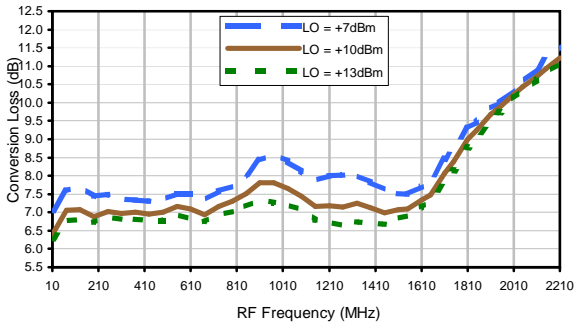


Frequency Mixer

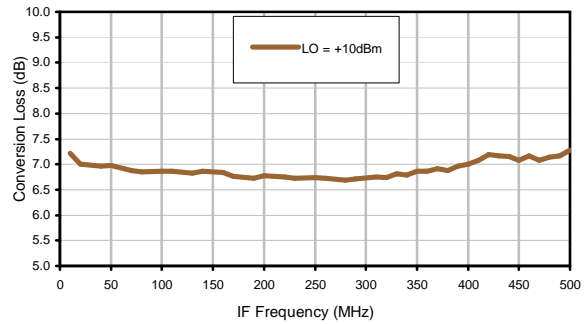
ADEX-R10LH+

Typical Performance Curves

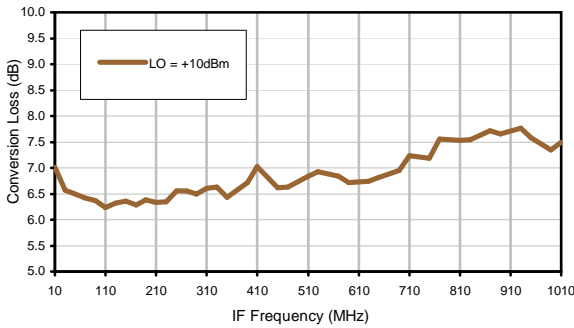
Conversion Loss @ IF=30 MHz



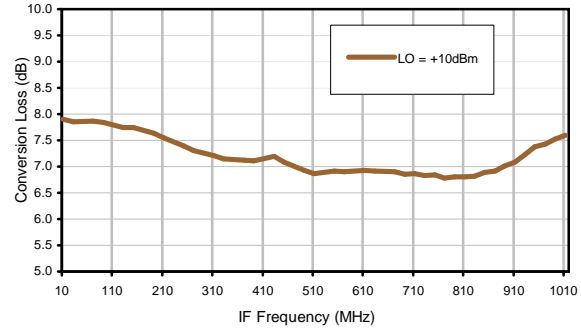
Conversion Loss vs. IF @ RF=510.1 MHz



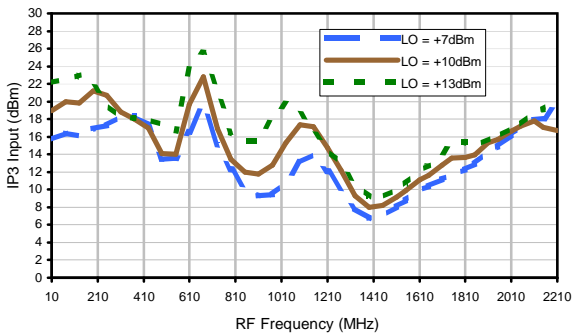
Conversion Loss vs. IF @ RF=10 MHz



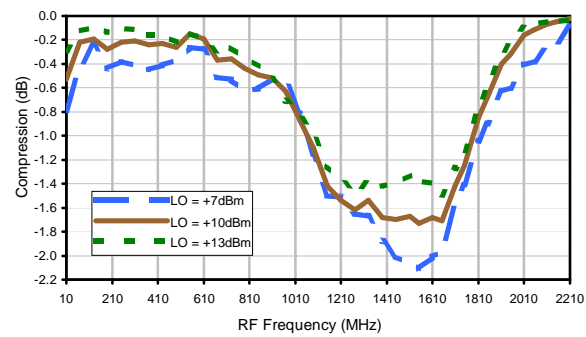
Conversion Loss vs. IF @ RF=1023.1 MHz



IP3 Input



Compression @ RF IN = +5 dBm



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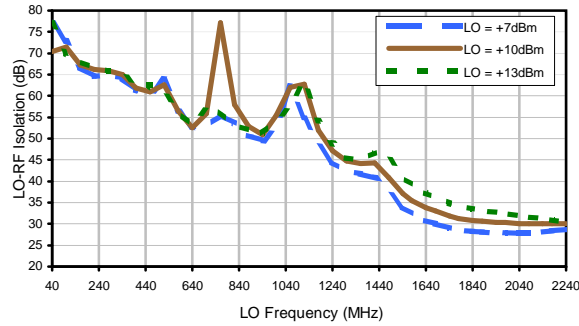


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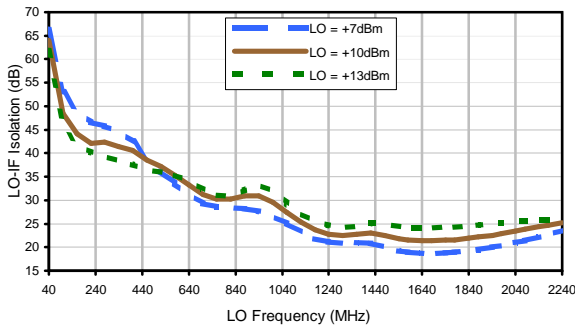


Typical Performance Curves

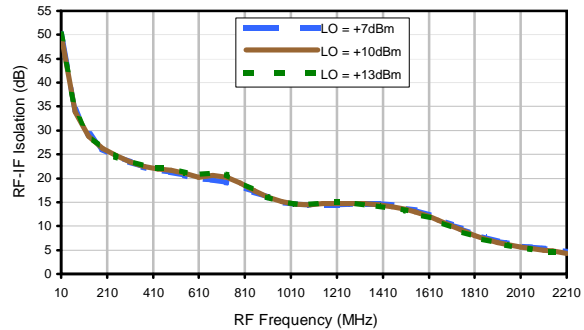
LO-RF Isolation



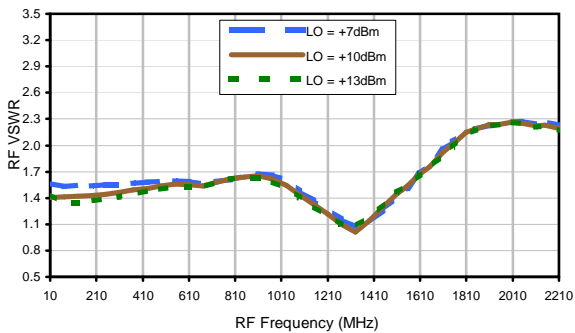
LO-IF Isolation



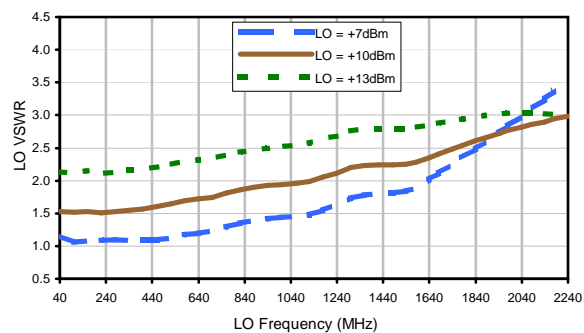
RF-IF Isolation



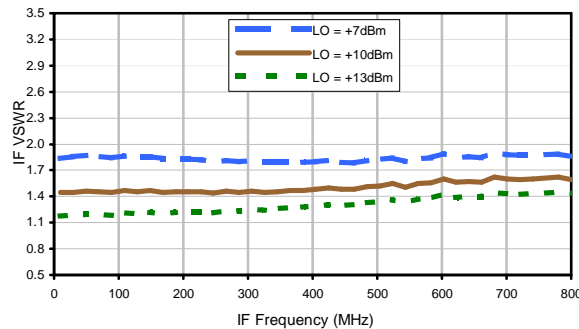
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

ADEX-R10LH+

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	8	25	6	24	16	28	28	40	60	51
1	-	14	+0	36	15	39	20	33	46	42	51	39
2	83	67	45	57	46	67	45	62	56	> 73	63	62
3	> 90	> 73	57	> 73	55	> 73	54	> 73	58	72	69	> 73
4	> 90	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73
5	> 90	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73
6	> 90	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73
7	> 90	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73
8	> 90	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73
9	> 90	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73
10	> 90	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73	> 73
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 505.00 MHz; -10.00 dBm.
 LO IN: 535.00 MHz; +10.00 dBm
 IF OUT: 30.00 MHz; -17.21 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	35	18	35	28	39	41	58	63	52
1	-	14	+0	36	15	46	22	36	45	48	55	46
2	64	61	38	55	38	61	37	60	47	59	55	66
3	> 90	52	44	58	43	71	38	54	46	53	60	60
4	> 90	73	57	73	56	72	58	70	53	66	70	69
5	> 90	72	64	69	52	80	52	79	54	71	55	68
6	> 90	> 83	79	80	> 83	82	72	> 83	68	> 83	63	78
7	> 90	> 83	> 83	> 83	75	> 83	> 83	> 83	> 83	> 83	72	81
8	> 90	> 83	> 83	> 83	> 83	> 83	82	> 83	80	> 83	78	> 83
9	> 90	> 83	> 83	> 83	> 83	> 83	> 83	> 83	> 83	> 83	> 83	> 83
10	> 90	> 83	> 83	> 83	> 83	> 83	> 83	> 83	> 83	> 83	> 83	> 83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 505.00 MHz; 0 dBm.
 LO IN: 535.00 MHz; +10.00 dBm
 IF OUT: 30.00 MHz; -7.18 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.

