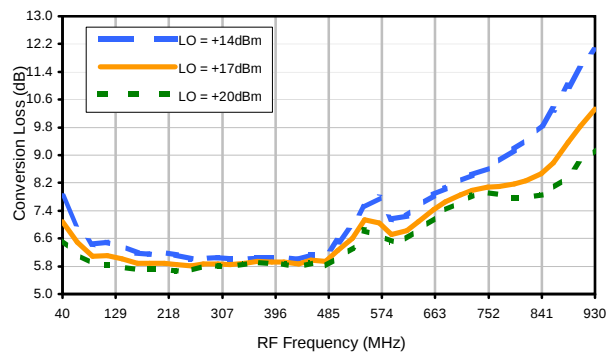
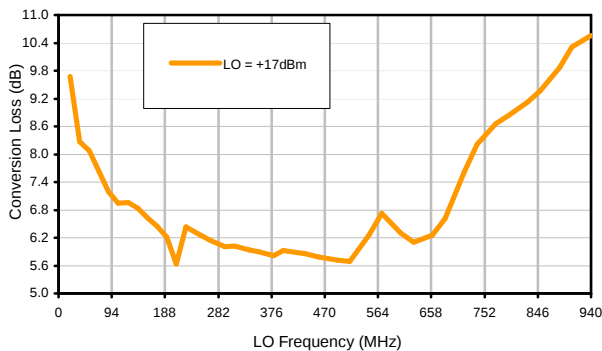


Typical Performance Curves

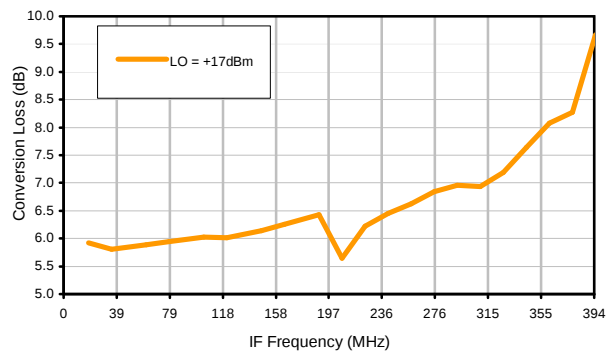
Conversion Loss @ IF=21.4MHz



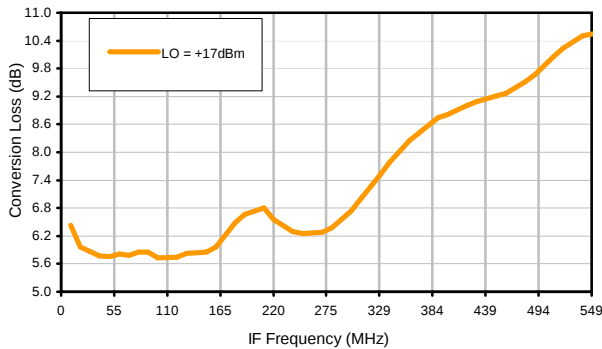
Conversion Loss vs. LO @ RF=415MHz



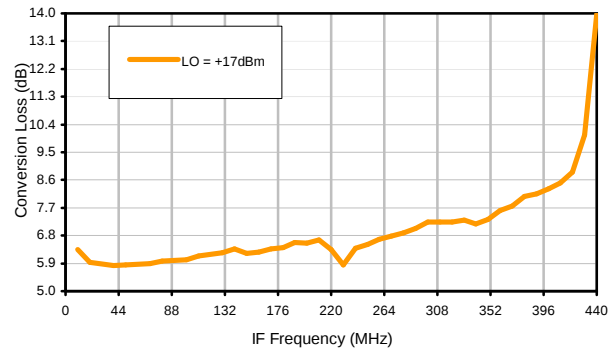
Conversion Loss vs. IF @ RF=415MHz



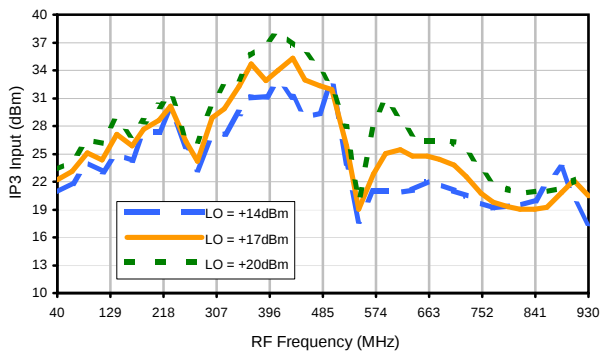
Conversion Loss vs. IF @ RF=380.1MHz



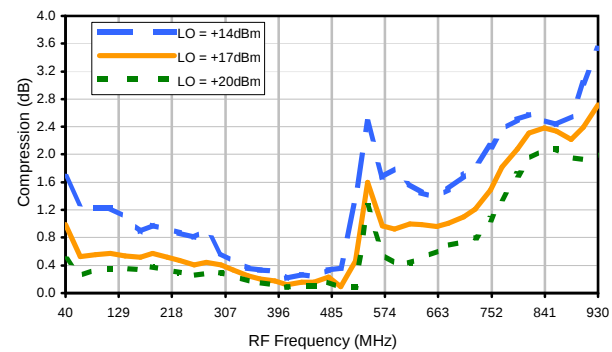
Conversion Loss vs. IF @ RF=450.1MHz



IP3 Input

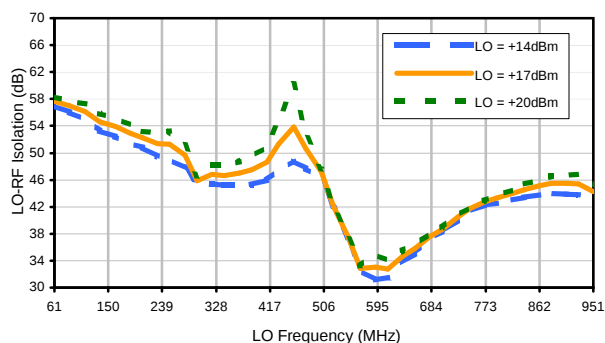


Compression @ RF IN=+18dBm

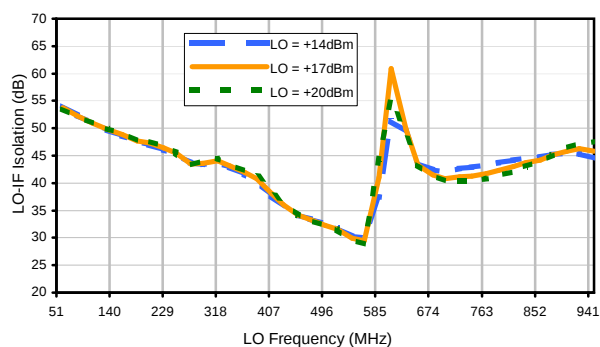


Typical Performance Curves

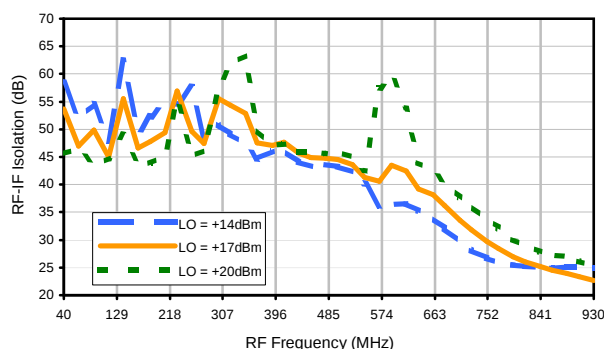
LO-RF Isolation



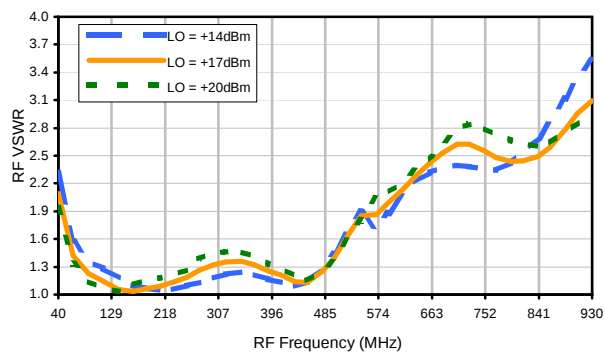
LO-IF Isolation



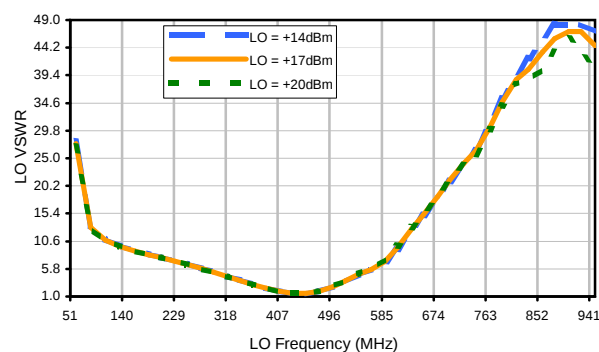
RF-IF Isolation



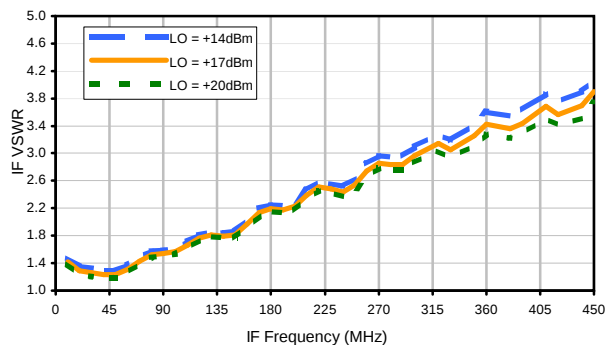
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	25	39	41	45	50	50	56	56	60
1	-	44	+0	48	11	49	37	56	39	61	44	53
2	63	57	56	54	51	57	67	72	71	80	68	73
3	>90	79	67	75	69	69	66	76	69	80	68	79
4	>90	>87	>87	>87	>87	>87	84	>87	>87	>87	>87	>87
5	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
6	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
7	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
8	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
9	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
10	>90	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 415 MHz; 3.00 dBm.

LO IN: 436.4 MHz; +17.00 dBm

IF OUT: 21.4 MHz; -3.31 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	29	34	45	54	55	58	53	69	60	63
1	-	44	+0	44	11	58	36	65	44	63	43	59
2	43	46	50	47	47	50	62	69	71	72	70	69
3	71	66	45	64	46	65	44	67	60	75	54	74
4	>90	83	92	71	70	66	65	68	81	81	78	80
5	>90	87	76	76	68	73	74	70	65	77	72	85
6	>90	>97	96	91	88	77	89	75	80	78	82	93
7	>90	>97	87	>97	84	89	85	85	80	79	88	87
8	>90	>97	>97	>97	>97	>97	95	89	90	88	87	88
9	>90	>97	>97	>97	>97	>97	93	92	88	>97	84	89
10	>90	>97	>97	>97	>97	>97	>97	>97	>97	>97	>97	>97
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 415 MHz; 13.00 dBm.

LO IN: 436.4 MHz; +17.00 dBm

IF OUT: 21.4 MHz; 6.64 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.

REV. X2

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Page 3 of 3



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