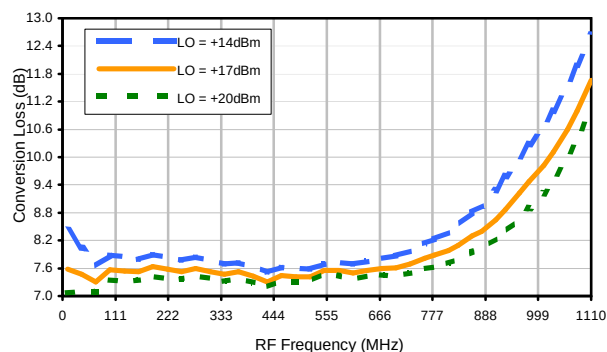


Frequency Mixer

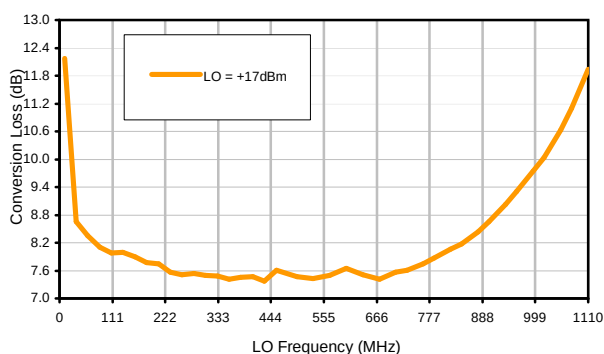
LAVI-711H+

Typical Performance Curves

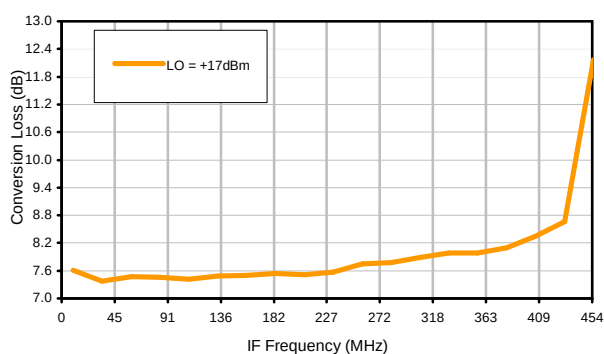
Conversion Loss @ IF=30MHz



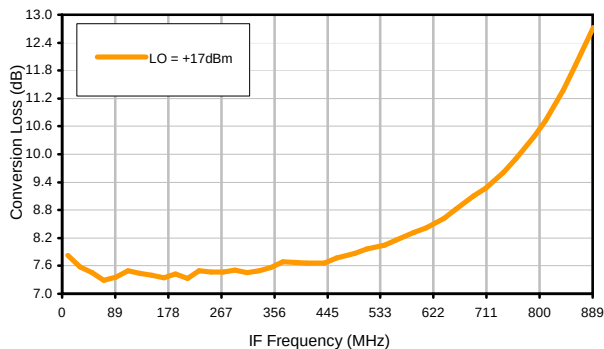
Conversion Loss vs. LO @ RF=465MHz



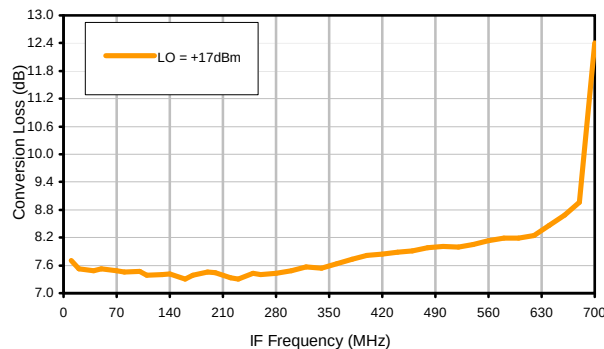
Conversion Loss vs. IF @ RF=465MHz



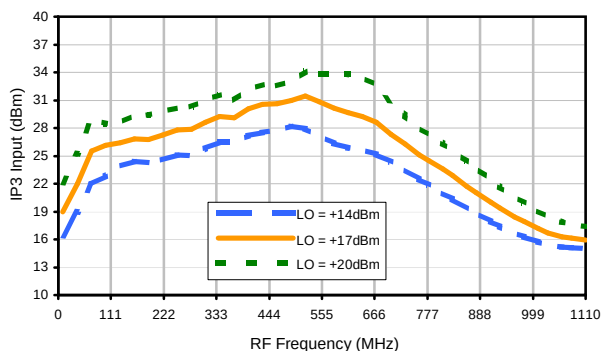
Conversion Loss vs. IF @ RF=220.1MHz



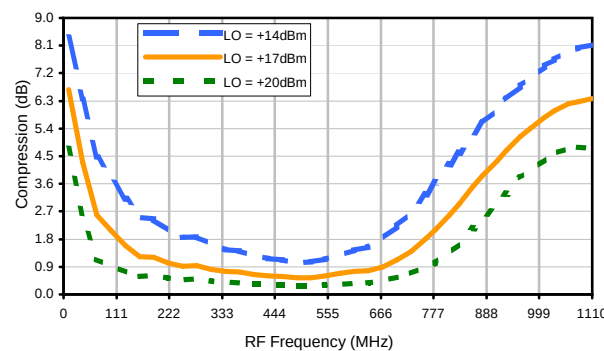
Conversion Loss vs. IF @ RF=710.1MHz



IP3 Input

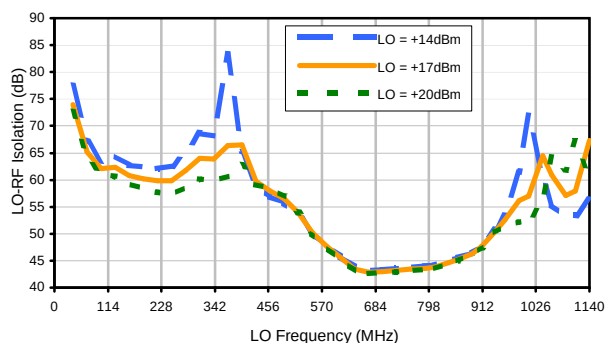


Compression @ RF IN=+20dBm

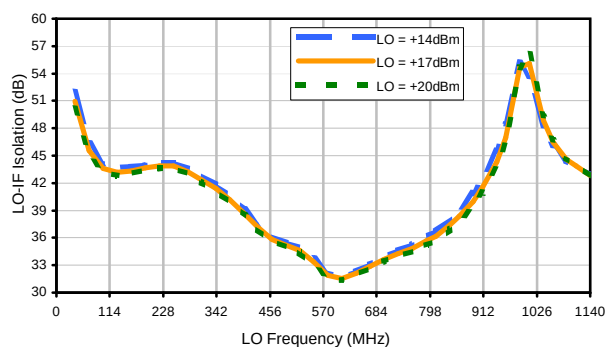


Typical Performance Curves

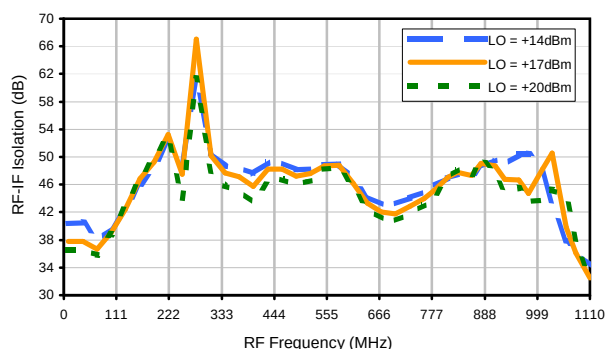
LO-RF Isolation



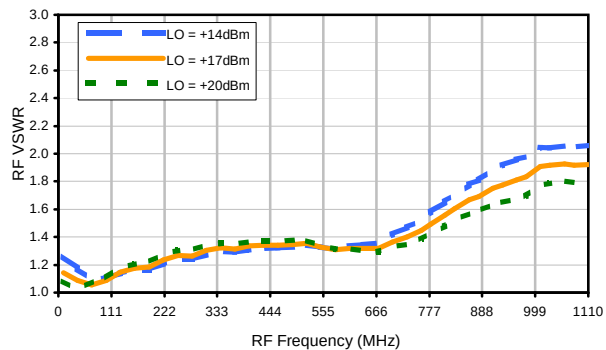
LO-IF Isolation



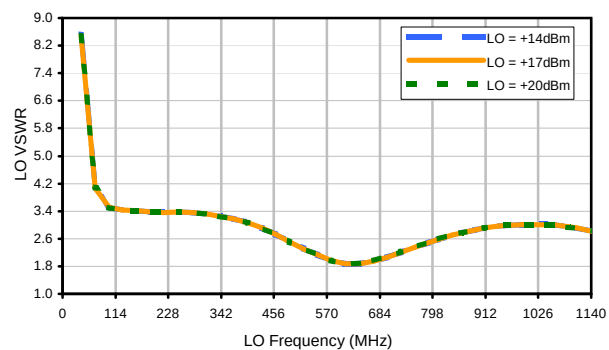
RF-IF Isolation



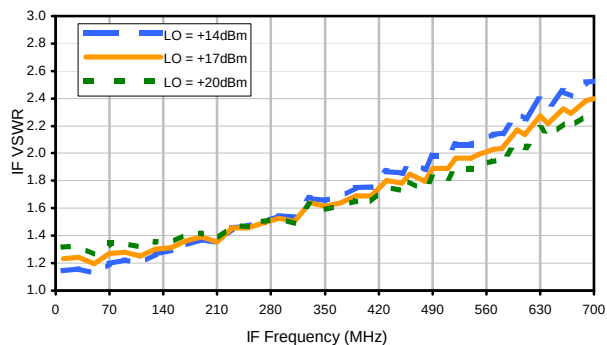
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	23	16	29	29	42	37	46	43	50
1	-	41	+0	37	12	42	19	52	26	46	40	46
2	55	57	51	59	54	61	58	57	62	57	60	57
3	83	>88	58	83	56	80	56	78	57	80	61	78
4	>90	>88	>88	>88	>88	>88	85	>88	83	>88	86	>88
5	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
6	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
7	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
8	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
9	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
10	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 465 MHz; 5.00 dBm.
LO IN: 495 MHz; +17.00 dBm
IF OUT: 30 MHz; -2.5 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	23	31	29	34	41	45	47	57	52	56
1	-	40	+0	38	13	45	21	54	32	51	46	51
2	35	49	39	53	43	56	53	48	55	47	55	49
3	54	65	39	64	36	62	37	65	39	72	45	65
4	75	70	63	65	60	63	57	62	59	61	63	60
5	>90	83	67	76	66	71	60	69	58	71	58	74
6	>90	85	83	83	84	87	78	80	72	74	69	71
7	>90	90	82	91	84	95	86	85	80	80	76	81
8	>90	92	88	91	84	88	87	88	93	95	89	>97
9	>90	>97	94	95	93	92	92	90	96	95	94	96
10	>90	>97	>97	>97	96	>97	93	94	92	92	93	93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 465 MHz; 15.00 dBm.
LO IN: 495 MHz; +17.00 dBm
IF OUT: 30 MHz; 7.33 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.