

GALI-2 Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 40mA, Vd = 3.41V @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			
50	-45.59	64.22	16.53	174.17	-20.00	-4.59	-26.22	173.56	1.08	0.67	29.34	13.87	3.06
100	-48.75	146.49	16.51	168.85	-19.94	-8.20	-25.66	169.80	1.08	0.67	29.33	13.81	3.20
200	-49.46	-151.78	16.45	158.14	-19.91	-16.57	-25.39	158.23	1.08	0.67	29.59	13.89	3.01
400	-42.71	-153.94	16.35	137.03	-19.92	-32.68	-25.46	142.66	1.08	0.66	29.06	13.83	3.14
600	-39.99	-168.21	16.23	116.09	-19.99	-48.64	-25.05	123.55	1.09	0.65	28.54	13.71	3.13
800	-40.02	-170.03	16.10	95.32	-20.01	-64.82	-25.10	103.89	1.10	0.64	29.03	13.60	3.20
1000	-38.86	-175.09	15.97	74.69	-20.05	-81.13	-25.20	83.99	1.11	0.62	28.86	13.45	3.19
1200	-36.28	-177.78	15.83	54.18	-20.09	-97.41	-25.76	63.89	1.12	0.61	28.42	13.19	3.21
1400	-33.59	173.59	15.69	33.84	-20.16	-113.74	-26.69	45.72	1.13	0.60	27.81	13.28	3.33
1600	-31.11	164.40	15.53	13.55	-20.24	-130.14	-28.22	26.97	1.15	0.58	28.18	13.13	3.32
1800	-28.54	150.91	15.38	-6.67	-20.31	-146.59	-30.70	10.39	1.16	0.57	28.21	13.12	3.46
2000	-25.96	137.55	15.23	-26.80	-20.39	-163.24	-35.78	-5.29	1.18	0.55	27.93	13.25	3.15
2200	-23.88	124.63	15.07	-46.82	-20.50	-179.70	-67.90	-1.55	1.20	0.54	27.56	13.33	3.21
2400	-22.21	109.12	14.89	-66.77	-20.63	163.69	-36.25	138.87	1.22	0.52	27.18	13.26	3.40
2600	-20.46	92.17	14.74	-86.52	-20.78	146.84	-29.90	121.18	1.24	0.50	26.67	13.23	3.43
2800	-19.20	75.37	14.59	-106.28	-20.91	130.02	-26.29	105.00	1.27	0.49	26.52	12.96	3.40
3000	-18.19	57.88	14.44	-126.01	-21.06	113.13	-23.85	87.63	1.29	0.47	26.43	12.69	3.26
3200	-17.10	40.93	14.31	-145.42	-21.25	96.19	-21.68	72.53	1.32	0.46	26.06	12.61	3.35
3400	-16.35	22.81	14.16	-164.97	-21.42	79.11	-20.40	56.29	1.35	0.45	25.70	12.68	3.55
3600	-15.65	5.36	14.03	175.54	-21.57	61.91	-19.24	40.65	1.37	0.44	25.03	12.59	3.61
3800	-15.10	-11.44	13.90	156.26	-21.76	44.48	-18.21	25.80	1.40	0.43	24.32	12.46	3.70
4000	-14.56	-28.75	13.79	136.95	-21.95	26.96	-17.44	10.16	1.43	0.42	23.93	12.51	3.57
4200	-14.27	-46.08	13.69	117.69	-22.11	9.27	-16.87	-4.45	1.46	0.41	24.01	12.41	3.54
4400	-14.15	-63.60	13.60	98.34	-22.25	-8.34	-16.58	-19.42	1.49	0.40	23.94	12.07	3.58
4600	-13.96	-80.98	13.54	79.10	-22.40	-26.29	-16.14	-34.26	1.51	0.39	23.72	11.83	3.81
4800	-14.02	-98.14	13.49	59.82	-22.56	-44.44	-16.01	-49.03	1.54	0.38	23.17	11.56	3.97
5000	-14.00	-116.67	13.51	40.49	-22.72	-62.49	-15.87	-64.82	1.55	0.38	22.86	11.20	3.81
5200	-14.23	-134.01	13.51	21.08	-22.80	-81.16	-15.82	-79.16	1.57	0.37	22.73	10.78	3.69
5400	-14.49	-151.59	13.55	1.60	-22.92	-100.11	-15.76	-93.84	1.58	0.37	22.39	10.45	3.63
5600	-14.66	-170.05	13.63	-18.04	-23.01	-119.13	-15.66	-109.60	1.58	0.36	21.99	10.07	3.74
5800	-15.21	170.91	13.69	-37.86	-23.02	-138.21	-15.68	-123.56	1.57	0.36	21.22	10.06	3.84
6000	-15.67	150.59	13.77	-58.17	-23.03	-157.24	-15.81	-138.34	1.57	0.36	20.48	9.67	3.88
6200	-16.50	129.63	13.89	-78.49	-22.97	-176.55	-15.83	-152.05	1.54	0.37	20.10	9.60	3.68
6400	-17.15	107.42	14.02	-99.43	-22.94	163.78	-15.76	-167.19	1.53	0.37	19.65	9.35	3.68
6600	-18.49	82.15	14.12	-120.50	-22.82	144.98	-15.92	-179.98	1.50	0.38	19.15	9.05	3.72
6800	-20.12	56.80	14.27	-142.05	-22.55	125.34	-15.52	168.21	1.45	0.39	18.52	8.70	3.86
7000	-21.23	21.59	14.35	-164.32	-22.52	105.56	-15.57	153.55	1.44	0.40	18.02	8.51	3.91
7200	-23.35	-18.92	14.41	172.98	-22.25	86.27	-15.24	141.07	1.40	0.41	17.77	8.15	3.85
7500	-23.33	-97.29	14.40	138.00	-21.77	57.38	-14.49	121.53	1.35	0.44	17.60	7.76	4.04
8000	-16.97	169.77	13.89	78.55	-21.13	9.47	-13.43	85.78	1.32	0.46	17.02	6.20	3.96

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 32mA, Vd = 3.36V @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)	Noise Figure (dB)
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K			
50	-32.54	6.22	16.30	174.16	-19.60	-3.84	-31.87	173.08	1.07	0.68	25.82	11.69	3.03
100	-34.62	-5.37	16.27	168.79	-19.67	-8.84	-30.43	171.08	1.08	0.68	25.82	11.57	3.14
200	-34.59	-30.20	16.22	158.16	-19.76	-16.65	-30.24	155.77	1.08	0.66	25.99	11.76	3.01
400	-35.17	-65.48	16.11	137.06	-19.77	-32.54	-30.22	144.09	1.09	0.66	25.64	11.64	3.13
600	-33.51	-89.50	16.00	116.09	-19.77	-48.82	-29.71	125.23	1.09	0.65	25.36	11.67	3.12
800	-32.52	-108.12	15.85	95.26	-19.77	-65.02	-29.29	105.15	1.10	0.64	25.93	11.52	3.18
1000	-31.41	-128.57	15.74	74.63	-19.82	-81.40	-29.40	84.47	1.11	0.62	25.82	11.25	3.15
1200	-30.21	-148.15	15.59	54.07	-19.89	-97.73	-29.78	63.46	1.12	0.61	25.37	10.89	3.19
1400	-28.26	-165.81	15.44	33.70	-19.94	-114.25	-31.55	46.26	1.14	0.59	24.88	11.17	3.29
1600	-26.88	176.35	15.30	13.36	-20.05	-130.61	-34.49	26.99	1.15	0.58	25.23	10.90	3.29
1800	-24.87	159.01	15.16	-6.89	-20.11	-147.27	-41.74	16.14	1.16	0.56	25.53	10.87	3.40
2000	-23.25	142.18	15.03	-27.02	-20.21	-163.83	-48.93	144.74	1.18	0.55	25.31	11.01	3.11
2200	-21.69	126.66	14.84	-47.13	-20.33	179.65	-34.50	149.95	1.20	0.53	25.07	11.17	3.19
2400	-20.17	109.68	14.68	-67.09	-20.45	162.66	-29.09	135.36	1.22	0.52	24.97	11.22	3.37
2600	-18.87	92.44	14.54	-86.86	-20.61	146.05	-25.97	118.85	1.24	0.50	24.81	11.11	3.36
2800	-17.87	74.97	14.38	-106.71	-20.74	129.14	-23.62	102.61	1.27	0.49	24.87	10.70	3.34
3000	-16.82	56.97	14.24	-126.46	-20.88	112.15	-21.71	85.54	1.29	0.48	24.96	10.37	3.19
3200	-15.94	39.74	14.08	-145.93	-21.07	95.14	-20.11	70.41	1.32	0.46	24.79	10.46	3.28
3400	-15.20	21.28	13.95	-165.48	-21.21	78.09	-19.02	54.35	1.34	0.45	24.56	10.75	3.50
3600	-14.71	3.87	13.83	174.99	-21.38	60.77	-18.14	38.79	1.37	0.44	23.89	10.66	3.54
3800	-14.16	-13.37	13.68	155.60	-21.59	43.31	-17.23	23.91	1.40	0.43	23.29	10.53	3.63
4000	-13.74	-30.71	13.60	136.30	-21.76	25.91	-16.55	8.14	1.42	0.42	22.98	10.83	3.51
4200	-13.50	-48.32	13.48	116.96	-21.94	8.16	-16.07	-6.56	1.46	0.41	23.06	10.92	3.49
4400	-13.33	-66.23	13.40	97.59	-22.05	-9.65	-15.77	-21.78	1.48	0.40	22.95	10.64	3.51
4600	-13.27	-83.62	13.34	78.28	-22.23	-27.54	-15.46	-36.52	1.50	0.40	22.65	10.38	3.77
4800	-13.23	-101.34	13.30	58.96	-22.35	-45.75	-15.31	-51.59	1.52	0.39	22.20	10.06	3.91
5000	-13.30	-119.80	13.31	39.51	-22.52	-63.89	-15.27	-67.20	1.54	0.38	22.06	9.82	3.75
5200	-13.44	-137.90	13.30	20.04	-22.58	-82.58	-15.21	-81.71	1.55	0.38	22.06	9.43	3.66
5400	-13.70	-156.02	13.36	0.55	-22.70	-101.80	-15.17	-96.56	1.56	0.37	21.81	9.20	3.58
5600	-13.93	-174.54	13.43	-19.23	-22.82	-120.62	-15.12	-112.28	1.57	0.37	21.49	8.88	3.69
5800	-14.37	165.44	13.49	-39.17	-22.76	-139.85	-15.13	-126.49	1.56	0.37	20.76	8.99	3.78
6000	-14.85	144.87	13.59	-59.42	-22.78	-158.74	-15.25	-141.38	1.55	0.37	20.09	8.65	3.80
6200	-15.52	122.77	13.69	-79.91	-22.74	-178.09	-15.25	-155.59	1.53	0.37	19.76	8.56	3.60
6400	-16.15	100.16	13.83	-100.85	-22.71	162.21	-15.20	-170.54	1.51	0.38	19.29	8.39	3.61
6600	-17.20	73.74	13.90	-122.15	-22.60	143.52	-15.38	176.26	1.50	0.38	18.73	8.13	3.66
6800	-18.55	47.40	14.06	-143.66	-22.33	123.66	-15.03	164.22	1.44	0.40	18.11	7.82	3.78
7000	-19.37	13.60	14.10	-166.19	-22.31	104.04	-15.12	149.55	1.44	0.40	17.60	7.69	3.83
7200	-20.52	-24.84	14.15	171.04	-22.03	84.76	-14.83	136.49	1.40	0.42	17.37	7.26	3.76
7500	-20.67	-91.67	14.13	136.19	-21.59	55.86	-14.21	116.64	1.35	0.44	17.20	6.99	3.97
8000	-16.09	176.77	13.56	76.69	-20.93	8.04	-13.33	81.02	1.33	0.46	16.71	5.49	3.85

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 48mA, Vd = 3.46V @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			
50	-37.49	144.75	16.68	174.16	-20.08	-4.36	-23.75	174.30	1.08	0.68	31.95	15.26	3.10
100	-35.77	163.39	16.65	168.85	-20.08	-8.54	-23.63	169.51	1.08	0.68	32.01	15.20	3.24
200	-36.32	168.92	16.60	158.16	-20.05	-16.50	-23.51	158.08	1.08	0.67	32.20	15.21	3.05
400	-35.53	162.82	16.49	137.08	-20.07	-32.42	-23.50	142.34	1.08	0.66	31.47	15.11	3.17
600	-34.99	149.70	16.37	116.14	-20.12	-48.57	-23.13	123.06	1.09	0.65	30.67	14.96	3.16
800	-36.26	136.98	16.25	95.37	-20.14	-64.60	-23.14	103.75	1.10	0.64	30.83	14.77	3.22
1000	-37.05	128.29	16.10	74.78	-20.16	-80.97	-23.40	83.85	1.11	0.63	30.45	14.64	3.22
1200	-37.78	131.33	15.96	54.29	-20.23	-97.19	-23.82	64.24	1.12	0.61	29.98	14.43	3.25
1400	-36.73	138.39	15.82	34.01	-20.26	-113.46	-24.53	45.91	1.13	0.60	29.36	14.39	3.38
1600	-34.59	144.15	15.66	13.73	-20.36	-129.71	-25.78	27.13	1.15	0.58	29.58	14.34	3.36
1800	-31.39	139.82	15.51	-6.45	-20.43	-146.23	-27.65	10.15	1.16	0.57	29.17	14.34	3.51
2000	-28.18	131.49	15.36	-26.52	-20.52	-162.74	-31.27	-6.35	1.18	0.55	28.92	14.42	3.21
2200	-25.69	122.13	15.20	-46.53	-20.64	-179.18	-38.50	-26.05	1.20	0.53	28.37	14.44	3.26
2400	-23.70	107.80	15.03	-66.43	-20.76	164.00	-47.17	146.31	1.22	0.52	27.79	14.27	3.48
2600	-21.68	91.80	14.87	-86.14	-20.88	147.40	-33.17	123.05	1.24	0.50	27.13	14.27	3.48
2800	-20.26	75.43	14.72	-105.93	-21.03	130.57	-28.47	106.82	1.27	0.49	26.79	14.09	3.45
3000	-19.14	58.21	14.58	-125.58	-21.17	113.58	-25.39	88.97	1.29	0.47	26.55	13.81	3.32
3200	-17.94	41.54	14.42	-144.99	-21.37	96.93	-22.89	73.84	1.32	0.46	26.13	13.57	3.42
3400	-17.10	23.68	14.28	-164.49	-21.52	79.55	-21.35	57.71	1.35	0.45	25.74	13.61	3.61
3600	-16.36	6.36	14.14	176.05	-21.69	62.55	-20.04	41.71	1.38	0.43	25.09	13.48	3.66
3800	-15.74	-10.22	14.02	156.79	-21.86	45.23	-18.93	27.18	1.41	0.42	24.46	13.33	3.74
4000	-15.17	-27.30	13.91	137.51	-22.06	27.84	-18.00	11.38	1.44	0.41	24.07	13.28	3.62
4200	-14.87	-44.47	13.81	118.30	-22.21	10.13	-17.41	-3.18	1.46	0.40	24.13	13.06	3.59
4400	-14.73	-61.82	13.72	99.02	-22.36	-7.56	-17.09	-18.07	1.49	0.39	24.09	12.77	3.63
4600	-14.52	-79.04	13.66	79.83	-22.55	-25.53	-16.59	-32.99	1.52	0.39	23.80	12.55	3.86
4800	-14.57	-95.96	13.61	60.59	-22.67	-43.59	-16.44	-47.62	1.54	0.38	23.27	12.32	4.01
5000	-14.55	-114.23	13.62	41.28	-22.84	-61.65	-16.28	-63.47	1.56	0.37	22.85	11.95	3.86
5200	-14.79	-131.22	13.62	21.96	-22.93	-80.37	-16.26	-77.56	1.57	0.37	22.70	11.52	3.76
5400	-15.05	-148.45	13.66	2.55	-23.05	-99.33	-16.12	-92.43	1.59	0.36	22.34	11.19	3.70
5600	-15.22	-166.51	13.74	-17.07	-23.17	-118.12	-16.02	-108.21	1.59	0.36	21.92	10.79	3.80
5800	-15.81	175.04	13.81	-36.80	-23.16	-137.49	-16.08	-121.87	1.58	0.36	21.18	10.69	3.89
6000	-16.30	155.20	13.89	-56.98	-23.16	-156.51	-16.16	-136.73	1.57	0.36	20.45	10.35	3.93
6200	-17.18	134.93	14.01	-77.24	-23.11	-175.64	-16.20	-150.36	1.55	0.36	20.06	10.25	3.74
6400	-17.89	113.47	14.14	-98.16	-23.08	164.69	-16.10	-165.44	1.53	0.37	19.66	10.02	3.76
6600	-19.43	89.13	14.25	-119.02	-22.97	146.03	-16.31	-177.80	1.51	0.37	19.18	9.67	3.81
6800	-21.35	65.55	14.41	-140.52	-22.70	126.26	-15.83	170.29	1.45	0.39	18.60	9.30	3.94
7000	-22.98	30.01	14.49	-162.76	-22.67	106.47	-15.91	155.83	1.44	0.40	18.05	9.08	4.01
7200	-26.07	-12.69	14.58	174.69	-22.42	87.16	-15.55	143.71	1.40	0.41	17.82	8.69	3.92
7500	-25.80	-106.69	14.58	139.66	-21.90	58.33	-14.73	124.34	1.34	0.44	17.66	8.29	4.13
8000	-17.52	163.52	14.11	80.19	-21.23	10.29	-13.53	89.03	1.31	0.47	16.96	6.72	4.05

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 40mA, Vd = 3.59V @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			
50	-48.18	129.96	16.72	174.07	-20.13	-5.05	-25.44	175.64	1.08	0.68	30.00	14.10	2.48
100	-60.69	32.41	16.69	168.64	-19.99	-9.35	-25.99	172.76	1.07	0.68	29.94	14.01	2.60
200	-47.50	-17.27	16.64	157.63	-20.02	-17.61	-26.47	157.21	1.07	0.68	30.19	14.11	2.45
400	-35.92	171.44	16.53	135.96	-20.05	-33.71	-23.74	137.47	1.08	0.67	29.83	14.10	2.57
600	-36.02	154.96	16.44	114.44	-20.05	-50.89	-23.58	120.34	1.08	0.66	29.42	14.02	2.52
800	-37.18	147.19	16.31	93.00	-20.08	-67.54	-23.56	100.37	1.09	0.65	29.91	13.89	2.59
1000	-38.59	151.17	16.19	71.73	-20.10	-84.51	-24.15	78.18	1.10	0.64	29.77	13.70	2.53
1200	-37.94	137.73	16.05	50.56	-20.15	-101.72	-24.18	57.51	1.11	0.62	29.34	13.46	2.59
1400	-37.88	140.25	15.92	29.60	-20.19	-118.75	-24.85	39.87	1.12	0.61	28.83	13.59	2.66
1600	-33.74	136.11	15.78	8.63	-20.26	-135.98	-26.22	15.49	1.13	0.60	29.22	13.44	2.65
1800	-31.50	129.26	15.64	-12.21	-20.34	-152.99	-27.77	-5.09	1.15	0.58	29.33	13.37	2.79
2000	-28.44	113.34	15.49	-32.98	-20.40	-170.25	-29.70	-32.32	1.16	0.57	29.10	13.55	2.50
2200	-26.54	104.23	15.33	-53.71	-20.51	172.16	-33.20	-54.79	1.18	0.55	28.76	13.64	2.53
2400	-24.68	91.08	15.18	-74.27	-20.64	154.82	-42.37	-107.68	1.20	0.53	28.43	13.66	2.71
2600	-22.08	78.18	15.03	-94.76	-20.76	137.40	-34.73	124.76	1.22	0.52	28.00	13.62	2.71
2800	-20.50	62.49	14.88	-115.24	-20.90	119.69	-28.54	101.44	1.24	0.50	27.90	13.32	2.67
3000	-18.97	46.39	14.74	-135.57	-21.04	102.12	-24.39	81.18	1.26	0.49	27.89	13.08	2.55
3200	-18.03	29.23	14.59	-155.65	-21.23	84.42	-22.15	68.24	1.29	0.48	27.58	13.07	2.65
3400	-17.46	9.26	14.47	-175.84	-21.35	66.55	-21.17	51.41	1.31	0.46	27.35	13.13	2.80
3600	-16.66	-9.36	14.33	163.97	-21.47	48.58	-19.88	35.46	1.34	0.45	26.62	12.99	2.78
3800	-16.19	-26.03	14.21	144.01	-21.69	30.42	-18.99	19.15	1.37	0.44	25.89	12.90	2.91
4000	-15.61	-43.02	14.11	124.09	-21.84	12.26	-18.07	1.98	1.39	0.43	25.44	13.03	2.80
4200	-15.60	-61.19	14.01	104.10	-21.98	-6.32	-17.65	-12.99	1.42	0.42	25.55	13.08	2.78
4400	-15.49	-79.35	13.94	84.14	-22.12	-24.74	-17.35	-28.98	1.44	0.41	25.65	12.87	2.81
4600	-15.40	-97.85	13.88	64.19	-22.30	-43.67	-16.79	-44.46	1.47	0.40	25.48	12.64	3.00
4800	-15.33	-115.43	13.83	44.36	-22.41	-62.59	-16.49	-59.58	1.48	0.40	25.06	12.46	3.13
5000	-15.46	-134.70	13.85	24.27	-22.56	-81.38	-16.34	-76.09	1.50	0.39	24.75	12.23	3.01
5200	-15.36	-153.04	13.84	4.28	-22.67	-100.80	-16.16	-91.83	1.51	0.38	24.69	11.77	2.95
5400	-15.32	-168.23	13.88	-15.77	-22.81	-120.65	-15.84	-110.72	1.52	0.38	24.43	11.51	2.89
5600	-15.72	174.12	13.96	-35.98	-22.92	-140.47	-15.50	-127.17	1.52	0.38	24.14	11.09	2.95
5800	-16.15	150.97	14.03	-56.44	-22.91	-160.42	-15.20	-141.95	1.51	0.38	23.48	11.04	3.04
6000	-16.17	133.73	14.10	-77.08	-22.93	-179.75	-14.94	-158.07	1.50	0.38	22.75	10.60	3.07
6200	-17.53	112.28	14.23	-97.81	-22.89	160.26	-14.88	-170.87	1.49	0.38	22.44	10.62	2.90
6400	-18.45	89.43	14.38	-119.15	-22.85	139.67	-14.61	175.32	1.46	0.39	21.99	10.52	2.95
6600	-20.23	62.96	14.52	-140.59	-22.74	120.15	-14.86	162.90	1.44	0.40	21.39	10.21	2.97
6800	-22.04	42.93	14.70	-162.44	-22.51	99.76	-14.59	149.58	1.39	0.41	20.74	9.81	3.03
7000	-25.65	10.19	14.82	174.71	-22.46	79.20	-14.90	135.31	1.37	0.42	20.22	9.56	3.06
7200	-30.01	-50.11	14.96	151.74	-22.20	59.20	-14.71	121.93	1.33	0.44	19.94	9.20	3.02
7500	-25.65	-162.19	15.07	116.01	-21.70	29.13	-14.04	100.11	1.27	0.48	19.80	9.06	3.24
8000	-17.42	129.51	14.77	54.63	-21.03	-20.85	-13.37	56.81	1.23	0.51	19.87	7.55	3.14

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 32mA, Vd = 3.54V @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)	Noise Figure (dB)
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K			
50	-36.57	11.77	16.51	174.07	-19.89	-5.44	-28.68	172.56	1.08	0.68	26.31	11.69	2.44
100	-34.62	-7.99	16.47	168.64	-19.86	-8.85	-29.71	173.24	1.08	0.68	26.26	11.50	2.53
200	-33.15	-20.40	16.44	157.64	-19.89	-17.19	-31.04	156.11	1.08	0.67	26.44	11.68	2.43
400	-40.04	-112.41	16.35	135.97	-19.88	-34.12	-26.82	136.40	1.08	0.67	26.29	11.65	2.55
600	-39.03	-128.34	16.25	114.39	-19.89	-50.89	-26.33	120.66	1.09	0.66	26.01	11.58	2.51
800	-36.72	-137.02	16.12	92.97	-19.90	-67.81	-26.37	100.67	1.09	0.65	26.58	11.53	2.58
1000	-34.06	-144.07	15.99	71.68	-19.95	-84.88	-27.16	77.57	1.10	0.63	26.48	11.25	2.54
1200	-33.39	-165.74	15.85	50.50	-19.99	-101.93	-27.16	55.89	1.11	0.62	26.08	10.94	2.56
1400	-32.28	-179.86	15.73	29.52	-20.03	-119.10	-27.96	39.36	1.12	0.61	25.64	11.18	2.66
1600	-29.70	158.93	15.59	8.51	-20.09	-136.43	-29.91	12.13	1.13	0.60	25.94	10.96	2.63
1800	-27.82	143.45	15.46	-12.35	-20.16	-153.56	-32.13	-10.18	1.15	0.58	26.25	10.89	2.76
2000	-25.54	123.39	15.31	-33.19	-20.24	-170.93	-35.27	-47.98	1.16	0.57	26.08	11.06	2.44
2200	-24.11	109.37	15.16	-53.92	-20.36	171.78	-41.48	-93.90	1.18	0.55	25.86	11.20	2.50
2400	-22.56	93.82	15.01	-74.56	-20.48	154.15	-38.06	155.55	1.20	0.53	25.81	11.33	2.68
2600	-20.37	78.91	14.85	-95.07	-20.61	136.63	-29.50	116.22	1.22	0.52	25.68	11.26	2.67
2800	-19.15	62.32	14.71	-115.57	-20.75	119.00	-25.62	97.32	1.24	0.50	25.80	10.87	2.63
3000	-17.74	45.62	14.57	-135.95	-20.86	101.32	-22.58	78.84	1.26	0.49	25.96	10.65	2.49
3200	-16.96	28.16	14.42	-156.06	-21.05	83.67	-20.81	65.55	1.29	0.48	25.92	10.71	2.62
3400	-16.40	7.99	14.29	-176.28	-21.18	65.73	-19.98	49.04	1.31	0.47	25.76	10.85	2.76
3600	-15.66	-10.83	14.16	163.53	-21.33	47.87	-18.86	33.07	1.33	0.46	25.06	10.82	2.75
3800	-15.29	-27.78	14.04	143.52	-21.53	29.46	-18.11	17.00	1.36	0.44	24.41	10.78	2.87
4000	-14.77	-45.06	13.94	123.57	-21.70	11.40	-17.27	-0.19	1.39	0.43	24.09	10.92	2.76
4200	-14.82	-63.42	13.85	103.59	-21.85	-7.23	-16.90	-15.21	1.41	0.42	24.24	11.13	2.76
4400	-14.71	-81.83	13.78	83.57	-21.94	-25.73	-16.66	-31.26	1.43	0.42	24.26	11.01	2.79
4600	-14.64	-100.52	13.73	63.59	-22.12	-44.56	-16.13	-46.81	1.46	0.41	24.01	10.82	2.98
4800	-14.59	-118.46	13.68	43.68	-22.23	-63.74	-15.91	-61.85	1.47	0.40	23.64	10.65	3.11
5000	-14.68	-138.14	13.69	23.55	-22.40	-82.44	-15.76	-78.53	1.49	0.39	23.56	10.67	2.99
5200	-14.59	-156.74	13.69	3.49	-22.49	-102.03	-15.62	-94.12	1.50	0.39	23.67	10.26	2.92
5400	-14.56	-172.83	13.73	-16.64	-22.64	-121.86	-15.30	-112.93	1.51	0.39	23.54	10.14	2.85
5600	-14.97	169.04	13.81	-36.91	-22.73	-141.40	-14.98	-129.33	1.51	0.38	23.33	9.77	2.94
5800	-15.35	145.58	13.88	-57.43	-22.73	-161.38	-14.73	-144.11	1.50	0.39	22.73	9.93	2.98
6000	-15.38	127.54	13.95	-78.14	-22.74	-178.81	-14.48	-160.35	1.49	0.39	22.07	9.56	3.04
6200	-16.66	105.37	14.09	-98.94	-22.69	158.98	-14.46	-173.16	1.47	0.39	21.84	9.50	2.84
6400	-17.42	81.09	14.23	-120.40	-22.65	138.55	-14.23	172.83	1.45	0.39	21.45	9.52	2.88
6600	-18.91	53.76	14.36	-141.90	-22.55	118.99	-14.49	160.08	1.43	0.40	20.80	9.33	2.90
6800	-20.36	30.46	14.53	-163.86	-22.33	98.61	-14.23	146.41	1.38	0.42	20.15	9.00	2.99
7000	-22.95	-4.66	14.66	173.26	-22.27	78.17	-14.54	131.90	1.37	0.42	19.62	8.77	3.00
7200	-25.01	-55.17	14.78	150.15	-22.00	58.10	-14.39	118.33	1.33	0.44	19.37	8.44	2.94
7500	-23.34	-142.01	14.85	114.24	-21.53	27.95	-13.80	96.19	1.27	0.48	19.22	8.28	3.19
8000	-16.71	138.83	14.50	52.79	-20.88	-21.78	-13.24	52.63	1.24	0.51	19.04	6.93	3.07

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 48mA, Vd = 3.64V @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			
50	-36.76	160.47	16.84	174.07	-20.23	-4.65	-23.76	173.13	1.07	0.68	32.63	15.47	2.51
100	-39.39	165.10	16.82	168.65	-20.16	-8.61	-24.16	171.98	1.07	0.68	32.65	15.45	2.64
200	-43.34	150.01	16.77	157.64	-20.22	-17.22	-24.62	157.56	1.08	0.67	32.84	15.52	2.47
400	-31.80	158.29	16.66	135.99	-20.14	-33.77	-22.20	137.95	1.08	0.67	32.32	15.47	2.58
600	-32.05	138.65	16.56	114.45	-20.19	-50.58	-22.21	120.29	1.09	0.66	31.63	15.34	2.54
800	-33.26	125.50	16.43	93.05	-20.20	-67.48	-22.18	100.48	1.09	0.65	31.94	15.17	2.63
1000	-35.36	116.72	16.31	71.84	-20.21	-84.44	-22.85	78.59	1.10	0.64	31.63	15.04	2.58
1200	-35.26	100.27	16.17	50.69	-20.27	-101.46	-22.78	58.29	1.11	0.62	31.22	14.83	2.61
1400	-37.23	93.14	16.04	29.77	-20.29	-118.49	-23.38	40.41	1.12	0.61	30.74	14.83	2.70
1600	-35.57	103.21	15.89	8.84	-20.38	-135.53	-24.44	17.11	1.13	0.60	30.99	14.79	2.68
1800	-34.08	108.31	15.75	-12.01	-20.44	-152.69	-25.80	-2.68	1.15	0.58	30.73	14.78	2.84
2000	-30.52	101.17	15.61	-32.74	-20.51	-170.10	-27.47	-28.10	1.16	0.57	30.51	14.89	2.52
2200	-28.60	96.89	15.45	-53.44	-20.64	172.59	-29.93	-47.45	1.18	0.55	30.08	14.91	2.57
2400	-26.35	87.21	15.29	-73.99	-20.75	155.33	-36.15	-74.87	1.20	0.53	29.57	14.82	2.72
2600	-23.41	76.80	15.14	-94.42	-20.88	137.84	-40.55	140.29	1.22	0.52	28.90	14.82	2.73
2800	-21.62	62.12	14.99	-114.90	-21.00	120.07	-31.06	104.49	1.24	0.50	28.63	14.69	2.68
3000	-19.90	46.55	14.85	-135.16	-21.15	102.50	-25.77	82.27	1.27	0.49	28.39	14.51	2.57
3200	-18.89	29.94	14.70	-155.25	-21.32	84.92	-23.21	69.74	1.29	0.47	28.09	14.29	2.72
3400	-18.26	9.82	14.57	-175.38	-21.44	67.08	-22.01	52.72	1.32	0.46	27.82	14.32	2.83
3600	-17.37	-8.45	14.43	164.47	-21.61	49.17	-20.60	36.89	1.34	0.45	27.15	14.24	2.83
3800	-16.86	-24.92	14.31	144.56	-21.78	30.99	-19.62	20.54	1.37	0.44	26.45	14.13	2.93
4000	-16.24	-41.57	14.21	124.64	-21.95	12.88	-18.64	3.25	1.40	0.43	25.96	14.11	2.86
4200	-16.25	-59.58	14.11	104.67	-22.09	-5.75	-18.19	-11.67	1.42	0.42	26.04	13.96	2.84
4400	-16.11	-77.39	14.03	84.77	-22.21	-24.13	-17.82	-27.83	1.44	0.41	26.17	13.72	2.83
4600	-16.01	-95.72	13.97	64.85	-22.37	-42.99	-17.24	-43.11	1.47	0.40	26.05	13.52	3.04
4800	-15.93	-113.08	13.92	45.07	-22.51	-61.93	-16.87	-58.31	1.49	0.39	25.58	13.34	3.16
5000	-16.06	-132.10	13.94	25.05	-22.70	-80.63	-16.73	-74.79	1.51	0.39	25.16	13.06	3.05
5200	-15.94	-150.29	13.93	5.13	-22.78	-100.28	-16.53	-90.48	1.52	0.38	25.07	12.58	2.99
5400	-15.85	-165.00	13.97	-14.88	-22.92	-119.88	-16.18	-109.66	1.53	0.38	24.77	12.32	2.93
5600	-16.27	177.97	14.05	-35.04	-23.04	-139.50	-15.85	-125.92	1.53	0.37	24.43	11.93	3.01
5800	-16.77	155.08	14.11	-55.41	-23.02	-159.63	-15.53	-140.80	1.52	0.37	23.80	11.75	3.05
6000	-16.73	138.29	14.18	-75.99	-23.07	-179.28	-15.24	-157.00	1.51	0.37	23.03	11.35	3.10
6200	-18.19	118.21	14.32	-96.66	-23.01	161.00	-15.20	-169.50	1.49	0.38	22.70	11.33	2.94
6400	-19.21	96.48	14.48	-117.90	-22.99	140.47	-14.91	176.77	1.47	0.38	22.25	11.26	3.00
6600	-21.27	71.53	14.61	-139.25	-22.88	120.95	-15.17	164.63	1.44	0.39	21.71	10.91	3.00
6800	-23.15	54.09	14.80	-160.98	-22.62	100.47	-14.87	151.16	1.39	0.41	21.13	10.48	3.11
7000	-27.75	27.85	14.93	176.26	-22.59	80.14	-15.20	137.36	1.38	0.41	20.57	10.14	3.11
7200	-37.44	-39.00	15.07	153.40	-22.32	60.08	-14.99	124.14	1.33	0.44	20.27	9.79	3.08
7500	-26.35	175.94	15.21	117.75	-21.84	29.85	-14.27	102.57	1.27	0.47	20.11	9.74	3.29
8000	-17.72	121.68	14.97	56.48	-21.13	-19.92	-13.53	59.70	1.22	0.51	19.94	8.10	3.22

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 40mA, Vd = 3.27V @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			
50	-42.03	41.12	16.37	174.24	-19.70	-3.65	-27.37	172.40	1.07	0.68	29.05	13.64	3.54
100	-47.40	121.85	16.34	169.04	-19.80	-7.84	-26.07	169.80	1.08	0.67	29.08	13.64	3.63
200	-40.66	-173.24	16.28	158.56	-19.83	-15.94	-24.68	157.65	1.08	0.66	29.40	13.66	3.47
400	-41.76	-108.92	16.18	137.90	-19.85	-31.46	-26.40	147.13	1.09	0.65	28.72	13.59	3.62
600	-39.05	-125.25	16.05	117.39	-19.87	-47.02	-26.50	127.75	1.10	0.64	28.11	13.46	3.60
800	-35.64	-111.97	15.92	97.06	-19.90	-62.59	-27.19	110.35	1.10	0.63	28.42	13.28	3.69
1000	-33.72	-125.76	15.78	76.89	-19.94	-78.36	-27.99	90.39	1.11	0.62	28.16	13.12	3.67
1200	-31.45	-138.27	15.63	56.83	-19.98	-93.96	-29.00	72.27	1.13	0.61	27.66	12.91	3.74
1400	-29.48	-157.77	15.49	36.97	-20.08	-109.80	-30.06	53.26	1.14	0.59	27.08	12.92	3.85
1600	-27.66	-174.47	15.33	17.13	-20.16	-125.60	-32.33	35.57	1.16	0.57	27.47	12.80	3.85
1800	-25.73	-167.04	15.17	-2.63	-20.24	-141.54	-36.40	24.92	1.17	0.56	27.27	12.78	4.01
2000	-23.64	150.95	15.02	-22.24	-20.34	-157.41	-47.12	65.48	1.19	0.54	26.94	12.94	3.70
2200	-21.90	136.26	14.85	-41.81	-20.47	-173.31	-37.65	141.00	1.21	0.52	26.49	12.93	3.80
2400	-20.41	120.41	14.69	-61.27	-20.59	170.40	-30.63	133.98	1.23	0.51	25.96	12.81	4.00
2600	-19.00	103.35	14.52	-80.58	-20.74	154.25	-26.95	120.98	1.26	0.49	25.35	12.74	4.05
2800	-17.94	86.37	14.37	-99.87	-20.88	137.97	-24.63	106.09	1.28	0.48	25.06	12.42	4.00
3000	-17.03	68.67	14.22	-119.13	-21.03	121.62	-22.53	89.91	1.31	0.47	24.86	12.07	3.86
3200	-15.97	51.60	14.06	-138.09	-21.25	105.45	-20.68	76.04	1.34	0.45	24.48	12.03	3.95
3400	-15.18	33.87	13.91	-157.22	-21.39	88.91	-19.34	60.52	1.36	0.44	24.15	12.07	4.18
3600	-14.47	16.82	13.76	-176.26	-21.56	72.14	-18.24	45.42	1.39	0.43	23.42	11.88	4.24
3800	-13.91	0.43	13.64	164.92	-21.78	55.35	-17.31	31.17	1.42	0.42	22.76	11.72	4.32
4000	-13.43	-16.27	13.52	146.10	-21.99	38.66	-16.47	16.01	1.46	0.41	22.41	11.71	4.19
4200	-13.18	-33.49	13.42	127.30	-22.16	21.53	-16.02	2.22	1.49	0.40	22.52	11.50	4.14
4400	-13.07	-51.23	13.32	108.45	-22.31	4.50	-15.70	-11.98	1.52	0.39	22.27	11.15	4.20
4600	-12.95	-68.94	13.26	89.68	-22.49	-12.71	-15.41	-25.39	1.55	0.38	21.94	10.85	4.48
4800	-13.03	-86.69	13.20	70.78	-22.58	-30.52	-15.42	-39.25	1.57	0.38	21.32	10.45	4.59
5000	-12.99	-105.29	13.22	51.85	-22.78	-47.88	-15.43	-54.39	1.59	0.37	20.94	10.03	4.46
5200	-13.24	-123.79	13.23	32.80	-22.87	-65.78	-15.54	-67.78	1.60	0.36	20.73	9.57	4.37
5400	-13.38	-141.71	13.25	13.75	-22.99	-84.31	-15.56	-81.52	1.62	0.36	20.34	9.26	4.31
5600	-13.52	-159.46	13.33	-5.55	-23.05	-102.73	-15.74	-97.67	1.62	0.36	19.95	8.90	4.43
5800	-14.07	-178.48	13.39	-25.04	-23.05	-121.33	-15.96	-111.61	1.61	0.35	19.16	8.93	4.56
6000	-14.35	160.40	13.44	-45.07	-23.04	-139.62	-16.14	-126.53	1.61	0.36	18.53	8.50	4.65
6200	-14.90	140.52	13.54	-65.15	-23.01	-158.11	-16.33	-141.08	1.59	0.36	18.15	8.34	4.46
6400	-15.44	119.38	13.64	-85.92	-22.91	-177.53	-16.36	-156.67	1.57	0.36	17.68	8.02	4.41
6600	-16.57	93.98	13.71	-106.67	-22.86	164.63	-16.72	-169.11	1.56	0.36	17.19	7.76	4.42
6800	-17.83	67.82	13.81	-128.06	-22.52	145.48	-16.12	179.93	1.50	0.38	16.44	7.36	4.68
7000	-18.34	35.77	13.83	-150.17	-22.52	125.97	-16.07	165.32	1.50	0.38	16.13	7.23	4.85
7200	-19.75	1.32	13.83	-172.57	-22.22	107.45	-15.56	153.81	1.47	0.39	15.86	6.64	4.82
7500	-20.56	-64.52	13.65	152.92	-21.76	79.46	-14.64	136.06	1.43	0.41	15.62	6.48	4.95
8000	-15.99	-161.38	12.88	95.14	-21.10	32.82	-13.27	105.43	1.42	0.42	14.81	4.80	5.15

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 32mA, Vd = 3.22V @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			
50	-30.07	5.67	16.11	174.27	-19.50	-4.65	-34.93	166.61	1.08	0.68	25.57	11.68	3.57
100	-33.74	-1.77	16.08	169.07	-19.60	-8.43	-32.08	168.49	1.08	0.67	25.59	11.63	3.61
200	-36.25	-35.86	16.01	158.56	-19.60	-16.07	-29.23	156.06	1.09	0.66	25.88	11.76	3.50
400	-31.85	-58.79	15.90	137.90	-19.65	-31.71	-32.07	152.77	1.09	0.65	25.40	11.73	3.66
600	-30.37	-81.17	15.80	117.37	-19.66	-47.20	-32.72	133.39	1.10	0.64	25.02	11.65	3.62
800	-28.87	-94.66	15.65	97.01	-19.66	-62.89	-34.33	119.86	1.11	0.63	25.52	11.43	3.71
1000	-27.55	-113.10	15.52	76.85	-19.72	-78.76	-36.20	99.73	1.12	0.62	25.40	11.22	3.67
1200	-26.50	-131.31	15.37	56.78	-19.78	-94.37	-37.55	82.46	1.13	0.60	24.95	10.88	3.72
1400	-25.46	-152.04	15.23	36.88	-19.84	-110.34	-41.48	67.52	1.14	0.59	24.42	11.11	3.86
1600	-24.11	-170.43	15.08	17.00	-19.95	-126.16	-47.57	64.79	1.16	0.57	24.78	10.89	3.85
1800	-22.62	-170.29	14.93	-2.77	-20.01	-142.24	-42.28	163.97	1.17	0.56	25.09	10.87	3.97
2000	-21.14	152.88	14.77	-22.44	-20.12	-158.08	-34.49	159.45	1.19	0.54	24.87	11.06	3.68
2200	-19.88	136.82	14.60	-42.08	-20.28	-174.25	-29.83	149.24	1.21	0.52	24.59	11.18	3.74
2400	-18.61	120.06	14.44	-61.53	-20.40	169.57	-26.13	135.56	1.23	0.51	24.41	11.09	4.00
2600	-17.44	102.75	14.28	-80.86	-20.53	153.50	-23.92	120.63	1.26	0.49	24.11	10.97	4.02
2800	-16.63	85.33	14.12	-100.22	-20.69	137.21	-22.30	105.17	1.28	0.48	24.08	10.48	3.94
3000	-15.74	67.38	13.99	-119.48	-20.82	120.70	-20.61	89.00	1.30	0.47	24.05	10.13	3.81
3200	-14.93	50.28	13.83	-138.50	-21.05	104.26	-19.19	74.69	1.33	0.45	23.80	10.33	3.91
3400	-14.17	32.33	13.69	-157.64	-21.20	87.52	-18.05	58.97	1.36	0.44	23.55	10.43	4.15
3600	-13.59	15.12	13.53	-176.70	-21.40	71.13	-17.18	43.78	1.39	0.43	22.85	10.38	4.17
3800	-13.12	-1.43	13.40	164.42	-21.59	54.21	-16.31	29.37	1.42	0.42	22.23	10.37	4.27
4000	-12.64	-18.45	13.29	145.58	-21.76	37.49	-15.64	14.38	1.45	0.42	21.96	10.48	4.13
4200	-12.46	-35.85	13.18	126.73	-21.98	20.33	-15.28	0.43	1.48	0.40	22.06	10.42	4.11
4400	-12.31	-53.81	13.10	107.85	-22.10	3.25	-14.96	-14.07	1.50	0.40	21.85	10.07	4.16
4600	-12.28	-71.51	13.01	88.95	-22.28	-14.11	-14.75	-27.52	1.54	0.39	21.50	9.73	4.38
4800	-12.30	-89.74	12.98	70.10	-22.37	-31.84	-14.74	-41.60	1.55	0.38	20.96	9.36	4.57
5000	-12.34	-108.13	12.98	51.05	-22.54	-49.25	-14.79	-56.70	1.58	0.38	20.67	8.99	4.41
5200	-12.56	-127.00	12.99	31.95	-22.64	-67.30	-14.87	-70.64	1.59	0.37	20.54	8.58	4.33
5400	-12.67	-145.38	13.03	12.87	-22.75	-85.93	-14.92	-84.41	1.60	0.37	20.17	8.28	4.28
5600	-12.86	-163.15	13.09	-6.57	-22.86	-104.28	-15.12	-100.50	1.61	0.36	19.80	7.94	4.39
5800	-13.35	177.22	13.15	-26.09	-22.80	-122.94	-15.32	-114.81	1.60	0.36	19.03	8.10	4.51
6000	-13.56	155.71	13.21	-46.18	-22.80	-141.19	-15.52	-129.74	1.60	0.36	18.38	7.71	4.61
6200	-14.07	135.20	13.30	-66.31	-22.74	-159.74	-15.70	-144.52	1.58	0.36	18.02	7.55	4.39
6400	-14.54	113.37	13.40	-87.11	-22.71	-179.01	-15.77	-160.02	1.57	0.37	17.49	7.28	4.34
6600	-15.56	87.96	13.46	-108.00	-22.60	162.82	-16.05	-173.17	1.55	0.37	16.99	6.99	4.37
6800	-16.55	61.20	13.54	-129.45	-22.28	143.69	-15.56	175.64	1.50	0.38	16.22	6.68	4.60
7000	-17.00	30.35	13.53	-151.67	-22.24	124.50	-15.55	161.06	1.50	0.39	15.93	6.52	4.78
7200	-18.03	-3.12	13.52	-174.06	-21.96	105.79	-15.11	148.89	1.47	0.40	15.65	5.91	4.69
7500	-18.55	-63.27	13.34	151.53	-21.56	78.06	-14.35	131.47	1.44	0.41	15.42	5.88	4.88
8000	-15.23	-156.98	12.53	93.79	-20.91	31.32	-13.21	100.76	1.44	0.42	14.72	4.18	5.05

TYPE: MMIC Amplifier
 MODEL: GALI-2 Reference Data: RDF-1245G
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 48mA, Vd = 3.32V @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 (dBm)	1 dB Compression Output (dBm)	Noise Figure (dB)
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K			
50	-40.22	138.25	16.54	174.24	-19.91	-4.62	-24.50	174.39	1.07	0.68	31.68	14.81	3.49
100	-35.11	157.77	16.51	169.02	-19.90	-8.26	-23.69	169.12	1.07	0.68	31.79	14.89	3.63
200	-32.58	170.23	16.45	158.55	-19.97	-15.87	-22.55	157.93	1.08	0.67	32.04	14.81	3.43
400	-37.33	171.66	16.34	137.92	-19.97	-31.28	-24.05	145.71	1.09	0.66	30.97	14.75	3.60
600	-37.92	171.22	16.21	117.43	-20.04	-46.82	-24.08	126.15	1.10	0.64	29.99	14.52	3.58
800	-41.75	-164.10	16.07	97.10	-20.03	-62.38	-24.85	108.67	1.10	0.63	29.92	14.28	3.66
1000	-40.27	-159.32	15.94	76.95	-20.08	-78.00	-25.28	88.67	1.11	0.62	29.45	14.16	3.66
1200	-37.15	-155.51	15.79	56.88	-20.14	-93.62	-26.07	70.12	1.13	0.61	28.89	13.86	3.73
1400	-33.36	-167.98	15.63	37.03	-20.19	-109.44	-27.09	51.20	1.14	0.59	28.31	13.85	3.86
1600	-30.77	179.25	15.48	17.20	-20.28	-125.23	-28.57	32.76	1.15	0.57	28.52	13.76	3.86
1800	-27.92	163.73	15.33	-2.50	-20.37	-140.92	-31.01	17.41	1.17	0.56	27.80	13.80	4.02
2000	-25.58	149.23	15.18	-22.11	-20.46	-157.01	-36.16	7.63	1.19	0.54	27.49	13.88	3.69
2200	-23.38	135.93	15.00	-41.68	-20.59	-172.89	-51.10	72.24	1.21	0.52	26.91	13.84	3.78
2400	-21.58	120.58	14.83	-61.11	-20.72	171.04	-35.24	134.37	1.23	0.51	26.25	13.57	4.01
2600	-20.07	103.90	14.68	-80.38	-20.87	155.03	-29.80	123.03	1.26	0.49	25.51	13.53	4.06
2800	-18.86	87.04	14.51	-99.68	-20.99	138.57	-26.46	107.94	1.28	0.48	25.14	13.27	4.00
3000	-17.76	69.39	14.36	-118.89	-21.14	122.34	-23.93	91.66	1.31	0.47	24.82	12.93	3.87
3200	-16.64	52.57	14.20	-137.86	-21.37	105.90	-21.71	77.91	1.34	0.45	24.39	12.68	3.97
3400	-15.77	34.72	14.05	-156.90	-21.52	89.59	-20.25	62.29	1.37	0.44	24.03	12.73	4.18
3600	-15.08	18.02	13.91	-175.91	-21.69	73.01	-19.02	47.06	1.39	0.43	23.36	12.56	4.22
3800	-14.43	1.76	13.77	165.24	-21.91	56.01	-17.90	32.77	1.43	0.42	22.70	12.41	4.33
4000	-13.94	-14.80	13.66	146.47	-22.11	39.50	-17.02	17.73	1.46	0.41	22.39	12.27	4.20
4200	-13.64	-32.03	13.55	127.69	-22.26	22.24	-16.47	3.76	1.49	0.40	22.45	12.01	4.15
4400	-13.48	-49.76	13.46	108.85	-22.42	5.33	-16.14	-10.39	1.52	0.39	22.18	11.66	4.20
4600	-13.41	-67.18	13.39	90.05	-22.60	-12.07	-15.79	-23.69	1.55	0.38	21.84	11.40	4.43
4800	-13.44	-84.90	13.33	71.25	-22.72	-29.48	-15.75	-37.34	1.57	0.37	21.20	10.99	4.59
5000	-13.46	-103.15	13.35	52.32	-22.90	-46.95	-15.77	-52.53	1.60	0.37	20.82	10.56	4.47
5200	-13.68	-121.76	13.34	33.29	-23.00	-64.77	-15.84	-65.98	1.61	0.36	20.60	10.15	4.41
5400	-13.86	-139.25	13.38	14.34	-23.11	-83.35	-15.88	-79.43	1.62	0.35	20.20	9.82	4.34
5600	-14.03	-156.58	13.45	-4.95	-23.21	-101.75	-16.04	-95.59	1.63	0.35	19.84	9.40	4.47
5800	-14.54	-175.70	13.50	-24.43	-23.19	-120.24	-16.23	-109.56	1.62	0.35	19.05	9.42	4.58
6000	-14.89	163.61	13.57	-44.34	-23.20	-138.64	-16.44	-124.06	1.62	0.35	18.40	9.08	4.69
6200	-15.41	143.75	13.66	-64.41	-23.17	-157.35	-16.60	-138.73	1.60	0.35	18.05	8.85	4.52
6400	-16.03	123.28	13.78	-85.04	-23.10	-176.52	-16.66	-154.13	1.58	0.36	17.59	8.50	4.48
6600	-17.27	98.05	13.83	-105.84	-23.00	165.39	-16.96	-166.80	1.57	0.36	17.16	8.19	4.51
6800	-18.73	72.65	13.95	-127.08	-22.69	146.40	-16.34	-177.52	1.51	0.38	16.40	7.81	4.76
7000	-19.43	40.12	13.96	-149.26	-22.63	126.91	-16.27	167.75	1.50	0.38	16.07	7.64	4.99
7200	-21.03	4.41	13.97	-171.64	-22.35	108.32	-15.73	156.10	1.47	0.39	15.81	7.05	5.02
7500	-22.03	-66.66	13.83	154.00	-21.91	80.41	-14.75	138.68	1.43	0.41	15.60	6.87	5.04
8000	-16.44	-165.27	13.06	96.11	-21.23	33.75	-13.28	107.82	1.42	0.42	14.72	5.11	5.18