

8 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	0.03082	283.472	98.24	96.51	94.82	93.15	91.51	89.90	88.32	86.77
88.3	0.03085	283.150	98.24	96.51	94.81	93.14	91.50	89.89	88.31	86.75
88.5	0.03089	282.830	98.24	96.51	94.81	93.13	91.49	89.88	88.30	86.74
88.7	0.03092	282.511	98.24	96.50	94.80	93.13	91.48	89.87	88.28	86.73
88.9	0.03096	282.193	98.23	96.50	94.79	93.12	91.47	89.86	88.27	86.71
89.1	0.03099	281.876	98.23	96.49	94.79	93.11	91.47	89.85	88.26	86.70
89.3	0.03103	281.561	98.23	96.49	94.78	93.10	91.46	89.84	88.25	86.69
89.5	0.03106	281.246	98.23	96.49	94.78	93.10	91.45	89.83	88.23	86.67
89.7	0.03110	280.932	98.23	96.48	94.77	93.09	91.44	89.82	88.22	86.66
89.9	0.03113	280.619	98.22	96.48	94.77	93.08	91.43	89.81	88.21	86.64
90.1	0.03117	280.308	98.22	96.48	94.76	93.08	91.42	89.79	88.20	86.63
90.3	0.03120	279.997	98.22	96.47	94.75	93.07	91.41	89.78	88.19	86.62
90.5	0.03124	279.688	98.22	96.47	94.75	93.06	91.40	89.77	88.17	86.60
90.7	0.03127	279.379	98.22	96.46	94.74	93.05	91.39	89.76	88.16	86.59
90.9	0.03130	279.072	98.21	96.46	94.74	93.05	91.38	89.75	88.15	86.57
91.1	0.03134	278.765	98.21	96.46	94.73	93.04	91.37	89.74	88.14	86.56
91.3	0.03137	278.460	98.21	96.45	94.73	93.03	91.37	89.73	88.12	86.55
91.5	0.03141	278.155	98.21	96.45	94.72	93.02	91.36	89.72	88.11	86.53
91.7	0.03144	277.852	98.21	96.44	94.71	93.02	91.35	89.71	88.10	86.52
91.9	0.03148	277.549	98.20	96.44	94.71	93.01	91.34	89.70	88.09	86.51
92.1	0.03151	277.248	98.20	96.44	94.70	93.00	91.33	89.69	88.08	86.49
92.3	0.03154	276.947	98.20	96.43	94.70	92.99	91.32	89.68	88.06	86.48
92.5	0.03158	276.647	98.20	96.43	94.69	92.99	91.31	89.67	88.05	86.47
92.7	0.03161	276.349	98.20	96.43	94.69	92.98	91.30	89.66	88.04	86.45
92.9	0.03165	276.051	98.19	96.42	94.68	92.97	91.29	89.65	88.03	86.44
93.1	0.03168	275.755	98.19	96.42	94.68	92.96	91.28	89.64	88.02	86.42
93.3	0.03172	275.459	98.19	96.41	94.67	92.96	91.28	89.62	88.00	86.41
93.5	0.03175	275.164	98.19	96.41	94.66	92.95	91.27	89.61	87.99	86.40
93.7	0.03178	274.870	98.19	96.41	94.66	92.94	91.26	89.60	87.98	86.38
93.9	0.03182	274.577	98.19	96.40	94.65	92.94	91.25	89.59	87.97	86.37
94.1	0.03185	274.285	98.18	96.40	94.65	92.93	91.24	89.58	87.96	86.36
94.3	0.03188	273.994	98.18	96.40	94.64	92.92	91.23	89.57	87.94	86.34
94.5	0.03192	273.704	98.18	96.39	94.64	92.91	91.22	89.56	87.93	86.33
94.7	0.03195	273.415	98.18	96.39	94.63	92.91	91.21	89.55	87.92	86.32
94.9	0.03199	273.127	98.18	96.38	94.63	92.90	91.20	89.54	87.91	86.30
95.1	0.03202	272.840	98.17	96.38	94.62	92.89	91.20	89.53	87.90	86.29
95.3	0.03205	272.553	98.17	96.38	94.61	92.89	91.19	89.52	87.88	86.28
95.5	0.03209	272.268	98.17	96.37	94.61	92.88	91.18	89.51	87.87	86.26
95.7	0.03212	271.983	98.17	96.37	94.60	92.87	91.17	89.50	87.86	86.25
95.9	0.03215	271.699	98.17	96.37	94.60	92.86	91.16	89.49	87.85	86.24
96.1	0.03219	271.416	98.16	96.36	94.59	92.86	91.15	89.48	87.84	86.22
96.3	0.03222	271.134	98.16	96.36	94.59	92.85	91.14	89.47	87.82	86.21
96.5	0.03225	270.853	98.16	96.35	94.58	92.84	91.13	89.46	87.81	86.20
96.7	0.03229	270.573	98.16	96.35	94.58	92.84	91.13	89.45	87.80	86.18
96.9	0.03232	270.294	98.16	96.35	94.57	92.83	91.12	89.44	87.79	86.17
97.1	0.03235	270.015	98.15	96.34	94.57	92.82	91.11	89.43	87.78	86.16
97.3	0.03239	269.737	98.15	96.34	94.56	92.81	91.10	89.42	87.76	86.14
97.5	0.03242	269.461	98.15	96.34	94.55	92.81	91.09	89.41	87.75	86.13
97.7	0.03245	269.185	98.15	96.33	94.55	92.80	91.08	89.40	87.74	86.12
97.9	0.03249	268.910	98.15	96.33	94.54	92.79	91.07	89.39	87.73	86.10

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98.1	0.03252	268.635	98.15	96.33	94.54	92.79	91.06	89.38	87.72	86.09
98.3	0.03255	268.362	98.14	96.32	94.53	92.78	91.06	89.37	87.71	86.08
98.5	0.03259	268.089	98.14	96.32	94.53	92.77	91.05	89.36	87.69	86.06
98.7	0.03262	267.817	98.14	96.31	94.52	92.76	91.04	89.34	87.68	86.05
98.9	0.03265	267.547	98.14	96.31	94.52	92.76	91.03	89.33	87.67	86.04
99.1	0.03269	267.276	98.14	96.31	94.51	92.75	91.02	89.32	87.66	86.03
99.3	0.03272	267.007	98.13	96.30	94.51	92.74	91.01	89.31	87.65	86.01
99.5	0.03275	266.739	98.13	96.30	94.50	92.74	91.00	89.30	87.64	86.00
99.7	0.03279	266.471	98.13	96.30	94.50	92.73	91.00	89.29	87.62	85.99
99.9	0.03282	266.204	98.13	96.29	94.49	92.72	90.99	89.28	87.61	85.97
100.1	0.03285	265.938	98.13	96.29	94.48	92.71	90.98	89.27	87.60	85.96
100.3	0.03288	265.673	98.12	96.28	94.48	92.71	90.97	89.26	87.59	85.95
100.5	0.03292	265.408	98.12	96.28	94.47	92.70	90.96	89.25	87.58	85.93
100.7	0.03295	265.145	98.12	96.28	94.47	92.69	90.95	89.24	87.57	85.92
100.9	0.03298	264.882	98.12	96.27	94.46	92.69	90.94	89.23	87.56	85.91
101.1	0.03301	264.620	98.12	96.27	94.46	92.68	90.94	89.22	87.54	85.90
101.3	0.03305	264.358	98.12	96.27	94.45	92.67	90.93	89.21	87.53	85.88
101.5	0.03308	264.098	98.11	96.26	94.45	92.67	90.92	89.20	87.52	85.87
101.7	0.03311	263.838	98.11	96.26	94.44	92.66	90.91	89.19	87.51	85.86
101.9	0.03314	263.579	98.11	96.26	94.44	92.65	90.90	89.18	87.50	85.84
102.1	0.03318	263.320	98.11	96.25	94.43	92.65	90.89	89.17	87.49	85.83
102.3	0.03321	263.063	98.11	96.25	94.43	92.64	90.88	89.16	87.47	85.82
102.5	0.03324	262.806	98.10	96.25	94.42	92.63	90.88	89.15	87.46	85.81
102.7	0.03327	262.550	98.10	96.24	94.42	92.62	90.87	89.14	87.45	85.79
102.9	0.03331	262.295	98.10	96.24	94.41	92.62	90.86	89.13	87.44	85.78
103.1	0.03334	262.040	98.10	96.23	94.41	92.61	90.85	89.12	87.43	85.77
103.3	0.03337	261.787	98.10	96.23	94.40	92.60	90.84	89.11	87.42	85.75
103.5	0.03340	261.534	98.10	96.23	94.39	92.60	90.83	89.10	87.41	85.74
103.7	0.03344	261.281	98.09	96.22	94.39	92.59	90.82	89.09	87.40	85.73
103.9	0.03347	261.030	98.09	96.22	94.38	92.58	90.82	89.08	87.38	85.72
104.1	0.03350	260.779	98.09	96.22	94.38	92.58	90.81	89.07	87.37	85.70
104.3	0.03353	260.529	98.09	96.21	94.37	92.57	90.80	89.06	87.36	85.69
104.5	0.03356	260.279	98.09	96.21	94.37	92.56	90.79	89.05	87.35	85.68
104.7	0.03360	260.030	98.08	96.21	94.36	92.56	90.78	89.04	87.34	85.67
104.9	0.03363	259.782	98.08	96.20	94.36	92.55	90.77	89.03	87.33	85.65
105.1	0.03366	259.535	98.08	96.20	94.35	92.54	90.77	89.02	87.32	85.64
105.3	0.03369	259.289	98.08	96.20	94.35	92.54	90.76	89.01	87.30	85.63
105.5	0.03373	259.043	98.08	96.19	94.34	92.53	90.75	89.00	87.29	85.61
105.7	0.03376	258.797	98.08	96.19	94.34	92.52	90.74	88.99	87.28	85.60
105.9	0.03379	258.553	98.07	96.18	94.33	92.51	90.73	88.98	87.27	85.59
106.1	0.03382	258.309	98.07	96.18	94.33	92.51	90.72	88.98	87.26	85.58
106.3	0.03385	258.066	98.07	96.18	94.32	92.50	90.72	88.97	87.25	85.56
106.5	0.03388	257.824	98.07	96.17	94.32	92.49	90.71	88.96	87.24	85.55
106.7	0.03392	257.582	98.07	96.17	94.31	92.49	90.70	88.95	87.23	85.54
106.9	0.03395	257.341	98.06	96.17	94.31	92.48	90.69	88.94	87.21	85.53
107.1	0.03398	257.100	98.06	96.16	94.30	92.47	90.68	88.93	87.20	85.51
107.3	0.03401	256.861	98.06	96.16	94.30	92.47	90.67	88.92	87.19	85.50
107.5	0.03404	256.622	98.06	96.16	94.29	92.46	90.67	88.91	87.18	85.49
107.7	0.03407	256.383	98.06	96.15	94.29	92.45	90.66	88.90	87.17	85.48
107.9	0.03411	256.146	98.06	96.15	94.28	92.45	90.65	88.89	87.16	85.46

Standard Conditions:

Attenuation: Ambient Temperature 20°C (68°F), Dry Air, Sea Level Atmospheric Pressure, VSWR 1.0, 0