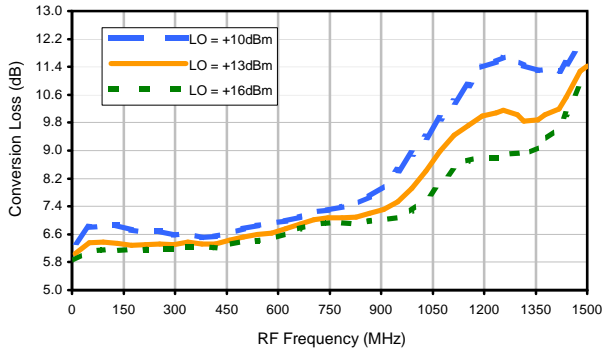


Frequency Mixer

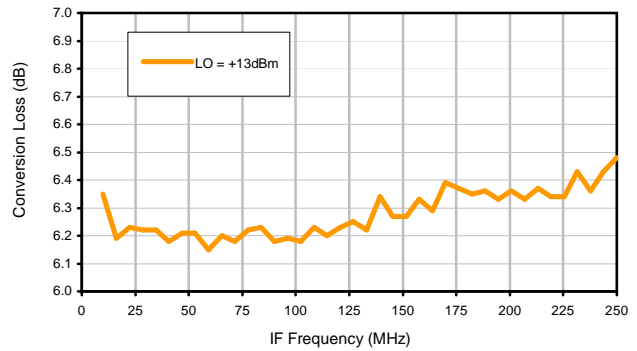
TFM-1MH+

Typical Performance Curves

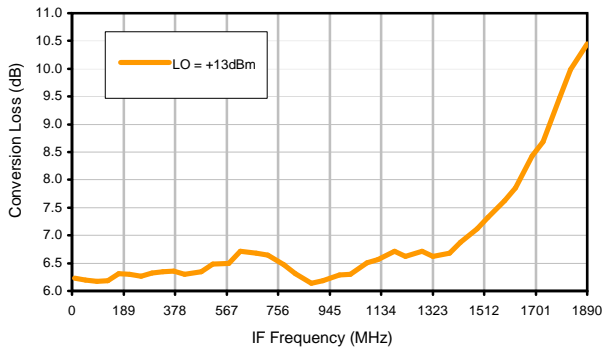
Conversion Loss @ IF=30MHz



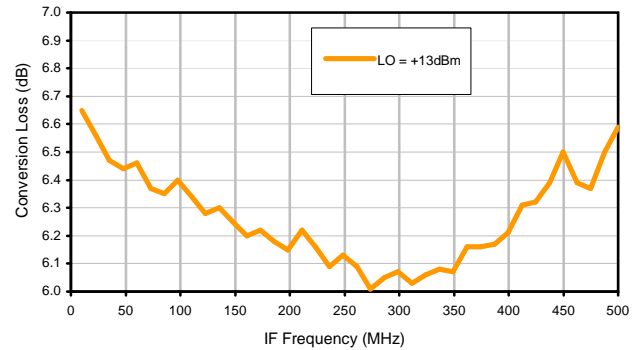
Conversion Loss vs. IF @ RF=260.1MHz



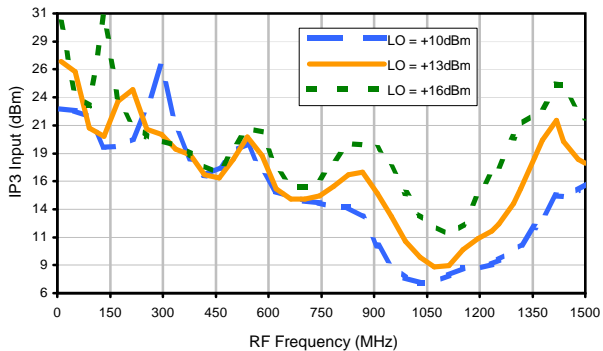
Conversion Loss vs. IF @ RF=10.1MHz



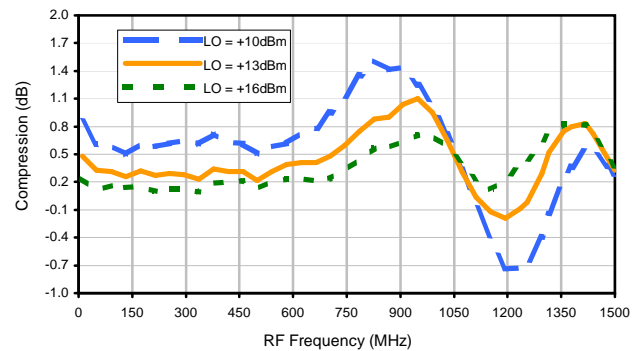
Conversion Loss vs. IF @ RF=510.1MHz



IP3 Input



Compression @ RF IN=+9dBm



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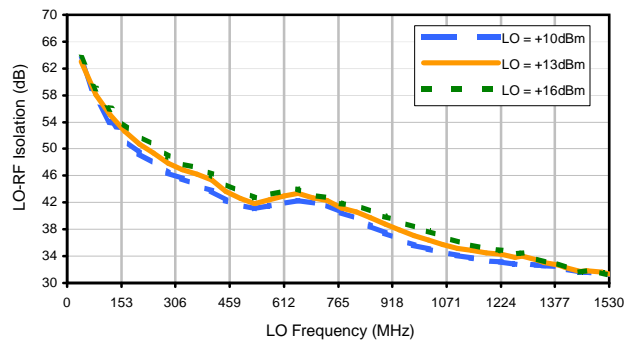


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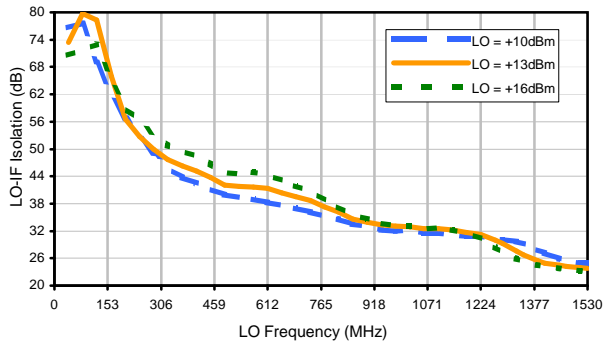


Typical Performance Curves

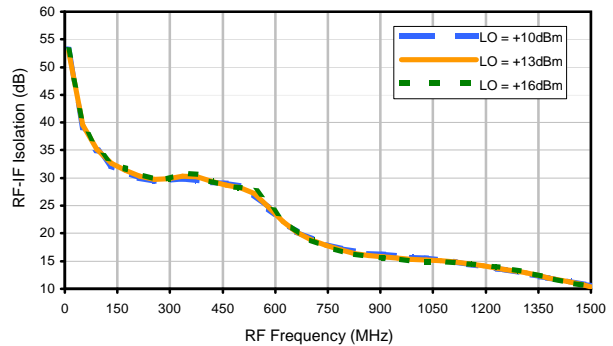
LO-RF Isolation



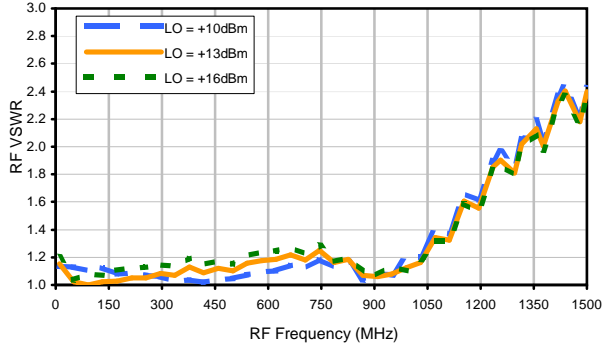
LO-IF Isolation



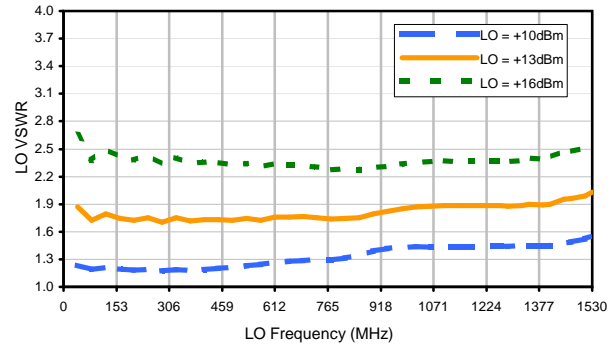
RF-IF Isolation



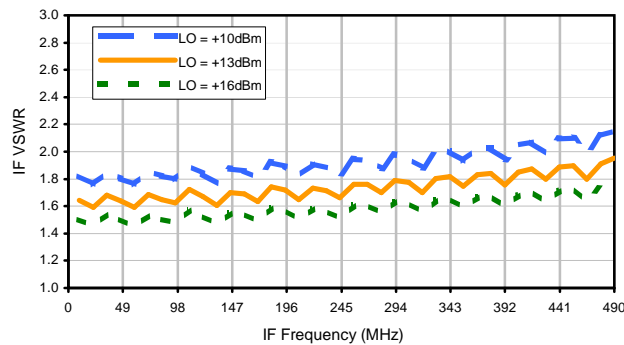
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	25	32	27	43	28	35	36	60	41	61
1	-	24	+0	34	14	36	22	44	32	38	29	42
2	78	69	52	72	52	70	55	71	55	69	59	69
3	>90	64	57	68	53	70	47	72	47	61	43	65
4	>90	>78	75	>78	73	>78	77	>78	>78	>78	>78	>78
5	>90	>78	75	>78	72	>78	65	>78	64	>78	63	>78
6	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
7	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
8	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
9	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
10	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250 MHz; -6.00 dBm.
 LO IN: 280 MHz; +13.00 dBm
 IF OUT: 30 MHz; -12.37 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	37	43	40	56	44	53	54	62	54	67
1	-	24	+0	35	13	38	22	43	33	44	41	53
2	58	57	54	78	55	69	57	64	52	56	55	80
3	84	52	43	57	50	58	48	53	50	57	43	51
4	>90	74	63	78	62	84	62	80	63	80	63	79
5	>90	63	64	67	60	67	53	65	48	67	47	63
6	>90	79	73	82	71	82	70	85	72	84	72	81
7	>90	80	65	78	63	74	74	73	60	74	59	79
8	>90	87	77	86	80	>88	80	>88	81	>88	>88	>88
9	>90	87	79	84	73	86	72	82	68	79	64	83
10	>90	>88	>88	>88	>88	87	84	>88	87	>88	>88	>88
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250 MHz; 4.00 dBm.
 LO IN: 280 MHz; +13.00 dBm
 IF OUT: 30 MHz; -2.44 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.