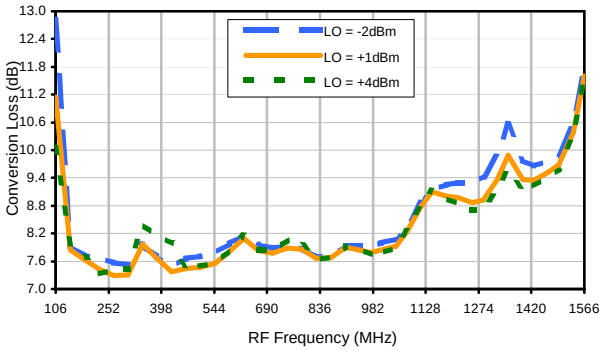
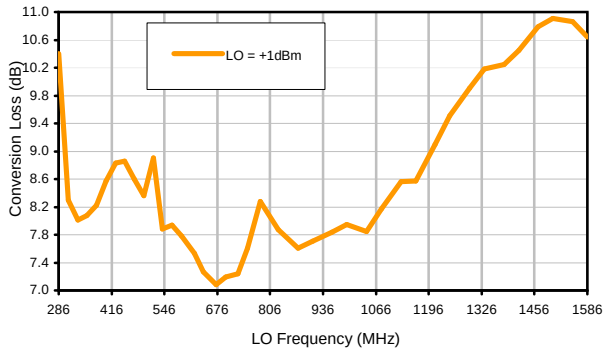
Typical Performance Curves

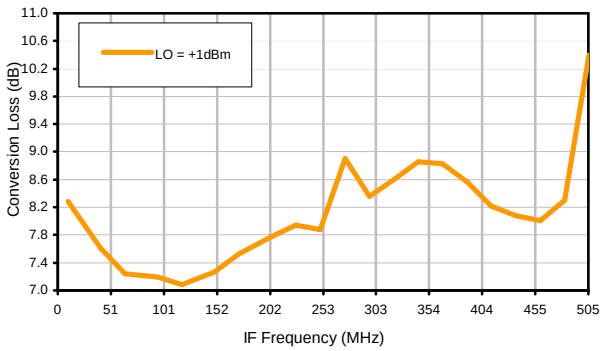
Conversion Loss @ IF=169MHz



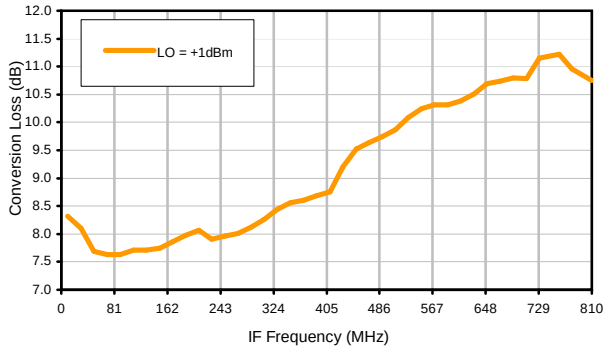
Conversion Loss vs. LO @ RF=791.5MHz



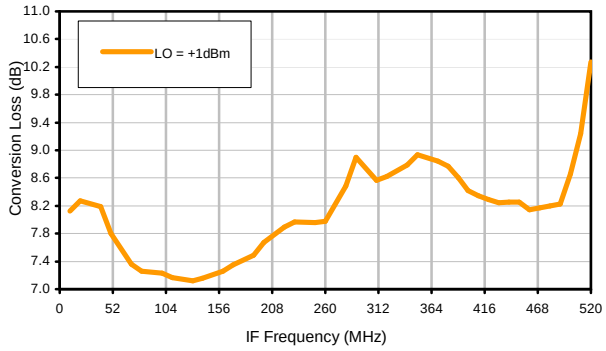
Conversion Loss vs. IF @ RF=791.5MHz



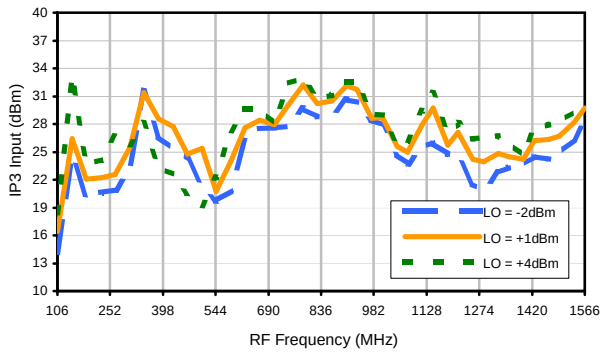
Conversion Loss vs. IF @ RF=776MHz



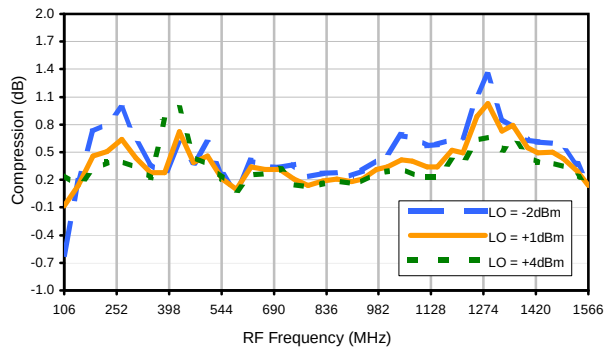
Conversion Loss vs. IF @ RF=807MHz



IP3 Input

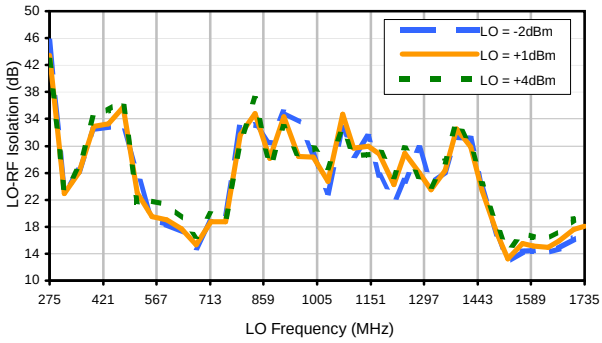


Compression @ RF IN=+15dBm

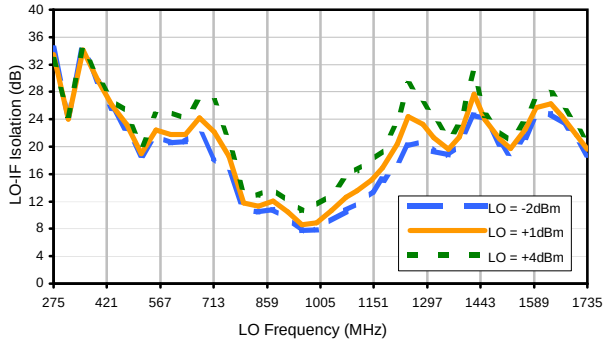


Typical Performance Curves

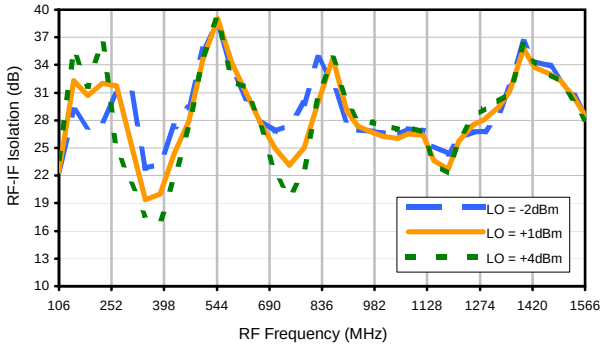
LO-RF Isolation



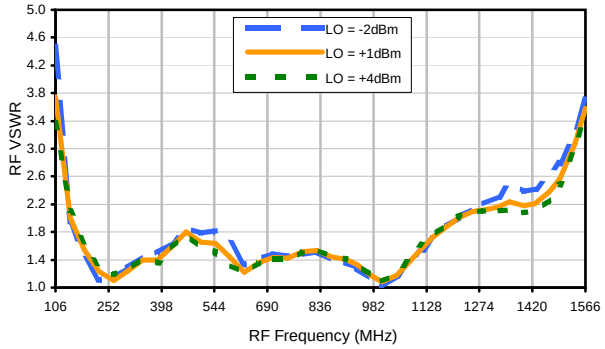
LO-IF Isolation



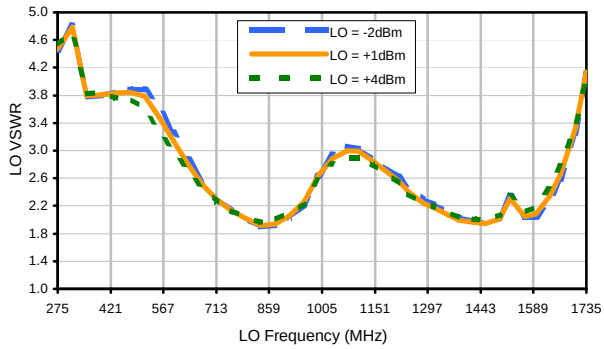
RF-IF Isolation



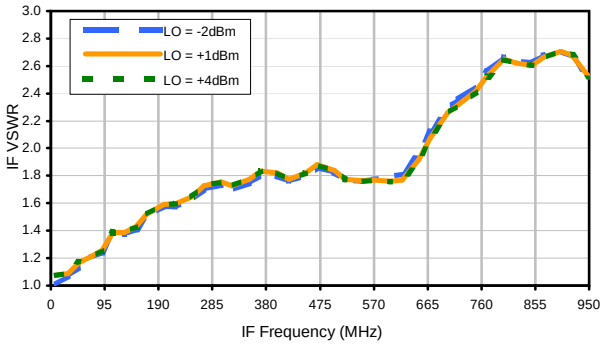
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	+0	12	17	31	27	28	43	34	49	45
1	-	17	+0	19	17	30	39	46	37	51	47	72
2	63	57	56	61	65	59	71	73	66	77	75	81
3	>90	>83	73	82	69	77	78	>83	>83	>83	>83	>83
4	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
5	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 791.5 MHz; 0.00 dBm.**
LO IN: 960.5 MHz; +1.00 dBm
IF OUT: 169 MHz; -7.37 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	10	22	27	40	36	38	51	46	66	57
1	-	17	+0	19	17	30	40	46	38	51	48	75
2	44	47	47	50	56	49	62	63	56	70	64	77
3	64	61	52	58	48	57	54	68	67	83	74	82
4	>90	92	74	78	78	75	74	76	>93	90	89	87
5	>90	>93	85	86	73	86	74	82	82	>93	>93	>93
6	>90	>93	>93	>93	90	>93	87	>93	91	>93	>93	>93
7	>90	>93	>93	>93	92	92	85	>93	89	>93	>93	>93
8	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
10	>90	>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: 791.5 MHz; 10.00 dBm.**
LO IN: 960.5 MHz; +1.00 dBm
IF OUT: 169 MHz; 2.57 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.