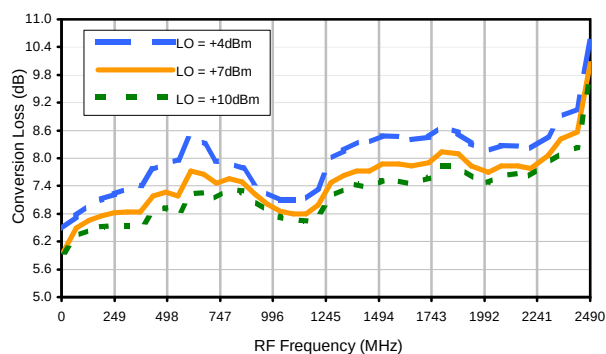


Frequency Mixer

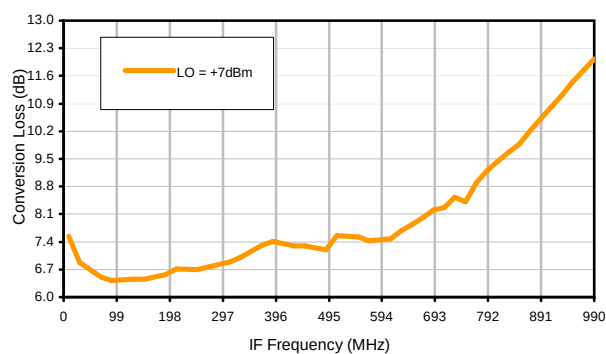
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Typical Performance Curves

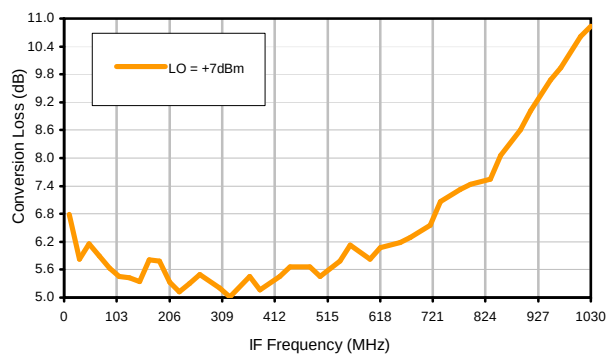
Conversion Loss @ IF=30MHz



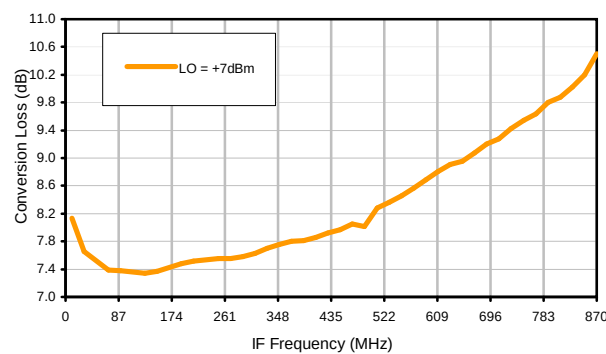
Conversion Loss vs. IF @ RF=1000.1MHz



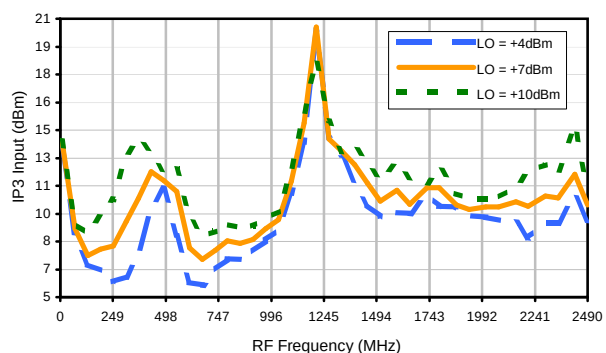
Conversion Loss vs. IF @ RF=10.1MHz



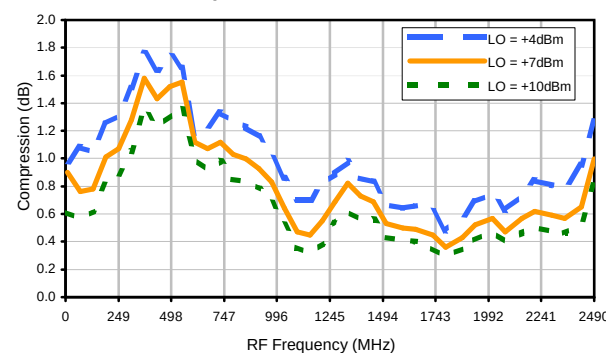
Conversion Loss vs. IF @ RF=2000.1MHz



IP3 Input

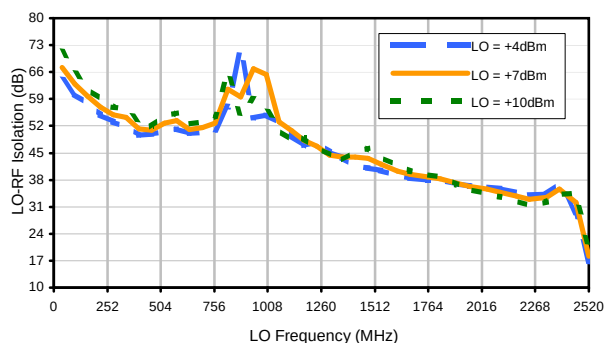


Compression @ RF IN=+1dBm

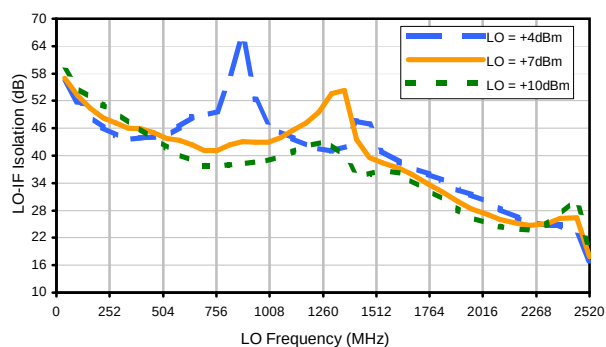


Typical Performance Curves

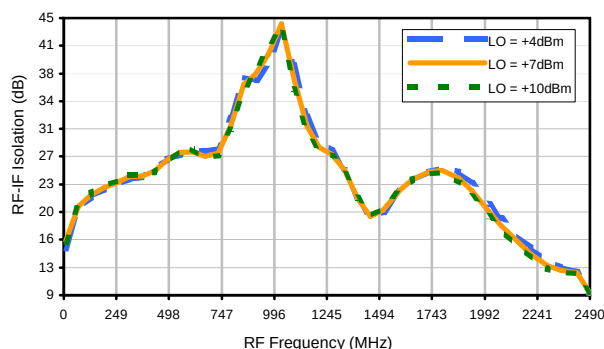
LO-RF Isolation



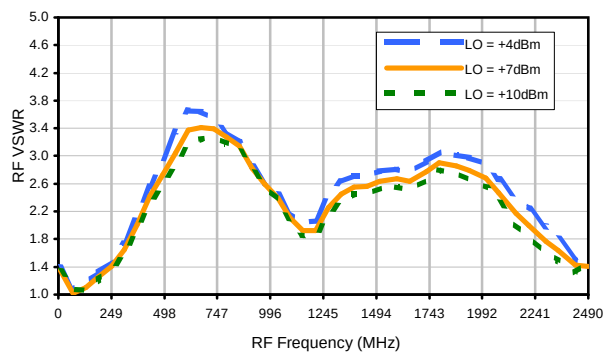
LO-IF Isolation



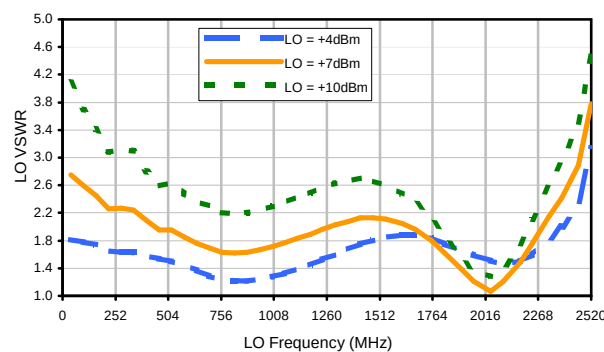
RF-IF Isolation



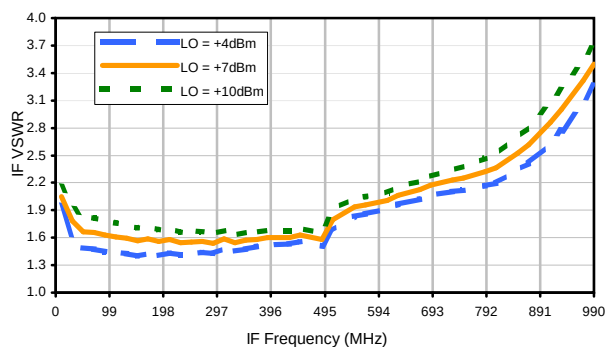
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	15	33	23	53	14	40	43	45	37	53
1	-	37	+0	36	21	34	59	37	43	39	45	44
2	80	>69	55	61	56	>69	61	>69	49	67	>69	>69
3	>90	>69	68	69	57	>69	67	>69	>69	69	>69	68
4	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
5	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
6	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
7	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
8	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
9	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
10	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1000.1 MHz; -14.00 dBm.
LO IN: 1030.1 MHz; +7.00 dBm
IF OUT: 30 MHz; -21.1 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	24	43	33	67	26	56	56	62	53	62
1	-	43	+0	35	21	35	59	43	50	47	56	55
2	60	67	47	58	49	66	56	70	44	65	70	73
3	>90	64	54	52	39	52	54	56	78	54	64	56
4	>90	>79	77	79	71	64	68	74	74	78	58	74
5	>90	78	>79	70	71	66	55	66	63	73	>79	70
6	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>90	>79	>79	>79	>79	>79	>79	78	69	>79	78	>79
8	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>90	>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: 1000.1 MHz; -4.00 dBm.
LO IN: 1030.1 MHz; +7.00 dBm
IF OUT: 30 MHz; -11.07 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.