

GALI-1 Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

TYPE: MMIC Amplifier

MODEL: GALI-1 Reference Data: RDF-1245H

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	-36.87	-8.99	12.42	173.92	-17.09	-5.04	-26.18	170.64	1.14	0.58	29.36	12.69	4.18
100	-35.27	-6.23	12.45	169.05	-17.04	-8.83	-26.11	171.08	1.14	0.59	28.90	12.59	4.37
200	-36.28	-27.67	12.41	159.02	-17.07	-16.96	-25.85	162.46	1.14	0.58	29.01	12.85	4.16
400	-34.51	-63.46	12.32	138.69	-17.08	-33.71	-25.90	148.58	1.15	0.58	28.33	12.80	4.28
600	-33.50	-96.51	12.25	118.43	-17.11	-50.15	-25.80	130.28	1.16	0.57	27.96	12.65	4.22
800	-32.05	-122.65	12.17	98.22	-17.12	-66.93	-25.66	113.40	1.16	0.56	28.39	12.56	4.31
1000	-30.55	-144.91	12.08	78.20	-17.17	-83.56	-25.80	94.67	1.17	0.56	28.30	12.53	4.27
1200	-28.95	-165.31	11.98	58.21	-17.22	-100.34	-26.05	76.65	1.18	0.55	28.06	12.29	4.29
1400	-27.39	175.53	11.90	38.35	-17.27	-117.16	-26.71	60.10	1.19	0.54	27.72	12.45	4.40
1600	-26.01	159.19	11.81	18.51	-17.35	-133.95	-27.70	44.17	1.21	0.53	28.05	12.39	4.35
1800	-24.86	141.62	11.72	-1.25	-17.44	-150.83	-29.40	33.59	1.22	0.52	28.29	12.47	4.37
2000	-23.37	125.91	11.63	-20.93	-17.54	-167.68	-31.78	25.78	1.23	0.50	27.92	12.58	4.15
2200	-22.13	111.34	11.54	-40.63	-17.64	175.27	-35.46	29.38	1.25	0.49	27.72	12.53	4.16
2400	-20.92	95.52	11.44	-60.26	-17.75	158.29	-37.27	63.09	1.27	0.48	27.67	12.45	4.42
2600	-19.89	80.28	11.35	-79.82	-17.89	141.17	-33.84	86.28	1.29	0.47	27.20	12.29	4.46
2800	-18.83	63.95	11.26	-99.33	-17.97	124.08	-30.50	81.59	1.30	0.46	27.10	12.28	4.44
3000	-18.01	47.13	11.17	-118.83	-18.11	106.77	-27.77	70.99	1.32	0.45	26.92	12.27	4.28
3200	-17.25	31.70	11.08	-138.04	-18.28	89.63	-25.69	59.18	1.34	0.44	26.52	12.39	4.34
3400	-16.74	14.88	11.01	-157.53	-18.39	72.19	-24.29	43.47	1.36	0.43	26.45	12.46	4.55
3600	-16.23	-1.49	10.95	-176.86	-18.52	54.78	-23.16	27.75	1.38	0.43	25.80	12.30	4.59
3800	-15.92	-17.59	10.87	163.90	-18.68	37.13	-22.27	13.54	1.41	0.42	25.25	11.93	4.68
4000	-15.62	-33.64	10.83	144.73	-18.84	19.62	-21.42	-1.25	1.43	0.41	24.70	11.96	4.55
4200	-15.55	-51.15	10.76	125.33	-18.93	1.66	-21.15	-16.85	1.44	0.40	24.65	12.08	4.48
4400	-15.48	-68.42	10.73	106.09	-19.06	-16.20	-20.73	-31.78	1.46	0.40	24.67	12.05	4.56
4600	-15.55	-86.21	10.71	86.80	-19.17	-34.13	-20.57	-45.68	1.48	0.39	24.63	11.99	4.81
4800	-15.72	-104.66	10.67	67.51	-19.26	-52.33	-20.56	-59.62	1.50	0.39	24.33	12.09	4.90
5000	-15.66	-123.28	10.72	48.13	-19.43	-70.52	-20.15	-73.93	1.51	0.38	23.98	11.99	4.80
5200	-15.98	-142.71	10.70	28.68	-19.49	-88.92	-20.36	-86.75	1.52	0.38	23.69	11.63	4.71
5400	-16.17	-160.61	10.75	9.53	-19.60	-108.01	-20.08	-97.86	1.53	0.38	23.46	11.31	4.58
5600	-16.38	-179.74	10.81	-9.94	-19.66	-126.81	-20.15	-110.54	1.53	0.37	23.09	10.74	4.74
5800	-16.88	160.57	10.85	-29.67	-19.64	-145.35	-20.52	-122.41	1.53	0.37	22.44	11.05	4.79
6000	-17.32	141.33	10.94	-49.56	-19.68	-164.21	-20.70	-136.00	1.52	0.38	21.57	10.84	4.86
6200	-18.12	121.33	11.04	-69.53	-19.65	176.93	-21.04	-146.03	1.51	0.38	21.15	10.77	4.59
6400	-18.70	101.36	11.19	-90.00	-19.68	157.32	-20.97	-159.04	1.49	0.38	20.69	10.49	4.61
6600	-20.05	75.62	11.26	-110.79	-19.68	138.96	-21.63	-166.32	1.49	0.38	20.29	10.31	4.76
6800	-22.28	50.44	11.42	-131.38	-19.49	120.02	-20.77	-170.85	1.45	0.40	19.76	9.98	4.81
7000	-23.62	17.31	11.52	-153.13	-19.52	100.09	-20.38	179.58	1.44	0.40	19.25	9.87	4.91
7200	-26.10	-31.31	11.65	-174.96	-19.32	81.28	-18.68	170.97	1.40	0.42	19.13	9.49	4.84
7500	-24.15	-113.27	11.76	151.52	-19.05	52.68	-16.41	151.98	1.35	0.44	18.88	9.49	4.94
8000	-16.86	168.86	11.55	93.79	-18.80	4.50	-13.46	113.50	1.32	0.46	17.28	8.46	4.93

TYPE: MMIC Amplifier
 MODEL: GALI-1 Reference Data: RDF-1245H
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 32mA, Vd = 3.33V @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	-29.62	-4.75	12.21	173.95	-16.87	-4.68	-29.85	174.69	1.14	0.58	25.38	9.68	4.16
100	-29.84	-6.89	12.23	169.05	-16.84	-8.81	-29.78	169.77	1.14	0.59	25.06	9.69	4.31
200	-30.45	-23.77	12.18	159.04	-16.87	-17.21	-29.42	163.09	1.15	0.58	25.11	10.14	4.14
400	-29.38	-53.09	12.11	138.65	-16.91	-33.72	-29.83	152.80	1.15	0.57	24.60	9.95	4.24
600	-29.16	-81.50	12.05	118.39	-16.94	-50.34	-29.20	134.70	1.16	0.57	24.37	9.86	4.20
800	-28.29	-106.19	11.96	98.18	-16.96	-67.07	-29.22	118.89	1.17	0.56	25.00	9.80	4.28
1000	-27.53	-130.27	11.86	78.14	-17.01	-83.69	-29.11	99.88	1.18	0.55	25.00	9.67	4.24
1200	-26.40	-151.77	11.77	58.13	-17.05	-100.56	-29.55	83.07	1.19	0.54	24.68	9.52	4.30
1400	-25.13	-172.76	11.70	38.24	-17.13	-117.34	-30.57	68.61	1.20	0.53	24.39	9.82	4.37
1600	-24.08	168.42	11.60	18.39	-17.20	-134.21	-31.86	56.10	1.21	0.52	24.69	9.66	4.33
1800	-23.13	149.34	11.53	-1.40	-17.29	-151.11	-33.74	53.01	1.22	0.51	25.10	9.81	4.32
2000	-21.86	131.91	11.43	-21.12	-17.38	-168.00	-35.92	60.01	1.24	0.50	24.84	9.93	4.11
2200	-20.71	115.99	11.35	-40.83	-17.47	174.95	-35.88	87.99	1.25	0.49	24.67	9.84	4.10
2400	-19.65	99.15	11.25	-60.47	-17.59	157.82	-32.44	100.48	1.27	0.48	24.90	9.71	4.39
2600	-18.75	83.00	11.15	-80.04	-17.71	140.80	-29.38	97.27	1.29	0.47	24.45	9.51	4.44
2800	-17.73	65.86	11.07	-99.58	-17.84	123.65	-26.96	86.22	1.30	0.46	24.51	9.54	4.40
3000	-17.02	48.66	10.99	-119.09	-17.95	106.34	-25.20	72.57	1.32	0.45	24.55	9.65	4.26
3200	-16.29	32.70	10.90	-138.37	-18.13	89.08	-23.51	58.94	1.34	0.44	24.52	9.90	4.32
3400	-15.86	15.42	10.84	-157.86	-18.24	71.70	-22.54	42.74	1.36	0.44	24.51	10.00	4.54
3600	-15.39	-1.17	10.76	-177.26	-18.34	54.21	-21.65	26.76	1.37	0.43	24.12	9.79	4.54
3800	-15.07	-17.54	10.69	163.51	-18.50	36.67	-20.86	11.94	1.40	0.42	23.49	9.34	4.66
4000	-14.84	-34.09	10.65	144.27	-18.64	18.92	-20.25	-2.79	1.42	0.42	23.09	9.51	4.52
4200	-14.73	-51.77	10.60	124.85	-18.77	1.15	-19.97	-18.72	1.44	0.41	23.13	9.81	4.42
4400	-14.68	-69.26	10.57	105.59	-18.89	-16.67	-19.67	-33.76	1.46	0.40	23.25	9.65	4.50
4600	-14.73	-87.35	10.54	86.24	-19.00	-34.78	-19.52	-48.21	1.47	0.40	23.08	9.70	4.79
4800	-14.89	-105.99	10.51	66.90	-19.09	-52.85	-19.57	-62.31	1.49	0.39	22.78	9.98	4.87
5000	-14.80	-124.76	10.56	47.44	-19.26	-71.12	-19.25	-76.83	1.50	0.39	22.71	10.10	4.76
5200	-15.06	-144.29	10.56	28.04	-19.31	-89.66	-19.44	-90.33	1.51	0.38	22.61	9.67	4.67
5400	-15.27	-162.58	10.60	8.72	-19.39	-108.67	-19.33	-101.57	1.52	0.38	22.49	9.07	4.53
5600	-15.43	178.14	10.65	-10.80	-19.44	-127.42	-19.40	-114.91	1.52	0.38	22.33	8.57	4.70
5800	-15.84	158.13	10.72	-30.56	-19.43	-146.03	-19.81	-127.53	1.51	0.38	21.75	9.25	4.75
6000	-16.26	138.63	10.80	-50.52	-19.49	-164.86	-20.09	-141.08	1.51	0.38	21.08	9.20	4.79
6200	-16.96	118.15	10.91	-70.54	-19.45	176.29	-20.47	-151.83	1.49	0.38	20.67	9.43	4.54
6400	-17.48	97.55	11.05	-91.18	-19.47	156.64	-20.51	-164.91	1.48	0.39	20.28	9.31	4.53
6600	-18.53	71.93	11.13	-111.91	-19.47	138.32	-21.23	-173.50	1.48	0.39	19.82	9.16	4.70
6800	-20.33	46.60	11.28	-132.71	-19.28	119.21	-20.65	-177.49	1.44	0.40	19.31	8.88	4.74
7000	-21.28	15.04	11.37	-154.56	-19.29	99.36	-20.35	172.83	1.43	0.41	18.84	8.73	4.82
7200	-23.08	-26.75	11.50	-176.36	-19.10	80.64	-18.82	165.07	1.39	0.42	18.72	8.36	4.79
7500	-22.64	-98.97	11.58	149.79	-18.84	51.87	-16.60	147.67	1.35	0.44	18.43	8.39	4.89
8000	-16.63	176.31	11.34	91.94	-18.57	3.62	-13.70	110.07	1.32	0.46	16.98	7.50	4.86

TYPE: MMIC Amplifier
 MODEL: GALI-1 Reference Data: RDF-1245H
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 48mA, Vd = 3.48V @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	-41.08	-11.02	12.55	173.93	-17.12	-5.05	-24.65	172.64	1.14	0.59	32.00	14.21	4.22
100	-42.26	4.10	12.57	169.06	-17.12	-8.88	-24.36	169.87	1.14	0.59	31.77	14.20	4.41
200	-43.72	-39.92	12.53	159.02	-17.16	-17.01	-24.21	162.01	1.14	0.59	31.48	14.30	4.18
400	-39.14	-83.78	12.45	138.72	-17.16	-33.59	-24.40	147.38	1.15	0.58	30.82	14.28	4.30
600	-36.47	-117.77	12.37	118.46	-17.19	-50.12	-24.20	129.04	1.15	0.57	30.17	14.14	4.25
800	-34.25	-141.59	12.29	98.28	-17.23	-66.89	-24.16	111.73	1.16	0.57	30.29	13.97	4.33
1000	-32.21	-160.78	12.20	78.28	-17.27	-83.44	-24.23	93.13	1.17	0.56	30.07	13.95	4.31
1200	-30.42	-177.97	12.10	58.32	-17.32	-100.19	-24.54	74.69	1.18	0.55	29.97	13.71	4.32
1400	-28.62	164.92	12.01	38.47	-17.37	-116.97	-25.15	57.67	1.19	0.54	29.53	13.77	4.42
1600	-27.15	150.59	11.92	18.65	-17.46	-133.77	-26.02	41.57	1.20	0.53	29.85	13.75	4.40
1800	-25.85	134.69	11.83	-1.10	-17.54	-150.59	-27.46	28.17	1.22	0.52	29.65	13.82	4.39
2000	-24.27	120.46	11.74	-20.74	-17.61	-167.49	-29.48	16.60	1.23	0.51	29.31	13.96	4.19
2200	-23.01	107.00	11.65	-40.40	-17.73	175.61	-32.89	11.05	1.25	0.50	29.01	13.90	4.19
2400	-21.69	92.45	11.55	-60.02	-17.84	158.52	-37.39	25.72	1.27	0.48	28.84	13.79	4.45
2600	-20.62	77.96	11.45	-79.54	-17.96	141.38	-37.38	68.21	1.28	0.47	28.21	13.73	4.53
2800	-19.50	62.03	11.36	-99.02	-18.07	124.33	-33.05	76.11	1.30	0.46	27.96	13.75	4.48
3000	-18.64	45.72	11.27	-118.50	-18.20	107.20	-29.76	68.98	1.32	0.45	27.77	13.74	4.35
3200	-17.87	30.71	11.18	-137.70	-18.37	89.90	-27.03	58.81	1.35	0.44	27.20	13.70	4.41
3400	-17.33	14.08	11.11	-157.14	-18.48	72.52	-25.52	43.56	1.36	0.43	26.98	13.71	4.59
3600	-16.84	-2.07	11.04	-176.48	-18.61	55.13	-24.18	28.24	1.38	0.43	26.51	13.57	4.64
3800	-16.51	-17.81	10.96	164.38	-18.79	37.50	-23.14	14.21	1.41	0.42	25.87	13.23	4.72
4000	-16.17	-33.76	10.91	145.19	-18.94	19.91	-22.20	-0.23	1.43	0.41	25.24	13.12	4.60
4200	-16.11	-50.84	10.85	125.85	-19.03	2.03	-21.85	-15.89	1.45	0.40	25.10	13.11	4.53
4400	-16.04	-68.07	10.81	106.63	-19.16	-15.82	-21.39	-30.52	1.47	0.40	25.13	13.09	4.60
4600	-16.13	-85.70	10.79	87.39	-19.28	-33.83	-21.17	-44.45	1.49	0.39	25.09	13.08	4.86
4800	-16.30	-103.98	10.75	68.13	-19.37	-52.00	-21.15	-58.01	1.51	0.38	24.71	13.11	4.94
5000	-16.26	-122.47	10.80	48.80	-19.54	-70.14	-20.67	-72.28	1.52	0.38	24.47	12.91	4.84
5200	-16.58	-141.78	10.78	29.47	-19.62	-88.56	-20.87	-84.74	1.53	0.37	24.03	12.61	4.75
5400	-16.80	-159.41	10.83	10.33	-19.71	-107.62	-20.57	-95.54	1.54	0.37	23.79	12.34	4.63
5600	-17.07	-178.32	10.88	-9.08	-19.76	-126.34	-20.55	-108.19	1.54	0.37	23.38	11.78	4.80
5800	-17.60	161.98	10.93	-28.74	-19.78	-144.90	-20.92	-119.76	1.54	0.37	22.67	11.90	4.86
6000	-18.08	143.12	11.01	-48.56	-19.80	-163.80	-21.11	-133.14	1.53	0.37	21.79	11.59	4.90
6200	-18.97	123.46	11.11	-68.46	-19.77	177.43	-21.38	-142.73	1.52	0.38	21.33	11.44	4.65
6400	-19.69	104.03	11.26	-88.93	-19.81	157.63	-21.28	-155.92	1.50	0.38	20.91	11.13	4.66
6600	-21.15	78.42	11.34	-109.55	-19.80	139.31	-21.87	-162.72	1.50	0.38	20.49	10.93	4.83
6800	-23.86	53.37	11.49	-130.08	-19.62	120.47	-20.91	-167.07	1.46	0.39	20.02	10.61	4.88
7000	-25.63	18.66	11.59	-151.77	-19.65	100.52	-20.47	-177.16	1.45	0.40	19.50	10.46	4.98
7200	-28.50	-38.86	11.73	-173.42	-19.45	81.71	-18.70	173.93	1.41	0.41	19.33	10.13	4.92
7500	-24.68	-126.71	11.84	153.05	-19.18	53.10	-16.38	154.66	1.36	0.44	19.07	10.11	5.01
8000	-16.85	163.54	11.68	95.55	-18.91	4.97	-13.40	115.62	1.32	0.47	17.42	9.04	5.01

TYPE: MMIC Amplifier
 MODEL: GALI-1 Reference Data: RDF-1245H
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 40mA, Vd = 3.57V @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	-36.49	-7.57	12.57	173.84	-17.02	-4.95	-25.86	171.72	1.13	0.60	29.94	12.62	3.52
100	-32.93	-9.83	12.60	168.78	-17.11	-9.26	-26.72	171.59	1.13	0.59	29.61	12.49	3.68
200	-32.24	-17.36	12.56	158.46	-17.12	-17.80	-27.26	161.10	1.14	0.59	29.74	12.74	3.50
400	-37.25	-68.04	12.49	137.45	-17.13	-34.94	-24.77	145.24	1.14	0.58	29.11	12.71	3.55
600	-36.14	-107.57	12.43	116.56	-17.18	-52.37	-24.67	126.94	1.15	0.58	28.83	12.65	3.51
800	-33.60	-133.86	12.35	95.71	-17.19	-69.70	-24.69	109.90	1.16	0.57	29.25	12.58	3.58
1000	-31.90	-149.06	12.26	75.00	-17.21	-87.20	-25.14	89.13	1.16	0.56	29.28	12.46	3.54
1200	-30.60	177.97	12.18	54.33	-17.25	-104.70	-24.94	67.84	1.17	0.56	29.08	12.25	3.56
1400	-28.48	157.61	12.10	33.75	-17.31	-122.32	-25.18	48.42	1.18	0.55	28.65	12.50	3.63
1600	-26.76	143.27	12.00	13.25	-17.37	-139.83	-26.26	30.13	1.19	0.54	29.12	12.38	3.62
1800	-25.70	129.74	11.93	-7.18	-17.46	-157.41	-27.99	17.18	1.20	0.53	29.26	12.52	3.61
2000	-24.81	113.28	11.84	-27.57	-17.54	-175.10	-29.42	4.23	1.22	0.52	28.99	12.68	3.39
2200	-23.74	97.17	11.76	-47.95	-17.62	167.14	-32.65	-2.81	1.23	0.51	28.81	12.63	3.38
2400	-22.34	79.93	11.66	-68.31	-17.75	149.18	-36.83	-5.35	1.25	0.50	28.75	12.54	3.64
2600	-21.03	65.47	11.57	-88.58	-17.85	131.36	-38.48	61.52	1.26	0.49	28.50	12.41	3.67
2800	-19.79	47.99	11.49	-108.78	-17.93	113.52	-34.16	76.46	1.28	0.48	28.28	12.34	3.64
3000	-18.78	30.72	11.40	-128.96	-18.07	95.61	-29.78	67.98	1.30	0.47	28.19	12.32	3.53
3200	-17.86	15.10	11.32	-148.85	-18.22	77.53	-27.12	59.30	1.32	0.46	27.90	12.51	3.57
3400	-17.62	-1.71	11.25	-169.05	-18.34	59.28	-26.13	37.74	1.33	0.45	27.93	12.61	3.77
3600	-17.12	-18.54	11.18	170.93	-18.45	41.03	-24.37	20.53	1.35	0.44	27.41	12.48	3.75
3800	-16.99	-35.76	11.11	151.00	-18.63	22.67	-23.53	7.36	1.38	0.43	26.60	12.13	3.85
4000	-16.62	-53.49	11.05	131.08	-18.76	4.12	-22.37	-5.50	1.40	0.42	26.08	12.14	3.74
4200	-16.63	-73.80	11.02	110.92	-18.82	-14.39	-22.39	-20.16	1.41	0.42	26.12	12.32	3.69
4400	-16.36	-92.00	10.97	90.97	-18.93	-32.92	-21.81	-36.07	1.43	0.41	26.22	12.24	3.75
4600	-16.35	-111.23	10.94	70.97	-19.07	-51.92	-21.39	-50.05	1.44	0.41	26.16	12.13	4.00
4800	-16.15	-127.58	10.90	51.12	-19.18	-70.74	-20.92	-66.18	1.46	0.40	25.88	12.36	3.99
5000	-16.30	-145.43	10.94	31.05	-19.34	-89.66	-20.82	-82.05	1.48	0.39	25.66	12.44	3.97
5200	-16.54	-163.33	10.92	11.06	-19.40	-108.97	-20.78	-100.23	1.49	0.39	25.38	12.22	3.90
5400	-16.61	-179.61	10.96	-8.70	-19.51	-128.82	-19.82	-112.01	1.50	0.39	25.21	11.86	3.78
5600	-17.64	162.47	11.03	-28.71	-19.56	-148.23	-20.30	-121.64	1.50	0.38	24.97	11.33	3.88
5800	-18.31	142.20	11.09	-49.14	-19.56	-167.59	-21.41	-138.63	1.49	0.39	24.39	11.54	3.95
6000	-19.19	121.77	11.16	-69.58	-19.57	-172.63	-20.56	-152.90	1.49	0.39	23.58	11.46	4.00
6200	-20.13	97.24	11.27	-90.12	-19.57	153.15	-20.70	-159.75	1.47	0.39	23.20	11.51	3.81
6400	-21.55	75.94	11.41	-111.13	-19.57	132.78	-20.59	-172.39	1.46	0.39	22.79	11.36	3.85
6600	-23.17	43.71	11.51	-132.33	-19.57	113.47	-20.86	179.59	1.45	0.40	22.29	11.13	3.96
6800	-24.81	11.48	11.65	-153.56	-19.45	93.76	-19.87	167.64	1.42	0.41	21.86	10.83	3.98
7000	-25.63	-29.10	11.77	-175.72	-19.43	72.90	-18.71	156.17	1.40	0.42	21.34	10.64	4.04
7200	-26.45	-83.72	11.92	162.22	-19.28	53.52	-17.56	146.56	1.36	0.43	20.91	10.40	4.01
7500	-22.56	-157.15	12.08	128.10	-19.02	23.97	-15.25	126.85	1.31	0.46	20.66	10.45	4.08
8000	-16.84	130.72	12.04	69.23	-18.73	-26.18	-13.13	87.90	1.27	0.49	19.12	9.59	4.13

TYPE: MMIC Amplifier
 MODEL: GALI-1 Reference Data: RDF-1245H
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 32mA, Vd = 3.49V @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	-30.25	-8.30	12.39	173.81	-16.95	-5.31	-29.18	176.21	1.14	0.59	25.94	9.56	3.50
100	-28.55	-11.79	12.41	168.80	-16.97	-9.07	-30.30	171.65	1.14	0.59	25.61	9.35	3.63
200	-28.51	-18.84	12.37	158.44	-16.97	-17.82	-31.07	161.89	1.14	0.59	25.56	9.78	3.44
400	-31.79	-55.53	12.31	137.48	-16.99	-34.95	-27.31	146.55	1.15	0.58	25.27	9.67	3.55
600	-31.30	-85.29	12.24	116.54	-17.02	-52.33	-27.24	129.22	1.15	0.58	25.11	9.63	3.50
800	-30.12	-114.47	12.17	95.72	-17.04	-69.85	-27.06	112.85	1.16	0.57	25.64	9.55	3.59
1000	-28.86	-133.74	12.08	74.98	-17.07	-87.32	-27.88	92.42	1.17	0.56	25.67	9.43	3.52
1200	-28.42	-165.46	12.00	54.28	-17.11	-104.89	-27.39	70.13	1.17	0.55	25.46	9.26	3.54
1400	-26.71	171.50	11.93	33.70	-17.18	-122.49	-27.65	50.36	1.18	0.55	25.17	9.61	3.63
1600	-25.17	153.97	11.84	13.18	-17.24	-140.03	-29.03	32.93	1.19	0.54	25.43	9.41	3.59
1800	-24.09	138.27	11.76	-7.32	-17.31	-157.75	-31.62	25.08	1.20	0.53	25.78	9.55	3.54
2000	-23.31	120.33	11.68	-27.70	-17.39	-175.51	-33.45	17.82	1.22	0.52	25.63	9.75	3.35
2200	-22.39	102.79	11.60	-48.09	-17.49	166.78	-36.71	25.66	1.23	0.51	25.55	9.70	3.34
2400	-21.11	84.65	11.49	-68.45	-17.58	148.91	-38.55	56.00	1.25	0.50	25.69	9.64	3.60
2600	-19.90	68.77	11.41	-88.73	-17.70	131.01	-32.54	85.00	1.26	0.49	25.13	9.39	3.63
2800	-18.83	50.48	11.33	-108.95	-17.82	113.14	-30.03	80.34	1.28	0.48	25.22	9.40	3.62
3000	-17.81	32.62	11.24	-129.20	-17.92	95.09	-26.89	68.00	1.29	0.47	25.34	9.48	3.48
3200	-17.01	16.49	11.17	-149.08	-18.09	77.07	-25.13	57.00	1.32	0.46	25.50	9.70	3.55
3400	-16.72	-0.73	11.09	-169.30	-18.19	58.79	-24.24	36.46	1.33	0.45	25.64	9.91	3.75
3600	-16.29	-17.90	11.04	-170.66	-18.32	40.66	-22.87	19.06	1.35	0.44	25.22	9.82	3.71
3800	-16.17	-35.67	10.97	150.69	-18.47	22.30	-22.27	5.39	1.37	0.43	24.49	9.37	3.81
4000	-15.83	-53.62	10.92	130.79	-18.60	3.70	-21.20	-8.11	1.39	0.43	24.12	9.46	3.71
4200	-15.84	-73.82	10.88	110.59	-18.68	-14.73	-21.35	-23.00	1.40	0.42	24.27	9.68	3.65
4400	-15.58	-92.29	10.83	90.56	-18.79	-33.50	-20.80	-39.13	1.42	0.42	24.28	9.62	3.69
4600	-15.60	-111.65	10.82	70.59	-18.95	-52.39	-20.49	-53.23	1.44	0.41	24.17	9.51	3.97
4800	-15.38	-128.40	10.76	50.63	-19.02	-71.22	-20.07	-69.31	1.45	0.40	23.90	9.97	4.00
5000	-15.55	-146.38	10.83	30.58	-19.19	-90.19	-20.08	-85.41	1.47	0.40	23.87	10.30	3.95
5200	-15.73	-164.64	10.80	10.51	-19.24	-109.46	-20.03	-103.42	1.48	0.39	23.84	10.06	3.89
5400	-15.79	178.50	10.83	-9.33	-19.35	-129.32	-19.17	-115.47	1.49	0.39	23.83	9.47	3.75
5600	-16.75	160.03	10.91	-29.30	-19.39	-148.74	-19.74	-125.62	1.49	0.39	23.83	8.85	3.87
5800	-17.30	139.45	10.98	-49.83	-19.39	-168.01	-20.78	-143.17	1.48	0.39	23.34	9.43	3.92
6000	-18.09	118.36	11.05	-70.35	-19.40	-172.11	-20.00	-157.47	1.48	0.39	22.65	9.58	3.98
6200	-18.86	93.91	11.16	-90.98	-19.40	152.59	-20.28	-164.88	1.46	0.39	22.38	9.87	3.76
6400	-20.01	71.75	11.32	-112.01	-19.39	132.24	-20.27	-177.73	1.45	0.40	21.99	10.04	3.80
6600	-21.30	40.79	11.41	-133.31	-19.40	112.92	-20.66	174.01	1.44	0.40	21.59	9.92	3.92
6800	-22.46	10.54	11.54	-154.63	-19.27	93.16	-19.74	162.14	1.41	0.42	21.07	9.75	3.92
7000	-23.21	-26.28	11.68	-176.80	-19.27	72.42	-18.69	151.69	1.39	0.42	20.58	9.53	3.99
7200	-24.11	-72.24	11.82	160.93	-19.11	52.88	-17.62	142.50	1.36	0.44	20.31	9.25	3.96
7500	-21.98	-143.57	11.97	126.75	-18.83	23.33	-15.38	123.58	1.30	0.47	20.17	9.31	4.06
8000	-16.81	137.90	11.90	67.74	-18.55	-26.79	-13.29	85.22	1.27	0.50	18.58	8.49	4.06

TYPE: MMIC Amplifier
 MODEL: GALI-1 Reference Data: RDF-1245H
 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	-41.78	-14.37	12.68	173.83	-17.15	-5.22	-24.48	173.00	1.13	0.60	32.39	14.27	3.54
100	-35.95	-13.98	12.70	168.80	-17.16	-9.24	-25.29	172.41	1.13	0.60	32.40	14.29	3.70
200	-35.12	-14.55	12.66	158.45	-17.20	-17.73	-25.65	160.63	1.14	0.59	32.27	14.44	3.53
400	-42.74	-95.51	12.59	137.48	-17.23	-34.91	-23.54	144.47	1.14	0.59	31.72	14.44	3.59
600	-38.82	-133.22	12.53	116.60	-17.22	-52.18	-23.51	126.07	1.15	0.58	31.02	14.32	3.54
800	-35.34	-155.07	12.45	95.73	-17.27	-69.73	-23.60	108.74	1.15	0.57	31.25	14.20	3.63
1000	-33.57	-163.54	12.37	75.05	-17.29	-87.14	-23.99	88.07	1.16	0.57	31.22	14.16	3.57
1200	-31.59	163.69	12.27	54.40	-17.33	-104.75	-23.78	67.02	1.17	0.56	31.04	13.98	3.59
1400	-29.27	145.88	12.19	33.85	-17.39	-122.20	-24.06	47.54	1.18	0.55	30.63	14.06	3.65
1600	-27.57	134.61	12.10	13.34	-17.46	-139.78	-24.92	28.95	1.19	0.54	31.01	14.02	3.63
1800	-26.58	122.62	12.02	-7.06	-17.53	-157.38	-26.44	15.24	1.20	0.53	30.87	14.07	3.63
2000	-25.63	107.86	11.93	-27.42	-17.60	-175.07	-27.62	0.39	1.21	0.52	30.56	14.24	3.43
2200	-24.57	92.48	11.85	-47.78	-17.72	167.26	-30.40	-10.49	1.23	0.51	30.40	14.23	3.41
2400	-23.10	76.38	11.75	-68.07	-17.80	149.41	-34.00	-20.52	1.25	0.50	30.02	14.15	3.66
2600	-21.68	62.86	11.66	-88.34	-17.91	131.50	-41.41	22.90	1.26	0.49	29.74	14.08	3.70
2800	-20.44	45.84	11.57	-108.56	-18.03	113.61	-38.00	69.36	1.28	0.48	29.61	14.06	3.68
3000	-19.36	28.94	11.48	-128.70	-18.14	95.69	-31.84	67.51	1.30	0.47	29.34	14.05	3.55
3200	-18.42	13.97	11.39	-148.60	-18.31	77.67	-28.54	60.64	1.32	0.45	28.79	14.07	3.61
3400	-18.13	-2.60	11.33	-168.71	-18.40	59.48	-27.40	38.73	1.34	0.45	28.60	14.09	3.80
3600	-17.60	-19.13	11.26	171.25	-18.54	41.27	-25.37	21.30	1.35	0.44	28.09	14.01	3.78
3800	-17.55	-36.40	11.18	151.33	-18.68	22.83	-24.35	8.49	1.38	0.43	27.53	13.76	3.90
4000	-17.11	-53.89	11.13	131.46	-18.82	4.30	-23.12	-3.91	1.40	0.42	26.94	13.66	3.79
4200	-17.17	-74.07	11.08	111.32	-18.92	-14.20	-23.11	-18.23	1.42	0.42	26.88	13.70	3.72
4400	-16.92	-92.15	11.03	91.38	-19.04	-32.72	-22.41	-34.23	1.43	0.41	26.90	13.66	3.78
4600	-16.90	-111.23	11.00	71.45	-19.17	-51.68	-21.94	-48.04	1.45	0.40	26.81	13.62	4.03
4800	-16.71	-127.33	10.95	51.59	-19.26	-70.53	-21.40	-64.15	1.47	0.40	26.74	13.68	4.05
5000	-16.84	-144.86	11.01	31.60	-19.43	-89.49	-21.30	-80.12	1.48	0.39	26.35	13.62	4.03
5200	-17.16	-162.50	10.97	11.62	-19.49	-108.67	-21.20	-98.48	1.50	0.39	26.03	13.41	3.96
5400	-17.18	-178.47	11.01	-8.09	-19.61	-128.60	-20.15	-110.07	1.50	0.38	25.78	13.19	3.83
5600	-18.31	164.01	11.08	-28.08	-19.65	-147.92	-20.62	-119.31	1.51	0.38	25.35	12.63	3.93
5800	-19.10	144.20	11.13	-48.44	-19.66	-167.37	-21.76	-136.14	1.50	0.38	24.85	12.69	3.97
6000	-20.02	123.87	11.21	-68.80	-19.67	172.91	-20.84	-150.52	1.49	0.38	23.93	12.44	4.04
6200	-21.14	99.57	11.31	-89.32	-19.67	153.33	-20.93	-157.14	1.48	0.39	23.60	12.32	3.85
6400	-22.65	78.75	11.46	-110.25	-19.69	133.05	-20.77	-169.51	1.47	0.39	23.11	12.12	3.89
6600	-24.90	45.85	11.56	-131.38	-19.68	113.54	-21.00	-177.68	1.46	0.39	22.69	11.87	4.03
6800	-26.79	11.83	11.69	-152.52	-19.56	93.93	-19.96	170.17	1.43	0.41	22.23	11.58	4.02
7000	-27.86	-33.65	11.82	-174.59	-19.56	73.19	-18.77	158.49	1.41	0.41	21.71	11.35	4.09
7200	-28.04	-98.08	11.96	163.41	-19.40	53.63	-17.57	148.57	1.37	0.43	21.28	11.15	4.07
7500	-22.58	-166.05	12.13	129.41	-19.13	24.19	-15.23	128.84	1.32	0.46	21.10	11.14	4.16
8000	-16.72	126.07	12.12	70.76	-18.84	-25.82	-13.09	89.52	1.27	0.49	19.47	10.26	4.20

TYPE: MMIC Amplifier
 MODEL: GALI-1 Reference Data: RDF-1245H
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 40mA, Vd = 3.21V @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	-34.88	2.98	12.29	174.03	-16.97	-4.12	-26.79	171.53	1.15	0.58	28.78	12.36	4.72
100	-38.44	7.83	12.31	169.29	-16.93	-9.07	-25.48	169.63	1.14	0.59	28.53	12.42	4.90
200	-46.00	-66.93	12.27	159.54	-16.99	-16.47	-24.32	161.97	1.15	0.58	28.61	12.63	4.66
400	-33.67	-63.00	12.19	139.77	-17.00	-32.22	-26.34	155.50	1.15	0.57	27.89	12.52	4.80
600	-31.71	-93.07	12.11	120.13	-17.04	-48.19	-26.59	136.41	1.16	0.57	27.38	12.43	4.75
800	-29.30	-110.49	12.02	100.52	-17.06	-64.32	-27.42	121.55	1.17	0.56	27.80	12.24	4.85
1000	-27.94	-129.87	11.92	81.07	-17.12	-80.17	-28.11	103.08	1.18	0.55	27.76	12.24	4.79
1200	-26.70	-147.65	11.83	61.67	-17.18	-96.15	-28.93	87.10	1.19	0.54	27.40	12.01	4.85
1400	-25.66	-166.65	11.74	42.41	-17.24	-112.35	-29.35	72.09	1.20	0.53	26.93	12.15	4.97
1600	-24.76	176.14	11.65	23.17	-17.33	-128.34	-30.33	60.46	1.22	0.52	27.44	12.09	4.93
1800	-23.91	156.84	11.56	3.99	-17.41	-144.61	-31.30	54.05	1.23	0.51	27.43	12.18	4.93
2000	-22.71	139.42	11.47	-15.11	-17.50	-160.84	-33.06	54.54	1.24	0.50	27.11	12.27	4.72
2200	-21.55	123.30	11.38	-34.17	-17.62	-177.00	-34.66	64.15	1.26	0.49	26.91	12.21	4.74
2400	-20.25	107.12	11.27	-53.22	-17.73	166.58	-33.72	85.50	1.28	0.48	26.76	12.11	5.03
2600	-19.20	91.36	11.18	-72.20	-17.87	150.20	-31.16	94.84	1.30	0.46	26.14	12.02	5.07
2800	-18.17	75.22	11.09	-91.08	-18.01	133.77	-28.68	87.83	1.32	0.45	26.08	12.04	5.04
3000	-17.24	59.37	11.00	-110.01	-18.12	117.27	-26.38	76.69	1.34	0.44	25.86	12.03	4.90
3200	-16.42	44.80	10.90	-128.62	-18.30	100.82	-24.32	64.74	1.36	0.43	25.30	12.06	4.97
3400	-15.75	29.27	10.82	-147.51	-18.43	84.00	-22.86	49.58	1.38	0.43	25.15	12.08	5.20
3600	-15.25	14.20	10.76	-166.24	-18.57	67.40	-21.59	34.41	1.40	0.42	24.58	11.78	5.22
3800	-14.86	-0.67	10.67	175.18	-18.74	50.48	-20.80	20.49	1.43	0.41	23.89	11.34	5.30
4000	-14.58	-15.85	10.63	156.61	-18.90	33.65	-20.04	6.54	1.45	0.40	23.40	11.46	5.18
4200	-14.55	-32.32	10.58	137.86	-19.00	16.63	-19.88	-9.15	1.47	0.40	23.43	11.54	5.11
4400	-14.58	-49.16	10.54	119.19	-19.13	-0.44	-19.76	-23.76	1.49	0.39	23.41	11.48	5.20
4600	-14.79	-66.48	10.54	100.50	-19.24	-17.80	-19.79	-37.83	1.51	0.39	23.16	11.42	5.49
4800	-15.00	-85.21	10.50	81.72	-19.31	-35.19	-19.93	-51.81	1.52	0.38	22.84	11.38	5.58
5000	-14.98	-104.69	10.56	62.88	-19.51	-52.71	-19.72	-64.89	1.54	0.38	22.44	11.14	5.45
5200	-15.18	-124.81	10.55	43.92	-19.56	-70.50	-20.20	-77.27	1.55	0.37	21.95	10.70	5.34
5400	-15.24	-143.35	10.59	25.17	-19.67	-88.90	-19.95	-88.42	1.56	0.37	21.67	10.28	5.24
5600	-15.23	-162.70	10.64	6.18	-19.72	-106.90	-19.84	-100.74	1.56	0.37	21.25	9.83	5.41
5800	-15.37	177.45	10.69	-13.07	-19.72	-124.78	-20.37	-111.28	1.55	0.37	20.51	10.14	5.49
6000	-15.68	159.19	10.76	-32.53	-19.72	-142.81	-20.89	-126.33	1.55	0.37	19.69	9.89	5.49
6200	-16.19	139.43	10.86	-52.13	-19.71	-160.92	-21.22	-136.15	1.53	0.37	19.18	9.66	5.26
6400	-16.63	120.61	11.00	-72.22	-19.72	-179.90	-21.22	-147.97	1.52	0.38	18.74	9.32	5.27
6600	-17.65	97.40	11.06	-92.55	-19.70	162.42	-22.26	-152.90	1.51	0.38	18.30	9.12	5.41
6800	-19.45	73.77	11.19	-112.95	-19.51	144.27	-21.88	-153.39	1.47	0.39	17.78	8.73	5.46
7000	-20.80	45.88	11.28	-134.36	-19.50	124.89	-21.66	-161.42	1.47	0.39	17.51	8.52	5.58
7200	-22.94	6.71	11.35	-155.95	-19.31	106.83	-19.81	-168.07	1.43	0.40	17.24	8.10	5.54
7500	-22.89	-67.43	11.36	170.94	-19.09	79.48	-17.28	173.79	1.40	0.42	17.02	8.10	5.65
8000	-16.87	-152.42	10.94	114.51	-18.77	32.91	-14.05	135.82	1.39	0.43	15.33	7.12	5.64

TYPE: MMIC Amplifier
 MODEL: GALI-1 Reference Data: RDF-1245H
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 32mA, Vd = 3.18V @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	-28.86	-0.08	12.04	174.05	-16.78	-4.47	-31.82	167.02	1.15	0.58	25.06	9.89	4.70
100	-30.33	-2.93	12.07	169.34	-16.70	-8.64	-29.29	168.66	1.14	0.59	24.78	9.76	4.89
200	-33.07	-29.33	12.01	159.53	-16.81	-16.51	-27.86	162.45	1.15	0.57	24.90	10.23	4.78
400	-28.68	-52.41	11.95	139.76	-16.83	-32.37	-31.04	165.29	1.16	0.57	24.27	10.03	4.80
600	-27.74	-79.41	11.86	120.06	-16.87	-48.31	-30.78	145.33	1.17	0.56	24.02	9.94	4.77
800	-26.14	-99.58	11.79	100.45	-16.91	-64.36	-32.19	134.99	1.17	0.55	24.58	9.85	4.84
1000	-25.11	-119.85	11.68	80.99	-16.94	-80.43	-32.86	116.72	1.18	0.54	24.57	9.63	4.79
1200	-24.20	-139.13	11.60	61.60	-16.99	-96.53	-34.50	106.41	1.19	0.54	24.28	9.50	4.84
1400	-23.50	-159.10	11.52	42.30	-17.07	-112.62	-34.79	95.41	1.21	0.53	23.94	9.94	4.94
1600	-22.76	-177.54	11.42	23.07	-17.16	-128.72	-35.56	95.44	1.22	0.52	24.26	9.77	4.93
1800	-22.07	163.05	11.33	3.87	-17.23	-145.00	-34.84	94.53	1.23	0.51	24.69	9.90	4.91
2000	-21.00	144.84	11.23	-15.29	-17.31	-161.24	-33.88	103.94	1.25	0.50	24.41	9.96	4.69
2200	-20.11	127.55	11.16	-34.40	-17.43	-177.42	-31.89	110.27	1.26	0.49	24.25	9.82	4.70
2400	-18.94	110.41	11.05	-53.45	-17.56	166.04	-29.45	109.82	1.28	0.47	24.41	9.73	5.00
2600	-17.95	94.01	10.94	-72.45	-17.69	149.65	-27.23	104.64	1.30	0.46	23.89	9.51	5.05
2800	-17.09	77.03	10.87	-91.37	-17.82	133.21	-25.39	92.62	1.32	0.45	23.98	9.63	5.01
3000	-16.25	60.73	10.78	-110.33	-17.93	116.70	-23.97	79.03	1.33	0.45	23.93	9.70	4.86
3200	-15.54	45.56	10.70	-128.97	-18.13	100.15	-22.30	65.44	1.36	0.44	23.80	9.83	4.95
3400	-14.88	29.66	10.61	-147.90	-18.25	83.40	-21.24	49.47	1.38	0.43	23.77	10.00	5.16
3600	-14.41	14.19	10.55	-166.65	-18.37	66.58	-20.17	34.14	1.39	0.42	23.32	9.55	5.13
3800	-14.11	-0.99	10.48	174.75	-18.57	49.86	-19.49	19.79	1.42	0.41	22.64	9.06	5.29
4000	-13.78	-16.62	10.41	156.10	-18.71	32.91	-18.87	5.42	1.44	0.41	22.25	9.40	5.16
4200	-13.78	-33.24	10.38	137.32	-18.82	15.88	-18.70	-10.41	1.46	0.40	22.38	9.67	5.09
4400	-13.80	-50.26	10.34	118.64	-18.92	-1.20	-18.68	-25.31	1.48	0.40	22.33	9.63	5.15
4600	-13.99	-67.88	10.34	99.87	-19.05	-18.43	-18.70	-39.73	1.50	0.39	22.19	9.61	5.47
4800	-14.16	-86.78	10.30	81.06	-19.13	-35.97	-18.92	-53.82	1.51	0.38	21.82	9.71	5.53
5000	-14.12	-106.32	10.37	62.16	-19.30	-53.55	-18.73	-67.34	1.53	0.38	21.58	9.54	5.43
5200	-14.32	-126.44	10.37	43.18	-19.36	-71.30	-19.20	-80.29	1.54	0.38	21.28	9.00	5.33
5400	-14.33	-145.28	10.40	24.33	-19.45	-89.60	-19.08	-91.82	1.55	0.37	21.14	8.33	5.18
5600	-14.34	-164.62	10.46	5.30	-19.52	-107.80	-18.97	-104.75	1.55	0.37	20.70	8.09	5.36
5800	-14.48	175.52	10.52	-14.00	-19.51	-125.60	-19.53	-116.06	1.54	0.37	20.05	8.77	5.43
6000	-14.68	156.81	10.57	-33.59	-19.52	-143.66	-20.07	-131.26	1.53	0.37	19.29	8.60	5.45
6200	-15.18	136.85	10.67	-53.24	-19.49	-161.77	-20.41	-142.12	1.52	0.38	18.80	8.60	5.22
6400	-15.55	117.40	10.80	-73.45	-19.49	179.26	-20.51	-154.35	1.51	0.38	18.37	8.31	5.17
6600	-16.46	94.22	10.88	-93.77	-19.48	161.59	-21.62	-160.98	1.50	0.38	17.89	8.11	5.35
6800	-17.90	70.12	11.00	-114.31	-19.29	143.42	-21.63	-161.81	1.47	0.39	17.40	7.76	5.42
7000	-19.02	42.76	11.07	-135.79	-19.26	124.01	-21.55	-170.44	1.46	0.39	17.17	7.57	5.54
7200	-20.69	6.69	11.15	-157.38	-19.10	105.99	-19.96	-175.64	1.43	0.41	16.90	7.12	5.46
7500	-21.07	-58.77	11.12	169.28	-18.84	78.37	-17.51	167.97	1.40	0.42	16.68	7.14	5.59
8000	-16.43	-145.95	10.68	112.86	-18.55	31.76	-14.34	131.68	1.39	0.43	15.10	6.33	5.55

TYPE: MMIC Amplifier
 MODEL: GALI-1 Reference Data: RDF-1245H
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -20dBm, Icc = 48mA, Vd = 3.33V @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	-41.70	15.87	12.44	174.03	-17.07	-4.41	-24.67	172.20	1.14	0.59	31.53	13.91	4.74
100	-47.48	60.76	12.46	169.31	-17.05	-8.38	-23.81	169.25	1.14	0.59	31.15	13.75	4.96
200	-42.62	-171.99	12.40	159.50	-17.10	-16.44	-22.84	161.80	1.15	0.58	31.16	13.85	4.70
400	-37.97	-81.89	12.32	139.79	-17.13	-32.13	-24.60	152.63	1.15	0.57	30.21	13.88	4.81
600	-34.77	-113.61	12.25	120.16	-17.15	-48.10	-24.72	133.95	1.16	0.57	29.50	13.75	4.75
800	-31.59	-123.06	12.16	100.61	-17.19	-64.04	-25.46	118.17	1.17	0.56	29.67	13.55	4.86
1000	-29.87	-140.19	12.07	81.18	-17.24	-80.04	-26.04	99.60	1.18	0.55	29.34	13.51	4.85
1200	-28.22	-155.32	11.96	61.77	-17.28	-96.07	-26.65	82.62	1.19	0.54	29.09	13.30	4.88
1400	-27.14	-173.90	11.88	42.55	-17.36	-112.15	-27.13	66.75	1.20	0.53	28.60	13.35	5.00
1600	-26.04	170.04	11.77	23.32	-17.43	-128.14	-27.96	53.35	1.21	0.52	28.92	13.30	5.00
1800	-25.18	150.93	11.69	4.19	-17.52	-144.35	-28.94	43.40	1.23	0.51	28.56	13.36	4.97
2000	-23.73	134.82	11.59	-14.89	-17.62	-160.47	-30.80	37.14	1.24	0.50	28.28	13.48	4.75
2200	-22.50	119.61	11.50	-33.93	-17.73	-176.73	-33.32	36.97	1.26	0.49	27.87	13.40	4.79
2400	-21.14	104.20	11.40	-52.91	-17.84	166.94	-35.42	58.64	1.28	0.48	27.50	13.24	5.05
2600	-19.97	89.08	11.30	-71.92	-17.98	150.56	-34.12	82.47	1.30	0.46	27.04	13.19	5.13
2800	-18.83	73.32	11.20	-90.78	-18.11	134.15	-31.03	82.27	1.32	0.45	26.75	13.24	5.05
3000	-17.91	57.89	11.12	-109.62	-18.23	117.68	-28.15	74.35	1.34	0.44	26.41	13.23	4.95
3200	-17.02	43.91	11.02	-128.23	-18.41	101.23	-25.70	63.86	1.36	0.43	25.83	13.16	5.02
3400	-16.36	28.66	10.95	-147.05	-18.54	84.44	-23.98	49.17	1.38	0.42	25.51	13.12	5.23
3600	-15.78	13.94	10.87	-165.76	-18.67	67.81	-22.53	34.50	1.40	0.42	24.93	12.80	5.27
3800	-15.40	-0.62	10.79	175.69	-18.85	50.98	-21.61	20.92	1.43	0.41	24.26	12.39	5.35
4000	-15.10	-15.55	10.73	157.12	-19.00	33.98	-20.79	7.32	1.45	0.40	23.87	12.34	5.23
4200	-15.06	-31.84	10.68	138.38	-19.12	17.04	-20.59	-8.37	1.47	0.39	23.76	12.33	5.15
4400	-15.14	-48.44	10.65	119.78	-19.24	-0.19	-20.41	-22.86	1.49	0.39	23.70	12.34	5.24
4600	-15.31	-65.70	10.63	101.11	-19.37	-17.35	-20.43	-36.97	1.51	0.38	23.49	12.30	5.55
4800	-15.58	-84.30	10.60	82.42	-19.45	-34.75	-20.56	-50.58	1.53	0.38	23.11	12.19	5.59
5000	-15.52	-103.85	10.66	63.57	-19.63	-52.21	-20.32	-63.52	1.55	0.37	22.68	11.95	5.51
5200	-15.81	-123.86	10.65	44.73	-19.70	-70.01	-20.77	-75.53	1.56	0.37	22.21	11.56	5.39
5400	-15.88	-142.25	10.69	26.03	-19.80	-88.34	-20.49	-86.37	1.57	0.36	21.85	11.24	5.29
5600	-15.84	-161.71	10.74	7.07	-19.86	-106.34	-20.36	-98.51	1.57	0.36	21.34	10.76	5.46
5800	-16.03	178.69	10.80	-12.09	-19.86	-124.30	-20.87	-108.66	1.56	0.36	20.68	10.92	5.53
6000	-16.37	160.67	10.86	-31.52	-19.87	-142.34	-21.42	-123.34	1.56	0.37	19.87	10.58	5.55
6200	-16.94	141.14	10.96	-51.02	-19.85	-160.43	-21.68	-132.85	1.54	0.37	19.35	10.32	5.34
6400	-17.37	122.63	11.10	-71.09	-19.86	-179.46	-21.68	-144.28	1.53	0.37	18.92	9.96	5.31
6600	-18.54	99.55	11.17	-91.30	-19.87	163.08	-22.63	-148.52	1.52	0.37	18.50	9.76	5.49
6800	-20.62	76.24	11.30	-111.62	-19.67	144.90	-22.10	-148.53	1.48	0.38	17.98	9.40	5.56
7000	-22.08	47.57	11.39	-133.05	-19.65	125.49	-21.78	-156.57	1.47	0.39	17.71	9.16	5.67
7200	-24.80	5.45	11.48	-154.46	-19.48	107.47	-19.83	-163.92	1.44	0.40	17.42	8.76	5.61
7500	-23.95	-75.81	11.50	172.45	-19.23	80.13	-17.22	177.36	1.40	0.42	17.19	8.74	5.74
8000	-17.03	-156.78	11.11	116.10	-18.90	33.55	-13.94	138.52	1.39	0.44	15.44	7.72	5.73