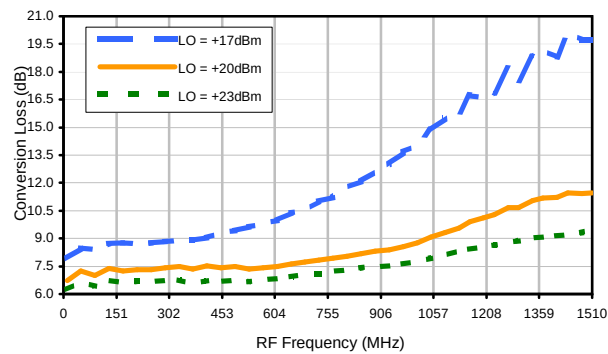
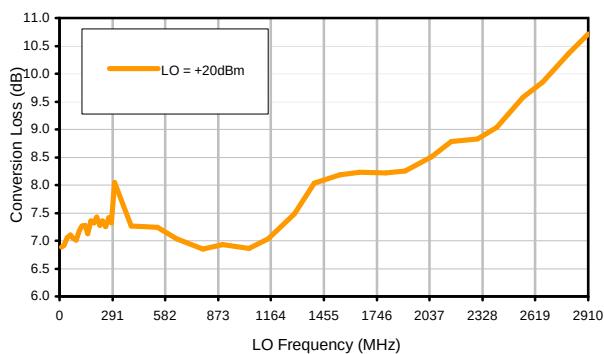


Typical Performance Curves

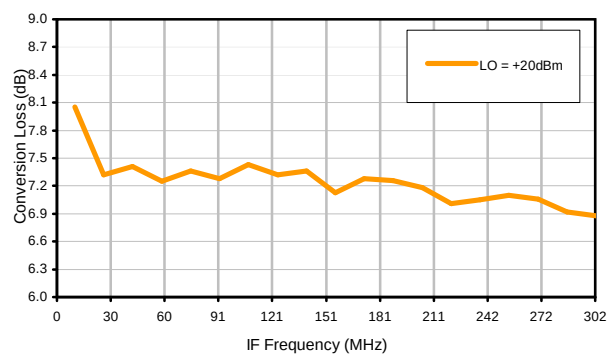
Conversion Loss @ IF=140MHz



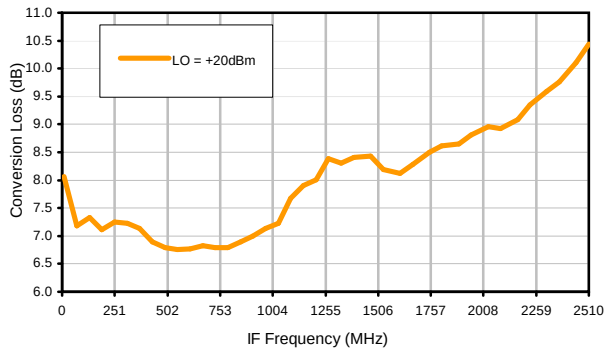
Conversion Loss vs. LO @ RF=312.5MHz



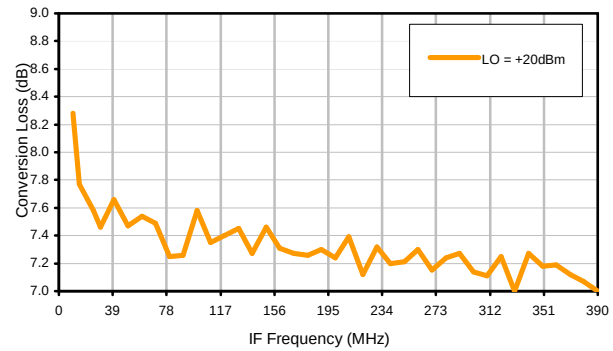
Conversion Loss vs. IF @ RF=312.5MHz



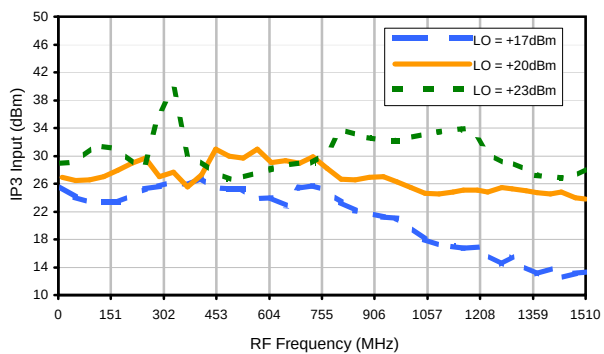
Conversion Loss vs. IF @ RF=225.1MHz



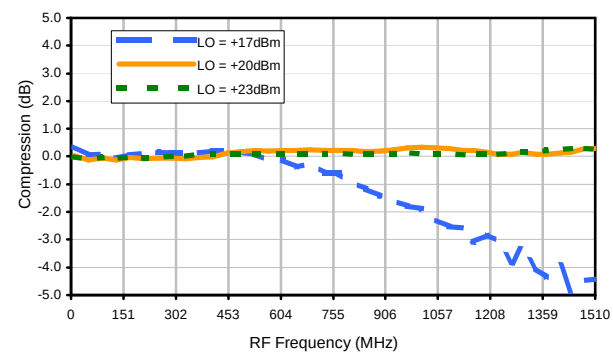
Conversion Loss vs. IF @ RF=400.1MHz



IP3 Input

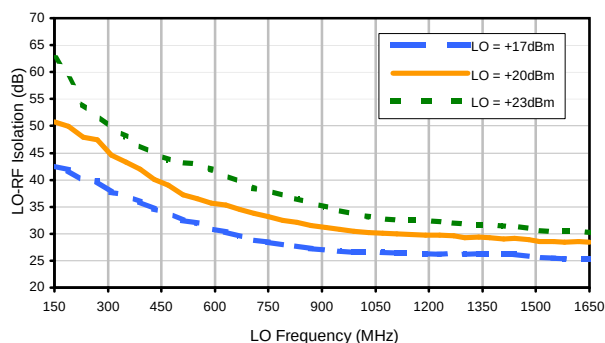


Compression @ RF IN=+16dBm

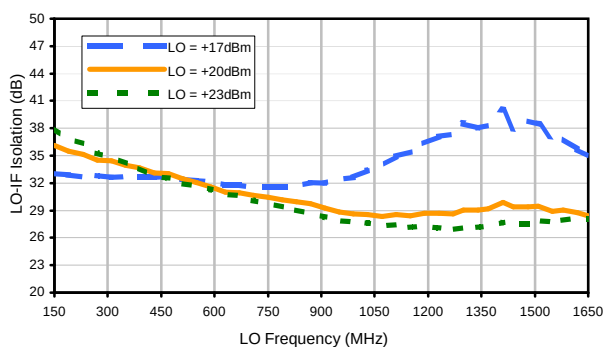


Typical Performance Curves

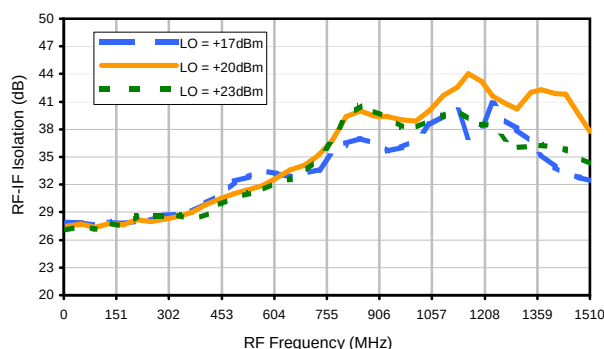
LO-RF Isolation



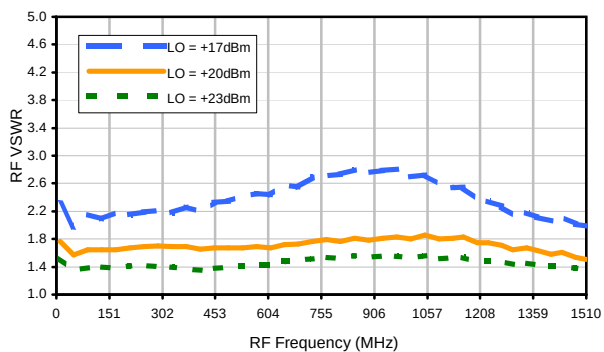
LO-IF Isolation



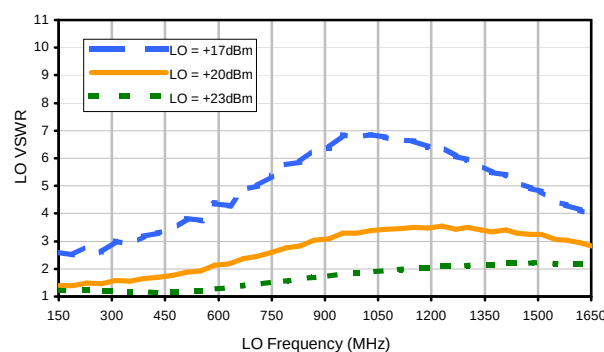
RF-IF Isolation



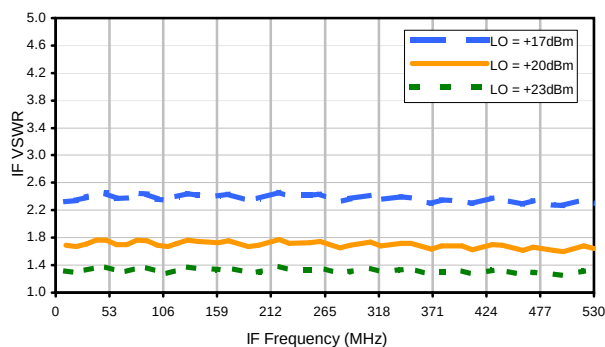
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	13	25	24	22	29	29	40	25	47
1	-	21	+0	44	20	49	16	41	19	45	27	47
2	68	65	53	58	54	52	75	52	56	59	54	60
3	>90	68	68	69	54	68	48	65	51	58	63	62
4	>90	>84	72	81	76	73	73	71	68	65	67	70
5	>90	75	>84	76	>84	77	>84	75	83	74	78	76
6	>90	>84	>84	>84	>84	>84	>84	>84	>84	83	82	81
7	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
8	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
9	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
10	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 312.5 MHz; 1.00 dBm.
LO IN: 452.5 MHz; +20.00 dBm
IF OUT: 140 MHz; -6.36 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	23	34	39	38	42	36	64	39	65
1	-	21	+0	42	18	47	21	48	24	52	34	59
2	48	63	53	51	62	46	47	43	49	52	64	65
3	73	54	54	62	38	68	32	61	33	56	41	60
4	>90	64	63	65	59	66	60	68	67	69	64	66
5	>90	80	61	69	57	70	52	70	51	71	93	64
6	>90	76	71	71	65	73	66	79	67	81	65	66
7	>90	78	75	81	93	76	78	76	79	85	69	71
8	>90	76	83	80	78	78	84	81	73	88	67	71
9	>90	86	77	85	88	90	81	88	77	85	74	84
10	>90	>94	88	88	80	93	82	82	79	82	75	79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 312.5 MHz; 11.00 dBm.
LO IN: 452.5 MHz; +20.00 dBm
IF OUT: 140 MHz; 3.71 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.