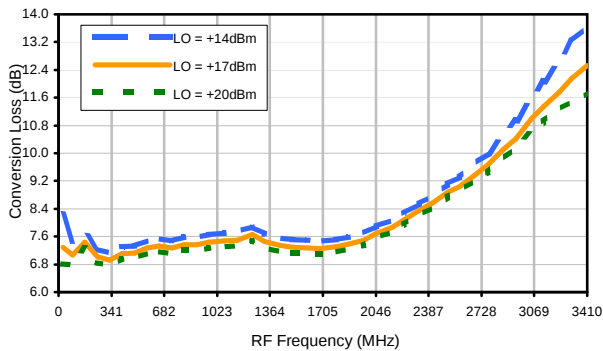


Frequency Mixer

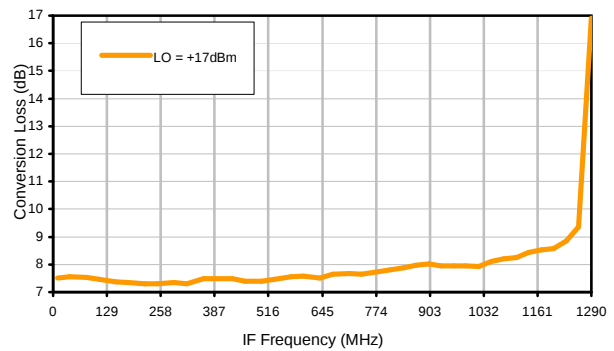
LAVI-ED12678/1

Typical Performance Curves

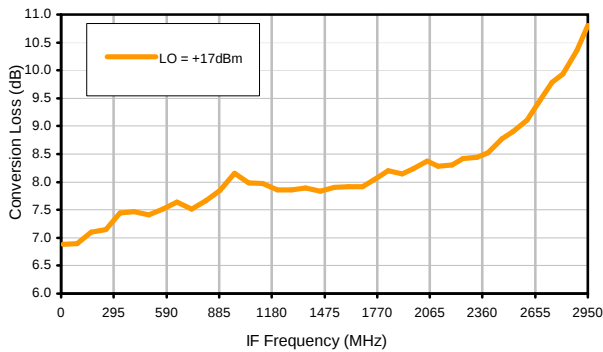
Conversion Loss @ IF=30MHz



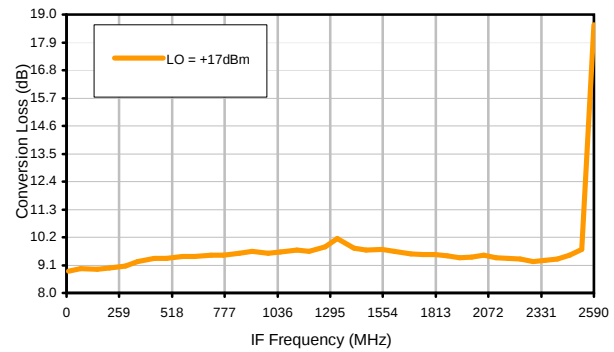
Conversion Loss vs. IF @ RF=1300.1MHz



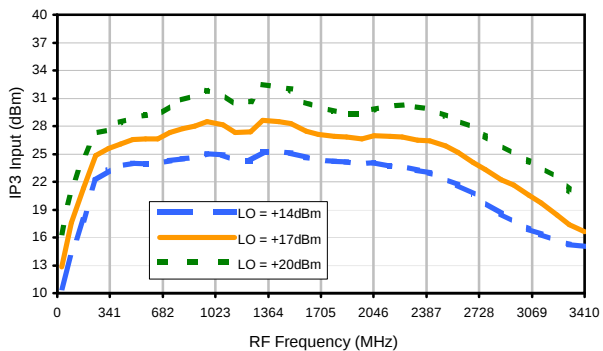
Conversion Loss vs. IF @ RF=300.1MHz



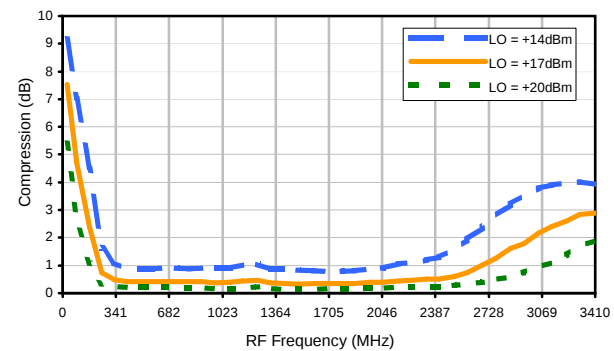
Conversion Loss vs. IF @ RF=2600.1001MHz



IP3 Input

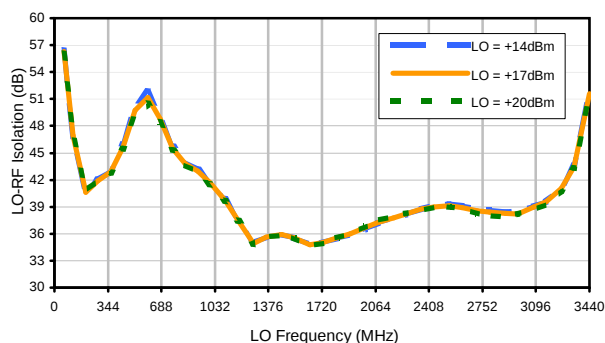


Compression @ RF IN=+15dBm

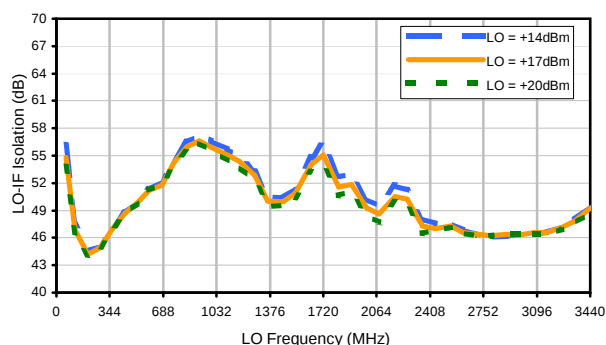


Typical Performance Curves

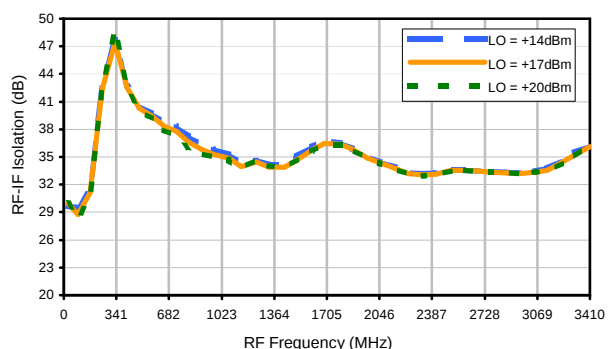
LO-RF Isolation



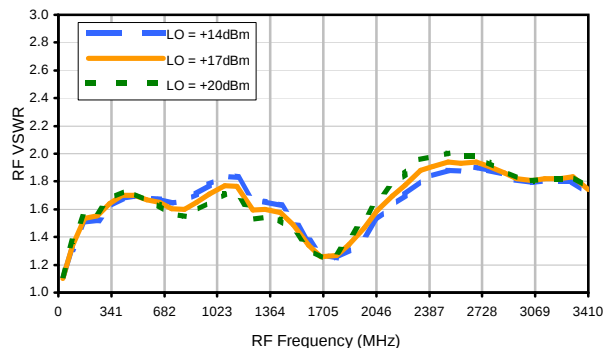
LO-IF Isolation



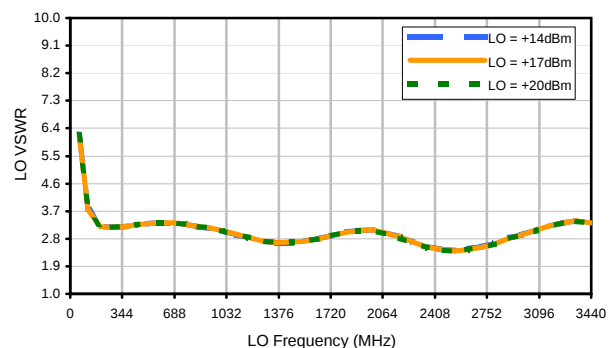
RF-IF Isolation



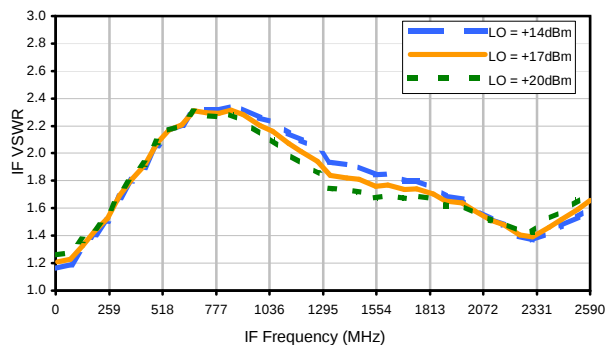
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	28	21	38	29	44	53	42	50	52	71
1	-	26	+0	34	14	38	36	42	41	46	42	48
2	64	54	70	57	63	54	66	54	68	63	75	73
3	>90	>83	71	>83	64	>83	66	>83	77	>83	79	>83
4	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
5	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1450 MHz; 0.00 dBm.
LO IN: 1480 MHz; +17.00 dBm
IF OUT: 30 MHz; -7.45 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	37	29	48	38	54	46	54	54	59	86
1	-	26	+0	35	15	38	41	43	41	49	42	54
2	44	44	59	47	54	45	59	47	61	57	69	64
3	>90	66	50	66	43	66	44	63	56	64	58	65
4	>90	87	89	83	86	82	76	67	78	63	79	73
5	>90	>92	84	89	81	84	74	81	74	81	87	85
6	>90	>92	>92	>92	>92	>92	>92	91	91	87	>92	86
7	>90	>92	>92	>92	>92	>92	>92	>92	89	>92	89	>92
8	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
9	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1450 MHz; 10.00 dBm.
LO IN: 1480 MHz; +17.00 dBm
IF OUT: 30 MHz; 2.48 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.