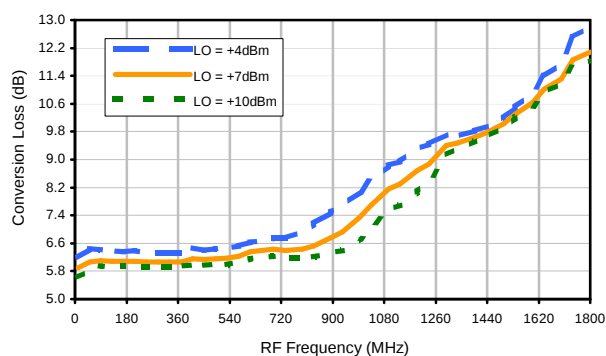


Frequency Mixer

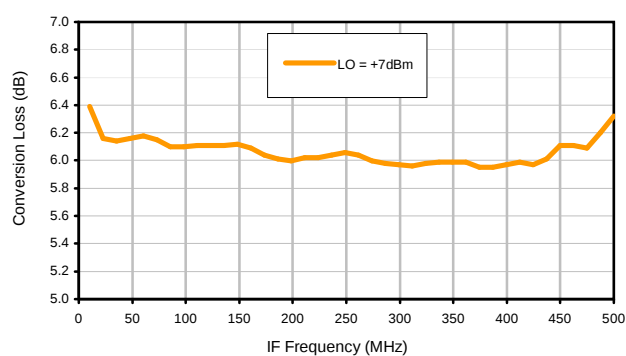
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Typical Performance Curves

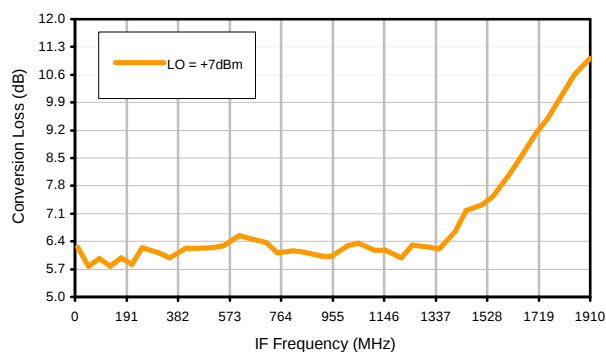
Conversion Loss @ IF=30MHz



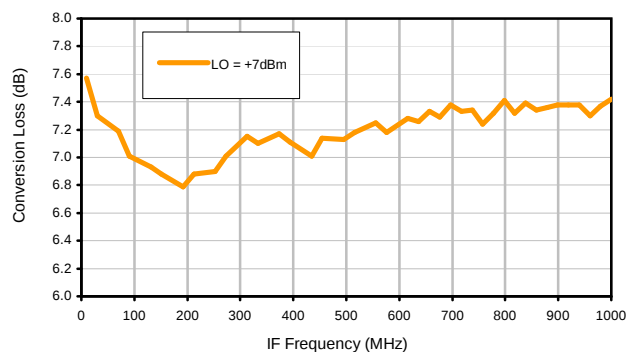
Conversion Loss vs. IF @ RF=510.1MHz



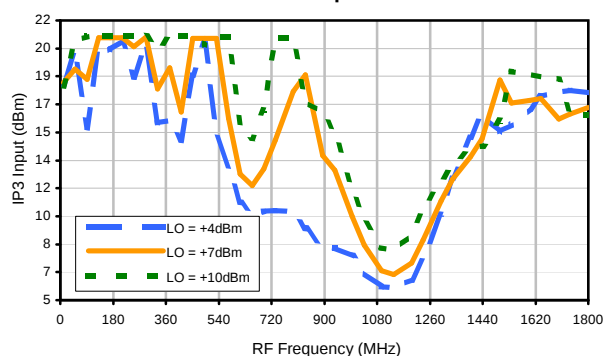
Conversion Loss vs. IF @ RF=10.1MHz



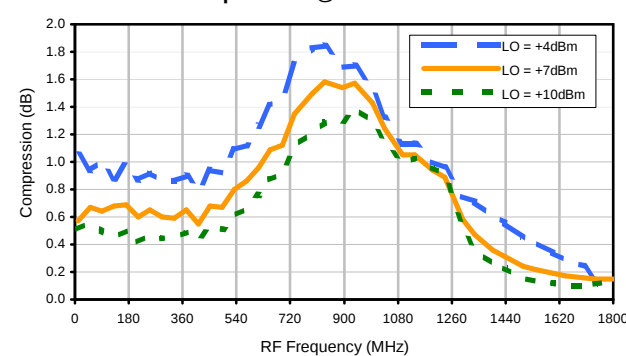
Conversion Loss vs. IF @ RF=1010.1MHz



IP3 Input



Compression @ RF IN=+1dBm



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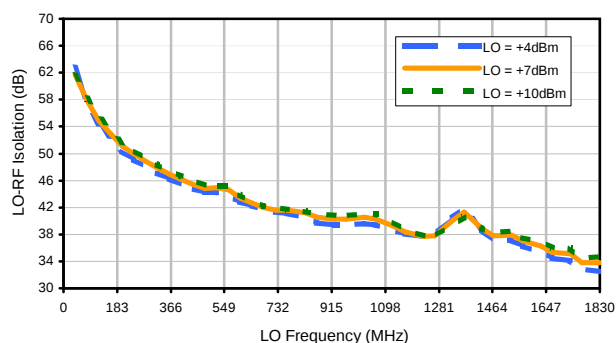


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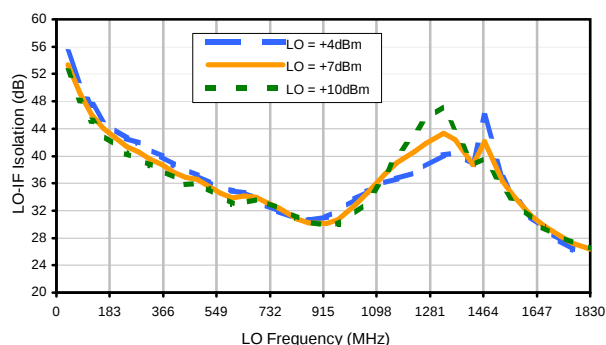


Typical Performance Curves

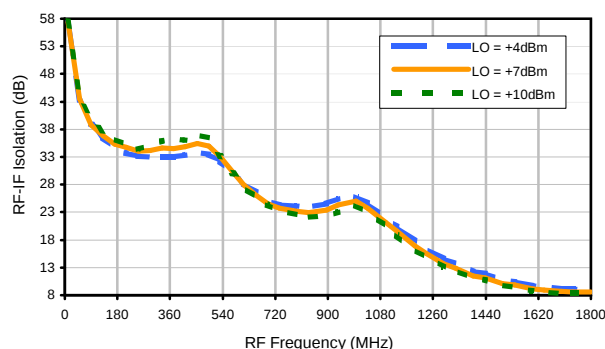
LO-RF Isolation



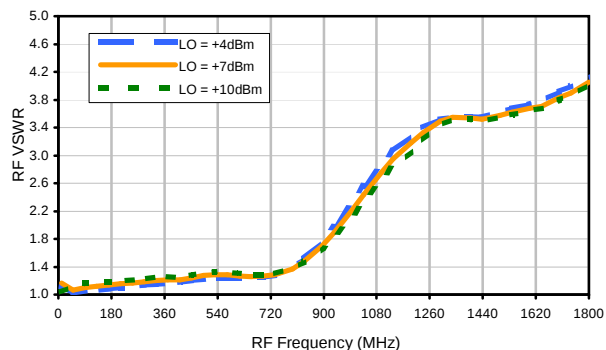
LO-IF Isolation



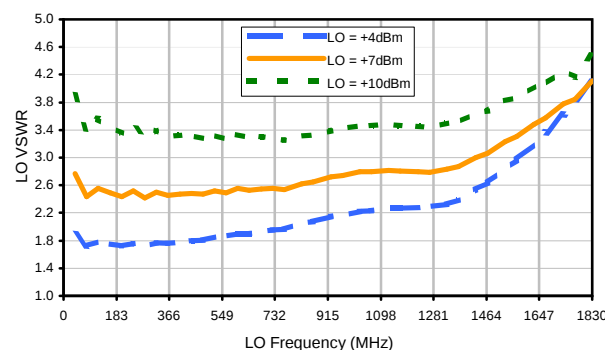
RF-IF Isolation



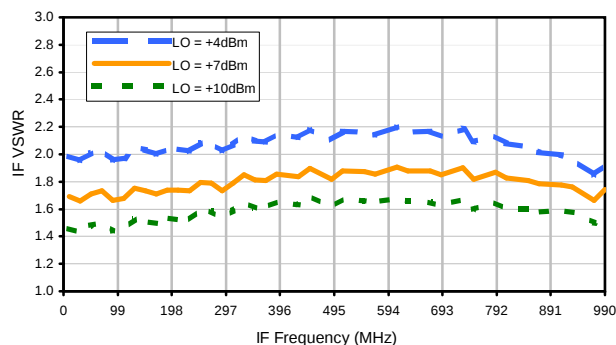
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	4	14	26	26	16	33	19	35	40	58
1	-	24	+0	41	11	29	26	46	42	39	45	64
2	>90	59	50	63	50	66	52	>70	56	>70	52	67
3	>90	64	>70	66	>70	68	66	>70	>70	>70	>70	>70
4	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
5	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
6	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
7	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
8	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
9	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
10	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 500 MHz; -14.00 dBm.
LO IN: 530 MHz; +7.00 dBm
IF OUT: 30 MHz; -20.43 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	14	26	33	40	27	45	33	50	58	77
1	-	25	+0	38	11	33	27	50	43	46	55	75
2	72	51	42	61	42	58	47	62	48	58	47	60
3	>90	44	46	49	48	52	42	54	54	64	58	57
4	>90	75	74	64	59	63	57	72	58	75	68	69
5	>90	74	75	>80	57	65	57	65	59	64	74	>80
6	>90	>80	>80	77	76	78	75	79	>80	74	76	>80
7	>90	>80	>80	>80	79	>80	75	>80	>80	>80	73	>80
8	>90	>80	>80	>80	>80	>80	>80	>80	>80	77	79	>80
9	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
10	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 500 MHz; -4.00 dBm.
LO IN: 530 MHz; +7.00 dBm
IF OUT: 30 MHz; -10.36 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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