



**MMA INC.** Broadcast Transmission Line Systems, Filters & Combiners  
 360 Franklin Turnpike, Mahwah, NJ 07430

Phone (201) 684-0100  
 Fax (201) 684-0104

**1 5/8" 50 Ohm Rigid Coaxial Transmission Line, AM Ratings and Efficiency in Percent**

Freq. kHz	ATTEN. in dB/100 ft	500 ft	1000 ft	1500 ft	2000 ft	2500 ft
535	0.01389	98.413	96.852	95.316	93.803	92.315
540	0.01396	98.406	96.838	95.294	93.775	92.281
545	0.01402	98.399	96.823	95.273	93.748	92.246
550	0.01408	98.392	96.809	95.252	93.720	92.212
555	0.01415	98.384	96.795	95.231	93.692	92.178
560	0.01421	98.377	96.781	95.210	93.665	92.145
565	0.01428	98.370	96.766	95.189	93.638	92.111
570	0.01434	98.363	96.752	95.168	93.610	92.078
575	0.01440	98.356	96.738	95.148	93.583	92.045
580	0.01446	98.349	96.725	95.127	93.556	92.011
585	0.01453	98.342	96.711	95.107	93.530	91.978
590	0.01459	98.335	96.697	95.086	93.503	91.946
595	0.01465	98.328	96.683	95.066	93.476	91.913
600	0.01471	98.321	96.669	95.046	93.450	91.881
605	0.01477	98.314	96.656	95.026	93.424	91.848
610	0.01483	98.307	96.642	95.006	93.397	91.816
615	0.01489	98.300	96.629	94.986	93.371	91.784
620	0.01495	98.293	96.615	94.966	93.345	91.752
625	0.01501	98.286	96.602	94.947	93.319	91.720
630	0.01507	98.280	96.589	94.927	93.294	91.689
635	0.01513	98.273	96.575	94.907	93.268	91.657
640	0.01519	98.266	96.562	94.888	93.243	91.626
645	0.01525	98.259	96.549	94.868	93.217	91.595
650	0.01531	98.253	96.536	94.849	93.192	91.563
655	0.01537	98.246	96.523	94.830	93.167	91.532
660	0.01543	98.239	96.510	94.811	93.141	91.502
665	0.01549	98.233	96.497	94.792	93.116	91.471
670	0.01555	98.226	96.484	94.773	93.091	91.440
675	0.01560	98.220	96.471	94.754	93.067	91.410
680	0.01566	98.213	96.458	94.735	93.042	91.379
685	0.01572	98.207	96.445	94.716	93.017	91.349
690	0.01578	98.200	96.433	94.697	92.993	91.319
695	0.01583	98.194	96.420	94.679	92.968	91.289
700	0.01589	98.187	96.407	94.660	92.944	91.259
705	0.01595	98.181	96.395	94.641	92.920	91.230
710	0.01600	98.175	96.382	94.623	92.896	91.200
715	0.01606	98.168	96.370	94.605	92.872	91.170
720	0.01611	98.162	96.357	94.586	92.848	91.141
725	0.01617	98.156	96.345	94.568	92.824	91.112
730	0.01623	98.149	96.333	94.550	92.800	91.082
735	0.01628	98.143	96.320	94.532	92.776	91.053
740	0.01634	98.137	96.308	94.514	92.753	91.024
745	0.01639	98.130	96.296	94.496	92.729	90.996
750	0.01645	98.124	96.284	94.478	92.706	90.967
755	0.01650	98.118	96.272	94.460	92.682	90.938
760	0.01656	98.112	96.260	94.442	92.659	90.910
765	0.01661	98.106	96.247	94.424	92.636	90.881
770	0.01666	98.100	96.235	94.407	92.613	90.853
775	0.01672	98.094	96.224	94.389	92.590	90.825
780	0.01677	98.088	96.212	94.372	92.567	90.796

**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. kHz	ATTEN. in dB/100 ft	500 ft	1000 ft	1500 ft	2000 ft	2500 ft
785	0.01683	98.081	96.200	94.354	92.544	90.768
790	0.01688	98.075	96.188	94.337	92.521	90.740
795	0.01693	98.069	96.176	94.319	92.498	90.713
800	0.01699	98.063	96.164	94.302	92.476	90.685
805	0.01704	98.057	96.153	94.285	92.453	90.657
810	0.01709	98.051	96.141	94.267	92.431	90.630
815	0.01714	98.045	96.129	94.250	92.408	90.602
820	0.01720	98.040	96.118	94.233	92.386	90.575
825	0.01725	98.034	96.106	94.216	92.364	90.547
830	0.01730	98.028	96.094	94.199	92.341	90.520
835	0.01735	98.022	96.083	94.182	92.319	90.493
840	0.01741	98.016	96.071	94.165	92.297	90.466
845	0.01746	98.010	96.060	94.149	92.275	90.439
850	0.01751	98.004	96.049	94.132	92.253	90.412
855	0.01756	97.999	96.037	94.115	92.231	90.385
860	0.01761	97.993	96.026	94.098	92.210	90.359
865	0.01766	97.987	96.015	94.082	92.188	90.332
870	0.01771	97.981	96.003	94.065	92.166	90.306
875	0.01776	97.976	95.992	94.049	92.145	90.279
880	0.01782	97.970	95.981	94.032	92.123	90.253
885	0.01787	97.964	95.970	94.016	92.102	90.227
890	0.01792	97.958	95.959	93.999	92.080	90.201
895	0.01797	97.953	95.947	93.983	92.059	90.174
900	0.01802	97.947	95.936	93.967	92.038	90.148
905	0.01807	97.941	95.925	93.951	92.017	90.123
910	0.01812	97.936	95.914	93.935	91.996	90.097
915	0.01817	97.930	95.903	93.918	91.975	90.071
920	0.01822	97.925	95.892	93.902	91.954	90.045
925	0.01827	97.919	95.881	93.886	91.933	90.020
930	0.01831	97.914	95.871	93.870	91.912	89.994
935	0.01836	97.908	95.860	93.854	91.891	89.969
940	0.01841	97.902	95.849	93.838	91.870	89.943
945	0.01846	97.897	95.838	93.823	91.849	89.918
950	0.01851	97.891	95.827	93.807	91.829	89.893
955	0.01856	97.886	95.817	93.791	91.808	89.867
960	0.01861	97.881	95.806	93.775	91.788	89.842
965	0.01866	97.875	95.795	93.760	91.767	89.817
970	0.01870	97.870	95.785	93.744	91.747	89.792
975	0.01875	97.864	95.774	93.728	91.727	89.767
980	0.01880	97.859	95.763	93.713	91.706	89.743
985	0.01885	97.853	95.753	93.697	91.686	89.718
990	0.01890	97.848	95.742	93.682	91.666	89.693
995	0.01894	97.843	95.732	93.667	91.646	89.669
1000	0.01899	97.837	95.721	93.651	91.626	89.644
1100	0.01992	97.733	95.517	93.352	91.235	89.167
1200	0.02080	97.633	95.323	93.067	90.864	88.714
1300	0.02165	97.538	95.136	92.794	90.509	88.281
1400	0.02247	97.446	94.957	92.532	90.169	87.866
1500	0.02326	97.358	94.785	92.281	89.842	87.468
1600	0.02402	97.272	94.619	92.038	89.527	87.085
1700	0.02476	97.189	94.458	91.803	89.223	86.715

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