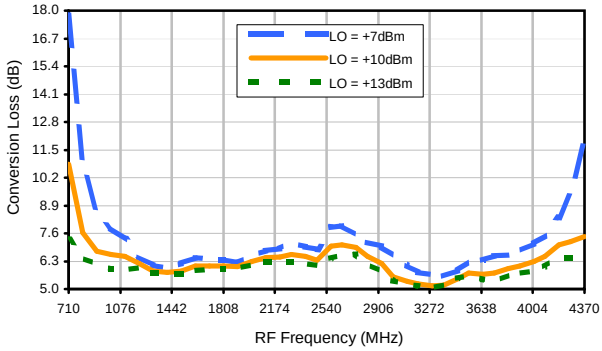
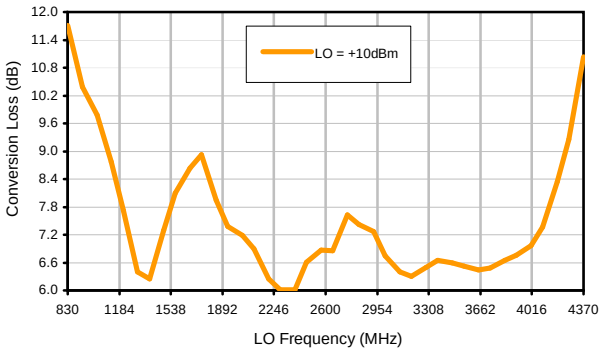
Typical Performance Curves

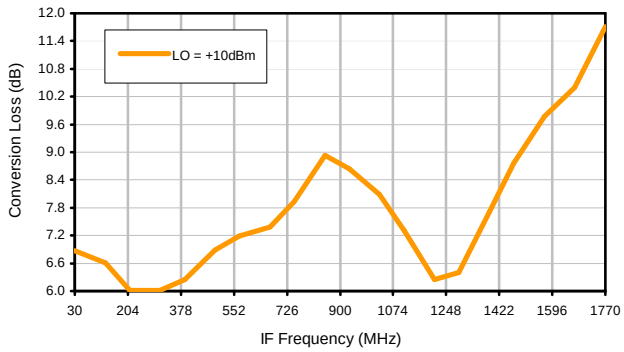
Conversion Loss @ IF=30MHz



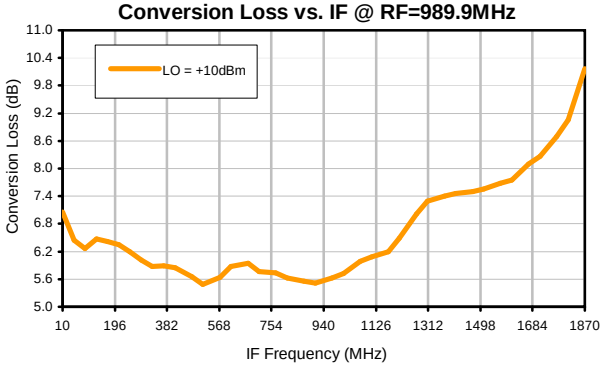
Conversion Loss vs. LO @ RF=2600MHz



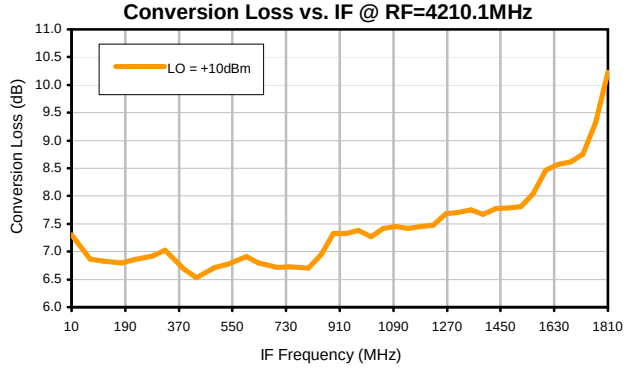
Conversion Loss vs. IF @ RF=2600MHz



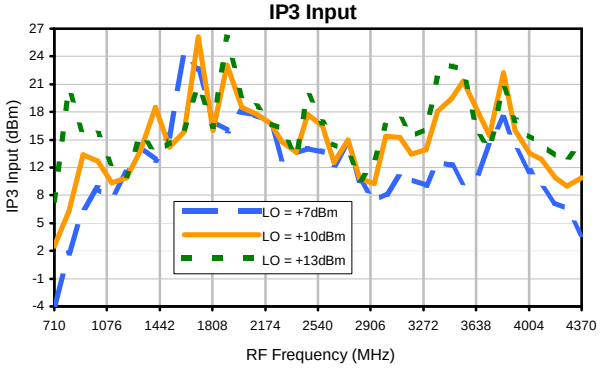
Conversion Loss vs. IF @ RF=989.9MHz



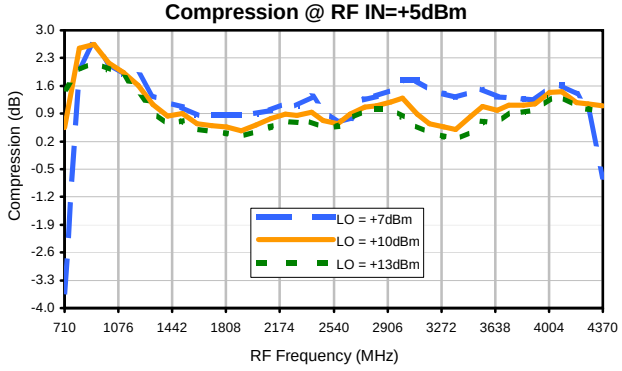
Conversion Loss vs. IF @ RF=4210.1MHz



IP3 Input

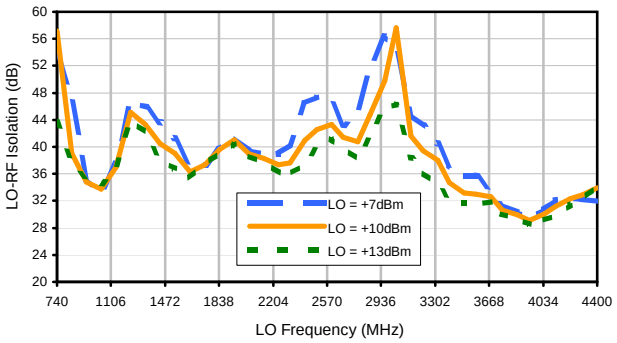


Compression @ RF IN=+5dBm

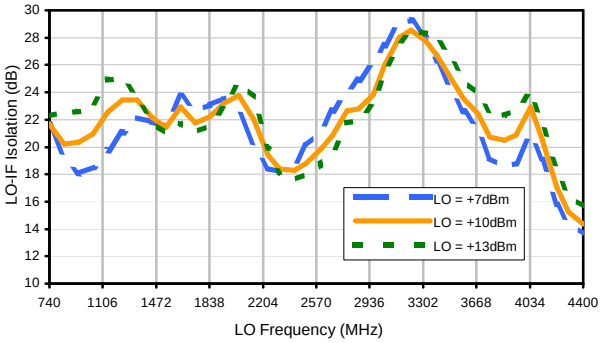


Typical Performance Curves

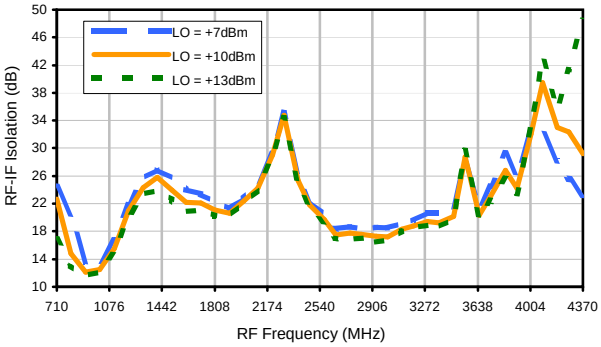
LO-RF Isolation



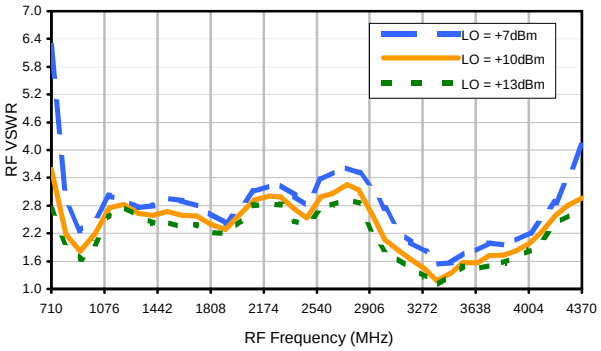
LO-IF Isolation



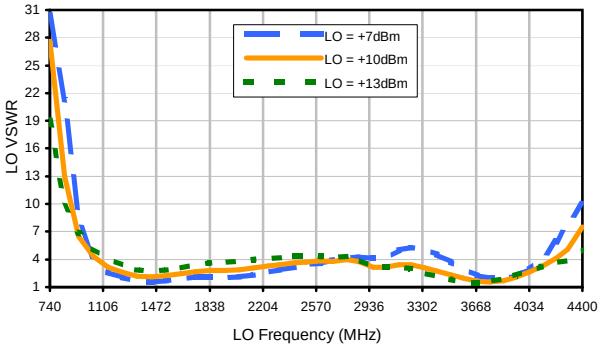
RF-IF Isolation



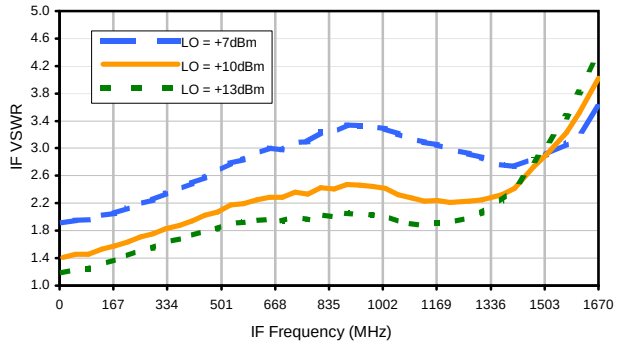
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+6	18	1	24	19	35	36	53	62	---
1	-	12	+0	21	19	34	35	47	40	57	52	68
2	82	40	48	41	61	46	44	61	54	54	62	70
3	>90	71	57	69	54	61	58	61	67	>73	65	>73
4	>90	>73	>73	>73	>73	71	>73	72	>73	>73	>73	>73
5	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
6	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
7	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
8	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
9	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
10	---	---	>73	>73	72	>73	>73	>73	>73	>73	>73	>73
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: **RF IN: 2600 MHz; -10.00 dBm.**
LO IN: 2630 MHz; +10.00 dBm
IF OUT: 30 MHz; -17.01 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	3	32	12	37	35	44	50	63	68	---
1	-	11	+0	23	20	41	40	56	49	61	69	>83
2	62	32	37	38	42	45	39	55	49	60	60	71
3	>90	51	35	48	37	39	44	47	50	70	61	67
4	>90	73	54	51	69	47	52	54	53	69	63	63
5	>90	63	75	67	51	75	49	61	55	62	67	73
6	>90	80	72	81	71	66	69	59	59	64	63	70
7	>90	>83	>83	>83	>83	79	73	>83	66	67	70	71
8	>90	>83	>83	>83	>83	>83	>83	69	>83	63	73	73
9	>90	>83	>83	>83	>83	>83	>83	>83	76	>83	71	81
10	---	---	>83	>83	>83	>83	>83	>83	>83	82	>83	76
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 2600 MHz; 0.00 dBm.**
LO IN: 2630 MHz; +10.00 dBm
IF OUT: 30 MHz; -6.95 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.