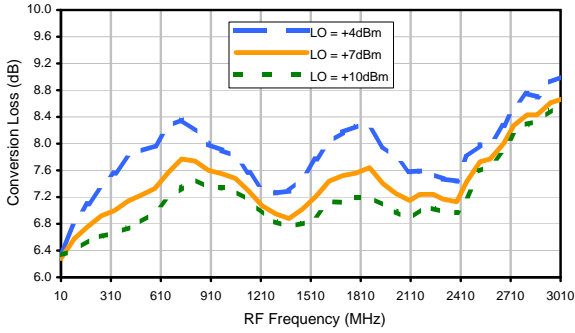
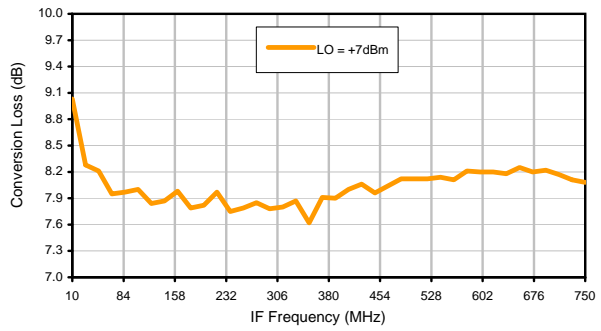


## Typical Performance Curves

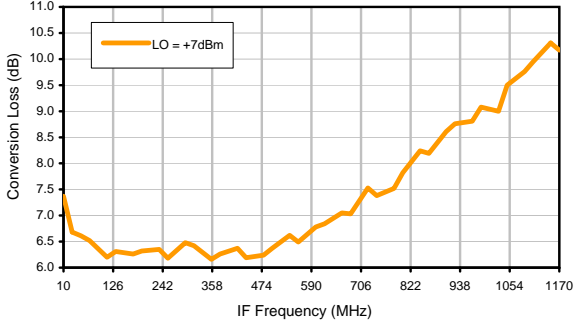
Conversion Loss @ IF=30MHz



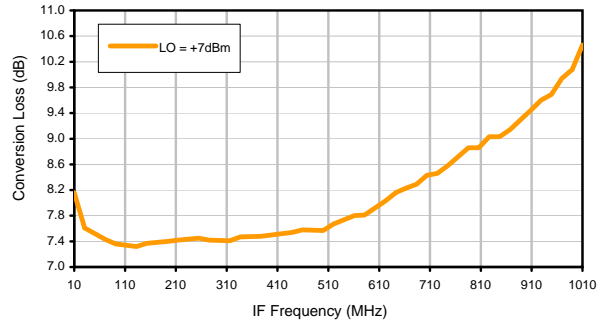
Conversion Loss vs. IF @ RF=760.1MHz



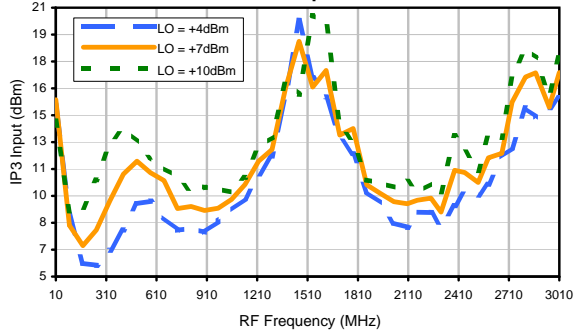
Conversion Loss vs. IF @ RF=10.1MHz



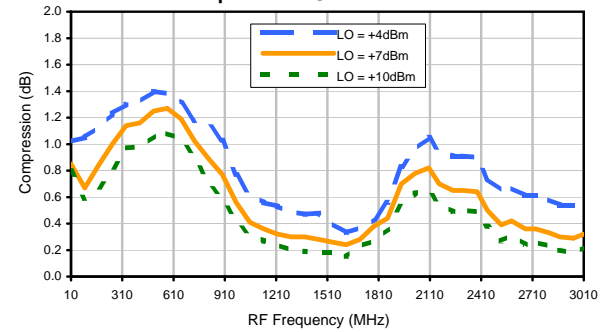
Conversion Loss vs. IF @ RF=1510.1MHz



IP3 Input

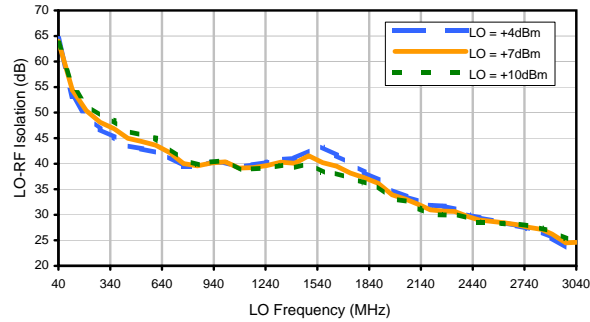


Compression @ RF IN=+1dBm

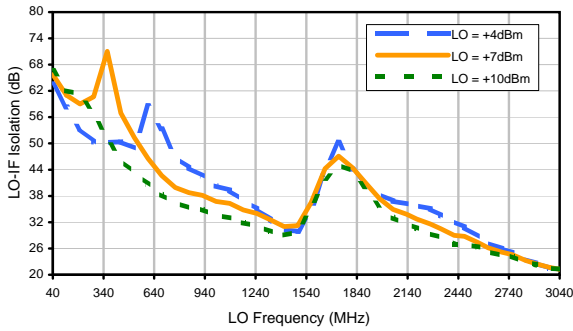


## Typical Performance Curves

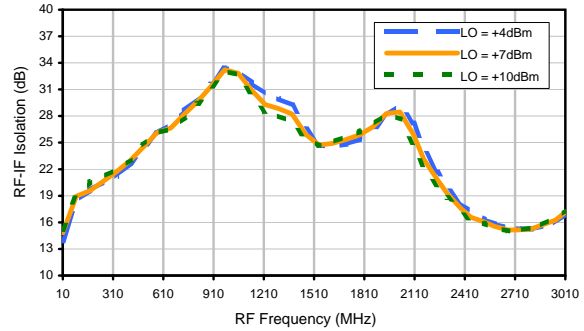
LO-RF Isolation



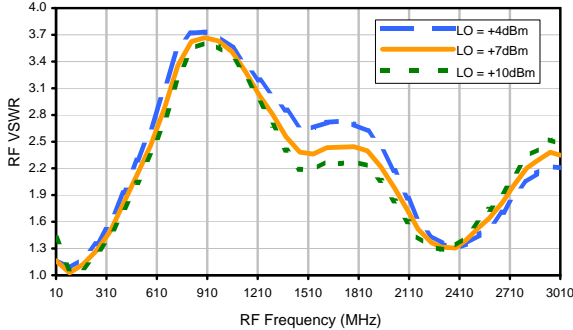
LO-IF Isolation



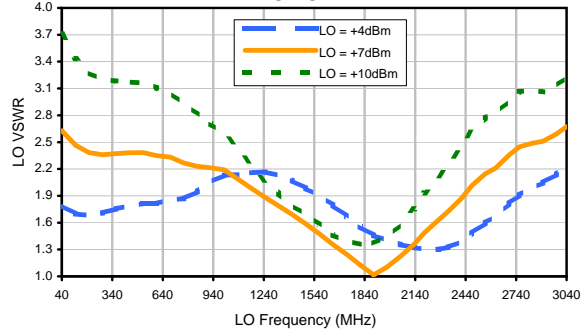
RF-IF Isolation



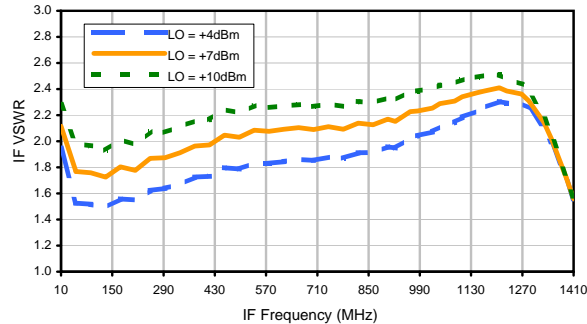
RF VSWR



LO VSWR



IF VSWR



# Frequency Mixer

## Harmonics Tables

**SRA-5+**

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	10	40	15	29	18	>68	29	50	32	59
1	-	20	+0	32	31	27	26	50	40	42	46	49
2	>90	64	60	64	65	>68	55	64	57	>68	63	>68
3	>90	67	65	>68	54	>68	>68	67	57	>68	>68	>68
4	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
5	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
6	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
7	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
8	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
9	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
10	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 752.5 MHz; -14.00 dBm.  
 LO IN: 782.5 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -22.31 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	21	51	25	39	29	67	42	63	50	72
1	-	20	+0	31	31	29	25	55	44	47	56	57
2	70	56	48	58	57	70	48	58	50	73	59	72
3	>90	51	49	52	37	50	61	49	46	65	55	62
4	>90	67	>78	76	66	69	72	>78	68	72	71	>78
5	>90	68	59	61	59	63	56	66	73	61	60	77
6	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
7	>90	>78	>78	77	71	>78	>78	>78	67	74	>78	72
8	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
9	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
10	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions: RF IN: 752.5 MHz; -4.00 dBm.  
 LO IN: 782.5 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -12.24 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.