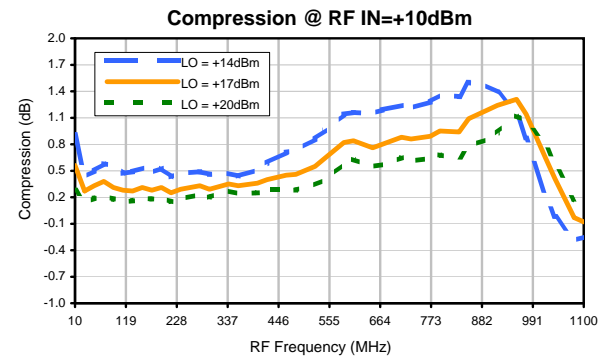
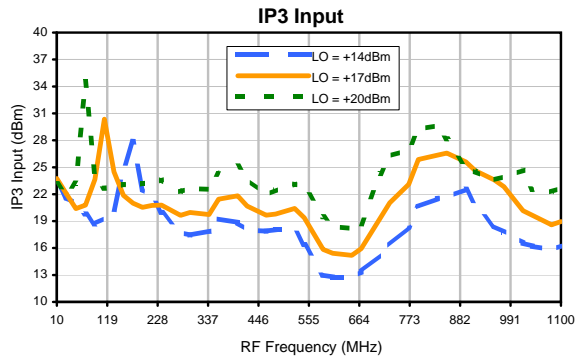
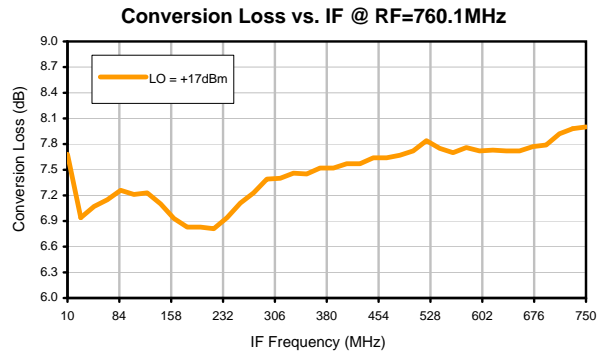
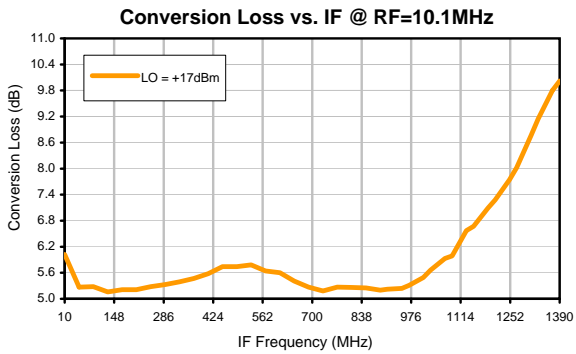
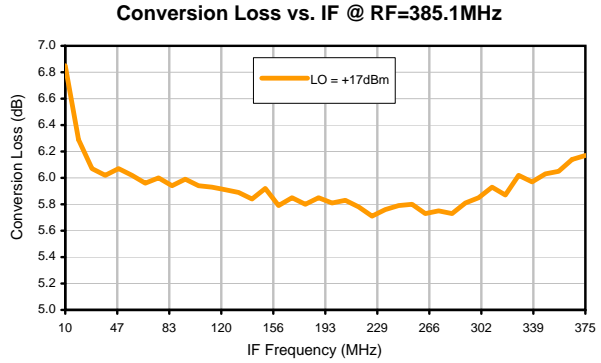
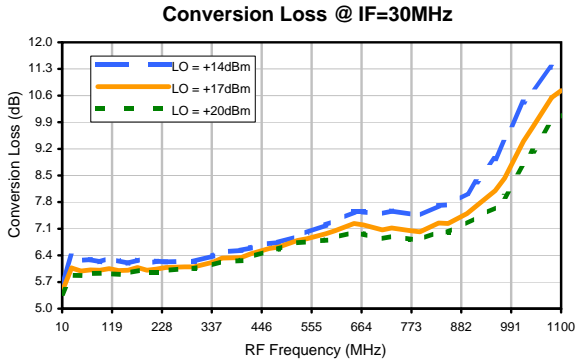


Frequency Mixer

Typical Performance Curves

SRA-1WH+

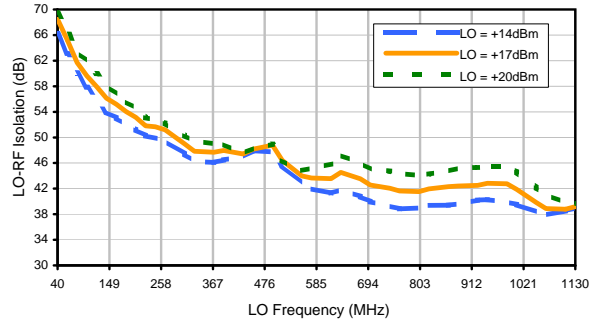


Frequency Mixer

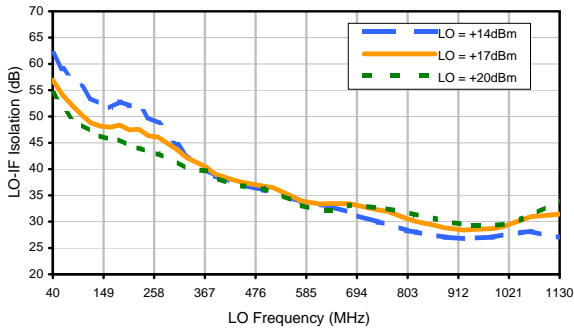
SRA-1WH+

Typical Performance Curves

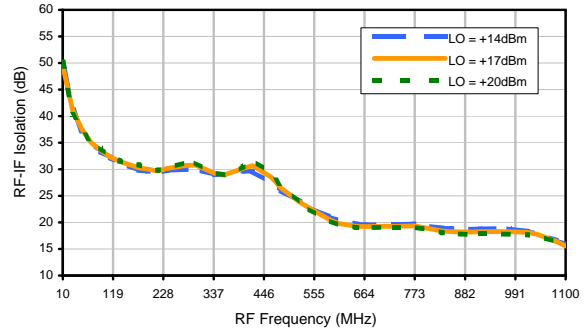
LO-RF Isolation



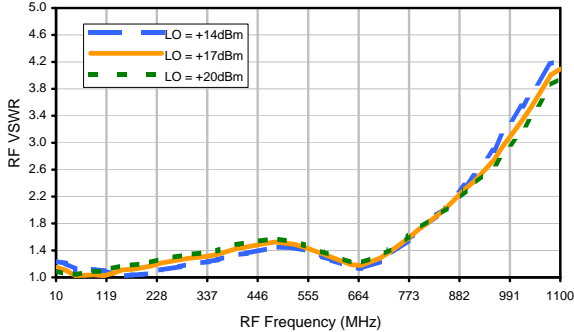
LO-IF Isolation



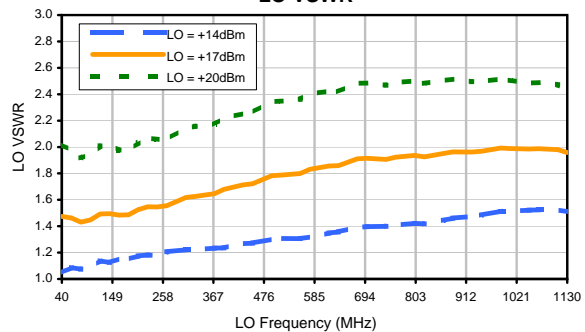
RF-IF Isolation



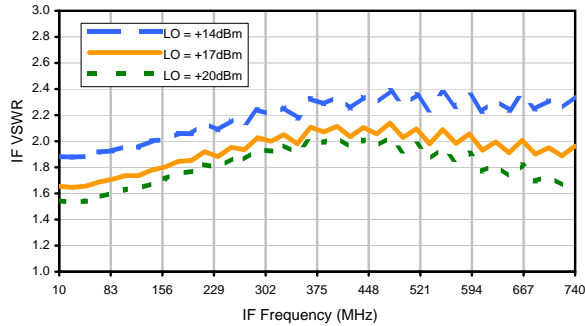
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

Harmonics Tables

SRA-1WH+

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
RF CAL	0	1	2	3	4	5	6	7	8	9	10	
0	-	-	10	25	11	40	28	35	18	40	26	50
1	-	23	+0	30	10	33	21	45	41	37	39	55
2	75	63	48	68	49	>79	47	68	62	78	58	72
3	>90	72	64	74	64	74	61	71	72	>79	>79	71
4	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
5	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>90	>79	>79	>79	>79	>79	>79	>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

Test conditions: RF IN: 375 MHz; -5.00 dBm.
 LO IN: 405 MHz; +17.00 dBm
 IF OUT: 30 MHz; -11.38 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
RF CAL	0	1	2	3	4	5	6	7	8	9	10	
0	-	-	19	36	24	47	41	47	30	51	39	60
1	-	24	+0	30	11	34	22	45	41	44	45	58
2	55	54	39	57	40	64	41	61	56	62	47	76
3	83	59	44	61	46	59	40	57	51	70	62	52
4	>90	74	67	67	60	69	60	67	55	70	71	77
5	>90	76	68	66	61	66	59	65	56	66	67	80
6	>90	>89	>89	84	79	76	74	73	72	73	72	81
7	>90	87	>89	>89	76	>89	77	>89	81	84	85	88
8	>90	>89	>89	>89	>89	>89	>89	86	>89	84	86	82
9	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
10	>90	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	88

LO HARMONICS ORDER

Test conditions: RF IN: 375 MHz; 5.00 dBm.
 LO IN: 405 MHz; +17.00 dBm
 IF OUT: 30 MHz; -1.41 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.