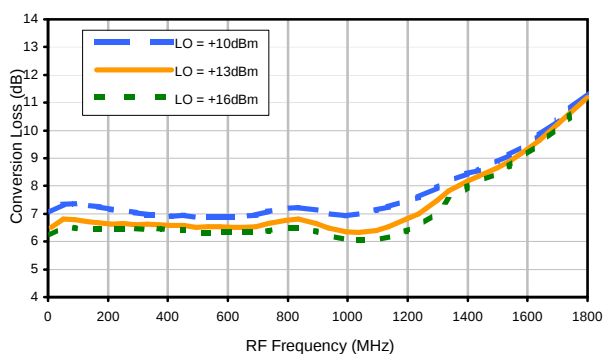


Frequency Mixer

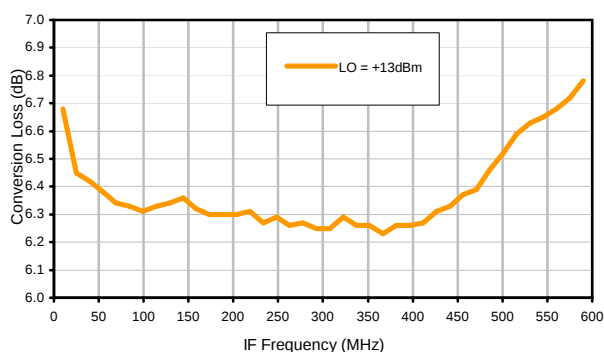
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Typical Performance Curves

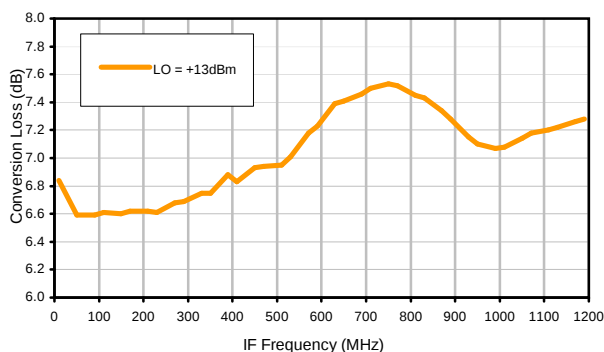
Conversion Loss @ IF=30MHz



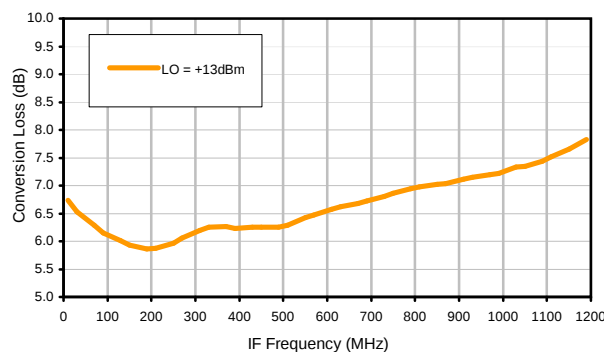
Conversion Loss vs. IF @ RF=600.1MHz



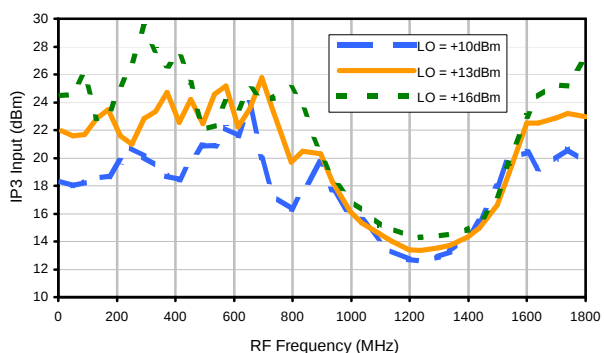
Conversion Loss vs. IF @ RF=10.1MHz



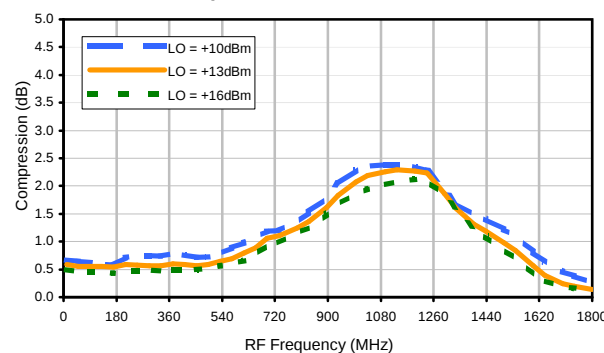
Conversion Loss vs. IF @ RF=1200.1MHz



IP3 Input



Compression @ RF IN=+9dBm



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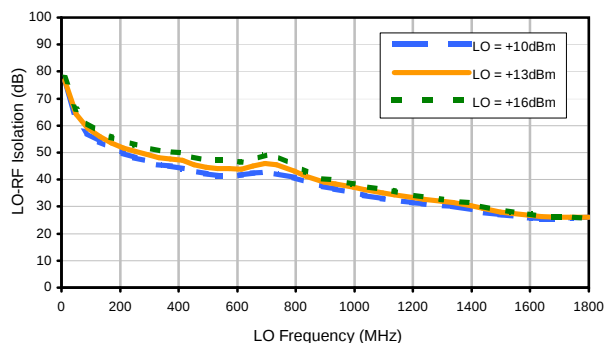


Frequency Mixer

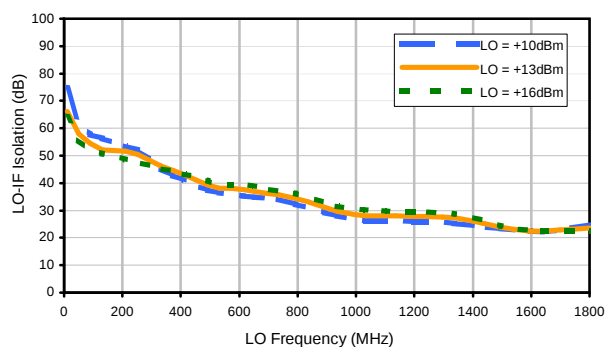
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Typical Performance Curves

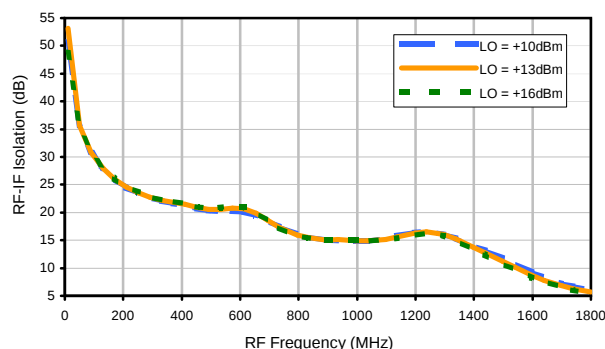
LO-RF Isolation



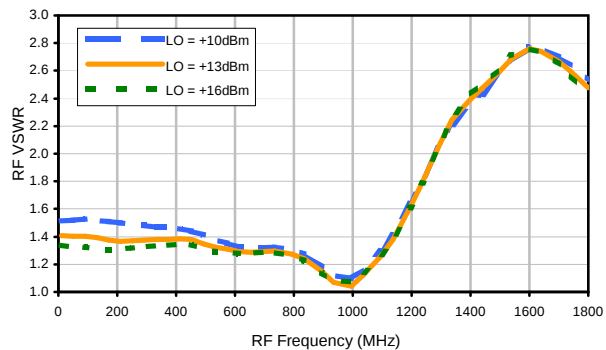
LO-IF Isolation



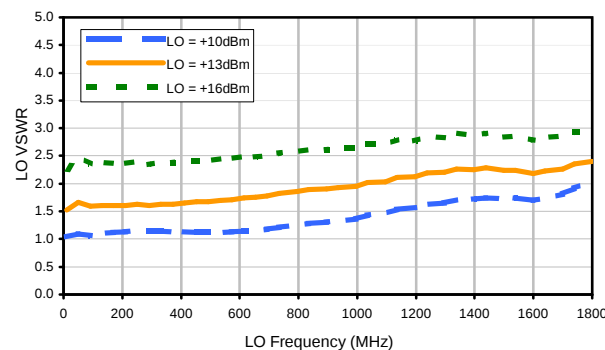
RF-IF Isolation



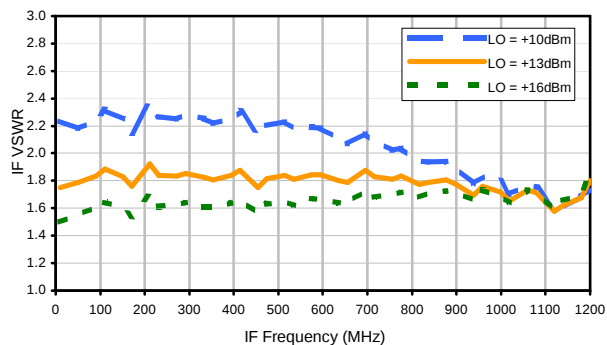
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	22	11	29	22	30	22	45	41	70
1	-	14	+0	36	12	32	30	43	50	37	62	54
2	97	65	57	61	57	66	58	67	64	65	59	78
3	>100	67	70	66	63	68	59	69	75	85	84	84
4	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
5	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
6	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
7	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
8	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
9	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
10	>100	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87	>87
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 600.1 MHz; -6.00 dBm.
LO IN: 630.01 MHz; +13.00 dBm
IF OUT: 29.91 MHz; -12.54 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	21	33	22	42	33	41	34	58	62	73
1	-	15	+0	32	12	33	30	48	57	43	68	61
2	81	54	51	62	45	53	46	54	54	61	51	66
3	>100	44	45	53	49	48	40	54	63	59	60	54
4	>100	78	67	60	66	60	72	59	61	74	79	71
5	>100	71	73	71	57	60	55	64	54	58	69	75
6	>100	95	96	85	74	74	73	75	67	71	77	80
7	>100	91	94	>97	84	76	77	77	75	70	73	82
8	>100	96	92	97	97	95	92	81	82	82	79	76
9	>100	>97	>97	96	>97	>97	>97	89	81	83	82	80
10	>100	>97	>97	>97	>97	>97	>97	96	89	87	90	88
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 600.1 MHz; 4.00 dBm.
LO IN: 630.01 MHz; +13.00 dBm
IF OUT: 29.91 MHz; -2.57 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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