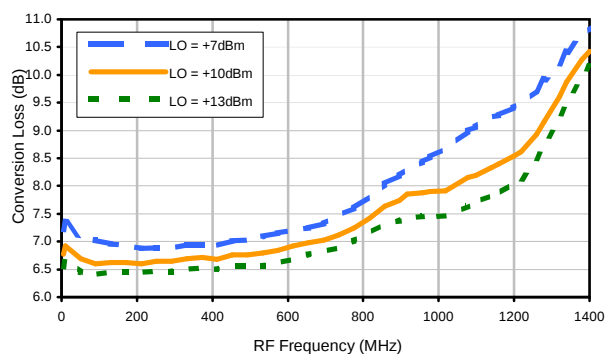


Frequency Mixer

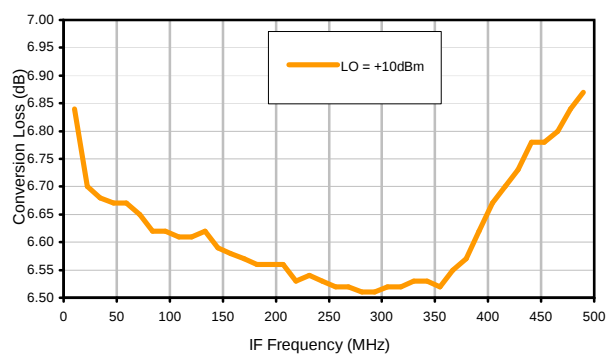
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Typical Performance Curves

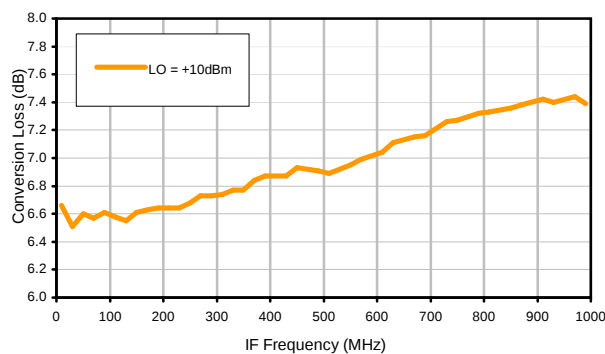
Conversion Loss @ IF=30MHz



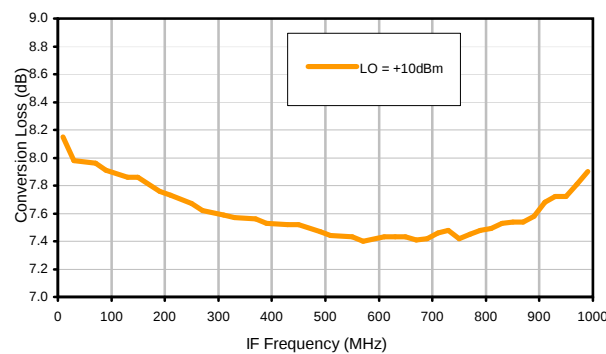
Conversion Loss vs. IF @ RF=500.1MHz



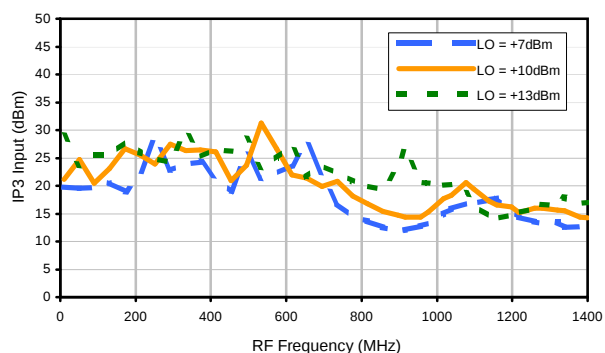
Conversion Loss vs. IF @ RF=10.1MHz



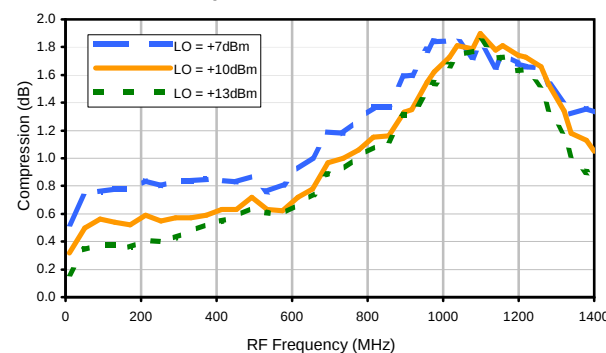
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input



Compression @ RF IN=+5dBm

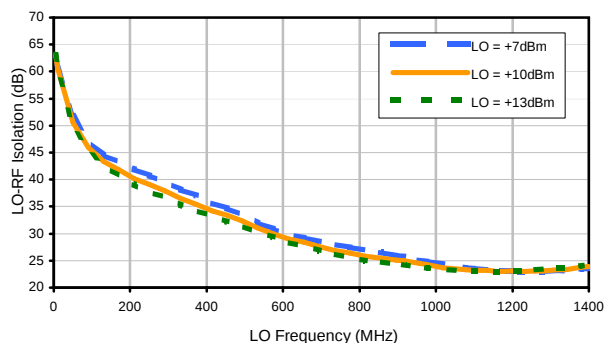


Frequency Mixer

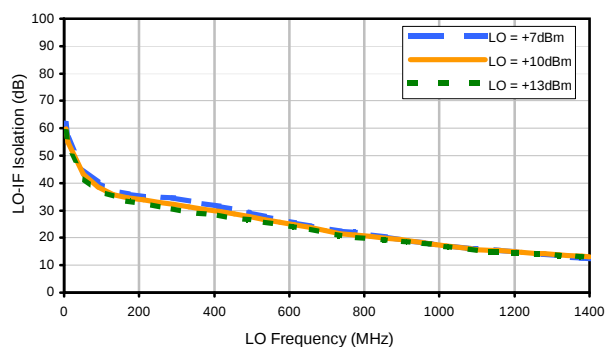
LRMS-2LHJ

Typical Performance Curves

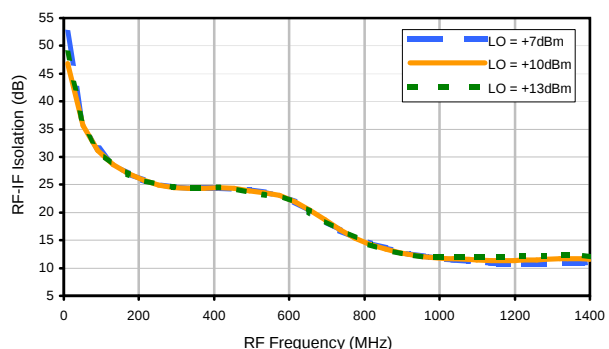
LO-RF Isolation



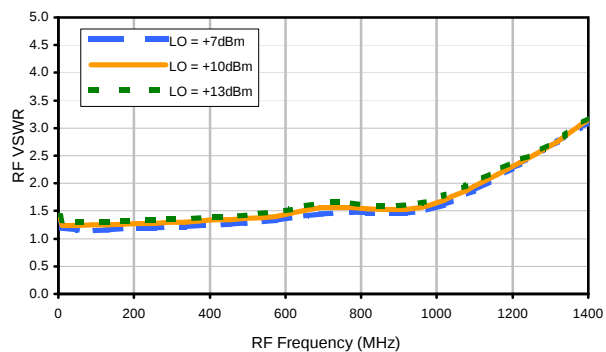
LO-IF Isolation



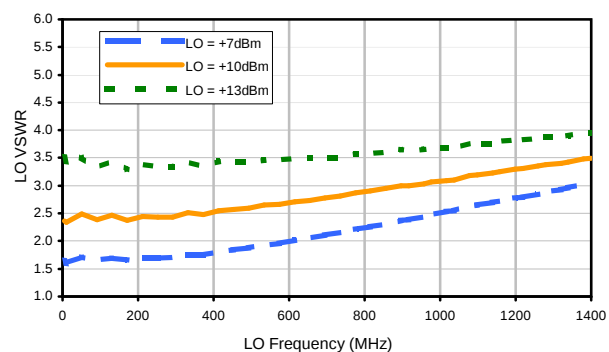
RF-IF Isolation



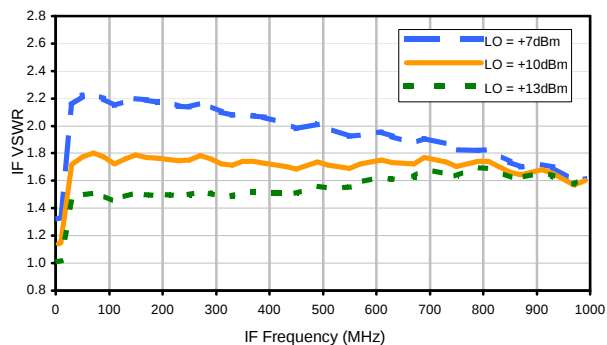
RF VSWR



LO VSWR



IF VSWR



REV. X2
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Page 2 of 3



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	9	17	16	30	30	40	41	60	42	51
1	-	17	+0	31	12	29	24	45	39	44	49	46
2	90	43	33	44	33	46	34	52	46	56	49	72
3	>100	49	46	55	53	52	44	46	50	60	63	57
4	>100	59	56	53	52	56	55	57	47	60	61	76
5	>100	73	66	68	57	72	56	65	56	66	74	80
6	>100	89	78	68	67	66	68	67	63	72	67	83
7	>100	81	90	84	72	75	70	80	75	79	76	69
8	>100	>93	>93	>93	>93	85	75	81	76	80	74	78
9	>100	>93	>93	>93	>93	>93	82	87	81	87	85	81
10	>100	>93	>93	>93	>93	>93	>93	84	87	83	>93	87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 500.1 MHz; 0.00 dBm.

LO IN: 530.01 MHz; +10.00 dBm

IF OUT: 29.91 MHz; -7.36 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+1	7	5	18	18	28	29	48	27	50
1	-	16	+0	33	12	26	22	43	39	39	46	40
2	>100	50	40	53	40	52	40	64	52	74	56	62
3	>100	67	63	74	63	70	57	70	67	79	72	81
4	>100	>83	81	>83	80	>83	78	81	78	>83	>83	>83
5	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
6	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>100	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>100	>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: 500.1 MHz; -10.00 dBm.

LO IN: 530.01 MHz; +10.00 dBm

IF OUT: 29.91 MHz; -16.97 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.

REV. X2

LRMS-2LHJ

100817

Page 3 of 3



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