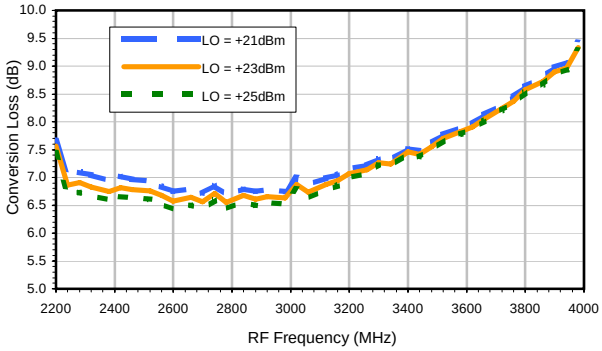
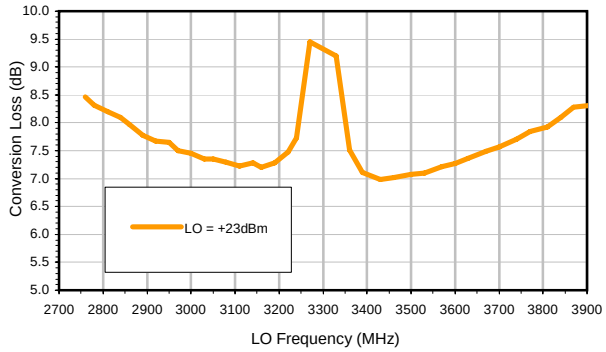
Typical Performance Curves

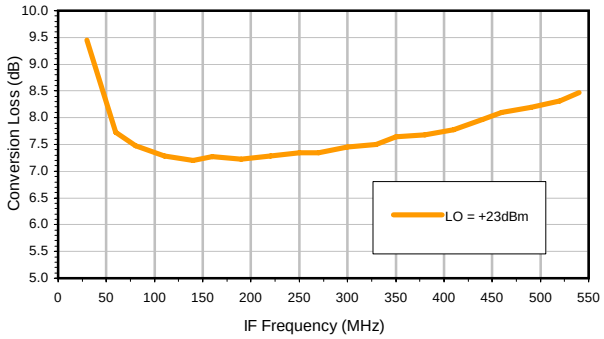
Conversion Loss @IF=300 MHz



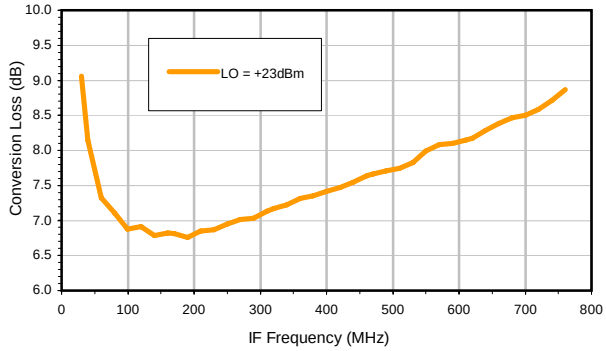
Conversion Loss vs. LO @ RF=3300.1 MHz



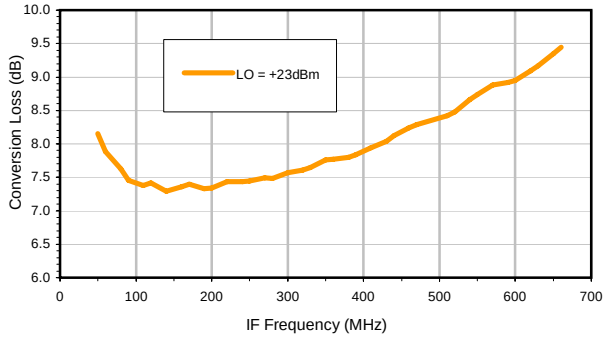
Conversion Loss vs. IF @ RF=3300.1 MHz



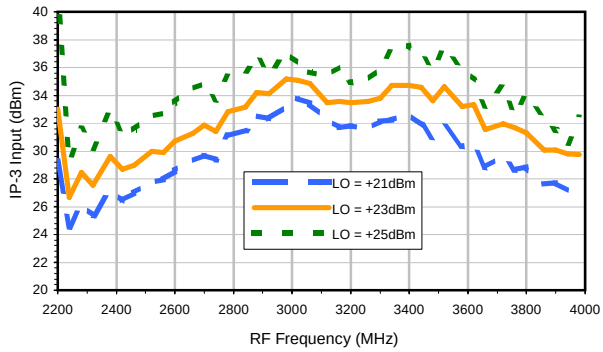
Conversion Loss vs. IF @ RF=3200.1 MHz



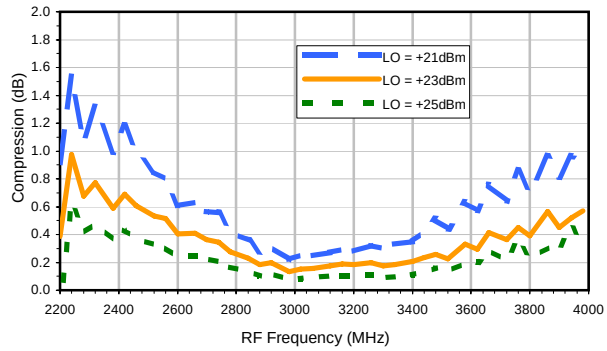
Conversion Loss vs. IF @ RF=3400.1 MHz



IP-3 Input

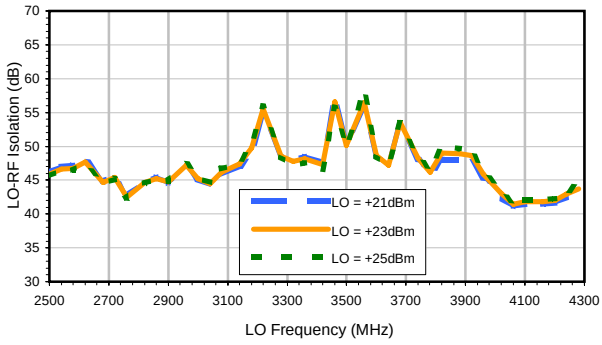


Compression @RF IN=+20 dBm

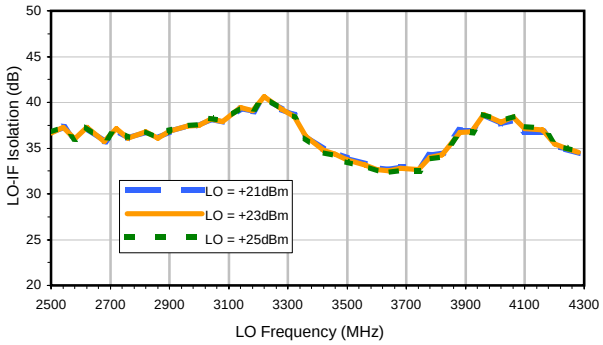


Typical Performance Curves

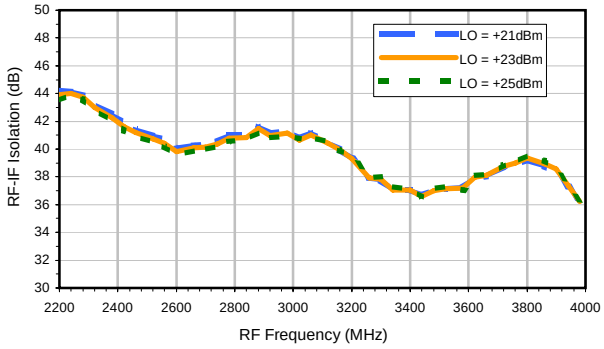
LO-RF Isolation



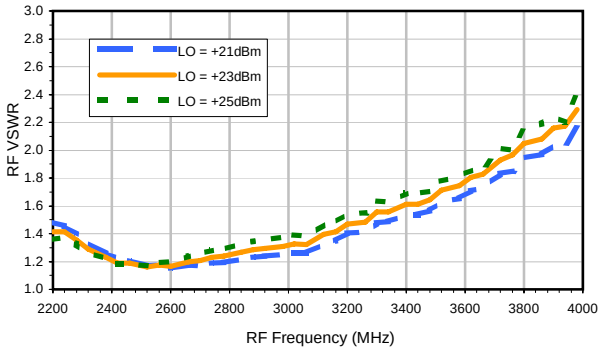
LO-IF Isolation



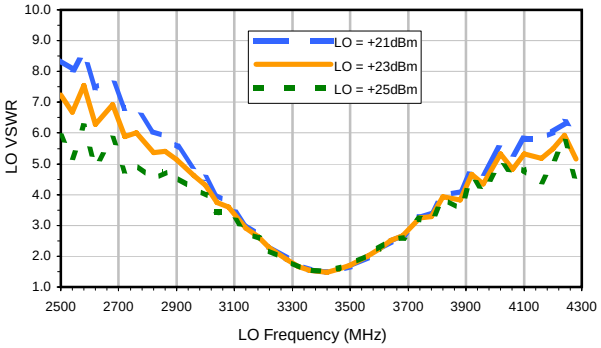
RF-IF Isolation



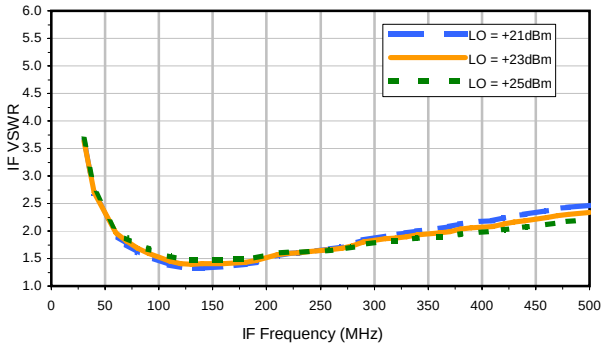
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	2.02	7.76	29.58	38.87	20.46	58.09	46.68	---	---	---
1	---	30.86	---	48.42	29.40	56.01	52.37	55.00	87.46	75.70	---	---
2	106.51	68.89	74.98	66.19	68.46	74.17	94.65	81.52	80.30	94.62	90.45	---
3	125.99	101.83	82.58	110.21	76.83	91.39	91.63	100.78	107.07	104.15	106.48	102.52
4	127.18	112.52	107.80	112.97	112.18	104.92	110.51	110.20	113.00	108.50	108.04	106.25
5	123.64	110.69	112.28	114.32	111.05	113.88	114.51	113.01	111.80	111.20	109.45	108.11
6	121.83	106.89	110.39	112.56	113.42	112.04	115.45	112.30	111.54	113.81	111.62	109.50
7	119.52	105.23	106.88	108.67	112.64	112.28	112.60	113.84	114.05	113.00	113.59	109.65
8	118.35	104.37	105.34	108.66	108.62	113.45	111.64	109.48	105.80	113.62	112.09	108.31
9	118.02	---	104.59	107.01	102.58	104.11	99.33	92.18	91.34	76.82	111.81	82.48
10	116.72	---	---	89.82	95.11	80.18	81.50	95.12	74.26	68.46	66.22	74.87
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 3300 MHz; 0 dBm.
LO IN: 3600 MHz; +23.00 dBm
IF OUT: 300 MHz; -7.16 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	13.30	16.96	33.90	48.55	30.86	66.15	56.79	---	---	---
1	---	31.40	---	49.05	29.33	56.44	52.15	54.34	88.46	75.81	---	---
2	95.40	60.79	64.67	59.66	58.11	64.52	81.12	70.87	70.46	86.70	79.44	---
3	117.87	82.85	62.72	89.07	56.70	74.81	73.73	83.32	87.31	84.77	106.30	98.23
4	116.79	99.95	96.61	90.53	101.02	80.11	95.88	86.17	102.70	108.19	102.57	107.20
5	111.97	118.42	115.85	102.57	112.10	115.86	104.15	95.82	100.08	110.03	117.60	114.79
6	111.65	117.12	110.73	120.34	96.39	106.43	114.88	114.99	106.68	96.52	121.69	112.19
7	109.79	114.26	111.55	115.51	109.64	99.70	95.83	104.17	115.27	110.21	103.08	114.06
8	106.76	110.61	110.74	102.84	109.43	102.84	86.21	95.92	80.09	101.04	90.66	96.64
9	107.12	---	98.68	106.15	84.66	87.13	83.36	73.73	74.78	56.67	89.05	62.68
10	108.16	---	---	79.47	86.63	70.48	70.89	81.08	64.55	58.08	59.63	64.66
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 3300 MHz; 10 dBm.
LO IN: 3600 MHz; +23.00 dBm
IF OUT: 300 MHz; 2.77 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.