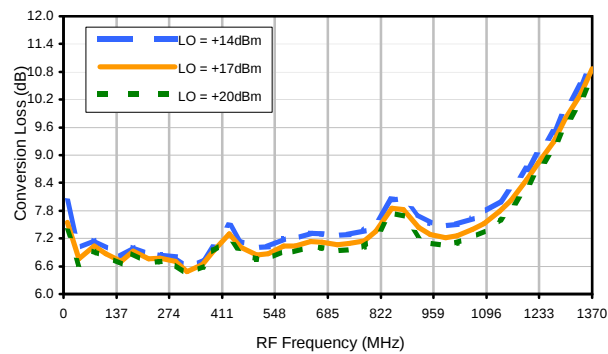
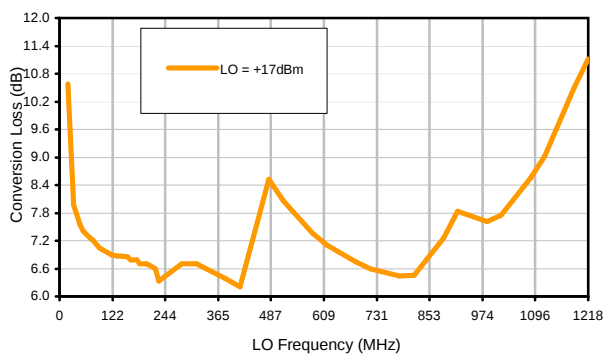


Typical Performance Curves

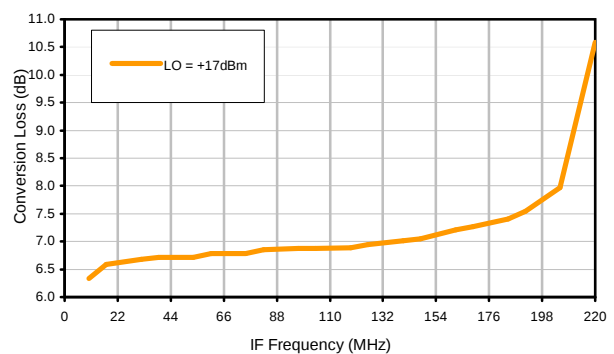
Conversion Loss @ IF=48MHz



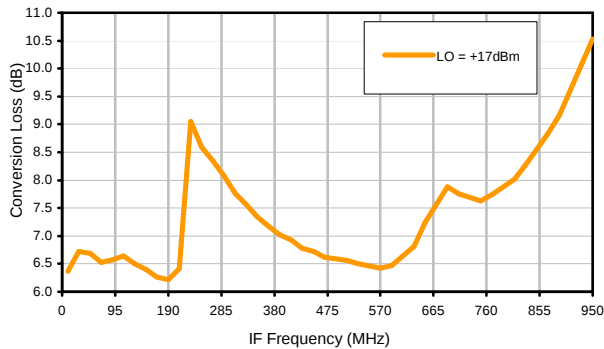
Conversion Loss vs. LO @ RF=238.5MHz



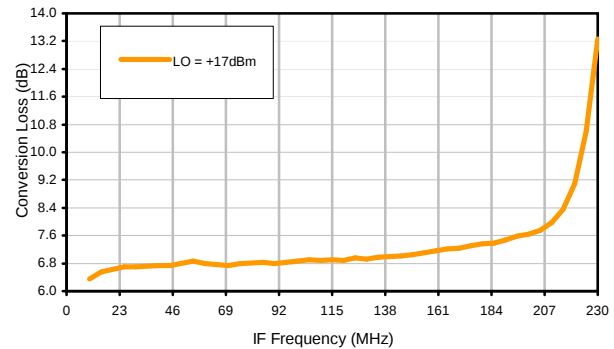
Conversion Loss vs. IF @ RF=238.5MHz



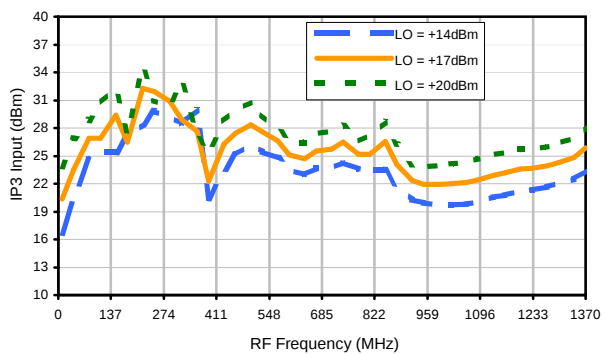
Conversion Loss vs. IF @ RF=233.5MHz



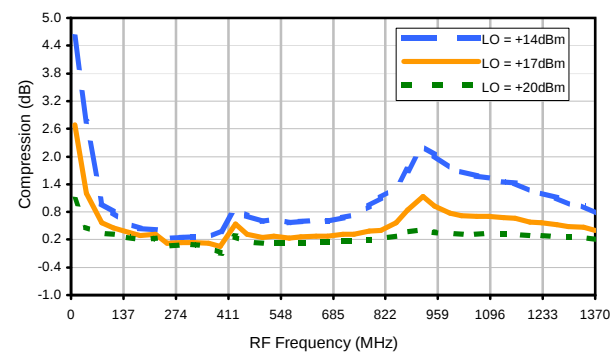
Conversion Loss vs. IF @ RF=243.5MHz



IP3 Input

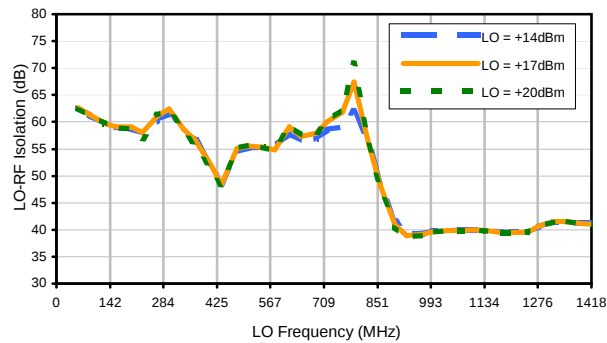


Compression @ RF IN=+15dBm

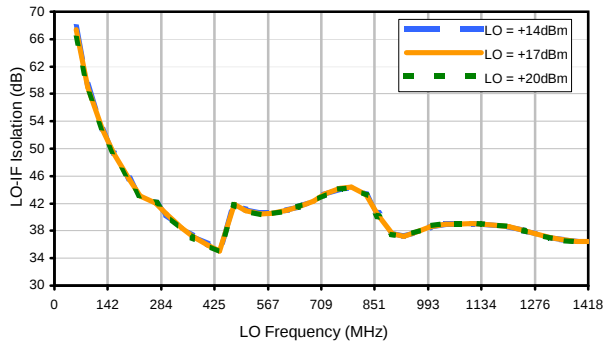


Typical Performance Curves

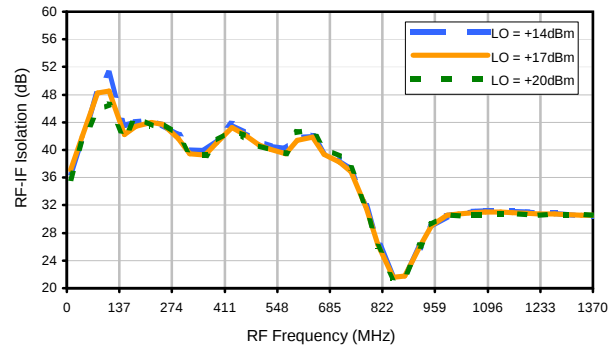
LO-RF Isolation



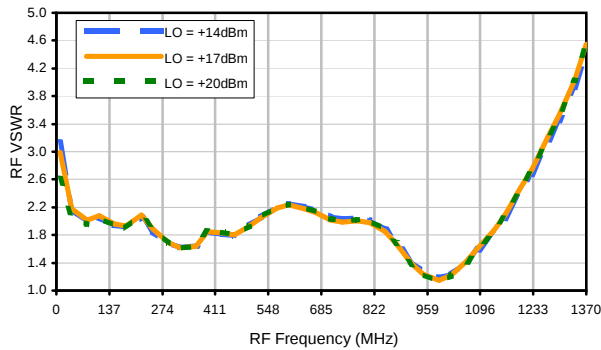
LO-IF Isolation



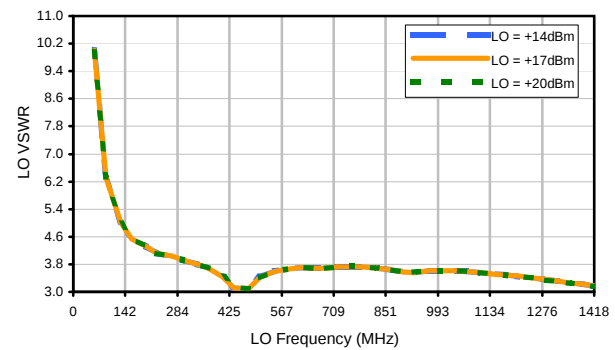
RF-IF Isolation



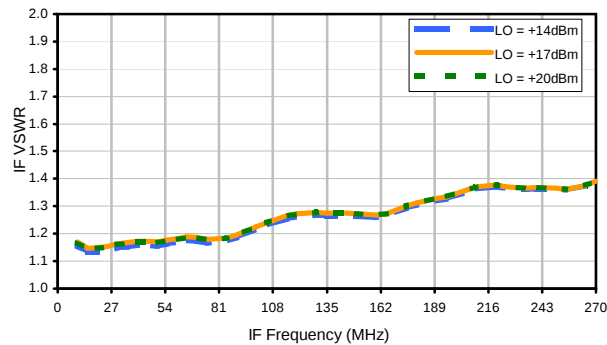
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	23	41	27	61	56	58	63	55	57
1	-	38	+0	40	11	50	20	49	40	57	48	53
2	66	62	65	73	75	>83	>83	74	75	73	>83	>83
3	>90	79	67	80	64	77	64	75	66	>83	>83	>83
4	>90	>83	>83	82	>83	>83	>83	>83	>83	>83	>83	>83
5	>90	>83	>83	>83	80	>83	83	>83	>83	>83	>83	>83
6	>90	>83	>83	>83	>83	82	71	80	>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	78	>83
10	>90	>83	>83	>83	>83	>83	>83	>83	82	>83	82	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 238.5 MHz; 0.00 dBm.

LO IN: 286.5 MHz; +17.00 dBm

IF OUT: 48 MHz; -6.71 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	26	32	52	36	58	60	66	69	63	64
1	-	38	+0	41	11	52	21	50	42	58	51	53
2	46	55	54	62	59	68	68	61	69	67	81	86
3	66	80	51	70	46	66	44	62	48	71	65	81
4	>90	78	81	73	76	76	84	73	>93	91	92	86
5	>90	84	68	73	66	79	66	75	>93	76	76	91
6	86	92	90	89	86	85	84	87	84	82	90	91
7	>90	>93	83	90	78	91	75	87	73	91	79	87
8	>90	>93	>93	>93	>93	>93	91	>93	>93	>93	>93	>93
9	>90	>93	>93	>93	91	>93	88	>93	82	91	83	>93
10	85	>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: 238.5 MHz; 10.00 dBm.

LO IN: 286.5 MHz; +17.00 dBm

IF OUT: 48 MHz; 2.96 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

HJK-ED11877

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