VNA Shunt Capacitance ESR Table

|S21| (dB)	ESR (Ohms)	|S21| (dB)	ESR (Ohms)	|S21| (dB)	ESR (Ohms)	|S21| (dB)	ESR (Ohms)	|S21| (dB)	ESR (Ohms)	|S21| (dB)	ESR (Ohms)
-10.0	11.6	-20.0	2.78	-30.0	0.816	-40.0	0.253	-50.0	0.0793	-60.0	0.0250
-10.1	11.4	-20.1	2.74	-30.1	0.807	-40.1	0.250	-50.1	0.0784	-60.1	0.0247
-10.2	11.2	-20.2	2.71	-30.2	0.797	-40.2	0.247	-50.2	0.0775	-60.2	0.0245
-10.3	11.0	-20.3	2.67	-30.3	0.788	-40.3	0.244	-50.3	0.0766	-60.3	0.0242
-10.4	10.8	-20.4	2.64	-30.4	0.778	-40.4	0.241	-50.4	0.0757	-60.4	0.0239
-10.5	10.6	-20.5	2.61	-30.5	0.769	-40.5	0.238	-50.5	0.0749	-60.5	0.0236
-10.6	10.5	-20.6	2.57	-30.6	0.760	-40.6	0.236	-50.6	0.0740	-60.6	0.0234
-10.7	10.3	-20.7	2.54	-30.7	0.751	-40.7	0.233	-50.7	0.0731	-60.7	0.0231
-10.8	10.1	-20.8	2.51	-30.8	0.742	-40.8	0.230	-50.8	0.0723	-60.8	0.0228
-10.9	9.97	-20.9	2.48	-30.9	0.734	-40.9	0.227	-50.9	0.0715	-60.9	0.0226
-11.0	9.81	-21.0	2.45	-31.0	0.725	-41.0	0.225	-51.0	0.0707	-61.0	0.0223
-11.1	9.66	-21.1	2.42	-31.1	0.716	-41.1	0.222	-51.1	0.0698	-61.1	0.0220
-11.2	9.50	-21.2	2.39	-31.2	0.708	-41.2	0.220	-51.2	0.0690	-61.2	0.0218
-11.3	9.35	-21.3	2.36	-31.3	0.700	-41.3	0.217	-51.3	0.0683	-61.3	0.0215
-11.4	9.21	-21.4	2.33	-31.4	0.691	-41.4	0.215	-51.4	0.0675	-61.4	0.0213
-11.5	9.06	-21.5	2.30	-31.5	0.683	-41.5	0.212	-51.5	0.0667	-61.5	0.0211
-11.6	8.92	-21.6	2.27	-31.6	0.675	-41.6	0.210	-51.6	0.0659	-61.6	0.0208
-11.7	8.78	-21.7	2.24	-31.7	0.667	-41.7	0.207	-51.7	0.0652	-61.7	0.0206
-11.8	8.65	-21.8	2.21	-31.8	0.660	-41.8	0.205	-51.8	0.0644	-61.8	0.0203
-11.9	8.52	-21.9	2.18	-31.9	0.652	-41.9	0.203	-51.9	0.0637	-61.9	0.0201
-12.0	8.39	-22.0	2.16	-32.0	0.644	-42.0	0.200	-52.0	0.0630	-62.0	0.0199
-12.1	8.26	-22.1	2.13	-32.1	0.637	-42.1	0.198	-52.1	0.0622	-62.1	0.0196
-12.2	8.13	-22.2	2.10	-32.2	0.629	-42.2	0.196	-52.2	0.0615	-62.2	0.0194
-12.3	8.01	-22.3	2.08	-32.3	0.622	-42.3	0.193	-52.3	0.0608	-62.3	0.0192
-12.4	7.89	-22.4	2.05	-32.4	0.614	-42.4	0.191	-52.4	0.0601	-62.4	0.0190
-12.5	7.77	-22.5	2.03	-32.5	0.607	-42.5	0.189	-52.5	0.0594	-62.5	0.0188
-12.6	7.66	-22.6	2.00	-32.6	0.600	-42.6	0.187	-52.6	0.0587	-62.6	0.0185
-12.7	7.54	-22.7	1.98	-32.7	0.593	-42.7	0.185	-52.7	0.0581	-62.7	0.0183
-12.8	7.43	-22.8	1.95	-32.8	0.586	-42.8	0.182	-52.8	0.0574	-62.8	0.0181
-12.9	7.32	-22.9	1.93	-32.9	0.579	-42.9	0.180	-52.9	0.0567	-62.9	0.0179
-13.0	7.21	-23.0	1.90	-33.0	0.572	-43.0	0.178	-53.0	0.0561	-63.0	0.0177
-13.1	7.11	-23.1	1.88	-33.1	0.566	-43.1	0.176	-53.1	0.0555	-63.1	0.0175
-13.2	7.00	-23.2	1.86	-33.2	0.559	-43.2	0.174	-53.2	0.0548	-63.2	0.0173
-13.3	6.90	-23.3	1.84	-33.3	0.553	-43.3	0.172	-53.3	0.0542	-63.3	0.0171
-13.4	6.80	-23.4	1.81	-33.4	0.546	-43.4	0.170	-53.4	0.0536	-63.4	0.0169
-13.5	6.70	-23.5	1.79	-33.5	0.540	-43.5	0.168	-53.5	0.0529	-63.5	0.0167
-13.6	6.60	-23.6	1.77	-33.6	0.533	-43.6	0.166	-53.6	0.0523	-63.6	0.0165
-13.7	6.51	-23.7	1.75	-33.7	0.527	-43.7	0.164	-53.7	0.0517	-63.7	0.0163
-13.8	6.41	-23.8	1.73	-33.8	0.521	-43.8	0.162	-53.8	0.0511	-63.8	0.0162
-13.9	6.32	-23.9	1.70	-33.9	0.515	-43.9	0.161	-53.9	0.0506	-63.9	0.0160
-14.0	6.23	-24.0	1.68	-34.0	0.509	-44.0	0.159	-54.0	0.0500	-64.0	0.0158
-14.1	6.14	-24.1	1.66	-34.1	0.503	-44.1	0.157	-54.1	0.0494	-64.1	0.0156
-14.2	6.06	-24.2	1.64	-34.2	0.497	-44.2	0.155	-54.2	0.0488	-64.2	0.0154
-14.3	5.97	-24.3	1.62	-34.3	0.491	-44.3	0.153	-54.3	0.0483	-64.3	0.0152
-14.4	5.89	-24.4	1.60	-34.4	0.486	-44.4	0.152	-54.4	0.0477	-64.4	0.0151
-14.5	5.80	-24.5	1.58	-34.5	0.480	-44.5	0.150	-54.5	0.0472	-64.5	0.0149
-14.6	5.72	-24.6	1.56	-34.6	0.474	-44.6	0.148	-54.6	0.0466	-64.6	0.0147
-14.7	5.64	-24.7	1.55	-34.7	0.469	-44.7	0.146	-54.7	0.0461	-64.7	0.0146
-14.8	5.56	-24.8	1.53	-34.8	0.463	-44.8	0.145	-54.8	0.0456	-64.8	0.0144
-14.9	5.48	-24.9	1.51	-34.9	0.458	-44.9	0.143	-54.9	0.0451	-64.9	0.0142
-15.0	5.41	-25.0	1.49	-35.0	0.453	-45.0	0.141	-55.0	0.0445	-65.0	0.0141
-15.1	5.33	-25.1	1.47	-35.1	0.447	-45.1	0.140	-55.1	0.0440	-65.1	0.0139
-15.2	5.26	-25.2	1.45	-35.2	0.442	-45.2	0.138	-55.2	0.0435	-65.2	0.0137
-15.3	5.19	-25.3	1.44	-35.3	0.437	-45.3	0.137	-55.3	0.0430	-65.3	0.0136
-15.4	5.11	-25.4	1.42	-35.4	0.432	-45.4	0.135	-55.4	0.0425	-65.4	0.0134
-15.5	5.04	-25.5	1.40	-35.5	0.427	-45.5	0.133	-55.5	0.0420	-65.5	0.0133
-15.6	4.97	-25.6	1.38	-35.6	0.422	-45.6	0.132	-55.6	0.0416	-65.6	0.0131
-15.7	4.91	-25.7	1.37	-35.7	0.417	-45.7	0.130	-55.7	0.0411	-65.7	0.0130
-15.8	4.84	-25.8	1.35	-35.8	0.412	-45.8	0.129	-55.8	0.0406	-65.8	0.0128
-15.9	4.77	-25.9	1.34	-35.9	0.407	-45.9	0.127	-55.9	0.0401	-65.9	0.0127
-16.0	4.71	-26.0	1.32	-36.0	0.403	-46.0	0.126	-56.0	0.0397	-66.0	0.0125
-16.1	4.64	-26.1	1.30	-36.1	0.398	-46.1	0.124	-56.1	0.0392	-66.1	0.0124
-16.2	4.58	-26.2	1.29	-36.2	0.393	-46.2	0.123	-56.2	0.0388	-66.2	0.0123
-16.3	4.52	-26.3	1.27	-36.3	0.389	-46.3	0.122	-56.3	0.0383	-66.3	0.0121
-16.4	4.46	-26.4	1.26	-36.4	0.384	-46.4	0.120	-56.4	0.0379	-66.4	0.0120
-16.5	4.40	-26.5	1.24	-36.5	0.380	-46.5	0.119	-56.5	0.0375	-66.5	0.0118
-16.6	4.34	-26.6	1.23	-36.6	0.375	-46.6	0.117	-56.6	0.0370	-66.6	0.0117
-16.7	4.28	-26.7	1.21	-36.7	0.371	-46.7	0.116	-56.7	0.0366	-66.7	0.0116
-16.8	4.22	-26.8	1.20	-36.8	0.367	-46.8	0.115	-56.8	0.0362	-66.8	0.0114
-16.9	4.17	-26.9	1.18	-36.9	0.362	-46.9	0.113	-56.9	0.0358	-66.9	0.0113
-17.0	4.11	-27.0	1.17	-37.0	0.358	-47.0	0.112	-57.0	0.0354	-67.0	0.0112
-17.1	4.06	-27.1	1.15	-37.1	0.354	-47.1	0.111	-57.1	0.0350	-67.1	0.0110
-17.2	4.00	-27.2	1.14	-37.2	0.350	-47.2	0.110	-57.2	0.0346	-67.2	0.0109
-17.3	3.95	-27.3	1.13	-37.3	0.346	-47.3	0.108	-57.3	0.0342	-67.3	0.0108
-17.4	3.90	-27.4	1.11	-37.4	0.342	-47.4	0.107	-57.4	0.0338	-67.4	0.0107
-17.5	3.85	-27.5	1.10	-37.5	0.338	-47.5	0.106	-57.5	0.0334	-67.5	0.0105
-17.6	3.80	-27.6	1.09	-37.6	0.334	-47.6	0.105	-57.6	0.0330	-67.6	0.0104
-17.7	3.75	-27.7	1.07	-37.7	0.330	-47.7	0.103	-57.7	0.0326	-67.7	0.0103
-17.8	3.70	-27.8	1.06	-37.8	0.326	-47.8	0.102	-57.8	0.0322	-67.8	0.0102
-17.9	3.65	-27.9	1.05	-37.9	0.322	-47.9	0.101	-57.9	0.0319	-67.9	0.0101
-18.0	3.60	-28.0	1.04	-38.0	0.319	-48.0	0.100	-58.0	0.0315	-68.0	0.00996
-18.1	3.55	-28.1	1.02	-38.1	0.315	-48.1	0.0988	-58.1	0.0312	-68.1	0.00984
-18.2	3.51	-28.2	1.01	-38.2	0.311	-48.2	0.0976	-58.2	0.0308	-68.2	0.00973
-18.3	3.46	-28.3	1.000	-38.3	0.308	-48.3	0.0965	-58.3	0.0304	-68.3	0.00962
-18.4	3.42	-28.4	0.988	-38.4	0.304	-48.4	0.0954	-58.4	0.0301	-68.4	0.00951
-18.5	3.37	-28.5	0.976	-38.5	0.301	-48.5	0.0943	-58.5	0.0297	-68.5	0.00940
-18.6	3.33	-28.6	0.965	-38.6	0.297	-48.6	0.0932	-58.6	0.0294	-68.6	0.00929
-18.7	3.29	-28.7	0.953	-38.7	0.294	-48.7	0.0922	-58.7	0.0291	-68.7	0.00919
-18.8	3.24	-28.8	0.942	-38.8	0.290	-48.8	0.0911	-58.8	0.0287	-68.8	0.00908
-18.9	3.20	-28.9	0.931	-38.9	0.287	-48.9	0.0901	-58.9	0.0284	-68.9	0.00898
-19.0	3.16	-29.0	0.920	-39.0	0.284	-49.0	0.0890	-59.0	0.0281	-69.0	0.00887
-19.1	3.12	-29.1	0.909	-39.1	0.280	-49.1	0.0880	-59.1	0.0278	-69.1	0.00877
-19.2	3.08	-29.2	0.898	-39.2	0.277	-49.2	0.0870	-59.2	0.0274	-69.2	0.00867
-19.3	3.04	-29.3	0.887	-39.3	0.274	-49.3	0.0860	-59.3	0.0271	-69.3	0.00857
-19.4	3.00	-29.4	0.877	-39.4	0.271	-49.4	0.0850	-59.4	0.0268	-69.4	0.00847
-19.5	2.96	-29.5	0.866	-39.5	0.268	-49.5	0.0840	-59.5	0.0265	-69.5	0.00838
-19.6	2.92	-29.6	0.856	-39.6	0.265	-49.6	0.0831	-59.6	0.0262	-69.6	0.00828
-19.7	2.89	-29.7	0.846	-39.7	0.261	-49.7	0.0821	-59.7	0.0259	-69.7	0.00819
-19.8	2.85	-29.8	0.836	-39.8	0.258	-49.8	0.0812	-59.8	0.0256	-69.8	0.00809
-19.9	2.81	-29.9	0.826	-39.9	0.255	-49.9	0.0802	-59.9	0.0253	-69.9	0.00800