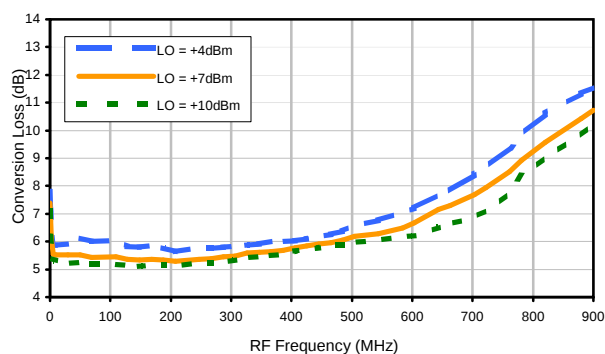


Frequency Mixer

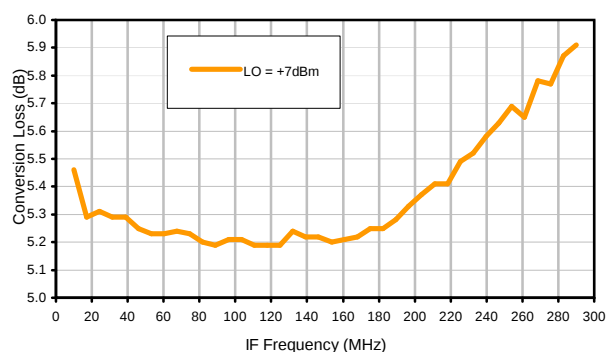
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Typical Performance Curves

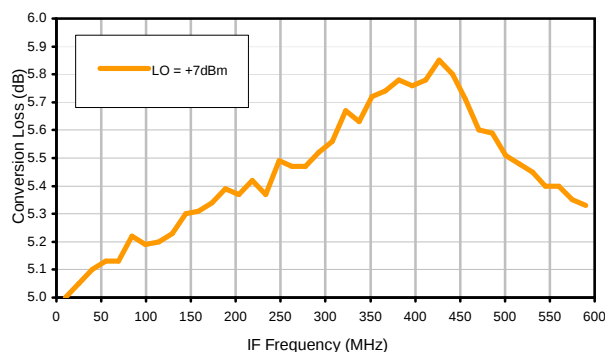
Conversion Loss @ IF=30MHz



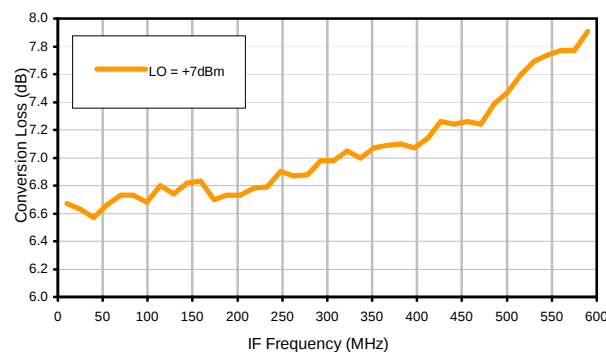
Conversion Loss vs. IF @ RF=300.1MHz



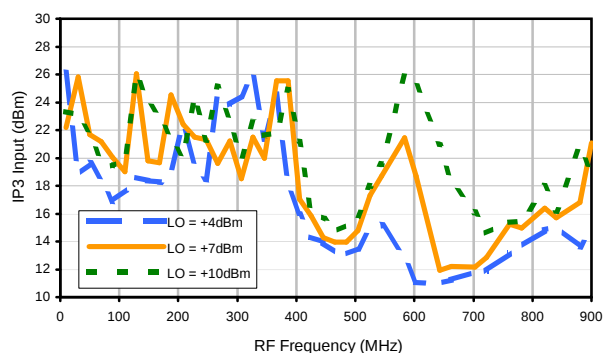
Conversion Loss vs. IF @ RF=10.1MHz



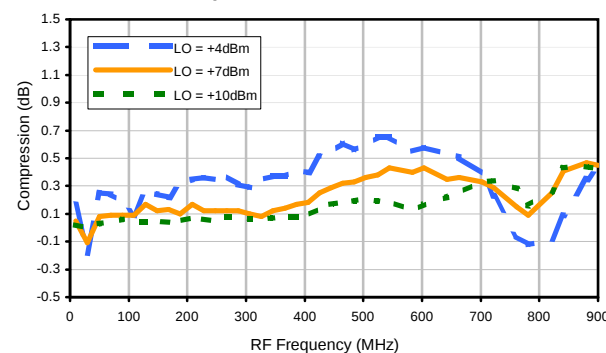
Conversion Loss vs. IF @ RF=600.1MHz



IP3 Input



Compression @ RF IN=+1dBm



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Page 1 of 3



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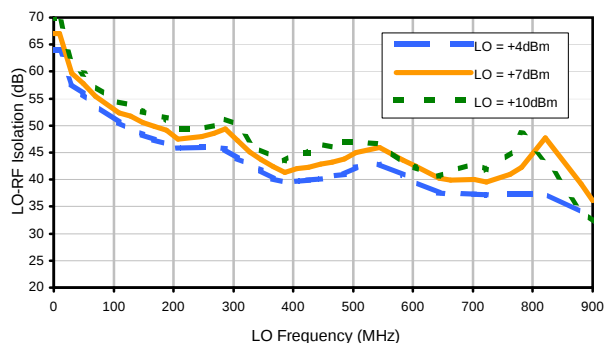


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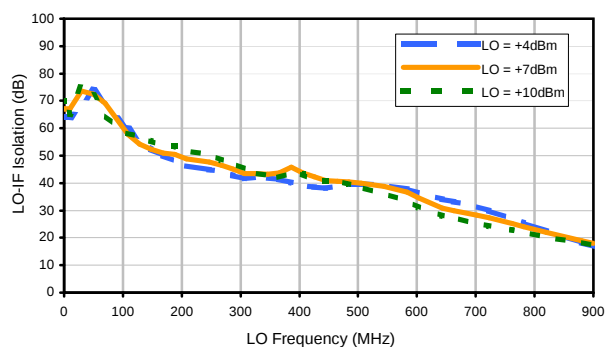


Typical Performance Curves

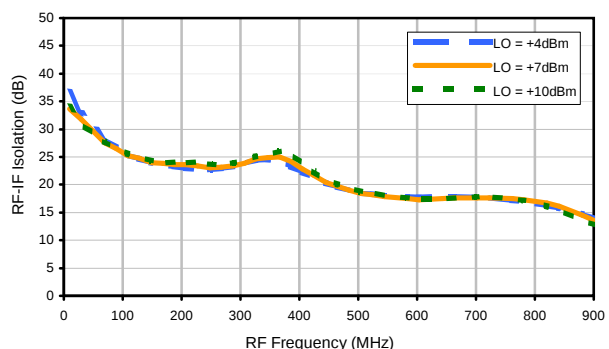
LO-RF Isolation



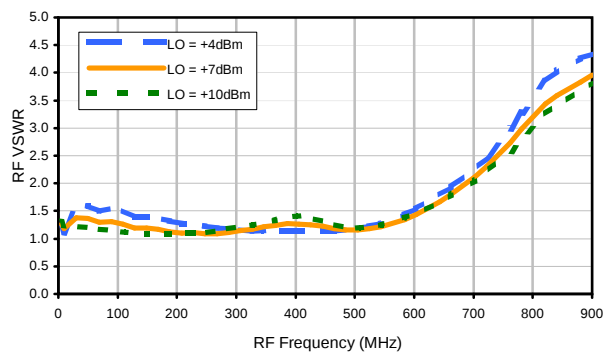
LO-IF Isolation



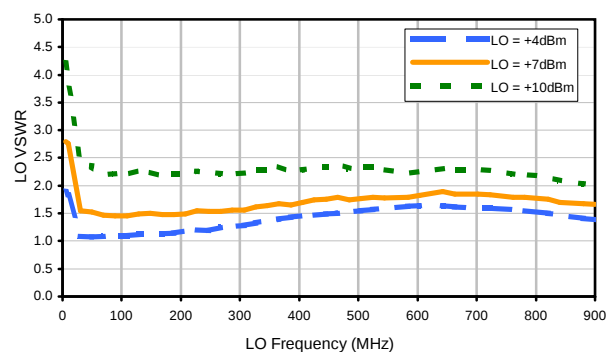
RF-IF Isolation



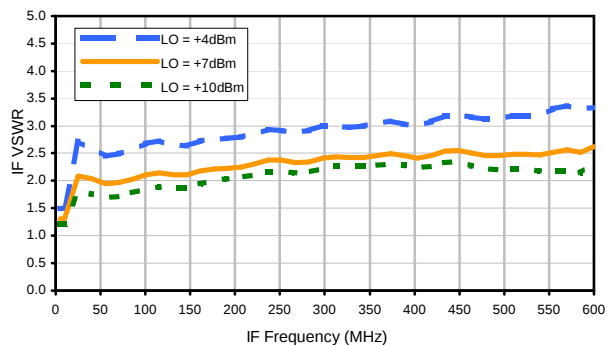
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	28	9	30	21	39	26	40	33	70
1	-	20	+0	29	12	39	23	43	33	56	41	61
2	>100	61	64	60	63	59	56	70	60	72	62	74
3	>100	79	66	78	68	79	64	78	64	78	68	>81
4	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
5	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
6	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
7	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
8	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
9	>100	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81	>81
10	>100	>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: 300.1 MHz; -14.00 dBm.
LO IN: 330.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -19.49 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	27	42	20	42	32	52	39	52	47	81
1	-	21	+0	29	12	39	23	45	36	56	46	66
2	>100	54	59	54	58	52	49	61	53	65	56	65
3	>100	58	49	59	50	58	47	69	52	64	52	70
4	>100	79	77	76	76	72	74	71	70	>91	73	85
5	>100	80	81	77	67	75	62	74	61	73	67	81
6	>100	>91	88	>91	84	>91	83	89	83	89	85	>91
7	>100	>91	>91	>91	88	84	88	85	82	85	79	86
8	>100	>91	>91	>91	>91	>91	>91	>91	88	90	>91	>91
9	>100	>91	>91	>91	>91	>91	>91	>91	>91	90	>91	>91
10	>100	>91	>91	>91	>91	>91	>91	>91	>91	>91	88	>91
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 300.1 MHz; -4.00 dBm.
LO IN: 330.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -9.4 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
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Page 3 of 3



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