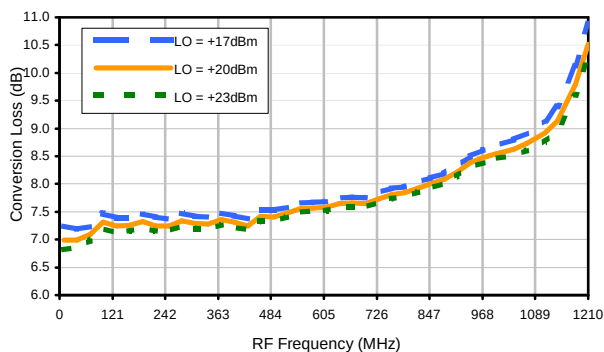


Frequency Mixer

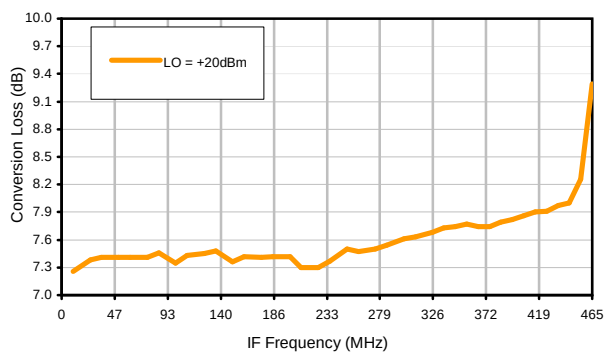
LAVI-ED12344A

Typical Performance Curves

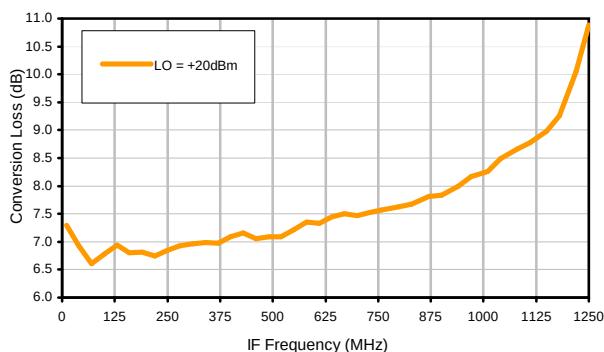
Conversion Loss @ IF=30MHz



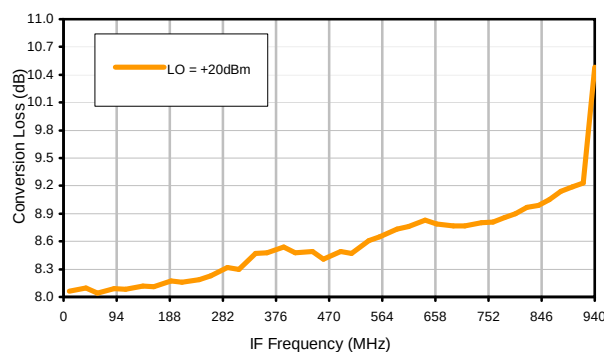
Conversion Loss vs. IF @ RF=475.1MHz



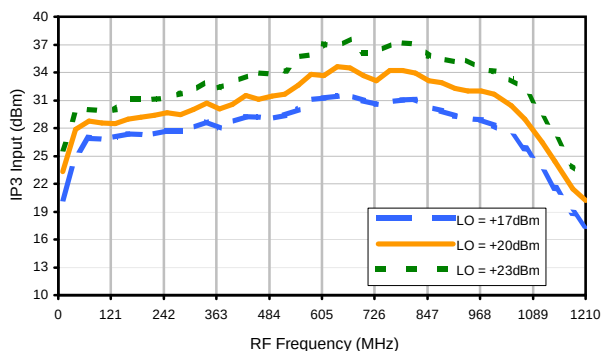
Conversion Loss vs. IF @ RF=10.1MHz



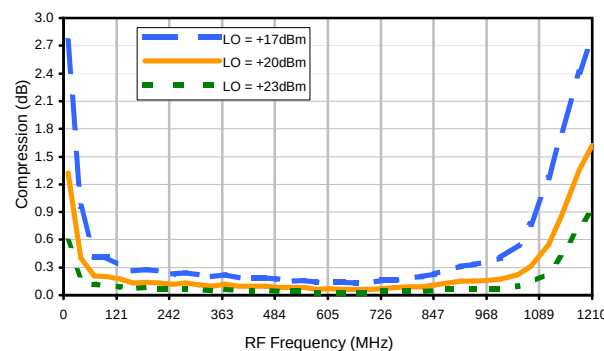
Conversion Loss vs. IF @ RF=950.1MHz



IP3 Input

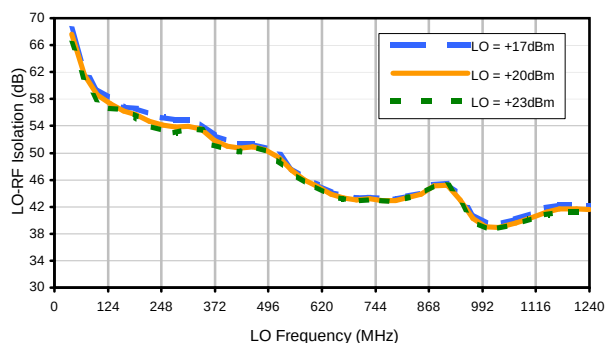


Compression @ RF IN=+15dBm

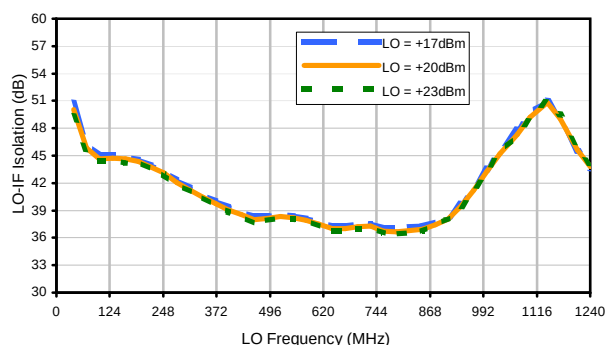


Typical Performance Curves

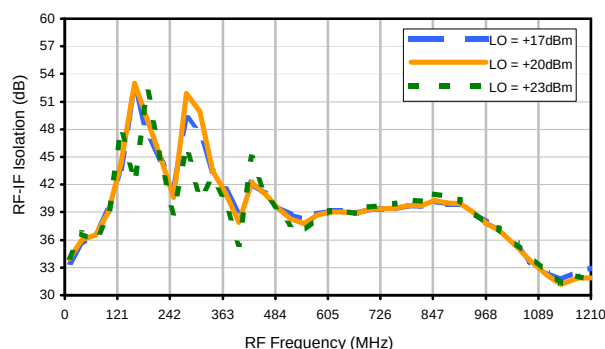
LO-RF Isolation



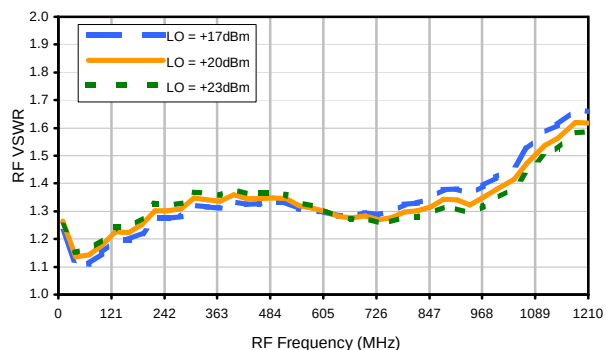
LO-IF Isolation



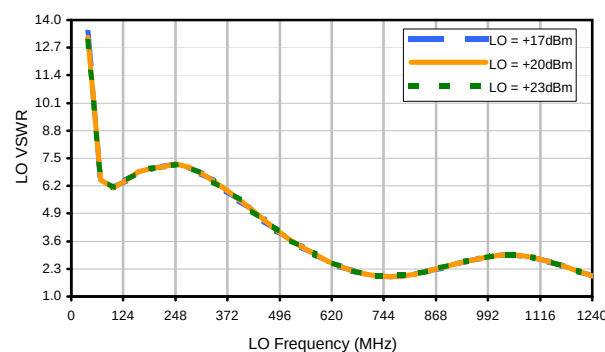
RF-IF Isolation



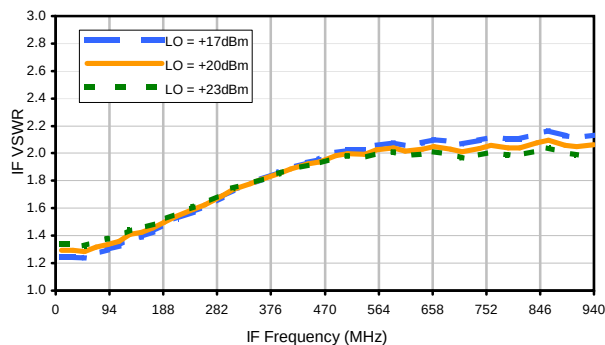
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	18	12	22	36	37	35	36	37	53
1	-	33	+0	41	12	41	20	44	30	47	50	44
2	74	64	64	82	71	65	66	60	65	62	66	63
3	>100	91	75	>93	72	92	74	92	75	91	81	>93
4	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
5	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
6	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
7	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
8	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
10	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 480 MHz; 0.00 dBm.
LO IN: 510 MHz; +20.00 dBm
IF OUT: 30 MHz; -7.45 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	21	27	22	30	43	44	50	47	48	69
1	-	33	+0	41	12	41	21	44	31	47	47	45
2	54	55	54	72	61	55	56	50	55	51	56	53
3	88	77	54	76	52	73	53	72	55	72	60	73
4	>100	98	91	90	87	86	84	84	87	82	85	82
5	>100	>103	84	>103	84	100	83	96	85	94	85	94
6	>100	>103	>103	>103	>103	>103	>103	>103	>103	>103	>103	>103
7	>100	>103	>103	>103	102	>103	>103	>103	100	>103	102	>103
8	>100	>103	>103	>103	>103	>103	>103	>103	>103	>103	>103	>103
9	>100	>103	>103	>103	>103	>103	>103	>103	101	>103	100	>103
10	>100	>103	>103	>103	>103	>103	>103	>103	101	>103	100	>103
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 480 MHz; 10.00 dBm.
LO IN: 510 MHz; +20.00 dBm
IF OUT: 30 MHz; 2.52 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.