

## GALI-24 Performance Data

**NOTE: Use PDF Bookmarks to view DATA at required conditions**

TYPE: MMIC Amplifier

MODEL: GALI-24 Reference Data: RDF-1233G

S PARAMETERS are presented in dB/deg Format

TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 80mA, Vd = 5.72V @Temperature = +25degC

**Definitions:**

Input Return Loss=-S11(dB)

Gain(Power Gain)=S21(dB)

Reverse Isolation=-S12(dB)

Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	FREQ	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(MHz)	(dB)
50	-22.54	-8.28	25.43	171.94	-28.60	-3.67	-18.45	179.01	1.04	0.69	33.74	19.42	50	4.09
100	-22.08	-15.78	25.36	165.01	-29.30	-5.77	-18.12	-178.11	1.08	0.63	33.65	19.53	100	4.21
200	-21.97	-37.36	25.21	150.66	-29.11	-11.31	-17.33	-177.58	1.07	0.63	33.82	19.42	200	4.22
400	-21.97	-72.60	24.79	122.67	-29.15	-22.91	-15.28	175.59	1.09	0.59	33.56	19.32	400	4.39
600	-21.57	-104.64	24.16	95.63	-28.92	-33.32	-13.49	161.68	1.09	0.56	33.52	19.10	600	4.32
800	-21.25	-135.93	23.47	69.84	-28.60	-45.53	-12.13	144.57	1.10	0.53	34.04	19.11	800	4.44
1000	-20.71	-162.36	22.74	45.16	-28.45	-57.42	-11.12	126.27	1.12	0.49	34.30	19.16	1000	4.37
1200	-20.34	173.05	22.00	21.61	-28.06	-70.02	-10.37	108.45	1.13	0.47	34.25	18.67	1200	4.38
1400	-19.66	150.57	21.28	-1.24	-27.81	-82.87	-9.82	90.29	1.15	0.44	33.98	18.88	1400	4.45
1600	-19.11	129.84	20.59	-23.40	-27.47	-96.34	-9.45	72.27	1.16	0.42	34.26	19.02	1600	4.45
1800	-18.41	111.02	19.92	-44.99	-27.20	-109.49	-9.16	54.65	1.19	0.40	34.73	18.97	1800	4.38
2000	-17.75	93.39	19.34	-66.09	-26.88	-123.18	-8.96	37.41	1.20	0.39	34.43	19.09	2000	4.32
2200	-17.31	76.83	18.75	-87.12	-26.57	-137.90	-8.89	20.18	1.22	0.37	34.32	19.20	2200	4.39
2400	-16.75	61.41	18.23	-107.78	-26.22	-151.85	-8.86	3.31	1.22	0.36	34.01	19.31	2400	4.38
2600	-16.29	45.90	17.77	-128.24	-25.99	-166.56	-8.87	-13.65	1.24	0.34	33.81	19.19	2600	4.42
2800	-15.95	30.02	17.34	-148.62	-25.71	178.26	-8.95	-31.25	1.26	0.33	33.62	18.94	2800	4.40
3000	-15.47	14.04	16.96	-168.96	-25.39	163.10	-8.96	-48.76	1.26	0.33	33.54	18.88	3000	4.44
3200	-15.40	-2.58	16.56	170.65	-25.21	147.35	-9.12	-67.31	1.29	0.32	33.22	18.77	3200	4.39
3400	-15.06	-19.79	16.27	150.36	-24.91	131.77	-9.20	-85.63	1.28	0.32	33.00	18.65	3400	4.54
3600	-14.89	-38.77	15.96	129.78	-24.60	115.25	-9.22	-105.21	1.28	0.32	32.56	18.40	3600	4.57
3800	-14.82	-57.39	15.64	109.40	-24.42	98.88	-9.31	-125.28	1.30	0.31	31.76	18.00	3800	4.69
4000	-14.78	-76.78	15.37	88.91	-24.27	81.94	-9.32	-146.00	1.32	0.31	31.26	17.44	4000	4.65
4200	-14.86	-97.28	15.07	68.33	-24.11	64.79	-9.31	-166.97	1.34	0.31	31.00	17.19	4200	4.81
4400	-14.97	-118.60	14.79	47.63	-24.06	47.02	-9.22	171.55	1.37	0.30	30.88	16.94	4400	4.71
4600	-15.00	-140.03	14.53	26.66	-23.87	29.83	-9.03	150.62	1.37	0.30	30.43	16.57	4600	4.89
4800	-15.31	-163.10	14.20	5.79	-23.79	11.50	-8.80	129.08	1.40	0.30	30.20	15.99	4800	4.88
5000	-15.72	177.04	13.99	-14.89	-23.92	-6.67	-8.75	108.45	1.45	0.29	29.98	15.57	5000	5.05
5200	-15.92	152.39	13.71	-36.07	-23.93	-25.23	-8.50	87.53	1.48	0.28	29.64	15.34	5200	5.01
5400	-16.47	126.62	13.40	-57.14	-23.88	-44.28	-8.25	66.30	1.52	0.28	29.29	15.07	5400	5.15
5600	-17.29	101.38	13.16	-78.27	-23.88	-64.28	-8.16	44.77	1.56	0.28	28.87	14.83	5600	5.22
5800	-17.00	73.95	12.83	-100.39	-24.03	-82.76	-7.98	24.06	1.62	0.27	28.72	14.57	5800	5.27
6000	-16.86	47.01	12.47	-122.64	-24.19	-102.33	-7.85	3.71	1.70	0.26	28.55	13.99	6000	5.34
6200	-16.90	15.75	12.11	-144.31	-24.28	-122.03	-7.73	-18.36	1.78	0.26	28.54	12.64	6500	5.38
6400	-17.28	-14.69	11.75	-167.04	-24.11	-143.87	-7.85	-41.53	1.84	0.26	28.22	12.46	7000	5.75
6600	-16.31	-46.28	11.24	170.73	-24.45	-164.77	-7.71	-63.36	1.99	0.25	28.06	12.90	7500	5.89
6800	-14.91	-78.47	10.74	148.77	-24.77	177.01	-7.39	-86.77	2.14	0.26	27.75	12.85	8000	6.53
7000	-14.04	-107.16	10.15	125.99	-24.42	156.85	-7.47	-110.54	2.20	0.26	27.71	13.07	8500	7.23
7200	-12.67	-130.87	9.45	104.28	-24.67	133.38	-7.29	-131.43	2.38	0.26	27.19	12.92	9000	7.56
7500	-11.31	-166.45	8.31	71.66	-24.24	106.82	-7.22	-164.96	2.53	0.27	27.63	11.64	9500	8.20
8000	-9.02	145.36	6.44	20.81	-24.17	53.30	-6.67	145.66	2.84	0.28	26.29	10.57	10000	8.32

TYPE: MMIC Amplifier  
 MODEL: GALI-24 Reference Data: RDF-1233G  
 S PARAMETERS are presented in dB/deg Format  
 TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 60mA, Vd = 5.66V @Temperature = +25degC

**Definitions:**

Input Return Loss=-S11(dB)  
 Gain(Power Gain)=S21(dB)  
 Reverse Isolation=-S12(dB)  
 Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output (dBm)	1 dB Compression Output (dBm)	FREQ (MHz)	Noise Figure (dB)
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K				
50	-17.55	-8.13	24.80	172.12	-29.23	-5.37	-26.86	-175.17	1.11	0.59	28.69	15.29	50	4.00
100	-17.79	-15.20	24.78	165.30	-28.65	-4.54	-24.42	-162.11	1.08	0.63	28.55	15.41	100	4.08
200	-17.77	-33.33	24.63	151.15	-28.39	-11.17	-21.98	-152.91	1.07	0.64	28.65	15.32	200	4.19
400	-18.07	-65.28	24.23	123.52	-28.45	-22.78	-17.49	-164.66	1.08	0.60	28.41	15.25	400	4.35
600	-18.01	-95.62	23.67	96.75	-28.21	-34.84	-14.81	178.01	1.08	0.57	28.50	15.17	600	4.28
800	-18.08	-124.79	23.02	71.01	-27.90	-46.76	-12.99	157.72	1.08	0.54	29.09	15.18	800	4.38
1000	-17.86	-151.33	22.34	46.34	-27.81	-59.87	-11.76	137.83	1.09	0.50	29.43	15.32	1000	4.31
1200	-17.70	-176.17	21.62	22.77	-27.45	-71.95	-10.86	118.02	1.10	0.47	29.51	14.75	1200	4.31
1400	-17.44	160.15	20.93	-0.14	-27.14	-86.39	-10.20	98.37	1.11	0.45	29.56	15.00	1400	4.39
1600	-17.12	138.12	20.26	-22.48	-26.91	-99.67	-9.73	79.39	1.13	0.42	29.87	15.24	1600	4.37
1800	-16.64	118.00	19.64	-44.17	-26.70	-112.54	-9.41	61.15	1.15	0.40	30.50	15.29	1800	4.27
2000	-16.07	99.20	19.06	-65.42	-26.41	-127.09	-9.18	43.54	1.16	0.38	30.55	15.59	2000	4.24
2200	-15.76	81.43	18.48	-86.42	-26.16	-141.69	-9.09	25.39	1.19	0.36	30.81	15.69	2200	4.29
2400	-15.31	64.59	17.99	-107.26	-25.94	-155.74	-9.03	8.34	1.21	0.35	30.99	15.84	2400	4.28
2600	-14.84	48.35	17.53	-127.84	-25.67	-170.46	-9.03	-8.78	1.22	0.33	30.96	15.86	2600	4.30
2800	-14.64	31.44	17.09	-148.31	-25.37	174.31	-9.11	-27.01	1.23	0.33	30.83	15.57	2800	4.28
3000	-14.24	14.67	16.72	-168.82	-25.13	158.73	-9.13	-44.57	1.24	0.32	31.04	15.56	3000	4.28
3200	-14.20	-2.51	16.33	170.81	-25.02	143.25	-9.32	-63.34	1.28	0.31	30.97	15.72	3200	4.26
3400	-13.87	-20.31	16.03	150.39	-24.75	127.68	-9.42	-81.71	1.28	0.30	30.78	15.84	3400	4.42
3600	-13.78	-39.55	15.72	129.76	-24.50	111.03	-9.46	-101.84	1.29	0.30	30.29	15.78	3600	4.44
3800	-13.75	-58.51	15.41	109.25	-24.38	94.79	-9.60	-122.10	1.31	0.30	29.63	15.56	3800	4.56
4000	-13.77	-78.28	15.13	88.68	-24.27	77.88	-9.67	-143.13	1.34	0.29	29.25	15.11	4000	4.46
4200	-13.83	-98.95	14.82	67.94	-24.11	60.44	-9.70	-164.45	1.36	0.29	29.08	15.01	4200	4.65
4400	-13.98	-120.25	14.54	47.24	-24.05	42.62	-9.69	173.89	1.40	0.28	28.95	14.88	4400	4.55
4600	-14.04	-141.72	14.26	26.16	-23.96	25.07	-9.50	152.38	1.42	0.28	28.55	14.53	4600	4.70
4800	-14.33	-164.70	13.93	5.24	-23.86	7.22	-9.34	130.68	1.45	0.28	28.10	14.05	4800	4.71
5000	-14.74	175.19	13.70	-15.48	-24.07	-11.20	-9.31	109.70	1.52	0.27	28.04	13.76	5000	4.87
5200	-14.90	150.70	13.40	-36.75	-24.03	-30.05	-9.12	88.64	1.55	0.26	27.79	13.65	5200	4.83
5400	-15.46	125.24	13.09	-57.78	-24.01	-48.84	-8.90	67.20	1.60	0.26	27.54	13.38	5400	4.97
5600	-16.21	100.33	12.82	-78.95	-24.01	-68.95	-8.83	45.41	1.65	0.26	27.17	13.14	5600	5.06
5800	-15.98	73.33	12.47	-101.02	-24.19	-87.62	-8.71	24.67	1.74	0.25	26.89	12.93	5800	5.10
6000	-15.99	46.76	12.12	-123.18	-24.41	-107.16	-8.61	4.15	1.84	0.24	26.65	12.65	6000	5.15
6200	-16.02	16.55	11.73	-144.84	-24.48	-126.67	-8.52	-18.03	1.93	0.24	26.79	11.37	6500	5.16
6400	-16.45	-13.58	11.37	-167.49	-24.31	-148.52	-8.67	-41.26	1.99	0.24	26.69	11.10	7000	5.52
6600	-15.64	-44.79	10.85	170.39	-24.66	-169.53	-8.55	-63.22	2.17	0.23	26.40	11.66	7500	5.65
6800	-14.46	-76.60	10.36	148.54	-25.03	172.37	-8.22	-86.88	2.35	0.23	26.17	11.72	8000	6.26
7000	-13.69	-105.37	9.74	125.91	-24.67	152.21	-8.28	-110.65	2.42	0.24	26.43	12.01	8500	6.95
7200	-12.40	-129.40	9.04	104.27	-24.90	128.33	-8.11	-131.58	2.62	0.24	26.07	11.88	9000	7.30
7500	-11.13	-165.24	7.94	71.86	-24.46	102.48	-7.98	-165.08	2.76	0.25	26.49	10.59	9500	7.95
8000	-8.92	146.03	6.09	21.07	-24.40	48.87	-7.34	145.65	3.10	0.26	25.75	9.79	10000	8.00

TYPE: MMIC Amplifier  
 MODEL: GALI-24 Reference Data: RDF-1233G  
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 TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 100mA, Vd = 5.76V @Temperature = +25degC

**Definitions:**

Input Return Loss=-S11(dB)  
 Gain(Power Gain)=S21(dB)  
 Reverse Isolation=-S12(dB)  
 Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output (dBm)	1 dB Compression Output (dBm)	FREQ (MHz)	Noise Figure (dB)
	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta				
50	-25.63	-13.96	25.68	171.85	-29.60	-0.84	-16.34	178.29	1.08	0.63	37.33	21.73	50	4.07
100	-25.32	-15.95	25.65	164.98	-29.87	-5.91	-16.02	178.55	1.09	0.61	37.35	21.81	100	4.22
200	-25.84	-35.88	25.50	150.68	-29.53	-11.94	-15.53	176.76	1.08	0.62	37.59	21.65	200	4.23
400	-24.81	-79.10	25.06	122.39	-29.43	-21.83	-14.14	168.61	1.08	0.59	36.96	21.53	400	4.30
600	-24.03	-113.44	24.43	95.37	-29.26	-32.78	-12.67	155.42	1.09	0.56	36.51	21.71	600	4.30
800	-23.13	-143.99	23.72	69.56	-28.96	-43.65	-11.58	139.24	1.10	0.53	36.72	21.51	800	4.47
1000	-22.21	-168.68	22.96	44.88	-28.77	-55.81	-10.75	121.97	1.13	0.49	36.70	21.39	1000	4.38
1200	-21.48	167.11	22.19	21.33	-28.44	-68.65	-10.12	104.37	1.14	0.47	36.39	21.46	1200	4.41
1400	-20.67	145.43	21.46	-1.38	-28.09	-81.15	-9.64	86.92	1.16	0.45	35.91	21.36	1400	4.32
1600	-19.97	126.65	20.75	-23.48	-27.73	-93.99	-9.30	69.73	1.18	0.42	36.09	21.34	1600	4.48
1800	-19.43	108.13	20.07	-44.97	-27.41	-107.36	-9.03	52.42	1.20	0.40	36.24	21.40	1800	4.52
2000	-18.68	90.83	19.46	-66.09	-27.07	-121.16	-8.85	35.59	1.21	0.39	35.92	21.17	2000	4.33
2200	-18.20	75.74	18.89	-86.80	-26.79	-134.96	-8.85	18.90	1.23	0.37	35.42	21.00	2200	4.38
2400	-17.70	60.21	18.36	-107.41	-26.45	-149.30	-8.85	1.97	1.25	0.36	35.24	21.03	2400	4.47
2600	-16.97	45.44	17.89	-127.81	-26.08	-163.75	-8.85	-14.78	1.25	0.35	34.65	21.06	2600	4.45
2800	-16.97	30.12	17.40	-148.12	-25.99	-178.66	-9.01	-32.75	1.30	0.33	34.65	20.98	2800	4.41
3000	-16.23	13.86	17.05	-168.38	-25.49	165.73	-8.95	-49.86	1.27	0.33	34.51	20.96	3000	4.39
3200	-16.01	-1.81	16.67	171.52	-25.22	150.23	-9.06	-67.59	1.28	0.33	34.19	20.98	3200	4.47
3400	-15.79	-18.60	16.33	151.32	-25.01	134.48	-9.17	-86.12	1.30	0.32	33.98	20.90	3400	4.55
3600	-15.62	-36.21	16.02	131.12	-24.75	118.72	-9.20	-105.17	1.30	0.32	33.51	20.81	3600	4.64
3800	-15.57	-55.54	15.72	110.76	-24.53	101.84	-9.25	-124.91	1.31	0.32	32.65	20.64	3800	4.60
4000	-15.49	-72.13	15.47	90.55	-24.41	85.76	-9.28	-144.31	1.33	0.31	32.13	20.41	4000	4.64
4200	-15.84	-93.38	15.17	70.02	-24.26	67.84	-9.21	-165.62	1.35	0.31	31.94	20.08	4200	4.69
4400	-16.00	-114.53	14.88	49.53	-24.15	50.19	-9.15	173.29	1.37	0.30	31.76	19.79	4400	4.74
4600	-15.99	-136.03	14.68	28.76	-23.97	33.13	-9.00	152.65	1.37	0.31	31.27	19.50	4600	4.89
4800	-16.10	-158.96	14.40	7.97	-23.95	14.83	-8.73	131.80	1.40	0.30	30.95	19.03	4800	4.98
5000	-16.57	178.89	14.17	-12.85	-23.94	-3.66	-8.56	110.57	1.43	0.30	30.70	18.40	5000	5.02
5200	-16.58	156.54	13.93	-34.04	-23.94	-22.30	-8.37	89.75	1.45	0.29	30.48	18.01	5200	5.02
5400	-16.60	129.42	13.64	-55.67	-23.86	-40.44	-8.08	69.32	1.47	0.29	29.92	17.78	5400	5.12
5600	-17.32	104.31	13.38	-76.93	-23.91	-60.44	-7.97	47.82	1.52	0.28	29.61	17.37	5600	5.14
5800	-17.37	77.14	13.05	-98.92	-23.96	-79.64	-7.75	26.98	1.57	0.28	29.44	16.84	5800	5.35
6000	-17.45	49.79	12.69	-120.98	-24.02	-99.20	-7.64	5.69	1.63	0.27	29.38	16.42	6000	5.27
6200	-17.54	18.13	12.30	-143.16	-24.06	-119.59	-7.52	-16.36	1.70	0.27	29.32	16.14	6500	5.31
6400	-16.99	-14.16	11.84	-165.30	-24.16	-139.46	-7.38	-37.91	1.79	0.27	29.21	15.88	7000	5.60
6600	-16.66	-46.98	11.39	172.20	-24.04	-160.44	-7.35	-60.61	1.86	0.27	29.00	15.61	7500	5.55
6800	-15.47	-76.08	10.78	150.01	-24.21	178.20	-7.24	-82.21	2.00	0.26	28.85	14.72	8000	6.10
7000	-14.06	-103.73	10.15	128.19	-24.45	157.42	-7.05	-104.02	2.16	0.26	28.62	13.61	8500	6.96
7200	-12.81	-128.69	9.49	106.55	-24.35	136.81	-6.98	-125.88	2.26	0.27	28.77	13.32	9000	7.07
7500	-11.12	-163.89	8.43	74.58	-24.43	106.13	-6.71	-157.82	2.47	0.27	28.03	12.56	9500	8.39
8000	-9.04	146.98	6.56	23.68	-23.93	54.87	-6.40	152.30	2.69	0.29	26.61	11.02	10000	8.77

TYPE: MMIC Amplifier  
 MODEL: GALI-24 Reference Data: RDF-1233G  
 S PARAMETERS are presented in dB/deg Format  
 TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 80mA, Vd = 6.01V @Temperature = -45degC

**Definitions:**

Input Return Loss=-S11(dB)  
 Gain(Power Gain)=S21(dB)  
 Reverse Isolation=-S12(dB)  
 Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	FREQ	Noise Figure
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K				
50	-21.83	-8.43	25.59	171.91	-28.77	-3.76	-18.18	177.85	1.04	0.68	33.93	19.08	50	3.63
100	-21.51	-15.41	25.52	164.87	-29.31	-8.00	-18.21	-178.55	1.07	0.64	33.65	19.07	100	3.71
200	-21.34	-33.98	25.38	150.30	-29.22	-12.17	-17.60	-179.28	1.07	0.63	33.73	18.88	200	3.76
400	-22.77	-76.01	24.99	121.81	-29.36	-24.10	-14.85	169.96	1.09	0.59	33.91	19.03	400	3.88
600	-22.19	-108.68	24.40	94.29	-28.96	-35.67	-13.35	157.65	1.08	0.57	34.04	18.83	600	3.80
800	-21.55	-139.12	23.72	67.94	-28.72	-48.18	-12.01	139.87	1.09	0.54	34.70	18.89	800	3.91
1000	-21.29	-164.71	23.00	42.74	-28.43	-60.91	-11.14	122.02	1.10	0.51	35.08	18.91	1000	3.83
1200	-20.87	167.51	22.28	18.43	-28.12	-74.38	-10.39	102.00	1.12	0.49	35.26	18.51	1200	3.83
1400	-20.37	143.28	21.57	-4.98	-27.82	-88.10	-9.80	83.38	1.13	0.46	35.33	18.63	1400	3.88
1600	-19.81	120.97	20.87	-27.73	-27.51	-101.64	-9.41	64.76	1.15	0.44	35.66	18.80	1600	3.88
1800	-19.31	101.31	20.23	-50.02	-27.29	-116.69	-9.13	46.65	1.17	0.42	36.63	18.83	1800	3.77
2000	-18.62	83.97	19.65	-71.70	-26.87	-130.89	-8.89	28.68	1.17	0.41	36.78	19.00	2000	3.74
2200	-18.37	65.74	19.08	-93.22	-26.63	-145.84	-8.79	10.76	1.20	0.39	37.15	19.11	2200	3.77
2400	-17.87	49.70	18.57	-114.59	-26.26	-160.58	-8.72	-7.00	1.20	0.38	37.50	19.39	2400	3.78
2600	-17.41	36.44	18.10	-135.30	-26.09	-174.64	-8.81	-23.69	1.23	0.36	37.85	19.32	2600	3.78
2800	-17.02	19.62	17.70	-156.49	-25.73	168.11	-8.81	-42.12	1.23	0.36	37.80	19.14	2800	3.75
3000	-16.48	3.32	17.35	-177.48	-25.32	152.48	-8.78	-59.93	1.21	0.35	38.13	19.19	3000	3.80
3200	-16.42	-12.28	17.02	161.72	-25.08	136.23	-8.97	-78.44	1.23	0.35	38.32	19.26	3200	3.73
3400	-16.09	-31.72	16.70	140.71	-24.89	119.03	-8.92	-98.09	1.24	0.34	38.28	19.29	3400	3.87
3600	-15.73	-50.60	16.43	119.70	-24.57	102.38	-9.07	-118.08	1.24	0.34	38.09	19.46	3600	3.86
3800	-15.57	-68.76	16.14	98.70	-24.41	84.93	-9.22	-139.32	1.25	0.34	36.82	19.12	3800	3.97
4000	-15.43	-87.69	15.89	77.70	-24.25	67.61	-9.16	-160.59	1.26	0.33	35.78	18.78	4000	3.91
4200	-15.36	-110.76	15.63	55.96	-23.99	49.68	-8.97	176.78	1.25	0.34	35.71	18.68	4200	4.10
4400	-15.42	-133.39	15.34	34.59	-23.87	31.44	-8.70	154.12	1.26	0.33	36.18	18.46	4400	3.96
4600	-15.89	-153.18	15.12	13.49	-23.81	13.25	-8.46	134.21	1.28	0.33	35.75	18.14	4600	4.11
4800	-16.11	-176.37	14.84	-7.92	-23.68	-5.59	-8.25	112.21	1.29	0.33	35.61	17.75	4800	4.05
5000	-16.21	162.54	14.66	-29.54	-23.68	-23.66	-7.97	91.67	1.30	0.32	35.10	17.41	5000	4.22
5200	-16.77	137.79	14.43	-51.03	-23.76	-43.07	-7.79	71.05	1.33	0.31	34.79	17.15	5200	4.21
5400	-17.26	115.05	14.22	-72.72	-23.76	-62.80	-7.60	49.10	1.35	0.31	34.92	16.84	5400	4.35
5600	-18.75	88.77	14.03	-94.14	-23.66	-83.84	-7.42	28.21	1.37	0.31	33.92	16.66	5600	4.38
5800	-18.60	56.80	13.75	-116.59	-23.59	-102.61	-7.28	6.00	1.40	0.32	33.41	16.43	5800	4.44
6000	-18.43	29.77	13.52	-139.76	-23.76	-122.94	-7.15	-15.79	1.44	0.31	33.70	15.90	6000	4.45
6200	-18.56	-2.17	13.26	-162.66	-23.75	-144.23	-7.05	-38.99	1.48	0.31	33.47	14.48	6500	4.49
6400	-18.74	-35.32	13.01	173.64	-23.60	-166.48	-7.11	-63.80	1.51	0.31	33.87	14.06	7000	4.84
6600	-16.68	-69.24	12.55	150.47	-23.97	173.76	-6.75	-88.23	1.61	0.31	33.44	14.40	7500	4.93
6800	-15.10	-102.13	12.09	127.38	-24.37	154.17	-6.29	-112.60	1.71	0.31	32.86	14.27	8000	5.61
7000	-14.00	-130.14	11.51	103.56	-24.38	132.05	-6.23	-135.98	1.80	0.31	32.71	14.48	8500	6.14
7200	-13.03	-158.09	10.90	79.80	-24.21	113.36	-6.11	-161.06	1.87	0.32	32.52	14.24	9000	6.48
7500	-12.07	167.54	9.63	45.91	-23.23	78.78	-6.30	167.24	1.93	0.32	32.70	13.02	9500	7.13
8000	-9.35	116.95	7.85	-6.82	-23.13	20.69	-5.87	117.96	2.12	0.32	31.21	12.90	10000	7.08

TYPE: MMIC Amplifier  
 MODEL: GALI-24 Reference Data: RDF-1233G  
 S PARAMETERS are presented in dB/deg Format  
 TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 60mA, Vd = 5.94V @ Temperature = -45degC

**Definitions:**

Input Return Loss=-S11(dB)  
 Gain(Power Gain)=S21(dB)  
 Reverse Isolation=-S12(dB)  
 Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	FREQ	Noise Figure
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K				
50	-18.12	-6.59	25.06	172.01	-28.57	-5.82	-24.03	-176.58	1.06	0.66	27.93	14.68	50	3.56
100	-17.71	-15.94	24.98	165.11	-28.73	-4.62	-23.55	-166.99	1.07	0.64	27.66	14.77	100	3.62
200	-17.63	-31.81	24.88	150.79	-28.63	-12.68	-22.12	-157.44	1.07	0.64	27.68	14.49	200	3.73
400	-18.80	-67.80	24.51	122.56	-28.76	-23.56	-17.11	-173.57	1.08	0.60	27.90	14.64	400	3.86
600	-18.63	-98.14	23.94	95.23	-28.28	-36.33	-14.60	170.93	1.07	0.59	28.13	14.56	600	3.78
800	-18.58	-128.00	23.30	68.99	-28.11	-49.35	-12.86	151.04	1.07	0.55	28.83	14.64	800	3.87
1000	-18.66	-154.26	22.64	43.79	-27.92	-63.11	-11.76	131.49	1.09	0.51	29.16	14.72	1000	3.81
1200	-18.61	177.96	21.96	19.43	-27.57	-76.38	-10.89	110.57	1.09	0.49	29.35	14.22	1200	3.79
1400	-18.29	153.50	21.25	-4.05	-27.28	-90.41	-10.16	90.36	1.11	0.46	29.57	14.40	1400	3.84
1600	-17.83	130.39	20.60	-26.94	-27.02	-104.74	-9.73	71.50	1.12	0.44	29.86	14.55	1600	3.83
1800	-17.55	109.54	19.96	-49.29	-26.75	-119.11	-9.36	52.26	1.14	0.42	30.49	14.71	1800	3.72
2000	-17.01	90.52	19.43	-71.09	-26.51	-134.27	-9.11	34.17	1.15	0.40	30.70	14.88	2000	3.68
2200	-16.77	71.67	18.86	-92.74	-26.26	-148.74	-8.99	15.67	1.17	0.38	31.19	15.02	2200	3.70
2400	-16.35	54.21	18.34	-114.22	-26.00	-164.06	-8.89	-2.74	1.19	0.37	31.65	15.41	2400	3.67
2600	-16.00	39.51	17.90	-134.99	-25.78	-178.93	-8.97	-19.37	1.21	0.35	32.05	15.35	2600	3.68
2800	-15.60	21.71	17.49	-156.21	-25.49	164.80	-8.97	-38.18	1.21	0.35	32.03	15.09	2800	3.67
3000	-15.15	4.51	17.14	-177.35	-25.12	148.36	-8.92	-56.36	1.20	0.34	32.53	15.24	3000	3.68
3200	-15.08	-12.04	16.80	161.79	-24.97	132.34	-9.13	-75.16	1.23	0.33	33.01	15.34	3200	3.64
3400	-14.88	-31.79	16.51	140.72	-24.72	115.80	-9.11	-94.89	1.23	0.33	33.20	15.65	3400	3.76
3600	-14.54	-51.21	16.23	119.57	-24.50	98.47	-9.28	-115.11	1.24	0.33	32.80	15.99	3600	3.75
3800	-14.44	-69.79	15.92	98.50	-24.32	81.51	-9.45	-136.77	1.26	0.32	32.13	15.70	3800	3.87
4000	-14.37	-89.14	15.70	77.38	-24.17	64.17	-9.46	-158.38	1.27	0.32	31.72	15.45	4000	3.79
4200	-14.29	-112.03	15.43	55.61	-23.94	45.53	-9.30	178.86	1.27	0.32	31.82	15.69	4200	3.99
4400	-14.42	-134.63	15.14	34.13	-23.87	27.09	-9.07	155.86	1.29	0.32	31.94	15.67	4400	3.85
4600	-14.84	-154.71	14.90	12.97	-23.83	9.29	-8.84	135.53	1.30	0.31	31.34	15.34	4600	3.99
4800	-15.08	-177.78	14.63	-8.52	-23.75	-9.72	-8.69	113.25	1.33	0.31	30.90	14.82	4800	3.94
5000	-15.21	160.89	14.42	-30.29	-23.77	-27.77	-8.40	92.48	1.34	0.30	30.52	14.73	5000	4.12
5200	-15.72	136.35	14.19	-51.79	-23.81	-47.10	-8.28	71.63	1.38	0.30	30.63	14.71	5200	4.10
5400	-16.19	113.59	13.96	-73.56	-23.87	-66.75	-8.09	49.45	1.42	0.29	30.60	14.38	5400	4.24
5600	-17.45	87.74	13.73	-95.03	-23.79	-87.79	-7.94	28.36	1.44	0.29	30.04	14.17	5600	4.28
5800	-17.41	56.88	13.47	-117.49	-23.70	-106.73	-7.88	5.98	1.47	0.30	29.73	13.98	5800	4.30
6000	-17.28	29.96	13.20	-140.64	-23.90	-127.51	-7.75	-15.95	1.53	0.29	29.34	13.79	6000	4.32
6200	-17.44	-1.10	12.95	-163.46	-23.96	-148.73	-7.75	-39.33	1.59	0.29	29.11	12.37	6500	4.35
6400	-17.60	-33.39	12.65	172.81	-23.75	-170.72	-7.81	-64.28	1.62	0.29	29.35	12.01	7000	4.69
6600	-15.97	-67.23	12.20	149.79	-24.13	169.40	-7.48	-88.86	1.74	0.29	29.02	12.56	7500	4.75
6800	-14.64	-99.96	11.73	126.75	-24.57	150.02	-6.97	-113.33	1.86	0.29	29.00	12.50	8000	5.41
7000	-13.61	-128.10	11.14	103.08	-24.61	127.31	-6.91	-136.80	1.97	0.29	28.70	12.87	8500	5.94
7200	-12.76	-156.22	10.53	79.50	-24.41	108.93	-6.84	-161.86	2.04	0.30	28.29	12.57	9000	6.25
7500	-11.83	169.09	9.27	45.76	-23.41	75.04	-6.92	166.72	2.09	0.30	29.05	11.14	9500	6.91
8000	-9.21	117.77	7.49	-6.95	-23.26	17.16	-6.42	117.59	2.28	0.30	29.24	11.64	10000	6.77

TYPE: MMIC Amplifier  
 MODEL: GALI-24 Reference Data: RDF-1233G  
 S PARAMETERS are presented in dB/deg Format  
 TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 100mA, Vd = 6.03V @Temperature = -45degC

**Definitions:**

Input Return Loss=-S11(dB)  
 Gain(Power Gain)=S21(dB)  
 Reverse Isolation=-S12(dB)  
 Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output (dBm)	1 dB Compression Output (dBm)	FREQ (MHz)	Noise Figure (dB)
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K				
50	-25.09	-14.03	25.81	171.90	-29.75	-0.11	-16.07	178.16	1.07	0.63	37.88	21.80	50	3.65
100	-24.31	-16.88	25.78	164.93	-29.62	-6.22	-16.12	178.20	1.07	0.63	37.67	21.91	100	3.81
200	-23.99	-32.00	25.64	150.46	-29.74	-11.92	-15.98	176.21	1.08	0.61	37.77	21.65	200	3.80
400	-25.86	-82.65	25.22	121.77	-29.48	-23.32	-13.79	164.90	1.08	0.60	37.69	21.56	400	3.87
600	-24.36	-117.06	24.61	94.38	-29.32	-34.27	-12.60	152.42	1.09	0.57	37.56	21.85	600	3.85
800	-23.39	-147.34	23.93	68.12	-29.02	-47.10	-11.57	136.26	1.10	0.54	38.00	21.65	800	3.98
1000	-22.60	-170.79	23.20	43.02	-28.72	-59.67	-10.88	118.76	1.11	0.51	38.36	21.54	1000	3.90
1200	-22.20	163.03	22.44	18.89	-28.44	-72.03	-10.21	100.20	1.13	0.48	38.39	21.62	1200	3.91
1400	-21.50	135.58	21.72	-4.39	-28.09	-85.66	-9.61	81.50	1.14	0.46	38.26	21.57	1400	3.82
1600	-20.63	116.88	21.02	-26.91	-27.79	-99.35	-9.29	63.99	1.16	0.44	38.68	21.50	1600	3.98
1800	-20.14	97.69	20.36	-48.96	-27.43	-113.54	-9.00	45.95	1.18	0.42	39.96	21.56	1800	4.04
2000	-19.50	80.34	19.76	-70.55	-27.08	-127.88	-8.82	28.73	1.19	0.41	40.16	21.33	2000	3.80
2200	-19.05	64.40	19.19	-91.84	-26.80	-142.19	-8.77	11.20	1.21	0.39	40.22	21.15	2200	3.82
2400	-18.66	47.74	18.67	-112.95	-26.53	-157.38	-8.75	-6.46	1.23	0.38	40.36	21.16	2400	3.92
2600	-17.78	33.42	18.21	-133.78	-26.10	-172.87	-8.73	-23.53	1.22	0.37	39.93	21.27	2600	3.88
2800	-17.74	17.56	17.74	-154.72	-25.96	171.83	-8.85	-42.01	1.26	0.35	40.07	21.19	2800	3.85
3000	-17.07	3.46	17.40	-175.24	-25.44	156.06	-8.81	-58.90	1.23	0.36	40.53	21.27	3000	3.80
3200	-16.90	-10.75	17.06	164.25	-25.25	139.93	-8.92	-76.52	1.25	0.35	40.68	21.50	3200	3.91
3400	-16.66	-28.37	16.73	143.50	-24.98	123.67	-9.07	-96.25	1.26	0.34	40.90	21.59	3400	3.96
3600	-16.52	-45.66	16.43	122.85	-24.73	106.81	-9.00	-115.36	1.26	0.34	39.77	21.50	3600	4.01
3800	-16.48	-63.21	16.17	102.18	-24.51	89.73	-9.10	-134.80	1.27	0.34	38.27	21.41	3800	3.96
4000	-16.71	-79.91	15.94	81.50	-24.35	73.11	-9.11	-155.06	1.28	0.34	36.92	21.34	4000	4.02
4200	-17.18	-102.55	15.68	60.36	-24.20	54.39	-8.95	-176.86	1.29	0.34	37.85	21.24	4200	4.07
4400	-17.42	-127.72	15.42	39.28	-24.01	36.38	-8.74	161.21	1.29	0.34	38.86	21.14	4400	4.08
4600	-17.09	-149.62	15.26	18.16	-23.98	18.17	-8.58	139.86	1.30	0.33	37.94	21.06	4600	4.26
4800	-17.22	-172.13	15.03	-3.11	-23.79	0.20	-8.24	119.12	1.29	0.33	37.78	20.75	4800	4.28
5000	-17.61	164.20	14.84	-24.37	-23.81	-19.01	-8.01	97.53	1.31	0.33	37.09	20.28	5000	4.32
5200	-17.36	144.55	14.66	-46.00	-23.73	-37.51	-7.82	77.14	1.31	0.32	37.47	19.92	5200	4.30
5400	-17.40	115.48	14.46	-68.11	-23.73	-57.17	-7.52	55.72	1.32	0.32	37.24	19.59	5400	4.43
5600	-17.81	93.70	14.25	-89.73	-23.71	-77.59	-7.45	34.20	1.34	0.32	36.27	19.28	5600	4.39
5800	-18.26	69.57	14.02	-112.44	-23.66	-97.08	-7.29	12.72	1.36	0.31	36.45	18.88	5800	4.61
6000	-18.49	39.55	13.75	-135.31	-23.72	-117.65	-7.06	-9.86	1.39	0.31	36.22	18.47	6000	4.49
6200	-18.66	8.39	13.44	-158.30	-23.68	-138.41	-6.89	-33.27	1.43	0.31	36.27	18.07	6500	4.55
6400	-18.40	-27.54	13.02	178.50	-23.81	-159.27	-6.59	-55.42	1.49	0.31	37.27	17.80	7000	4.79
6600	-18.23	-67.54	12.65	155.20	-23.63	179.49	-6.43	-78.64	1.52	0.32	36.34	17.64	7500	4.71
6800	-16.49	-98.57	12.08	131.88	-23.80	157.24	-6.27	-101.05	1.61	0.31	35.42	16.93	8000	5.32
7000	-14.86	-127.60	11.46	108.98	-24.06	135.17	-6.07	-123.47	1.73	0.30	37.18	15.19	8500	5.91
7200	-13.21	-154.47	10.83	86.45	-24.04	113.77	-5.91	-145.64	1.81	0.31	36.90	14.77	9000	6.27
7500	-11.28	170.38	9.80	52.92	-24.01	82.63	-5.79	-178.80	1.96	0.32	34.77	13.81	9500	7.84
8000	-9.17	119.84	7.96	-0.53	-23.58	30.25	-5.66	128.33	2.16	0.33	32.29	12.76	10000	7.66

TYPE: MMIC Amplifier  
 MODEL: GALI-24 Reference Data: RDF-1233G  
 S PARAMETERS are presented in dB/deg Format  
 TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 80mA, Vd = 5.54V @Temperature = +85degC

**Definitions:**

Input Return Loss=-S11(dB)  
 Gain(Power Gain)=S21(dB)  
 Reverse Isolation=-S12(dB)  
 Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	FREQ	Noise Figure
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K				
50	-21.34	-8.02	25.27	172.03	-29.19	-3.83	-19.43	178.97	1.08	0.63	33.82	19.25	50	4.46
100	-22.03	-15.58	25.19	165.11	-29.34	-6.58	-18.68	-177.79	1.09	0.61	33.63	19.34	100	4.57
200	-22.85	-39.24	25.04	150.85	-28.96	-11.57	-17.40	-176.17	1.08	0.63	33.72	19.15	200	4.58
400	-21.39	-71.55	24.60	123.14	-28.96	-21.48	-15.50	-179.78	1.09	0.59	33.69	19.10	400	4.76
600	-20.71	-102.28	23.98	96.40	-28.81	-32.53	-13.72	166.32	1.10	0.55	33.79	18.96	600	4.71
800	-20.24	-130.84	23.27	70.95	-28.46	-43.97	-12.25	149.26	1.10	0.53	34.46	19.04	800	4.83
1000	-19.77	-155.50	22.53	46.58	-28.27	-55.69	-11.30	131.50	1.12	0.49	34.84	19.05	1000	4.78
1200	-19.45	-179.39	21.78	23.33	-28.02	-68.07	-10.51	113.28	1.14	0.46	34.94	18.62	1200	4.80
1400	-18.90	158.42	21.04	0.86	-27.65	-79.95	-9.92	95.09	1.15	0.44	34.82	18.79	1400	4.87
1600	-18.48	137.62	20.32	-20.97	-27.42	-92.97	-9.51	77.54	1.18	0.41	35.19	18.93	1600	4.89
1800	-17.82	117.91	19.66	-42.31	-27.11	-105.70	-9.22	60.07	1.20	0.39	35.95	18.88	1800	4.77
2000	-17.18	99.88	19.06	-63.09	-26.84	-118.73	-9.00	43.20	1.21	0.37	35.76	19.06	2000	4.74
2200	-16.65	83.91	18.47	-83.63	-26.53	-132.55	-8.97	26.34	1.23	0.35	35.88	19.17	2200	4.81
2400	-16.07	67.35	17.94	-104.11	-26.22	-146.72	-8.94	9.52	1.25	0.34	35.76	19.32	2400	4.85
2600	-15.53	53.15	17.47	-124.15	-25.90	-160.50	-9.03	-6.82	1.26	0.33	35.79	19.21	2600	4.87
2800	-15.20	36.23	17.01	-144.27	-25.69	-175.75	-9.05	-24.72	1.28	0.32	35.68	19.09	2800	4.87
3000	-14.71	19.08	16.61	-164.52	-25.34	169.29	-9.04	-41.99	1.28	0.31	35.76	19.11	3000	4.91
3200	-14.50	4.11	16.22	175.79	-25.15	155.02	-9.24	-59.36	1.31	0.30	35.76	19.06	3200	4.86
3400	-14.26	-13.47	15.88	155.75	-24.90	139.17	-9.32	-77.70	1.32	0.30	35.48	19.09	3400	5.03
3600	-14.20	-31.38	15.54	135.60	-24.66	123.60	-9.46	-96.52	1.34	0.29	35.16	18.94	3600	5.09
3800	-14.15	-48.97	15.22	115.68	-24.54	107.52	-9.63	-115.72	1.37	0.29	34.29	18.59	3800	5.20
4000	-14.07	-68.17	14.93	95.44	-24.37	90.97	-9.72	-136.15	1.39	0.28	33.51	18.08	4000	5.14
4200	-14.21	-89.23	14.60	74.99	-24.16	74.24	-9.70	-157.27	1.41	0.28	33.47	17.87	4200	5.34
4400	-14.42	-110.89	14.29	54.63	-24.05	56.94	-9.63	-178.48	1.44	0.28	33.47	17.66	4400	5.24
4600	-14.65	-132.98	13.97	34.17	-24.01	39.41	-9.48	160.26	1.48	0.28	33.04	17.30	4600	5.42
4800	-14.74	-155.66	13.64	13.59	-23.94	22.21	-9.29	139.20	1.51	0.27	32.61	16.77	4800	5.42
5000	-14.78	-178.20	13.35	-7.02	-24.02	4.52	-9.12	118.60	1.56	0.26	32.53	16.41	5000	5.60
5200	-14.88	157.76	13.02	-27.77	-24.10	-13.67	-8.93	98.24	1.62	0.26	32.46	16.13	5200	5.58
5400	-15.18	134.90	12.70	-48.42	-24.17	-32.07	-8.83	77.65	1.69	0.25	32.02	15.86	5400	5.73
5600	-15.64	112.41	12.37	-69.27	-24.28	-51.68	-8.78	57.04	1.77	0.24	31.62	15.68	5600	5.82
5800	-16.02	84.72	12.01	-90.16	-24.24	-69.70	-8.62	35.99	1.83	0.24	31.43	15.35	5800	5.87
6000	-16.06	58.42	11.60	-111.64	-24.47	-88.86	-8.51	15.74	1.95	0.23	31.38	14.75	6000	5.98
6200	-16.38	30.34	11.19	-133.06	-24.62	-108.75	-8.51	-5.39	2.08	0.22	31.51	13.32	6500	6.05
6400	-16.69	-0.22	10.75	-154.97	-24.62	-129.46	-8.57	-26.95	2.19	0.22	31.88	12.95	7000	6.41
6600	-16.00	-34.32	10.28	-176.27	-24.87	-148.42	-8.36	-48.73	2.36	0.22	31.00	13.44	7500	6.58
6800	-15.12	-68.44	9.79	161.56	-24.68	-164.61	-8.38	-72.98	2.44	0.23	30.55	13.35	8000	7.20
7000	-13.61	-91.83	9.08	140.47	-25.20	170.75	-8.21	-92.70	2.73	0.22	30.45	13.52	8500	7.88
7200	-12.62	-118.68	8.43	118.65	-24.90	155.12	-8.26	-116.66	2.83	0.23	30.89	13.43	9000	8.35
7500	-11.21	-148.20	7.23	88.14	-24.34	121.62	-8.12	-146.72	2.96	0.24	30.69	11.99	9500	9.02
8000	-8.89	166.16	5.42	39.00	-24.12	69.04	-7.41	164.42	3.24	0.25	29.31	11.45	10000	9.14

TYPE: MMIC Amplifier  
 MODEL: GALI-24 Reference Data: RDF-1233G  
 S PARAMETERS are presented in dB/deg Format  
 TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 60mA, Vd = 5.47V @Temperature = +85degC

**Definitions:**

Input Return Loss=-S11(dB)  
 Gain(Power Gain)=S21(dB)  
 Reverse Isolation=-S12(dB)  
 Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	FREQ	Noise Figure
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K				
50	-17.32	-5.81	24.62	172.20	-27.96	-4.27	-29.42	-169.26	1.06	0.68	28.33	15.00	50	4.37
100	-17.54	-14.69	24.55	165.42	-28.05	-7.21	-25.93	-157.61	1.06	0.66	28.13	15.10	100	4.44
200	-18.14	-34.19	24.43	151.38	-28.50	-11.69	-22.01	-150.49	1.09	0.62	28.16	14.93	200	4.56
400	-17.40	-64.31	24.03	124.04	-28.30	-22.43	-17.56	-157.09	1.08	0.60	28.13	14.99	400	4.73
600	-17.17	-93.76	23.44	97.58	-28.01	-33.29	-14.95	-175.44	1.08	0.57	28.31	14.90	600	4.68
800	-17.07	-121.29	22.77	72.28	-27.85	-45.69	-13.05	163.83	1.08	0.53	28.99	15.00	800	4.80
1000	-17.01	-146.32	22.09	47.96	-27.56	-57.77	-11.89	143.84	1.09	0.50	29.36	15.13	1000	4.73
1200	-16.96	-170.54	21.39	24.59	-27.36	-69.97	-10.95	123.82	1.11	0.46	29.50	14.56	1200	4.75
1400	-16.65	166.51	20.67	2.07	-27.12	-82.73	-10.27	103.96	1.12	0.43	29.59	14.83	1400	4.81
1600	-16.46	144.75	20.02	-19.91	-26.80	-95.95	-9.78	85.23	1.14	0.41	29.90	14.90	1600	4.82
1800	-15.99	124.20	19.36	-41.35	-26.62	-109.23	-9.44	66.97	1.16	0.38	30.55	15.06	1800	4.69
2000	-15.56	104.96	18.79	-62.31	-26.33	-122.81	-9.22	49.54	1.18	0.37	30.65	15.25	2000	4.66
2200	-15.07	87.96	18.21	-82.96	-26.11	-136.49	-9.16	32.04	1.20	0.35	31.04	15.34	2200	4.74
2400	-14.61	70.55	17.67	-103.51	-25.85	-151.14	-9.11	14.85	1.22	0.33	31.43	15.69	2400	4.74
2600	-14.19	55.01	17.22	-123.64	-25.58	-164.43	-9.17	-1.60	1.23	0.32	31.58	15.61	2600	4.75
2800	-13.90	37.47	16.77	-143.90	-25.40	180.00	-9.21	-20.02	1.26	0.30	31.55	15.45	2800	4.74
3000	-13.54	19.78	16.36	-164.17	-25.09	164.96	-9.22	-37.59	1.26	0.30	31.93	15.50	3000	4.76
3200	-13.37	4.07	15.98	176.00	-24.95	150.99	-9.44	-55.06	1.30	0.29	32.15	15.58	3200	4.71
3400	-13.20	-14.03	15.64	155.82	-24.73	134.88	-9.56	-73.54	1.31	0.28	32.12	15.85	3400	4.92
3600	-13.16	-32.36	15.30	135.68	-24.54	118.93	-9.73	-92.66	1.34	0.28	31.65	16.01	3600	4.93
3800	-13.15	-50.14	14.96	115.63	-24.48	103.35	-9.96	-112.06	1.38	0.27	31.06	15.78	3800	5.08
4000	-13.12	-69.71	14.67	95.36	-24.33	86.61	-10.09	-132.67	1.41	0.27	30.61	15.40	4000	5.02
4200	-13.27	-90.90	14.34	74.83	-24.08	69.50	-10.15	-154.13	1.42	0.27	30.61	15.44	4200	5.17
4400	-13.50	-112.41	14.03	54.36	-24.09	52.38	-10.14	-175.73	1.48	0.26	30.48	15.28	4400	5.08
4600	-13.72	-134.62	13.70	33.89	-24.08	34.78	-10.03	162.62	1.53	0.26	30.00	14.94	4600	5.27
4800	-13.86	-157.16	13.36	13.22	-24.05	17.44	-9.90	141.33	1.57	0.25	29.67	14.47	4800	5.27
5000	-13.92	-179.55	13.04	-7.42	-24.13	-0.51	-9.77	120.40	1.64	0.24	29.49	14.33	5000	5.45
5200	-14.07	156.65	12.69	-28.21	-24.17	-18.60	-9.62	99.88	1.70	0.24	29.44	14.14	5200	5.43
5400	-14.37	133.98	12.36	-48.81	-24.32	-37.02	-9.56	79.06	1.79	0.23	29.34	13.80	5400	5.55
5600	-14.81	111.37	12.02	-69.64	-24.40	-56.67	-9.53	58.34	1.88	0.22	28.98	13.63	5600	5.65
5800	-15.23	84.21	11.66	-90.53	-24.43	-75.01	-9.42	37.20	1.97	0.22	28.63	13.51	5800	5.69
6000	-15.30	58.33	11.23	-111.93	-24.66	-93.65	-9.32	16.79	2.11	0.21	28.39	13.18	6000	5.79
6200	-15.68	30.68	10.84	-133.27	-24.88	-113.84	-9.36	-4.33	2.26	0.20	28.46	11.87	6500	5.85
6400	-15.99	0.74	10.37	-155.09	-24.88	-134.33	-9.44	-25.99	2.40	0.20	28.35	11.51	7000	6.21
6600	-15.47	-32.73	9.90	-176.33	-25.19	-154.16	-9.26	-48.03	2.60	0.20	28.35	11.93	7500	6.31
6800	-14.73	-66.40	9.40	161.66	-24.94	-169.56	-9.28	-72.38	2.68	0.21	27.89	11.99	8000	6.95
7000	-13.32	-90.30	8.70	140.64	-25.42	165.29	-9.09	-92.21	2.98	0.20	28.05	12.31	8500	7.62
7200	-12.40	-117.29	8.06	118.92	-25.18	149.90	-9.16	-116.28	3.11	0.21	27.70	12.16	9000	8.10
7500	-11.07	-147.30	6.89	88.48	-24.56	116.92	-8.96	-146.44	3.22	0.22	28.18	10.73	9500	8.79
8000	-8.81	166.59	5.09	39.30	-24.28	64.65	-8.12	164.83	3.50	0.23	27.31	10.43	10000	8.91

TYPE: MMIC Amplifier  
 MODEL: GALI-24 Reference Data: RDF-1233G  
 S PARAMETERS are presented in dB/deg Format  
 TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 100mA, Vd = 5.56V @Temperature = +85degC

**Definitions:**

Input Return Loss=-S11(dB)  
 Gain(Power Gain)=S21(dB)  
 Reverse Isolation=-S12(dB)  
 Output Return Loss=-S22(dB)

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	FREQ	Noise Figure
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K				
50	-25.38	-13.91	25.54	171.89	-29.58	-2.40	-16.87	178.22	1.08	0.62	37.67	21.85	50	4.43
100	-25.77	-15.60	25.50	165.01	-29.41	-4.15	-16.32	178.64	1.07	0.63	37.59	21.91	100	4.59
200	-27.16	-39.78	25.35	150.75	-29.33	-9.84	-15.52	177.81	1.08	0.62	37.76	21.70	200	4.60
400	-24.27	-78.07	24.89	122.74	-29.44	-21.42	-14.33	172.75	1.09	0.58	37.38	21.53	400	4.71
600	-23.07	-110.13	24.25	95.85	-29.12	-31.64	-12.94	159.51	1.10	0.56	37.16	21.77	600	4.71
800	-22.14	-138.13	23.52	70.32	-28.90	-42.94	-11.75	143.45	1.11	0.52	37.58	21.61	800	4.88
1000	-21.22	-161.55	22.75	45.95	-28.61	-54.11	-10.95	126.37	1.13	0.49	37.79	21.49	1000	4.82
1200	-20.60	174.57	21.96	22.62	-28.31	-66.10	-10.29	108.89	1.15	0.46	37.63	21.59	1200	4.84
1400	-19.90	152.80	21.22	0.21	-27.98	-78.72	-9.75	91.41	1.17	0.43	37.30	21.49	1400	4.79
1600	-19.26	133.48	20.49	-21.58	-27.64	-90.76	-9.37	74.46	1.19	0.41	37.71	21.49	1600	4.92
1800	-18.67	114.95	19.80	-42.77	-27.38	-103.53	-9.11	57.45	1.21	0.39	38.26	21.53	1800	4.99
2000	-17.97	97.46	19.17	-63.64	-26.99	-117.12	-8.93	40.94	1.22	0.37	38.03	21.26	2000	4.80
2200	-17.43	82.30	18.57	-84.05	-26.77	-130.52	-8.91	24.55	1.26	0.35	37.73	21.12	2200	4.89
2400	-16.97	66.57	18.04	-104.36	-26.40	-144.50	-8.93	7.96	1.27	0.34	37.43	21.10	2400	4.98
2600	-16.27	50.81	17.56	-124.49	-26.08	-158.55	-8.93	-8.55	1.28	0.33	37.13	21.17	2600	4.97
2800	-16.21	35.35	17.05	-144.38	-25.88	-173.03	-9.09	-26.06	1.32	0.32	37.29	21.06	2800	4.92
3000	-15.59	18.21	16.67	-164.39	-25.47	171.93	-9.05	-42.96	1.30	0.32	37.35	21.16	3000	4.93
3200	-15.34	2.58	16.28	175.85	-25.28	156.91	-9.18	-60.19	1.33	0.31	37.32	21.26	3200	5.01
3400	-15.05	-14.22	15.92	155.96	-25.04	141.51	-9.34	-78.22	1.35	0.30	37.16	21.26	3400	5.11
3600	-14.82	-31.46	15.58	136.08	-24.82	125.96	-9.45	-96.87	1.36	0.29	36.60	21.14	3600	5.21
3800	-14.81	-50.15	15.25	116.08	-24.58	109.64	-9.58	-116.26	1.38	0.29	35.47	21.03	3800	5.14
4000	-14.71	-67.06	14.98	96.09	-24.42	93.72	-9.67	-135.40	1.39	0.29	34.65	20.88	4000	5.22
4200	-15.02	-87.68	14.67	75.88	-24.31	76.56	-9.67	-156.66	1.43	0.28	35.11	20.70	4200	5.26
4400	-15.17	-108.85	14.36	55.72	-24.24	59.24	-9.62	-177.65	1.46	0.28	34.83	20.45	4400	5.31
4600	-15.20	-130.95	14.11	35.19	-24.11	42.43	-9.46	161.84	1.48	0.28	34.50	20.22	4600	5.48
4800	-15.30	-153.82	13.80	14.70	-24.07	24.68	-9.21	141.18	1.51	0.27	34.24	19.78	4800	5.61
5000	-15.72	-176.05	13.51	-5.81	-24.08	6.38	-9.04	120.36	1.56	0.27	33.96	19.23	5000	5.64
5200	-15.59	161.27	13.20	-26.67	-24.16	-11.55	-8.86	100.13	1.61	0.26	33.96	18.81	5200	5.64
5400	-15.73	135.33	12.87	-47.77	-24.09	-29.54	-8.62	80.32	1.64	0.26	33.36	18.52	5400	5.75
5600	-16.26	110.82	12.55	-68.73	-24.16	-48.87	-8.56	59.34	1.71	0.25	33.19	18.14	5600	5.80
5800	-16.41	85.20	12.15	-90.16	-24.25	-68.03	-8.38	39.28	1.79	0.24	33.07	17.67	5800	6.04
6000	-16.65	58.16	11.75	-111.54	-24.33	-87.14	-8.35	18.74	1.89	0.24	32.75	17.23	6000	5.99
6200	-16.85	27.21	11.33	-133.13	-24.35	-107.04	-8.28	-2.57	1.98	0.23	32.89	16.89	6500	6.04
6400	-16.39	-3.95	10.83	-154.60	-24.52	-126.68	-8.20	-23.57	2.12	0.23	32.80	16.66	7000	6.36
6600	-16.03	-34.93	10.30	-176.38	-24.38	-147.13	-8.20	-45.53	2.22	0.23	32.24	16.42	7500	6.34
6800	-15.02	-63.41	9.70	162.22	-24.56	-167.97	-8.14	-66.74	2.40	0.23	32.31	15.50	8000	6.87
7000	-13.75	-89.90	9.05	141.15	-24.71	171.52	-7.98	-88.19	2.58	0.23	33.07	14.41	8500	7.92
7200	-12.65	-114.12	8.37	120.21	-24.59	150.85	-7.91	-109.41	2.71	0.23	33.50	14.00	9000	7.92
7500	-11.10	-149.07	7.33	89.28	-24.67	121.26	-7.61	-141.01	2.96	0.24	32.55	13.06	9500	9.06
8000	-8.98	162.63	5.44	40.00	-24.13	70.91	-7.08	170.46	3.19	0.26	30.07	11.61	10000	9.69