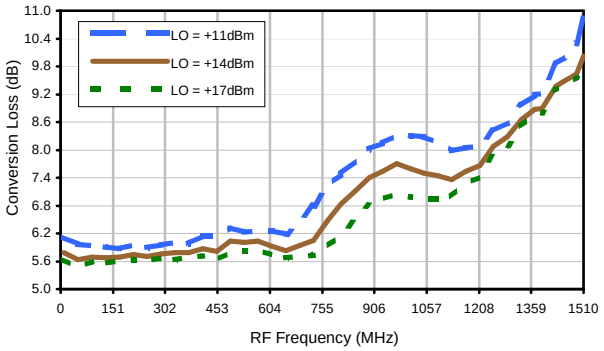
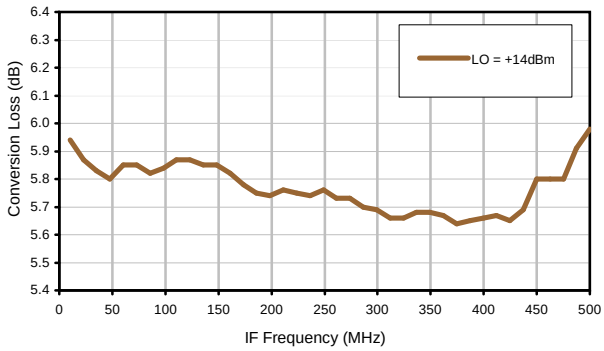
Typical Performance Curves

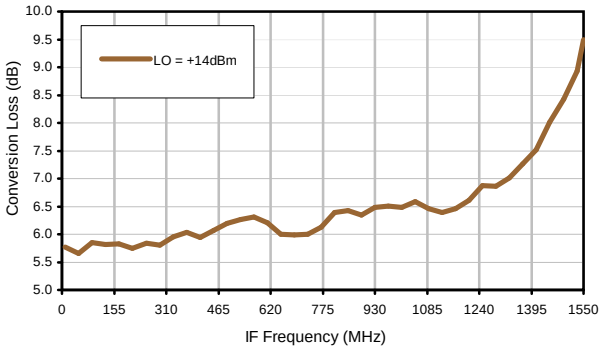
Conversion Loss @ IF=30MHz



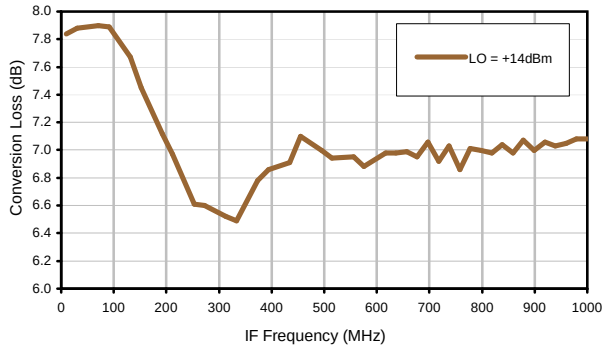
Conversion Loss vs. IF @ RF=510.1MHz



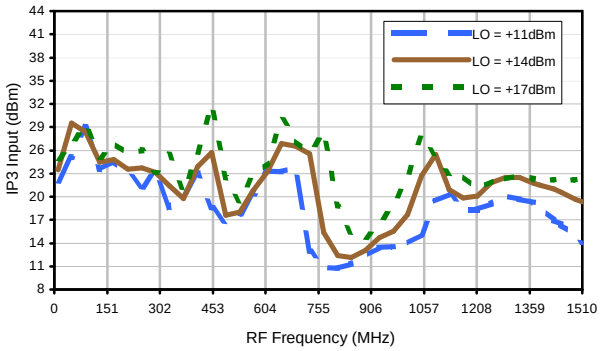
Conversion Loss vs. IF @ RF=10MHz



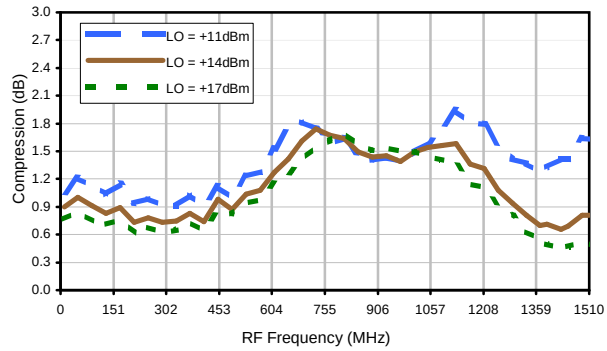
Conversion Loss vs. IF @ RF=1010.1MHz



IP3 Input

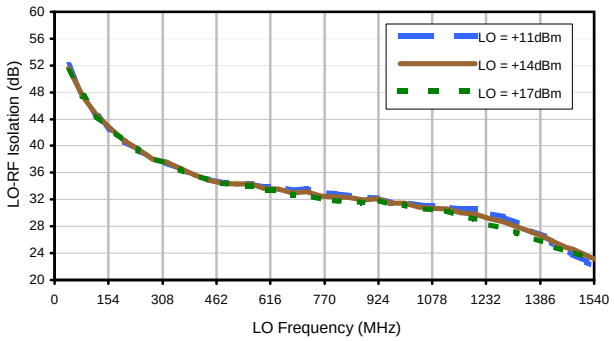


Compression @ RF IN=+9dBm

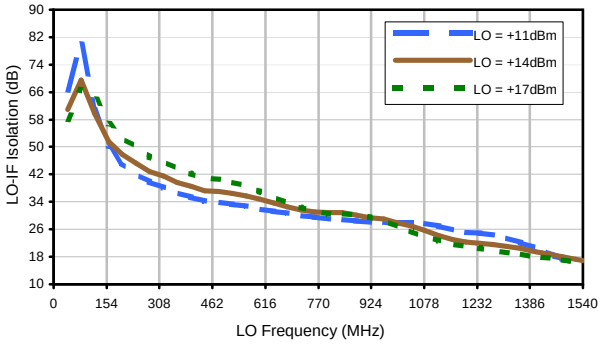


Typical Performance Curves

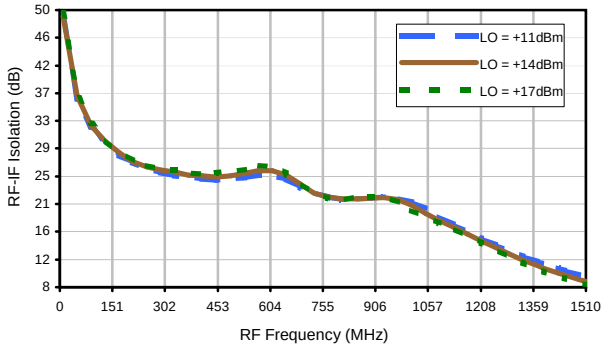
LO-RF Isolation



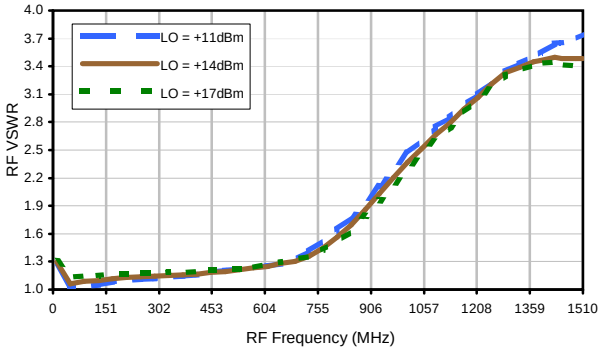
LO-IF Isolation



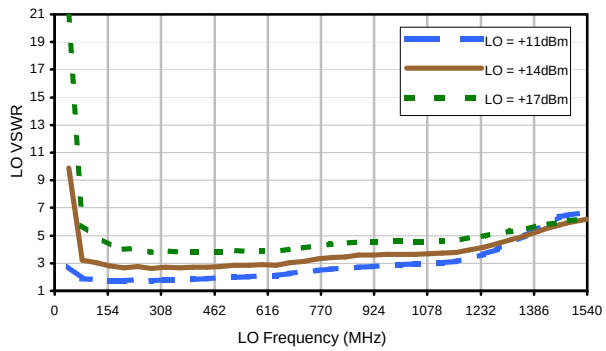
RF-IF Isolation



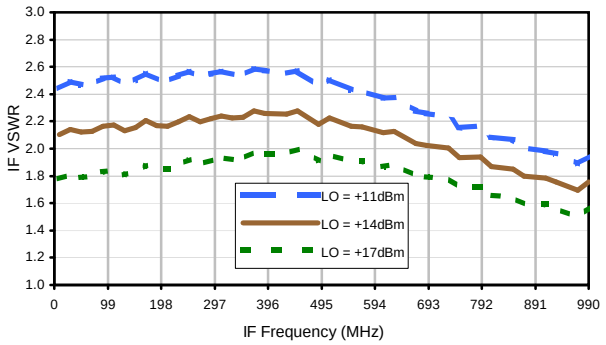
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	11	19	8	28	18	35	32	45	43	59
1	-	19	+0	32	12	37	32	38	36	39	44	47
2	76	52	58	53	59	51	51	61	61	67	72	74
3	>90	62	55	61	53	62	51	66	62	>78	65	77
4	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
5	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
6	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
7	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
8	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
9	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
10	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 505 MHz; -6.00 dBm.**
LO IN: 535 MHz; +14.00 dBm
IF OUT: 30 MHz; -12.13 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	20	29	19	41	31	45	44	56	55	71
1	-	20	+0	29	12	37	31	42	39	46	50	55
2	56	49	52	50	59	47	44	52	52	61	61	85
3	85	48	40	50	41	57	39	55	52	58	49	57
4	>90	70	63	62	65	62	69	59	69	>88	69	70
5	>90	66	65	60	53	58	48	56	46	58	58	65
6	>90	>88	77	>88	79	73	68	72	69	69	76	75
7	>90	77	84	80	76	72	85	75	71	71	65	74
8	>90	>88	>88	>88	>88	>88	81	>88	75	83	74	80
9	>90	>88	>88	>88	>88	>88	>88	79	83	77	76	75
10	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	85	84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 505 MHz; 4.00 dBm.**
LO IN: 535 MHz; +14.00 dBm
IF OUT: 30 MHz; -2.08 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.