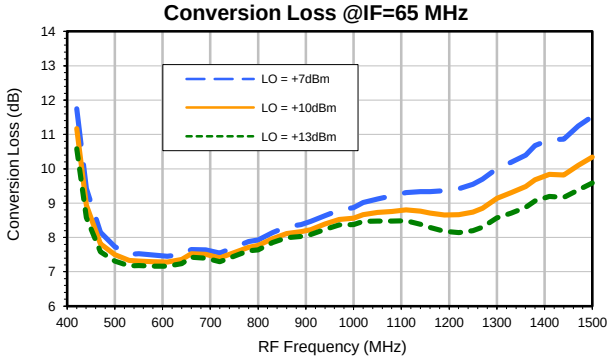
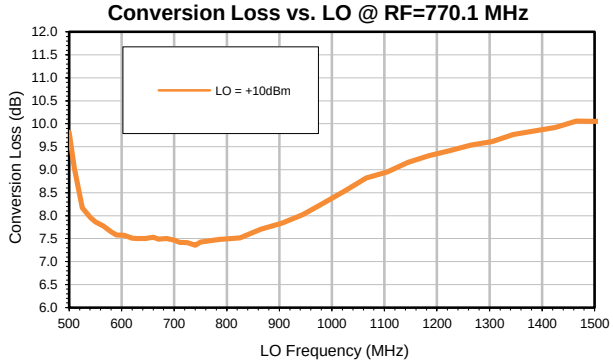
Typical Performance Curves

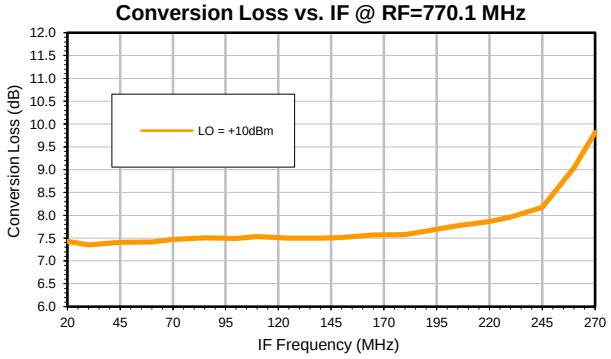
Conversion Loss @IF=65 MHz



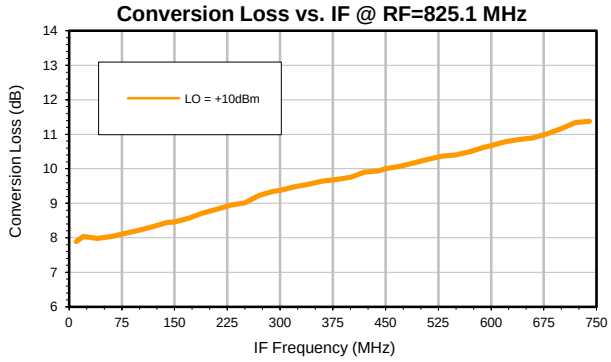
Conversion Loss vs. LO @ RF=770.1 MHz



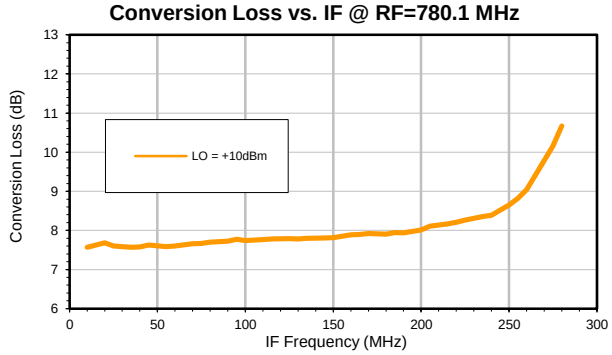
Conversion Loss vs. IF @ RF=770.1 MHz



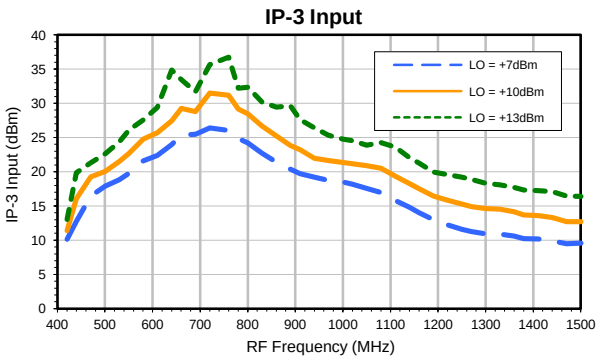
Conversion Loss vs. IF @ RF=825.1 MHz



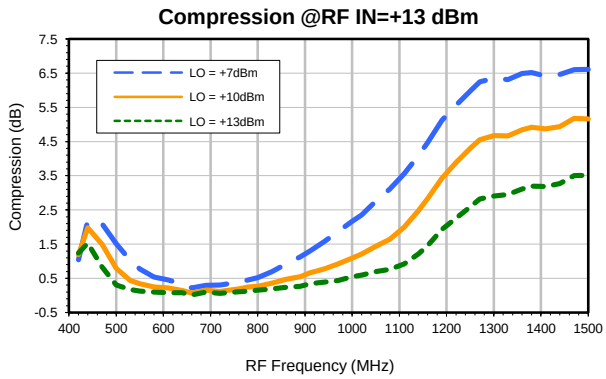
Conversion Loss vs. IF @ RF=780.1 MHz



IP-3 Input

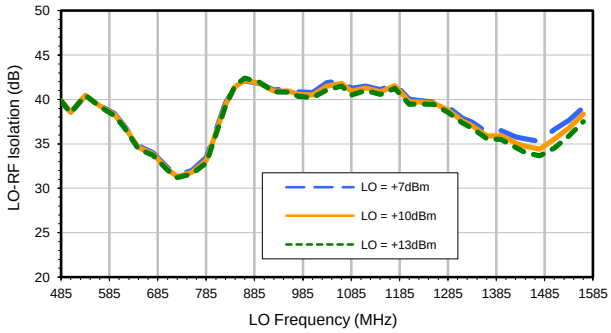


Compression @RF IN=+13 dBm

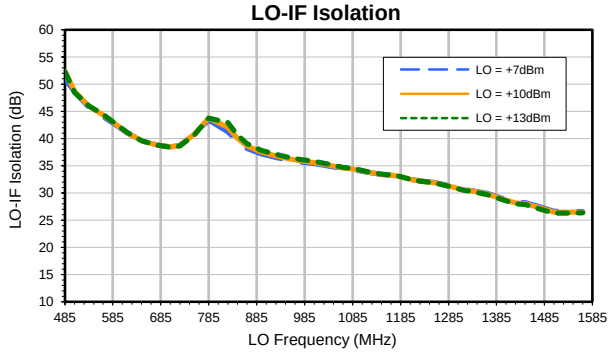


Typical Performance Curves

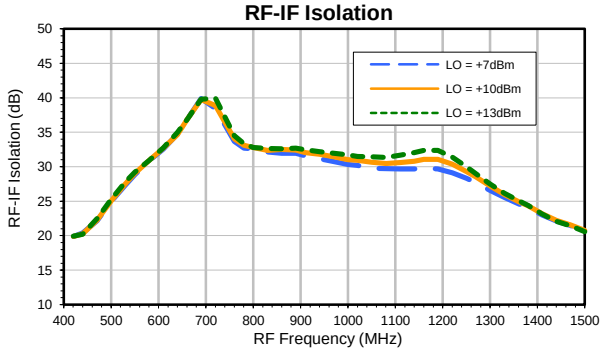
LO-RF Isolation



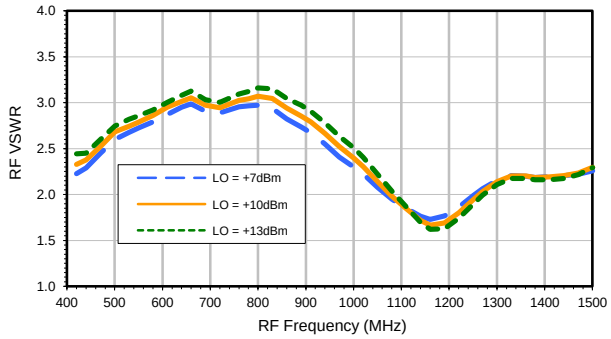
LO-IF Isolation



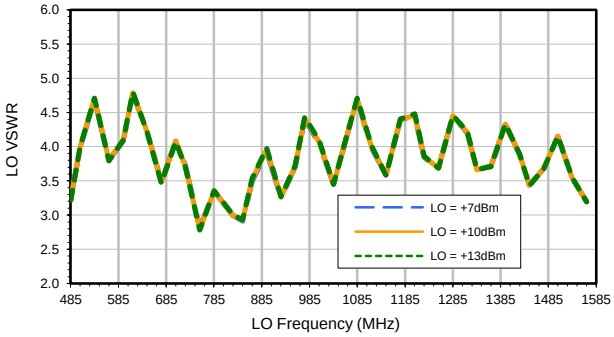
RF-IF Isolation



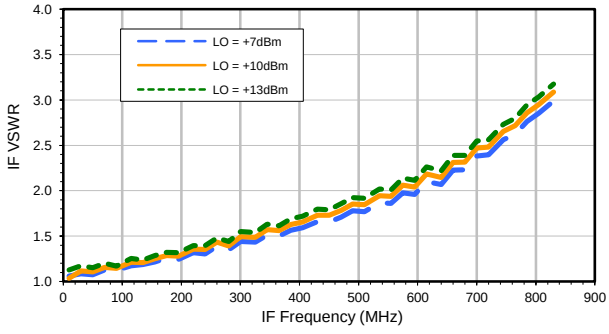
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	---	---	11.4	1.9	20.7	29.2	38.3	33.0	28.3	43.8	30.8	37.9
1	---	25.2	---	39.8	24.2	46.6	39.3	60.0	40.5	47.6	49.5	47.6
2	104.4	58.4	65.2	64.6	71.2	85.2	78.2	95.7	82.1	78.5	77.6	75.0
3	126.5	104.9	88.1	102.0	83.5	100.0	91.7	104.5	98.3	105.4	97.8	105.0
4	124.4	106.5	105.8	106.7	103.7	96.4	105.0	108.3	103.7	104.1	104.6	105.1
5	125.6	105.3	106.8	106.0	104.5	101.9	99.6	104.1	106.5	106.2	106.5	105.1
6	126.3	106.1	104.5	104.7	104.7	105.6	102.5	103.6	105.2	106.1	106.3	106.2
7	125.1	104.0	105.5	103.6	106.8	106.5	105.1	101.8	102.7	104.0	104.5	105.1
8	125.0	104.1	105.2	106.6	105.4	106.0	107.8	105.2	104.3	101.3	104.8	106.7
9	125.3	104.1	106.0	106.3	105.7	104.9	105.8	106.1	104.7	83.2	104.5	106.6
10	124.2	105.5	104.8	105.5	104.0	106.3	106.4	102.9	105.9	106.3	98.3	102.2
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 770 MHz; -10 dBm.**
LO IN: 835 MHz; +10 dBm
IF OUT: 65 MHz; -17.37 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	---	---	21.4	11.8	30.8	39.1	47.4	43.7	38.5	51.3	41.4	47.8
1	---	25.0	---	39.4	24.3	47.5	39.5	58.9	41.0	47.7	50.1	48.1
2	90.8	48.4	55.2	55.9	61.2	72.9	68.3	83.6	72.8	72.1	69.5	67.6
3	114.4	84.8	65.5	77.8	60.1	77.3	69.0	84.6	75.7	93.0	74.5	88.6
4	119.6	99.4	98.5	91.1	93.6	86.2	89.9	95.2	103.0	111.4	100.7	92.5
5	117.7	112.5	98.5	105.9	86.0	103.5	85.8	103.0	97.6	109.9	100.7	110.3
6	119.4	109.6	117.0	114.5	115.9	102.8	112.1	104.1	114.3	115.9	115.5	111.7
7	119.1	112.3	109.0	116.1	106.9	112.1	96.9	107.3	98.8	107.5	107.5	115.2
8	119.0	115.8	115.5	116.8	114.9	114.2	117.1	114.5	102.2	113.0	114.6	116.5
9	120.8	117.5	116.6	114.6	115.8	117.4	114.0	115.2	115.1	93.0	102.1	114.7
10	118.5	115.0	115.3	114.6	116.0	116.3	116.6	116.2	117.3	114.0	101.1	113.8
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 770 MHz; 0 dBm.**
LO IN: 835 MHz; +10 dBm
IF OUT: 65 MHz; -7.45 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