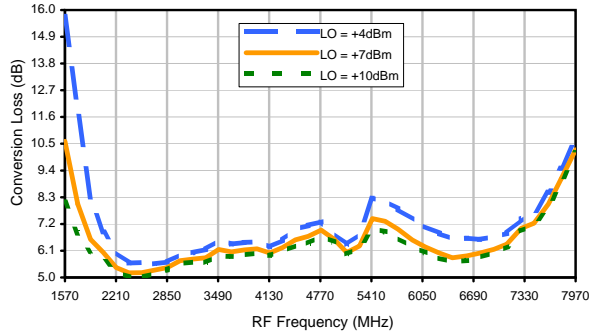
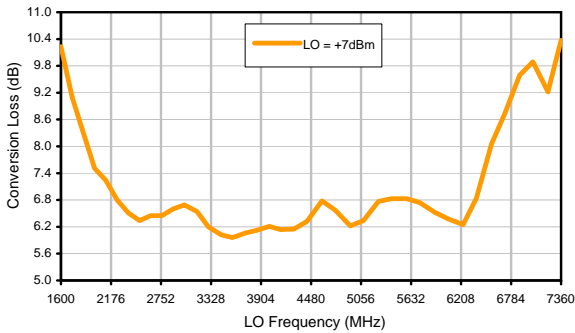


Typical Performance Curves

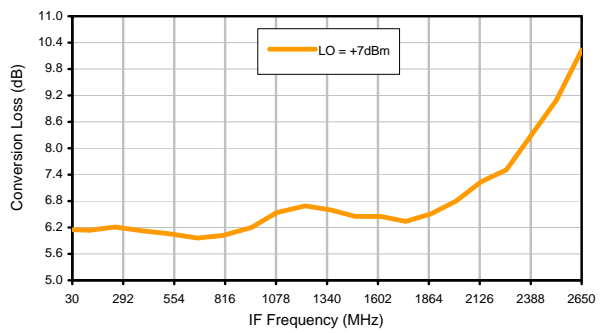
Conversion Loss @ IF=30MHz



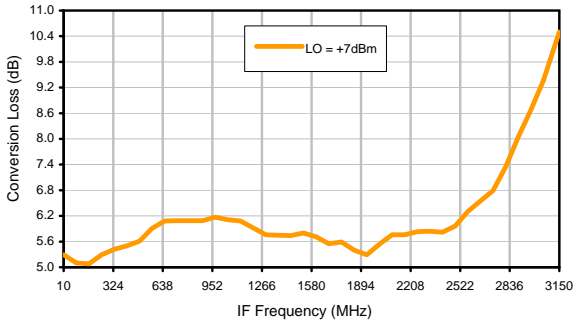
Conversion Loss vs. LO @ RF=4250MHz



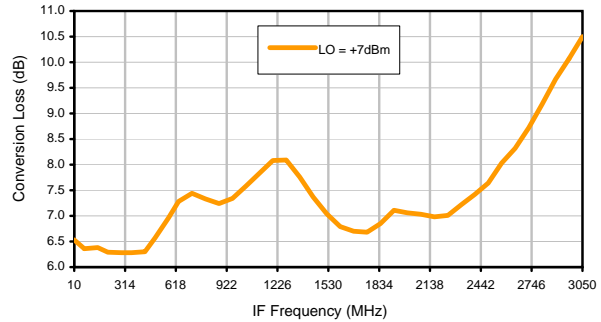
Conversion Loss vs. IF @ RF=4250MHz



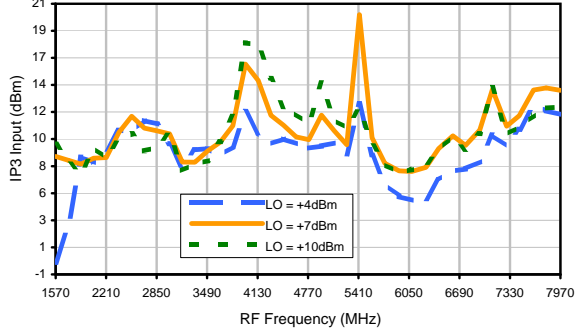
Conversion Loss vs. IF @ RF=2489.89MHz



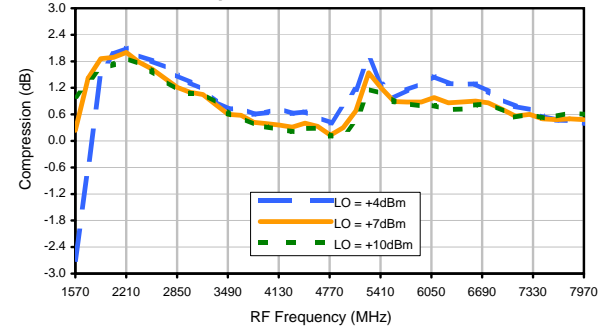
Conversion Loss vs. IF @ RF=6010.1MHz



IP3 Input



Compression @ RF IN=+1dBm

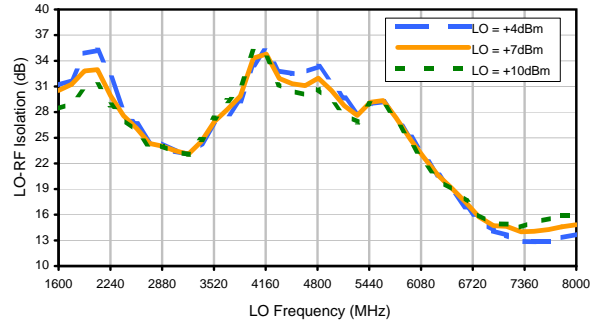


Frequency Mixer

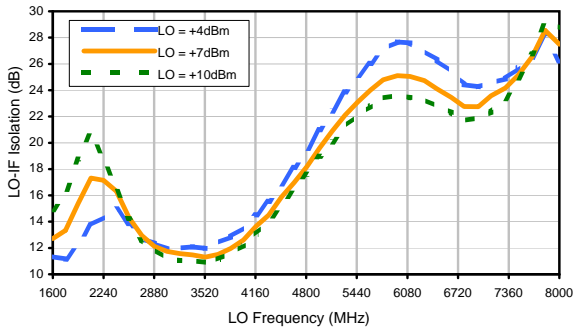
SKY-60+

Typical Performance Curves

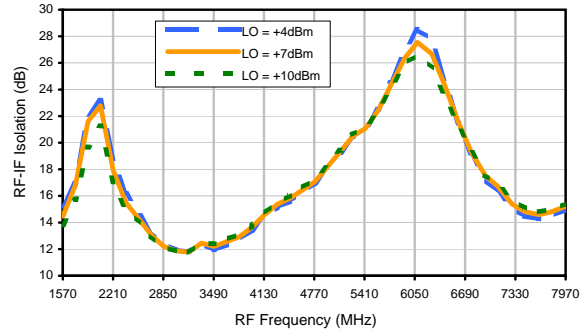
LO-RF Isolation



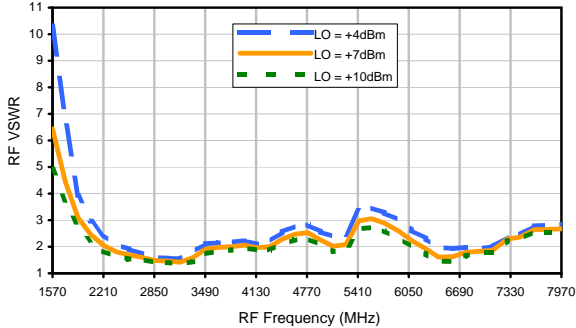
LO-IF Isolation



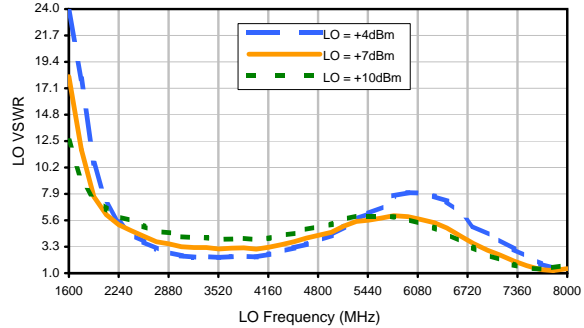
RF-IF Isolation



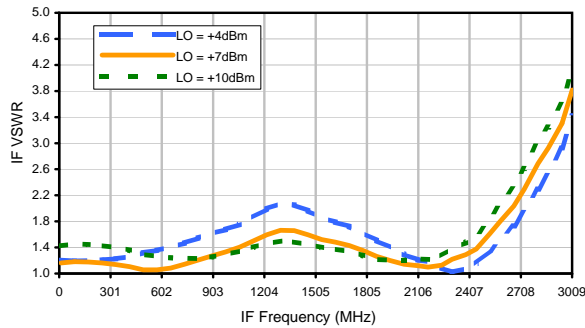
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

Harmonics Tables

SKY-60+

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+13	20	18	35	23	---	---	---	---	---
1	-	9	+0	36	29	31	38	54	---	---	---	---
2	>90	53	58	50	62	58	62	47	58	---	---	---
3	>90	>70	>70	>70	>70	>70	>70	>70	67	>70	---	---
4	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	---
5	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
6	---	---	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
7	---	---	---	>70	>70	>70	>70	>70	>70	>70	>70	>70
8	---	---	---	---	>70	>70	>70	>70	>70	>70	>70	>70
9	---	---	---	---	---	>70	>70	>70	>70	>70	>70	>70
10	---	---	---	---	---	---	>70	>70	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 4250 MHz; -14.00 dBm.
 LO IN: 4280 MHz; +7.00 dBm
 IF OUT: 30 MHz; -20.38 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+3	29	30	59	39	---	---	---	---	---
1	-	9	+0	37	30	34	40	54	---	---	---	---
2	75	43	48	40	55	51	58	43	52	---	---	---
3	>90	57	58	57	52	56	58	53	53	>80	---	---
4	>90	57	71	70	75	>80	66	69	75	56	>80	---
5	>90	>80	74	77	>80	75	62	76	72	78	69	77
6	---	---	>80	77	>80	>80	>80	79	78	>80	>80	76
7	---	---	---	>80	>80	>80	>80	>80	79	>80	>80	>80
8	---	---	---	---	>80	>80	>80	>80	>80	>80	>80	>80
9	---	---	---	---	---	>80	>80	>80	>80	>80	>80	>80
10	---	---	---	---	---	---	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 4250 MHz; -4.00 dBm.
 LO IN: 4280 MHz; +7.00 dBm
 IF OUT: 30 MHz; -10.48 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.