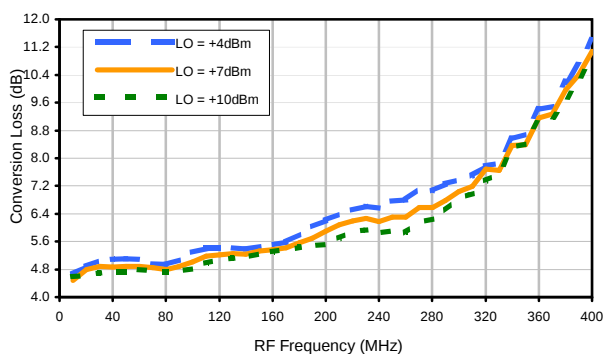


Frequency Mixer

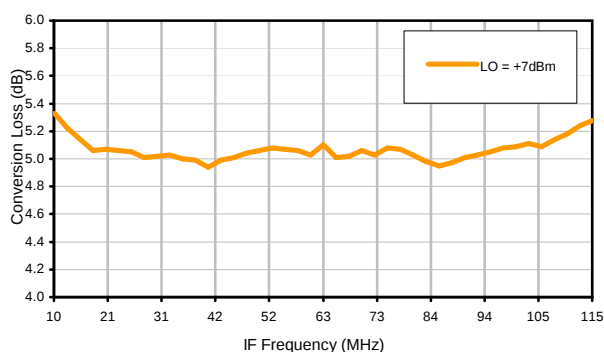
Typical Performance Curves

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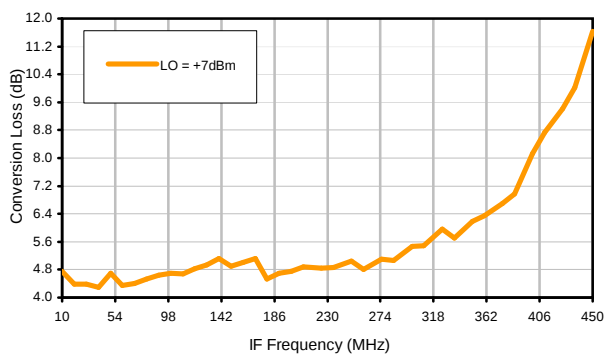
Conversion Loss @ IF=30MHz



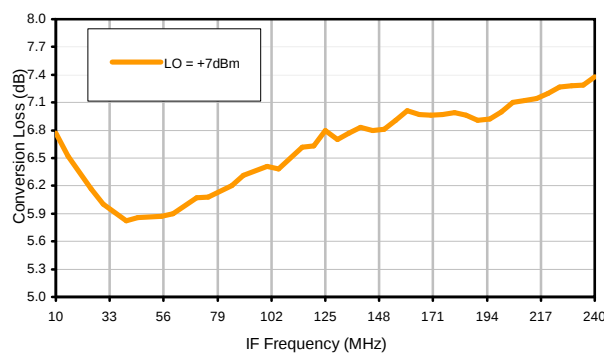
Conversion Loss vs. IF @ RF=125.1MHz



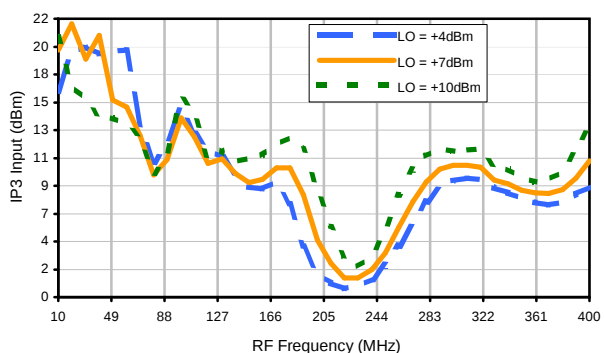
Conversion Loss vs. IF @ RF=10MHz



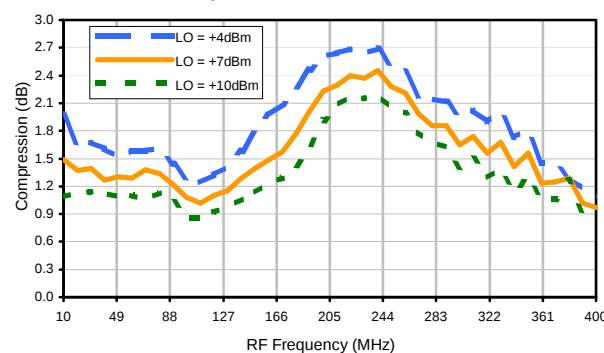
Conversion Loss vs. IF @ RF=250.1MHz



IP3 Input



Compression @ RF IN=+1dBm



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Page 1 of 3



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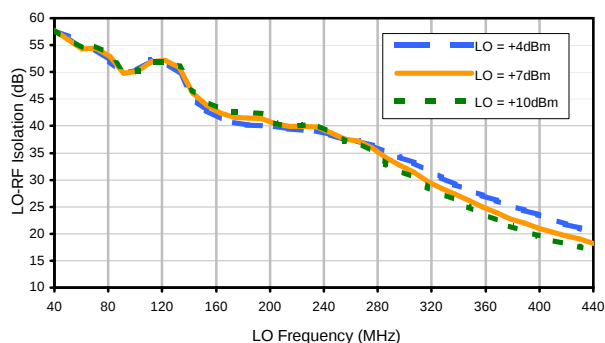


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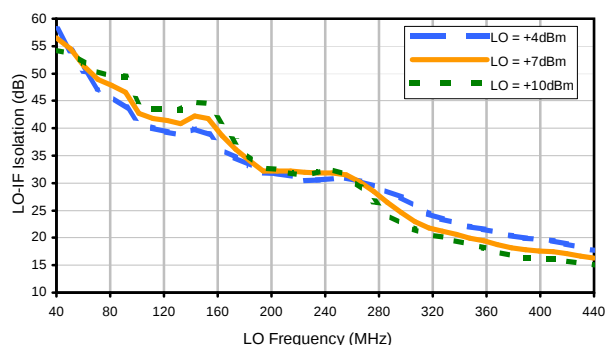


Typical Performance Curves

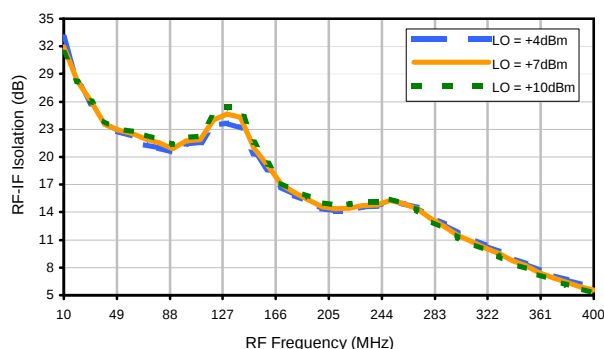
LO-RF Isolation



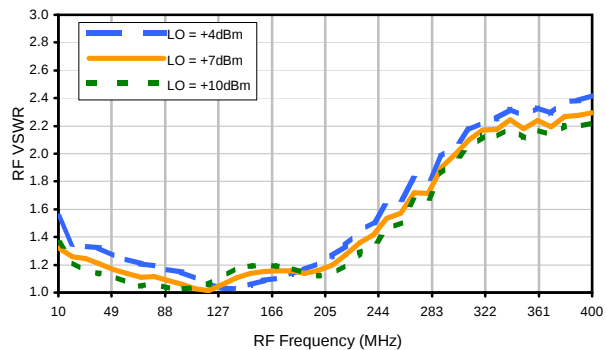
LO-IF Isolation



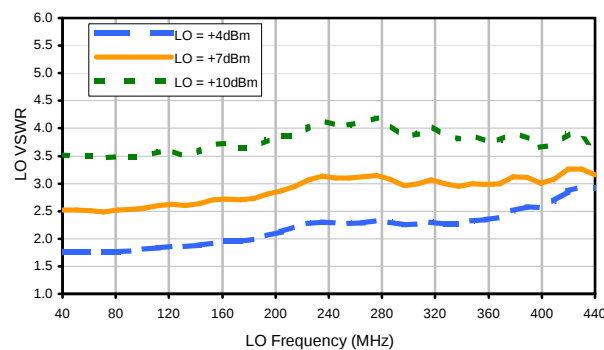
RF-IF Isolation



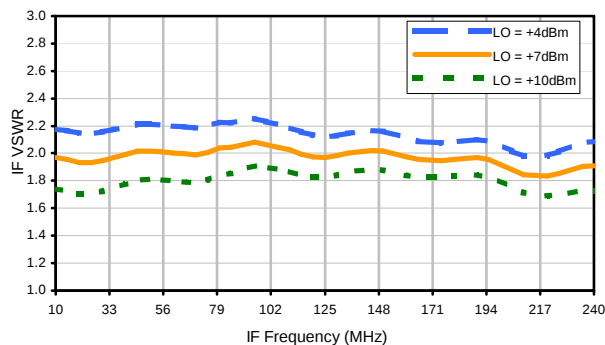
RF VSWR



LO VSWR



IF VSWR



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Page 2 of 3



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	15	19	11	37	17	36	28	51	36	44
1	-	20	+0	33	12	36	36	60	37	49	31	44
2	>90	52	51	52	54	51	53	62	54	69	67	>71
3	>90	65	59	58	61	61	65	70	66	>71	60	>71
4	>90	>71	>71	>71	66	>71	>71	>71	>71	>71	>71	>71
5	>90	>71	>71	>71	>71	>71	69	>71	>71	>71	>71	>71
6	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
7	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
8	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
9	>90	>71	>71	>71	>71	>71	>71	>71	70	>71	>71	>71
10	>90	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71	>71
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 125.1 MHz; -14.00 dBm.

LO IN: 155.1 MHz; +7.00 dBm

IF OUT: 30 MHz; -19.09 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	24	31	22	52	28	48	42	67	53	63
1	-	20	+0	30	12	35	36	51	45	54	39	57
2	74	48	42	47	42	44	50	54	48	57	69	61
3	>90	50	36	51	40	51	41	53	59	64	49	71
4	>90	68	54	69	60	66	69	60	61	68	70	71
5	>90	71	71	63	53	60	52	55	61	66	68	64
6	>90	>81	>81	74	68	80	73	70	71	75	76	78
7	>90	>81	>81	>81	72	70	64	67	64	65	75	77
8	>90	>81	>81	>81	>81	>81	>81	>81	78	>81	>81	>81
9	>90	79	>81	>81	>81	>81	>81	>81	>81	>81	76	>81
10	>90	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 125.1 MHz; -4.00 dBm.

LO IN: 155.1 MHz; +7.00 dBm

IF OUT: 30 MHz; -9.21 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.

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Page 3 of 3



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