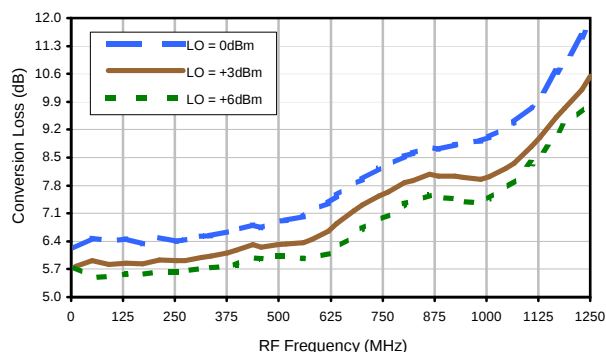


Frequency Mixer

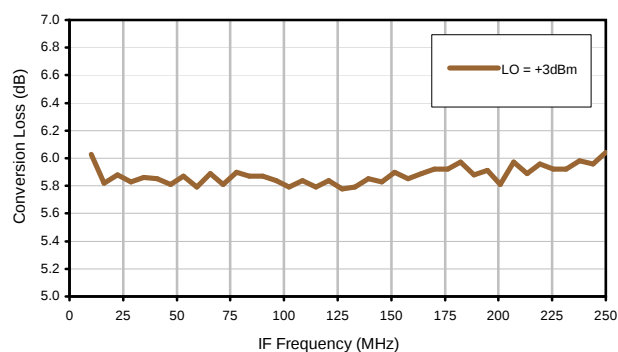
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Typical Performance Curves

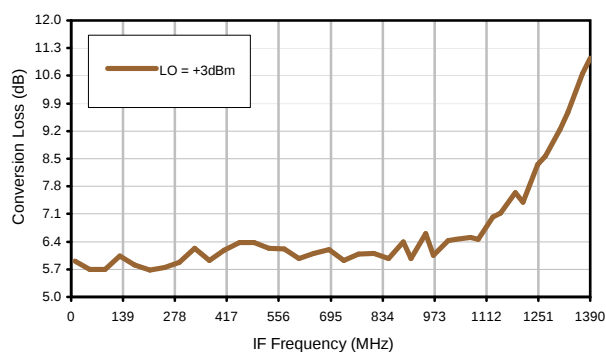
Conversion Loss @ IF=30MHz



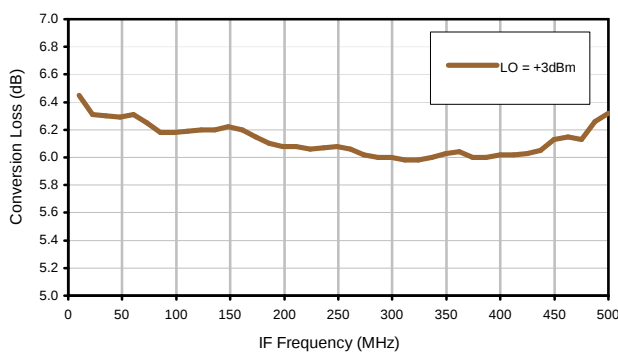
Conversion Loss vs. IF @ RF=260.1MHz



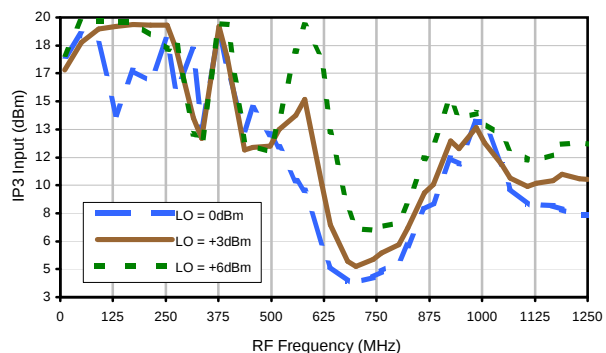
Conversion Loss vs. IF @ RF=10MHz



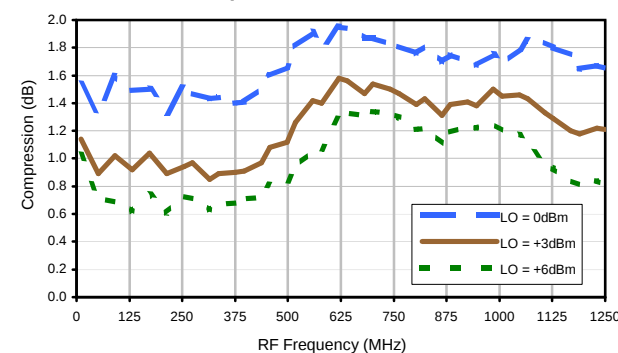
Conversion Loss vs. IF @ RF=510.1MHz



IP3 Input

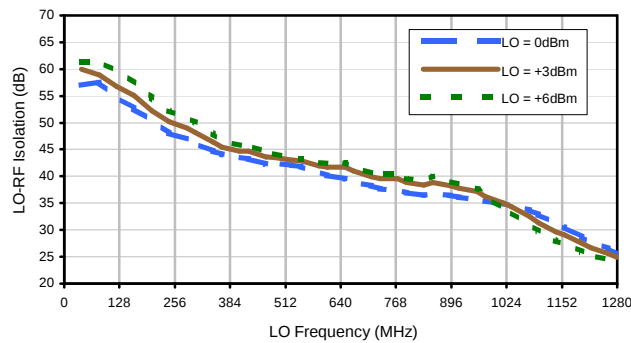


Compression @ RF IN=0dBm

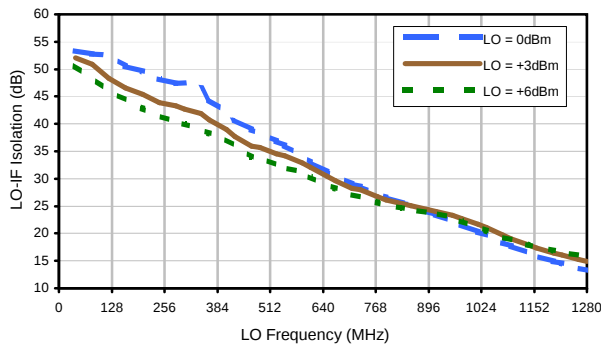


Typical Performance Curves

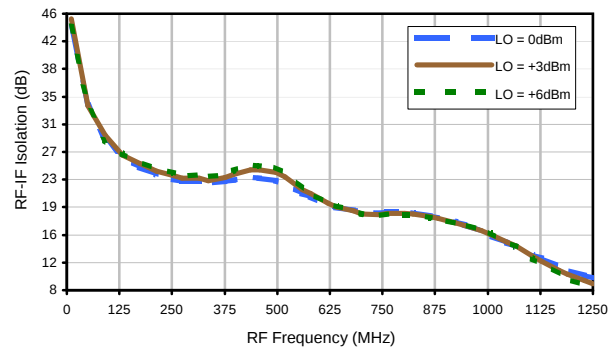
LO-RF Isolation



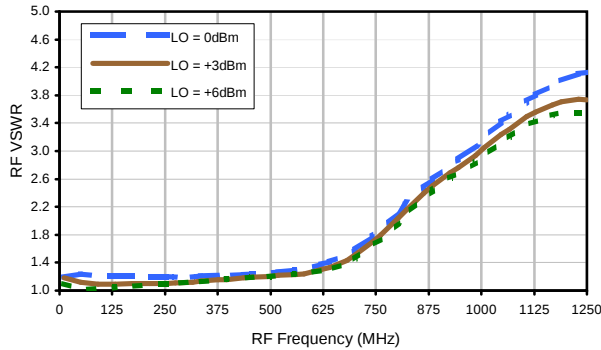
LO-IF Isolation



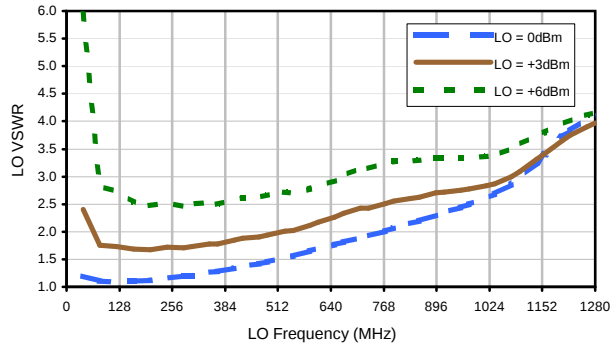
RF-IF Isolation



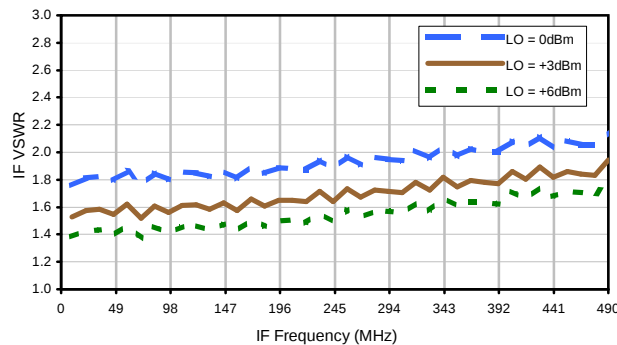
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	--	--	17	35	12	30	17	40	35	45	38	56
1	--	48	+0	29	14	35	22	40	35	46	38	63
2	96	64	47	63	48	58	45	65	48	65	62	68
3	>100	62	66	68	63	>79	54	71	58	72	59	75
4	>100	>79	>79	>79	>79	>79	>79	>79	77	>79	>79	>79
5	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 251 MHz; -15.00 dBm.
LO IN: 281 MHz; +3.00 dBm
IF OUT: 30 MHz; -21.12 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	--	--	24	46	25	44	33	52	55	66	56	71
1	--	18	+0	30	14	39	24	44	43	54	52	81
2	76	56	40	61	42	63	41	60	44	66	61	67
3	>100	43	42	48	43	51	44	51	47	57	51	62
4	>100	73	67	68	60	65	60	63	54	72	57	78
5	>100	75	60	70	54	74	53	69	52	73	57	69
6	>100	85	72	>89	74	87	78	79	77	74	73	75
7	>100	83	77	81	79	77	69	74	66	72	64	79
8	>100	>89	86	>89	83	>89	88	89	86	>89	83	>89
9	>100	>89	>89	>89	83	>89	88	87	>89	>89	87	88
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	87	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 251 MHz; -5.00 dBm.
LO IN: 281 MHz; +3.00 dBm
IF OUT: 30 MHz; -11.17 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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