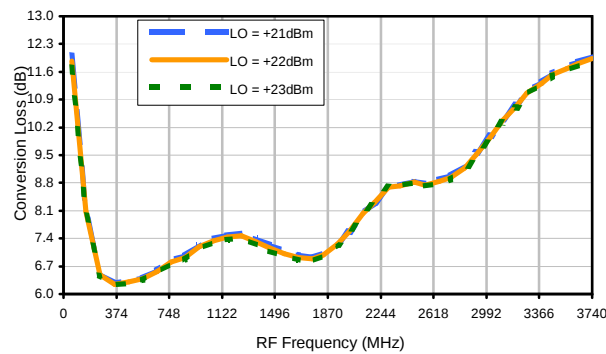


Frequency Mixer

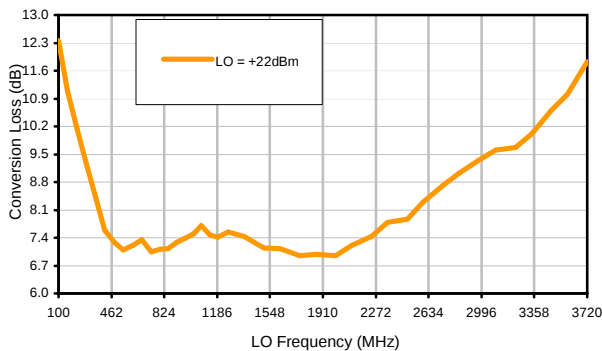
LAVI-ED13119/2

Typical Performance Curves

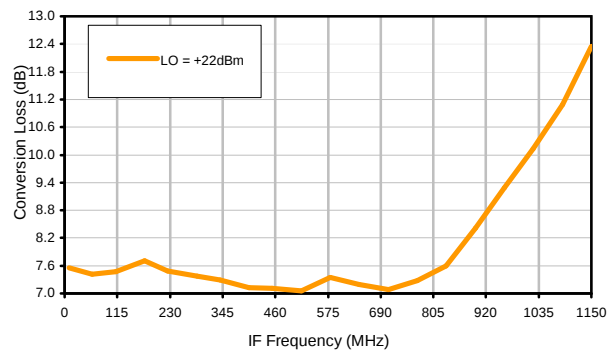
Conversion Loss @ IF=80MHz



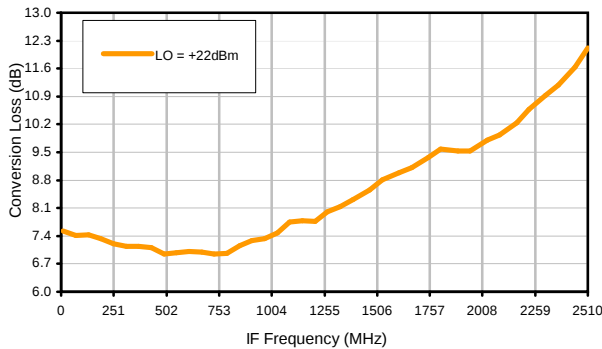
Conversion Loss vs. LO @ RF=1250.1MHz



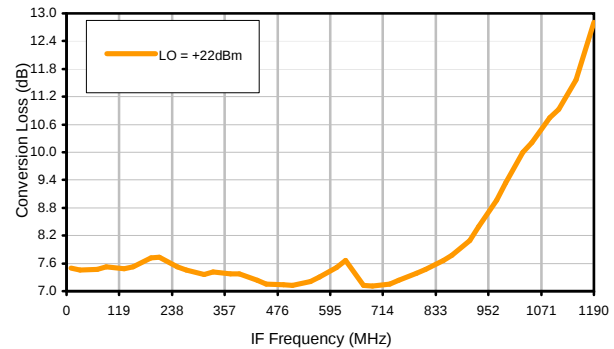
Conversion Loss vs. IF @ RF=1250.1MHz



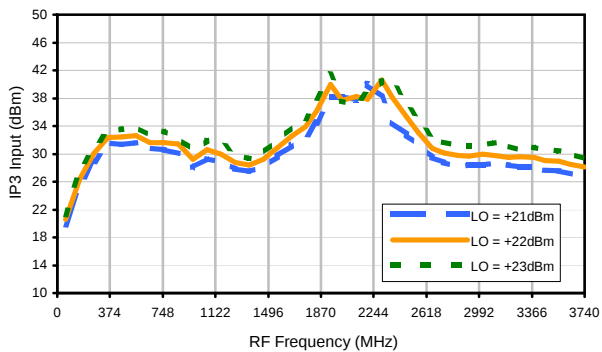
Conversion Loss vs. IF @ RF=1218.1MHz



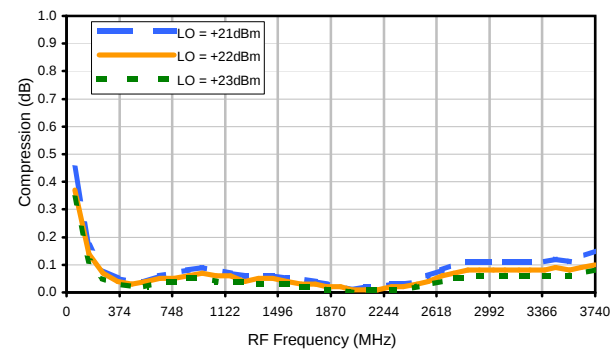
Conversion Loss vs. IF @ RF=1282.1MHz



IP3 Input

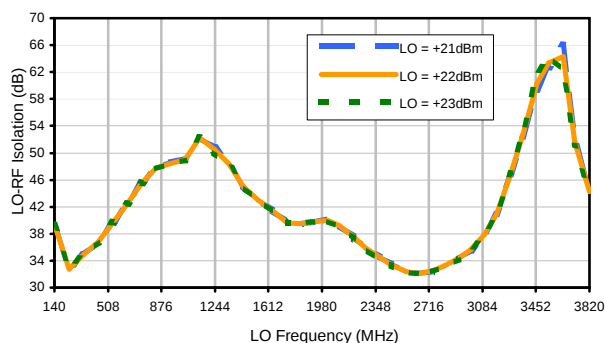


Compression @ RF IN=+10dBm

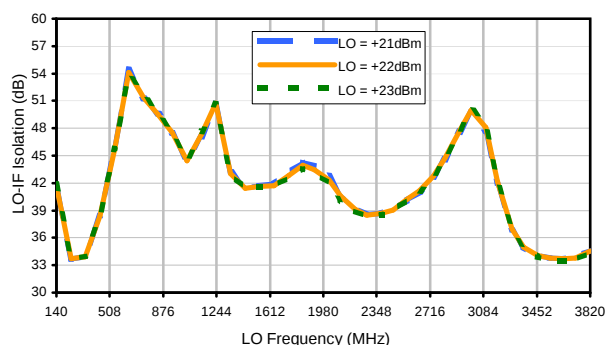


Typical Performance Curves

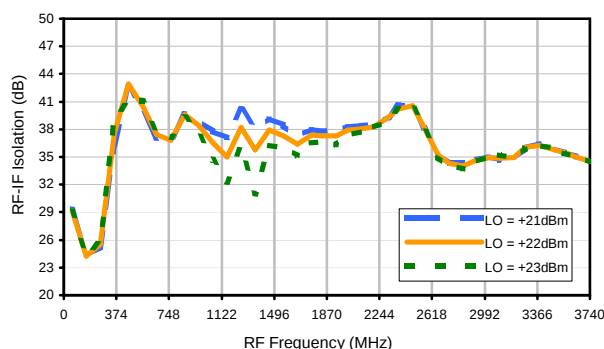
LO-RF Isolation



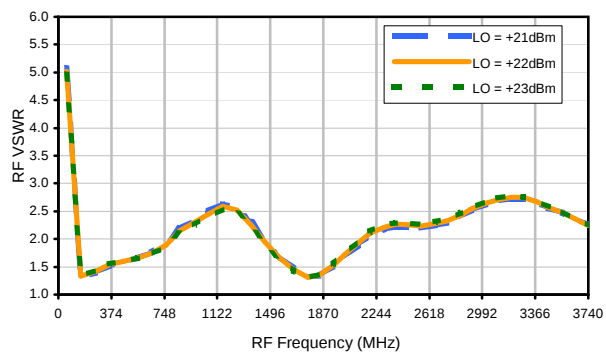
LO-IF Isolation



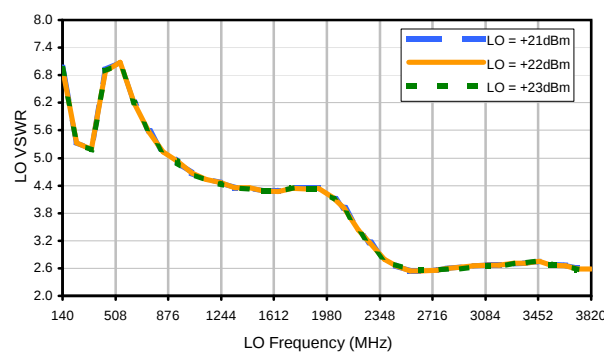
RF-IF Isolation



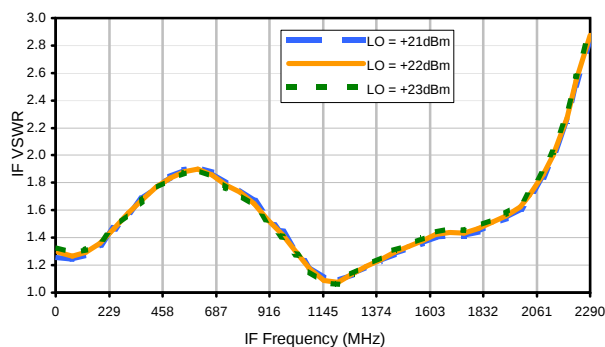
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+0	4	9	10	23	21	35	33	30	39
1	-	36	+0	47	16	49	25	51	44	51	56	47
2	>100	>79	69	77	67	69	>79	67	>79	>79	>79	>79
3	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
4	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
5	>100	>79	>79	>79	>79	78	>79	78	>79	>79	>79	>79
6	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1250 MHz; -14.00 dBm.
LO IN: 1330 MHz; +22.00 dBm
IF OUT: 80 MHz; -21.44 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	10	14	19	20	33	31	45	43	40	50
1	-	36	+0	46	16	49	25	50	44	51	56	47
2	84	71	72	67	80	59	80	57	81	78	81	74
3	>100	>89	79	>89	77	>89	81	>89	81	>89	>89	>89
4	>100	>89	>89	>89	>89	>89	88	>89	>89	>89	>89	>89
5	>100	>89	>89	>89	>89	86	>89	>89	>89	>89	>89	>89
6	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
7	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
8	>100	>89	>89	>89	>89	>89	>89	>89	87	>89	>89	>89
9	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1250 MHz; -4.00 dBm.
LO IN: 1330 MHz; +22.00 dBm
IF OUT: 80 MHz; -11.44 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.