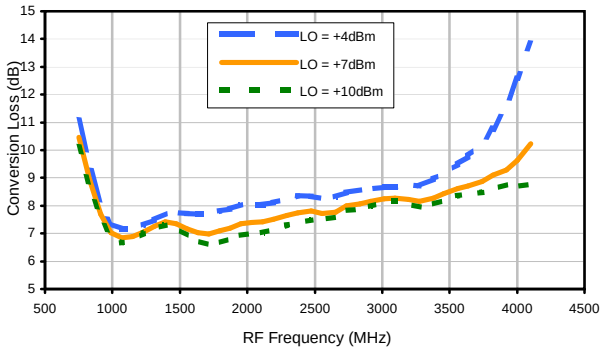
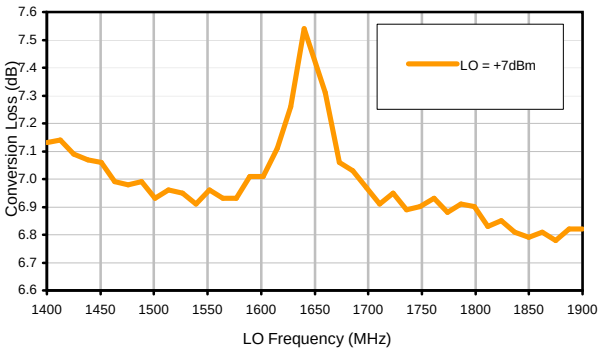
Typical Performance Curves

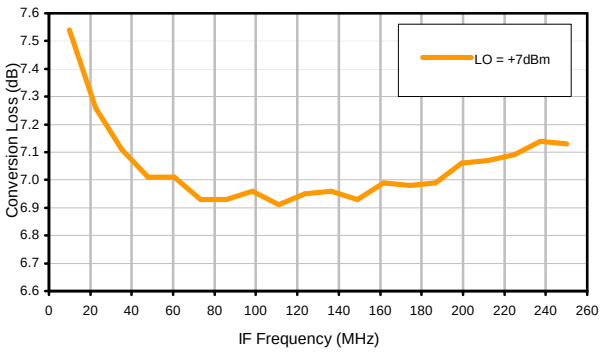
Conversion Loss @ IF=30MHz



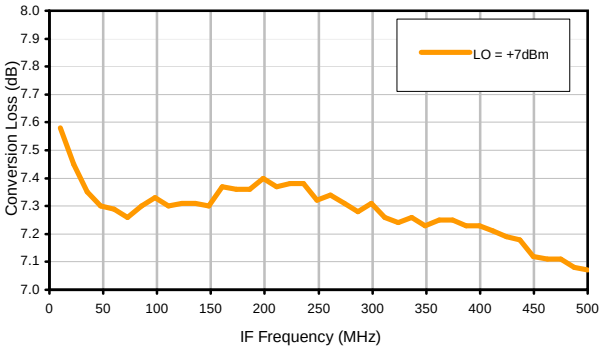
Conversion Loss vs. LO @ RF=1650.1MHz



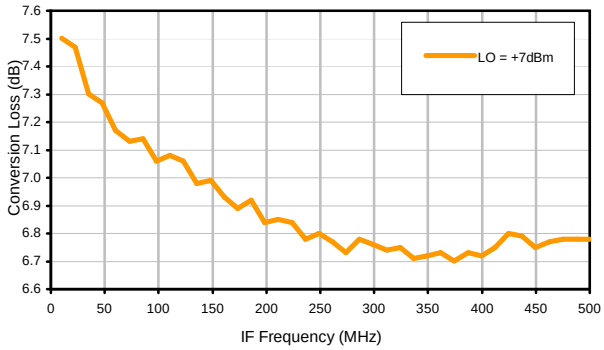
Conversion Loss vs. IF @ RF=1650.1MHz



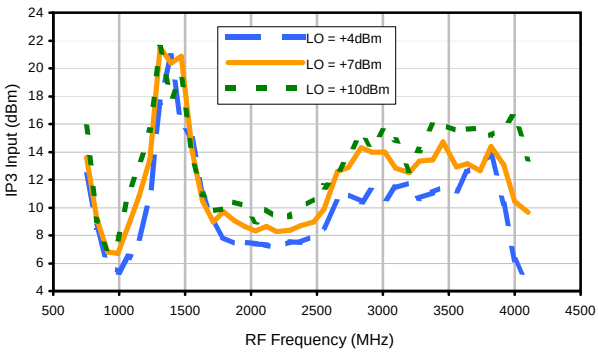
Conversion Loss vs. IF @ RF=1400.1MHz



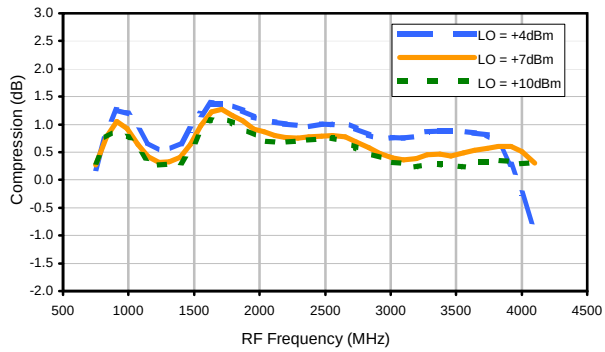
Conversion Loss vs. IF @ RF=1900.1MHz



IP3 Input

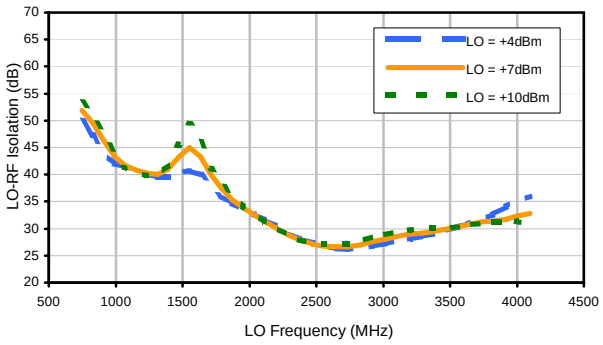


Compression @ RF IN=+1dBm

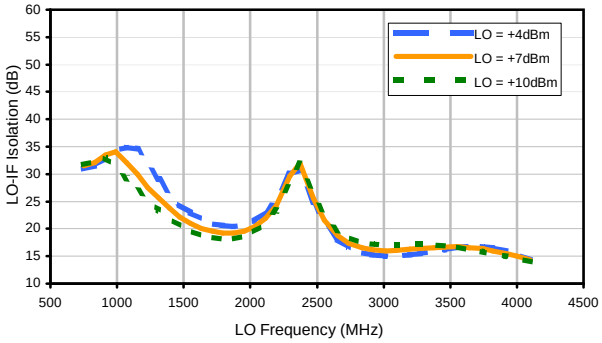


Typical Performance Curves

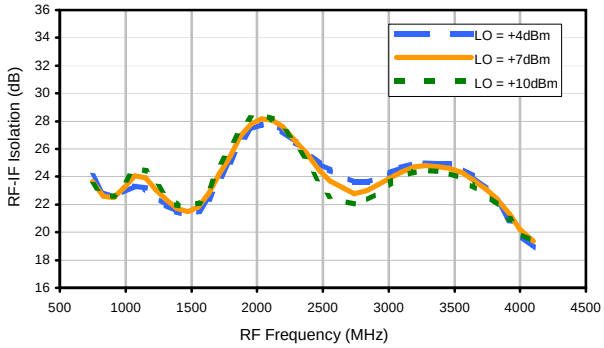
LO-RF Isolation



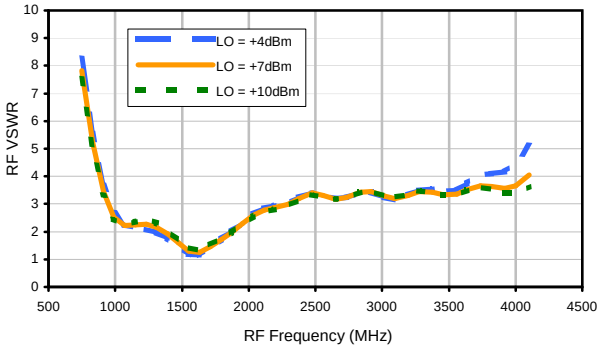
LO-IF Isolation



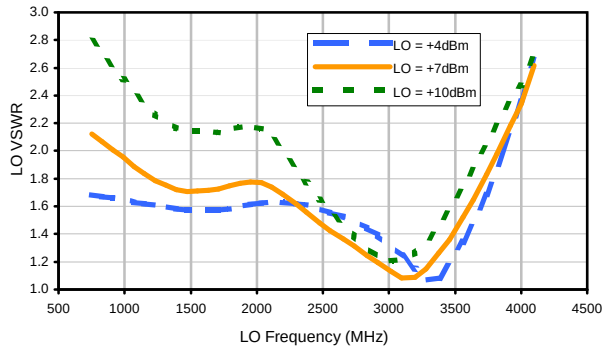
RF-IF Isolation



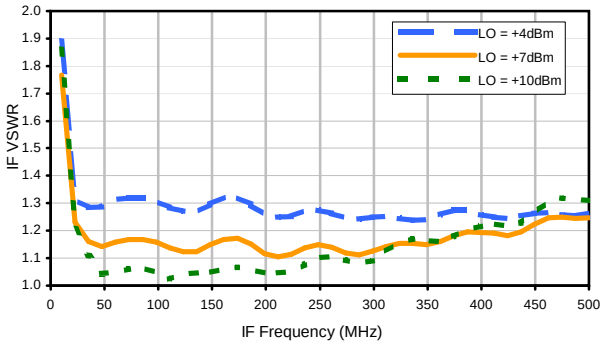
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+8	12	6	30	17	28	21	30	36	39
1	-	16	+0	32	15	50	44	44	51	45	39	52
2	>100	57	57	58	52	60	51	64	54	61	55	59
3	>100	77	66	73	59	>79	77	>79	73	>79	76	77
4	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
5	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
6	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
7	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
8	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
9	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>100	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 1650.1 MHz; -14.00 dBm.**
LO IN: 1690.01 MHz; +7.00 dBm
IF OUT: 39.91 MHz; -21.03 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	2	23	16	42	29	43	35	45	54	55
1	-	16	+0	33	15	50	45	48	56	51	48	67
2	84	46	47	46	40	52	42	58	49	58	50	57
3	>100	57	46	49	39	61	49	73	58	64	63	63
4	>100	84	76	63	66	56	66	64	64	69	64	66
5	>100	74	82	74	57	77	53	82	63	81	70	84
6	>100	74	84	85	82	66	66	85	78	75	80	85
7	>100	>89	79	>89	>89	>89	75	82	71	>89	77	89
8	>100	>89	>89	>89	>89	>89	>89	86	88	79	>89	>89
9	>100	>89	>89	>89	>89	>89	>89	>89	87	>89	85	>89
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 1650.1 MHz; -4.00 dBm.**
LO IN: 1690.01 MHz; +7.00 dBm
IF OUT: 39.91 MHz; -11.06 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.