



Characterization and Data

Customer Address: Rental Unit

Certificate #: 2303134DR

Product: Solid State Amplifier

Manufacturer: ENI

Model: 25A250B

Serial #: 303226

Notes: Frequency Range: 250kHz to 150MHz

Power: 50W

CSV Files available upon request

Date of Characterization: 3/13/2023

Next Characterization: *

****The next characterization date is defined by the equipment user/owner.***

The above equipment was tested and found to be within the Manufacturer's specification. The results of the tests performed are held on file at TheEMCShop.com; see the comments below. The Characterization was carried out in accordance with the general requirements of IEC 61000-4-3 using laboratory standards which are traceable to the National Institute of Standards and Technology (NIST) except where none exist. Tests are carried out in environmental conditions controlled to the extent appropriate to the instrument's specification.

Calibration Equipment			
Model	Description	Serial Number	Due Date
ZNB8-2Port	Rohde & Schwarz Vector Analyzer	1311601042103153	11/12/2023
ZV-Z21	Calibration Kit N (50 Ω)	100800	1/26/2024

Ambient Conditions of Laboratory

Temperature (°C): 20.5

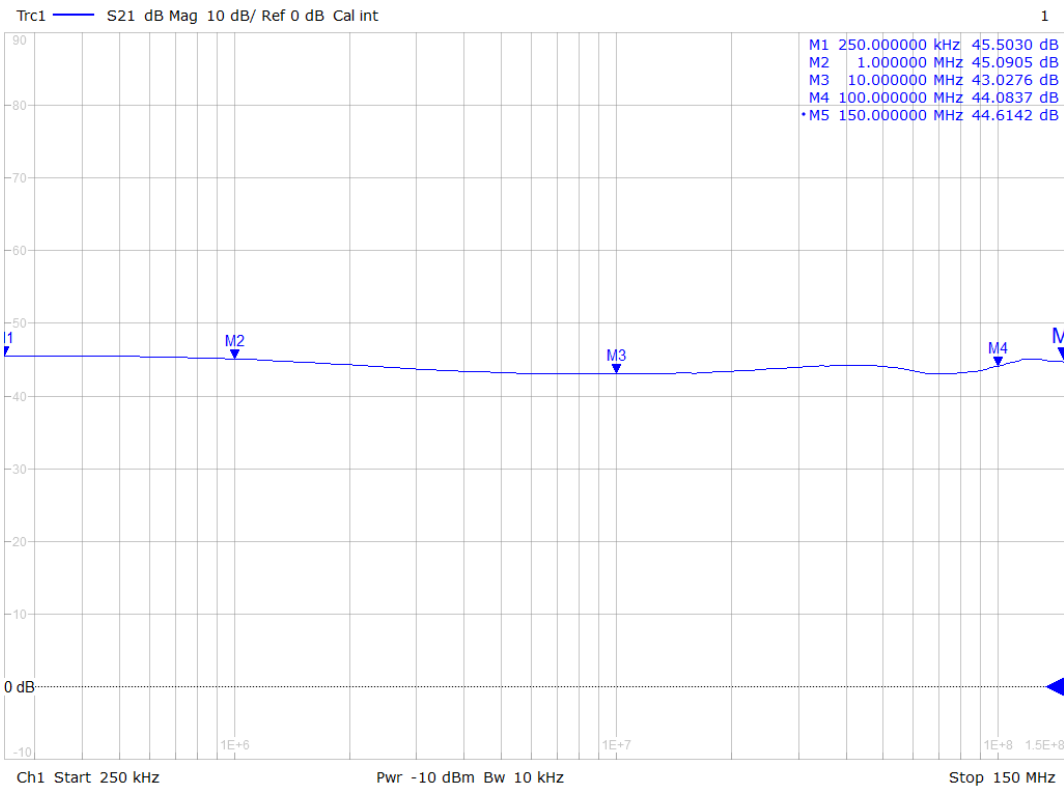
Relative Humidity (%): 44

Technician: Dan Raines

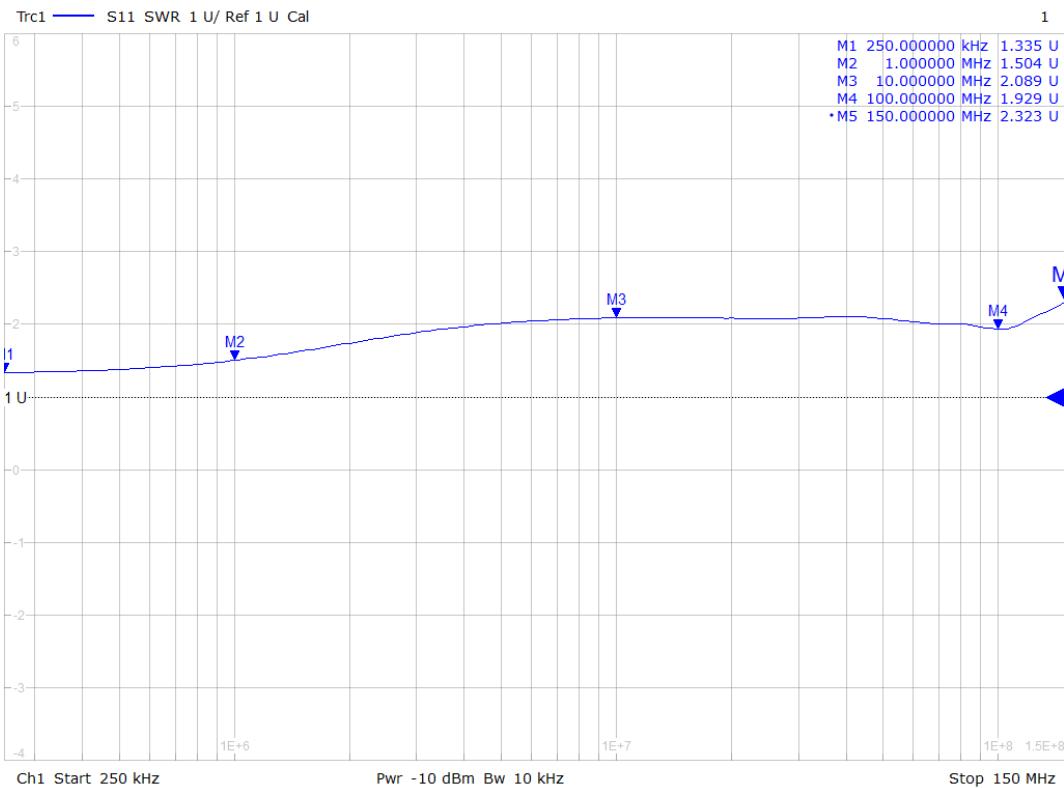
Technician Signature: _____



Gain Through Band: -10dBm Input

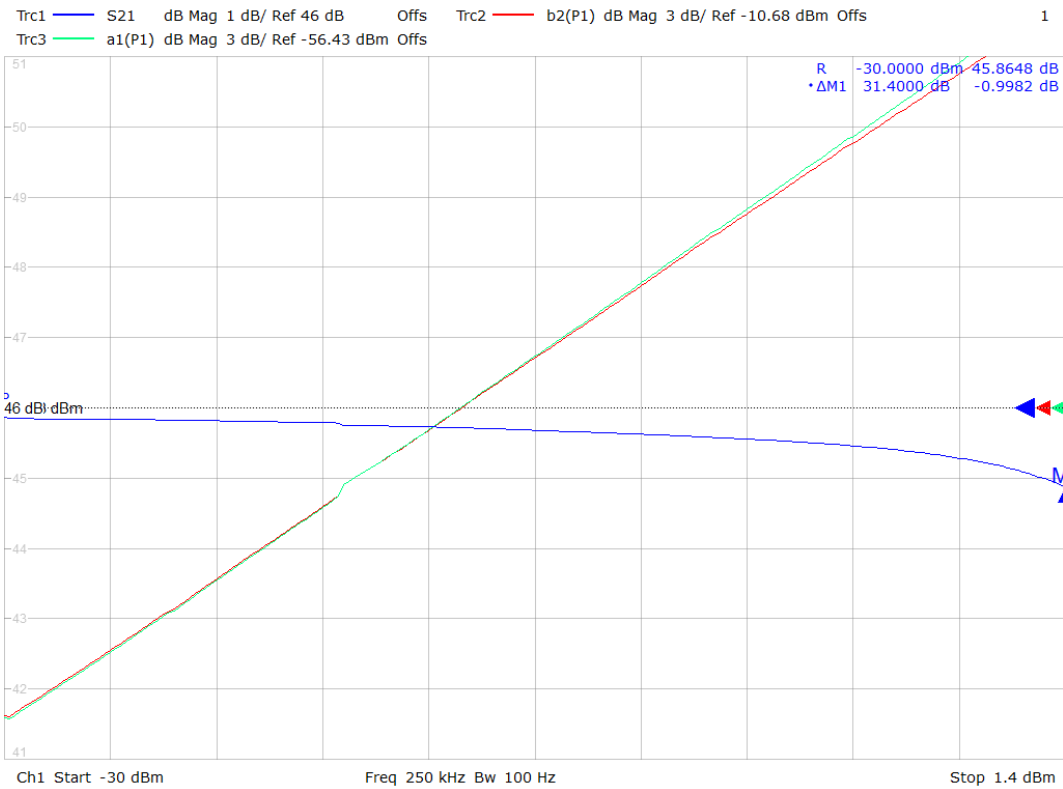


Input VSWR

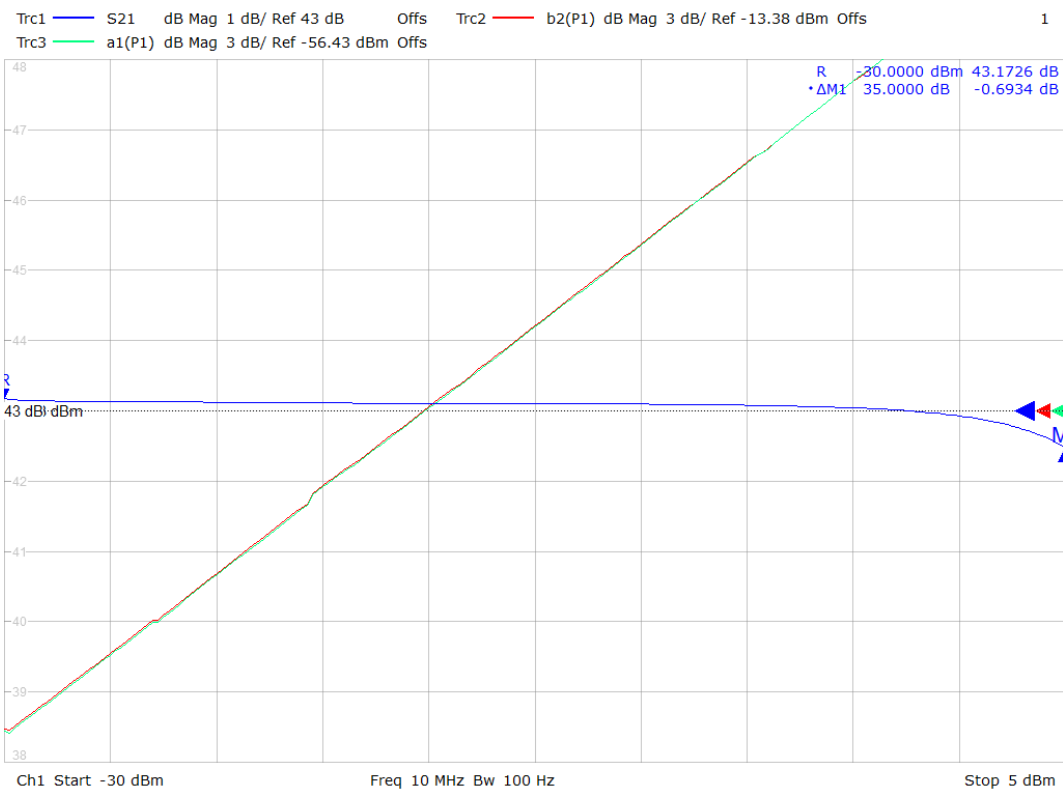




P1dB Lower Frequency Band

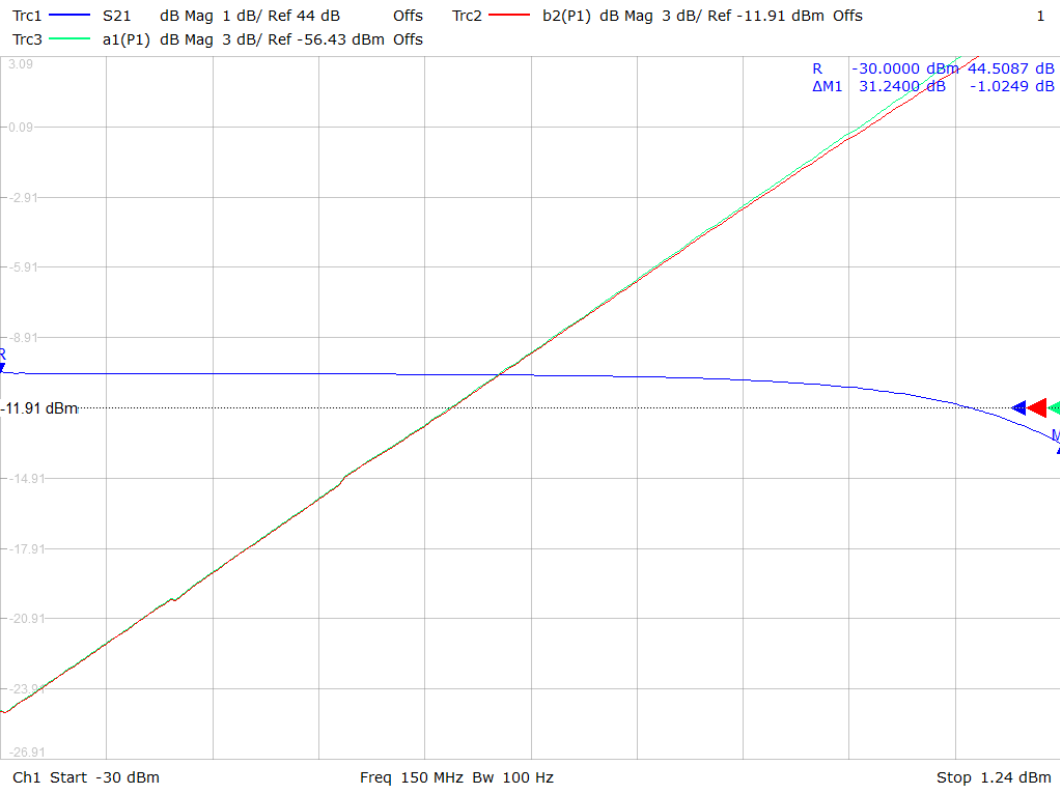


P1dB Mid Frequency Band





P1dB Upper Frequency Band



Frequency (Hz)	Gain at -10dBm Input (dBm)	VSWR at Input (U)
250000	45.51	1.34
258125	45.51	1.34
266515	45.52	1.34
275177	45.53	1.34
284121	45.54	1.34
293355	45.54	1.34
302890	45.54	1.34
312734	45.54	1.34
322899	45.53	1.35
333393	45.54	1.35
344229	45.53	1.35
355417	45.53	1.35
366969	45.53	1.35
378896	45.52	1.36
391211	45.52	1.36
403926	45.52	1.36
417054	45.51	1.36
430609	45.5	1.37
444604	45.5	1.37
459055	45.49	1.37
473975	45.48	1.37
489380	45.47	1.38
505285	45.46	1.38
521708	45.45	1.38
538664	45.43	1.39
556172	45.42	1.39
574248	45.41	1.4
592912	45.39	1.4
612183	45.38	1.4
632080	45.36	1.41
652623	45.35	1.42
673835	45.33	1.42
695736	45.32	1.42
718348	45.3	1.43
741696	45.28	1.44
765802	45.26	1.44
790692	45.25	1.45
816391	45.24	1.45
842925	45.21	1.46
870321	45.18	1.47
898608	45.16	1.48

927814	45.14	1.48
957970	45.12	1.49
989105	45.09	1.5
1021253	45.07	1.51
1054445	45.04	1.52
1088716	45.01	1.53
1124102	44.98	1.54
1160637	44.95	1.55
1198359	44.92	1.56
1237308	44.88	1.57
1277523	44.84	1.58
1319044	44.8	1.59
1361915	44.77	1.6
1406180	44.74	1.61
1451883	44.71	1.62
1499072	44.67	1.63
1547794	44.63	1.64
1598100	44.59	1.65
1650041	44.55	1.67
1703670	44.51	1.68
1759042	44.46	1.69
1816213	44.42	1.7
1875243	44.38	1.71
1936192	44.33	1.73
1999121	44.29	1.74
2064096	44.24	1.75
2131183	44.2	1.77
2200450	44.15	1.78
2271968	44.1	1.79
2345811	44.06	1.8
2422053	44.02	1.81
2500774	43.97	1.83
2582053	43.92	1.84
2665974	43.87	1.85
2752623	43.82	1.86
2842088	43.78	1.87
2934460	43.74	1.88
3029835	43.69	1.89
3128310	43.64	1.9
3229985	43.6	1.91
3334965	43.57	1.92
3443357	43.54	1.93
3555272	43.5	1.94
3670824	43.47	1.95

3790132	43.44	1.96
3913317	43.41	1.96
4040506	43.38	1.97
4171830	43.35	1.98
4307421	43.32	1.99
4447419	43.3	1.99
4591968	43.28	2
4741214	43.26	2.01
4895312	43.23	2.01
5054417	43.2	2.02
5218694	43.17	2.03
5388310	43.15	2.03
5563439	43.12	2.04
5744260	43.11	2.04
5930958	43.09	2.05
6123724	43.08	2.05
6322756	43.06	2.05
6528256	43.05	2.06
6740435	43.05	2.06
6959510	43.05	2.06
7185706	43.06	2.07
7419253	43.07	2.07
7660391	43.08	2.07
7909366	43.06	2.08
8166434	43.04	2.08
8431856	43.02	2.08
8705906	43.02	2.08
8988862	43.01	2.08
9281015	43.02	2.09
9582663	43.02	2.09
9894116	43.02	2.09
10215691	43.02	2.09
10547718	43.03	2.09
10890536	43.02	2.1
11244496	43.03	2.1
11609961	43.04	2.1
11987304	43.06	2.1
12376911	43.08	2.1
12779181	43.09	2.1
13194526	43.1	2.1
13623370	43.12	2.1
14066152	43.13	2.1
14523325	43.15	2.1
14995357	43.16	2.1

15482731	43.14	2.1
15985945	43.1	2.1
16505515	43.17	2.09
17041971	43.23	2.09
17595864	43.27	2.09
18167758	43.29	2.09
18758241	43.34	2.09
19367914	43.37	2.09
19997404	43.41	2.09
20647352	43.43	2.09
21318426	43.46	2.09
22011310	43.53	2.09
22726714	43.54	2.08
23465369	43.6	2.09
24228033	43.66	2.09
25015484	43.71	2.08
25828529	43.73	2.08
26667998	43.75	2.09
27534753	43.81	2.08
28429678	43.88	2.09
29353689	43.91	2.09
30307733	43.99	2.09
31292784	44.02	2.09
32309851	44.08	2.1
33359975	44.11	2.11
34444229	44.15	2.1
35563724	44.08	2.11
36719604	44.14	2.11
37913051	44.19	2.11
39145288	44.23	2.12
40417575	44.23	2.12
41731213	44.26	2.12
43087547	44.24	2.11
44487963	44.22	2.11
45933895	44.2	2.1
47426823	44.16	2.1
48968273	44.13	2.09
50559823	44.07	2.08
52203101	44	2.08
53899788	43.92	2.07
55651621	43.82	2.06
57460390	43.67	2.05
59327948	43.52	2.04
61256205	43.39	2.03

63247133	43.23	2.02
65302769	43.1	2.01
67425217	43.12	2
69616648	43.05	2
71879304	43.06	1.99
74215501	43.09	1.99
76627627	43.05	1.99
79118152	43.17	1.99
81689623	43.16	1.98
84344671	43.3	1.98
87086012	43.34	1.97
89916451	43.46	1.95
92838885	43.67	1.94
95856302	43.89	1.92
98971791	44.04	1.92
102188538	44.16	1.91
105509834	44.47	1.92
108939078	44.61	1.94
112479779	44.81	1.97
116135557	44.99	2
119910155	45.01	2.05
123807434	45.06	2.1
127831380	45.01	2.13
131986111	44.86	2.16
136275878	44.76	2.2
140705070	44.73	2.25
145278218	44.72	2.29
150000000	44.62	2.35