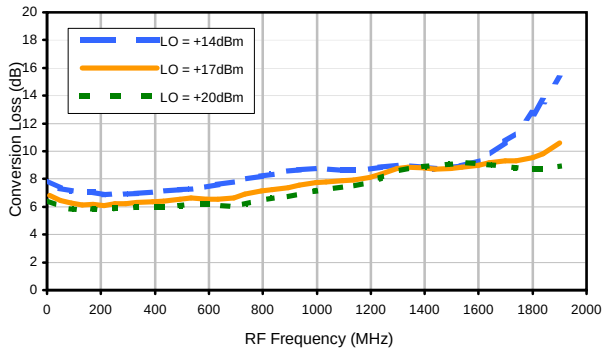


Frequency Mixer

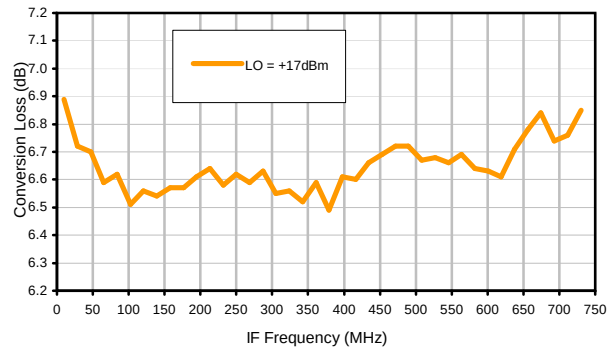
LRMS-5H+

Typical Performance Curves

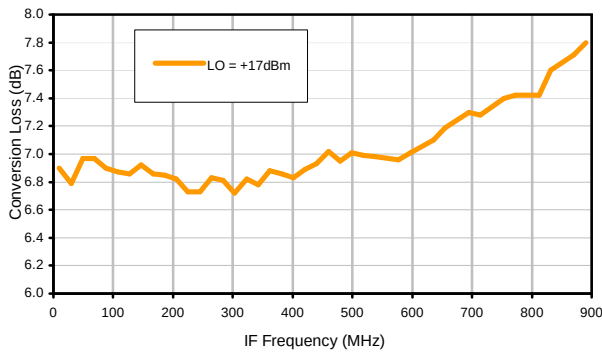
Conversion Loss @ IF=30MHz



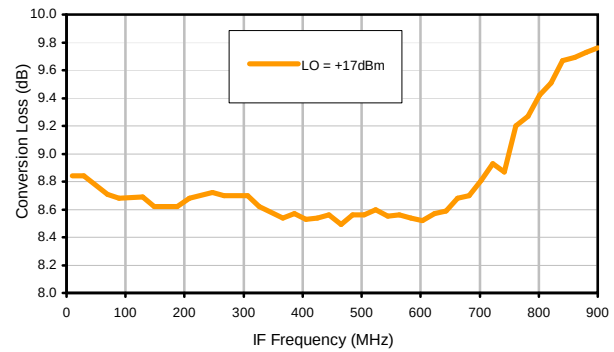
Conversion Loss vs. IF @ RF=750.1MHz



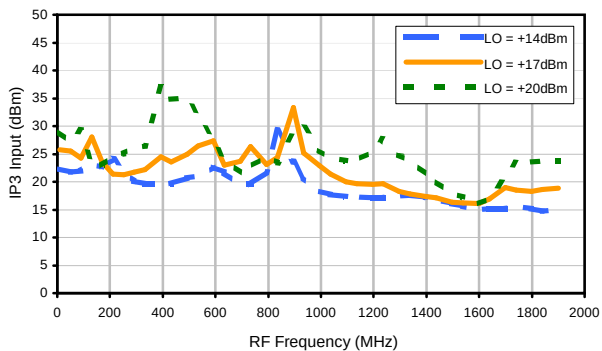
Conversion Loss vs. IF @ RF=10.1MHz



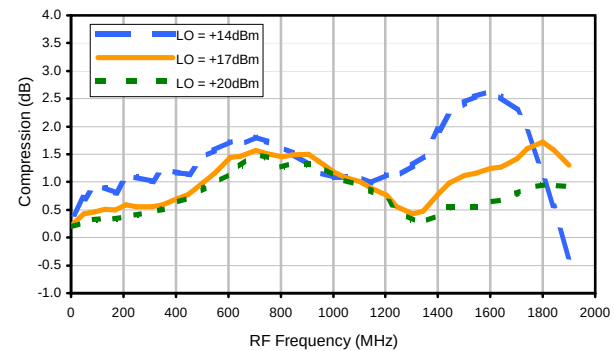
Conversion Loss vs. IF @ RF=1500.1MHz



IP3 Input

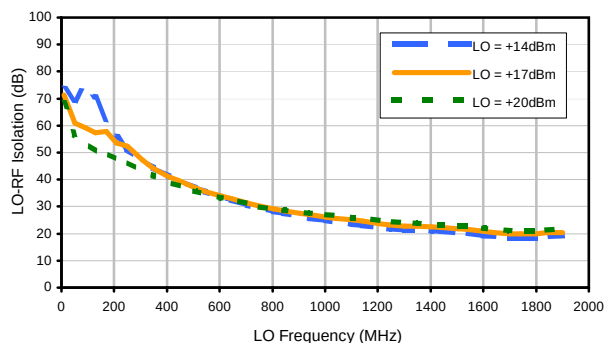


Compression @ RF IN=+14dBm

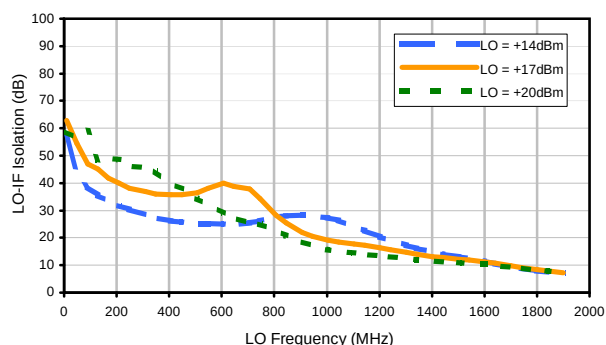


Typical Performance Curves

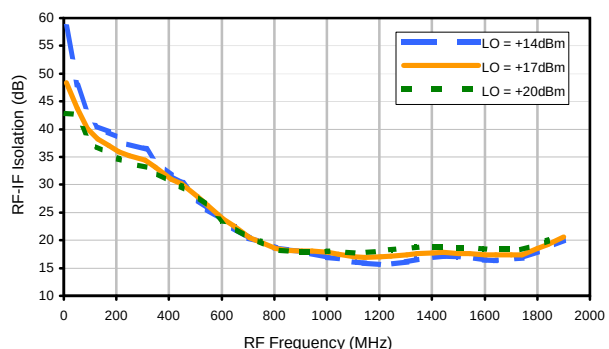
LO-RF Isolation



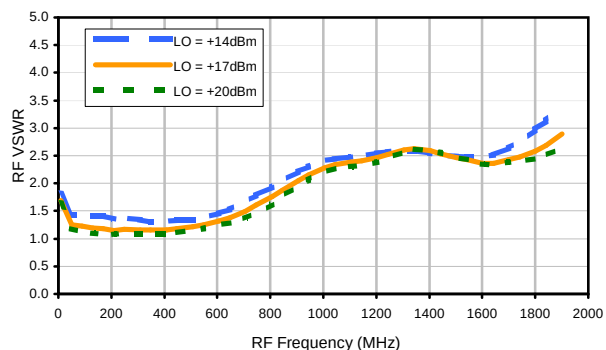
LO-IF Isolation



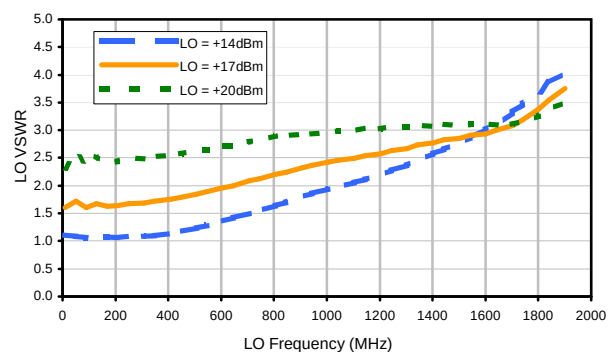
RF-IF Isolation



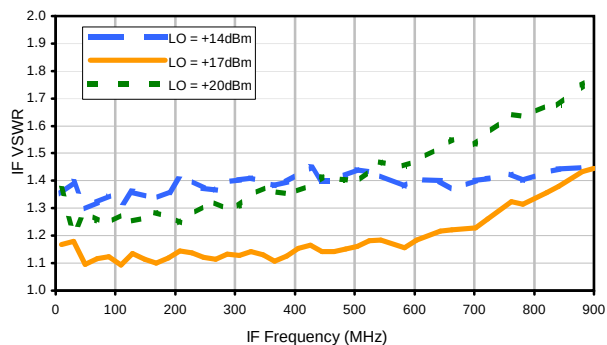
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	5	10	7	26	12	26	19	30	32	36
1	-	12	+0	39	19	36	48	37	27	40	40	49
2	79	41	31	42	29	57	50	47	52	46	68	54
3	100	75	53	55	50	58	61	64	59	60	55	60
4	>100	79	84	69	57	66	56	68	78	71	71	73
5	>100	81	79	84	70	73	64	79	71	85	73	85
6	>100	>92	>92	>92	>92	89	76	85	74	>92	>92	90
7	>100	>92	>92	>92	>92	>92	85	85	79	88	87	>92
8	>100	>92	>92	>92	>92	>92	>92	>92	90	>92	88	>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: 750.1 MHz; -1.00 dBm.

LO IN: 780.01 MHz; +17.00 dBm

IF OUT: 29.91 MHz; -7.96 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	10	21	18	46	26	44	33	48	44	59
1	-	13	+0	38	22	40	42	48	34	48	50	57
2	70	35	24	40	22	44	41	45	47	61	48	60
3	>100	47	43	40	47	47	44	53	53	54	47	62
4	>100	52	72	47	45	44	46	54	56	50	63	59
5	>100	65	61	64	59	49	53	50	60	60	70	56
6	>100	67	64	70	75	64	50	57	51	57	67	61
7	>100	83	78	72	72	73	68	64	55	64	62	70
8	>100	83	78	82	76	92	81	68	68	70	64	67
9	>100	89	83	91	85	71	75	75	69	61	64	67
10	>100	94	95	92	81	91	86	77	85	68	70	62
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 750.1 MHz; 9.00 dBm.

LO IN: 780.01 MHz; +17.00 dBm

IF OUT: 29.91 MHz; 2.03 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

LRMS-5H+

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