GALI-6 Performance Data

NOTE: Use PDF Bookmarks to view DATA at required conditions

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 70mA, Vd = 4.88V @Temperature = +25degC

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-23.48	-5.72	13.01	174.07	-18.75	-4.65	-51.33	119.69	1.22	0.52	36.42	17.19	4.27
100	-23.42	-10.53	13.01	169.08	-18.72	-8.57	-67.23	82.48	1.22	0.52	36.24	17.46	4.48
200	-23.42	-24.22	12.97	158.71	-18.78	-16.78	-53.92	-146.39	1.23	0.51	36.34	17.49	4.42
300	-23.40	-36.09	12.94	148.23	-18.78	-24.98	-48.36	-150.47	1.23	0.51	35.90	17.52	4.56
400	-23.73	-50.12	12.90	137.88	-18.77	-33.21	-45.54	-156.04	1.23	0.51	35.50	17.69	4.42
500	-23.31	-61.19	12.85	127.46	-18.80	-41.30	-44.23	-166.07	1.24	0.50	34.89	17.77	4.41
600	-23.74	-74.55	12.81	117.20	-18.82	-49.50	-42.58	-177.40	1.24	0.50	34.64	17.81	4.44
700	-22.98	-86.27	12.78	106.87	-18.83	-57.74	-41.54	177.56	1.25	0.50	34.65	17.89	4.40
800	-23.64	-97.45	12.74	96.65	-18.85	-66.05	-40.39	170.74	1.25	0.49	34.67	18.06	4.47
900	-22.70	-110.78	12.69	86.33	-18.88	-74.26	-39.69	165.08	1.26	0.49	34.60	18.04	4.39
1000	-23.10	-119.95	12.66	76.02	-18.90	-82.58	-39.19	160.17	1.26	0.49	34.31	18.07	4.45
1100	-22.50	-135.09	12.61	65.81	-18.92	-90.89	-38.74	154.97	1.27	0.48	34.09	17.99	4.38
1200	-22.37	-141.71	12.56	55.56	-18.97	-99.14	-38.34	155.26	1.28	0.48	33.85	17.85	4.47
1300	-22.10	-157.44	12.52	45.46	-19.00	-107.43	-37.43	157.57	1.29	0.47	33.54	17.88	4.45
1400	-21.50	-164.02	12.47	35.33	-19.04	-115.85	-36.02	154.85	1.29	0.47	33.19	17.92	4.52
1500	-21.27	-176.04	12.43	25.07	-19.10	-124.20	-35.07	152.30	1.30	0.46	33.11	17.89	4.57
1600	-20.73	173.94	12.38	14.95	-19.14	-132.34	-33.91	150.05	1.31	0.46	33.39	17.91	4.53
1700	-20.81	162.98	12.34	4.78	-19.17	-140.67	-32.65	146.83	1.32	0.46	33.66	17.97	4.49
1800	-19.90	152.81	12.29	-5.25	-19.22	-149.08	-31.70	141.29	1.32	0.45	33.25	17.90	4.54
1900	-19.78	143.99	12.24	-15.47	-19.31	-157.50	-30.38	136.98	1.34	0.44	32.84	17.92	4.49
2000	-19.12	133.27	12.20	-25.43	-19.35	-165.80	-29.05	131.63	1.34	0.44	32.76	17.91	4.43
2100	-18.80	125.84	12.13	-35.57	-19.41	-174.19	-27.85	126.22	1.36	0.43	32.54	17.86	4.55
2200	-18.36	114.77	12.08	-45.61	-19.49	177.45	-26.70	120.54	1.37	0.43	32.27	17.84	4.43
2300	-17.92	106.68	12.04	-55.60	-19.56	169.07	-25.70	113.77	1.38	0.42	31.95	17.77	4.55
2400	-17.62	97.36	11.98	-65.77	-19.63	160.50	-24.81	106.39	1.39	0.42	31.67	17.73	4.52
2500	-17.14	88.72	11.94	-75.70	-19.70	152.31	-23.91	98.57	1.40	0.41	31.41	17.79	4.54
2600	-16.81	80.10	11.88	-85.75	-19.79	143.75	-23.12	91.21	1.42	0.41	30.85	17.73	4.55
2700	-16.46	71.16	11.84	-95.73	-19.84	135.31	-22.27	82.87	1.42	0.40	30.97	17.70	4.59
2800	-16.18	62.97	11.78	-105.60	-19.93	126.91	-21.61	75.14	1.44	0.40	30.71	17.71	4.53
2900	-15.88	54.22	11.74	-115.70	-20.00	118.26	-20.94	66.80	1.45	0.39	30.48	17.60	4.67
3000	-15.56	45.48	11.69	-125.55	-20.08	109.72	-20.40	59.55	1.46	0.39	30.23	17.50	4.51
3100	-15.27	37.40	11.61	-135.60	-20.19	101.25	-19.78	51.77	1.48	0.38	29.84	17.20	4.68
3200	-14.99	28.45	11.60	-145.30	-20.27	92.92	-19.15	43.99	1.49	0.38	29.72	17.19	4.55
3300	-14.77	20.18	11.52	-155.24	-20.36	84.23	-18.79	35.50	1.51	0.37	29.57	17.11	4.77
3400	-14.61	10.75	11.51	-165.15	-20.41	75.66	-18.30	27.02	1.52	0.37	29.26	17.07	4.71
3500	-14.43	2.66	11.44	-174.89	-20.52	66.71	-18.02	19.24	1.54	0.37	29.17	16.93	4.62
3600	-14.37	-6.58	11.43	174.98	-20.58	58.29	-17.74	10.70	1.55	0.37	28.77	16.83	4.76
3700	-14.11	-14.74	11.38	165.33	-20.70	49.71	-17.35	3.02	1.57	0.36	28.53	16.65	4.68
3800	-13.99	-23.12	11.35	155.45	-20.77	41.08	-17.10	-5.06	1.58	0.36	28.34	16.51	4.89
4000	-13.78	-40.19	11.27	135.72	-20.94	23.63	-16.60	-21.31	1.61	0.35	28.06	16.25	4.72

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 56mA, Vd = 4.71V @Temperature = +25degC

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-22.68	-5.71	12.91	174.03	-18.65	-4.78	-41.93	8.67	1.22	0.52	33.30	15.85	4.20
100	-22.56	-10.08	12.89	169.06	-18.69	-8.62	-41.58	-5.58	1.23	0.51	32.99	16.21	4.39
200	-22.54	-23.72	12.87	158.66	-18.69	-16.84	-41.62	-31.62	1.23	0.51	33.23	16.03	4.34
300	-22.54	-35.81	12.83	148.20	-18.68	-24.96	-41.93	-55.56	1.23	0.51	32.91	16.00	4.46
400	-22.80	-49.27	12.80	137.84	-18.71	-33.21	-41.43	-74.30	1.24	0.51	32.60	16.18	4.31
500	-22.43	-60.55	12.75	127.40	-18.71	-41.32	-41.55	-89.46	1.24	0.50	32.27	16.20	4.29
600	-22.89	-73.59	12.71	117.07	-18.72	-49.63	-41.23	-108.93	1.24	0.50	32.04	16.17	4.31
700	-22.19	-85.16	12.67	106.75	-18.75	-57.77	-40.55	-122.16	1.25	0.50	32.20	16.23	4.29
800	-22.80	-96.10	12.63	96.53	-18.77	-66.09	-39.65	-136.17	1.25	0.49	32.33	16.34	4.39
900	-21.94	-109.35	12.59	86.17	-18.79	-74.35	-38.80	-147.14	1.26	0.49	32.35	16.37	4.30
1000	-22.29	-118.63	12.55	75.83	-18.81	-82.62	-38.15	-156.25	1.26	0.49	32.14	16.35	4.32
1100	-21.76	-133.49	12.50	65.62	-18.85	-90.99	-37.39	-164.16	1.27	0.48	31.90	16.24	4.28
1200	-21.61	-140.46	12.46	55.33	-18.89	-99.27	-36.36	-169.67	1.28	0.48	31.74	16.04	4.38
1300	-21.37	-155.67	12.42	45.22	-18.92	-107.54	-35.08	-173.70	1.29	0.47	31.51	16.11	4.34
1400	-20.80	-162.73	12.38	35.02	-18.96	-115.92	-33.82	178.20	1.29	0.47	31.17	16.14	4.42
1500	-20.62	-174.60	12.32	24.73	-19.02	-124.39	-32.88	172.06	1.30	0.46	31.16	16.18	4.46
1600	-20.10	175.25	12.28	14.64	-19.07	-132.54	-31.77	166.21	1.31	0.46	31.50	16.16	4.41
1700	-20.16	164.34	12.24	4.42	-19.10	-140.92	-30.66	159.57	1.32	0.45	31.94	16.17	4.37
1800	-19.33	153.95	12.19	-5.58	-19.16	-149.28	-29.81	152.27	1.33	0.45	31.65	16.08	4.43
1900	-19.20	145.16	12.14	-15.86	-19.23	-157.68	-28.64	145.33	1.34	0.44	31.26	16.11	4.40
2000	-18.57	134.38	12.10	-25.84	-19.27	-166.05	-27.50	138.54	1.34	0.44	31.21	16.12	4.33
2100	-18.25	126.63	12.03	-35.99	-19.34	-174.46	-26.46	131.48	1.36	0.43	31.10	16.16	4.43
2200	-17.83	115.63	11.99	-46.07	-19.41	177.19	-25.44	124.77	1.37	0.43	30.90	16.21	4.31
2300	-17.42	107.41	11.94	-56.12	-19.47	168.84	-24.57	117.02	1.38	0.42	30.69	16.33	4.41
2400	-17.12	97.92	11.89	-66.25	-19.55	160.28	-23.79	109.35	1.39	0.42	30.48	16.38	4.40
2500	-16.68	89.11	11.85	-76.24	-19.61	151.94	-23.00	101.12	1.40	0.41	30.19	16.49	4.45
2600	-16.35	80.42	11.78	-86.30	-19.70	143.48	-22.28	93.38	1.41	0.41	29.64	16.42	4.41
2700	-16.02	71.45	11.74	-96.31	-19.77	135.01	-21.49	84.62	1.42	0.40	29.77	16.33	4.46
2800	-15.73	63.02	11.69	-106.27	-19.86	126.58	-20.87	76.57	1.44	0.40	29.57	16.33	4.39
2900	-15.45	54.21	11.64	-116.32	-19.92	118.05	-20.29	68.18	1.45	0.39	29.38	16.19	4.54
3000	-15.16	45.46	11.59	-126.22	-20.01	109.39	-19.77	60.63	1.46	0.39	29.20	16.08	4.37
3100	-14.86	37.13	11.52	-136.28	-20.11	100.87	-19.20	52.64	1.48	0.38	28.82	15.86	4.58
3200	-14.58	28.24	11.50	-145.98	-20.20	92.53	-18.62	44.78	1.49	0.38	28.66	15.93	4.43
3300	-14.37	19.80	11.43	-156.01	-20.28	83.80	-18.29	36.19	1.51	0.38	28.61	15.95	4.67
3400	-14.23	10.31	11.42	-165.92	-20.34	75.30	-17.83	27.61	1.52	0.37	28.38	15.96	4.59
3500	-14.05	2.10	11.35	-175.73	-20.46	66.55	-17.57	19.63	1.54	0.37	28.19	15.85	4.51
3600	-13.99	-7.23	11.34	174.16	-20.50	57.95	-17.30	11.12	1.54	0.37	27.69	15.76	4.63
3700	-13.74	-15.47	11.29	164.52	-20.62	49.42	-16.95	3.43	1.56	0.36	27.41	15.54	4.52
3800	-13.60	-24.01	11.26	154.59	-20.70	40.73	-16.71	-4.84	1.58	0.36	27.29	15.41	4.75
4000	-13.42	-41.22	11.18	134.76	-20.86	23.20	-16.24	-21.20	1.61	0.35	27.03	15.27	4.57

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 84mA, Vd = 5.04V @Temperature = +25degC

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-24.04	-5.52	13.08	174.07	-18.81	-4.58	-42.39	166.31	1.22	0.52	38.63	17.42	4.38
100	-23.99	-10.27	13.07	169.11	-18.79	-8.61	-44.09	165.14	1.22	0.52	38.48	17.66	4.61
200	-23.98	-24.36	13.03	158.69	-18.81	-16.70	-43.29	175.42	1.23	0.51	38.26	17.74	4.51
300	-23.99	-36.41	13.01	148.29	-18.81	-24.83	-41.62	174.19	1.23	0.51	37.58	17.83	4.71
400	-24.29	-50.63	12.96	138.00	-18.83	-32.96	-40.59	171.02	1.23	0.51	37.15	18.05	4.53
500	-23.83	-61.89	12.92	127.56	-18.85	-41.39	-39.82	163.71	1.24	0.50	36.36	18.18	4.51
600	-24.35	-75.64	12.87	117.29	-18.86	-49.55	-39.04	156.67	1.24	0.50	35.94	18.30	4.53
700	-23.51	-87.07	12.83	106.95	-18.89	-57.67	-38.53	151.51	1.25	0.50	35.79	18.48	4.53
800	-24.21	-98.45	12.80	96.78	-18.90	-65.89	-37.92	147.53	1.25	0.49	35.61	18.75	4.58
900	-23.23	-111.88	12.75	86.44	-18.91	-74.27	-37.56	141.19	1.26	0.49	35.46	18.82	4.50
1000	-23.63	-120.97	12.71	76.15	-18.94	-82.51	-37.52	135.77	1.26	0.49	35.20	18.94	4.54
1100	-23.01	-136.35	12.67	65.97	-18.97	-90.88	-37.45	132.56	1.27	0.48	34.94	18.94	4.51
1200	-22.87	-142.80	12.62	55.72	-19.01	-99.06	-37.54	131.29	1.28	0.48	34.66	18.82	4.59
1300	-22.57	-158.78	12.58	45.63	-19.06	-107.44	-37.55	134.52	1.28	0.47	34.26	18.80	4.55
1400	-21.96	-165.05	12.54	35.50	-19.09	-115.73	-36.58	135.05	1.29	0.47	33.97	18.81	4.62
1500	-21.74	-177.12	12.49	25.27	-19.15	-124.05	-35.99	134.86	1.30	0.46	33.83	18.75	4.69
1600	-21.18	172.98	12.44	15.25	-19.19	-132.39	-35.06	136.43	1.31	0.46	34.04	18.81	4.66
1700	-21.23	161.83	12.40	5.05	-19.22	-140.65	-33.89	135.56	1.32	0.46	34.04	18.84	4.60
1800	-20.32	151.89	12.35	-4.98	-19.29	-149.07	-32.87	132.33	1.33	0.45	33.60	18.78	4.66
1900	-20.19	143.17	12.29	-15.15	-19.36	-157.43	-31.53	129.47	1.34	0.44	33.22	18.80	4.63
2000	-19.49	132.60	12.25	-25.09	-19.39	-165.69	-30.03	126.40	1.34	0.44	33.10	18.75	4.56
2100	-19.17	125.15	12.19	-35.21	-19.45	-174.07	-28.76	122.04	1.36	0.43	32.90	18.63	4.66
2200	-18.72	114.15	12.14	-45.24	-19.54	177.63	-27.56	117.33	1.37	0.43	32.55	18.52	4.55
2300	-18.27	106.20	12.09	-55.27	-19.60	169.16	-26.48	111.10	1.38	0.42	32.26	18.38	4.68
2400	-17.96	96.90	12.04	-65.36	-19.67	160.61	-25.48	104.45	1.39	0.42	31.94	18.32	4.67
2500	-17.47	88.42	12.00	-75.28	-19.75	152.27	-24.53	97.02	1.40	0.41	31.72	18.36	4.63
2600	-17.14	79.85	11.94	-85.38	-19.84	143.90	-23.68	90.02	1.42	0.41	31.13	18.30	4.65
2700	-16.78	71.02	11.90	-95.28	-19.90	135.42	-22.74	81.77	1.43	0.40	31.26	18.30	4.70
2800	-16.49	62.87	11.83	-105.16	-19.99	126.98	-22.07	74.14	1.44	0.40	30.99	18.33	4.64
2900	-16.19	54.23	11.79	-115.20	-20.05	118.44	-21.38	65.96	1.45	0.39	30.71	18.23	4.79
3000	-15.88	45.56	11.74	-125.07	-20.14	109.83	-20.79	58.81	1.47	0.39	30.49	18.15	4.65
3100	-15.56	37.49	11.66	-135.08	-20.24	101.39	-20.15	51.27	1.49	0.38	30.11	17.86	4.83
3200	-15.27	28.71	11.65	-144.68	-20.31	93.05	-19.48	43.69	1.50	0.38	29.98	17.83	4.68
3300	-15.04	20.44	11.57	-154.72	-20.40	84.45	-19.12	35.18	1.51	0.37	29.82	17.71	4.91
3400	-14.89	11.08	11.56	-164.57	-20.47	75.78	-18.61	26.79	1.52	0.37	29.47	17.65	4.84
3500	-14.70	3.05	11.50	-174.30	-20.58	66.96	-18.31	19.03	1.54	0.37	29.45	17.53	4.76
3600	-14.65	-6.18	11.48	175.67	-20.62	58.48	-18.01	10.63	1.55	0.36	29.08	17.44	4.90
3700	-14.39	-14.22	11.44	166.06	-20.75	49.96	-17.62	2.98	1.57	0.36	28.80	17.26	4.81
3800	-14.25	-22.56	11.40	156.19	-20.82	41.21	-17.34	-5.16	1.59	0.36	28.66	17.16	5.02
4000	-14.06	-39.37	11.32	136.52	-20.99	23.76	-16.81	-21.31	1.62	0.35	28.33	16.94	4.86

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 70mA, Vd = 4.93V @Temperature = -45degC

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-23.21	-7.79	13.11	173.87	-18.83	-5.00	-58.18	122.38	1.22	0.52	37.39	17.66	3.65
100	-22.30	-12.30	13.10	168.77	-18.81	-8.87	-44.38	-24.84	1.22	0.52	37.15	17.96	3.87
200	-22.11	-21.71	13.07	158.08	-18.79	-17.47	-41.93	-19.77	1.22	0.52	37.12	17.92	3.76
300	-23.62	-35.05	13.06	147.31	-18.81	-25.98	-44.65	134.64	1.22	0.52	36.71	17.94	3.88
400	-24.30	-51.96	13.03	136.59	-18.82	-34.59	-39.20	156.24	1.23	0.51	36.29	18.09	3.78
500	-23.53	-62.34	12.98	125.78	-18.82	-43.19	-40.49	166.19	1.23	0.51	35.79	18.16	3.73
600	-24.17	-77.73	12.94	115.20	-18.83	-51.88	-39.89	148.26	1.23	0.51	35.45	18.18	3.77
700	-23.41	-90.40	12.90	104.50	-18.84	-60.49	-37.93	142.76	1.24	0.50	35.52	18.23	3.73
800	-24.05	-100.84	12.87	93.90	-18.86	-69.18	-37.37	147.65	1.24	0.50	35.47	18.35	3.83
900	-22.78	-115.57	12.84	83.25	-18.88	-77.84	-39.45	147.48	1.25	0.50	35.43	18.35	3.71
1000	-22.87	-123.94	12.80	72.55	-18.89	-86.57	-40.78	144.52	1.25	0.50	35.23	18.37	3.76
1100	-22.53	-138.08	12.76	61.98	-18.92	-95.29	-40.33	140.00	1.26	0.49	34.97	18.31	3.71
1200	-22.65	-146.03	12.72	51.37	-18.95	-103.96	-40.48	123.75	1.26	0.49	34.82	18.16	3.80
1300	-22.62	-163.33	12.68	40.91	-19.00	-112.63	-39.32	116.39	1.27	0.48	34.55	18.19	3.77
1400	-22.17	-169.90	12.64	30.38	-19.02	-121.45	-36.89	118.71	1.27	0.48	34.22	18.23	3.84
1500	-22.01	176.61	12.59	19.72	-19.07	-130.22	-36.88	122.40	1.28	0.47	34.11	18.24	3.89
1600	-21.31	165.07	12.54	9.29	-19.11	-138.89	-37.08	125.64	1.29	0.47	34.40	18.26	3.84
1700	-21.39	153.68	12.51	-1.25	-19.14	-147.69	-35.97	125.22	1.30	0.47	34.65	18.29	3.80
1800	-20.45	142.94	12.47	-11.68	-19.19	-156.45	-34.92	124.33	1.30	0.46	34.30	18.27	3.84
1900	-20.35	133.66	12.41	-22.25	-19.26	-165.38	-33.67	122.66	1.32	0.45	33.93	18.28	3.77
2000	-19.72	121.57	12.37	-32.62	-19.30	-174.03	-32.40	118.22	1.32	0.45	33.85	18.30	3.75
2100	-19.35	113.56	12.31	-43.08	-19.36	177.10	-30.85	113.34	1.33	0.44	33.70	18.29	3.84
2200	-18.86	102.28	12.27	-53.56	-19.42	168.41	-29.29	109.58	1.34	0.44	33.42	18.31	3.74
2300	-18.42	93.91	12.23	-63.89	-19.49	159.57	-28.03	103.08	1.35	0.43	33.09	18.30	3.85
2400	-18.11	83.86	12.18	-74.44	-19.57	150.64	-26.89	95.90	1.37	0.43	32.88	18.31	3.81
2500	-17.50	74.72	12.13	-84.78	-19.63	141.84	-25.73	88.51	1.37	0.42	32.62	18.38	3.82
2600	-17.06	66.21	12.07	-95.23	-19.73	132.93	-24.54	81.25	1.39	0.42	31.97	18.34	3.80
2700	-16.62	57.92	12.03	-105.53	-19.73	124.09	-23.16	72.46	1.39	0.42	32.13	18.32	3.86
2800	-16.27	50.23	11.97	-115.81	-19.84	115.26	-22.15	65.33	1.41	0.41	31.88	18.37	3.82
2900	-15.98	41.60	11.92	-126.22	-19.91	106.22	-21.41	58.21	1.42	0.41	31.65	18.24	3.94
3000	-15.67	32.67	11.88	-136.46	-20.00	97.31	-20.86	51.35	1.43	0.40	31.44	18.17	3.80
3100	-15.41	24.51	11.81	-146.86	-20.07	88.36	-20.26	43.03	1.45	0.40	31.08	17.90	3.98
3200	-15.25	15.53	11.80	-156.83	-20.16	79.65	-19.74	35.25	1.46	0.39	30.88	17.89	3.84
3300	-15.13	6.43	11.73	-167.23	-20.23	70.56	-19.60	25.75	1.47	0.39	30.75	17.86	4.05
3400	-15.11	-3.41	11.73	-177.49	-20.29	61.49	-19.25	15.65	1.48	0.39	30.41	17.83	3.99
3500	-14.99	-11.85	11.66	172.31	-20.38	52.25	-18.94	5.91	1.50	0.38	30.35	17.70	3.91
3600	-14.98	-21.24	11.66	161.89	-20.41	43.38	-18.53	-3.98	1.50	0.38	30.03	17.62	3.99
3700	-14.80	-29.96	11.61	151.84	-20.52	34.28	-18.11	-12.17	1.52	0.37	29.76	17.46	3.95
3800	-14.67	-38.50	11.58	141.61	-20.62	25.11	-17.74	-20.93	1.54	0.37	29.55	17.37	4.12
4000	-14.53	-56.19	11.51	121.09	-20.78	6.81	-17.12	-36.96	1.57	0.36	29.23	17.15	3.96

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 56mA, Vd = 4.76V @Temperature = -45degC

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-22.54	-7.26	13.02	173.87	-18.76	-5.08	-44.45	4.14	1.22	0.52	33.99	15.93	3.57
100	-21.67	-11.93	13.02	168.77	-18.73	-9.04	-36.95	-19.34	1.22	0.52	33.67	16.34	3.75
200	-21.49	-21.69	12.98	158.05	-18.74	-17.51	-36.01	-19.95	1.22	0.52	33.79	16.05	3.66
300	-22.90	-34.95	12.97	147.25	-18.72	-25.98	-50.98	14.77	1.22	0.52	33.60	16.03	3.77
400	-23.52	-51.28	12.94	136.57	-18.76	-34.59	-47.84	-173.31	1.23	0.51	33.39	16.30	3.70
500	-22.82	-61.93	12.89	125.78	-18.75	-43.21	-44.85	-137.98	1.23	0.51	32.97	16.29	3.62
600	-23.39	-76.61	12.85	115.09	-18.76	-51.90	-46.10	-167.05	1.24	0.51	32.79	16.28	3.67
700	-22.71	-89.31	12.82	104.39	-18.76	-60.46	-42.61	176.23	1.24	0.50	32.96	16.37	3.65
800	-23.30	-99.73	12.78	93.77	-18.80	-69.18	-39.95	-177.81	1.24	0.50	33.05	16.43	3.74
900	-22.10	-114.39	12.75	83.12	-18.81	-77.93	-40.80	-169.61	1.25	0.50	33.09	16.50	3.62
1000	-22.19	-122.83	12.71	72.36	-18.83	-86.66	-40.87	-165.69	1.25	0.49	32.91	16.50	3.64
1100	-21.90	-136.87	12.67	61.79	-18.86	-95.42	-40.07	-175.71	1.26	0.49	32.67	16.36	3.61
1200	-22.00	-145.12	12.63	51.18	-18.88	-104.01	-40.79	172.31	1.26	0.49	32.54	16.11	3.69
1300	-21.98	-161.80	12.59	40.68	-18.92	-112.76	-39.75	156.69	1.27	0.48	32.34	16.17	3.67
1400	-21.55	-168.69	12.56	30.13	-18.95	-121.56	-36.72	148.53	1.28	0.48	32.08	16.23	3.73
1500	-21.37	177.83	12.50	19.45	-19.00	-130.28	-35.87	148.32	1.28	0.47	32.02	16.26	3.78
1600	-20.72	166.25	12.47	9.02	-19.04	-139.01	-35.28	149.59	1.29	0.47	32.37	16.27	3.74
1700	-20.81	155.07	12.42	-1.57	-19.08	-147.84	-33.96	144.65	1.30	0.46	32.72	16.27	3.68
1800	-19.91	144.02	12.38	-12.01	-19.13	-156.65	-32.92	139.73	1.31	0.46	32.47	16.13	3.73
1900	-19.82	134.53	12.33	-22.60	-19.20	-165.44	-31.74	135.06	1.32	0.45	32.17	16.18	3.69
2000	-19.22	122.59	12.30	-32.99	-19.22	-174.23	-30.57	127.50	1.32	0.45	32.14	16.22	3.64
2100	-18.85	114.33	12.23	-43.50	-19.29	176.89	-29.23	120.77	1.33	0.44	32.05	16.23	3.72
2200	-18.39	102.94	12.19	-53.94	-19.36	168.20	-27.90	114.83	1.34	0.44	31.84	16.37	3.62
2300	-17.96	94.53	12.13	-64.39	-19.42	159.29	-26.77	107.26	1.35	0.43	31.73	16.51	3.73
2400	-17.66	84.51	12.10	-74.91	-19.49	150.38	-25.78	99.23	1.36	0.43	31.51	16.64	3.69
2500	-17.09	75.16	12.05	-85.33	-19.56	141.58	-24.73	91.34	1.37	0.42	31.27	16.82	3.70
2600	-16.65	66.53	11.98	-95.72	-19.65	132.79	-23.67	83.46	1.39	0.42	30.80	16.75	3.69
2700	-16.23	58.08	11.95	-106.08	-19.69	123.78	-22.42	74.27	1.39	0.42	30.94	16.68	3.76
2800	-15.89	50.23	11.89	-116.32	-19.80	115.07	-21.48	66.84	1.41	0.41	30.71	16.63	3.67
2900	-15.59	41.40	11.85	-126.82	-19.83	106.02	-20.80	59.19	1.42	0.41	30.55	16.49	3.83
3000	-15.29	32.46	11.80	-137.08	-19.93	96.99	-20.30	52.23	1.43	0.40	30.39	16.47	3.66
3100	-15.04	24.18	11.73	-147.47	-20.03	88.10	-19.70	43.84	1.45	0.40	30.03	16.26	3.86
3200	-14.88	15.14	11.72	-157.48	-20.10	79.32	-19.24	35.81	1.46	0.39	29.85	16.36	3.70
3300	-14.77	5.98	11.66	-167.93	-20.17	70.19	-19.12	26.30	1.47	0.39	29.79	16.47	3.95
3400	-14.73	-3.97	11.65	-178.22	-20.22	61.22	-18.80	16.13	1.48	0.39	29.37	16.54	3.86
3500	-14.61	-12.53	11.58	171.57	-20.31	51.92	-18.50	6.51	1.50	0.38	29.35	16.45	3.81
3600	-14.62	-21.98	11.59	161.14	-20.35	43.03	-18.11	-3.57	1.50	0.38	28.95	16.38	3.88
3700	-14.46	-30.76	11.54	151.08	-20.48	33.80	-17.71	-11.75	1.52	0.37	28.69	16.19	3.85
3800	-14.32	-39.44	11.51	140.78	-20.55	24.87	-17.38	-20.57	1.53	0.37	28.51	16.04	4.01
4000	-14.18	-57.39	11.44	120.25	-20.71	6.51	-16.79	-36.71	1.56	0.37	28.24	15.99	3.82

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 84mA, Vd = 5.11V @Temperature = -45degC

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-23.72	-8.31	13.17	173.88	-18.81	-4.98	-44.71	168.23	1.21	0.52	39.66	18.02	3.75
100	-22.78	-11.96	13.16	168.79	-18.83	-8.73	-52.30	-66.10	1.22	0.52	39.38	18.28	3.98
200	-22.57	-21.36	13.13	158.11	-18.87	-17.48	-49.10	-19.30	1.22	0.52	39.04	18.35	3.86
300	-24.16	-35.38	13.11	147.33	-18.84	-26.03	-39.57	139.72	1.22	0.52	38.51	18.41	3.99
400	-24.84	-52.38	13.08	136.69	-18.86	-34.68	-36.13	150.87	1.23	0.51	37.94	18.63	3.88
500	-24.04	-62.75	13.03	125.90	-18.86	-43.19	-37.24	154.20	1.23	0.51	37.18	18.79	3.83
600	-24.69	-78.34	12.99	115.24	-18.87	-51.77	-36.80	139.05	1.23	0.51	36.83	18.89	3.85
700	-23.89	-91.01	12.96	104.64	-18.87	-60.49	-35.46	133.89	1.24	0.51	36.74	19.05	3.82
800	-24.59	-101.59	12.93	94.08	-18.89	-69.02	-35.39	135.91	1.24	0.50	36.56	19.30	3.92
900	-23.21	-116.50	12.89	83.37	-18.92	-77.82	-37.20	130.60	1.24	0.50	36.49	19.35	3.82
1000	-23.32	-124.58	12.85	72.69	-18.94	-86.49	-38.45	123.39	1.25	0.50	36.18	19.44	3.84
1100	-22.97	-138.81	12.81	62.18	-18.96	-95.20	-38.31	118.76	1.26	0.49	35.95	19.40	3.81
1200	-23.10	-146.86	12.76	51.55	-19.00	-103.89	-38.20	104.27	1.26	0.49	35.74	19.30	3.89
1300	-23.07	-164.33	12.72	41.10	-19.04	-112.59	-37.46	98.47	1.27	0.48	35.42	19.29	3.87
1400	-22.61	-170.63	12.69	30.64	-19.06	-121.32	-35.98	102.42	1.27	0.48	35.10	19.31	3.92
1500	-22.44	175.74	12.64	19.99	-19.11	-130.13	-36.49	104.65	1.28	0.47	34.92	19.30	3.97
1600	-21.70	164.27	12.60	9.53	-19.14	-138.81	-37.25	106.86	1.29	0.47	35.11	19.33	3.95
1700	-21.80	152.91	12.55	-1.00	-19.18	-147.57	-36.65	109.19	1.30	0.47	35.25	19.37	3.88
1800	-20.82	142.10	12.51	-11.40	-19.25	-156.36	-35.90	111.29	1.31	0.46	34.90	19.34	3.93
1900	-20.73	132.95	12.46	-21.91	-19.30	-165.14	-34.87	112.54	1.32	0.45	34.57	19.36	3.87
2000	-20.08	120.94	12.42	-32.27	-19.33	-173.98	-33.51	109.98	1.32	0.45	34.40	19.35	3.85
2100	-19.70	113.06	12.36	-42.74	-19.39	177.21	-31.84	107.13	1.33	0.45	34.30	19.28	3.92
2200	-19.22	101.60	12.31	-53.11	-19.47	168.50	-30.24	105.12	1.34	0.44	33.95	19.24	3.83
2300	-18.76	93.44	12.27	-63.54	-19.53	159.75	-28.87	99.50	1.35	0.43	33.64	19.12	3.93
2400	-18.44	83.56	12.22	-74.00	-19.59	150.74	-27.64	93.30	1.36	0.43	33.28	19.07	3.91
2500	-17.83	74.40	12.18	-84.32	-19.66	141.88	-26.38	86.50	1.37	0.42	33.04	19.10	3.89
2600	-17.37	65.95	12.11	-94.75	-19.76	133.15	-25.14	79.71	1.39	0.42	32.47	19.04	3.92
2700	-16.92	57.89	12.07	-105.08	-19.78	124.17	-23.69	71.25	1.39	0.41	32.61	19.03	3.98
2800	-16.57	50.34	12.01	-115.33	-19.88	115.31	-22.59	64.55	1.41	0.41	32.31	19.06	3.91
2900	-16.26	41.74	11.97	-125.68	-19.94	106.43	-21.81	57.38	1.42	0.41	32.09	19.00	4.04
3000	-15.94	32.97	11.91	-135.89	-20.03	97.41	-21.25	50.80	1.44	0.40	31.89	18.93	3.90
3100	-15.67	24.89	11.85	-146.24	-20.13	88.49	-20.58	42.50	1.45	0.39	31.48	18.66	4.08
3200	-15.51	15.85	11.84	-156.26	-20.21	79.71	-20.06	34.91	1.46	0.39	31.29	18.63	3.91
3300	-15.39	6.89	11.77	-166.56	-20.27	70.63	-19.92	25.43	1.48	0.39	31.21	18.51	4.17
3400	-15.39	-2.95	11.77	-176.86	-20.33	61.70	-19.55	15.31	1.48	0.38	30.84	18.46	4.08
3500	-15.25	-11.29	11.71	172.97	-20.42	52.42	-19.22	5.61	1.50	0.38	30.90	18.37	4.02
3600	-15.27	-20.64	11.69	162.58	-20.45	43.56	-18.78	-4.39	1.51	0.38	30.45	18.29	4.08
3700	-15.07	-29.19	11.66	152.57	-20.57	34.48	-18.37	-12.37	1.53	0.37	30.29	18.13	4.06
3800	-14.95	-37.72	11.62	142.32	-20.64	25.27	-17.97	-21.08	1.54	0.37	30.07	18.08	4.23
4000	-14.79	-55.24	11.54	121.91	-20.80	6.97	-17.33	-36.99	1.57	0.36	29.75	17.89	4.10

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 70mA, Vd = 4.49V @Temperature = +85degC

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-23.73	-3.14	12.91	174.16	-18.72	-4.99	-49.46	94.77	1.23	0.51	36.03	16.78	4.78
100	-24.39	-8.27	12.91	169.33	-18.69	-8.31	-44.48	140.43	1.23	0.51	35.82	17.01	5.03
200	-25.29	-25.66	12.87	159.20	-18.72	-16.21	-37.92	170.21	1.23	0.51	36.07	17.05	4.88
300	-24.33	-38.73	12.83	148.92	-18.74	-24.06	-39.19	-164.46	1.24	0.51	35.50	17.12	5.03
400	-23.74	-50.72	12.80	138.81	-18.74	-31.95	-40.38	-132.55	1.24	0.50	34.99	17.32	4.95
500	-23.18	-61.13	12.74	128.65	-18.75	-39.81	-41.07	-133.80	1.24	0.50	34.41	17.40	4.96
600	-23.56	-75.14	12.70	118.59	-18.77	-47.78	-40.71	-149.33	1.25	0.50	34.11	17.47	4.95
700	-22.52	-85.65	12.66	108.61	-18.80	-55.74	-39.32	-147.27	1.25	0.49	34.07	17.59	4.93
800	-22.83	-94.92	12.62	98.56	-18.83	-63.62	-37.90	-143.71	1.26	0.49	34.08	17.76	5.01
900	-21.91	-106.61	12.57	88.53	-18.85	-71.63	-37.23	-146.68	1.27	0.49	33.91	17.75	4.96
1000	-22.26	-115.92	12.53	78.41	-18.86	-79.61	-37.25	-153.00	1.27	0.48	33.63	17.80	4.98
1100	-21.62	-130.32	12.47	68.49	-18.91	-87.59	-37.04	-158.48	1.28	0.48	33.44	17.74	4.94
1200	-21.46	-136.97	12.43	58.52	-18.95	-95.60	-36.26	-161.34	1.29	0.47	33.20	17.59	5.02
1300	-21.21	-151.70	12.39	48.66	-19.01	-103.59	-35.34	-165.94	1.30	0.47	32.79	17.58	4.98
1400	-20.72	-158.41	12.34	38.77	-19.04	-111.59	-34.27	-175.35	1.30	0.46	32.49	17.61	5.07
1500	-20.53	-169.97	12.29	28.72	-19.09	-119.65	-33.53	176.40	1.31	0.46	32.41	17.58	5.13
1600	-20.06	-179.56	12.24	18.91	-19.13	-127.59	-32.40	169.34	1.32	0.45	32.75	17.60	5.09
1700	-20.17	169.92	12.20	9.01	-19.18	-135.68	-31.15	161.28	1.33	0.45	32.85	17.63	5.04
1800	-19.41	160.48	12.15	-0.79	-19.24	-143.71	-30.24	152.36	1.34	0.44	32.36	17.58	5.10
1900	-19.32	152.00	12.10	-10.76	-19.31	-151.78	-28.95	145.40	1.35	0.44	31.98	17.60	5.07
2000	-18.74	141.69	12.06	-20.49	-19.36	-159.76	-27.70	138.05	1.36	0.43	31.84	17.55	5.01
2100	-18.49	134.26	11.99	-30.37	-19.42	-167.92	-26.62	131.22	1.37	0.43	31.59	17.46	5.12
2200	-18.05	123.57	11.95	-40.14	-19.50	-175.95	-25.53	124.94	1.38	0.42	31.26	17.41	5.01
2300	-17.64	115.50	11.90	-49.93	-19.58	175.97	-24.56	118.12	1.39	0.42	30.96	17.31	5.11
2400	-17.33	106.41	11.84	-59.86	-19.66	167.77	-23.71	111.34	1.41	0.41	30.60	17.25	5.14
2500	-16.88	98.05	11.80	-69.55	-19.72	159.74	-22.87	103.95	1.42	0.41	30.25	17.28	5.09
2600	-16.56	89.60	11.73	-79.37	-19.82	151.63	-22.15	97.25	1.44	0.40	29.69	17.23	5.14
2700	-16.23	80.65	11.69	-89.06	-19.87	143.47	-21.40	89.25	1.44	0.40	29.81	17.17	5.16
2800	-15.95	72.30	11.63	-98.73	-19.99	135.41	-20.86	81.94	1.46	0.39	29.56	17.18	5.13
2900	-15.64	63.38	11.58	-108.56	-20.05	127.17	-20.28	73.97	1.47	0.39	29.29	17.02	5.27
3000	-15.30	54.59	11.53	-118.14	-20.14	118.82	-19.78	67.03	1.49	0.38	29.10	16.91	5.13
3100	-14.95	46.36	11.46	-127.95	-20.25	110.65	-19.18	60.04	1.51	0.37	28.66	16.61	5.34
3200	-14.61	37.60	11.43	-137.32	-20.34	102.61	-18.58	52.74	1.52	0.37	28.51	16.62	5.15
3300	-14.35	29.38	11.35	-147.21	-20.42	94.18	-18.20	44.82	1.54	0.37	28.41	16.51	5.40
3400	-14.11	20.22	11.34	-156.80	-20.51	85.89	-17.71	36.96	1.55	0.36	28.03	16.42	5.34
3500	-13.88	12.42	11.27	-166.38	-20.60	77.60	-17.44	29.79	1.57	0.36	27.96	16.31	5.23
3600	-13.75	3.43	11.25	-176.16	-20.67	69.37	-17.15	21.76	1.58	0.36	27.55	16.21	5.39
3700	-13.47	-4.07	11.20	174.45	-20.79	61.14	-16.80	14.43	1.60	0.35	27.27	15.97	5.26
3800	-13.34	-12.03	11.15	164.82	-20.88	52.69	-16.56	6.49	1.62	0.35	27.08	15.81	5.54
4000	-13.12	-28.15	11.07	145.57	-21.07	35.89	-16.08	-9.39	1.65	0.34	26.75	15.57	5.39

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 56mA, 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	Delta	(dBm)	(dBm)	(dB)
50	-22.73	-3.55	12.79	174.16	-18.65	-4.45	-40.44	20.51	1.23	0.51	32.83	15.85	4.73
100	-23.32	-8.65	12.78	169.30	-18.62	-8.14	-44.96	14.37	1.23	0.51	32.61	16.20	4.94
200	-24.04	-24.73	12.74	159.14	-18.63	-16.20	-50.95	-153.28	1.24	0.51	32.88	16.09	4.81
300	-23.30	-37.89	12.71	148.88	-18.64	-24.01	-41.97	-99.94	1.24	0.51	32.51	16.03	4.94
400	-22.77	-49.54	12.67	138.75	-18.65	-32.07	-37.35	-82.71	1.24	0.50	32.15	16.18	4.87
500	-22.28	-59.94	12.61	128.59	-18.66	-39.94	-37.21	-86.99	1.25	0.50	31.77	16.21	4.86
600	-22.61	-73.70	12.57	118.52	-18.69	-47.80	-37.29	-100.74	1.25	0.49	31.57	16.16	4.86
700	-21.66	-84.25	12.54	108.44	-18.71	-55.88	-36.07	-108.70	1.26	0.49	31.69	16.20	4.88
800	-21.97	-93.63	12.49	98.44	-18.74	-63.71	-34.51	-114.81	1.26	0.49	31.79	16.28	4.93
900	-21.12	-105.18	12.44	88.37	-18.76	-71.72	-33.88	-121.64	1.27	0.48	31.78	16.29	4.88
1000	-21.43	-114.55	12.41	78.29	-18.79	-79.69	-33.78	-129.71	1.27	0.48	31.60	16.30	4.89
1100	-20.88	-128.73	12.36	68.29	-18.82	-87.78	-33.37	-136.55	1.28	0.48	31.34	16.23	4.86
1200	-20.72	-135.57	12.31	58.29	-18.85	-95.73	-32.70	-143.09	1.29	0.47	31.13	16.02	4.95
1300	-20.52	-150.05	12.27	48.46	-18.91	-103.73	-31.97	-150.52	1.30	0.47	30.91	16.06	4.92
1400	-20.04	-157.07	12.22	38.51	-18.95	-111.79	-31.38	-161.34	1.30	0.46	30.57	16.11	4.97
1500	-19.86	-168.61	12.18	28.52	-18.99	-119.74	-30.82	-170.88	1.31	0.46	30.52	16.11	5.05
1600	-19.44	-178.19	12.12	18.64	-19.04	-127.75	-29.91	-179.60	1.32	0.45	30.92	16.12	5.02
1700	-19.52	171.32	12.09	8.71	-19.08	-135.84	-29.06	170.55	1.33	0.45	31.35	16.12	4.95
1800	-18.79	161.72	12.04	-1.14	-19.15	-143.85	-28.32	160.86	1.34	0.44	30.99	16.05	5.02
1900	-18.71	153.13	11.99	-11.09	-19.23	-151.89	-27.29	152.50	1.35	0.44	30.58	16.09	4.98
2000	-18.16	142.75	11.94	-20.85	-19.26	-159.94	-26.18	144.36	1.36	0.43	30.52	16.11	4.92
2100	-17.92	135.08	11.88	-30.76	-19.33	-168.17	-25.26	136.31	1.37	0.43	30.28	16.07	5.04
2200	-17.52	124.44	11.84	-40.55	-19.41	-176.15	-24.29	129.13	1.38	0.42	30.11	16.13	4.93
2300	-17.12	116.27	11.79	-50.35	-19.49	175.87	-23.48	121.43	1.39	0.42	29.87	16.19	5.05
2400	-16.81	107.04	11.74	-60.27	-19.57	167.47	-22.70	114.09	1.41	0.41	29.63	16.17	5.03
2500	-16.39	98.50	11.69	-70.00	-19.62	159.54	-21.97	106.29	1.42	0.41	29.34	16.27	4.99
2600	-16.09	89.98	11.62	-79.87	-19.73	151.27	-21.30	99.24	1.43	0.40	28.80	16.17	5.04
2700	-15.78	80.95	11.58	-89.54	-19.78	143.20	-20.62	91.07	1.44	0.40	28.93	16.13	5.10
2800	-15.50	72.44	11.52	-99.27	-19.89	135.03	-20.13	83.42	1.46	0.39	28.72	16.07	5.03
2900	-15.21	63.45	11.48	-109.13	-19.96	126.76	-19.63	75.37	1.47	0.39	28.52	15.98	5.17
3000	-14.87	54.68	11.42	-118.80	-20.06	118.44	-19.14	68.21	1.49	0.38	28.33	15.89	5.01
3100	-14.53	46.36	11.35	-128.61	-20.15	110.27	-18.59	60.85	1.51	0.38	27.91	15.60	5.23
3200	-14.22	37.48	11.32	-138.02	-20.25	102.20	-18.03	53.46	1.52	0.37	27.78	15.66	5.04
3300	-13.94	29.13	11.24	-147.81	-20.34	93.91	-17.71	45.43	1.54	0.37	27.67	15.61	5.30
3400	-13.72	19.96	11.23	-157.51	-20.40	85.67	-17.23	37.45	1.54	0.37	27.27	15.57	5.23
3500	-13.48	11.97	11.16	-167.05	-20.53	77.19	-16.98	30.18	1.57	0.36	27.21	15.45	5.15
3600	-13.38	2.98	11.14	-176.92	-20.57	69.02	-16.70	22.17	1.57	0.36	26.83	15.33	5.32
3700	-13.11	-4.69	11.09	173.69	-20.69	60.70	-16.38	14.69	1.59	0.36	26.52	15.10	5.18
3800	-12.99	-12.71	11.04	164.00	-20.78	52.27	-16.16	6.71	1.61	0.35	26.37	14.96	5.43
4000	-12.77	-29.02	10.96	144.71	-20.98	35.51	-15.70	-9.25	1.65	0.35	26.12	14.68	5.27

TYPE: MMIC Amplifier
MODEL: GALI-6 Reference Data: RDF-1245E
S PARAMETERS are presented in dB/deg Format
TEST CONDITIONS: INPUT POWER = -15dBm, Icc = 84mA, Vd = 4.67V @Temperature = +85degC

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

FREQ	S11		S21		S12		S22		Stability		IP-3 Output	1 dB Compression Output	Noise Figure
(MHz)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	(dB)	(deg)	K	Delta	(dBm)	(dBm)	(dB)
50	-24.49	-3.19	12.99	174.19	-18.79	-4.46	-41.53	152.09	1.23	0.51	37.80	17.00	4.89
100	-25.18	-8.45	12.97	169.33	-18.74	-8.31	-38.48	157.59	1.23	0.51	37.84	17.23	5.11
200	-26.02	-25.93	12.93	159.17	-18.76	-16.25	-34.42	166.98	1.23	0.51	37.56	17.29	4.97
300	-25.04	-39.33	12.90	148.95	-18.78	-24.05	-36.14	178.77	1.23	0.51	36.78	17.40	5.13
400	-24.38	-51.57	12.86	138.88	-18.80	-31.92	-38.64	-165.48	1.24	0.50	36.33	17.64	5.03
500	-23.77	-61.84	12.81	128.72	-18.82	-39.82	-39.81	-171.61	1.24	0.50	35.94	17.76	5.04
600	-24.19	-76.27	12.77	118.66	-18.84	-47.82	-38.93	177.10	1.25	0.50	35.55	17.89	5.02
700	-23.08	-86.58	12.72	108.60	-18.85	-55.64	-39.00	-179.68	1.25	0.49	35.34	18.07	5.05
800	-23.42	-96.02	12.68	98.66	-18.88	-63.59	-38.65	-172.86	1.26	0.49	35.12	18.37	5.09
900	-22.43	-107.67	12.64	88.59	-18.90	-71.55	-38.56	-172.77	1.26	0.49	34.83	18.42	5.05
1000	-22.80	-116.92	12.59	78.53	-18.94	-79.52	-38.86	-179.21	1.27	0.48	34.54	18.57	5.05
1100	-22.12	-131.63	12.54	68.59	-18.96	-87.57	-38.84	178.16	1.28	0.48	34.19	18.56	5.04
1200	-21.96	-137.89	12.49	58.63	-19.01	-95.51	-38.44	178.08	1.29	0.47	33.93	18.46	5.10
1300	-21.69	-152.89	12.45	48.78	-19.05	-103.47	-37.63	177.85	1.29	0.47	33.55	18.43	5.10
1400	-21.16	-159.42	12.41	38.90	-19.08	-111.51	-36.37	170.32	1.30	0.46	33.26	18.42	5.15
1500	-20.97	-171.04	12.36	28.92	-19.14	-119.53	-35.42	164.49	1.31	0.46	33.08	18.34	5.23
1600	-20.50	179.48	12.31	19.06	-19.20	-127.51	-34.11	159.76	1.32	0.45	33.32	18.38	5.20
1700	-20.61	168.90	12.26	9.20	-19.23	-135.55	-32.71	153.08	1.33	0.45	33.06	18.42	5.15
1800	-19.78	159.52	12.22	-0.59	-19.29	-143.48	-31.60	145.79	1.34	0.44	32.54	18.35	5.19
1900	-19.72	151.18	12.16	-10.56	-19.36	-151.58	-30.14	139.72	1.35	0.44	32.15	18.36	5.18
2000	-19.10	140.83	12.12	-20.27	-19.42	-159.69	-28.74	133.82	1.36	0.43	32.01	18.25	5.12
2100	-18.84	133.62	12.06	-30.15	-19.47	-167.69	-27.54	127.88	1.37	0.43	31.74	18.11	5.23
2200	-18.40	122.93	12.01	-39.90	-19.56	-175.79	-26.37	122.39	1.38	0.42	31.41	18.02	5.11
2300	-17.98	115.01	11.96	-49.68	-19.63	176.15	-25.33	116.33	1.39	0.42	31.03	17.86	5.23
2400	-17.66	105.86	11.91	-59.58	-19.70	167.95	-24.41	109.83	1.41	0.41	30.71	17.78	5.24
2500	-17.18	97.60	11.86	-69.21	-19.78	159.93	-23.50	102.89	1.42	0.40	30.43	17.81	5.22
2600	-16.88	89.28	11.79	-79.05	-19.87	151.69	-22.71	96.31	1.44	0.40	29.84	17.76	5.26
2700	-16.53	80.39	11.76	-88.76	-19.91	143.71	-21.92	88.68	1.44	0.40	29.90	17.74	5.29
2800	-16.24	72.03	11.70	-98.41	-20.04	135.52	-21.35	81.34	1.46	0.39	29.64	17.73	5.26
2900	-15.93	63.23	11.65	-108.17	-20.10	127.29	-20.74	73.65	1.47	0.39	29.36	17.63	5.37
3000	-15.57	54.50	11.59	-117.86	-20.19	118.97	-20.18	66.92	1.49	0.38	29.14	17.51	5.26
3100	-15.22	46.35	11.52	-127.61	-20.31	110.78	-19.56	59.91	1.51	0.37	28.76	17.24	5.43
3200	-14.88	37.52	11.49	-137.01	-20.40	102.80	-18.93	52.81	1.52	0.37	28.56	17.20	5.28
3300	-14.60	29.46	11.41	-146.82	-20.47	94.46	-18.54	44.87	1.54	0.37	28.44	17.07	5.52
3400	-14.36	20.29	11.40	-156.41	-20.55	86.20	-18.03	37.07	1.55	0.36	28.06	17.01	5.46
3500	-14.11	12.57	11.32	-165.96	-20.66	77.76	-17.73	29.94	1.57	0.36	27.99	16.89	5.38
3600	-14.00	3.66	11.31	-175.71	-20.72	69.64	-17.43	22.03	1.58	0.36	27.60	16.79	5.54
3700	-13.71	-3.85	11.26	174.93	-20.85	61.36	-17.07	14.74	1.60	0.35	27.31	16.57	5.39
3800	-13.57	-11.70	11.22	165.27	-20.92	52.85	-16.80	6.83	1.62	0.35	27.10	16.44	5.68
4000	-13.35	-27.63	11.13	146.06	-21.11	36.18	-16.29	-8.95	1.65	0.34	26.71	16.17	5.51