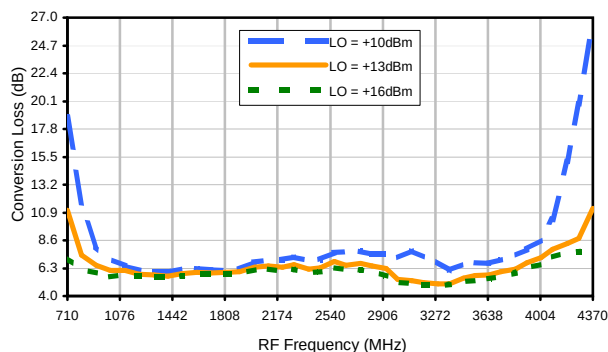


Frequency Mixer

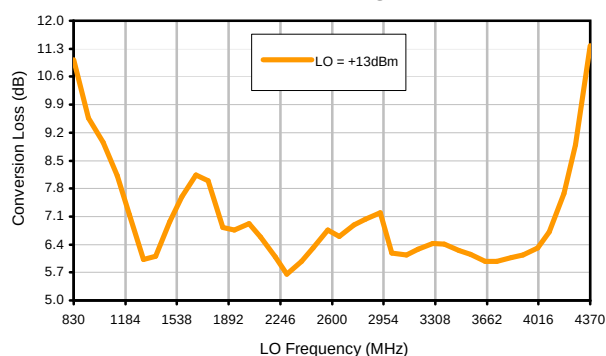
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Typical Performance Curves

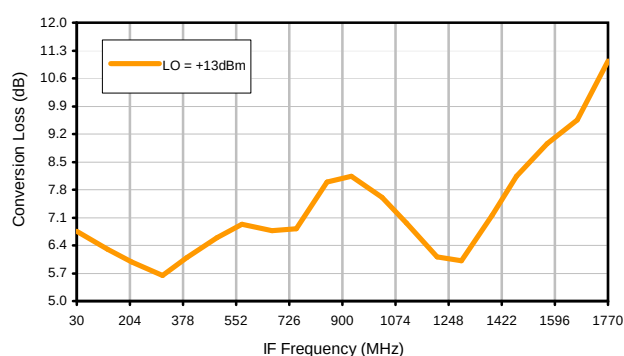
Conversion Loss @ IF=30MHz



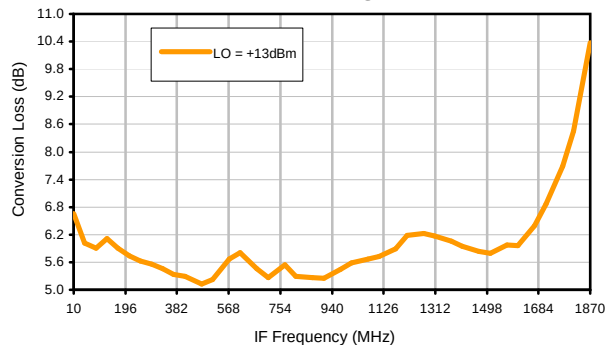
Conversion Loss vs. LO @ RF=2600MHz



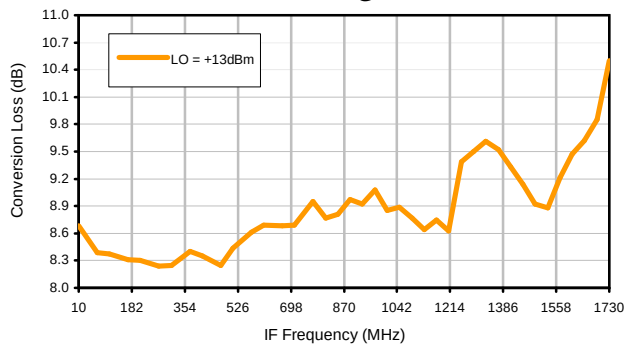
Conversion Loss vs. IF @ RF=2600MHz



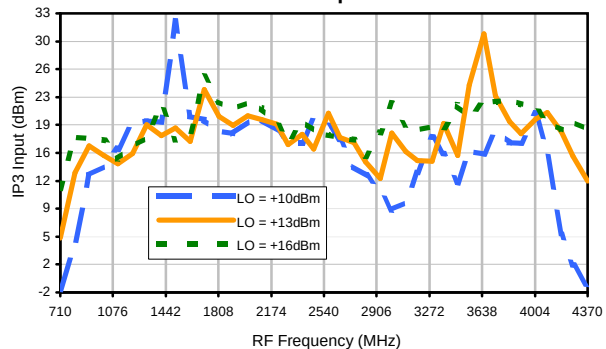
Conversion Loss vs. IF @ RF=989.9MHz



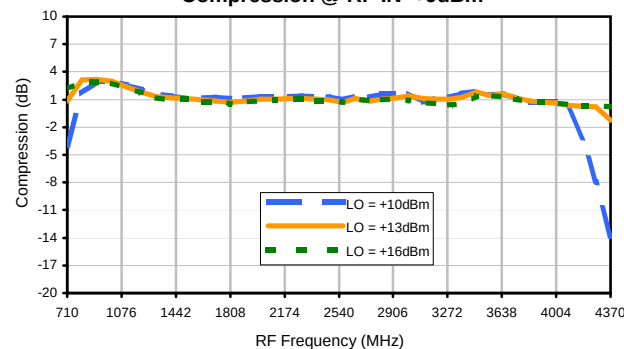
Conversion Loss vs. IF @ RF=4210.1MHz



IP3 Input



Compression @ RF IN=+9dBm



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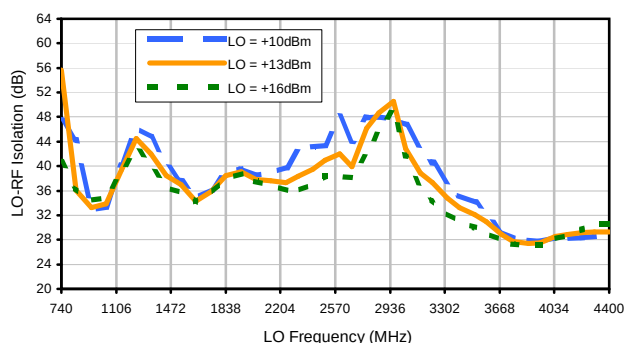


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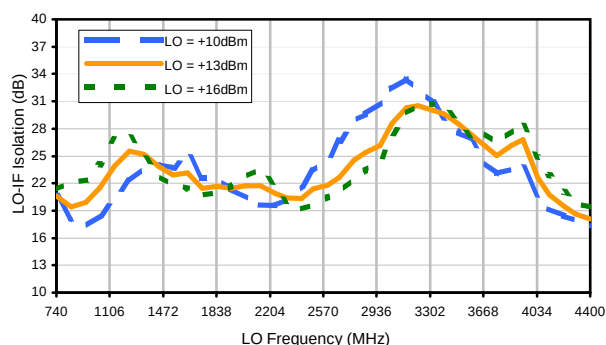


Typical Performance Curves

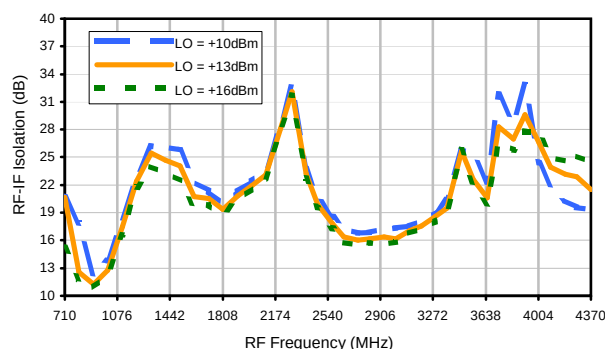
LO-RF Isolation



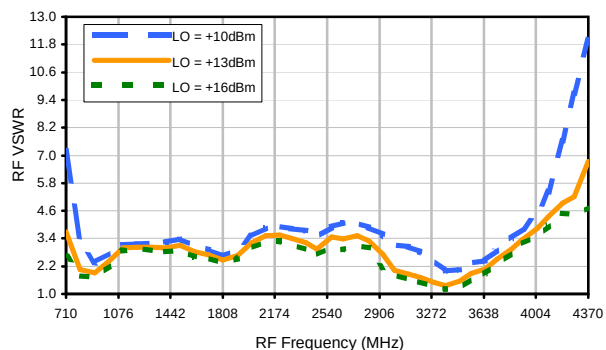
LO-IF Isolation



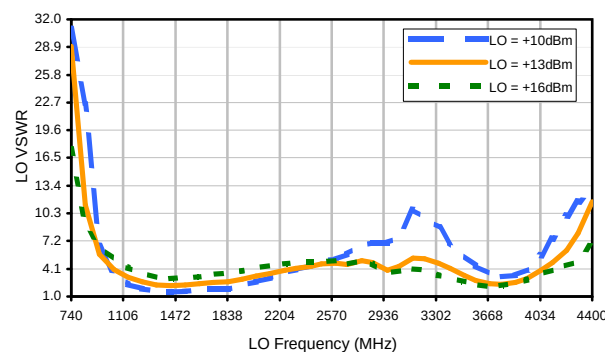
RF-IF Isolation



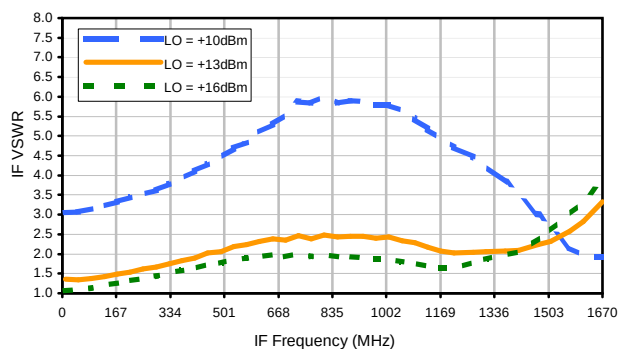
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+3	20	3	29	25	47	36	50	57	---
1	-	11	+0	21	34	27	38	45	44	58	54	66
2	74	45	49	47	70	49	42	58	57	65	63	62
3	>90	53	49	62	63	59	58	73	68	68	73	>77
4	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
5	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
6	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
7	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
8	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
9	>90	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
10	---	---	>77	>77	>77	>77	>77	>77	>77	>77	>77	>77
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

Test conditions:

RF IN: 2600 MHz; -6.00 dBm.
LO IN: 2630 MHz; +13.00 dBm
IF OUT: 30 MHz; -12.79 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	7	33	15	45	41	52	48	60	73	---
1	-	10	+0	25	25	34	49	50	54	66	68	81
2	54	36	39	41	52	42	35	53	53	64	64	62
3	86	32	27	43	40	39	44	50	60	59	65	71
4	>90	67	52	61	62	50	55	59	57	65	68	77
5	>90	59	70	52	45	67	47	61	56	71	67	70
6	>90	84	78	86	76	69	69	69	59	80	69	>87
7	>90	>87	>87	75	>87	68	56	86	58	64	73	71
8	>90	>87	>87	>87	>87	>87	>87	76	77	69	70	78
9	>90	>87	>87	>87	>87	>87	>87	78	66	>87	66	78
10	---	---	>87	>87	>87	>87	>87	>87	>87	87	>87	77
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 2600 MHz; 4.00 dBm.
LO IN: 2630 MHz; +13.00 dBm
IF OUT: 30 MHz; -2.78 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.

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