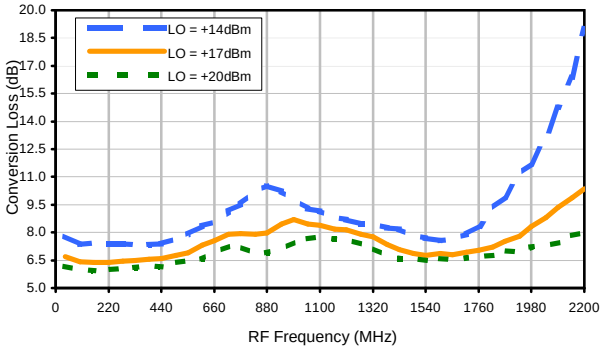
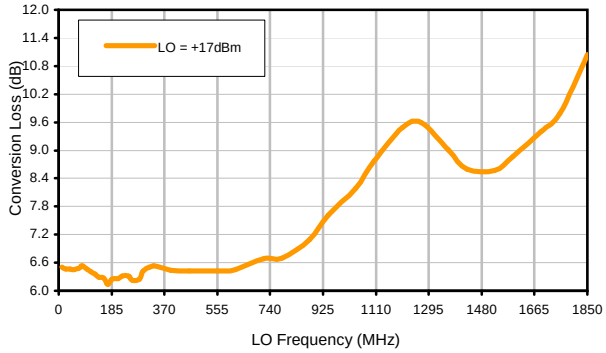
Typical Performance Curves

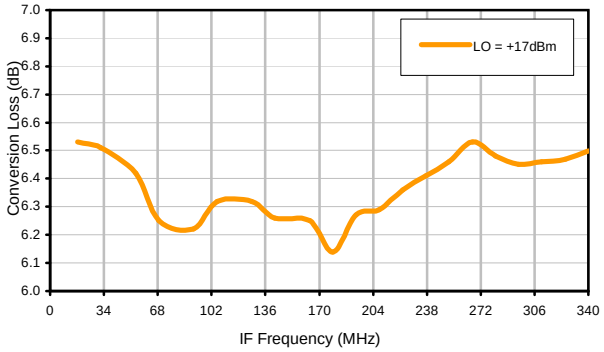
Conversion Loss @ IF=30MHz



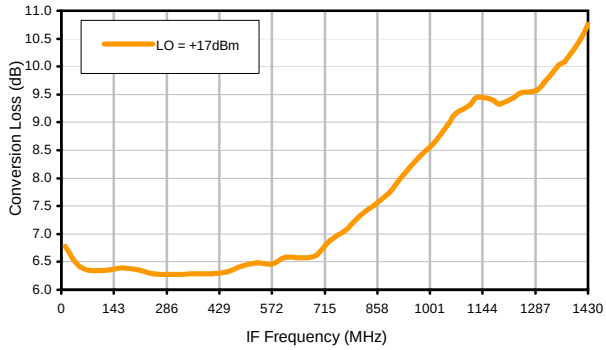
Conversion Loss vs. LO @ RF=350.1MHz



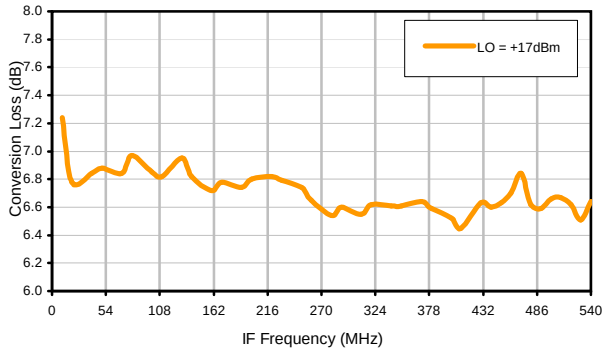
Conversion Loss vs. IF @ RF=350.1MHz



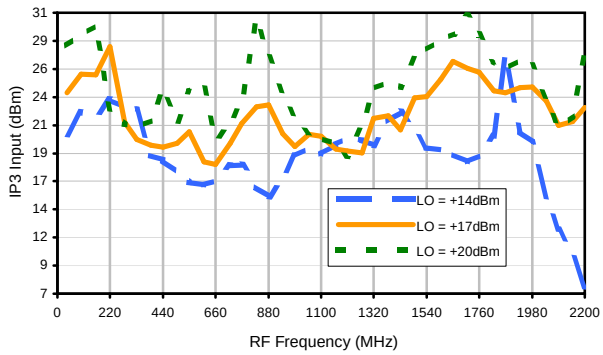
Conversion Loss vs. IF @ RF=150.1MHz



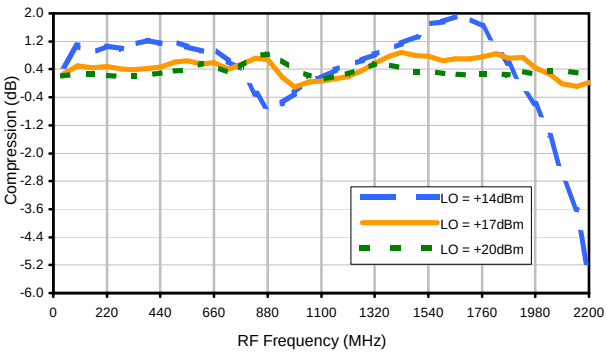
Conversion Loss vs. IF @ RF=550.1MHz



IP3 Input

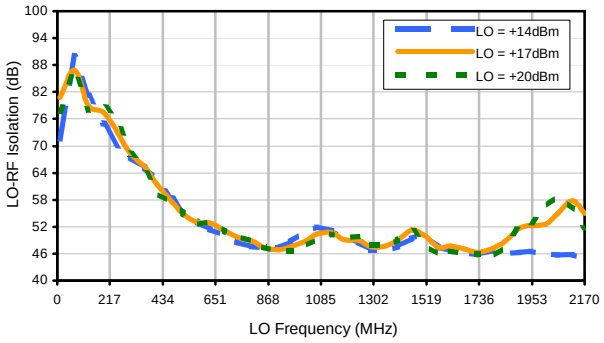


Compression @ RF IN=+14dBm

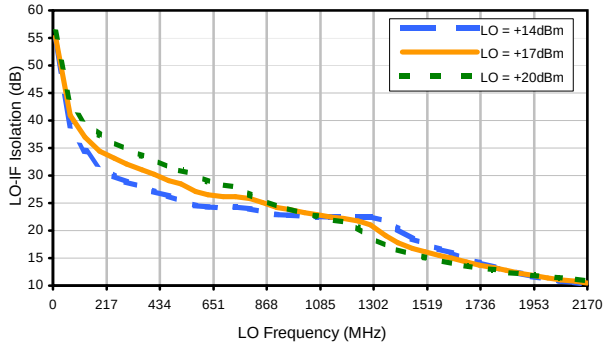


Typical Performance Curves

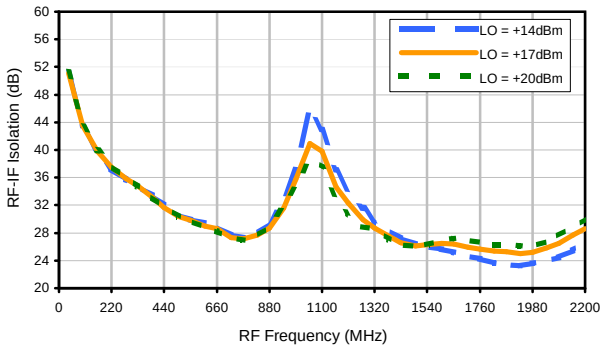
LO-RF Isolation



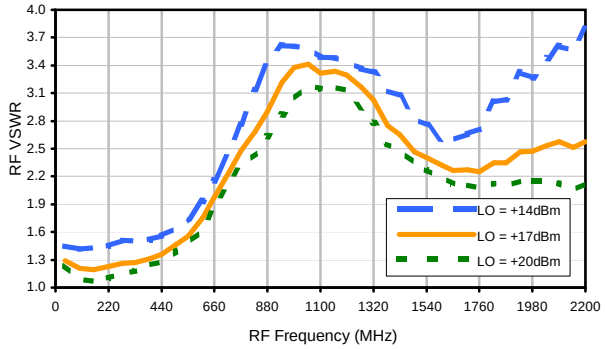
LO-IF Isolation



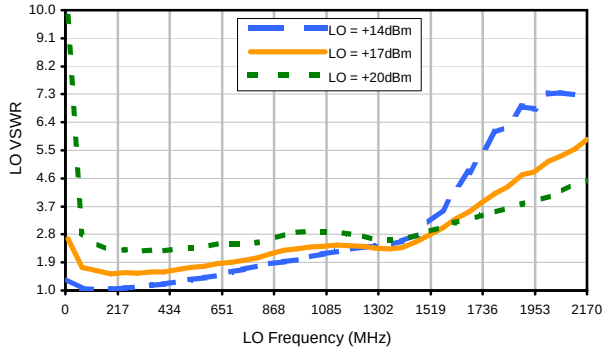
RF-IF Isolation



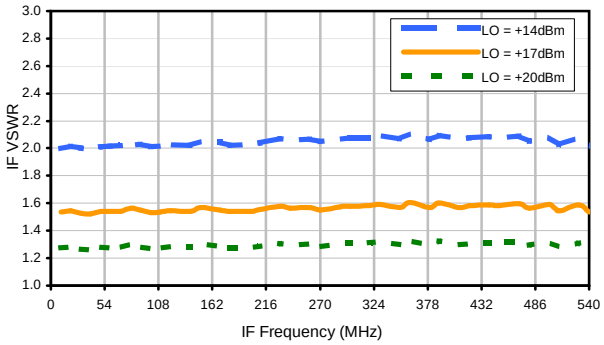
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	7	33	14	38	17	47	29	45	31	49
1	-	27	+0	44	14	39	31	40	40	45	30	54
2	67	67	49	72	52	77	51	70	55	71	58	80
3	>90	74	48	75	46	75	46	72	50	68	68	74
4	>90	>82	75	>82	75	>82	73	>82	70	>82	76	>82
5	>90	>82	>82	>82	>82	>82	>82	>82	81	>82	79	>82
6	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 380.1 MHz; -1.00 dBm.**
LO IN: 350.1 MHz; +17.00 dBm
IF OUT: 30 MHz; -7.51 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	18	43	27	49	31	60	47	66	46	67
1	-	27	+0	46	14	41	37	46	52	52	42	59
2	47	58	43	63	44	83	40	67	46	78	65	70
3	70	57	38	69	35	63	34	63	38	59	54	64
4	>90	92	65	84	69	79	66	75	58	78	61	75
5	>90	77	55	80	47	76	45	82	46	68	51	65
6	>90	89	81	88	83	89	70	89	62	88	58	80
7	>90	82	75	85	68	90	61	83	62	81	60	78
8	>90	>93	>93	>93	>93	>93	83	>93	74	>93	73	>93
9	>90	>93	78	>93	83	>93	78	>93	71	>93	69	>93
10	>90	>93	85	>93	88	>93	91	>93	88	>93	79	>93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: **RF IN: 380.1 MHz; 9.00 dBm.**
LO IN: 350.1 MHz; +17.00 dBm
IF OUT: 30 MHz; 2.56 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.