

# RF Instrument Amplifier

# TVA-63-183A+

## Typical Performance Data

FREQUENCY (MHz)	GAIN (dB)	DIRECTIVITY (dB)	VSWR (:1)		NOISE FIGURE (dB)	POUT @ 1 dB COMPRESSION (dBm)	OUTPUT IP3 (dBm)
			IN	OUT			
			110V/220V	110V/220V			
6000.0	26.57	37.52	1.24	1.43	6.24	17.69	29.99
6200.0	26.43	37.23	1.39	1.39	6.27	17.93	29.93
6400.0	26.40	36.27	1.38	1.21	6.35	18.05	29.85
6600.0	26.30	35.94	1.28	1.27	6.23	18.06	30.00
6800.0	26.09	35.82	1.32	1.46	6.25	18.04	29.74
7000.0	25.92	35.98	1.44	1.46	6.25	17.98	29.46
7200.0	25.98	35.87	1.43	1.28	6.24	17.99	29.50
7400.0	26.09	36.48	1.30	1.22	6.12	17.96	29.56
7600.0	26.01	37.23	1.39	1.44	6.14	17.97	29.37
7800.0	25.93	38.58	1.56	1.50	6.24	17.73	28.78
8000.0	26.09	39.43	1.54	1.35	6.14	17.93	29.04
8200.0	26.24	39.76	1.38	1.26	6.09	17.96	28.97
8400.0	26.19	39.99	1.35	1.39	6.06	17.76	28.63
8600.0	26.13	40.17	1.41	1.42	6.03	17.77	28.69
8800.0	26.26	39.49	1.35	1.28	6.17	17.83	28.78
9000.0	26.39	37.59	1.23	1.15	6.03	17.76	28.90
9200.0	26.39	35.49	1.27	1.21	5.99	17.85	28.74
9400.0	26.24	38.88	1.28	1.21	6.09	17.94	28.70
9600.0	26.16	43.57	1.23	1.12	6.08	17.94	28.75
10000.0	25.85	43.72	1.22	1.15	6.05	17.89	28.85
10200.0	25.72	39.52	1.22	1.10	6.07	17.95	28.79
10400.0	25.67	41.31	1.14	1.02	6.06	17.67	28.89
10600.0	25.64	39.34	1.10	1.04	6.08	17.80	28.89
10800.0	25.63	36.72	1.12	1.07	6.06	17.77	28.83
11000.0	25.53	37.35	1.11	1.05	6.06	17.65	28.87
11200.0	25.41	38.28	1.05	1.08	6.03	17.75	28.82
11400.0	25.27	38.86	1.06	1.16	6.09	17.81	28.89
11600.0	25.12	39.61	1.10	1.18	6.04	17.82	28.90
11800.0	24.96	42.14	1.09	1.15	6.02	17.37	29.15
12000.0	24.81	44.51	1.11	1.25	6.02	17.88	29.02
12200.0	24.68	43.98	1.21	1.36	5.97	17.61	28.99
12400.0	24.58	44.23	1.30	1.31	6.02	17.48	28.96
12600.0	24.54	44.16	1.31	1.22	5.97	17.31	28.98
12800.0	24.48	44.00	1.27	1.37	6.02	17.40	28.71
13000.0	24.32	44.90	1.33	1.51	6.11	17.35	28.77
13200.0	24.27	44.84	1.44	1.43	6.06	17.32	28.53
13400.0	24.34	44.50	1.44	1.33	6.16	17.52	28.40
13600.0	24.33	44.58	1.36	1.46	6.09	17.37	28.30
13800.0	24.23	44.99	1.38	1.54	6.10	17.37	28.22
14000.0	24.24	45.00	1.48	1.41	6.17	17.58	27.91
14200.0	24.33	44.53	1.48	1.31	6.17	17.63	27.91
14400.0	24.35	44.25	1.37	1.42	6.19	17.15	28.02
14600.0	24.28	44.02	1.37	1.46	6.16	17.38	27.86
14800.0	24.28	44.08	1.48	1.34	6.20	17.65	27.67
15000.0	24.28	43.59	1.46	1.30	6.17	17.66	27.64
15200.0	24.19	43.71	1.37	1.39	6.19	17.35	27.72
15400.0	24.18	44.36	1.43	1.37	6.24	17.68	27.45
15600.0	24.20	44.91	1.51	1.25	6.23	17.82	27.49
15800.0	24.21	44.82	1.42	1.28	6.23	17.47	27.48
16000.0	24.12	46.06	1.37	1.35	6.21	17.64	27.38
16200.0	24.03	47.19	1.57	1.27	6.24	17.61	27.48
16400.0	24.00	47.76	1.67	1.12	6.19	17.75	27.38
16600.0	24.04	49.01	1.53	1.13	6.25	17.20	27.52
16800.0	24.04	49.19	1.47	1.16	6.28	17.60	27.32
17000.0	23.97	51.94	1.64	1.10	6.20	17.84	27.09
17200.0	23.95	54.67	1.70	1.10	6.30	17.41	27.27
17400.0	24.00	56.79	1.63	1.14	6.15	17.45	27.26
18000.0	24.07	60.76	1.73	1.09	6.21	17.29	27.07

