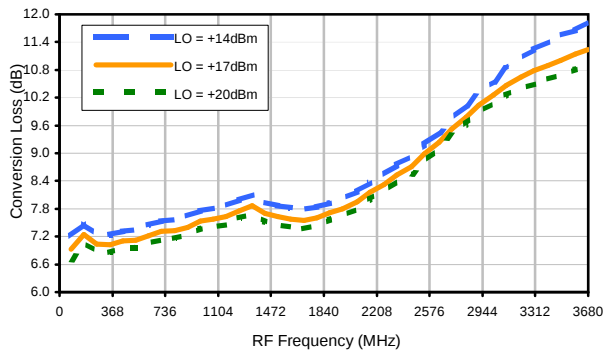


Frequency Mixer

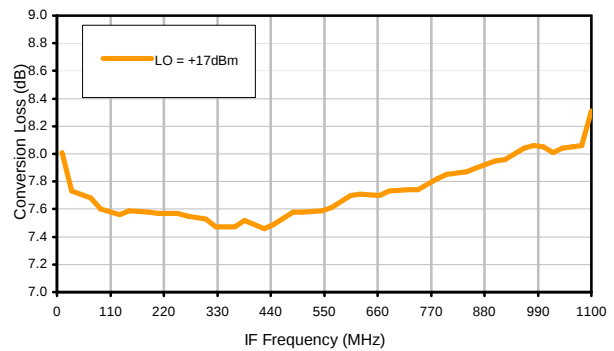
LAVI-ED12678A/1

Typical Performance Curves

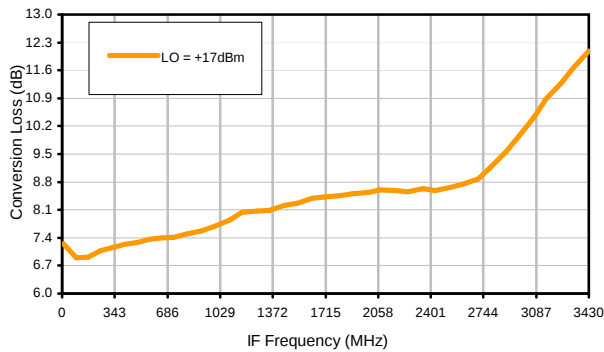
Conversion Loss @ IF=70MHz



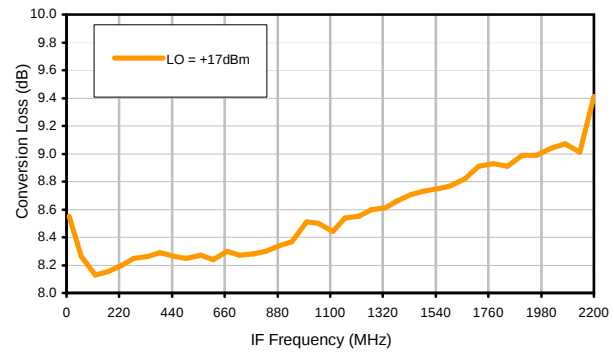
Conversion Loss vs. IF @ RF=1110.1MHz



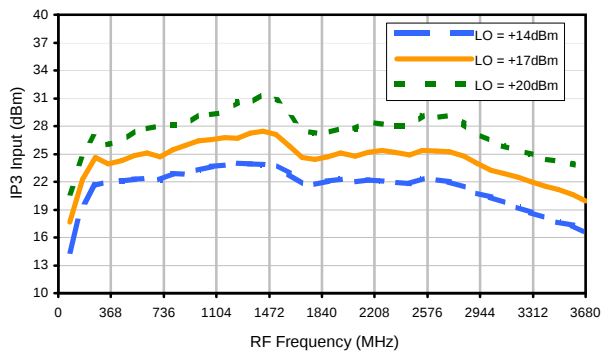
Conversion Loss vs. IF @ RF=80MHz



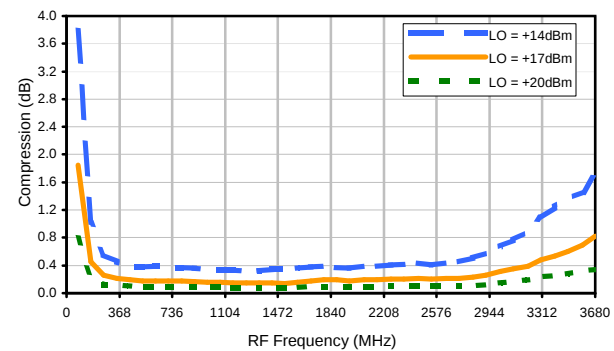
Conversion Loss vs. IF @ RF=2210.1001MHz



IP3 Input



Compression @ RF IN=+10dBm

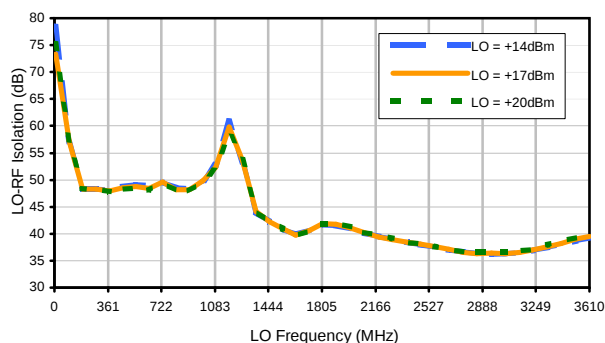


Frequency Mixer

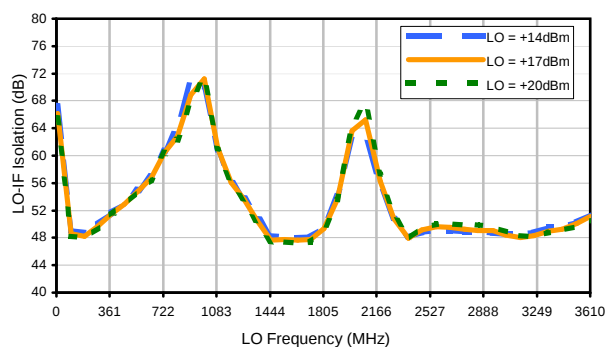
LAVI-ED12678A/1

Typical Performance Curves

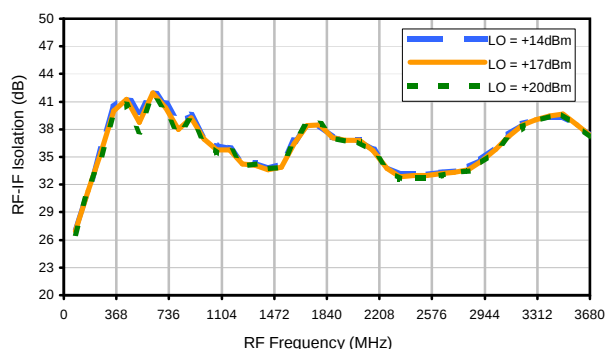
LO-RF Isolation



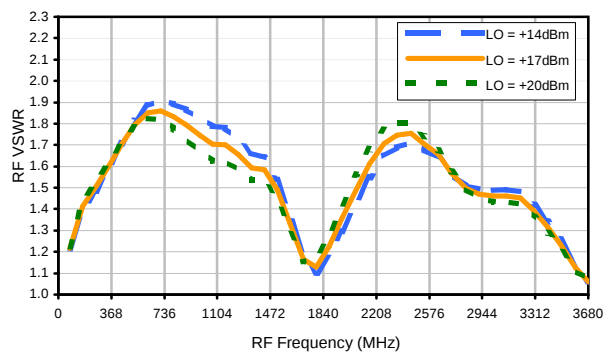
LO-IF Isolation



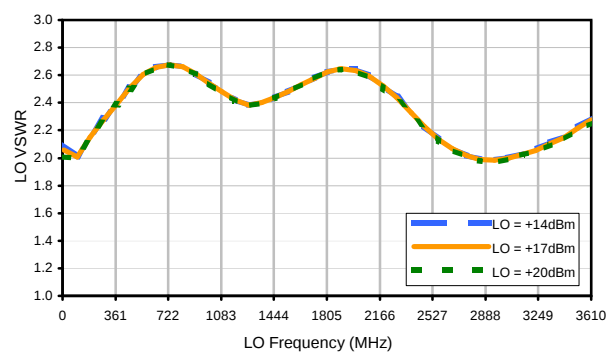
RF-IF Isolation



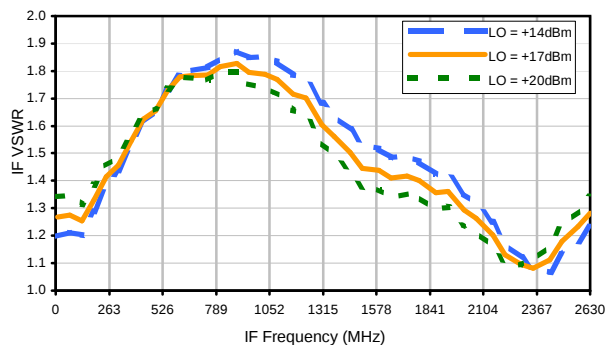
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	33	24	29	34	45	53	57	43	50	60
1	-	28	+0	36	13	37	30	43	41	59	43	61
2	73	62	71	58	67	59	>77	60	>77	67	>77	73
3	>90	>77	77	>77	70	>77	72	>77	>77	>77	>77	>77
4	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
5	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
6	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
7	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
8	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
9	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
10	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 1140 MHz; -5.00 dBm.
LO IN: 1070 MHz; +17.00 dBm
IF OUT: 70 MHz; -12.63 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	33	34	37	46	54	70	68	53	61	67
1	-	28	+0	37	13	38	31	44	40	60	42	62
2	53	53	60	48	59	49	69	50	70	57	74	64
3	82	75	57	75	50	67	50	67	61	75	73	>87
4	>90	>87	>87	>87	>87	87	>87	>87	>87	83	>87	85
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: 1140 MHz; 5.00 dBm.
LO IN: 1070 MHz; +17.00 dBm
IF OUT: 70 MHz; -2.68 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.