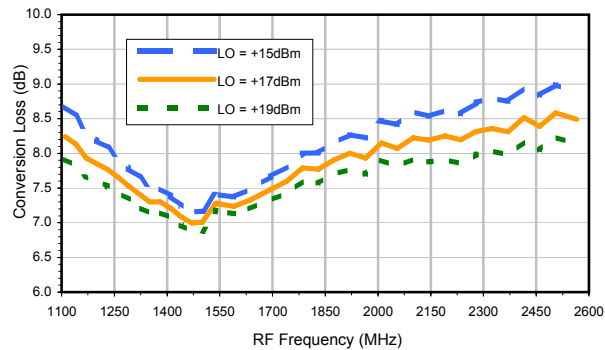
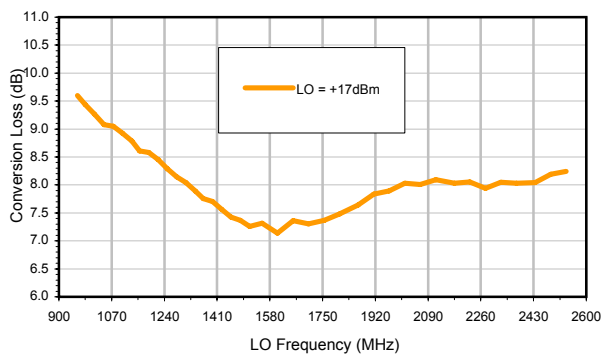


Typical Performance Curves

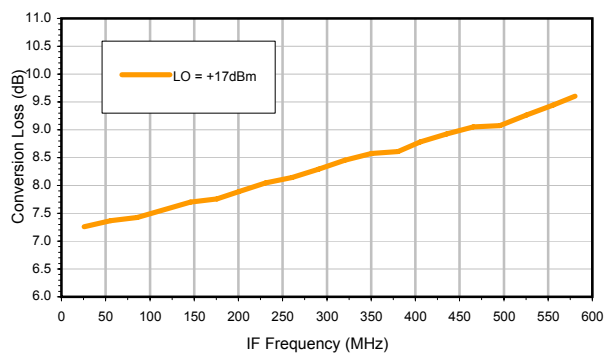
Conversion Loss @IF=90 MHz



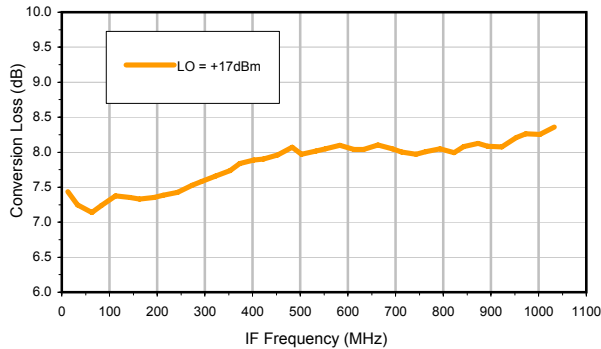
Conversion Loss vs. LO @ RF=1540.6 MHz



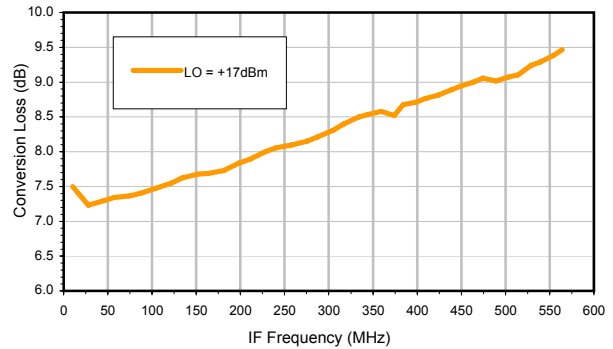
Conversion Loss vs. IF @ RF=1540.6 MHz



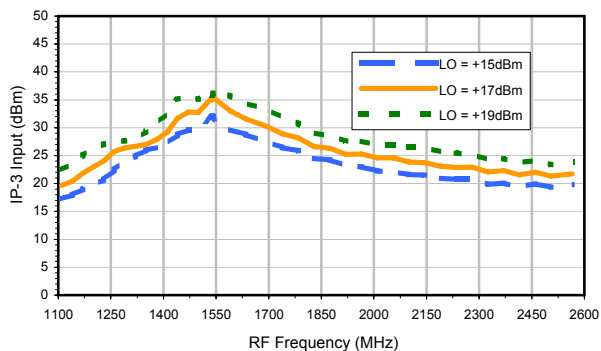
Conversion Loss vs. IF @ RF=1537 MHz



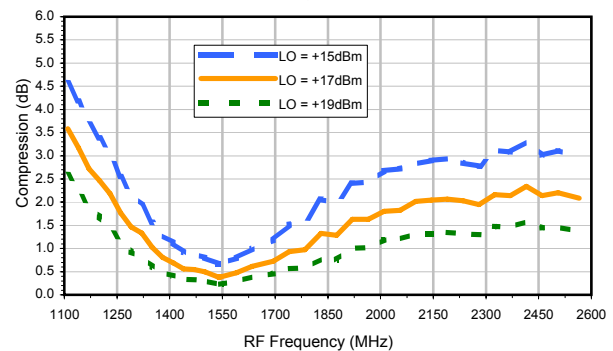
Conversion Loss vs. IF @ RF=1544.2 MHz



IP-3 Input

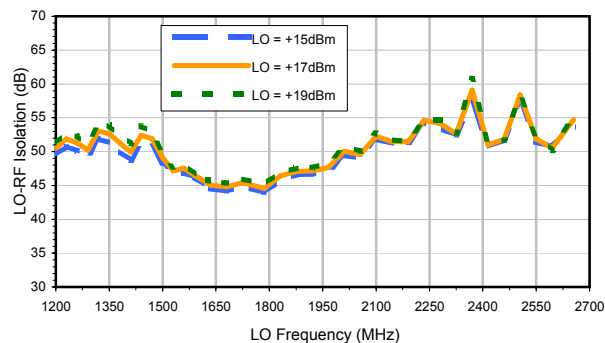


Compression @RF IN=+20 dBm

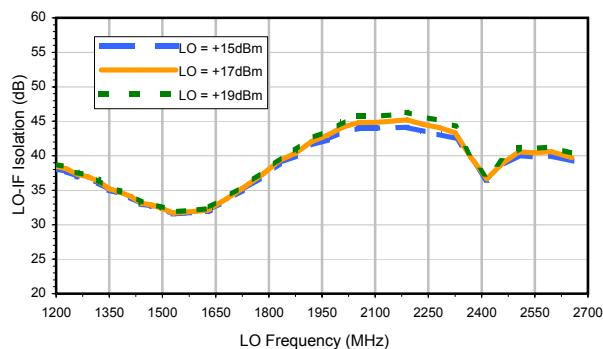


Typical Performance Curves

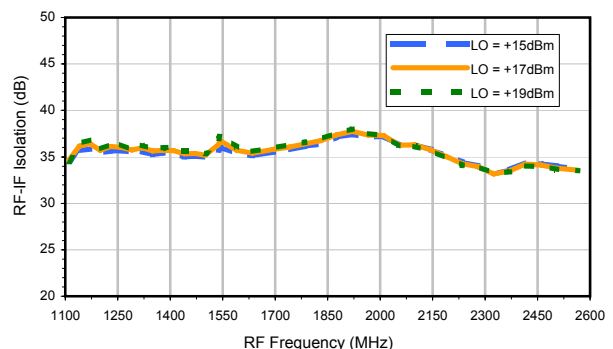
LO-RF Isolation



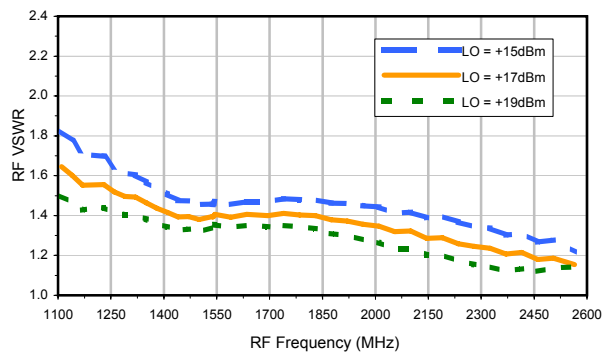
LO-IF Isolation



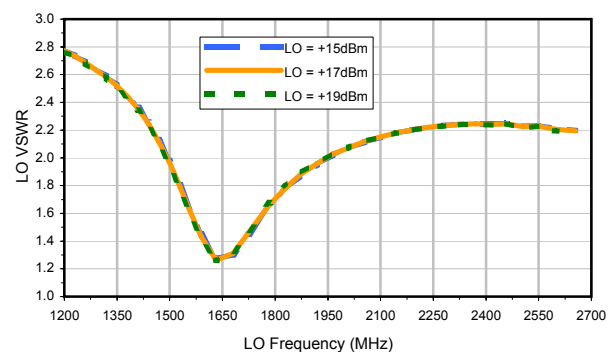
RF-IF Isolation



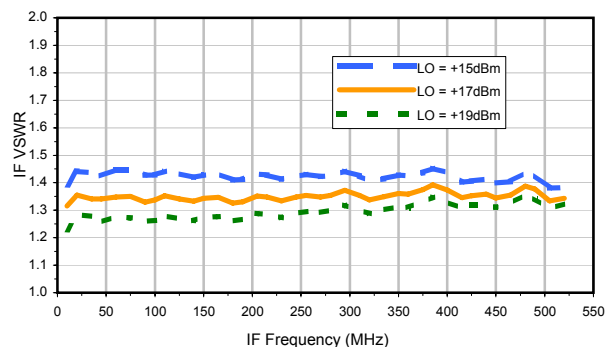
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	6.22	17.48	19.13	33.08	34.55	37.94	42.95	45.48	----	----
1	----	29.02	----	31.06	17.12	37.02	34.02	47.00	39.75	51.52	47.88	----
2	96.55	64.42	64.05	64.15	64.24	68.29	67.56	66.90	72.59	74.77	73.98	75.87
3	123.82	91.26	82.34	83.46	78.07	90.67	81.75	104.46	93.53	100.56	90.63	101.61
4	123.81	105.31	96.85	99.83	87.60	95.49	91.31	102.62	95.68	107.24	101.41	106.47
5	122.83	113.33	111.45	112.46	103.59	112.81	103.12	112.71	110.45	114.26	112.64	111.42
6	124.25	113.67	113.71	114.18	113.67	112.28	112.61	113.11	111.83	113.36	113.97	113.84
7	121.94	112.40	112.92	111.70	111.55	112.05	112.60	112.52	115.19	112.47	110.79	112.50
8	122.79	110.49	113.39	112.91	113.44	110.77	113.65	110.80	113.79	113.74	113.37	112.90
9	119.19	----	113.22	113.25	113.45	112.25	111.62	113.25	112.71	114.44	114.55	111.08
10	119.95	----	----	113.45	112.61	112.83	112.00	112.52	112.48	113.13	114.80	113.00
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1540.6 MHz; 0 dBm.
LO IN: 1630.6 MHz; +17.00 dBm
IF OUT: 90 MHz; -7.14 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	16.79	27.29	29.25	41.39	45.62	48.56	75.08	59.74	----	----
1	----	28.98	----	30.65	17.15	37.47	34.81	47.76	40.02	63.02	49.46	----
2	87.12	53.12	50.40	52.58	52.33	56.93	58.20	57.02	67.81	65.62	66.63	70.91
3	112.25	67.64	59.34	76.28	53.42	66.54	58.18	74.46	67.75	83.29	68.96	85.85
4	114.08	83.85	81.20	96.25	76.49	82.92	77.96	89.70	84.55	91.60	86.39	83.72
5	111.51	92.09	87.86	89.63	79.34	83.64	75.30	83.93	82.06	91.90	90.51	105.68
6	113.67	100.97	96.61	96.74	91.30	92.48	79.73	89.25	85.09	97.28	89.88	103.24
7	114.45	102.57	99.46	101.94	98.37	97.13	89.15	89.52	85.76	92.95	93.08	103.29
8	113.62	116.34	104.55	110.95	107.25	105.57	104.08	99.09	90.81	95.67	95.98	105.02
9	109.74	----	112.84	115.56	118.14	116.74	113.54	115.04	107.98	105.18	101.94	111.46
10	110.68	----	----	120.58	116.17	120.28	119.49	117.62	112.97	113.24	104.48	107.72
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1540.6 MHz; +10 dBm.
LO IN: 1630.6 MHz; +17.00 dBm
IF OUT: 90 MHz; 2.86 dBm

- Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT.
2. + entry denotes harmonics are in (dBc) above IF OUTPUT.
3. RF Cal represent the Harmonics level of the RF input signal to the mixer.