

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	0.02740	335.391	98.44	96.90	95.38	93.89	92.42	90.97	89.55	88.15
88.3	0.02743	335.011	98.43	96.89	95.37	93.88	92.41	90.96	89.54	88.13
88.5	0.02746	334.632	98.43	96.89	95.37	93.87	92.40	90.95	89.53	88.12
88.7	0.02749	334.255	98.43	96.88	95.36	93.87	92.39	90.94	89.51	88.11
88.9	0.02752	333.879	98.43	96.88	95.36	93.86	92.38	90.93	89.50	88.10
89.1	0.02755	333.504	98.43	96.88	95.35	93.85	92.38	90.92	89.49	88.08
89.3	0.02758	333.130	98.42	96.87	95.35	93.85	92.37	90.91	89.48	88.07
89.5	0.02761	332.758	98.42	96.87	95.34	93.84	92.36	90.90	89.47	88.06
89.7	0.02764	332.387	98.42	96.87	95.34	93.83	92.35	90.89	89.46	88.05
89.9	0.02767	332.017	98.42	96.86	95.33	93.83	92.34	90.88	89.45	88.03
90.1	0.02770	331.648	98.42	96.86	95.33	93.82	92.34	90.87	89.44	88.02
90.3	0.02774	331.280	98.42	96.86	95.32	93.81	92.33	90.87	89.43	88.01
90.5	0.02777	330.914	98.41	96.85	95.32	93.81	92.32	90.86	89.41	88.00
90.7	0.02780	330.549	98.41	96.85	95.31	93.80	92.31	90.85	89.40	87.98
90.9	0.02783	330.185	98.41	96.85	95.31	93.79	92.30	90.84	89.39	87.97
91.1	0.02786	329.823	98.41	96.84	95.30	93.79	92.29	90.83	89.38	87.96
91.3	0.02789	329.461	98.41	96.84	95.30	93.78	92.29	90.82	89.37	87.95
91.5	0.02792	329.101	98.41	96.84	95.29	93.77	92.28	90.81	89.36	87.94
91.7	0.02795	328.742	98.40	96.83	95.29	93.77	92.27	90.80	89.35	87.92
91.9	0.02798	328.384	98.40	96.83	95.28	93.76	92.26	90.79	89.34	87.91
92.1	0.02801	328.027	98.40	96.83	95.28	93.75	92.25	90.78	89.33	87.90
92.3	0.02804	327.672	98.40	96.82	95.27	93.75	92.25	90.77	89.32	87.89
92.5	0.02807	327.317	98.40	96.82	95.27	93.74	92.24	90.76	89.30	87.87
92.7	0.02810	326.964	98.40	96.82	95.26	93.73	92.23	90.75	89.29	87.86
92.9	0.02813	326.612	98.39	96.81	95.26	93.73	92.22	90.74	89.28	87.85
93.1	0.02816	326.261	98.39	96.81	95.25	93.72	92.21	90.73	89.27	87.84
93.3	0.02819	325.911	98.39	96.81	95.25	93.71	92.21	90.72	89.26	87.82
93.5	0.02822	325.562	98.39	96.80	95.24	93.71	92.20	90.71	89.25	87.81
93.7	0.02825	325.214	98.39	96.80	95.24	93.70	92.19	90.70	89.24	87.80
93.9	0.02828	324.868	98.39	96.80	95.23	93.70	92.18	90.69	89.23	87.79
94.1	0.02831	324.523	98.38	96.79	95.23	93.69	92.17	90.68	89.22	87.78
94.3	0.02834	324.178	98.38	96.79	95.22	93.68	92.17	90.67	89.21	87.76
94.5	0.02837	323.835	98.38	96.79	95.22	93.68	92.16	90.67	89.20	87.75
94.7	0.02840	323.493	98.38	96.78	95.21	93.67	92.15	90.66	89.19	87.74
94.9	0.02843	323.152	98.38	96.78	95.21	93.66	92.14	90.65	89.17	87.73
95.1	0.02846	322.812	98.37	96.78	95.20	93.66	92.13	90.64	89.16	87.72
95.3	0.02849	322.473	98.37	96.77	95.20	93.65	92.13	90.63	89.15	87.70
95.5	0.02852	322.135	98.37	96.77	95.19	93.64	92.12	90.62	89.14	87.69
95.7	0.02855	321.798	98.37	96.77	95.19	93.64	92.11	90.61	89.13	87.68
95.9	0.02858	321.463	98.37	96.76	95.18	93.63	92.10	90.60	89.12	87.67
96.1	0.02861	321.128	98.37	96.76	95.18	93.62	92.09	90.59	89.11	87.65
96.3	0.02864	320.794	98.36	96.76	95.17	93.62	92.09	90.58	89.10	87.64
96.5	0.02867	320.462	98.36	96.75	95.17	93.61	92.08	90.57	89.09	87.63
96.7	0.02870	320.130	98.36	96.75	95.16	93.60	92.07	90.56	89.08	87.62
96.9	0.02873	319.800	98.36	96.75	95.16	93.60	92.06	90.55	89.07	87.61
97.1	0.02876	319.470	98.36	96.74	95.15	93.59	92.06	90.54	89.06	87.59
97.3	0.02879	319.141	98.36	96.74	95.15	93.59	92.05	90.53	89.05	87.58
97.5	0.02882	318.814	98.35	96.74	95.14	93.58	92.04	90.53	89.04	87.57
97.7	0.02885	318.488	98.35	96.73	95.14	93.57	92.03	90.52	89.03	87.56
97.9	0.02888	318.162	98.35	96.73	95.14	93.57	92.02	90.51	89.01	87.55

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	0.02891	317.838	98.35	96.73	95.13	93.56	92.02	90.50	89.00	87.54
98.3	0.02894	317.514	98.35	96.72	95.13	93.55	92.01	90.49	88.99	87.52
98.5	0.02897	317.192	98.35	96.72	95.12	93.55	92.00	90.48	88.98	87.51
98.7	0.02900	316.870	98.34	96.72	95.12	93.54	91.99	90.47	88.97	87.50
98.9	0.02903	316.549	98.34	96.71	95.11	93.53	91.99	90.46	88.96	87.49
99.1	0.02906	316.230	98.34	96.71	95.11	93.53	91.98	90.45	88.95	87.48
99.3	0.02908	315.911	98.34	96.71	95.10	93.52	91.97	90.44	88.94	87.46
99.5	0.02911	315.594	98.34	96.70	95.10	93.52	91.96	90.43	88.93	87.45
99.7	0.02914	315.277	98.34	96.70	95.09	93.51	91.95	90.42	88.92	87.44
99.9	0.02917	314.961	98.33	96.70	95.09	93.50	91.95	90.42	88.91	87.43
100.1	0.02920	314.646	98.33	96.69	95.08	93.50	91.94	90.41	88.90	87.42
100.3	0.02923	314.332	98.33	96.69	95.08	93.49	91.93	90.40	88.89	87.41
100.5	0.02926	314.020	98.33	96.69	95.07	93.48	91.92	90.39	88.88	87.39
100.7	0.02929	313.708	98.33	96.68	95.07	93.48	91.92	90.38	88.87	87.38
100.9	0.02932	313.396	98.33	96.68	95.06	93.47	91.91	90.37	88.86	87.37
101.1	0.02935	313.086	98.32	96.68	95.06	93.47	91.90	90.36	88.85	87.36
101.3	0.02938	312.777	98.32	96.67	95.05	93.46	91.89	90.35	88.84	87.35
101.5	0.02941	312.469	98.32	96.67	95.05	93.45	91.88	90.34	88.83	87.34
101.7	0.02943	312.161	98.32	96.67	95.04	93.45	91.88	90.33	88.82	87.32
101.9	0.02946	311.855	98.32	96.66	95.04	93.44	91.87	90.32	88.81	87.31
102.1	0.02949	311.549	98.32	96.66	95.03	93.43	91.86	90.32	88.80	87.30
102.3	0.02952	311.245	98.32	96.66	95.03	93.43	91.85	90.31	88.78	87.29
102.5	0.02955	310.941	98.31	96.66	95.02	93.42	91.85	90.30	88.77	87.28
102.7	0.02958	310.638	98.31	96.65	95.02	93.42	91.84	90.29	88.76	87.27
102.9	0.02961	310.336	98.31	96.65	95.02	93.41	91.83	90.28	88.75	87.25
103.1	0.02964	310.035	98.31	96.65	95.01	93.40	91.82	90.27	88.74	87.24
103.3	0.02966	309.734	98.31	96.64	95.01	93.40	91.82	90.26	88.73	87.23
103.5	0.02969	309.435	98.31	96.64	95.00	93.39	91.81	90.25	88.72	87.22
103.7	0.02972	309.137	98.30	96.64	95.00	93.39	91.80	90.24	88.71	87.21
103.9	0.02975	308.839	98.30	96.63	94.99	93.38	91.79	90.23	88.70	87.20
104.1	0.02978	308.542	98.30	96.63	94.99	93.37	91.79	90.23	88.69	87.18
104.3	0.02981	308.246	98.30	96.63	94.98	93.37	91.78	90.22	88.68	87.17
104.5	0.02984	307.951	98.30	96.62	94.98	93.36	91.77	90.21	88.67	87.16
104.7	0.02986	307.657	98.30	96.62	94.97	93.35	91.76	90.20	88.66	87.15
104.9	0.02989	307.363	98.29	96.62	94.97	93.35	91.76	90.19	88.65	87.14
105.1	0.02992	307.071	98.29	96.61	94.96	93.34	91.75	90.18	88.64	87.13
105.3	0.02995	306.779	98.29	96.61	94.96	93.34	91.74	90.17	88.63	87.12
105.5	0.02998	306.488	98.29	96.61	94.95	93.33	91.73	90.16	88.62	87.10
105.7	0.03001	306.198	98.29	96.60	94.95	93.32	91.73	90.15	88.61	87.09
105.9	0.03004	305.909	98.29	96.60	94.95	93.32	91.72	90.15	88.60	87.08
106.1	0.03006	305.620	98.28	96.60	94.94	93.31	91.71	90.14	88.59	87.07
106.3	0.03009	305.333	98.28	96.59	94.94	93.31	91.70	90.13	88.58	87.06
106.5	0.03012	305.046	98.28	96.59	94.93	93.30	91.70	90.12	88.57	87.05
106.7	0.03015	304.760	98.28	96.59	94.93	93.29	91.69	90.11	88.56	87.04
106.9	0.03018	304.474	98.28	96.59	94.92	93.29	91.68	90.10	88.55	87.03
107.1	0.03021	304.190	98.28	96.58	94.92	93.28	91.67	90.09	88.54	87.01
107.3	0.03023	303.906	98.27	96.58	94.91	93.28	91.67	90.08	88.53	87.00
107.5	0.03026	303.624	98.27	96.58	94.91	93.27	91.66	90.08	88.52	86.99
107.7	0.03029	303.341	98.27	96.57	94.90	93.26	91.65	90.07	88.51	86.98
107.9	0.03032	303.060	98.27	96.57	94.90	93.26	91.64	90.06	88.50	86.97

Standard Conditions:

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