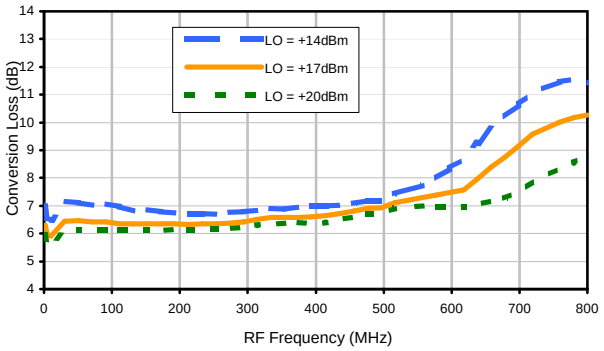
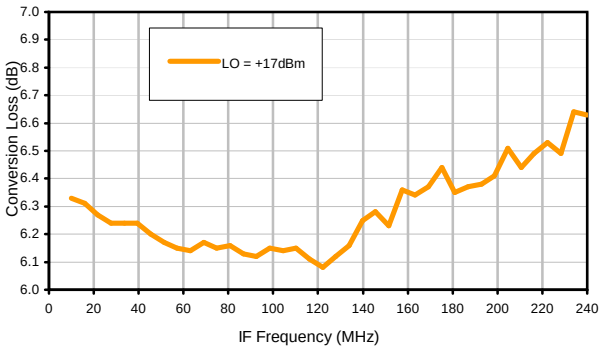
Typical Performance Curves

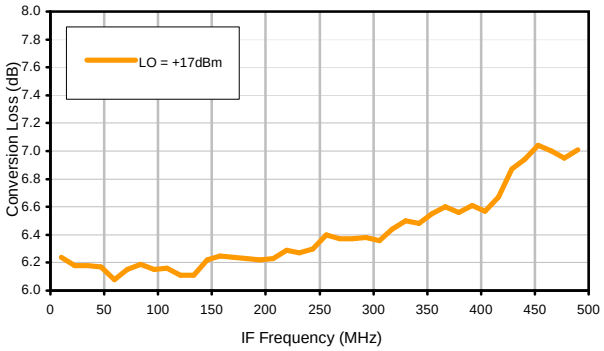
Conversion Loss @ IF=30MHz



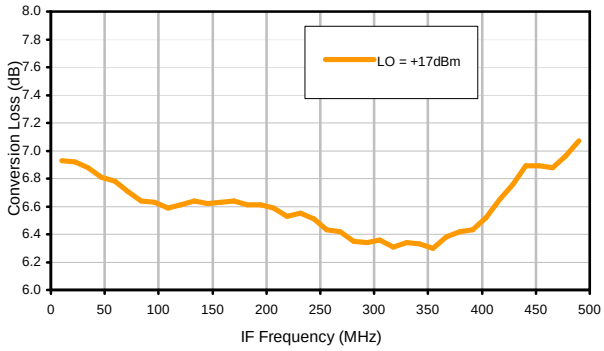
Conversion Loss vs. IF @ RF=250.1MHz



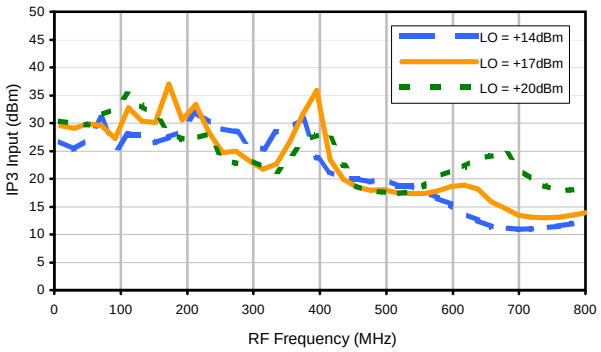
Conversion Loss vs. IF @ RF=10.1MHz



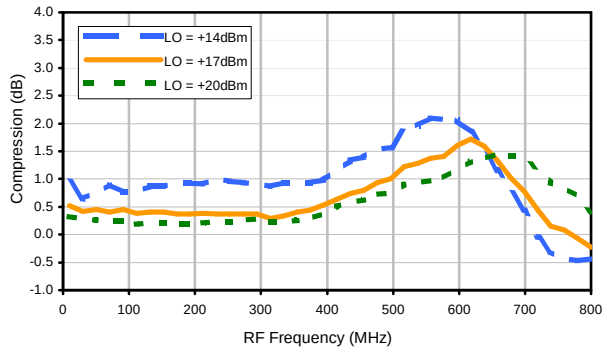
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input

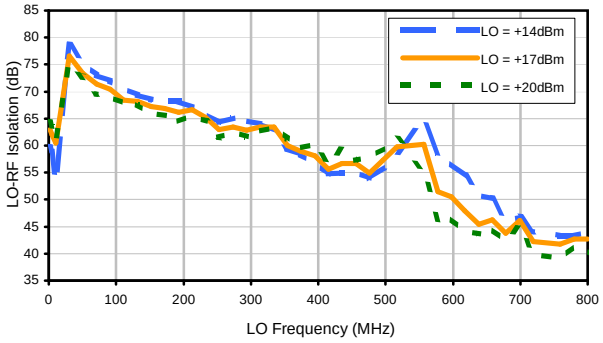


Compression @ RF IN=+14dBm

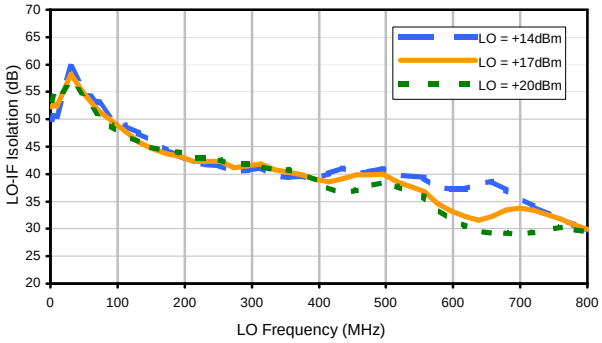


Typical Performance Curves

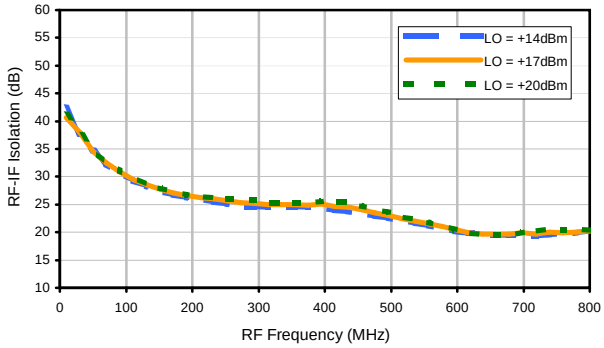
LO-RF Isolation



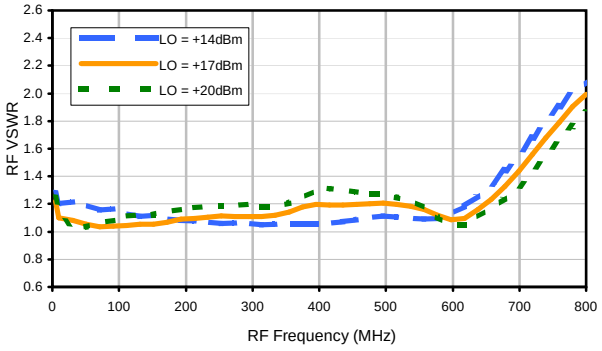
LO-IF Isolation



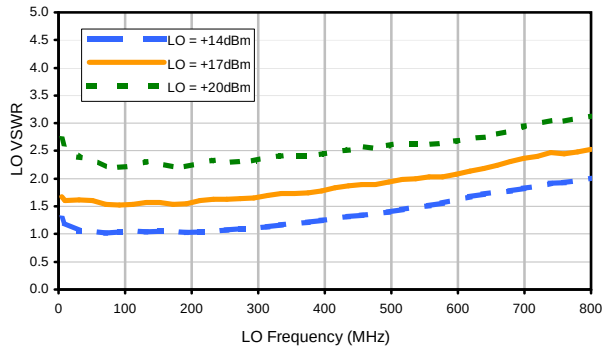
RF-IF Isolation



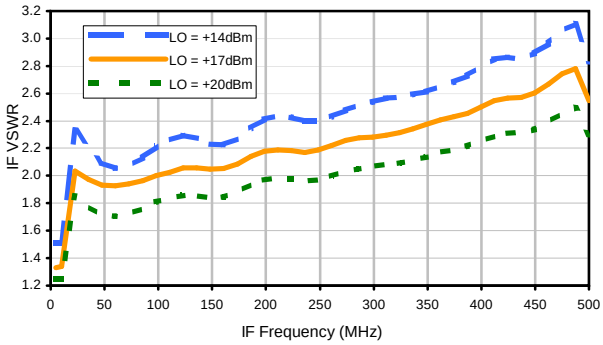
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	17	36	24	41	25	42	28	60	26	43
1	-	20	+0	32	14	43	22	36	39	45	27	58
2	97	71	54	79	54	67	53	71	52	66	56	76
3	>100	61	53	67	59	71	48	69	48	67	56	80
4	>100	85	79	91	78	>93	72	85	71	92	80	>93
5	>100	85	77	84	76	82	69	82	67	91	67	85
6	>100	>93	88	>93	87	>93	83	>93	84	>93	84	>93
7	>100	>93	93	>93	89	>93	85	90	85	>93	89	>93
8	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
10	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 250.1 MHz; -1.00 dBm.**
LO IN: 280.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -7.23 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	26	47	37	52	40	58	47	62	44	74
1	-	20	+0	33	14	56	22	39	43	51	39	62
2	78	71	51	65	53	68	52	72	47	66	51	71
3	>100	51	42	54	45	58	41	55	49	57	53	61
4	>100	80	64	88	63	80	63	75	63	75	61	76
5	>100	71	54	70	58	70	53	66	49	80	49	66
6	>100	92	71	81	70	84	73	89	71	84	70	85
7	>100	76	73	74	61	71	67	77	61	77	58	84
8	>100	96	86	100	82	90	82	89	85	96	77	89
9	>100	85	80	89	91	82	76	85	70	79	65	80
10	>100	95	102	>103	92	95	97	96	92	>103	81	103
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 250.1 MHz; 9.00 dBm.**
LO IN: 280.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; 2.71 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.