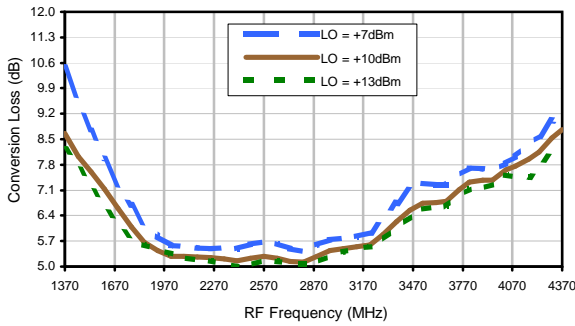


Frequency Mixer

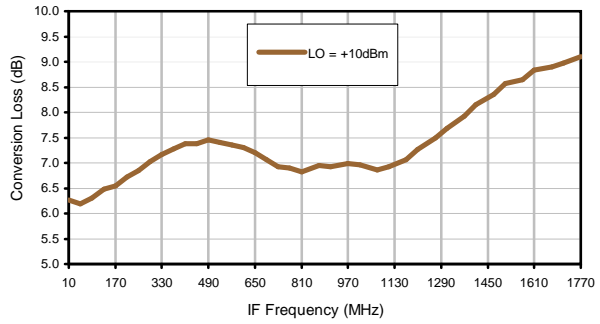
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Typical Performance Curves

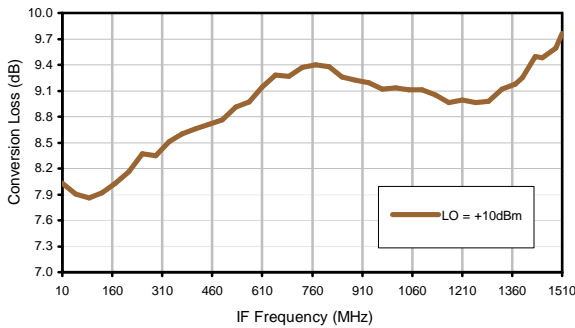
Conversion Loss @ IF=30 MHz



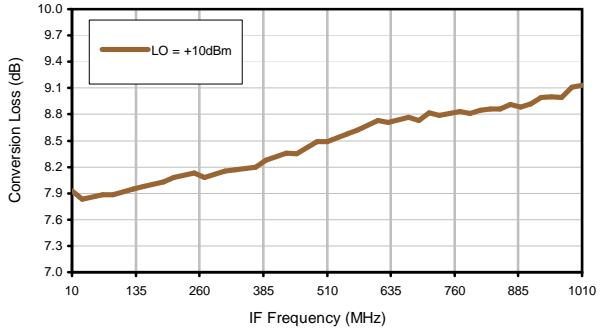
Conversion Loss vs. IF @ RF=1729.9 MHz



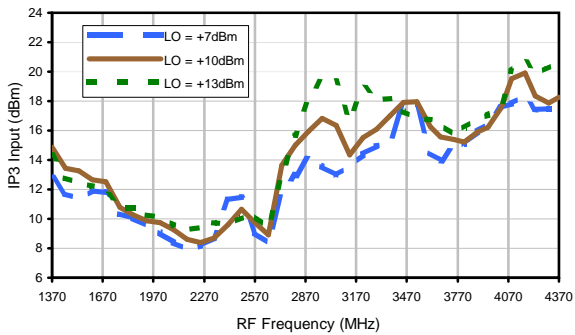
Conversion Loss vs. IF @ RF=1489.9 MHz



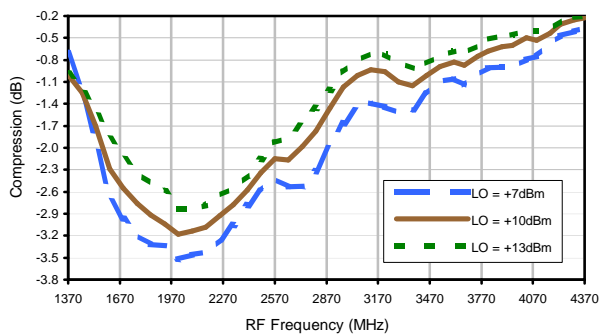
Conversion Loss vs. IF @ RF=4010.1 MHz



IP3 Input



Compression @ RF IN = +5 dBm



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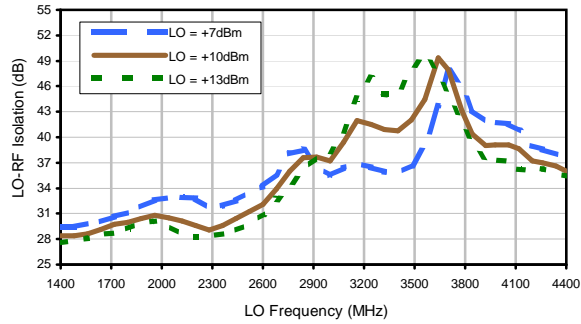


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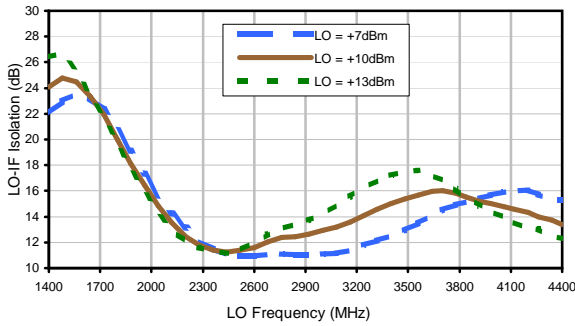


Typical Performance Curves

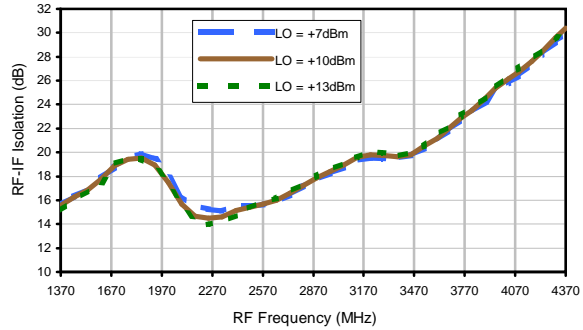
LO-RF Isolation



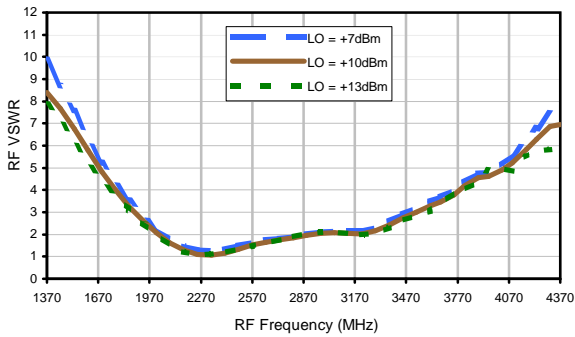
LO-IF Isolation



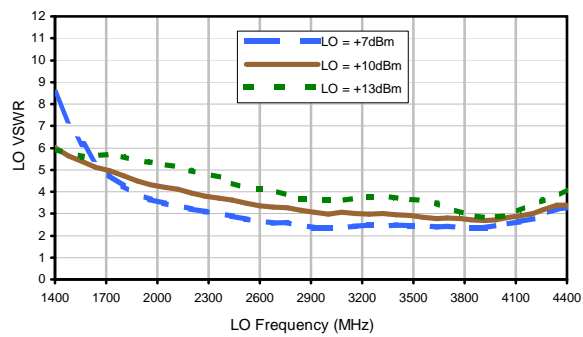
RF-IF Isolation



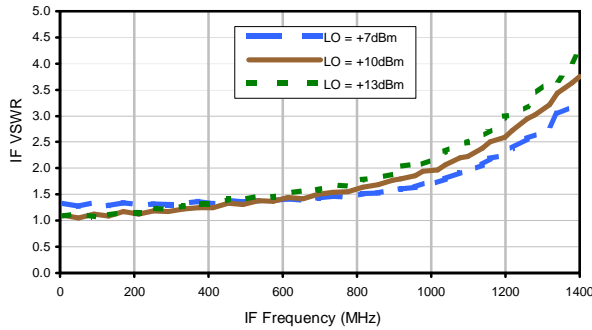
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+5	27	11	22	27	38	32	50	53	---
1	-	10	+0	24	34	50	33	53	44	53	59	63
2	82	57	28	39	28	59	50	46	56	51	70	> 74
3	> 90	61	65	47	43	43	59	60	55	62	59	63
4	> 90	74	70	> 74	51	62	54	> 74	65	66	73	66
5	> 90	> 74	> 74	> 74	> 74	67	70	66	> 74	74	74	> 74
6	> 90	> 74	> 74	> 74	> 74	> 74	71	> 74	> 74	> 74	> 74	> 74
7	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
8	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
9	> 90	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
10	---	---	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74	> 74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2625.00 MHz; -10.00 dBm.
 LO IN: 2655.00 MHz; +10.00 dBm
 IF OUT: 30.00 MHz; -15.77 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	3	37	21	33	37	61	45	76	72	---
1	-	8	+0	28	38	46	39	56	50	76	64	73
2	62	48	30	29	28	59	61	51	50	71	59	69
3	> 90	55	46	34	29	36	64	54	48	67	64	73
4	> 90	48	54	74	38	47	43	62	58	64	62	75
5	> 90	64	62	58	62	47	42	46	69	63	64	72
6	> 90	67	75	71	67	75	50	56	54	71	68	73
7	> 90	76	77	74	75	68	72	62	52	58	73	70
8	> 90	> 84	> 84	80	> 84	78	80	81	56	62	62	77
9	> 90	> 84	> 84	> 84	> 84	83	75	79	78	69	60	65
10	---	---	> 84	> 84	> 84	> 84	> 84	> 84	80	> 84	62	68
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2625.00 MHz; .00 dBm.
 LO IN: 2655.00 MHz; +10.00 dBm
 IF OUT: 30.00 MHz; -6.29 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.