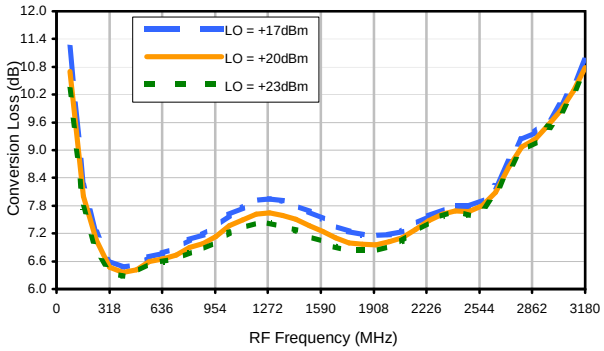
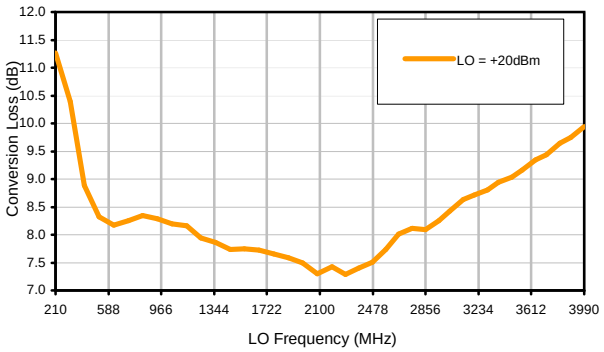
Typical Performance Curves

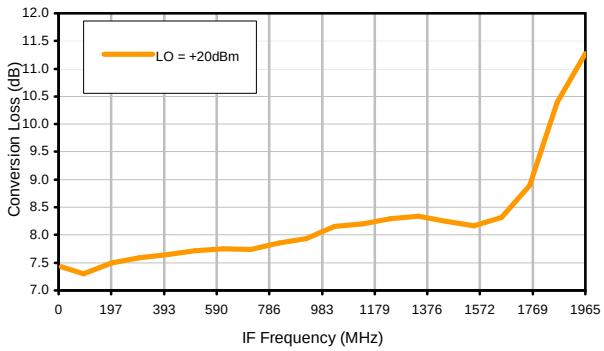
Conversion Loss @ IF=70MHz



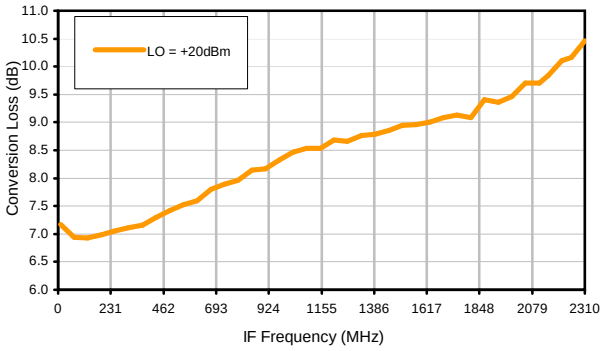
Conversion Loss vs. LO @ RF=2175.1001MHz



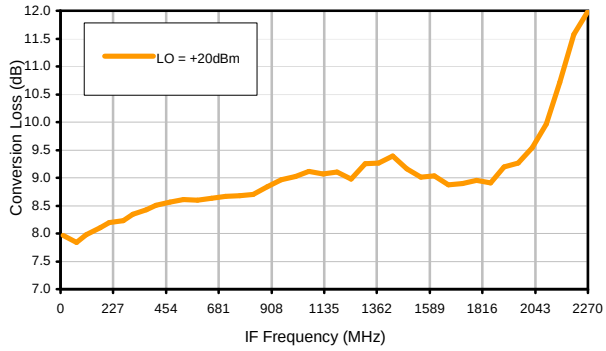
Conversion Loss vs. IF @ RF=2175.1001MHz



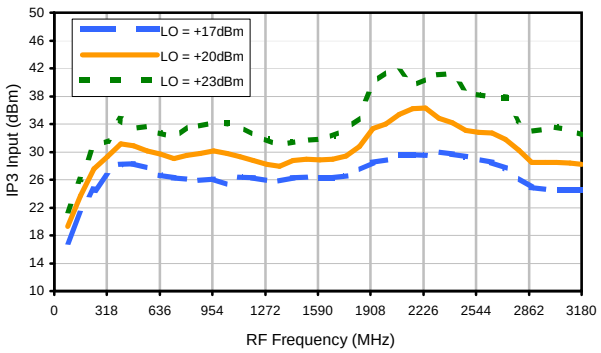
Conversion Loss vs. IF @ RF=1850.1MHz



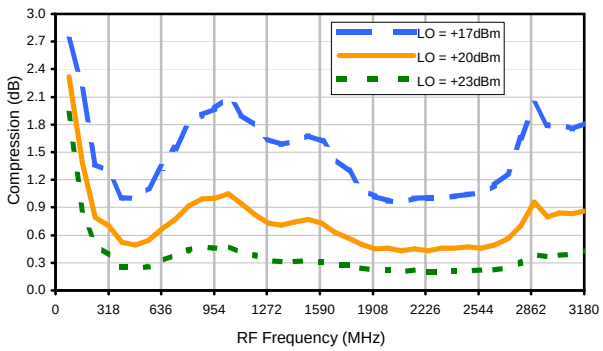
Conversion Loss vs. IF @ RF=2500.1001MHz



IP3 Input

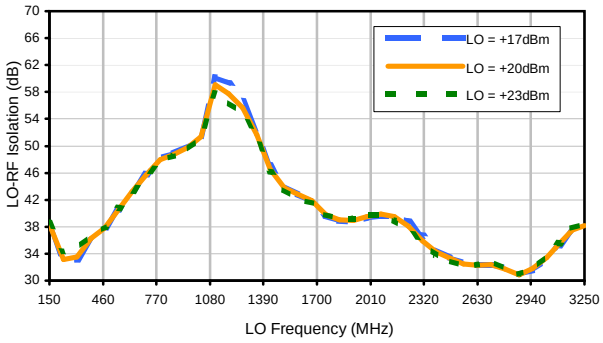


Compression @ RF IN=+20dBm

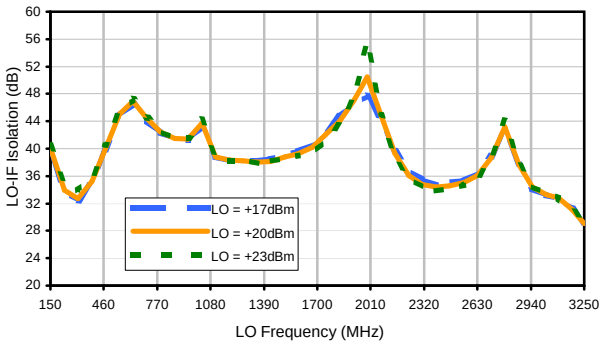


Typical Performance Curves

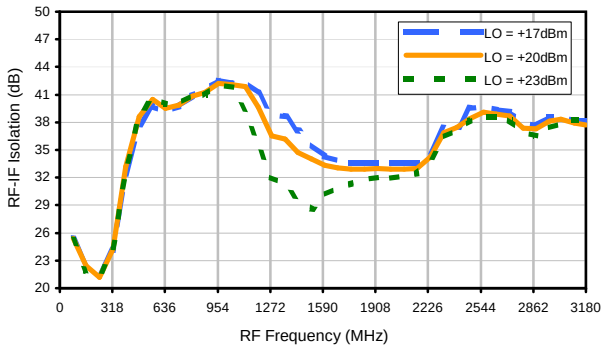
LO-RF Isolation



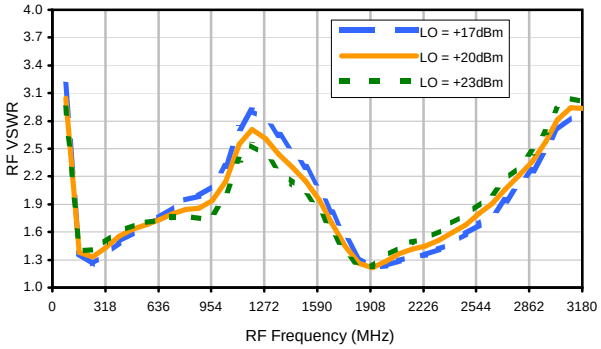
LO-IF Isolation



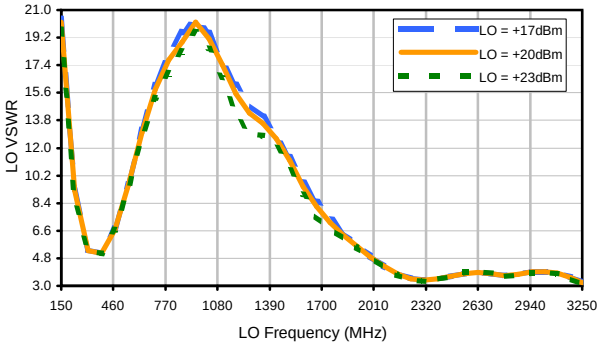
RF-IF Isolation



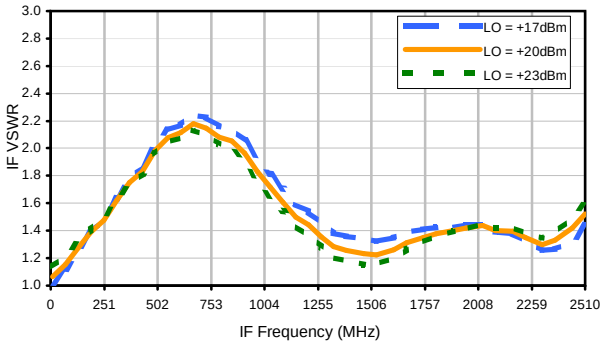
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	14	19	36	30	38	47	38	60	50	68
1	-	27	+0	37	21	46	47	55	62	62	62	76
2	49	47	64	49	60	48	73	69	76	74	73	81
3	82	>88	68	78	70	81	77	86	84	>88	>88	>88
4	>90	>88	>88	85	>88	86	>88	>88	>88	>88	>88	>88
5	>90	>88	>88	>88	>88	>88	84	>88	>88	>88	>88	>88
6	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
7	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
8	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
9	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
10	>90	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
RF CAL		0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 2175 MHz; 5.00 dBm.
LO IN: 2245 MHz; +20.00 dBm
IF OUT: 70 MHz; -2.41 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	24	32	48	46	49	60	50	62	67	75
1	-	27	+0	37	21	48	52	57	67	67	67	78
2	29	35	53	38	50	37	61	58	68	66	67	92
3	53	75	45	59	43	58	49	66	61	73	76	91
4	73	70	94	59	83	56	75	59	79	>97	>97	84
5	>90	>97	82	>97	69	87	65	86	69	83	83	85
6	>90	>97	>97	96	>97	72	90	71	89	73	89	89
7	>90	>97	>97	>97	93	>97	80	90	74	92	77	>97
8	>90	>97	>97	>97	>97	>97	>97	87	96	83	92	83
9	>90	>97	>97	>97	>97	>97	>97	>97	83	96	78	92
10	>90	>97	>97	>97	>97	>97	>97	>97	>97	93	>97	87
RF CAL		0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:
RF IN: 2175 MHz; 15.00 dBm.
LO IN: 2245 MHz; +20.00 dBm
IF OUT: 70 MHz; 7.45 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.