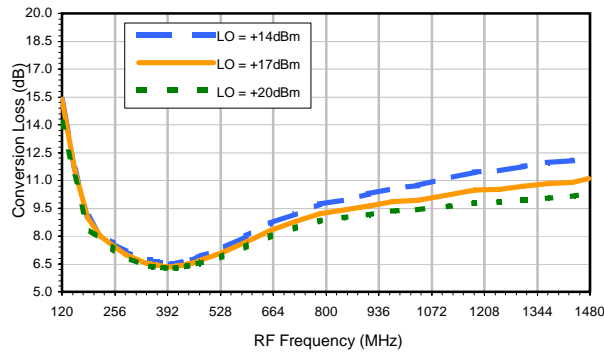
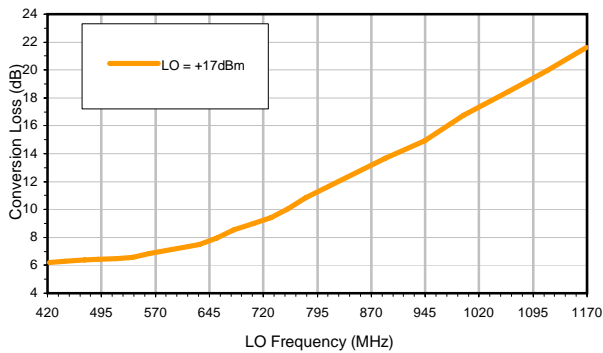


## Typical Performance Curves

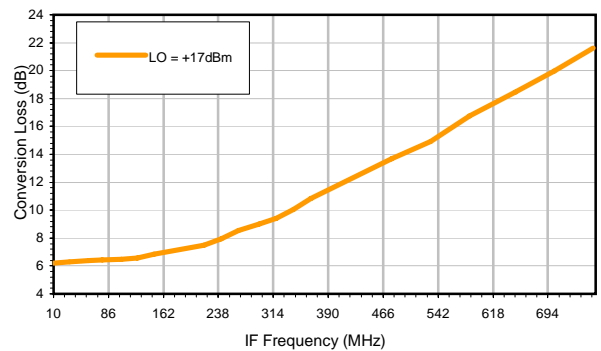
Conversion Loss @IF=30 MHz



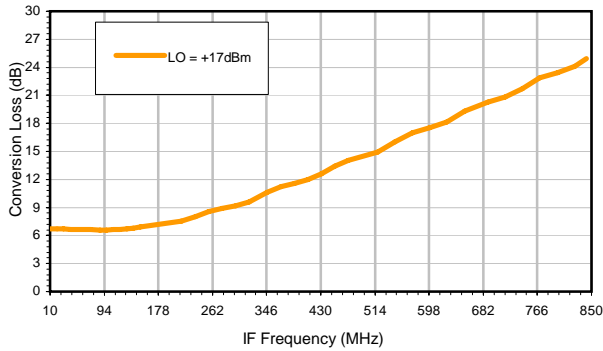
Conversion Loss vs. LO @ RF=412.5 MHz



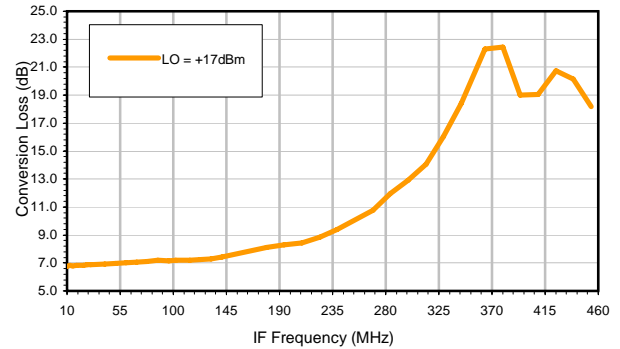
Conversion Loss vs. IF @ RF=412.5 MHz



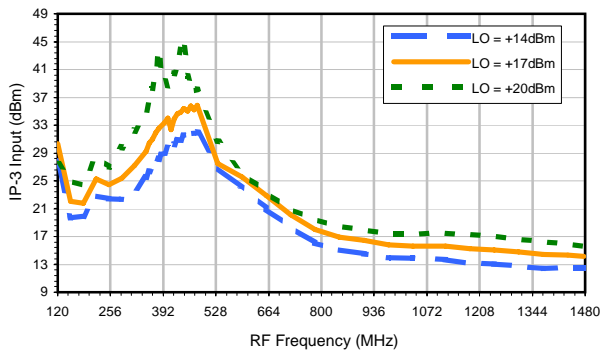
Conversion Loss vs. IF @ RF=345 MHz



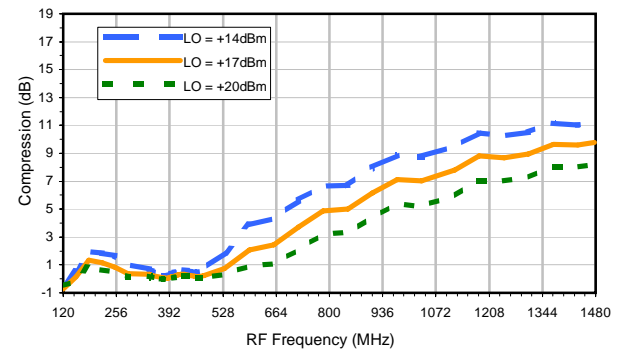
Conversion Loss vs. IF @ RF=480 MHz



IP-3 Input

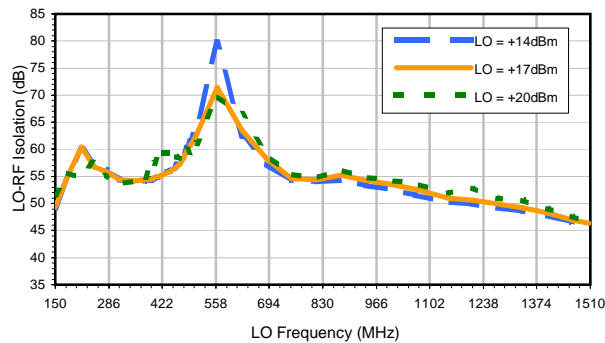


Compression @RF IN=+20 dBm

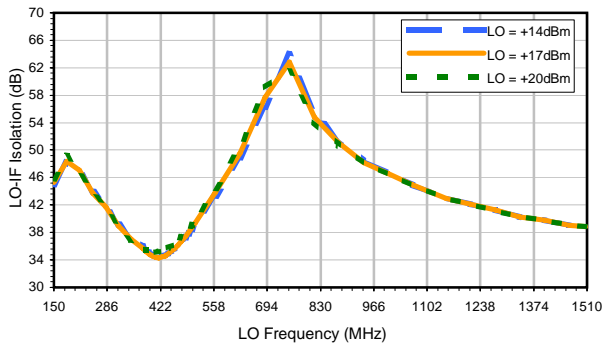


## Typical Performance Curves

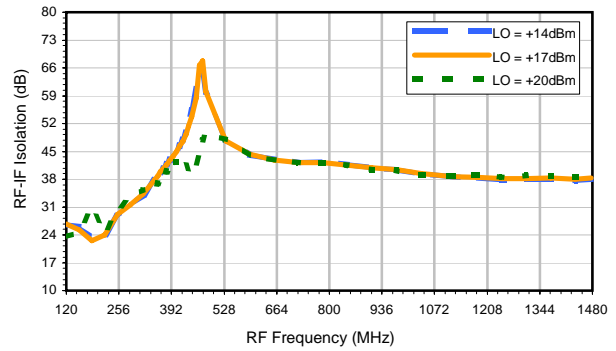
LO-RF Isolation



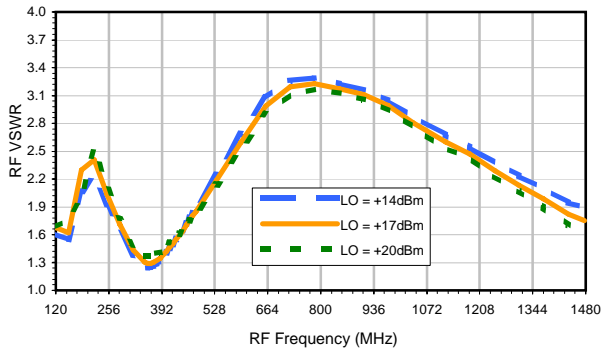
LO-IF Isolation



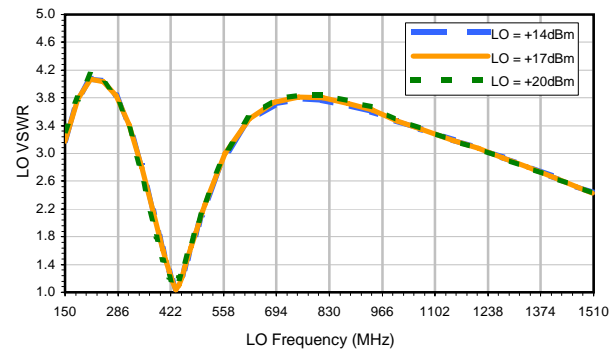
RF-IF Isolation



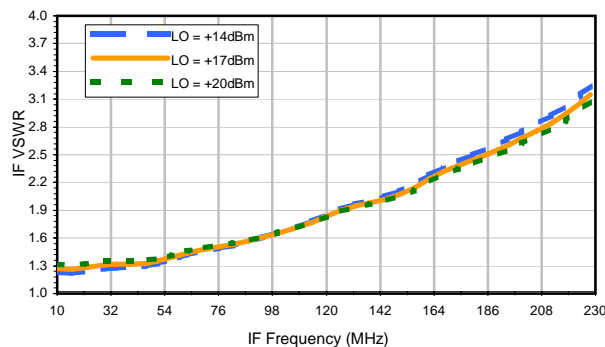
RF VSWR



LO VSWR



IF VSWR



## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	--	--	13.25	50.51	49.46	49.12	43.13	53.43	34.30	49.08	38.80	52.78
1	--	42.75	--	45.55	32.65	53.84	32.26	52.96	38.03	54.92	37.80	74.83
2	89.82	79.78	58.09	61.75	68.92	85.18	85.38	79.27	96.24	75.53	68.71	69.15
3	91.12	109.03	76.09	89.72	74.85	99.04	96.33	100.46	82.23	102.56	73.39	100.93
4	127.45	118.94	120.00	114.12	102.50	98.41	113.47	119.88	118.93	119.25	110.19	112.02
5	126.90	119.47	119.50	118.89	116.36	111.28	96.34	118.88	119.79	119.75	116.40	117.10
6	127.28	117.50	113.66	120.32	119.58	117.05	102.85	102.25	108.69	119.45	114.25	118.63
7	126.60	118.35	117.81	119.62	118.81	119.92	112.70	111.89	111.00	118.39	119.58	119.65
8	125.59	117.04	116.92	119.74	117.32	115.76	119.78	114.62	109.36	111.62	119.56	120.07
9	128.60	119.07	117.87	117.82	118.11	118.38	119.42	120.01	106.79	115.36	106.04	119.57
10	128.87	119.51	118.38	118.69	117.83	118.87	119.22	119.70	118.93	109.43	110.93	110.67
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 412.50 MHz; 0.00 dBm.  
 LO IN: 462.50 MHz; +17.00 dBm  
 IF OUT: 50.00 MHz; -6.35 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	--	--	24.25	56.40	58.41	54.89	56.04	59.07	45.97	51.80	51.70	54.95
1	--	37.80	--	58.55	34.52	59.49	31.42	59.98	37.14	56.11	40.64	54.64
2	69.09	68.86	50.63	50.33	61.38	77.95	82.89	67.42	76.70	64.24	59.87	63.21
3	61.35	96.91	60.06	87.57	58.74	81.23	82.30	90.02	63.58	86.69	54.77	75.40
4	91.34	100.69	109.37	95.01	81.67	87.44	84.34	115.23	93.04	96.28	86.51	82.49
5	100.95	105.80	87.94	116.02	78.67	95.57	72.90	103.90	98.31	109.25	85.53	107.80
6	113.36	108.30	109.68	115.17	115.36	100.32	101.17	91.54	107.92	115.04	113.74	104.78
7	113.63	109.17	101.06	113.93	105.63	115.78	91.81	98.78	85.94	115.67	108.03	114.43
8	124.74	111.47	113.33	115.53	114.52	114.71	115.95	108.24	108.71	104.92	115.05	115.00
9	127.94	114.10	112.72	113.99	113.99	115.31	115.33	115.01	103.08	115.00	99.01	114.90
10	128.71	112.13	111.00	87.42	113.27	114.41	114.44	115.56	114.42	114.69	114.36	113.93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 412.50 MHz; 10.00 dBm.  
 LO IN: 462.50 MHz; +17.00 dBm  
 IF OUT: 50.00 MHz; 3.56 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 represents the Harmonics level of the RF Input Signal to the mixer