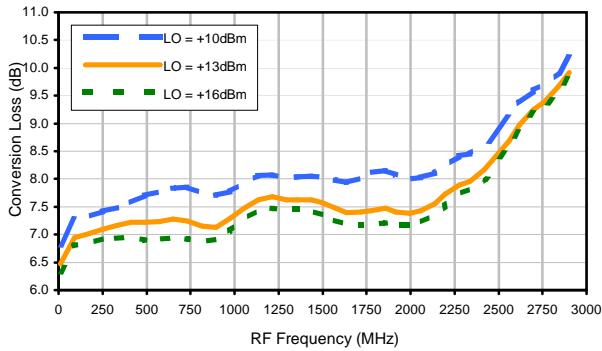


Frequency Mixer

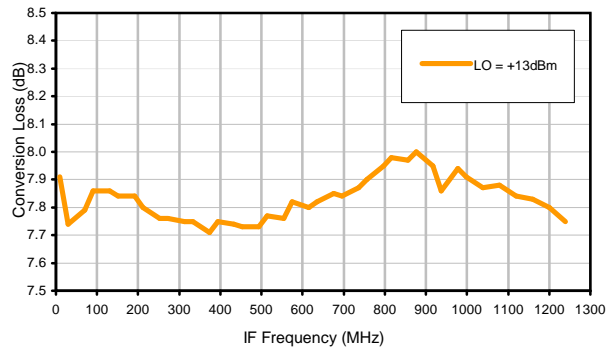
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Typical Performance Curves

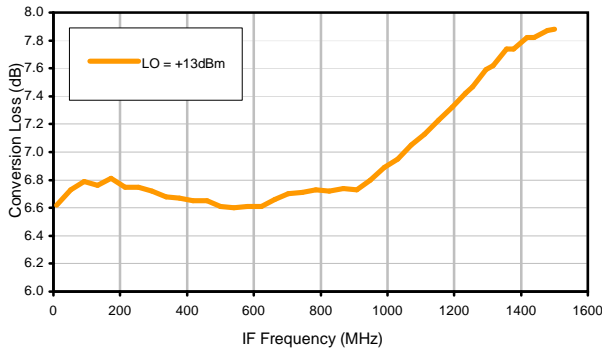
Conversion Loss @ IF=30MHz



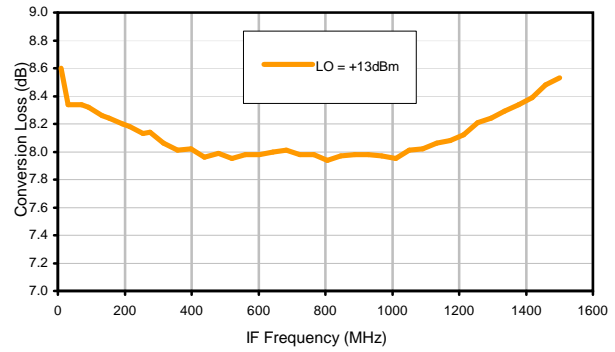
Conversion Loss vs. IF @ RF=1250.1MHz



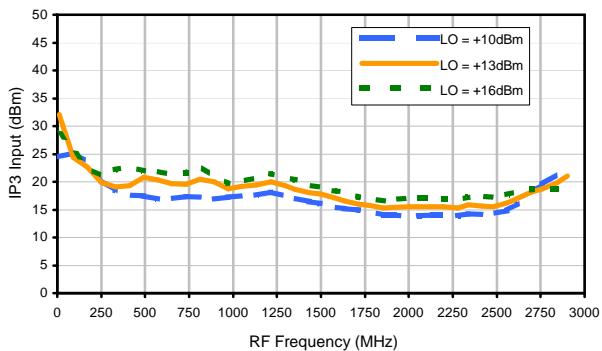
Conversion Loss vs. IF @ RF=10.1MHz



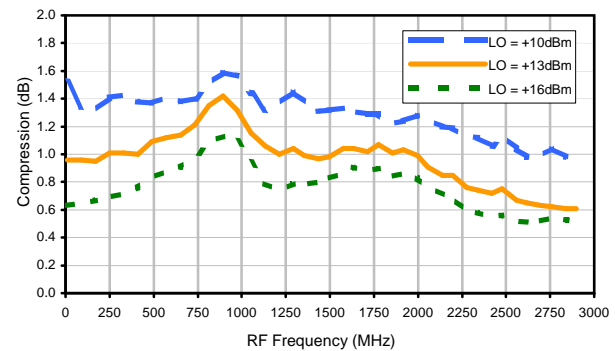
Conversion Loss vs. IF @ RF=2500.1MHz



IP3 Input



Compression @ RF IN=+9dBm



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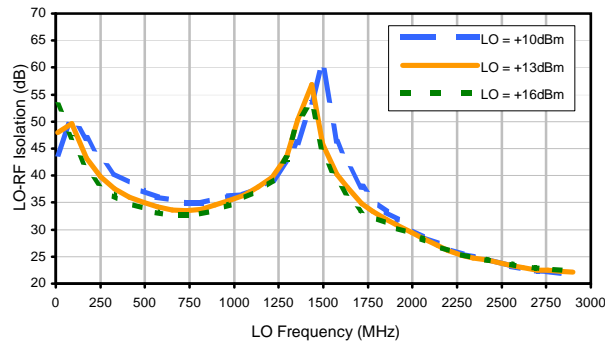


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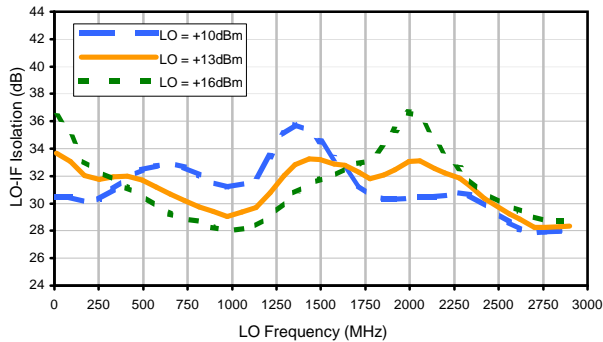


Typical Performance Curves

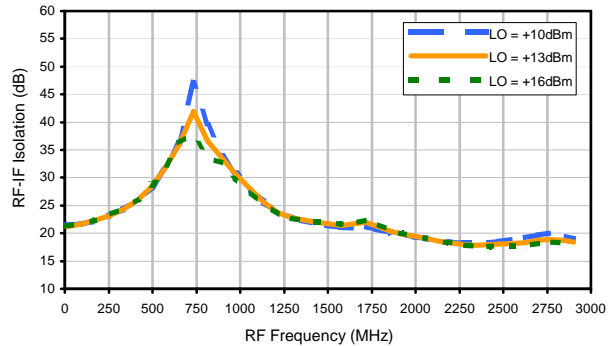
LO-RF Isolation



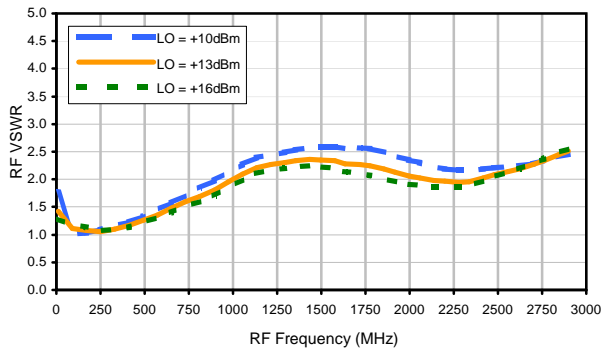
LO-IF Isolation



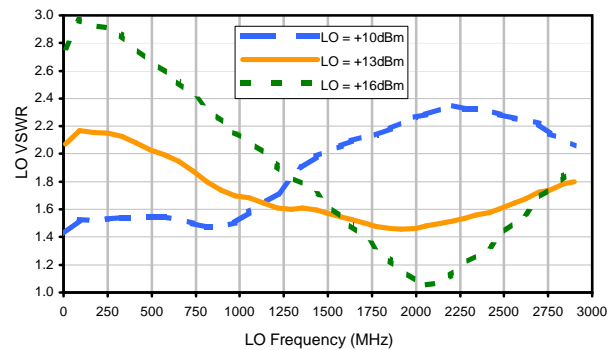
RF-IF Isolation



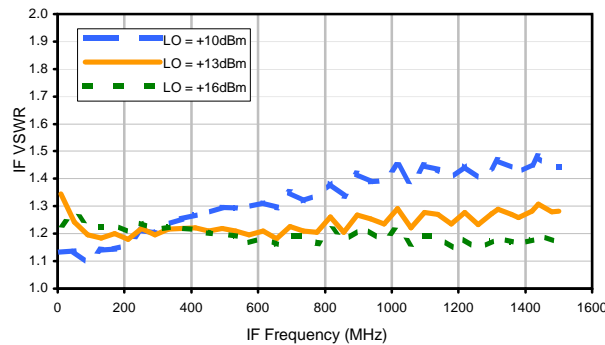
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	5	16	18	17	25	30	34	53	45	51
1	-	16	+0	27	17	35	21	30	30	56	42	46
2	87	58	54	63	59	59	54	50	76	67	68	68
3	>100	69	55	65	57	65	56	68	66	67	78	85
4	>100	>86	83	85	83	>86	82	>86	>86	>86	>86	>86
5	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
6	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
7	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
8	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
9	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
10	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1250.1 MHz; -6.00 dBm.
 LO IN: 1280.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -13.88 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	15	25	27	29	35	41	48	70	53	65
1	-	16	+0	27	16	38	21	34	31	65	45	56
2	77	47	44	48	53	54	43	43	49	62	59	63
3	>100	44	36	46	40	49	40	51	57	48	58	71
4	>100	67	54	64	59	65	73	64	74	61	65	78
5	>100	63	64	61	60	61	55	61	56	64	65	62
6	91	79	75	67	68	71	68	76	75	74	74	72
7	98	88	91	74	70	81	73	72	72	70	67	69
8	>100	>96	87	85	84	78	77	85	77	83	78	85
9	>100	>96	96	>96	95	88	82	85	86	89	91	90
10	96	>96	>96	>96	>96	>96	94	87	85	90	90	90
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1250.1 MHz; 4.00 dBm.
 LO IN: 1280.01 MHz; +13.00 dBm
 IF OUT: 29.91 MHz; -3.93 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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