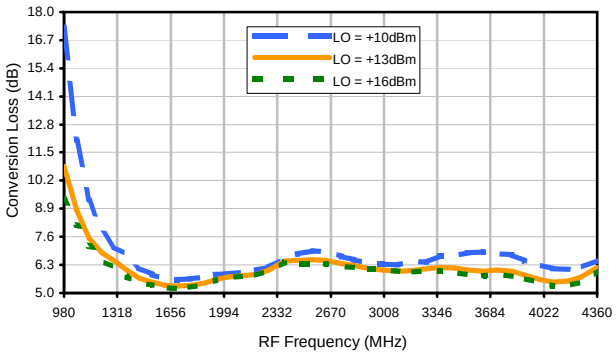
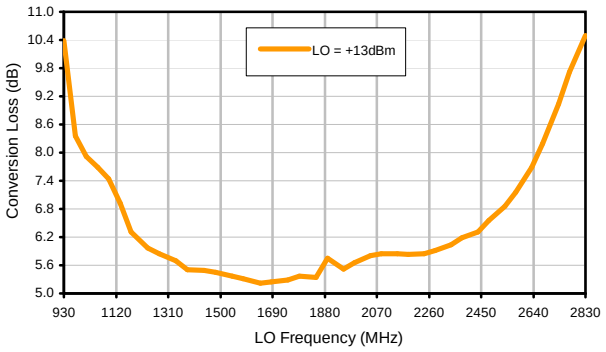
Typical Performance Curves

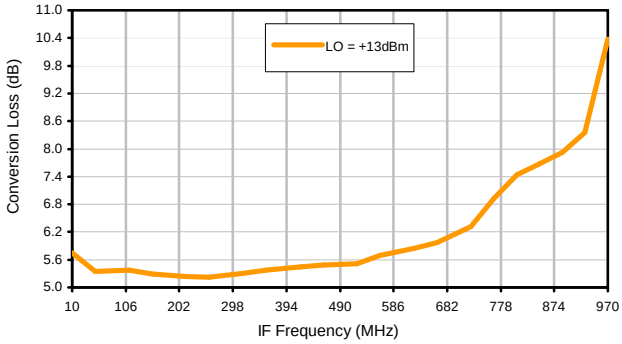
Conversion Loss @ IF=30MHz



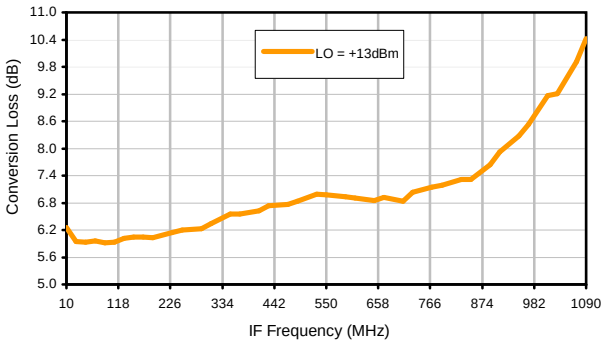
Conversion Loss vs. LO @ RF=1900MHz



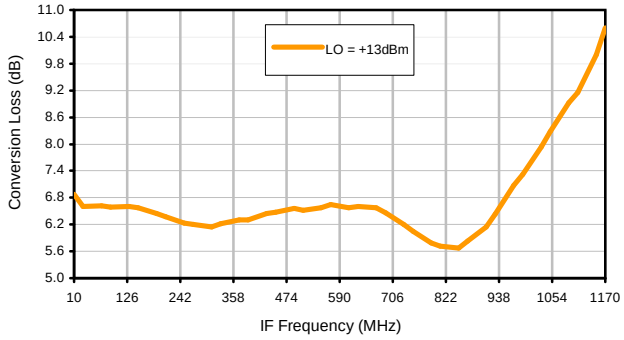
Conversion Loss vs. IF @ RF=1900MHz



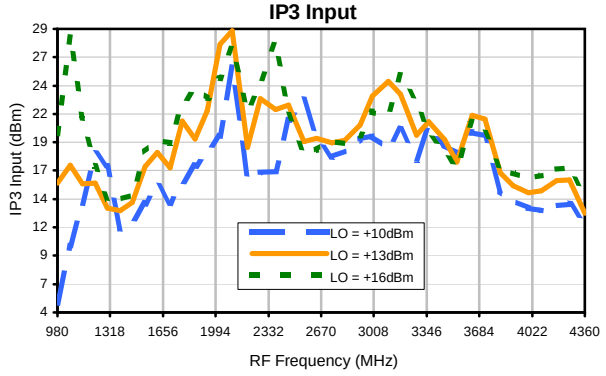
Conversion Loss vs. IF @ RF=1389.9MHz



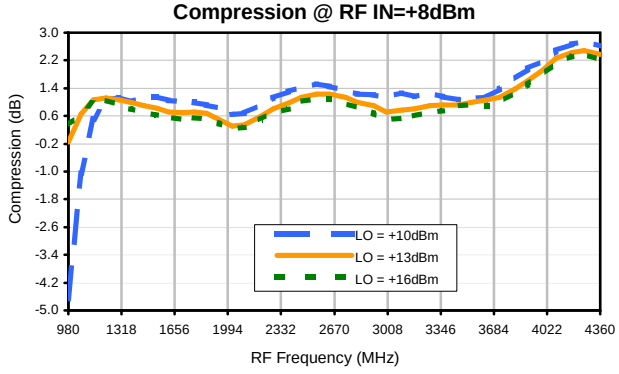
Conversion Loss vs. IF @ RF=2410.1MHz



IP3 Input

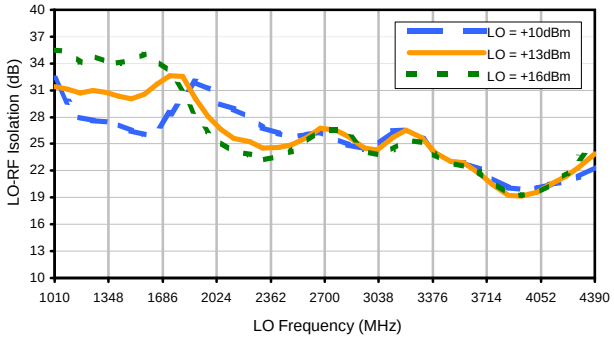


Compression @ RF IN=+8dBm

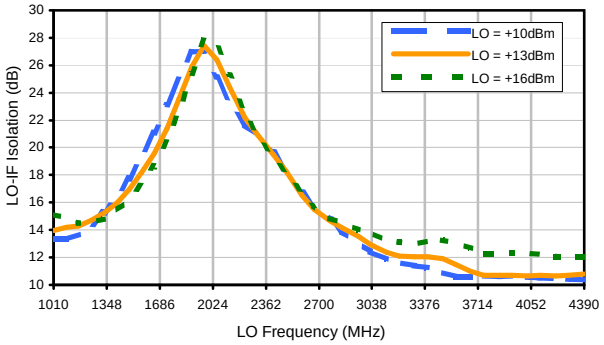


Typical Performance Curves

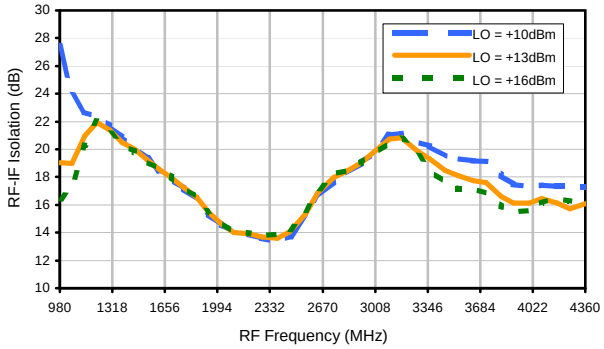
LO-RF Isolation



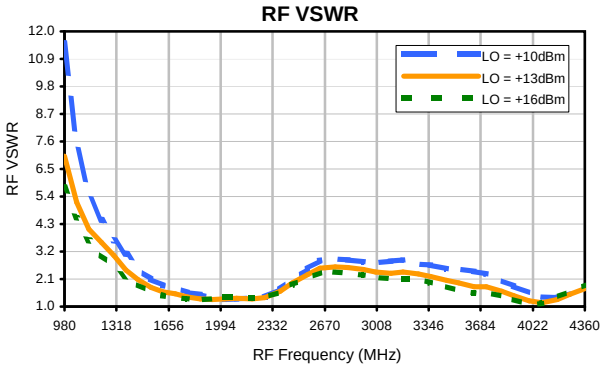
LO-IF Isolation



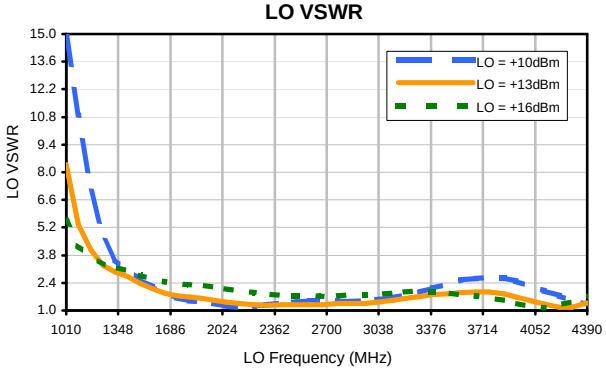
RF-IF Isolation



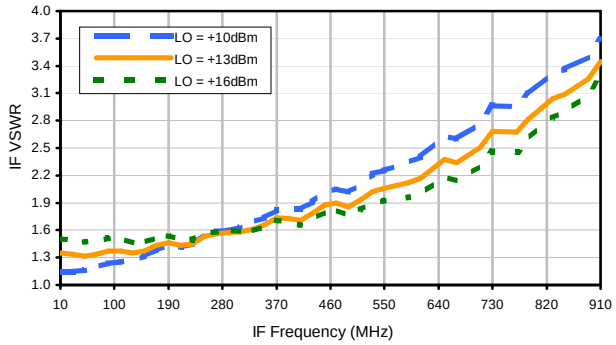
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	2	9	1	24	11	46	25	39	45	40
1	-	11	+0	23	15	22	25	34	52	44	47	52
2	73	53	52	45	48	54	42	56	42	61	54	58
3	>90	56	58	63	62	59	55	54	63	68	63	74
4	>90	>77	75	>77	>77	66	74	74	74	>77	71	>77
5	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
6	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
7	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
8	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
9	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
10	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1900 MHz; -7.00 dBm.
LO IN: 1930 MHz; +13.00 dBm
IF OUT: 30 MHz; -12.6 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	11	20	12	38	25	46	39	49	55	67
1	-	11	+0	24	16	26	27	38	44	51	61	58
2	53	40	50	43	47	40	36	51	39	74	55	72
3	89	39	37	47	38	40	36	39	45	49	61	63
4	>90	62	54	53	59	48	55	55	57	64	49	73
5	>90	62	74	61	72	63	56	56	50	51	61	58
6	>90	78	68	71	63	67	68	57	65	61	69	72
7	>90	85	79	81	>87	74	78	84	64	74	62	63
8	>90	83	>87	85	84	78	77	87	82	69	79	71
9	>90	>87	>87	>87	>87	>87	>87	85	>87	>87	79	81
10	>90	>87	>87	>87	>87	>87	>87	84	>87	>87	>87	>87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1900 MHz; 3.00 dBm.
LO IN: 1930 MHz; +13.00 dBm
IF OUT: 30 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.