90.3	0.02768	327.705	98.419	96.864	95.332	93.826	92.342	90.883	89.446	88.032
90.5	0.02771	327.343	98.418	96.860	95.327	93.819	92.334	90.873	89.435	88.020
90.7	0.02774	326.981	98.416	96.857	95.322	93.812	92.326	90.864	89.424	88.008
90.9	0.02777	326.621	98.414	96.853	95.317	93.806	92.318	90.854	89.413	87.995
91.1	0.02780	326.263	98.412	96.850	95.312	93.799	92.310	90.844	89.402	87.983
91.3	0.02783	325.905	98.411	96.847	95.307	93.793	92.302	90.835	89.391	87.970
91.5	0.02786	325.549	98.409	96.843	95.302	93.786	92.294	90.825	89.380	87.958
91.7	0.02789	325.194	98.407	96.840	95.297	93.779	92.286	90.816	89.369	87.946
91.9	0.02792	324.840	98.405	96.836	95.292	93.773	92.278	90.806	89.358	87.933
92.1	0.02795	324.487	98.404	96.833	95.287	93.766	92.270	90.797	89.347	87.921
92.3	0.02798	324.135	98.402	96.830	95.282	93.760	92.261	90.787	89.336	87.909
92.5	0.02801	323.784	98.400	96.826	95.277	93.753	92.253	90.778	89.326	87.897
92.7	0.02804	323.435	98.399	96.823	95.272	93.747	92.245	90.768	89.315	87.884
92.9	0.02807	323.087	98.397	96.819	95.267	93.740	92.237	90.759	89.304	87.872
93.1	0.02810	322.739	98.395	96.816	95.262	93.734	92.229	90.749	89.293	87.860
93.3	0.02813	322.393	98.393	96.813	95.257	93.727	92.221	90.740	89.282	87.848
93.5	0.02817	322.048	98.392	96.809	95.252	93.721	92.213	90.730	89.271	87.835
93.7	0.02820	321.704	98.390	96.806	95.248	93.714	92.205	90.721	89.260	87.823
93.9	0.02823	321.362	98.388	96.803	95.243	93.708	92.197	90.711	89.250	87.811
94.1	0.02826	321.020	98.387	96.799	95.238	93.701	92.189	90.702	89.239	87.799
94.3	0.02829	320.679	98.385	96.796	95.233	93.695	92.181	90.693	89.228	87.787
94.5	0.02832	320.340	98.383	96.793	95.228	93.688	92.173	90.683	89.217	87.775
94.7	0.02835	320.001	98.382	96.789	95.223	93.682	92.166	90.674	89.206	87.763
94.9	0.02838	319.664	98.380	96.786	95.218	93.675	92.158	90.665	89.196	87.751
95.1	0.02840	319.328	98.378	96.783	95.213	93.669	92.150	90.655	89.185	87.738
95.3	0.02843	318.992	98.376	96.779	95.208	93.662	92.142	90.646	89.174	87.726
95.5	0.02846	318.658	98.375	96.776	95.203	93.656	92.134	90.636	89.163	87.714
95.7	0.02849	318.325	98.373	96.773	95.198	93.650	92.126	90.627	89.153	87.702
95.9	0.02852	317.993	98.371	96.769	95.193	93.643	92.118	90.618	89.142	87.690
96.1	0.02855	317.662	98.370	96.766	95.189	93.637	92.110	90.609	89.131	87.678
96.3	0.02858	317.332	98.368	96.763	95.184	93.630	92.102	90.599	89.121	87.666
96.5	0.02861	317.003	98.366	96.759	95.179	93.624	92.094	90.590	89.110	87.654
96.7	0.02864	316.675	98.365	96.756	95.174	93.618	92.087	90.581	89.099	87.642
96.9	0.02867	316.348	98.363	96.753	95.169	93.611	92.079	90.571	89.089	87.630
97.1	0.02870	316.022	98.361	96.750	95.164	93.605	92.071	90.562	89.078	87.618
97.3	0.02873	315.697	98.360	96.746	95.159	93.598	92.063	90.553	89.068	87.607
97.5	0.02876	315.373	98.358	96.743	95.154	93.592	92.055	90.544	89.057	87.595
97.7	0.02879	315.050	98.356	96.740	95.150	93.586	92.047	90.534	89.046	87.583
97.9	0.02882	314.728	98.355	96.736	95.145	93.579	92.040	90.525	89.036	87.571

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	0.02885	314.407	98.353	96.733	95.140	93.573	92.032	90.516	89.025	87.559
98.3	0.02888	314.087	98.351	96.730	95.135	93.567	92.024	90.507	89.015	87.547
98.5	0.02891	313.768	98.350	96.727	95.130	93.560	92.016	90.498	89.004	87.535
98.7	0.02894	313.450	98.348	96.723	95.125	93.554	92.009	90.489	88.994	87.524
98.9	0.02897	313.133	98.346	96.720	95.121	93.548	92.001	90.479	88.983	87.512
99.1	0.02900	312.817	98.345	96.717	95.116	93.541	91.993	90.470	88.973	87.500
99.3	0.02903	312.501	98.343	96.714	95.111	93.535	91.985	90.461	88.962	87.488
99.5	0.02905	312.187	98.341	96.710	95.106	93.529	91.978	90.452	88.952	87.476
99.7	0.02908	311.874	98.340	96.707	95.101	93.523	91.970	90.443	88.941	87.465
99.9	0.02911	311.562	98.338	96.704	95.097	93.516	91.962	90.434	88.931	87.453
100.1	0.02914	311.250	98.336	96.701	95.092	93.510	91.954	90.425	88.920	87.441
100.3	0.02917	310.940	98.335	96.697	95.087	93.504	91.947	90.416	88.910	87.429
100.5	0.02920	310.630	98.333	96.694	95.082	93.497	91.939	90.406	88.900	87.418
100.7	0.02923	310.322	98.332	96.691	95.078	93.491	91.931	90.397	88.889	87.406
100.9	0.02926	310.014	98.330	96.688	95.073	93.485	91.924	90.388	88.879	87.394
101.1	0.02929	309.707	98.328	96.684	95.068	93.479	91.916	90.379	88.868	87.383
101.3	0.02932	309.401	98.327	96.681	95.063	93.472	91.908	90.370	88.858	87.371
101.5	0.02935	309.096	98.325	96.678	95.059	93.466	91.901	90.361	88.848	87.359
101.7	0.02937	308.792	98.323	96.675	95.054	93.460	91.893	90.352	88.837	87.348
101.9	0.02940	308.489	98.322	96.672	95.049	93.454	91.885	90.343	88.827	87.336
102.1	0.02943	308.187	98.320	96.668	95.044	93.448	91.878	90.334	88.817	87.325
102.3	0.02946	307.885	98.318	96.665	95.040	93.441	91.870	90.325	88.806	87.313
102.5	0.02949	307.585	98.317	96.662	95.035	93.435	91.862	90.316	88.796	87.301
102.7	0.02952	307.285	98.315	96.659	95.030	93.429	91.855	90.307	88.786	87.290
102.9	0.02955	306.986	98.314	96.655	95.025	93.423	91.847	90.298	88.775	87.278
103.1	0.02958	306.688	98.312	96.652	95.021	93.417	91.840	90.289	88.765	87.267
103.3	0.02960	306.391	98.310	96.649	95.016	93.411	91.832	90.280	88.755	87.255
103.5	0.02963	306.095	98.309	96.646	95.011	93.404	91.825	90.271	88.745	87.244
103.7	0.02966	305.800	98.307	96.643	95.007	93.398	91.817	90.263	88.734	87.232
103.9	0.02969	305.505	98.305	96.640	95.002	93.392	91.809	90.254	88.724	87.221
104.1	0.02972	305.212	98.304	96.636	94.997	93.386	91.802	90.245	88.714	87.209
104.3	0.02975	304.919	98.302	96.633	94.993	93.380	91.794	90.236	88.704	87.198
104.5	0.02978	304.627	98.301	96.630	94.988	93.374	91.787	90.227	88.694	87.186
104.7	0.02980	304.336	98.299	96.627	94.983	93.368	91.779	90.218	88.683	87.175
104.9	0.02983	304.046	98.297	96.624	94.979	93.361	91.772	90.209	88.673	87.164
105.1	0.02986	303.756	98.296	96.621	94.974	93.355	91.764	90.200	88.663	87.152
105.3	0.02989	303.468	98.294	96.617	94.969	93.349	91.757	90.192	88.653	87.141
105.5	0.02992	303.180	98.293	96.614	94.965	93.343	91.749	90.183	88.643	87.129
105.7	0.02995	302.893	98.291	96.611	94.960	93.337	91.742	90.174	88.633	87.118
105.9	0.02997	302.607	98.289	96.608	94.955	93.331	91.734	90.165	88.623	87.107
106.1	0.03000	302.321	98.288	96.605	94.951	93.325	91.727	90.156	88.613	87.095
106.3	0.03003	302.037	98.286	96.602	94.946	93.319	91.719	90.147	88.602	87.084
106.5	0.03006	301.753	98.285	96.598	94.941	93.313	91.712	90.139	88.592	87.073
106.7	0.03009	301.470	98.283	96.595	94.937	93.307	91.704	90.130	88.582	87.061
106.9	0.03012	301.188	98.281	96.592	94.932	93.301	91.697	90.121	88.572	87.050
107.1	0.03014	300.907	98.280	96.589	94.928	93.295	91.690	90.112	88.562	87.039
107.3	0.03017	300.626	98.278	96.586	94.923	93.288	91.682	90.104	88.552	87.027
107.5	0.03020	300.346	98.277	96.583	94.918	93.282	91.675	90.095	88.542	87.016
107.7	0.03023	300.067	98.275	96.580	94.914	93.276	91.667	90.086	88.532	87.005
107.9	0.03026	299.789	98.273	96.577	94.909	93.270	91.660	90.077	88.522	86.994

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