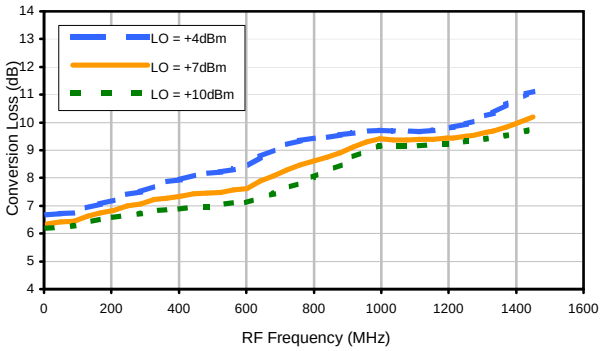
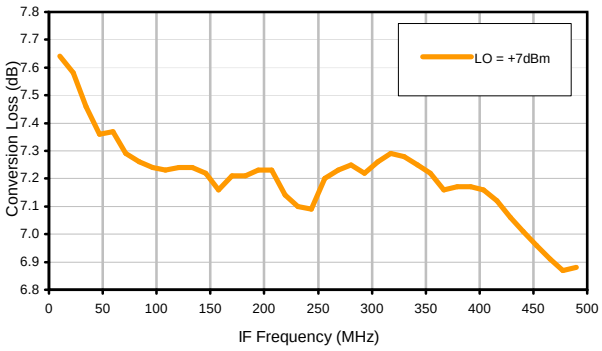
Typical Performance Curves

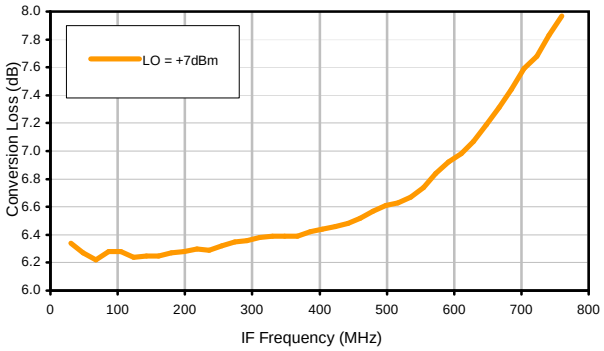
Conversion Loss @ IF=30MHz



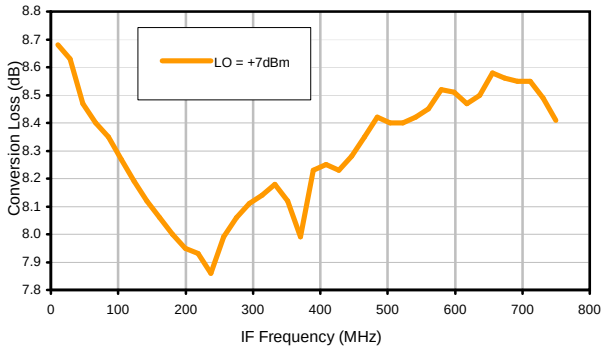
Conversion Loss vs. IF @ RF=500.1MHz



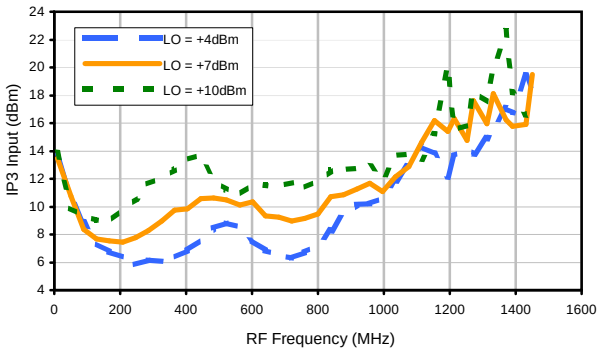
Conversion Loss vs. IF @ RF=10.1MHz



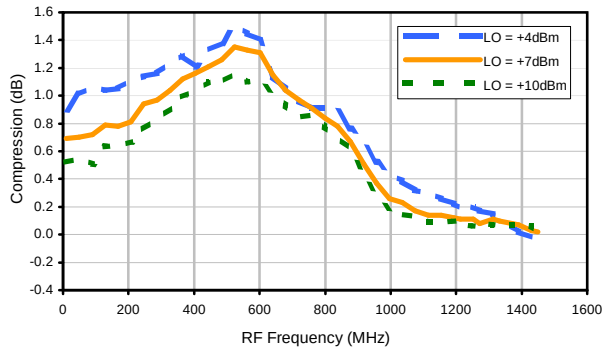
Conversion Loss vs. IF @ RF=760.1MHz



IP3 Input

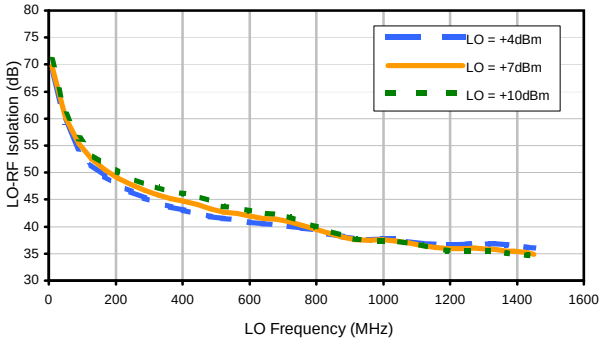


Compression @ RF IN=+1dBm

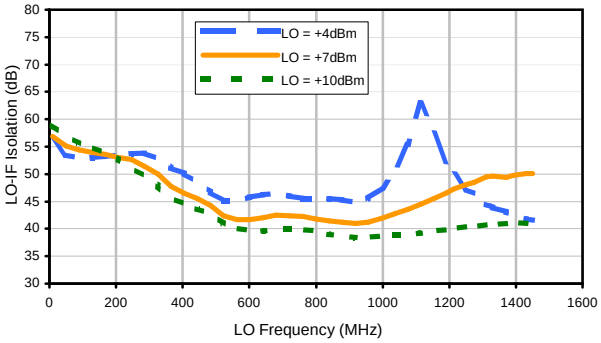


Typical Performance Curves

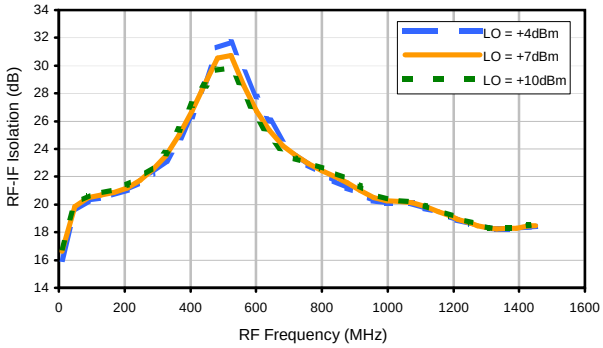
LO-RF Isolation



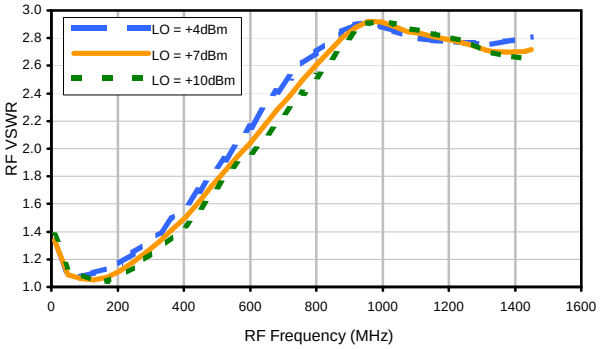
LO-IF Isolation



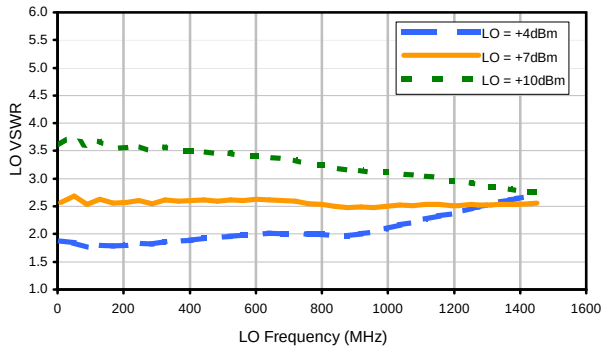
RF-IF Isolation



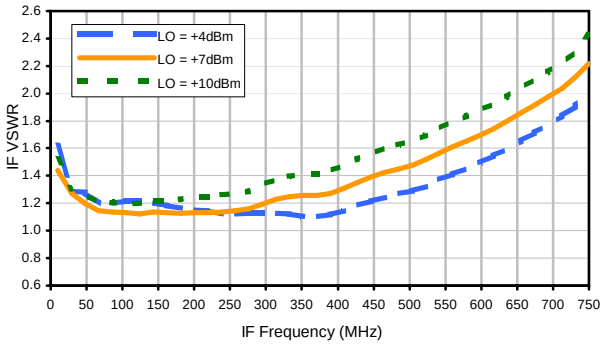
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	12	30	13	37	24	35	27	47	48	58
1	-	24	+0	34	15	43	45	32	32	49	53	55
2	103	58	50	55	52	59	56	78	59	67	60	71
3	117	70	56	66	54	65	58	75	69	66	63	78
4	118	93	84	81	76	78	76	83	83	92	77	85
5	123	114	110	105	94	99	89	91	92	101	108	91
6	124	103	103	102	107	99	104	91	95	98	106	100
7	109	100	106	100	96	100	97	95	91	104	101	102
8	124	101	101	125	98	100	99	94	84	96	110	102
9	107	116	104	106	98	103	102	102	111	93	90	101
10	117	111	104	109	105	102	101	106	99	97	97	110
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 500.1 MHz; -14.00 dBm.**
LO IN: 530.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -21.37 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	21	38	23	49	35	47	43	63	74	73
1	-	23	+0	30	16	58	44	35	38	57	58	69
2	99	56	40	57	45	62	48	77	54	59	58	70
3	116	48	36	45	43	55	50	55	53	52	47	66
4	121	72	63	65	59	61	64	62	65	71	63	74
5	118	58	76	61	54	61	48	54	55	70	70	58
6	118	76	80	80	95	72	65	66	65	71	72	76
7	120	75	59	66	77	75	60	63	64	67	69	75
8	113	91	82	78	87	98	82	78	81	72	77	75
9	112	95	86	87	75	85	94	84	83	76	79	73
10	123	99	98	98	87	94	93	92	88	82	80	79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 500.1 MHz; -4.00 dBm.**
LO IN: 530.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -11.46 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.