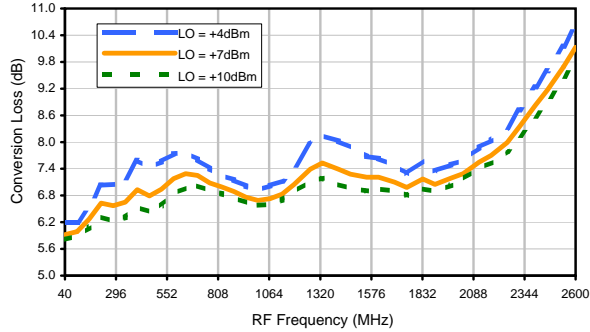


Frequency Mixer

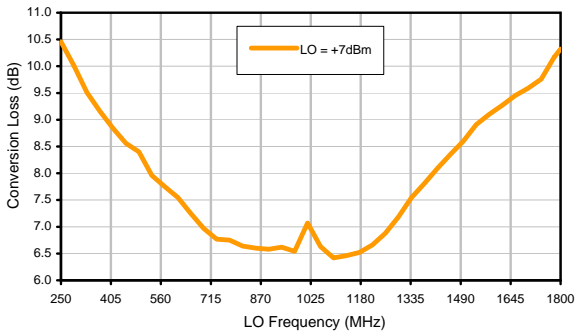
SRA-12+

Typical Performance Curves

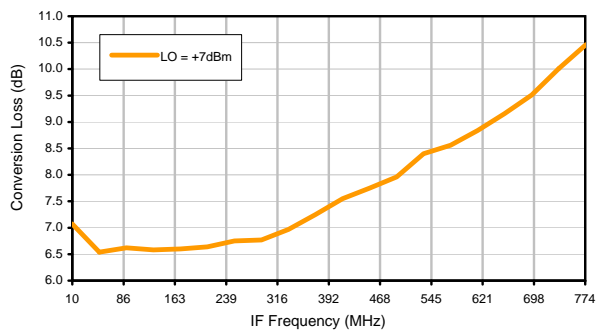
Conversion Loss @ IF=30MHz



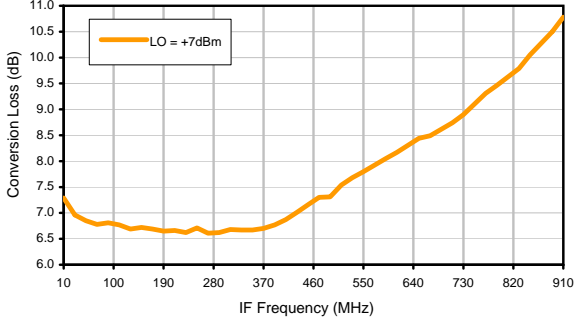
Conversion Loss vs. LO @ RF=1025MHz



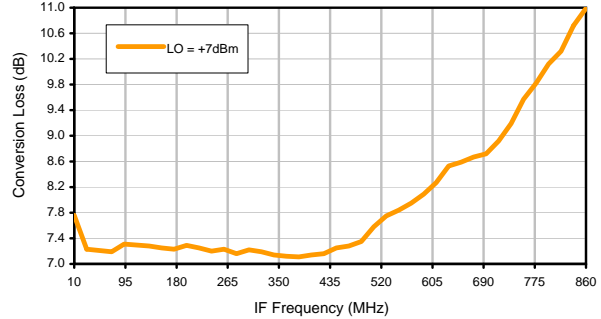
Conversion Loss vs. IF @ RF=1025MHz



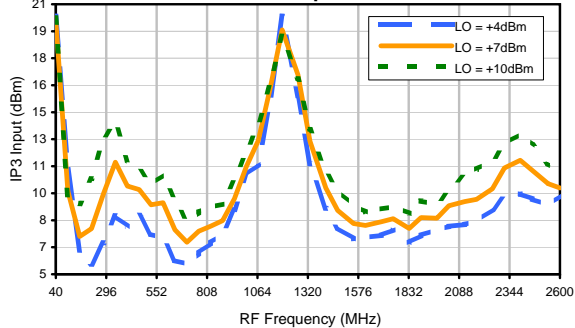
Conversion Loss vs. IF @ RF=790MHz



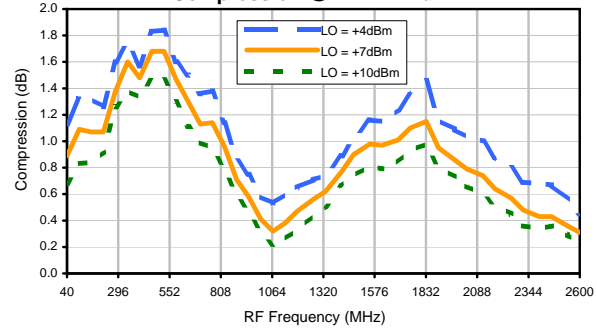
Conversion Loss vs. IF @ RF=1260.1MHz



IP3 Input



Compression @ RF IN=+1dBm

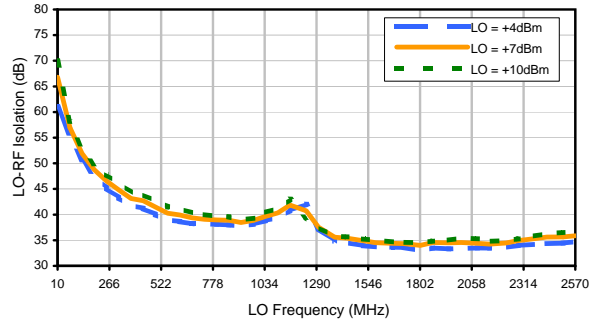


Frequency Mixer

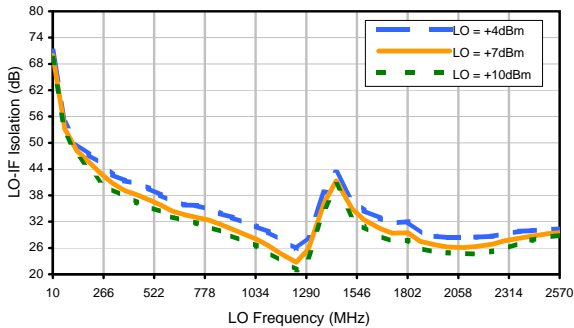
Typical Performance Curves

SRA-12+

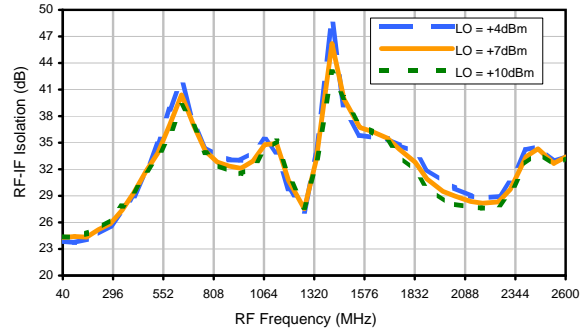
LO-RF Isolation



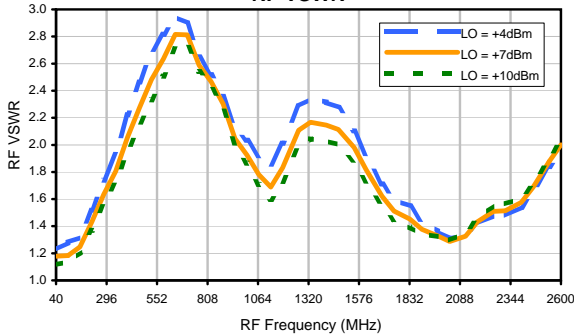
LO-IF Isolation



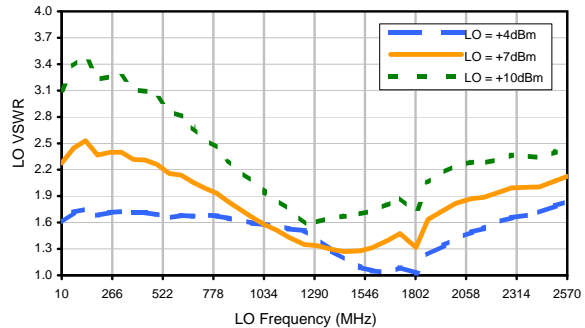
RF-IF Isolation



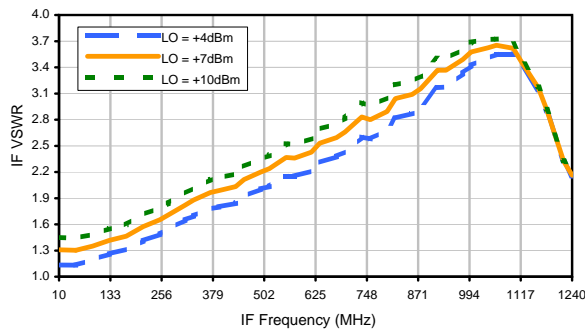
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

Harmonics Tables

SRA-12+

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+0	33	19	38	38	46	42	48	51	56
1	-	27	+0	47	14	42	35	45	46	54	55	53
2	89	61	69	59	57	64	>69	>69	>69	>69	>69	>69
3	>90	>69	64	>69	65	>69	>69	>69	>69	>69	>69	>69
4	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
5	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
6	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
7	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
8	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
9	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
10	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 1025 MHz; -14.00 dBm.
 LO IN: 1055 MHz; +7.00 dBm
 IF OUT: 30 MHz; -20.78 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	10	44	30	50	49	61	55	64	69	79
1	-	26	+0	44	14	45	35	50	48	59	60	60
2	70	58	59	54	49	62	65	63	67	71	69	71
3	>90	64	44	58	45	59	52	64	63	65	67	71
4	>90	>79	73	71	68	69	66	75	77	>79	79	>79
5	>90	>79	>79	>79	71	>79	65	>79	66	>79	>79	>79
6	>90	>79	>79	>79	>79	>79	78	>79	>79	>79	>79	>79
7	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1025 MHz; -4.00 dBm.
 LO IN: 1055 MHz; +7.00 dBm
 IF OUT: 30 MHz; -10.87 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.