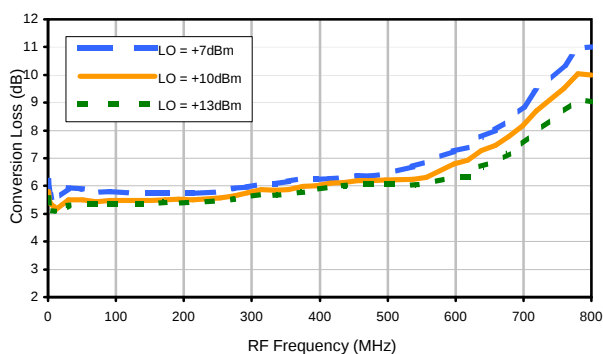


Frequency Mixer

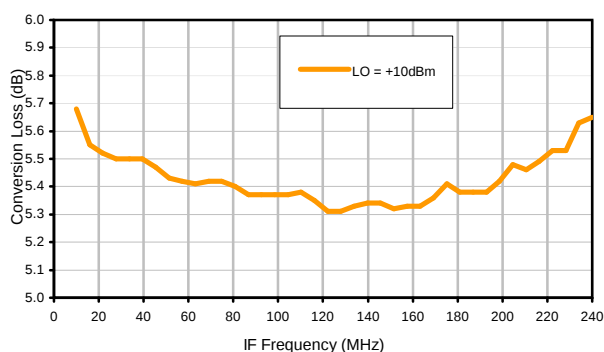
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Typical Performance Curves

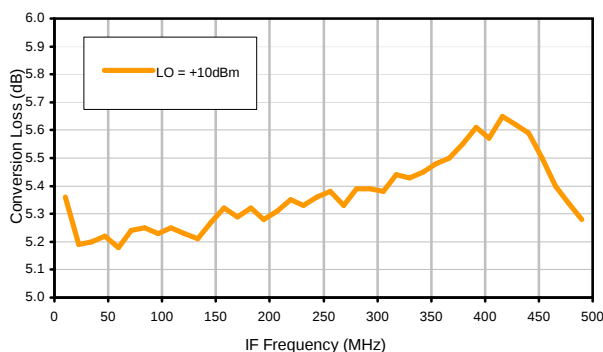
Conversion Loss @ IF=30MHz



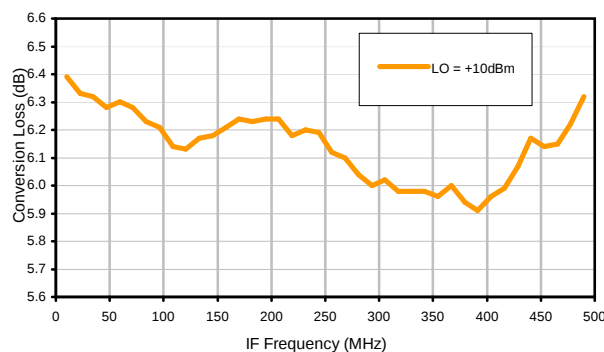
Conversion Loss vs. IF @ RF=250.1MHz



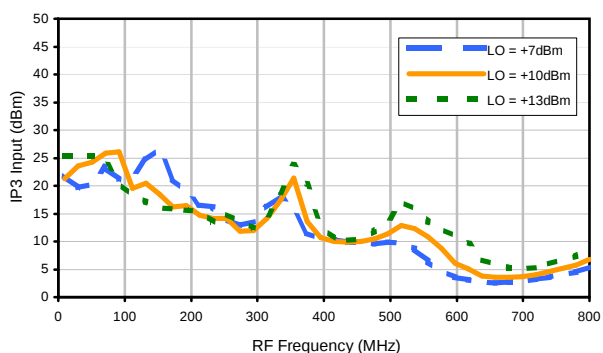
Conversion Loss vs. IF @ RF=10.1MHz



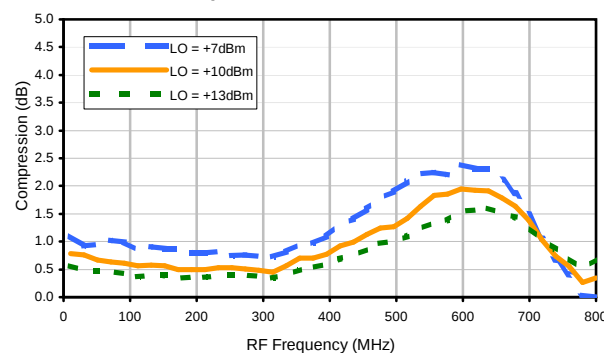
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input

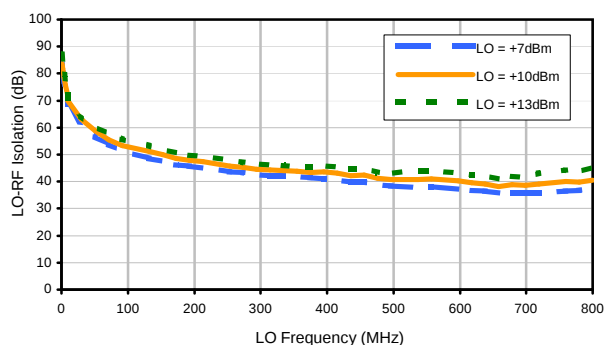


Compression @ RF IN=+5dBm

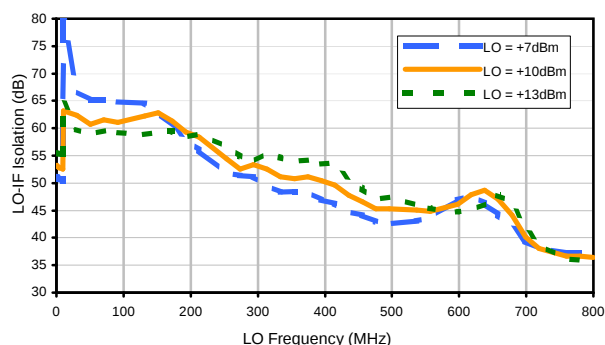


Typical Performance Curves

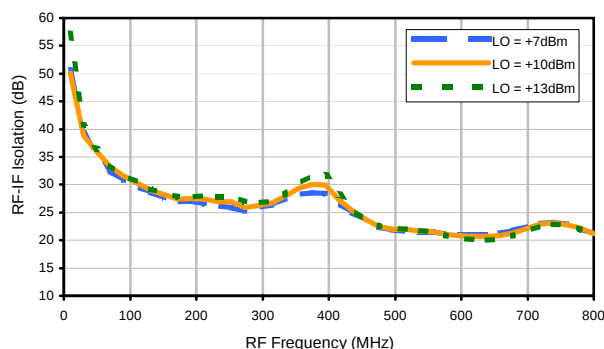
LO-RF Isolation



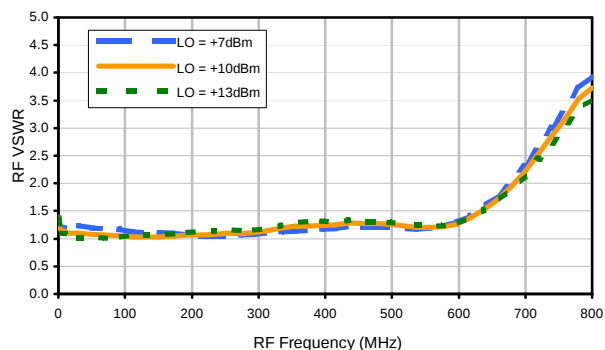
LO-IF Isolation



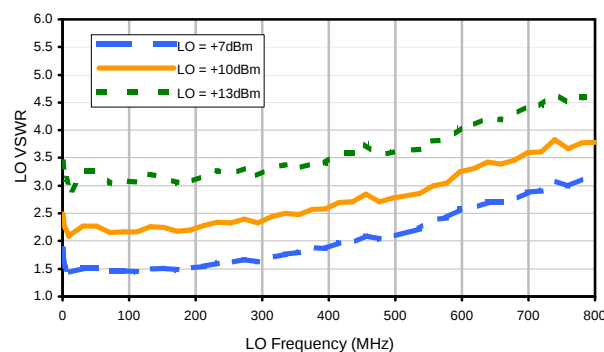
RF-IF Isolation



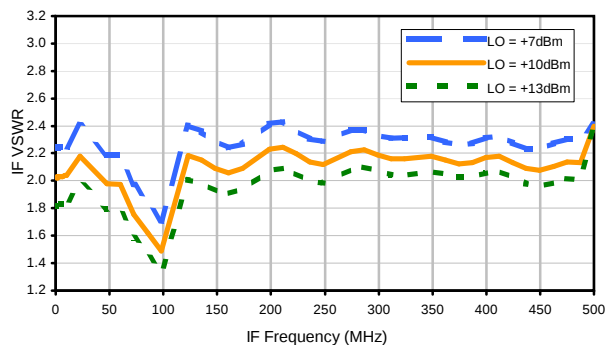
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	37	40	38	40	45	55	48	74	57	58
1	-	22	+0	32	12	45	17	36	39	55	50	49
2	94	56	72	58	64	59	75	56	64	68	60	72
3	>100	48	39	50	42	57	36	55	45	55	58	66
4	>100	68	77	72	78	69	82	66	79	68	72	87
5	>100	69	54	64	53	63	51	70	49	60	50	66
6	>100	87	80	76	75	79	81	87	81	87	87	80
7	>100	78	71	73	61	73	64	73	65	77	62	78
8	>100	>94	>94	>94	>94	88	86	>94	81	>94	83	>94
9	>100	>94	>94	90	83	81	73	84	73	77	71	82
10	>100	>94	>94	>94	>94	94	>94	88	>94	93	83	88
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; 0.00 dBm.
LO IN: 280.01 MHz; +10.00 dBm
IF OUT: 29.91 MHz; -5.68 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	28	27	28	34	44	34	50	42	42
1	-	21	+0	31	11	44	16	34	46	47	43	39
2	>100	70	67	65	65	68	68	82	67	83	64	75
3	>100	64	54	64	55	74	52	65	54	71	63	77
4	>100	>84	>84	>84	>84	82	>84	>84	>84	>84	>84	>84
5	>100	>84	>84	>84	>84	>84	78	>84	77	>84	76	>84
6	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
7	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
8	>100	>84	>84	>84	>84	>84	>84	>84	81	>84	>84	>84
9	>100	>84	>84	>84	>84	>84	>84	>84	>84	68	>84	>84
10	>100	>84	>84	>84	>84	>84	>84	>84	>84	>84	78	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -10.00 dBm.
LO IN: 280.01 MHz; +10.00 dBm
IF OUT: 29.91 MHz; -15.7 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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