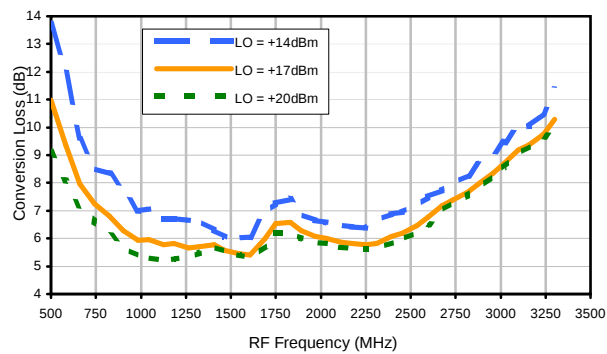
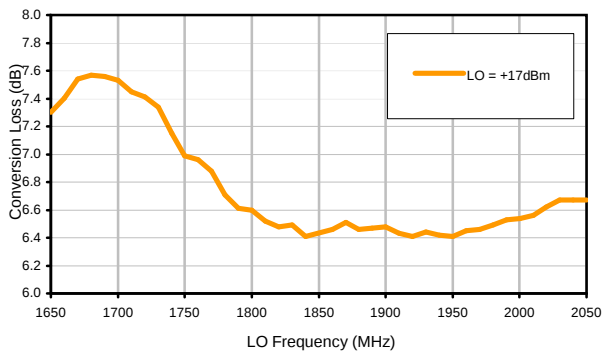


Typical Performance Curves

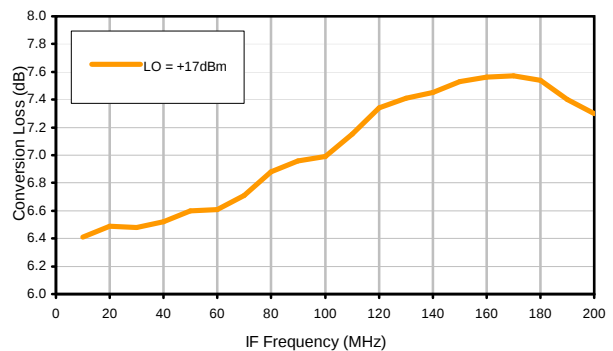
Conversion Loss @ IF=30MHz



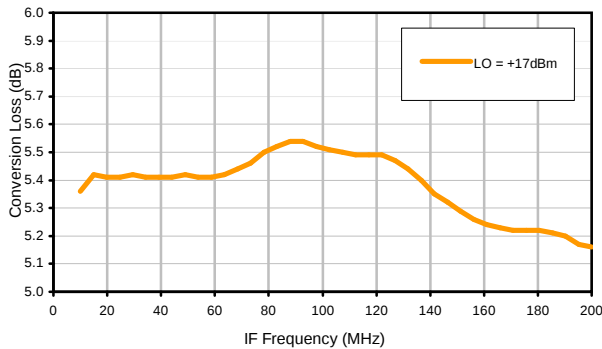
Conversion Loss vs. LO @ RF=1850.1MHz



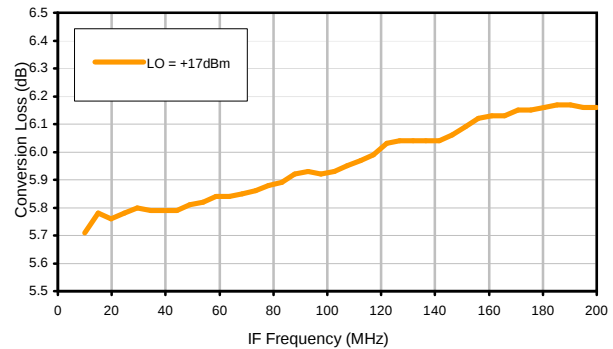
Conversion Loss vs. IF @ RF=1850.1MHz



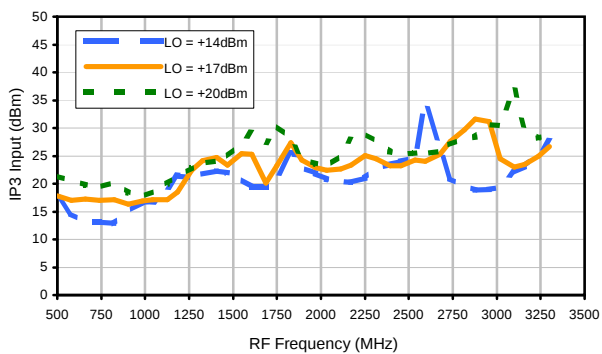
Conversion Loss vs. IF @ RF=1500.1MHz



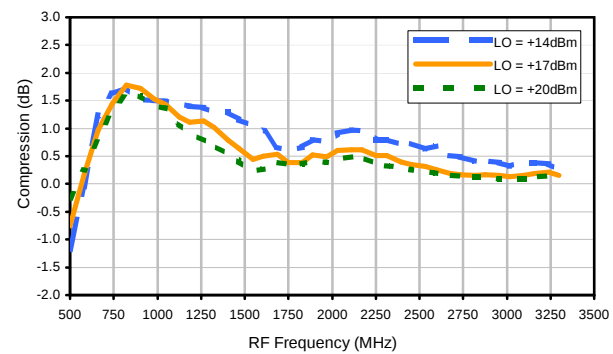
Conversion Loss vs. IF @ RF=2200.1MHz



IP3 Input

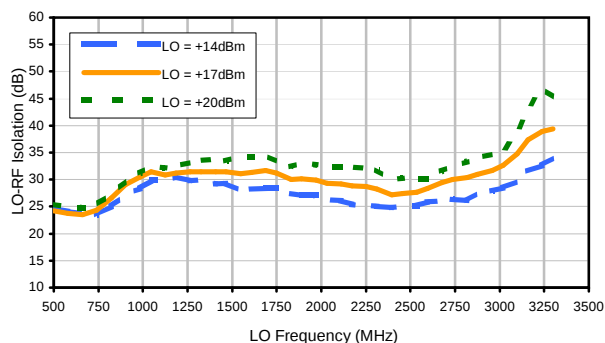


Compression @ RF IN=+14dBm

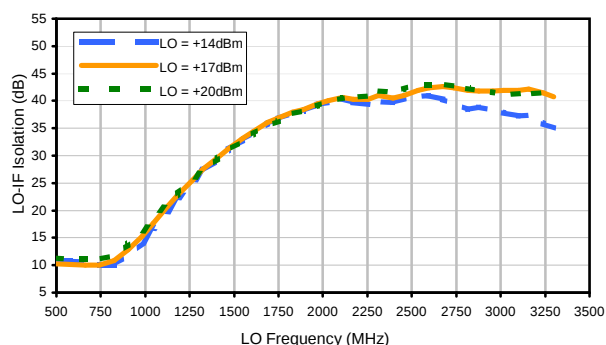


Typical Performance Curves

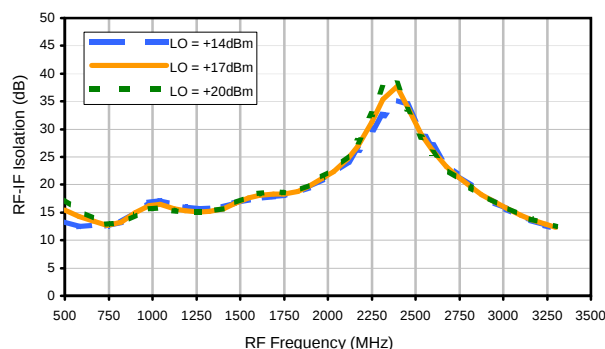
LO-RF Isolation



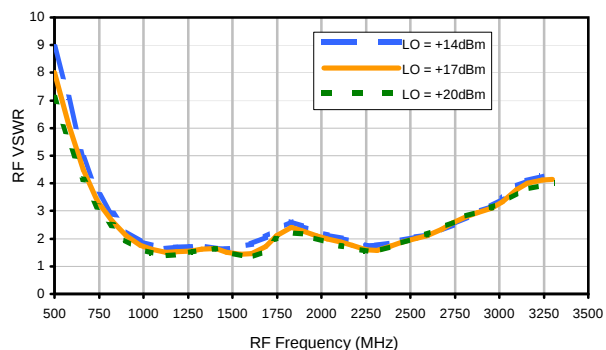
LO-IF Isolation



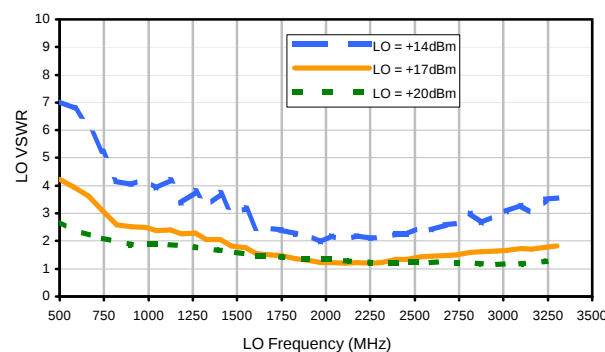
RF-IF Isolation



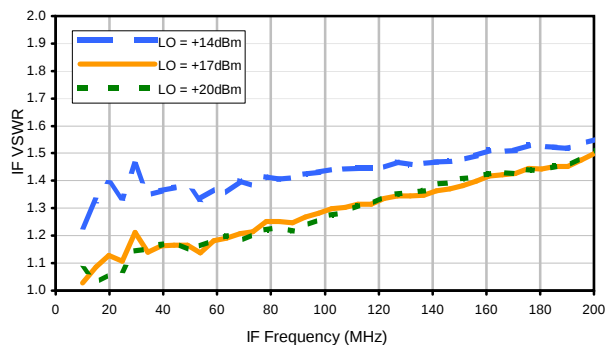
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	15	23	11	23	16	28	58	43	50	86
1	-	13	+0	32	32	37	34	31	35	54	44	61
2	>100	67	66	48	72	69	59	63	62	59	77	74
3	>100	69	79	82	62	81	76	77	64	68	66	80
4	>100	>92	>92	>92	>92	86	>92	>92	>92	89	88	86
5	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
6	>100	>92	>92	>92	>92	>92	>92	88	>92	>92	>92	>92
7	>100	>92	>92	>92	>92	>92	>92	>92	87	>92	>92	>92
8	>100	>92	>92	>92	>92	>92	>92	>92	>92	92	>92	>92
9	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>100	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1850.1 MHz; -1.00 dBm.
LO IN: 1880.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -7.52 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	25	33	21	34	28	44	58	65	64	77
1	-	13	+0	33	31	39	35	33	41	58	48	75
2	91	59	58	40	68	67	50	53	48	54	82	63
3	>100	49	57	61	48	59	58	57	47	52	49	75
4	>100	75	73	72	80	59	78	73	70	66	60	65
5	>100	76	67	77	77	77	57	81	75	73	62	62
6	>100	89	85	91	>102	98	96	72	95	88	82	74
7	>100	>102	90	97	87	94	100	92	73	96	92	84
8	>100	>102	>102	98	99	96	>102	102	>102	81	>102	98
9	>100	>102	>102	>102	>102	>102	97	>102	>102	>102	>102	>102
10	>100	>102	>102	>102	>102	>102	>102	>102	>102	>102	>102	>102
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1850.1 MHz; 9.00 dBm.
LO IN: 1880.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; 2.36 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.

REV. X2
SYM-22H+
100818
Page 3 of 3

