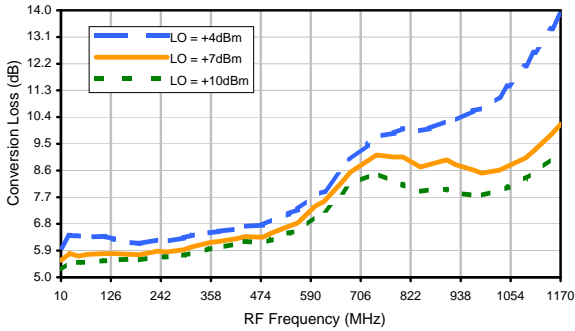
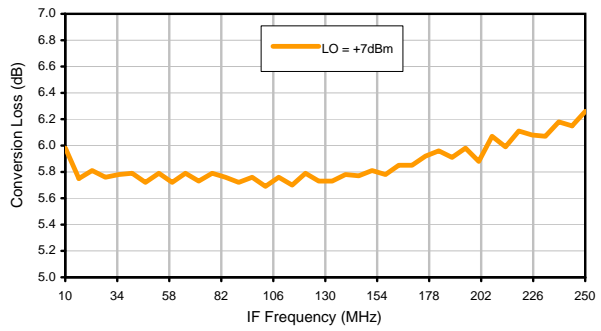


## Typical Performance Curves

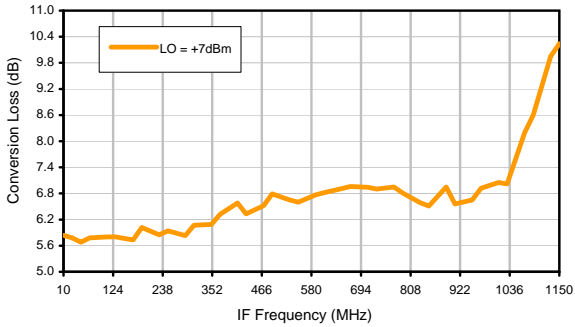
Conversion Loss @ IF=30MHz



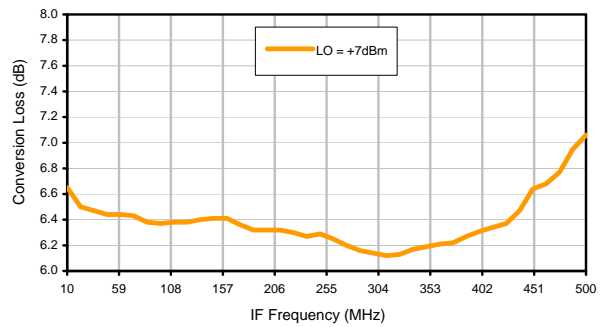
Conversion Loss vs. IF @ RF=260.1MHz



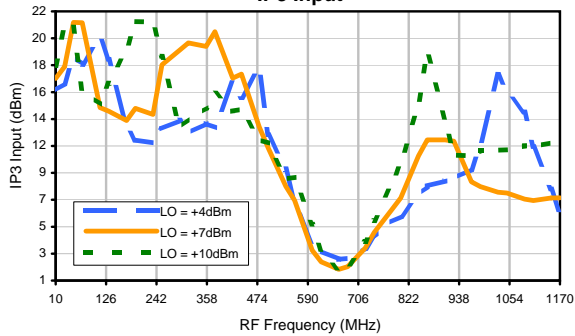
Conversion Loss vs. IF @ RF=10.1MHz



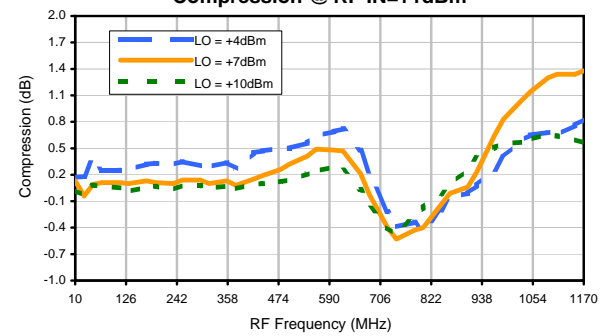
Conversion Loss vs. IF @ RF=510.1MHz



IP3 Input

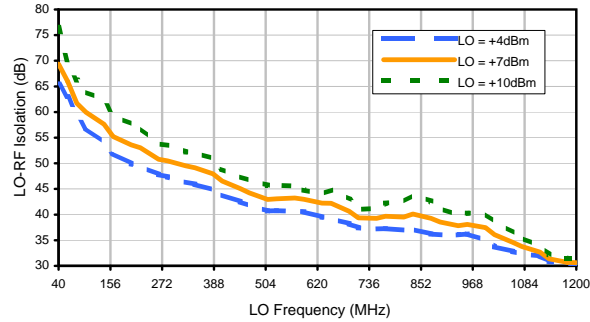


Compression @ RF IN=+1dBm

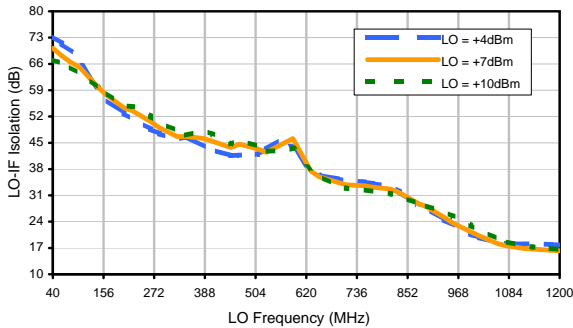


## Typical Performance Curves

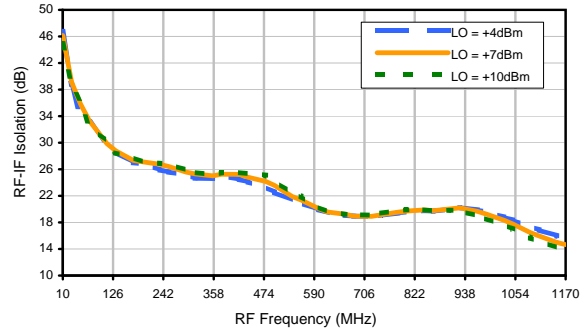
### LO-RF Isolation



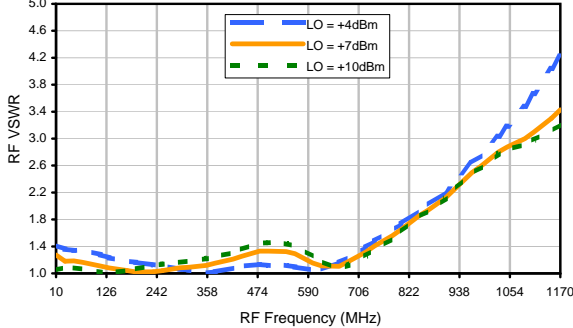
### LO-IF Isolation



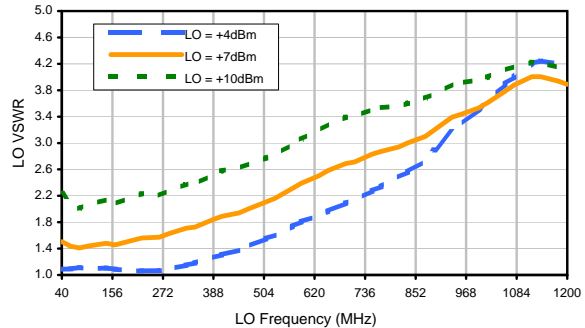
### RF-IF Isolation



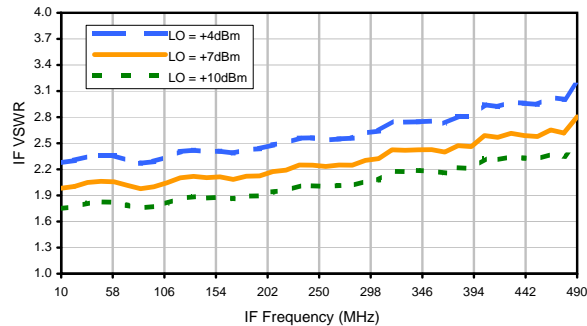
### RF VSWR



### LO VSWR



### IF VSWR



# Frequency Mixer

## Harmonics Tables

SRA-1+

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	23	36	31	29	20	36	21	45	25	46
1	-	21	+0	34	14	42	23	37	35	51	30	57
2	>90	>70	69	>70	70	68	>70	>70	56	66	53	>70
3	>90	69	57	>70	64	>70	56	>70	53	>70	58	>70
4	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
5	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
6	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
7	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
8	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
9	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
10	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 250 MHz; -14.00 dBm.  
 LO IN: 280 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -19.84 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	32	47	42	40	33	50	35	56	39	58
1	-	21	+0	33	13	47	21	37	38	53	36	62
2	72	65	58	65	61	67	66	65	49	62	48	66
3	>90	57	44	61	51	71	50	63	55	70	50	68
4	>90	>80	>80	>80	>80	>80	80	80	77	>80	66	76
5	>90	74	62	72	65	75	60	74	57	>80	55	76
6	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
7	>90	>80	76	>80	>80	>80	80	80	72	>80	69	>80
8	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
9	>90	>80	>80	>80	>80	>80	>80	>80	76	>80	72	>80
10	>90	>80	>80	>80	>80	>80	>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: 250 MHz; -4.00 dBm.  
 LO IN: 280 MHz; +7.00 dBm  
 IF OUT: 30 MHz; -9.99 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.