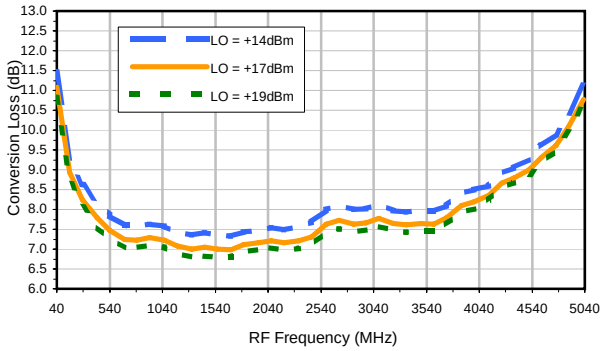
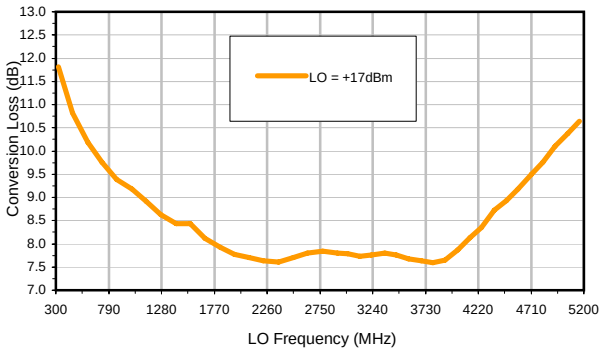
Typical Performance Curves

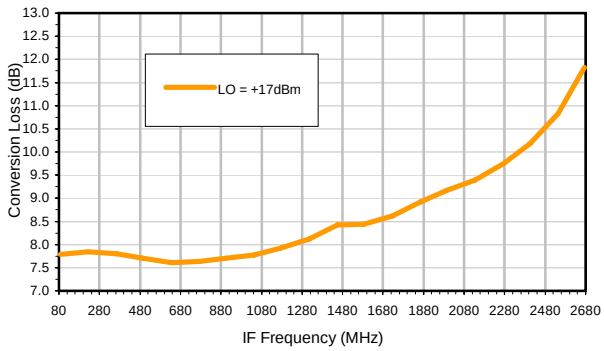
Conversion Loss @IF=190 MHz



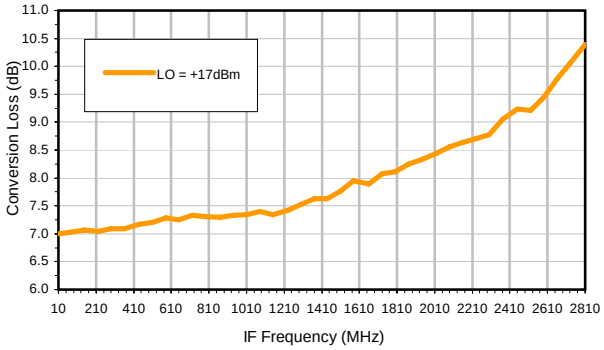
Conversion Loss vs. LO @ RF=3000 MHz



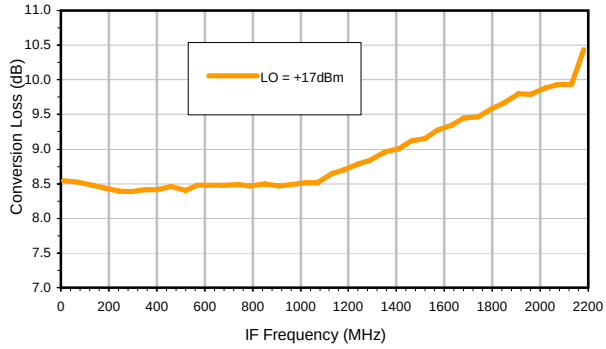
Conversion Loss vs. IF @ RF=3000 MHz



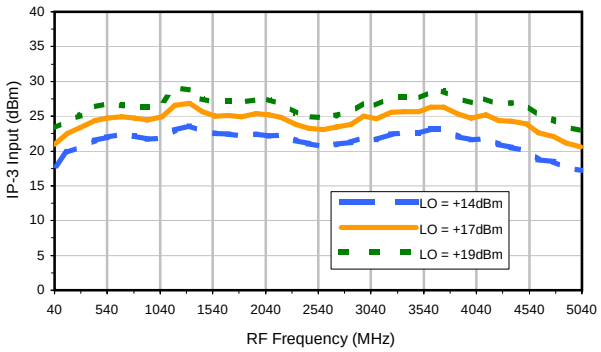
Conversion Loss vs. IF @ RF=1690.1 MHz



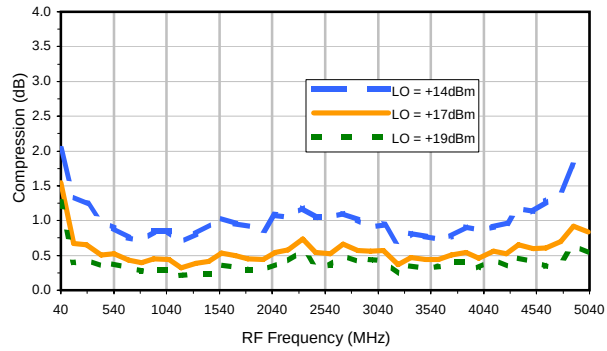
Conversion Loss vs. IF @ RF=4310.1 MHz



IP-3 Input

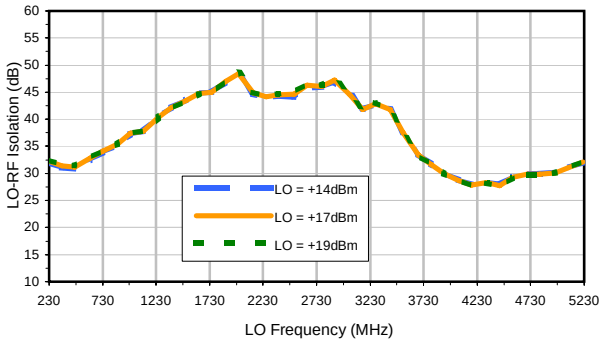


Compression @RF IN=+14 dBm

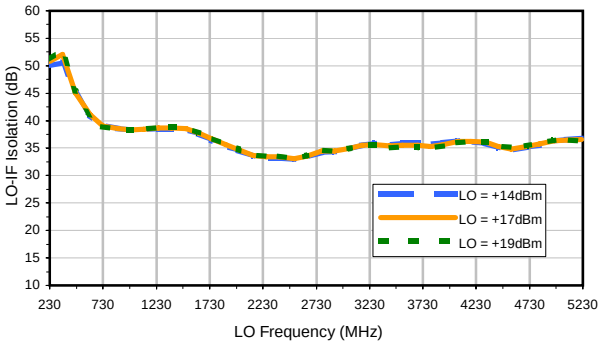


Typical Performance Curves

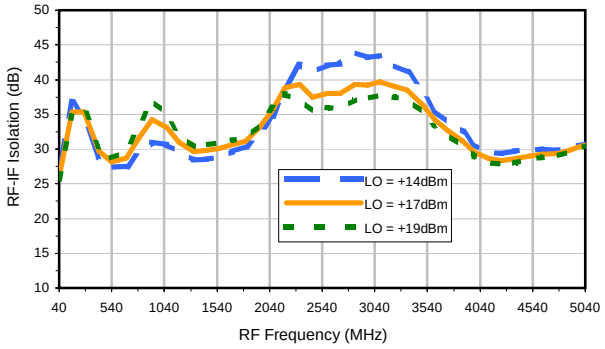
LO-RF Isolation



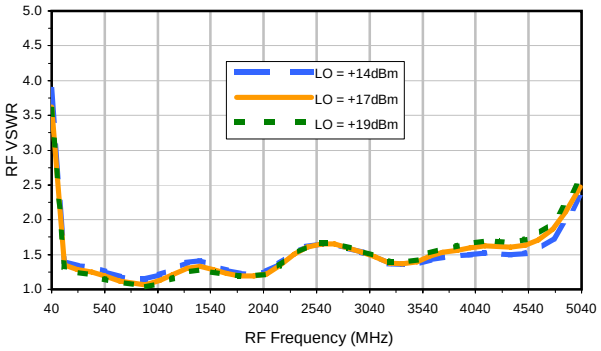
LO-IF Isolation



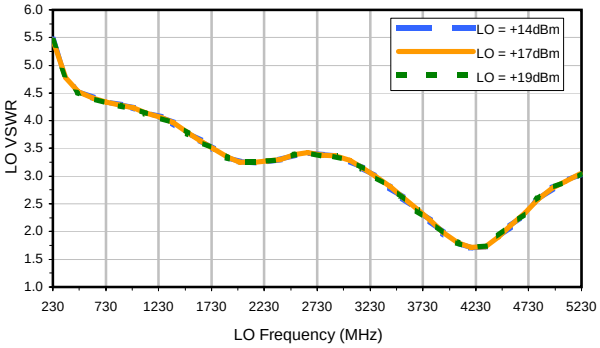
RF-IF Isolation



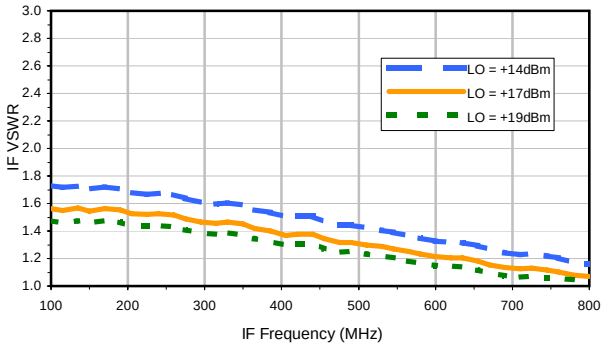
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	-4.16	1.78	23.42	18.35	15.65	53.13	44.89	56.18	----	----
1	----	31.89	----	34.97	25.47	45.61	42.02	58.19	68.71	86.78	75.44	----
2	128.82	63.28	71.73	74.31	86.04	77.28	82.01	90.04	85.21	92.62	93.76	89.12
3	128.18	100.13	97.14	97.13	88.69	96.31	98.52	99.36	99.65	96.97	94.13	93.99
4	130.78	99.98	100.01	99.58	99.56	102.90	100.34	100.69	99.91	97.95	96.53	94.35
5	126.75	96.75	97.88	98.64	98.20	99.36	100.74	100.69	99.97	97.78	97.89	95.35
6	125.84	96.25	97.29	98.33	100.24	99.33	101.00	101.77	100.05	101.49	99.97	97.29
7	123.52	93.73	92.84	96.23	97.75	100.48	100.41	100.96	99.37	100.99	101.05	100.14
8	117.62	85.49	92.17	95.55	95.47	99.51	100.50	100.27	102.54	100.64	100.43	100.35
9	119.64	----	91.22	92.48	94.97	97.02	100.04	99.93	100.10	102.39	98.93	99.40
10	120.16	----	----	90.66	94.19	94.49	95.46	95.88	100.61	97.87	99.98	100.24
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3000 MHz; -15 dBm.
LO IN: 3190 MHz; +17.00 dBm
IF OUT: 190 MHz; -22.55 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	----	----	6.03	12.00	34.25	27.51	24.80	63.62	54.81	67.04	----	----
1	----	31.39	----	34.79	25.54	44.67	42.99	53.43	68.79	83.85	75.73	----
2	117.82	53.03	61.55	64.10	75.23	67.07	72.30	77.66	74.50	104.21	97.76	94.72
3	118.36	96.06	79.09	78.56	68.35	78.81	82.29	90.29	107.01	87.87	105.75	103.59
4	119.05	109.72	110.79	101.73	101.06	98.32	104.24	110.60	109.16	110.11	105.43	105.43
5	116.92	108.08	108.77	111.14	109.52	111.76	108.80	110.41	110.81	109.49	104.56	106.36
6	114.18	105.12	105.59	110.50	109.18	110.14	112.44	112.84	111.50	109.63	110.12	106.15
7	113.02	102.98	104.34	106.85	110.65	110.23	111.30	112.03	112.71	111.58	111.97	108.30
8	104.75	96.06	102.82	104.63	107.44	111.38	111.79	109.36	110.82	112.29	109.60	109.04
9	110.06	----	102.52	103.87	105.25	106.19	108.88	110.09	110.65	111.05	112.92	109.50
10	110.30	----	----	100.61	104.75	105.21	107.32	107.62	110.87	111.39	111.69	111.25
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3000 MHz; -5 dBm.
LO IN: 3190 MHz; +17.00 dBm
IF OUT: 190 MHz; -12.53 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.