

GALI-6F Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

TYPE: MMIC Amplifier

MODEL: GALI-6F Reference Data: RDF-1245E

S PARAMETERS are presented in dB/deg Format

TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 50mA, Vd = 4.64V @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	-22.21	-1.65	12.79	174.05	-18.61	-5.02	-36.99	10.20	1.23	0.51	30.96	15.01	4.17
100	-22.08	-9.94	12.81	169.01	-18.62	-8.72	-37.34	-8.92	1.23	0.51	31.12	15.15	4.36
200	-22.52	-24.10	12.78	158.68	-18.63	-16.82	-37.53	-24.69	1.23	0.51	31.30	15	4.23
300	-22.06	-35.71	12.74	148.31	-18.65	-24.99	-38.44	-43.83	1.24	0.51	31.00	14.88	4.35
400	-22.38	-48.42	12.71	137.96	-18.65	-33.00	-37.76	-59.23	1.24	0.51	30.65	15.1	4.39
500	-21.95	-60.56	12.68	127.61	-18.68	-41.23	-37.84	-75.32	1.24	0.50	30.50	15.06	4.35
600	-22.28	-72.15	12.63	117.47	-18.69	-49.35	-37.22	-90.35	1.25	0.50	30.38	14.91	4.31
700	-21.73	-84.65	12.59	107.00	-18.70	-57.54	-36.61	-101.02	1.25	0.50	30.65	15.02	4.33
800	-22.06	-94.42	12.54	96.80	-18.74	-65.64	-36.15	-113.60	1.26	0.49	30.83	15.1	4.41
900	-21.36	-106.63	12.51	86.69	-18.74	-73.96	-35.18	-125.39	1.26	0.49	30.82	15.15	4.34
1000	-21.65	-116.51	12.46	76.25	-18.77	-82.27	-34.73	-134.16	1.27	0.48	30.58	15.15	4.35
1100	-21.19	-131.20	12.42	66.04	-18.81	-90.62	-34.22	-144.57	1.28	0.48	30.37	14.93	4.28
1200	-21.11	-138.89	12.37	55.97	-18.84	-98.81	-33.25	-152.68	1.28	0.48	30.22	14.65	4.38
1300	-20.90	-152.90	12.33	45.81	-18.89	-107.13	-32.46	-160.39	1.29	0.47	30.01	14.71	4.4
1400	-20.35	-161.24	12.28	35.63	-18.93	-115.33	-31.79	-170.26	1.30	0.47	29.67	14.71	4.41
1500	-20.24	-172.43	12.23	25.56	-18.98	-123.60	-30.95	-176.79	1.31	0.46	29.61	14.64	4.46
1600	-19.62	-177.98	12.18	15.38	-19.02	-131.90	-29.73	-175.26	1.31	0.46	30.07	14.66	4.46
1700	-19.60	166.37	12.14	5.29	-19.08	-140.29	-28.86	-167.40	1.32	0.45	30.44	14.8	4.45
1800	-18.95	156.36	12.08	-4.84	-19.14	-148.50	-28.09	-159.39	1.33	0.45	30.22	14.67	4.44
1900	-18.70	147.32	12.05	-14.90	-19.18	-156.93	-27.05	-150.99	1.34	0.44	29.84	14.7	4.46
2000	-18.13	137.11	12.03	-24.87	-19.26	-165.27	-26.08	-143.81	1.35	0.44	29.70	14.59	4.39
2100	-17.92	128.84	11.94	-35.06	-19.31	-173.52	-25.37	-136.40	1.36	0.43	29.50	14.61	4.5
2200	-17.44	118.39	11.91	-45.05	-19.39	178.25	-24.45	-128.27	1.37	0.43	29.38	14.74	4.35
2300	-17.07	110.17	11.85	-55.09	-19.44	169.73	-23.59	-120.55	1.38	0.42	29.25	14.83	4.51
2400	-16.80	100.27	11.79	-65.18	-19.53	161.37	-22.84	-113.03	1.40	0.42	29.10	14.8	4.43
2500	-16.41	91.75	11.75	-75.11	-19.59	152.99	-22.11	-104.89	1.41	0.41	28.90	14.89	4.46
2600	-16.08	83.11	11.67	-84.98	-19.69	144.56	-21.40	-96.60	1.42	0.40	28.62	14.8	4.47
2700	-15.76	74.05	11.64	-95.01	-19.75	136.28	-20.80	-87.62	1.43	0.40	28.68	14.77	4.49
2800	-15.57	65.71	11.57	-104.86	-19.83	127.73	-20.30	-79.84	1.45	0.40	28.51	14.72	4.45
2900	-15.28	56.75	11.54	-114.83	-19.91	119.36	-19.77	-71.13	1.46	0.39	28.36	14.59	4.53
3000	-14.98	47.63	11.47	-124.77	-19.99	110.64	-19.36	-63.25	1.47	0.39	28.16	14.54	4.38
3100	-14.78	38.61	11.42	-134.68	-20.08	102.31	-18.80	-55.35	1.49	0.38	27.67	14.39	4.55
3200	-14.49	29.81	11.39	-144.42	-20.16	93.88	-18.33	-47.12	1.50	0.38	27.47	14.49	4.41
3300	-14.27	21.39	11.33	-154.43	-20.25	85.12	-17.98	-38.88	1.52	0.37	27.34	14.57	4.66
3400	-14.08	12.13	11.32	-164.26	-20.35	76.81	-17.55	-30.65	1.53	0.37	27.20	14.52	4.59
3500	-13.85	3.87	11.25	-174.04	-20.43	68.31	-17.25	-22.72	1.55	0.37	27.11	14.45	4.46
3600	-13.79	-5.65	11.25	175.97	-20.49	59.52	-16.94	-14.11	1.55	0.37	26.86	14.36	4.68
3700	-13.54	-13.83	11.17	166.39	-20.61	50.99	-16.64	-6.46	1.58	0.36	26.59	14.27	4.51
3800	-13.44	-22.48	11.16	156.43	-20.66	42.21	-16.43	-2.02	1.58	0.36	26.40	14.01	4.63
4000	-13.25	-39.76	11.06	136.76	-20.85	24.86	-15.97	-17.83	1.62	0.35	26.24	13.76	4.51

TYPE: MMIC Amplifier
 MODEL: GALI-6F Reference Data: RDF-1245E
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 40mA, Vd = 4.51V @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	-20.97	-2.54	12.59	174.04	-18.46	-4.63	-30.46	2.06	1.23	0.51	26.73	12.12	4.14
100	-20.90	-10.12	12.61	169.01	-18.45	-8.81	-30.49	-9.20	1.23	0.51	26.89	12.22	4.32
200	-21.25	-23.67	12.58	158.77	-18.49	-16.89	-30.72	-21.63	1.23	0.51	27.04	12.05	4.19
300	-20.86	-35.02	12.55	148.36	-18.51	-24.91	-31.12	-35.47	1.24	0.51	26.82	11.96	4.30
400	-21.18	-47.59	12.51	137.96	-18.55	-33.13	-30.91	-48.34	1.24	0.50	26.56	12.16	4.34
500	-20.79	-59.58	12.48	127.61	-18.55	-41.17	-31.22	-61.22	1.25	0.50	26.53	12.09	4.31
600	-21.05	-70.97	12.43	117.32	-18.56	-49.41	-31.17	-73.33	1.25	0.50	26.47	12.00	4.29
700	-20.57	-83.28	12.38	106.97	-18.56	-57.75	-30.98	-84.20	1.26	0.49	26.77	12.19	4.28
800	-20.89	-93.09	12.35	96.76	-18.59	-65.86	-30.56	-95.17	1.26	0.49	27.00	12.19	4.36
900	-20.32	-105.14	12.32	86.57	-18.62	-74.16	-30.23	-107.10	1.27	0.49	27.03	12.25	4.28
1000	-20.51	-114.98	12.27	76.21	-18.63	-82.47	-30.10	-117.14	1.27	0.48	26.81	12.29	4.31
1100	-20.13	-129.03	12.23	65.96	-18.67	-90.78	-29.83	-127.78	1.28	0.48	26.59	12.08	4.24
1200	-20.03	-137.35	12.17	55.85	-18.71	-99.06	-29.32	-137.98	1.29	0.47	26.49	11.78	4.35
1300	-19.84	-150.88	12.15	45.65	-18.74	-107.33	-28.80	-147.17	1.29	0.47	26.35	11.93	4.32
1400	-19.34	-159.57	12.10	35.43	-18.79	-115.62	-28.34	-157.42	1.30	0.47	26.09	11.85	4.36
1500	-19.29	-170.72	12.04	25.36	-18.84	-123.94	-27.68	-165.53	1.31	0.46	26.06	11.84	4.44
1600	-18.70	179.54	12.00	15.21	-18.90	-132.20	-26.95	-175.25	1.32	0.45	26.47	11.82	4.39
1700	-18.66	168.00	11.95	5.02	-18.95	-140.63	-26.34	175.70	1.33	0.45	26.85	11.96	4.40
1800	-18.07	157.84	11.90	-5.00	-19.00	-148.92	-25.68	166.93	1.34	0.44	26.70	11.83	4.41
1900	-17.86	148.59	11.87	-15.21	-19.07	-157.29	-24.88	157.72	1.34	0.44	26.43	11.85	4.37
2000	-17.36	138.13	11.84	-25.12	-19.11	-165.59	-24.08	149.43	1.35	0.44	26.31	11.81	4.34
2100	-17.17	129.87	11.77	-35.36	-19.19	-173.79	-23.47	141.37	1.36	0.43	26.17	11.80	4.45
2200	-16.74	119.33	11.73	-45.35	-19.26	-177.75	-22.73	132.82	1.37	0.43	26.15	11.93	4.32
2300	-16.41	110.87	11.67	-55.45	-19.34	-169.45	-22.04	124.30	1.39	0.42	26.21	12.10	4.45
2400	-16.12	100.99	11.62	-65.49	-19.41	-161.05	-21.46	116.06	1.40	0.41	26.24	12.12	4.38
2500	-15.75	92.43	11.57	-75.50	-19.46	-152.56	-20.83	107.54	1.41	0.41	26.20	12.22	4.43
2600	-15.42	83.53	11.49	-85.44	-19.55	-144.10	-20.26	98.88	1.42	0.40	26.05	12.17	4.44
2700	-15.11	74.32	11.47	-95.41	-19.61	-135.67	-19.74	89.66	1.43	0.40	26.24	12.16	4.45
2800	-14.93	65.84	11.41	-105.37	-19.69	-127.24	-19.26	81.78	1.45	0.40	26.15	12.04	4.39
2900	-14.68	56.83	11.37	-115.20	-19.79	-118.70	-18.78	73.02	1.46	0.39	26.05	11.97	4.48
3000	-14.42	47.61	11.31	-125.19	-19.86	-110.25	-18.43	64.84	1.47	0.39	25.94	12.00	4.33
3100	-14.21	38.49	11.25	-135.21	-19.93	-101.68	-17.97	56.60	1.48	0.38	25.54	12.07	4.49
3200	-13.92	29.64	11.22	-144.91	-20.02	-93.32	-17.56	48.26	1.50	0.38	25.47	12.26	4.32
3300	-13.71	21.05	11.16	-154.96	-20.11	-84.60	-17.22	39.95	1.51	0.38	25.44	12.43	4.60
3400	-13.56	11.72	11.15	-164.84	-20.20	-76.22	-16.82	31.54	1.52	0.37	25.37	12.44	4.52
3500	-13.34	3.32	11.09	-174.62	-20.28	-67.70	-16.53	23.44	1.54	0.37	25.32	12.30	4.42
3600	-13.29	-6.25	11.09	-175.33	-20.34	-58.99	-16.25	14.83	1.54	0.37	25.06	12.38	4.61
3700	-13.06	-14.52	11.00	-165.75	-20.48	-50.30	-15.99	7.08	1.57	0.36	24.77	12.31	4.43
3800	-12.95	-23.34	10.99	-155.75	-20.53	-41.74	-15.81	-1.46	1.58	0.36	24.57	12.15	4.57
4000	-12.75	-40.83	10.91	-136.08	-20.72	-24.03	-15.40	-17.41	1.62	0.35	24.45	11.98	4.44

TYPE: MMIC Amplifier
 MODEL: GALI-6F Reference Data: RDF-1245E
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 60mA, Vd = 4.76V @Temperature = +25degC

Definitions:

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K			
50	-23.17	-1.51	12.90	174.09	-18.58	-4.49	-43.90	36.39	1.22	0.52	33.77	16.68	4.26
100	-22.87	-10.20	12.94	169.03	-18.68	-8.66	-46.57	-9.24	1.22	0.52	33.93	16.73	4.42
200	-23.36	-24.24	12.88	158.73	-18.74	-16.68	-47.40	-37.19	1.23	0.51	34.17	16.72	4.29
300	-22.85	-36.05	12.86	148.36	-18.72	-24.75	-47.46	-79.73	1.23	0.51	33.74	16.65	4.43
400	-23.24	-49.02	12.81	137.99	-18.74	-33.04	-44.92	-94.46	1.24	0.51	33.34	16.82	4.42
500	-22.75	-61.28	12.78	127.71	-18.76	-41.08	-43.95	-114.98	1.24	0.50	33.05	16.72	4.41
600	-23.06	-73.10	12.73	117.44	-18.76	-49.26	-42.28	-129.79	1.25	0.50	32.89	16.66	4.38
700	-22.46	-85.80	12.69	107.12	-18.78	-57.52	-41.32	-136.60	1.25	0.50	33.08	16.75	4.41
800	-22.85	-95.37	12.65	96.98	-18.82	-65.68	-39.97	-144.25	1.26	0.49	33.16	16.78	4.46
900	-22.11	-107.73	12.62	86.79	-18.83	-73.96	-38.55	-152.91	1.26	0.49	33.08	16.72	4.39
1000	-22.39	-117.51	12.57	76.46	-18.86	-82.12	-38.09	-159.18	1.27	0.48	32.80	16.79	4.41
1100	-21.88	-132.43	12.52	66.21	-18.90	-90.48	-37.33	-167.65	1.27	0.48	32.64	16.63	4.35
1200	-21.79	-140.09	12.48	56.10	-18.92	-98.69	-36.10	-172.74	1.28	0.48	32.45	16.42	4.44
1300	-21.54	-154.30	12.44	45.96	-18.97	-106.95	-35.18	-177.33	1.29	0.47	32.15	16.46	4.45
1400	-20.94	-162.46	12.39	35.83	-19.01	-115.19	-34.19	-174.94	1.30	0.47	31.80	16.43	4.47
1500	-20.85	-173.66	12.33	25.77	-19.06	-123.50	-33.15	-171.78	1.31	0.46	31.70	16.40	4.53
1600	-20.19	176.97	12.29	15.59	-19.11	-131.79	-31.78	-165.22	1.31	0.46	32.15	16.42	4.54
1700	-20.14	165.21	12.23	5.46	-19.17	-140.14	-30.77	-158.84	1.32	0.45	32.45	16.50	4.52
1800	-19.45	155.29	12.19	-4.57	-19.19	-148.26	-29.72	-152.24	1.33	0.45	32.14	16.42	4.53
1900	-19.22	146.36	12.16	-14.64	-19.27	-156.58	-28.52	-145.12	1.34	0.44	31.77	16.45	4.51
2000	-18.63	136.31	12.13	-24.56	-19.32	-165.07	-27.39	-139.19	1.35	0.44	31.54	16.41	4.47
2100	-18.44	128.04	12.05	-34.76	-19.39	-173.16	-26.53	-132.57	1.36	0.43	31.34	16.39	4.55
2200	-17.94	117.61	12.00	-44.76	-19.47	-178.44	-25.53	-125.17	1.37	0.43	31.10	16.43	4.45
2300	-17.53	109.56	11.95	-54.74	-19.52	-169.95	-24.59	-118.04	1.38	0.42	30.89	16.41	4.57
2400	-17.24	99.76	11.88	-64.79	-19.60	-161.56	-23.77	-110.77	1.40	0.42	30.59	16.36	4.51
2500	-16.85	91.46	11.85	-74.70	-19.66	-153.15	-22.94	-102.89	1.41	0.41	30.25	16.36	4.51
2600	-16.48	82.89	11.77	-84.65	-19.74	-144.96	-22.19	-94.89	1.42	0.41	29.91	16.34	4.56
2700	-16.14	73.76	11.74	-94.54	-19.83	-136.46	-21.53	-86.00	1.43	0.40	29.89	16.32	4.53
2800	-15.95	65.56	11.67	-104.41	-19.91	-128.10	-20.93	-78.54	1.45	0.39	29.69	16.21	4.53
2900	-15.68	56.79	11.64	-114.34	-19.98	-119.60	-20.36	-70.08	1.46	0.39	29.52	16.10	4.60
3000	-15.38	47.78	11.57	-124.34	-20.07	-111.03	-19.92	-62.30	1.48	0.39	29.27	16.04	4.45
3100	-15.15	38.72	11.52	-134.17	-20.14	-102.63	-19.38	-54.48	1.49	0.38	28.77	15.78	4.61
3200	-14.83	30.00	11.49	-143.84	-20.25	-94.11	-18.87	-46.36	1.50	0.38	28.49	15.83	4.50
3300	-14.62	21.70	11.43	-153.87	-20.33	-85.47	-18.45	-38.31	1.52	0.37	28.39	15.78	4.72
3400	-14.45	12.47	11.42	-163.63	-20.43	-77.15	-17.99	-30.13	1.53	0.37	28.20	15.67	4.66
3500	-14.18	4.27	11.34	-173.42	-20.49	-68.51	-17.68	-22.25	1.55	0.37	28.08	15.55	4.54
3600	-14.14	-5.28	11.34	-176.60	-20.55	-59.90	-17.34	-13.65	1.55	0.36	27.83	15.40	4.77
3700	-13.88	-13.21	11.27	-166.97	-20.68	-51.31	-17.02	-6.18	1.58	0.36	27.59	15.27	4.58
3800	-13.78	-21.89	11.25	-157.00	-20.77	-42.66	-16.80	-2.38	1.59	0.36	27.44	14.99	4.72
4000	-13.56	-38.99	11.17	-137.46	-20.94	-25.10	-16.33	-17.93	1.62	0.35	27.24	14.65	4.60

TYPE: MMIC Amplifier
 MODEL: GALI-6F Reference Data: RDF-1245E
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 50mA, Vd = 4.87V @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	-22.13	-3.37	12.93	173.97	-18.64	-5.01	-39.59	2.80	1.22	0.52	31.68	14.90	3.54
100	-21.59	-11.04	12.95	168.83	-18.63	-8.64	-35.60	-19.61	1.22	0.52	31.81	14.98	3.69
200	-21.48	-22.15	12.92	158.37	-18.72	-17.29	-33.57	-23.57	1.23	0.51	31.90	14.79	3.62
300	-21.96	-34.42	12.89	147.72	-18.69	-25.61	-38.60	-20.94	1.23	0.51	31.70	14.73	3.69
400	-23.00	-49.96	12.86	137.07	-18.70	-34.14	-47.83	-39.73	1.23	0.51	31.42	15.01	3.73
500	-22.54	-61.96	12.84	126.47	-18.71	-42.55	-45.69	-107.35	1.23	0.51	31.30	14.95	3.69
600	-22.87	-74.36	12.78	115.95	-18.72	-51.16	-42.97	-113.24	1.24	0.51	31.18	14.83	3.66
700	-22.23	-89.22	12.75	105.33	-18.74	-59.49	-44.27	-117.27	1.24	0.50	31.47	15.00	3.66
800	-22.39	-98.63	12.71	94.89	-18.77	-68.04	-41.44	-131.53	1.25	0.50	31.64	15.07	3.74
900	-21.56	-110.08	12.69	84.48	-18.78	-76.79	-38.68	-134.80	1.25	0.50	31.65	15.06	3.64
1000	-21.78	-120.60	12.65	73.83	-18.80	-85.23	-39.32	-132.70	1.26	0.49	31.46	15.08	3.68
1100	-21.37	-135.58	12.59	63.31	-18.82	-93.91	-40.20	-149.88	1.26	0.49	31.25	14.84	3.61
1200	-21.59	-142.07	12.56	52.96	-18.85	-102.41	-38.16	-173.93	1.27	0.48	31.13	14.53	3.70
1300	-21.71	-156.66	12.53	42.53	-18.89	-111.02	-36.13	174.45	1.27	0.48	30.92	14.67	3.68
1400	-21.10	-165.76	12.48	32.09	-18.94	-119.53	-34.88	167.51	1.28	0.48	30.64	14.64	3.70
1500	-21.01	-177.04	12.43	21.75	-18.97	-128.17	-33.58	164.66	1.29	0.47	30.57	14.61	3.76
1600	-20.34	172.83	12.38	11.30	-19.00	-136.79	-31.98	161.79	1.29	0.47	30.99	14.62	3.75
1700	-20.26	159.85	12.34	0.90	-19.08	-145.43	-31.19	159.83	1.31	0.46	31.33	14.71	3.73
1800	-19.49	149.04	12.30	-9.41	-19.11	-154.02	-30.41	155.09	1.31	0.46	31.15	14.63	3.76
1900	-19.25	139.97	12.27	-19.83	-19.17	-162.69	-29.28	147.61	1.32	0.45	30.84	14.63	3.71
2000	-18.73	128.67	12.23	-30.02	-19.22	-171.41	-28.37	141.83	1.33	0.45	30.74	14.61	3.69
2100	-18.53	119.34	12.17	-40.54	-19.28	-179.71	-28.03	136.11	1.34	0.44	30.57	14.63	3.79
2200	-18.11	107.61	12.13	-50.79	-19.33	171.38	-27.50	126.20	1.35	0.44	30.49	14.77	3.67
2300	-17.75	99.18	12.07	-61.16	-19.40	162.64	-26.52	114.72	1.36	0.43	30.37	14.87	3.76
2400	-17.46	89.25	12.01	-71.43	-19.48	153.88	-25.26	106.08	1.37	0.43	30.25	14.94	3.70
2500	-16.97	80.67	11.97	-81.68	-19.53	145.21	-24.08	98.69	1.38	0.42	29.97	15.04	3.75
2600	-16.55	72.01	11.90	-91.85	-19.61	136.41	-23.19	90.46	1.39	0.42	29.70	14.99	3.74
2700	-16.17	63.10	11.87	-102.13	-19.69	127.73	-22.36	80.90	1.40	0.41	29.75	14.94	3.78
2800	-15.96	55.06	11.80	-112.27	-19.75	118.99	-21.60	72.66	1.42	0.41	29.63	14.83	3.72
2900	-15.67	46.50	11.76	-122.41	-19.82	110.16	-20.93	63.70	1.43	0.40	29.52	14.73	3.79
3000	-15.37	37.71	11.71	-132.65	-19.90	101.49	-20.38	54.81	1.44	0.40	29.32	14.72	3.66
3100	-15.23	29.06	11.67	-142.83	-19.98	92.54	-19.74	46.56	1.45	0.39	28.87	14.64	3.80
3200	-15.02	19.96	11.63	-152.85	-20.05	83.72	-19.22	38.07	1.46	0.39	28.67	14.72	3.68
3300	-14.89	11.02	11.58	-163.09	-20.15	74.77	-18.92	29.96	1.48	0.39	28.59	14.82	3.92
3400	-14.79	1.01	11.57	-173.22	-20.23	66.08	-18.58	21.01	1.49	0.38	28.39	14.85	3.85
3500	-14.57	-8.07	11.51	-176.73	-20.28	57.29	-18.31	12.88	1.50	0.38	28.37	14.81	3.77
3600	-14.49	-17.94	11.52	166.47	-20.35	48.07	-17.96	3.83	1.51	0.38	28.12	14.73	3.90
3700	-14.21	-26.53	11.44	156.54	-20.46	39.36	-17.68	-4.26	1.53	0.37	27.80	14.70	3.79
3800	-14.10	-35.42	11.43	146.27	-20.50	30.30	-17.44	-13.63	1.54	0.37	27.67	14.50	3.84
4000	-13.93	-51.97	11.35	126.18	-20.69	12.12	-16.81	-30.31	1.57	0.36	27.42	14.39	3.75

TYPE: MMIC Amplifier
 MODEL: GALI-6F Reference Data: RDF-1245E
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 40mA, 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 (dBm)	1 dB Compression Output (dBm)	Noise Figure (dB)
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K			
50	-21.15	-3.50	12.76	173.96	-18.57	-5.31	-32.49	-0.45	1.23	0.51	27.29	11.95	3.51
100	-20.56	-11.34	12.78	168.77	-18.62	-8.63	-30.67	-15.28	1.23	0.51	27.43	12.06	3.64
200	-20.58	-22.32	12.75	158.32	-18.58	-17.36	-29.35	-21.63	1.23	0.51	27.48	11.87	3.58
300	-20.93	-34.54	12.73	147.69	-18.61	-25.52	-32.17	-25.33	1.23	0.51	27.36	11.83	3.66
400	-21.88	-48.96	12.70	137.01	-18.60	-34.09	-35.55	-39.20	1.23	0.51	27.19	12.06	3.70
500	-21.49	-61.13	12.67	126.43	-18.61	-42.62	-35.75	-64.36	1.24	0.51	27.16	12.01	3.62
600	-21.75	-73.22	12.63	115.96	-18.60	-51.14	-34.70	-77.12	1.24	0.50	27.14	11.93	3.64
700	-21.18	-87.66	12.59	105.27	-18.62	-59.70	-35.06	-84.10	1.24	0.50	27.44	12.06	3.59
800	-21.38	-97.27	12.56	94.81	-18.66	-68.14	-34.35	-99.33	1.25	0.50	27.66	12.12	3.70
900	-20.62	-108.81	12.53	84.41	-18.68	-76.75	-33.04	-110.50	1.25	0.49	27.68	12.15	3.60
1000	-20.79	-119.21	12.48	73.68	-18.67	-85.39	-32.91	-113.99	1.26	0.49	27.50	12.16	3.64
1100	-20.46	-133.75	12.44	63.26	-18.72	-94.03	-33.54	-125.83	1.26	0.49	27.30	11.98	3.55
1200	-20.61	-140.69	12.40	52.87	-18.75	-102.56	-33.11	-145.59	1.27	0.48	27.21	11.62	3.66
1300	-20.71	-154.75	12.38	42.41	-18.78	-111.15	-32.10	-159.45	1.28	0.48	27.07	11.87	3.64
1400	-20.18	-164.20	12.34	31.95	-18.81	-119.75	-31.29	-170.12	1.28	0.48	26.84	11.78	3.68
1500	-20.11	-175.52	12.28	21.60	-18.86	-128.47	-30.37	-177.52	1.29	0.47	26.80	11.77	3.72
1600	-19.49	174.18	12.24	11.12	-18.90	-137.13	-29.08	175.58	1.30	0.47	27.17	11.80	3.69
1700	-19.42	161.61	12.20	0.71	-18.96	-145.69	-28.32	169.99	1.31	0.46	27.52	11.87	3.69
1800	-18.70	150.71	12.15	-9.64	-19.00	-154.27	-27.67	163.61	1.31	0.46	27.40	11.75	3.70
1900	-18.51	141.28	12.12	-20.04	-19.04	-162.86	-26.90	154.43	1.32	0.45	27.15	11.81	3.69
2000	-18.00	129.92	12.08	-30.30	-19.10	-171.58	-26.18	147.27	1.33	0.45	27.07	11.73	3.64
2100	-17.84	120.41	12.01	-40.80	-19.18	179.85	-25.93	140.66	1.34	0.44	26.97	11.77	3.71
2200	-17.45	108.81	11.98	-51.12	-19.23	171.08	-25.53	130.56	1.35	0.44	26.99	11.99	3.62
2300	-17.12	100.14	11.93	-61.42	-19.30	162.34	-24.76	118.91	1.36	0.43	27.05	12.13	3.73
2400	-16.81	90.15	11.87	-71.73	-19.35	153.52	-23.67	109.78	1.37	0.43	27.11	12.18	3.65
2500	-16.36	81.35	11.83	-82.05	-19.41	144.85	-22.70	101.47	1.38	0.42	27.03	12.35	3.69
2600	-15.96	72.56	11.76	-92.21	-19.52	136.10	-21.95	93.04	1.39	0.42	26.92	12.29	3.68
2700	-15.58	63.46	11.73	-102.46	-19.56	127.22	-21.21	83.21	1.40	0.41	27.12	12.25	3.72
2800	-15.37	55.28	11.66	-112.65	-19.64	118.65	-20.55	74.72	1.41	0.41	27.02	12.21	3.66
2900	-15.12	46.58	11.63	-122.87	-19.71	109.74	-19.99	65.47	1.42	0.40	26.96	12.11	3.75
3000	-14.85	37.68	11.58	-133.16	-19.80	100.92	-19.50	56.41	1.44	0.40	26.88	12.10	3.58
3100	-14.70	28.83	11.53	-143.27	-19.89	92.08	-18.90	47.95	1.45	0.40	26.46	12.11	3.74
3200	-14.49	19.71	11.50	-153.27	-19.95	83.34	-18.44	39.38	1.46	0.39	26.41	12.24	3.62
3300	-14.38	10.62	11.45	-163.60	-20.04	74.48	-18.16	31.10	1.48	0.39	26.47	12.39	3.86
3400	-14.30	0.52	11.44	-173.77	-20.11	65.68	-17.88	22.06	1.49	0.38	26.32	12.52	3.75
3500	-14.07	-8.54	11.37	-176.12	-20.19	56.70	-17.63	13.69	1.50	0.38	26.41	12.45	3.70
3600	-14.02	-18.49	11.38	165.84	-20.24	47.62	-17.32	4.72	1.51	0.38	26.15	12.54	3.82
3700	-13.76	-27.17	11.31	155.97	-20.34	38.83	-17.07	-3.50	1.52	0.37	25.76	12.49	3.72
3800	-13.64	-36.14	11.29	145.64	-20.41	29.71	-16.83	-12.93	1.54	0.37	25.54	12.35	3.78
4000	-13.45	-52.96	11.22	125.55	-20.59	11.55	-16.25	-29.70	1.57	0.37	25.41	12.27	3.69

TYPE: MMIC Amplifier
 MODEL: GALI-6F Reference Data: RDF-1245E
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 60mA, Vd = 4.99V @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	-22.84	-3.34	13.02	173.94	-18.68	-4.29	-50.10	25.61	1.22	0.52	34.64	16.83	3.61
100	-22.15	-10.84	13.05	168.81	-18.74	-8.99	-40.76	-24.46	1.22	0.52	34.81	16.91	3.74
200	-22.15	-22.48	13.01	158.33	-18.77	-17.34	-37.62	-24.98	1.22	0.52	34.89	16.81	3.66
300	-22.64	-34.59	12.99	147.73	-18.74	-25.62	-46.77	-3.94	1.22	0.52	34.51	16.75	3.75
400	-23.74	-50.49	12.95	137.11	-18.78	-34.15	-48.88	138.66	1.23	0.51	34.12	16.96	3.76
500	-23.25	-62.75	12.92	126.52	-18.77	-42.44	-43.80	174.46	1.23	0.51	33.85	16.89	3.73
600	-23.58	-75.23	12.89	116.02	-18.80	-51.00	-43.68	-179.95	1.24	0.51	33.75	16.80	3.72
700	-22.83	-90.34	12.85	105.42	-18.80	-59.54	-44.63	164.75	1.24	0.50	33.97	16.90	3.72
800	-23.04	-99.58	12.80	94.97	-18.82	-67.90	-43.08	172.87	1.24	0.50	34.07	16.91	3.80
900	-22.16	-111.08	12.77	84.60	-18.85	-76.53	-41.42	-173.83	1.25	0.50	33.96	16.92	3.70
1000	-22.41	-121.65	12.73	73.92	-18.87	-85.14	-44.04	-174.41	1.25	0.49	33.76	16.94	3.73
1100	-21.95	-136.84	12.69	63.48	-18.89	-93.81	-43.76	162.05	1.26	0.49	33.58	16.80	3.67
1200	-22.20	-142.90	12.64	53.11	-18.92	-102.28	-39.77	150.53	1.27	0.49	33.45	16.52	3.73
1300	-22.31	-157.82	12.62	42.69	-18.96	-110.95	-37.48	147.07	1.27	0.48	33.16	16.65	3.74
1400	-21.69	-166.70	12.57	32.26	-19.00	-119.42	-36.34	144.32	1.28	0.48	32.86	16.60	3.78
1500	-21.57	-178.17	12.51	21.94	-19.03	-128.07	-35.36	146.85	1.29	0.47	32.78	16.57	3.82
1600	-20.88	171.97	12.47	11.49	-19.09	-136.68	-33.82	148.26	1.29	0.47	33.15	16.63	3.81
1700	-20.77	158.94	12.42	1.09	-19.12	-145.33	-33.05	149.17	1.30	0.46	33.42	16.68	3.79
1800	-19.99	148.21	12.38	-9.21	-19.18	-153.85	-32.24	147.05	1.31	0.46	33.16	16.60	3.81
1900	-19.75	139.14	12.35	-19.57	-19.23	-162.44	-30.95	140.94	1.32	0.45	32.83	16.60	3.77
2000	-19.18	127.99	12.31	-29.76	-19.28	-171.18	-29.92	136.59	1.33	0.45	32.70	16.59	3.74
2100	-19.01	118.55	12.24	-40.25	-19.35	-179.64	-29.57	132.26	1.34	0.44	32.55	16.54	3.82
2200	-18.53	106.97	12.21	-50.48	-19.42	171.63	-28.95	122.64	1.35	0.44	32.29	16.71	3.73
2300	-18.19	98.50	12.15	-60.82	-19.46	162.79	-27.72	111.45	1.36	0.43	32.10	16.71	3.84
2400	-17.86	88.71	12.09	-71.11	-19.53	154.04	-26.31	103.37	1.37	0.43	31.82	16.72	3.77
2500	-17.35	80.25	12.06	-81.35	-19.58	145.46	-24.99	96.69	1.38	0.42	31.46	16.75	3.81
2600	-16.92	71.64	11.98	-91.53	-19.68	136.65	-24.01	88.66	1.39	0.42	31.09	16.72	3.81
2700	-16.54	62.84	11.95	-101.74	-19.74	128.02	-23.10	79.30	1.40	0.41	31.08	16.68	3.84
2800	-16.31	54.85	11.88	-111.91	-19.82	119.29	-22.28	71.41	1.42	0.41	30.90	16.61	3.78
2900	-16.01	46.50	11.85	-122.05	-19.89	110.48	-21.53	62.44	1.43	0.40	30.74	16.49	3.85
3000	-15.73	37.76	11.80	-132.30	-19.95	101.55	-20.95	53.80	1.44	0.40	30.54	16.44	3.73
3100	-15.56	29.23	11.75	-142.34	-20.05	92.83	-20.25	45.68	1.45	0.39	29.96	16.20	3.83
3200	-15.34	20.16	11.72	-152.34	-20.11	84.03	-19.69	37.39	1.46	0.39	29.80	16.30	3.74
3300	-15.23	11.37	11.65	-162.62	-20.21	75.10	-19.39	29.32	1.48	0.39	29.60	16.33	3.99
3400	-15.12	1.30	11.65	-172.77	-20.28	66.48	-19.02	20.42	1.49	0.38	29.40	16.25	3.91
3500	-14.89	-7.62	11.58	177.24	-20.33	57.46	-18.73	12.41	1.50	0.38	29.37	16.17	3.81
3600	-14.83	-17.46	11.58	166.91	-20.40	48.50	-18.36	3.44	1.51	0.38	29.13	16.10	3.96
3700	-14.53	-26.07	11.52	157.14	-20.52	39.59	-18.06	-4.75	1.53	0.37	28.83	15.95	3.87
3800	-14.43	-34.84	11.50	146.91	-20.57	30.54	-17.80	-14.00	1.54	0.37	28.68	15.71	3.93
4000	-14.23	-51.15	11.42	126.77	-20.75	12.29	-17.14	-30.50	1.57	0.36	28.47	15.44	3.80

TYPE: MMIC Amplifier
 MODEL: GALI-6F Reference Data: RDF-1245E
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 50mA, Vd = 4.44V @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	-22.11	-1.25	12.67	174.16	-18.60	-4.60	-34.40	8.83	1.24	0.51	30.59	15.11	4.70
100	-22.54	-7.73	12.69	169.23	-18.51	-8.51	-37.61	-3.80	1.23	0.51	30.78	15.21	4.84
200	-23.89	-24.78	12.65	159.10	-18.55	-16.16	-46.90	-33.73	1.24	0.51	31.03	15.11	4.72
300	-22.89	-38.07	12.62	148.86	-18.57	-24.15	-40.88	-75.92	1.24	0.50	30.70	15.01	4.86
400	-22.36	-49.78	12.57	138.72	-18.59	-32.09	-35.65	-72.50	1.24	0.50	30.30	15.15	4.87
500	-21.56	-60.68	12.54	128.60	-18.61	-39.90	-34.22	-76.46	1.25	0.50	30.08	15.10	4.87
600	-21.76	-71.39	12.49	118.60	-18.63	-47.81	-33.61	-86.53	1.25	0.49	29.99	15.03	4.80
700	-21.17	-83.25	12.44	108.46	-18.64	-55.61	-32.94	-97.22	1.26	0.49	30.22	15.07	4.84
800	-21.29	-92.14	12.39	98.48	-18.68	-63.60	-31.92	-106.62	1.27	0.49	30.38	15.13	4.89
900	-20.48	-103.12	12.37	88.63	-18.72	-71.72	-30.85	-115.03	1.27	0.48	30.37	15.11	4.85
1000	-20.68	-112.04	12.31	78.35	-18.73	-79.66	-30.29	-121.71	1.28	0.48	30.10	15.14	4.85
1100	-20.23	-125.39	12.26	68.46	-18.79	-87.63	-29.86	-131.04	1.29	0.47	29.87	14.95	4.83
1200	-20.17	-132.97	12.21	58.50	-18.82	-95.58	-29.23	-139.38	1.29	0.47	29.71	14.68	4.91
1300	-20.01	-146.39	12.18	48.64	-18.84	-103.59	-28.68	-146.67	1.30	0.47	29.49	14.75	4.89
1400	-19.51	-154.86	12.13	38.62	-18.90	-111.51	-28.41	-155.29	1.31	0.46	29.17	14.74	4.95
1500	-19.43	-166.07	12.07	28.78	-18.96	-119.60	-28.09	-163.58	1.32	0.45	29.13	14.69	4.99
1600	-18.95	-175.44	12.03	18.85	-19.00	-127.61	-27.44	-172.93	1.33	0.45	29.59	14.69	4.99
1700	-18.97	172.74	11.98	8.94	-19.07	-135.67	-26.90	178.01	1.34	0.44	30.02	14.80	4.99
1800	-18.40	162.85	11.93	-0.88	-19.10	-143.69	-26.35	169.15	1.34	0.44	29.70	14.67	4.98
1900	-18.17	153.61	11.89	-10.83	-19.17	-151.60	-25.69	160.11	1.35	0.44	29.31	14.71	4.97
2000	-17.65	143.53	11.85	-20.54	-19.26	-159.87	-24.96	151.62	1.37	0.43	29.14	14.63	4.93
2100	-17.47	135.30	11.79	-30.54	-19.32	-167.75	-24.27	143.26	1.38	0.42	28.89	14.63	5.03
2200	-17.00	125.11	11.74	-40.32	-19.37	-175.72	-23.50	134.86	1.39	0.42	28.73	14.72	4.90
2300	-16.63	116.98	11.69	-50.10	-19.46	-176.02	-22.74	126.77	1.40	0.41	28.57	14.81	5.04
2400	-16.35	107.40	11.63	-59.90	-19.55	167.77	-22.00	118.92	1.41	0.41	28.39	14.74	4.97
2500	-15.99	99.29	11.58	-69.69	-19.60	159.80	-21.29	110.80	1.42	0.40	28.13	14.76	4.98
2600	-15.66	90.86	11.50	-79.42	-19.71	151.75	-20.65	102.49	1.44	0.40	27.80	14.73	5.06
2700	-15.34	81.98	11.47	-89.16	-19.80	143.58	-20.03	93.95	1.45	0.39	27.90	14.60	5.02
2800	-15.17	73.65	11.40	-98.81	-19.87	135.51	-19.56	86.20	1.47	0.39	27.72	14.52	5.04
2900	-14.87	64.91	11.36	-108.57	-19.94	127.20	-19.09	77.92	1.48	0.38	27.55	14.38	5.06
3000	-14.55	56.00	11.30	-118.32	-20.05	118.97	-18.67	69.99	1.50	0.38	27.32	14.36	4.93
3100	-14.32	47.19	11.24	-128.00	-20.14	110.80	-18.16	62.45	1.51	0.37	26.81	14.18	5.12
3200	-13.99	38.55	11.20	-137.53	-20.22	102.55	-17.66	54.49	1.53	0.37	26.62	14.26	4.96
3300	-13.76	30.42	11.13	-147.31	-20.32	94.27	-17.27	46.70	1.55	0.37	26.47	14.21	5.22
3400	-13.54	21.47	11.11	-156.95	-20.42	86.15	-16.87	38.91	1.56	0.36	26.28	14.14	5.17
3500	-13.29	13.50	11.04	-166.45	-20.51	77.75	-16.56	31.50	1.58	0.36	26.20	14.02	5.05
3600	-13.17	4.17	11.04	-176.26	-20.56	69.42	-16.22	23.16	1.58	0.36	25.98	13.89	5.28
3700	-12.90	-3.57	10.95	174.42	-20.69	61.19	-15.95	15.84	1.61	0.35	25.69	13.72	5.04
3800	-12.78	-11.99	10.94	164.68	-20.78	52.89	-15.70	7.59	1.62	0.35	25.55	13.47	5.25
4000	-12.62	-28.46	10.84	145.51	-20.94	35.92	-15.32	-7.50	1.66	0.35	25.36	13.13	5.11

TYPE: MMIC Amplifier
 MODEL: GALI-6F Reference Data: RDF-1245E
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 40mA, Vd = 4.32V @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	1 dB Compression Output	Noise Figure
	(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K			
50	-20.73	-1.52	12.45	174.12	-18.40	-4.83	-29.16	2.71	1.24	0.51	26.63	12.38	4.66
100	-21.12	-8.73	12.48	169.20	-18.40	-8.16	-30.25	-5.20	1.24	0.51	26.82	12.58	4.78
200	-22.27	-23.79	12.44	159.09	-18.37	-16.44	-33.14	-22.26	1.24	0.51	27.01	12.42	4.69
300	-21.39	-36.97	12.40	148.86	-18.42	-24.23	-32.31	-44.85	1.24	0.50	26.77	12.29	4.79
400	-21.00	-48.68	12.36	138.66	-18.45	-32.14	-29.88	-55.19	1.25	0.50	26.42	12.49	4.83
500	-20.34	-59.55	12.32	128.52	-18.47	-39.99	-29.02	-63.12	1.25	0.50	26.32	12.47	4.80
600	-20.50	-69.96	12.26	118.50	-18.49	-47.95	-28.88	-73.95	1.26	0.49	26.27	12.31	4.77
700	-20.02	-81.68	12.22	108.37	-18.50	-55.92	-28.40	-83.99	1.26	0.49	26.56	12.47	4.80
800	-20.08	-90.75	12.18	98.37	-18.53	-63.80	-27.88	-94.52	1.27	0.48	26.76	12.50	4.85
900	-19.42	-101.85	12.15	88.47	-18.56	-71.79	-27.17	-103.94	1.27	0.48	26.75	12.54	4.81
1000	-19.55	-110.80	12.10	78.31	-18.59	-79.92	-26.87	-112.13	1.28	0.48	26.55	12.59	4.83
1100	-19.18	-123.89	12.05	68.31	-18.64	-87.87	-26.64	-121.89	1.29	0.47	26.33	12.29	4.76
1200	-19.13	-131.75	12.00	58.36	-18.67	-95.85	-26.10	-130.84	1.30	0.47	26.20	12.01	4.87
1300	-18.98	-144.69	11.97	48.45	-18.71	-103.90	-25.72	-139.11	1.30	0.46	26.03	12.18	4.87
1400	-18.52	-153.54	11.92	38.49	-18.75	-111.84	-25.57	-148.15	1.31	0.46	25.78	12.05	4.89
1500	-18.47	-164.53	11.87	28.59	-18.80	-119.93	-25.23	-156.69	1.32	0.45	25.77	12.07	4.93
1600	-18.05	-174.14	11.81	18.62	-18.87	-127.92	-24.94	-166.76	1.33	0.45	26.21	12.08	4.93
1700	-18.08	174.28	11.78	8.70	-18.90	-136.01	-24.50	-176.01	1.34	0.44	26.63	12.18	4.93
1800	-17.53	164.12	11.72	-1.11	-18.97	-143.98	-24.09	174.77	1.35	0.44	26.45	12.03	4.93
1900	-17.33	154.80	11.69	-11.08	-19.01	-152.08	-23.58	165.33	1.36	0.44	26.14	12.10	4.93
2000	-16.86	144.72	11.66	-20.82	-19.10	-160.22	-22.94	156.32	1.36	0.43	26.02	12.09	4.85
2100	-16.66	136.25	11.58	-30.91	-19.16	-168.04	-22.48	147.63	1.38	0.42	25.86	12.03	4.98
2200	-16.24	126.05	11.54	-40.67	-19.24	-176.34	-21.87	138.80	1.39	0.42	25.83	12.23	4.84
2300	-15.93	117.70	11.49	-50.48	-19.32	175.59	-21.22	130.36	1.40	0.41	25.84	12.38	5.01
2400	-15.67	108.17	11.42	-60.35	-19.40	167.45	-20.65	121.92	1.42	0.41	25.85	12.34	4.93
2500	-15.32	99.86	11.37	-70.05	-19.47	159.33	-20.06	113.40	1.43	0.40	25.78	12.47	4.93
2600	-15.02	91.30	11.31	-79.81	-19.55	151.14	-19.48	104.94	1.44	0.40	25.55	12.37	4.99
2700	-14.70	82.22	11.28	-89.49	-19.61	143.10	-18.96	96.12	1.45	0.40	25.74	12.34	4.99
2800	-14.53	73.85	11.20	-99.30	-19.71	134.97	-18.54	88.06	1.47	0.39	25.60	12.23	4.95
2900	-14.25	65.00	11.18	-109.02	-19.79	126.60	-18.09	79.78	1.48	0.39	25.48	12.14	5.03
3000	-13.95	55.91	11.11	-118.81	-19.90	118.38	-17.74	71.56	1.50	0.38	25.35	12.16	4.87
3100	-13.77	47.09	11.04	-128.51	-19.99	110.10	-17.29	63.80	1.51	0.38	24.92	12.06	5.06
3200	-13.43	38.34	11.01	-138.02	-20.07	101.99	-16.85	55.69	1.52	0.37	24.82	12.24	4.90
3300	-13.21	30.02	10.95	-147.89	-20.18	93.57	-16.51	47.76	1.54	0.37	24.77	12.31	5.16
3400	-13.02	21.01	10.92	-157.49	-20.27	85.54	-16.13	39.77	1.55	0.37	24.65	12.31	5.10
3500	-12.78	12.91	10.85	-167.11	-20.37	77.20	-15.84	32.28	1.57	0.36	24.59	12.25	4.99
3600	-12.65	3.49	10.85	-176.88	-20.42	68.77	-15.54	23.81	1.58	0.36	24.36	12.15	5.20
3700	-12.41	-4.36	10.76	173.69	-20.54	60.49	-15.32	16.36	1.60	0.36	24.08	12.09	4.98
3800	-12.31	-12.82	10.74	163.95	-20.63	52.15	-15.10	8.16	1.62	0.35	23.88	11.89	5.18
4000	-12.15	-29.56	10.65	144.73	-20.82	35.11	-14.74	-7.14	1.65	0.35	23.76	11.72	5.01

TYPE: MMIC Amplifier
 MODEL: GALI-6F Reference Data: RDF-1245E
 S PARAMETERS are presented in dB/deg Format
 TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 60mA, Vd = 4.57V @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	-23.04	-0.55	12.79	174.16	-18.74	-4.08	-41.62	24.01	1.24	0.50	33.38	16.46	4.76
100	-23.55	-7.59	12.82	169.23	-18.61	-8.21	-50.13	26.38	1.23	0.51	33.57	16.50	4.90
200	-25.01	-24.94	12.77	159.12	-18.65	-16.26	-44.30	175.36	1.23	0.51	33.81	16.54	4.78
300	-23.86	-38.74	12.74	148.91	-18.69	-24.06	-42.01	-149.72	1.24	0.50	33.38	16.50	4.89
400	-23.32	-51.07	12.69	138.75	-18.69	-31.95	-39.84	-107.40	1.24	0.50	32.90	16.65	4.93
500	-22.39	-61.68	12.65	128.64	-18.69	-39.81	-38.49	-100.74	1.25	0.50	32.58	16.60	4.93
600	-22.58	-72.64	12.60	118.67	-18.72	-47.75	-37.53	-107.68	1.25	0.50	32.38	16.51	4.87
700	-21.91	-84.46	12.56	108.54	-18.73	-55.64	-36.54	-117.20	1.26	0.49	32.54	16.58	4.93
800	-22.10	-93.23	12.52	98.56	-18.78	-63.53	-35.00	-123.21	1.27	0.49	32.65	16.62	4.97
900	-21.23	-104.18	12.49	88.69	-18.80	-71.48	-33.62	-128.48	1.27	0.48	32.52	16.57	4.90
1000	-21.38	-113.12	12.44	78.51	-18.81	-79.57	-32.98	-133.08	1.27	0.48	32.25	16.61	4.92
1100	-20.88	-126.60	12.39	68.55	-18.87	-87.48	-32.41	-141.50	1.28	0.48	32.03	16.44	4.87
1200	-20.84	-133.89	12.34	58.67	-18.90	-95.45	-31.59	-148.54	1.29	0.47	31.87	16.25	4.95
1300	-20.63	-147.56	12.30	48.74	-18.95	-103.43	-30.92	-154.68	1.30	0.47	31.55	16.28	4.95
1400	-20.12	-155.86	12.25	38.83	-18.99	-111.35	-30.62	-162.84	1.31	0.46	31.18	16.26	5.00
1500	-20.08	-167.18	12.20	28.97	-19.04	-119.48	-30.13	-170.25	1.32	0.46	31.11	16.21	5.06
1600	-19.54	-176.45	12.14	19.05	-19.10	-127.43	-29.32	-179.35	1.33	0.45	31.57	16.24	5.04
1700	-19.55	171.79	12.09	9.16	-19.14	-135.47	-28.66	172.22	1.33	0.45	31.87	16.28	5.04
1800	-18.93	161.70	12.04	-0.63	-19.21	-143.46	-27.98	164.04	1.35	0.44	31.45	16.23	5.03
1900	-18.71	152.59	12.01	-10.57	-19.26	-151.39	-27.14	155.53	1.35	0.44	31.02	16.21	5.03
2000	-18.16	142.69	11.96	-20.24	-19.34	-159.62	-26.28	147.66	1.36	0.43	30.78	16.18	4.98
2100	-17.99	134.54	11.90	-30.26	-19.41	-167.38	-25.49	139.94	1.38	0.42	30.54	16.15	5.10
2200	-17.51	124.33	11.85	-40.02	-19.47	-175.54	-24.61	131.85	1.39	0.42	30.27	16.17	4.97
2300	-17.12	116.28	11.80	-49.82	-19.54	176.24	-23.75	124.12	1.40	0.41	29.98	16.10	5.11
2400	-16.83	106.95	11.74	-59.57	-19.63	168.13	-22.92	116.90	1.41	0.41	29.66	16.01	5.06
2500	-16.41	98.91	11.69	-69.26	-19.68	160.08	-22.14	108.80	1.42	0.40	29.36	15.98	5.05
2600	-16.08	90.57	11.62	-79.00	-19.77	151.96	-21.43	100.91	1.44	0.40	28.93	15.95	5.12
2700	-15.74	81.82	11.59	-88.69	-19.86	143.95	-20.77	92.45	1.45	0.39	28.95	15.90	5.11
2800	-15.55	73.59	11.51	-98.39	-19.95	135.72	-20.25	84.83	1.47	0.39	28.77	15.78	5.10
2900	-15.26	65.00	11.48	-108.13	-20.01	127.62	-19.70	76.80	1.48	0.38	28.53	15.73	5.16
3000	-14.96	56.02	11.41	-117.90	-20.11	119.30	-19.25	68.94	1.50	0.38	28.28	15.58	5.00
3100	-14.70	47.35	11.36	-127.49	-20.24	111.18	-18.72	61.63	1.52	0.37	27.75	15.31	5.16
3200	-14.34	38.64	11.32	-137.00	-20.30	102.97	-18.19	53.76	1.53	0.37	27.49	15.27	5.04
3300	-14.10	30.66	11.25	-146.84	-20.40	94.72	-17.76	46.09	1.55	0.37	27.33	15.21	5.31
3400	-13.89	21.82	11.23	-156.38	-20.49	86.46	-17.32	38.36	1.56	0.36	27.13	15.05	5.24
3500	-13.63	13.93	11.14	-165.90	-20.58	78.28	-16.98	31.00	1.58	0.36	27.06	14.93	5.11
3600	-13.50	4.63	11.14	-175.68	-20.64	69.97	-16.63	22.74	1.58	0.36	26.82	14.79	5.36
3700	-13.22	-3.09	11.06	174.97	-20.77	61.60	-16.35	15.50	1.61	0.35	26.53	14.59	5.13
3800	-13.10	-11.35	11.05	165.26	-20.85	53.38	-16.08	7.41	1.62	0.35	26.39	14.35	5.31
4000	-12.91	-27.81	10.95	146.14	-21.04	36.36	-15.67	-7.62	1.66	0.34	26.15	13.94	5.19