GALI-55 Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 50mA, Vd = 4.49V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-31.75	-4.43	23.25	173.03	-26.05	-3.99	-26.54	175.96	1.05	0.72	30.45	16.38	2.82
100	-30.62	-20.71	23.25	166.81	-26.27	-7.17	-26.24	176.94	1.06	0.71	30.12	16.49	2.97
200	-30.29	-34.84	23.12	154.48	-26.15	-12.31	-25.15	175.58	1.06	0.70	30.59	16.32	2.85
300	-29.76	-62.52	22.99	142.01	-26.22	-19.52	-24.40	173.32	1.06	0.69	30.28	16.23	3.03
400	-29.49	-78.68	22.85	129.82	-26.25	-25.91	-23.43	168.72	1.07	0.67	30.19	16.43	2.94
500	-29.30	-87.83	22.70	117.80	-26.12	-32.81	-22.70	161.97	1.07	0.67	29.89	16.42	2.93
600	-29.30	-107.61	22.52	105.86	-26.05	-39.52	-22.18	155.28	1.08	0.66	29.94	16.32	2.88
700	-28.43	-115.97	22.35	94.11	-26.04	-46.35	-21.41	145.36	1.08	0.65	30.37	16.24	2.95
800	-28.09	-128.80	22.15	82.42	-25.94	-52.56	-21.12	137.53	1.09	0.64	30.38	16.30	2.97
900	-27.00	-139.28	21.94	70.94	-25.93	-59.54	-20.82	129.35	1.10	0.63	30.61	16.34	2.94
1000	-26.68	-149.86	21.74	59.56	-25.89	-66.74	-20.41	120.32	1.10	0.62	30.74	16.25	2.92
1100	-25.69	-161.76	21.52	48.26	-25.89	-73.48	-20.10	111.61	1.11	0.60	30.70	15.99	2.93
1200	-25.28	-170.43	21.30	37.15	-25.79	-80.04	-19.84	103.28	1.12	0.59	30.55	15.68	2.97
1300	-24.48	179.12	21.05	26.05	-25.79	-87.26	-19.66	94.71	1.13	0.57	30.54	15.74	2.97
1400	-23.64	170.73	20.86	15.08	-25.69	-94.39	-19.43	87.05	1.14	0.57	30.19	15.78	3.03
1500	-22.76	161.52	20.64	4.21	-25.65	-101.01	-19.38	78.51	1.15	0.55	30.78	15.75	3.05
1600	-22.09	152.16	20.40	-6.46	-25.61	-108.09	-19.28	69.53	1.16	0.54	30.81	15.74	3.04
1700	-21.45	143.60	20.20	-17.17	-25.55	-114.75	-19.24	61.79	1.17	0.53	31.98	15.74	2.94
1800	-20.66	135.10	19.98	-27.76	-25.50	-121.94	-19.13	53.93	1.18	0.52	31.71	15.61	3.07
1900	-20.00	126.49	19.76	-38.24	-25.36	-129.05	-19.06	45.88	1.18	0.51	31.10	15.79	2.98
2000	-19.42	117.57	19.54	-48.73	-25.44	-136.54	-18.97	37.74	1.20	0.50	31.23	15.69	2.94
2100	-18.94	109.33	19.32	-59.10	-25.36	-143.51	-19.10	28.97	1.21	0.49	31.24	15.71	3.07
2200	-18.42	101.48	19.09	-69.33	-25.31	-150.98	-19.22	22.09	1.23	0.48	31.45	15.78	2.94
2300	-17.69	93.32	18.91	-79.60	-25.26	-158.09	-19.21	14.96	1.24	0.47	31.25	15.91	3.02
2400	-17.29	84.44	18.72	-89.87	-25.21	-165.52	-19.34	7.23	1.25	0.46	31.31	16.01	3.03
2500	-16.72	76.37	18.53	-99.99	-25.13	-172.37	-19.32	0.95	1.25	0.45	31.04	15.95	2.96
2600	-16.35	68.47	18.34	-110.05	-25.07	179.62	-19.38	-7.19	1.26	0.44	30.94	15.88	3.04
2700	-15.91	60.16	18.16	-120.12	-25.04	172.29	-19.52	-14.86	1.27	0.44	30.77	15.83	3.05
2800	-15.62	52.22	17.97	-130.09	-24.99	165.10	-19.71	-21.82	1.29	0.43	30.71	15.77	3.03
2900	-15.09	43.70	17.83	-140.15	-24.96	157.31	-19.81	-27.98	1.29	0.42	30.80	15.67	3.03
3000	-14.75	35.59	17.65	-150.01	-24.95	149.92	-19.93	-35.16	1.31	0.41	30.46	15.64	2.94
3100	-14.58	27.29	17.48	-159.93	-24.86	141.92	-20.12	-43.54	1.31	0.41	30.34	15.52	3.11
3200	-14.23	19.64	17.33	-169.77	-24.91	134.57	-20.33	-48.63	1.33	0.40	30.07	15.54	3.06
3300	-13.80	11.23	17.20	-179.63	-24.80	126.93	-20.43	-56.27	1.33	0.40	30.00	15.41	3.18
3400	-13.59	2.99	17.05	170.56	-24.76	118.71	-20.80	-63.60	1.34	0.39	29.95	15.25	3.17
3500	-13.37	-5.14	16.90	160.76	-24.79	111.12	-21.09	-70.77	1.36	0.38	29.70	15.02	3.16
3600	-13.16	-13.52	16.79	150.95	-24.70	103.75	-21.11	-77.38	1.36	0.38	29.31	14.94	3.31
3700	-13.01	-22.25	16.65	141.09	-24.67	94.88	-21.60	-86.21	1.37	0.38	29.27	14.70	3.17
3800	-12.87	-30.83	16.53	131.27	-24.66	87.55	-21.79	-93.31	1.38	0.37	28.89	14.65	3.39
4000	-12.48	-47.91	16.33	111.72	-24.61	71.37	-22.62	-108.65	1.39	0.37	28.24	14.02	3.29

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 40mA, Vd = 4.45V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-24.17	-8.25	22.87	173.09	-26.01	-3.80	-39.61	176.70	1.06	0.70	27.31	13.70	2.75
100	-23.86	-14.95	22.86	166.95	-26.03	-7.66	-39.34	-147.05	1.06	0.69	26.96	13.80	2.90
200	-23.68	-29.12	22.77	154.67	-25.86	-12.61	-33.66	-145.81	1.06	0.70	27.35	13.64	2.83
300	-23.56	-48.56	22.61	142.28	-25.70	-20.07	-30.51	-147.16	1.06	0.70	27.12	13.51	2.96
400	-23.62	-62.40	22.48	130.18	-25.79	-26.73	-27.54	-160.36	1.07	0.68	27.02	13.67	2.91
500	-23.80	-74.10	22.31	118.20	-25.63	-33.39	-26.09	-170.70	1.07	0.68	26.78	13.80	2.86
600	-24.32	-90.06	22.18	106.25	-25.62	-40.07	-24.88	179.99	1.07	0.67	26.86	13.66	2.84
700	-23.54	-100.53	22.00	94.54	-25.66	-47.30	-24.05	171.30	1.08	0.65	27.23	13.68	2.85
800	-23.47	-113.31	21.79	82.95	-25.54	-53.76	-23.22	159.68	1.08	0.65	27.24	13.71	2.93
900	-23.05	-125.66	21.64	71.44	-25.60	-60.49	-22.65	148.77	1.09	0.63	27.48	13.84	2.85
1000	-22.75	-136.49	21.42	60.08	-25.52	-67.38	-22.21	141.96	1.10	0.62	27.56	13.70	2.87
1100	-22.03	-149.21	21.24	48.76	-25.52	-74.36	-21.69	131.31	1.11	0.60	27.47	13.42	2.87
1200	-21.70	-158.77	20.99	37.75	-25.46	-81.46	-21.34	123.47	1.12	0.59	27.43	13.20	2.95
1300	-21.35	-170.45	20.77	26.57	-25.39	-88.34	-20.86	111.38	1.12	0.58	27.45	13.17	2.87
1400	-20.85	179.58	20.56	15.66	-25.33	-95.12	-20.54	103.20	1.13	0.57	27.22	13.20	2.98
1500	-20.37	168.63	20.37	4.73	-25.31	-102.74	-20.29	93.49	1.14	0.56	27.74	13.27	2.98
1600	-19.71	159.03	20.13	-5.97	-25.31	-109.25	-20.16	84.38	1.15	0.54	27.82	13.32	2.97
1700	-19.30	149.53	19.92	-16.67	-25.22	-116.61	-20.00	76.33	1.16	0.53	28.69	13.33	2.85
1800	-18.78	139.83	19.73	-27.36	-25.18	-123.74	-19.79	67.39	1.17	0.52	28.58	13.18	3.01
1900	-18.17	130.67	19.51	-37.84	-25.20	-130.78	-19.73	60.79	1.19	0.51	28.17	13.29	2.93
2000	-17.64	121.48	19.32	-48.36	-25.17	-138.16	-19.55	51.91	1.19	0.50	28.33	13.28	2.86
2100	-17.22	112.88	19.07	-58.71	-25.08	-144.93	-19.64	44.21	1.20	0.49	28.38	13.35	2.99
2200	-16.85	104.28	18.87	-68.98	-25.04	-152.63	-19.67	34.73	1.22	0.48	28.64	13.56	2.87
2300	-16.31	95.42	18.66	-79.22	-24.97	-160.02	-19.52	27.77	1.22	0.47	28.67	13.62	2.97
2400	-15.99	86.24	18.49	-89.55	-24.90	-167.23	-19.66	19.31	1.23	0.46	28.83	13.62	2.91
2500	-15.47	77.83	18.31	-99.70	-24.99	-174.57	-19.55	14.29	1.25	0.45	28.58	13.84	2.91
2600	-15.10	69.79	18.13	-109.80	-24.89	178.21	-19.56	6.08	1.25	0.44	28.56	13.81	2.94
2700	-14.73	61.14	17.93	-119.84	-24.82	170.52	-19.66	-1.06	1.26	0.43	28.44	13.76	2.96
2800	-14.48	52.83	17.75	-129.88	-24.84	162.63	-19.75	-9.74	1.28	0.42	28.41	13.63	2.92
2900	-14.09	44.08	17.60	-139.95	-24.77	155.00	-19.76	-16.18	1.29	0.42	28.42	13.61	2.97
3000	-13.83	35.73	17.45	-149.90	-24.70	147.70	-19.86	-23.77	1.29	0.41	28.27	13.66	2.89
3100	-13.55	27.27	17.27	-159.80	-24.73	140.12	-20.03	-31.00	1.31	0.40	28.24	13.74	3.09
3200	-13.31	19.27	17.11	-169.64	-24.68	132.57	-20.13	-37.19	1.32	0.40	28.27	13.81	3.02
3300	-13.00	10.73	17.00	-179.54	-24.67	124.68	-20.19	-44.94	1.32	0.39	28.34	13.86	3.12
3400	-12.82	2.21	16.84	170.67	-24.63	116.93	-20.46	-51.79	1.34	0.39	28.22	13.72	3.08
3500	-12.57	-5.91	16.71	160.80	-24.64	108.94	-20.66	-58.08	1.35	0.38	28.15	13.54	3.07
3600	-12.32	-14.53	16.59	150.95	-24.56	101.36	-20.63	-64.91	1.35	0.38	27.75	13.55	3.19
3700	-12.19	-23.36	16.44	141.14	-24.58	92.97	-21.09	-73.49	1.37	0.37	27.55	13.39	3.09
3800	-12.12	-31.92	16.32	131.29	-24.55	84.81	-21.35	-81.22	1.38	0.37	27.30	13.36	3.31
4000	-11.75	-49.37	16.14	111.64	-24.53	68.81	-21.94	-95.35	1.39	0.36	27.00	12.88	3.15

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 60mA, Vd = 4.53V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-44.00	-15.31	23.48	173.04	-26.05	-4.62	-22.32	175.75	1.04	0.74	32.91	18.03	2.86
100	-41.86	-31.86	23.47	166.77	-26.28	-7.27	-22.53	173.77	1.05	0.72	32.55	18.01	3.05
200	-41.33	-63.32	23.36	154.37	-26.34	-13.07	-22.04	169.64	1.05	0.71	33.08	17.92	2.88
300	-35.81	-95.47	23.24	141.88	-26.47	-20.24	-21.55	164.91	1.06	0.69	32.73	17.92	3.12
400	-34.57	-115.92	23.08	129.66	-26.41	-25.61	-20.98	159.64	1.07	0.68	32.60	18.00	2.98
500	-34.40	-117.44	22.92	117.62	-26.44	-32.16	-20.52	152.33	1.08	0.67	32.27	17.93	3.03
600	-33.48	-142.31	22.73	105.65	-26.29	-38.85	-20.17	144.95	1.08	0.66	32.36	17.74	2.90
700	-32.45	-146.77	22.54	93.93	-26.22	-45.53	-19.86	136.99	1.08	0.65	32.74	17.73	3.02
800	-31.53	-153.99	22.35	82.20	-26.20	-52.83	-19.54	128.56	1.09	0.64	32.81	17.77	2.99
900	-30.39	-161.23	22.14	70.71	-26.16	-59.31	-19.36	120.01	1.10	0.63	33.00	17.78	3.00
1000	-29.71	-169.95	21.92	59.35	-26.12	-65.48	-19.16	111.85	1.11	0.61	33.19	17.77	2.95
1100	-28.42	-179.44	21.72	48.05	-26.02	-72.94	-18.89	103.12	1.11	0.61	32.97	17.59	3.00
1200	-27.83	175.03	21.48	36.93	-26.06	-79.70	-18.78	94.89	1.13	0.59	32.80	17.45	3.01
1300	-26.83	165.62	21.26	25.84	-25.98	-86.21	-18.63	86.34	1.13	0.58	32.76	17.55	3.02
1400	-25.71	161.04	21.04	14.89	-25.85	-93.16	-18.52	78.97	1.14	0.57	32.28	17.49	3.09
1500	-24.70	152.66	20.81	4.04	-25.85	-100.21	-18.47	70.21	1.15	0.55	32.85	17.43	3.10
1600	-23.89	144.44	20.58	-6.66	-25.83	-106.80	-18.39	61.49	1.17	0.54	32.89	17.47	3.10
1700	-23.13	137.16	20.36	-17.29	-25.75	-114.12	-18.49	54.23	1.17	0.53	34.29	17.44	2.98
1800	-22.26	129.47	20.13	-27.86	-25.67	-121.01	-18.41	46.23	1.18	0.52	33.98	17.32	3.12
1900	-21.42	121.71	19.90	-38.33	-25.61	-127.99	-18.48	38.69	1.20	0.51	33.20	17.41	3.05
2000	-20.78	113.39	19.71	-48.80	-25.57	-135.64	-18.34	30.47	1.20	0.50	33.16	17.39	3.01
2100	-20.15	106.07	19.48	-59.11	-25.52	-142.23	-18.53	22.23	1.22	0.49	32.87	17.34	3.13
2200	-19.63	98.68	19.27	-69.38	-25.45	-149.38	-18.63	14.45	1.23	0.48	32.84	17.33	3.01
2300	-18.73	91.20	19.05	-79.61	-25.42	-157.16	-18.68	7.43	1.24	0.47	32.63	17.29	3.08
2400	-18.29	82.60	18.86	-89.85	-25.36	-164.19	-18.90	-0.06	1.25	0.46	32.76	17.27	3.07
2500	-17.65	74.82	18.67	-99.93	-25.27	-171.36	-18.93	-6.28	1.26	0.45	32.38	17.02	3.00
2600	-17.28	67.21	18.49	-109.98	-25.25	-178.84	-19.01	-14.31	1.27	0.44	32.24	17.02	3.13
2700	-16.77	59.37	18.31	-120.03	-25.20	173.83	-19.21	-21.89	1.28	0.44	31.99	16.92	3.08
2800	-16.46	51.59	18.12	-130.01	-25.11	166.14	-19.34	-29.23	1.29	0.43	31.89	16.76	3.09
2900	-15.84	43.27	17.96	-140.02	-25.08	158.90	-19.52	-35.51	1.30	0.42	31.66	16.66	3.10
3000	-15.51	35.43	17.80	-149.90	-25.02	151.09	-19.67	-42.81	1.30	0.42	31.66	16.58	3.05
3100	-15.30	27.13	17.63	-159.77	-24.99	143.56	-19.90	-50.43	1.32	0.41	31.23	16.34	3.17
3200	-14.87	19.69	17.48	-169.56	-24.97	135.98	-20.14	-56.92	1.33	0.40	31.00	16.30	3.14
3300	-14.49	11.47	17.34	-179.43	-24.93	128.42	-20.30	-63.48	1.33	0.40	30.82	16.15	3.23
3400	-14.26	3.15	17.18	170.79	-24.87	120.36	-20.65	-71.60	1.34	0.40	30.55	16.02	3.24
3500	-14.03	-4.56	17.03	161.01	-24.86	112.59	-20.96	-78.20	1.36	0.39	30.48	15.79	3.23
3600	-13.73	-12.98	16.94	151.22	-24.75	105.21	-21.01	-85.49	1.35	0.39	30.13	15.67	3.38
3700	-13.58	-21.43	16.80	141.43	-24.78	96.89	-21.49	-93.90	1.37	0.38	30.07	15.44	3.23
3800	-13.40	-29.86	16.68	131.58	-24.74	88.96	-21.70	-101.78	1.38	0.38	29.62	15.27	3.47
4000	-13.03	-46.87	16.48	112.11	-24.68	72.74	-22.53	-117.44	1.39	0.37	28.94	14.68	3.36

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 50mA, Vd = 4.73V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-30.24	-11.65	23.31	172.96	-26.03	-3.41	-26.1	-179.62	1.05	0.73	31.03	16.42	2.54
100	-27.92	-16.2	23.32	166.6	-26.44	-6.52	-27.87	179.4	1.06	0.7	30.61	16.41	2.67
200	-27.23	-31.43	23.21	153.98	-26.12	-13.45	-27.6	175.98	1.05	0.71	31.04	16.23	2.51
300	-29.34	-59.04	23.1	141.23	-26.18	-20.57	-24.48	170.17	1.06	0.7	30.95	16.29	2.61
400	-29.62	-76.00	22.96	128.70	-26.17	-27.31	-23.21	168.07	1.06	0.69	30.95	16.43	2.56
500	-29.05	-88.38	22.83	116.40	-26.09	-34.65	-22.51	157.82	1.06	0.68	30.70	16.43	2.53
600	-29.60	-112.92	22.63	104.11	-26.08	-41.89	-21.72	149.21	1.07	0.67	30.76	16.33	2.48
700	-29.17	-120.52	22.46	92.11	-26.04	-48.80	-21.03	141.73	1.08	0.66	31.20	16.32	2.55
800	-28.06	-129.98	22.29	80.05	-26.01	-56.06	-20.81	133.52	1.08	0.65	31.26	16.33	2.56
900	-26.98	-141.63	22.09	68.31	-25.91	-62.78	-20.67	124.45	1.09	0.64	31.49	16.33	2.50
1000	-26.74	-151.28	21.87	56.54	-25.87	-70.46	-20.33	115.80	1.09	0.63	31.61	16.26	2.51
1100	-25.88	-161.11	21.67	44.94	-25.83	-77.98	-20.19	107.52	1.10	0.61	31.58	15.94	2.49
1200	-25.84	-171.21	21.47	33.47	-25.80	-84.61	-19.74	98.26	1.11	0.60	31.56	15.74	2.55
1300	-25.18	177.18	21.24	22.03	-25.73	-92.15	-19.44	89.47	1.12	0.59	31.47	15.83	2.54
1400	-24.53	167.88	21.04	10.72	-25.67	-99.55	-19.08	80.35	1.13	0.58	31.26	15.86	2.60
1500	-23.85	156.34	20.81	-0.48	-25.62	-107.27	-18.89	70.90	1.14	0.57	31.89	15.78	2.62
1600	-22.88	147.42	20.60	-11.56	-25.56	-114.19	-18.95	62.99	1.14	0.56	31.86	15.80	2.58
1700	-22.23	138.27	20.39	-22.58	-25.56	-121.98	-18.92	53.18	1.16	0.54	33.01	15.86	2.48
1800	-21.49	128.56	20.16	-33.50	-25.46	-129.62	-18.79	44.01	1.16	0.53	32.97	15.73	2.61
1900	-20.87	119.38	19.95	-44.35	-25.45	-136.79	-18.79	35.04	1.18	0.52	32.42	15.85	2.53
2000	-20.06	110.40	19.74	-55.15	-25.33	-144.22	-18.77	26.61	1.18	0.52	32.53	15.80	2.49
2100	-19.68	101.22	19.53	-65.87	-25.30	-152.19	-18.71	16.05	1.19	0.50	32.55	15.79	2.58
2200	-19.18	93.34	19.31	-76.47	-25.31	-159.16	-18.56	8.70	1.21	0.49	32.74	15.99	2.49
2300	-18.48	85.07	19.13	-87.08	-25.25	-167.03	-18.48	1.21	1.22	0.48	32.77	16.13	2.55
2400	-18.18	76.24	18.93	-97.66	-25.17	-174.77	-18.53	-7.01	1.23	0.47	32.79	16.25	2.52
2500	-17.66	68.52	18.74	-108.10	-25.14	177.56	-18.46	-13.10	1.24	0.46	32.61	16.23	2.48
2600	-17.22	61.07	18.56	-118.52	-25.06	169.89	-18.59	-19.62	1.24	0.46	32.58	16.16	2.56
2700	-16.80	52.72	18.39	-128.87	-24.96	161.67	-18.77	-28.17	1.25	0.45	32.29	16.16	2.55
2800	-16.48	44.35	18.20	-139.28	-25.06	154.18	-18.81	-35.73	1.27	0.44	32.39	16.05	2.51
2900	-15.85	35.68	18.07	-149.58	-24.97	145.97	-18.92	-41.97	1.27	0.43	32.26	16.00	2.54
3000	-15.48	27.40	17.89	-159.81	-24.86	138.11	-19.20	-49.95	1.28	0.43	32.20	15.99	2.46
3100	-15.22	18.85	17.74	-170.13	-24.84	130.03	-19.44	-57.64	1.29	0.42	32.07	16.00	2.61
3200	-14.89	10.81	17.58	179.71	-24.80	122.02	-19.70	-65.14	1.30	0.42	31.81	16.03	2.66
3300	-14.51	1.83	17.47	169.54	-24.78	114.31	-19.88	-74.62	1.30	0.41	31.93	16.02	2.65
3400	-14.33	-7.48	17.30	159.36	-24.73	105.50	-20.07	-83.91	1.31	0.41	31.65	15.90	2.65
3500	-14.11	-16.11	17.17	149.11	-24.67	97.06	-20.14	-91.94	1.32	0.40	31.71	15.72	2.64
3600	-13.80	-24.58	17.06	138.99	-24.66	89.35	-20.24	-98.51	1.33	0.40	31.29	15.72	2.73
3700	-13.58	-33.98	16.93	128.80	-24.64	81.01	-20.64	-107.54	1.34	0.39	30.94	15.43	2.65
3800	-13.37	-42.21	16.82	118.70	-24.57	72.82	-20.91	-116.18	1.34	0.39	30.77	15.43	2.82
4000	-13.01	-59.42	16.62	98.48	-24.57	55.60	-21.57	-133.13	1.36	0.38	30.13	14.80	2.72

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 40mA, Vd = 4.69V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-23.53	-8.71	22.96	172.96	-25.80	-2.46	-37.59	-166.58	1.05	0.72	27.60	13.68	2.45
100	-23.26	-15.45	22.98	166.69	-25.77	-6.75	-39.22	-144.14	1.05	0.72	27.22	13.71	2.62
200	-22.84	-28.53	22.89	154.13	-25.95	-13.74	-36.33	-128.11	1.06	0.70	27.53	13.56	2.48
300	-23.77	-48.32	22.79	141.46	-25.94	-20.25	-29.68	-163.58	1.06	0.69	27.51	13.58	2.58
400	-24.39	-62.94	22.65	129.04	-25.78	-28.13	-26.94	-165.96	1.06	0.70	27.49	13.85	2.56
500	-23.96	-75.33	22.50	116.74	-25.84	-34.87	-25.71	180.00	1.07	0.68	27.28	13.70	2.49
600	-24.87	-94.12	22.32	104.55	-25.75	-42.21	-24.39	168.65	1.07	0.67	27.37	13.62	2.48
700	-24.59	-104.78	22.18	92.48	-25.66	-49.47	-23.31	161.03	1.07	0.67	27.79	13.63	2.49
800	-23.87	-115.69	21.99	80.48	-25.69	-56.78	-22.81	151.74	1.08	0.65	27.76	13.80	2.55
900	-23.49	-129.09	21.79	68.72	-25.63	-63.71	-22.47	141.81	1.09	0.64	28.00	13.74	2.45
1000	-23.17	-139.57	21.61	56.98	-25.57	-71.23	-21.93	132.43	1.09	0.63	28.10	13.66	2.47
1100	-22.68	-151.20	21.43	45.34	-25.54	-78.41	-21.66	124.73	1.10	0.62	28.03	13.34	2.44
1200	-22.48	-161.22	21.21	33.89	-25.55	-85.97	-21.05	113.88	1.11	0.60	28.02	13.46	2.55
1300	-22.23	-173.34	20.99	22.48	-25.45	-93.10	-20.57	104.33	1.12	0.59	28.06	13.20	2.46
1400	-21.65	176.59	20.79	11.16	-25.40	-100.81	-20.10	93.66	1.12	0.58	27.94	13.20	2.57
1500	-21.37	164.00	20.57	-0.06	-25.36	-108.10	-19.81	83.62	1.13	0.57	28.44	13.21	2.57
1600	-20.60	154.45	20.35	-11.13	-25.32	-115.82	-19.82	75.97	1.14	0.56	28.49	13.10	2.54
1700	-20.08	144.49	20.16	-22.17	-25.27	-123.16	-19.78	65.67	1.15	0.55	29.26	13.24	2.43
1800	-19.66	133.64	19.94	-33.13	-25.23	-130.71	-19.55	55.93	1.16	0.53	29.18	13.19	2.57
1900	-19.05	124.04	19.73	-44.02	-25.15	-138.06	-19.51	46.79	1.17	0.52	28.90	13.26	2.49
2000	-18.49	114.15	19.54	-54.88	-25.12	-145.36	-19.44	38.13	1.18	0.51	29.07	13.26	2.43
2100	-18.04	105.04	19.33	-65.63	-25.08	-153.04	-19.36	27.44	1.19	0.50	29.19	13.20	2.54
2200	-17.70	96.35	19.10	-76.19	-25.05	-161.11	-19.18	19.62	1.20	0.49	29.40	13.51	2.42
2300	-17.06	87.80	18.91	-86.80	-25.02	-169.12	-18.96	11.31	1.21	0.48	29.55	13.71	2.51
2400	-16.92	78.34	18.72	-97.44	-24.90	-176.67	-18.97	3.55	1.21	0.47	29.83	13.88	2.45
2500	-16.39	70.14	18.54	-107.90	-24.92	176.46	-18.76	-2.79	1.23	0.46	29.64	13.81	2.45
2600	-16.12	62.33	18.38	-118.36	-24.92	167.98	-18.89	-9.23	1.24	0.45	29.64	13.85	2.48
2700	-15.62	53.67	18.20	-128.76	-24.80	159.96	-18.99	-17.93	1.24	0.45	29.51	13.70	2.52
2800	-15.39	44.96	18.02	-139.15	-24.81	151.93	-18.97	-25.37	1.26	0.44	29.39	13.73	2.47
2900	-14.80	36.05	17.87	-149.47	-24.77	144.21	-19.01	-32.14	1.26	0.43	29.50	13.72	2.51
3000	-14.55	27.46	17.70	-159.73	-24.64	136.20	-19.22	-39.93	1.26	0.43	29.49	13.73	2.41
3100	-14.32	18.74	17.56	-170.00	-24.62	128.17	-19.44	-47.35	1.27	0.42	29.53	13.83	2.57
3200	-13.97	10.47	17.40	179.82	-24.63	119.90	-19.66	-55.15	1.29	0.41	29.50	13.98	2.58
3300	-13.73	1.44	17.27	169.56	-24.63	112.22	-19.83	-64.39	1.30	0.41	29.76	14.12	2.60
3400	-13.51	-7.85	17.12	159.36	-24.58	103.81	-20.03	-73.88	1.31	0.40	29.78	13.95	2.60
3500	-13.34	-16.66	16.99	149.11	-24.57	95.50	-20.04	-81.37	1.32	0.40	29.51	13.81	2.61
3600	-13.01	-25.46	16.88	138.98	-24.51	87.27	-20.09	-88.44	1.32	0.40	29.28	13.91	2.70
3700	-12.84	-34.72	16.75	128.76	-24.50	78.89	-20.50	-97.17	1.33	0.39	29.10	13.81	2.62
3800	-12.63	-43.17	16.62	118.59	-24.42	70.70	-20.75	-106.06	1.33	0.39	28.64	13.76	2.77
4000	-12.36	-60.59	16.45	98.39	-24.43	54.09	-21.38	-121.90	1.35	0.38	28.24	13.39	2.66

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 60mA, Vd = 4.77V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-36.03	-8.29	23.53	172.93	-26.63	-2.78	-23.04	176.34	1.06	0.70	33.66	18.23	2.53
100	-32.41	-19.05	23.54	166.54	-26.21	-6.70	-24.07	176.36	1.04	0.73	33.26	18.20	2.71
200	-31.61	-34.93	23.42	153.89	-26.47	-13.56	-23.76	168.46	1.06	0.70	33.76	18.05	2.53
300	-35.08	-83.73	23.31	141.14	-26.41	-20.42	-21.81	163.10	1.06	0.70	33.60	18.14	2.68
400	-34.87	-105.02	23.17	128.59	-26.39	-27.60	-20.96	159.08	1.06	0.69	33.52	18.23	2.60
500	-34.02	-115.98	23.02	116.23	-26.34	-34.23	-20.69	150.45	1.07	0.68	33.33	18.15	2.60
600	-33.02	-143.78	22.82	103.96	-26.30	-41.17	-19.98	141.41	1.07	0.67	33.38	18.00	2.51
700	-32.65	-148.28	22.65	91.94	-26.25	-48.18	-19.56	134.20	1.08	0.66	33.79	18.06	2.59
800	-31.65	-155.07	22.48	79.92	-26.13	-55.45	-19.56	126.21	1.08	0.66	33.91	18.06	2.60
900	-29.74	-160.17	22.26	68.09	-26.13	-62.62	-19.34	116.28	1.09	0.64	34.22	18.08	2.54
1000	-29.54	-168.15	22.06	56.37	-26.03	-70.03	-19.22	108.31	1.09	0.63	34.39	17.99	2.53
1100	-28.39	-174.45	21.85	44.74	-26.00	-76.97	-19.01	99.30	1.10	0.62	34.33	17.82	2.55
1200	-28.45	174.47	21.63	33.29	-26.03	-84.15	-18.76	90.70	1.12	0.60	34.16	17.65	2.58
1300	-27.62	164.62	21.40	21.85	-25.98	-91.73	-18.50	82.01	1.12	0.59	34.17	17.81	2.56
1400	-26.86	156.73	21.20	10.59	-25.89	-98.71	-18.29	73.62	1.13	0.58	33.82	17.71	2.62
1500	-25.70	147.56	20.97	-0.63	-25.81	-106.22	-18.11	64.26	1.14	0.57	34.41	17.68	2.65
1600	-24.70	139.59	20.75	-11.65	-25.75	-113.30	-18.21	55.81	1.15	0.56	34.51	17.71	2.62
1700	-24.02	131.49	20.54	-22.67	-25.68	-120.77	-18.31	46.97	1.16	0.55	35.90	17.68	2.52
1800	-22.92	122.84	20.30	-33.58	-25.67	-128.51	-18.15	37.41	1.17	0.53	35.90	17.57	2.64
1900	-22.19	114.44	20.09	-44.41	-25.63	-135.93	-18.19	29.15	1.18	0.52	35.14	17.65	2.58
2000	-21.22	106.46	19.89	-55.23	-25.54	-143.07	-18.15	20.07	1.19	0.51	35.14	17.60	2.54
2100	-20.91	97.54	19.68	-65.91	-25.49	-150.67	-18.14	10.09	1.20	0.50	35.06	17.59	2.64
2200	-20.35	90.10	19.45	-76.48	-25.44	-158.18	-18.05	2.42	1.21	0.49	35.21	17.68	2.51
2300	-19.59	82.68	19.26	-87.03	-25.39	-166.21	-18.03	-4.29	1.22	0.48	34.93	17.56	2.58
2400	-19.16	74.35	19.06	-97.65	-25.36	-173.68	-18.07	-12.62	1.23	0.47	35.01	17.79	2.57
2500	-18.56	66.88	18.88	-108.06	-25.20	178.56	-18.11	-18.49	1.23	0.47	34.54	17.63	2.53
2600	-18.11	60.05	18.69	-118.44	-25.17	170.96	-18.23	-25.86	1.24	0.46	34.47	17.67	2.58
2700	-17.69	51.65	18.52	-128.79	-25.17	162.87	-18.44	-34.08	1.26	0.45	34.17	17.51	2.60
2800	-17.35	43.49	18.33	-139.13	-25.11	155.50	-18.49	-41.80	1.27	0.44	33.98	17.38	2.59
2900	-16.68	35.10	18.21	-149.48	-24.98	147.31	-18.70	-47.60	1.27	0.44	33.84	17.31	2.59
3000	-16.15	27.04	18.03	-159.66	-24.97	139.27	-18.98	-55.87	1.28	0.43	33.62	17.21	2.52
3100	-15.99	18.66	17.86	-169.94	-24.94	131.14	-19.23	-63.99	1.29	0.43	33.47	17.08	2.63
3200	-15.60	10.91	17.72	179.94	-24.94	123.46	-19.48	-71.35	1.30	0.42	32.94	17.05	2.67
3300	-15.20	2.01	17.59	169.73	-24.80	115.43	-19.70	-80.41	1.30	0.42	32.83	16.85	2.69
3400	-14.92	-7.24	17.43	159.59	-24.78	106.95	-19.88	-89.99	1.31	0.41	33.01	16.75	2.70
3500	-14.68	-15.80	17.30	149.39	-24.78	99.12	-19.92	-97.94	1.32	0.40	32.75	16.56	2.69
3600	-14.35	-24.18	17.19	139.30	-24.69	90.86	-20.04	-104.95	1.32	0.40	32.40	16.54	2.78
3700	-14.17	-33.25	17.06	129.12	-24.75	82.41	-20.48	-114.33	1.34	0.39	32.29	16.27	2.72
3800	-13.95	-41.52	16.95	119.01	-24.67	73.88	-20.77	-122.24	1.35	0.39	31.77	16.22	2.90
4000	-13.49	-58.37	16.74	98.79	-24.60	57.44	-21.39	-140.32	1.36	0.39	31.04	15.61	2.78

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 50mA, Vd = 4.31V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-30.43	-11.12	23.05	173.15	-26.53	-5.89	-27.40	174.26	1.08	0.67	30.15	16.38	3.14
100	-30.84	-19.44	23.05	167.05	-26.30	-5.82	-26.82	174.71	1.07	0.69	29.84	16.44	3.35
200	-32.57	-38.13	22.95	154.86	-26.16	-12.05	-24.71	176.54	1.06	0.69	30.38	16.29	3.19
300	-29.29	-62.51	22.82	142.63	-26.10	-18.47	-24.55	179.03	1.07	0.68	29.99	16.27	3.38
400	-27.87	-73.78	22.68	130.65	-26.04	-25.28	-24.35	176.18	1.07	0.68	29.78	16.32	3.32
500	-27.45	-83.99	22.49	118.84	-25.90	-31.23	-23.74	169.14	1.07	0.67	29.50	16.30	3.34
600	-27.88	-102.08	22.31	107.16	-25.90	-37.64	-23.04	164.00	1.08	0.66	29.51	16.23	3.28
700	-26.76	-108.02	22.13	95.68	-25.94	-44.09	-22.45	155.48	1.09	0.64	29.84	16.16	3.33
800	-25.62	-116.47	21.94	84.21	-25.82	-50.76	-22.25	148.83	1.09	0.64	29.77	16.14	3.34
900	-25.20	-127.57	21.74	73.00	-25.82	-56.96	-21.94	140.67	1.10	0.62	30.05	16.19	3.34
1000	-24.89	-138.09	21.51	61.81	-25.72	-63.35	-21.50	132.17	1.11	0.61	30.09	16.13	3.30
1100	-24.00	-149.62	21.32	50.72	-25.70	-70.07	-21.14	123.21	1.11	0.60	29.99	15.86	3.35
1200	-23.44	-158.34	21.09	39.90	-25.70	-76.59	-20.92	114.61	1.13	0.58	29.82	15.58	3.40
1300	-22.83	-169.64	20.87	28.97	-25.65	-83.44	-20.64	105.53	1.14	0.57	29.81	15.66	3.34
1400	-22.12	-178.94	20.63	18.29	-25.59	-90.17	-20.37	97.58	1.15	0.56	29.40	15.70	3.44
1500	-21.62	169.74	20.41	7.66	-25.49	-96.82	-20.23	88.69	1.15	0.55	29.94	15.66	3.47
1600	-20.84	159.99	20.19	-2.85	-25.52	-103.08	-20.03	79.04	1.17	0.53	30.01	15.65	3.45
1700	-20.31	150.48	19.96	-13.28	-25.49	-109.93	-19.89	71.38	1.18	0.52	31.22	15.72	3.33
1800	-19.77	140.86	19.73	-23.63	-25.37	-117.17	-19.70	63.35	1.19	0.51	30.98	15.59	3.51
1900	-19.14	131.68	19.50	-33.87	-25.28	-123.84	-19.62	55.06	1.20	0.50	30.29	15.72	3.42
2000	-18.56	122.71	19.30	-44.12	-25.29	-130.84	-19.45	46.92	1.21	0.49	30.31	15.67	3.37
2100	-18.01	114.73	19.08	-54.24	-25.28	-137.37	-19.60	38.43	1.23	0.48	30.28	15.58	3.52
2200	-17.49	106.65	18.86	-64.29	-25.19	-144.16	-19.62	31.44	1.23	0.47	30.18	15.56	3.38
2300	-16.79	98.36	18.64	-74.27	-25.16	-151.73	-19.63	24.83	1.25	0.46	29.99	15.64	3.47
2400	-16.47	89.55	18.44	-84.27	-25.13	-158.47	-19.79	17.66	1.26	0.45	29.99	15.75	3.43
2500	-15.88	81.32	18.24	-94.12	-25.05	-165.65	-19.78	11.45	1.27	0.44	29.69	15.51	3.38
2600	-15.56	73.74	18.07	-103.93	-25.00	-172.33	-19.85	3.70	1.28	0.43	29.61	15.49	3.49
2700	-15.11	65.77	17.87	-113.75	-24.99	179.70	-19.94	-3.47	1.29	0.42	29.37	15.34	3.47
2800	-14.79	58.11	17.68	-123.53	-24.98	173.03	-20.08	-10.42	1.31	0.41	29.29	15.18	3.48
2900	-14.29	49.50	17.52	-133.28	-24.86	165.75	-20.17	-15.44	1.31	0.41	29.38	15.11	3.51
3000	-14.02	41.67	17.34	-142.91	-24.85	158.55	-20.35	-21.92	1.32	0.40	29.02	15.04	3.42
3100	-13.72	33.48	17.18	-152.54	-24.80	151.05	-20.62	-29.54	1.33	0.40	28.78	14.86	3.59
3200	-13.40	26.10	17.00	-162.15	-24.82	143.58	-20.81	-33.88	1.35	0.39	28.39	14.85	3.50
3300	-13.04	18.37	16.86	-171.69	-24.73	136.65	-20.97	-40.41	1.35	0.39	28.33	14.78	3.65
3400	-12.86	10.52	16.70	178.74	-24.76	128.63	-21.29	-47.05	1.37	0.38	28.04	14.47	3.64
3500	-12.67	2.93	16.56	169.16	-24.74	121.11	-21.61	-53.55	1.38	0.37	27.98	14.23	3.62
3600	-12.44	-5.17	16.45	159.63	-24.66	113.86	-21.69	-59.12	1.38	0.37	27.40	14.10	3.77
3700	-12.28	-13.42	16.30	150.10	-24.60	106.03	-22.19	-67.55	1.39	0.37	27.32	13.86	3.64
3800	-12.20	-21.98	16.17	140.47	-24.57	98.27	-22.38	-74.32	1.40	0.36	27.02	13.81	3.90
4000	-11.99	-38.83	15.97	121.44	-24.55	83.12	-23.26	-89.06	1.42	0.36	26.47	13.19	3.76

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 40mA, Vd = 4.27V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-23.30	-5.49	22.67	173.22	-25.93	-4.62	-50.87	76.05	1.07	0.69	27.17	13.64	3.09
100	-23.36	-15.86	22.65	167.13	-25.79	-6.68	-45.72	-92.21	1.06	0.70	26.85	13.95	3.22
200	-24.34	-30.21	22.52	155.11	-25.83	-12.30	-33.30	-139.84	1.07	0.68	27.33	13.88	3.18
300	-23.42	-48.41	22.39	142.92	-25.62	-19.68	-29.92	-129.91	1.06	0.69	27.01	13.77	3.30
400	-22.82	-62.15	22.25	130.99	-25.55	-25.30	-28.03	-141.15	1.07	0.68	26.85	13.86	3.28
500	-22.45	-72.45	22.12	119.26	-25.54	-31.77	-26.71	-153.72	1.07	0.67	26.53	13.83	3.27
600	-22.55	-86.40	21.96	107.60	-25.51	-38.63	-25.30	-163.28	1.08	0.66	26.60	13.73	3.22
700	-21.85	-95.95	21.75	96.17	-25.52	-44.80	-24.46	-170.24	1.08	0.64	26.94	13.69	3.27
800	-21.51	-107.08	21.59	84.74	-25.43	-51.75	-23.89	177.97	1.09	0.64	26.88	13.76	3.33
900	-21.19	-118.52	21.40	73.53	-25.39	-57.98	-23.25	167.02	1.09	0.63	27.12	13.82	3.26
1000	-20.93	-129.10	21.18	62.42	-25.39	-64.77	-22.79	159.93	1.10	0.61	27.20	13.71	3.29
1100	-20.65	-141.34	20.97	51.42	-25.34	-71.04	-22.33	148.94	1.11	0.60	27.13	13.41	3.27
1200	-20.38	-151.15	20.75	40.54	-25.36	-77.58	-21.95	140.25	1.12	0.58	27.03	13.07	3.35
1300	-20.12	-163.03	20.53	29.64	-25.30	-84.76	-21.61	126.92	1.13	0.57	27.00	13.23	3.30
1400	-19.45	-172.72	20.34	18.89	-25.21	-91.34	-21.20	117.68	1.14	0.56	26.76	13.26	3.41
1500	-19.01	176.18	20.14	8.23	-25.21	-98.46	-20.95	107.29	1.15	0.55	27.28	13.26	3.41
1600	-18.70	165.09	19.89	-2.24	-25.17	-104.77	-20.78	97.30	1.16	0.53	27.32	13.27	3.43
1700	-18.16	155.44	19.69	-12.71	-25.14	-112.01	-20.58	88.85	1.17	0.52	28.35	13.29	3.28
1800	-17.70	145.52	19.47	-23.12	-25.07	-118.72	-20.29	79.24	1.18	0.51	28.17	13.21	3.46
1900	-17.16	135.95	19.24	-33.36	-25.02	-125.45	-20.15	72.40	1.19	0.50	27.70	13.25	3.38
2000	-16.87	126.24	19.03	-43.59	-24.95	-132.30	-19.90	63.53	1.20	0.49	27.83	13.28	3.31
2100	-16.49	117.33	18.80	-53.75	-24.94	-139.13	-20.01	55.58	1.21	0.48	27.92	13.35	3.45
2200	-16.09	109.19	18.59	-63.82	-24.86	-146.59	-20.02	46.44	1.22	0.47	28.05	13.51	3.30
2300	-15.43	100.41	18.40	-73.85	-24.87	-153.68	-19.85	39.36	1.23	0.46	27.98	13.62	3.39
2400	-15.11	91.36	18.21	-83.90	-24.83	-160.78	-19.98	31.38	1.24	0.45	28.13	13.81	3.40
2500	-14.58	83.03	18.01	-93.75	-24.77	-167.56	-19.86	26.73	1.25	0.44	27.97	13.69	3.35
2600	-14.40	74.86	17.81	-103.61	-24.80	-174.58	-19.85	18.73	1.27	0.43	27.78	13.65	3.42
2700	-14.05	66.61	17.63	-113.42	-24.70	177.94	-19.90	11.79	1.28	0.42	27.53	13.57	3.41
2800	-13.82	58.55	17.43	-123.18	-24.71	170.68	-20.00	3.52	1.29	0.41	27.58	13.44	3.43
2900	-13.31	50.00	17.29	-133.04	-24.66	163.77	-19.98	-2.18	1.30	0.41	27.66	13.49	3.46
3000	-13.00	41.92	17.13	-142.68	-24.60	156.01	-20.07	-9.13	1.30	0.40	27.46	13.44	3.33
3100	-12.85	33.57	16.92	-152.26	-24.64	148.68	-20.26	-15.59	1.33	0.39	27.33	13.49	3.52
3200	-12.54	26.06	16.79	-161.96	-24.65	141.35	-20.32	-21.25	1.34	0.38	27.23	13.57	3.39
3300	-12.19	18.03	16.65	-171.56	-24.55	134.02	-20.44	-28.12	1.34	0.38	27.09	13.44	3.60
3400	-12.01	9.88	16.50	178.93	-24.56	126.59	-20.64	-33.63	1.35	0.38	26.97	13.28	3.56
3500	-11.86	2.10	16.33	169.34	-24.58	119.08	-20.82	-39.71	1.37	0.37	26.91	13.04	3.55
3600	-11.69	-6.08	16.22	159.74	-24.52	111.60	-20.82	-46.02	1.38	0.37	26.57	12.98	3.69
3700	-11.60	-14.67	16.07	150.19	-24.43	103.60	-21.30	-53.86	1.38	0.36	26.31	12.77	3.57
3800	-11.49	-23.12	15.97	140.59	-24.47	95.86	-21.52	-61.51	1.40	0.36	26.04	12.75	3.80
4000	-11.30	-40.23	15.75	121.53	-24.48	80.47	-22.10	-75.28	1.42	0.35	25.65	12.12	3.65

TYPE: MMIC Amplifier
MODEL: GALI-55 Reference Data: RDF-1244D
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -25dBm, Icc = 60mA, Vd = 4.35V @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	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-43.35	-33.74	23.34	173.11	-26.13	-3.98	-22.99	174.12	1.05	0.72	32.65	17.77	3.20
100	-44.83	-40.07	23.32	166.90	-26.13	-6.51	-22.84	171.57	1.05	0.72	32.25	17.77	3.43
200	-43.57	-112.86	23.19	154.75	-26.22	-11.80	-21.52	170.42	1.06	0.71	32.89	17.66	3.22
300	-35.59	-100.15	23.06	142.46	-26.30	-18.64	-21.77	168.69	1.06	0.69	32.44	17.74	3.45
400	-33.41	-104.74	22.91	130.47	-26.26	-25.27	-21.81	163.80	1.07	0.68	32.21	17.81	3.35
500	-32.66	-111.65	22.75	118.62	-26.19	-31.08	-21.14	156.16	1.07	0.67	31.80	17.69	3.42
600	-32.22	-129.57	22.56	106.91	-26.17	-37.24	-20.77	149.72	1.08	0.66	31.82	17.48	3.29
700	-30.65	-127.57	22.36	95.38	-26.14	-43.61	-20.69	143.73	1.09	0.64	32.09	17.53	3.40
800	-29.81	-134.62	22.17	83.92	-26.12	-50.19	-20.50	135.67	1.09	0.63	31.97	17.55	3.39
900	-28.59	-142.05	21.96	72.65	-26.08	-56.49	-20.31	127.50	1.10	0.62	32.22	17.50	3.40
1000	-28.04	-150.48	21.74	61.52	-26.02	-62.64	-20.15	120.04	1.11	0.61	32.22	17.45	3.34
1100	-26.70	-159.79	21.52	50.45	-25.97	-69.68	-20.01	112.01	1.12	0.60	32.06	17.34	3.38
1200	-26.02	-167.47	21.28	39.61	-25.93	-75.94	-19.83	103.83	1.13	0.58	31.83	17.16	3.44
1300	-25.37	-179.09	21.04	28.74	-25.89	-82.78	-19.64	95.01	1.14	0.57	31.66	17.24	3.44
1400	-24.44	172.99	20.83	18.03	-25.78	-89.03	-19.44	86.78	1.15	0.56	31.22	17.18	3.52
1500	-23.55	163.02	20.61	7.40	-25.81	-95.80	-19.23	77.81	1.16	0.54	31.62	17.11	3.55
1600	-22.67	153.69	20.36	-3.04	-25.72	-102.40	-19.22	69.47	1.17	0.53	31.76	17.16	3.50
1700	-22.06	144.65	20.14	-13.52	-25.64	-109.12	-19.12	61.56	1.18	0.52	33.12	17.13	3.40
1800	-21.26	135.96	19.91	-23.80	-25.60	-115.65	-19.00	53.66	1.20	0.51	32.59	17.00	3.57
1900	-20.44	127.94	19.68	-34.07	-25.56	-122.24	-18.98	46.34	1.21	0.50	31.74	17.01	3.50
2000	-19.74	119.20	19.46	-44.26	-25.45	-129.56	-18.88	38.69	1.21	0.49	31.66	17.04	3.44
2100	-19.16	111.57	19.23	-54.34	-25.42	-136.05	-19.06	30.69	1.23	0.48	31.41	16.88	3.59
2200	-18.65	103.97	19.01	-64.36	-25.39	-143.28	-19.10	23.12	1.24	0.47	31.21	16.84	3.45
2300	-17.88	96.32	18.80	-74.36	-25.33	-150.19	-19.15	16.03	1.25	0.46	30.90	16.72	3.52
2400	-17.46	87.61	18.61	-84.31	-25.24	-156.79	-19.38	8.77	1.26	0.45	30.73	16.60	3.53
2500	-16.75	79.85	18.40	-94.16	-25.09	-164.27	-19.43	2.83	1.26	0.45	30.46	16.43	3.45
2600	-16.37	72.64	18.21	-103.98	-25.19	-171.36	-19.52	-4.37	1.29	0.43	30.16	16.33	3.58
2700	-15.88	64.79	18.02	-113.75	-25.12	-178.49	-19.66	-11.31	1.30	0.43	30.11	16.19	3.54
2800	-15.62	57.16	17.82	-123.46	-25.11	174.06	-19.84	-17.95	1.31	0.42	29.99	15.99	3.55
2900	-15.04	49.10	17.68	-133.26	-24.95	167.22	-20.00	-24.08	1.31	0.42	29.86	15.90	3.57
3000	-14.71	41.32	17.50	-142.83	-25.00	160.04	-20.18	-31.03	1.33	0.40	29.50	15.70	3.51
3100	-14.41	33.44	17.31	-152.48	-24.93	152.65	-20.51	-37.13	1.34	0.40	29.16	15.55	3.65
3200	-14.05	26.19	17.16	-162.03	-24.86	145.27	-20.74	-43.11	1.34	0.39	28.83	15.51	3.59
3300	-13.70	18.64	17.02	-171.60	-24.83	138.07	-20.96	-49.26	1.35	0.39	28.74	15.32	3.71
3400	-13.45	10.89	16.87	178.89	-24.80	130.51	-21.34	-56.56	1.36	0.38	28.34	15.10	3.70
3500	-13.23	3.35	16.69	169.34	-24.84	122.87	-21.65	-61.82	1.39	0.37	28.22	14.88	3.71
3600	-12.95	-4.69	16.59	159.78	-24.77	115.89	-21.81	-67.90	1.39	0.37	27.95	14.74	3.87
3700	-12.86	-12.90	16.43	150.23	-24.71	107.41	-22.31	-75.72	1.40	0.37	27.64	14.47	3.70
3800	-12.76	-21.20	16.32	140.70	-24.67	99.99	-22.59	-84.19	1.41	0.37	27.14	14.35	4.00
4000	-12.45	-37.96	16.11	121.71	-24.68	84.49	-23.42	-98.61	1.43	0.36	26.68	13.75	3.85