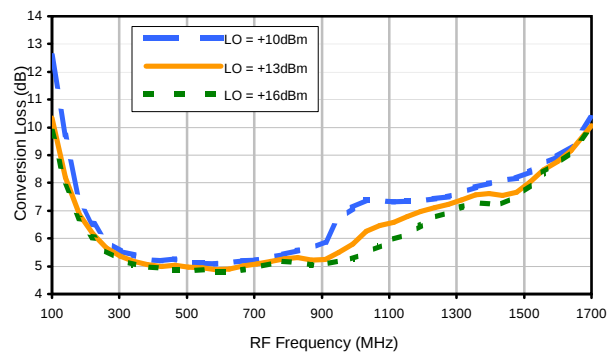


Frequency Mixer

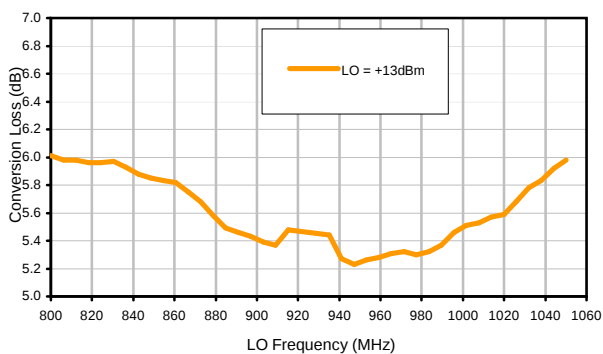
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Typical Performance Curves

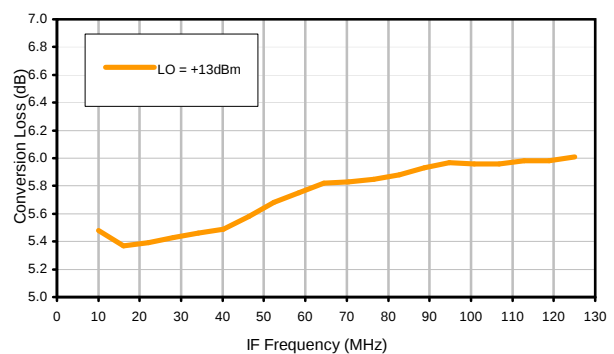
Conversion Loss @ IF=30MHz



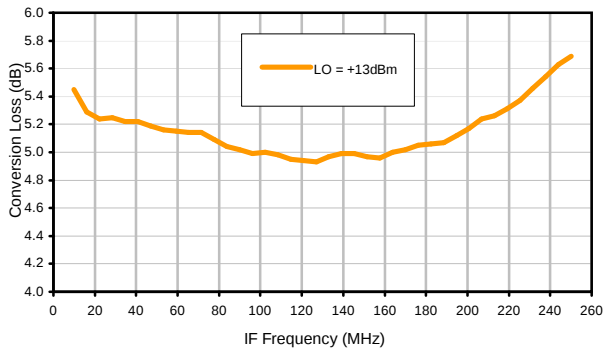
Conversion Loss vs. LO @ RF=925.1MHz



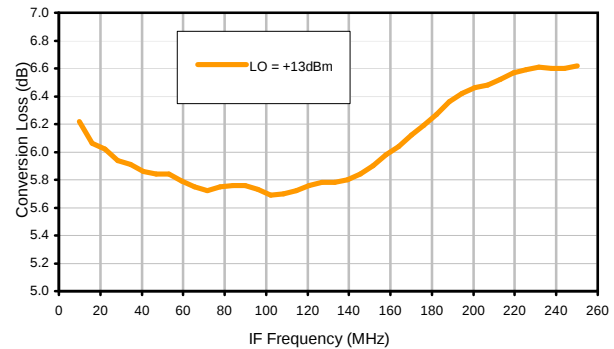
Conversion Loss vs. IF @ RF=925.1MHz



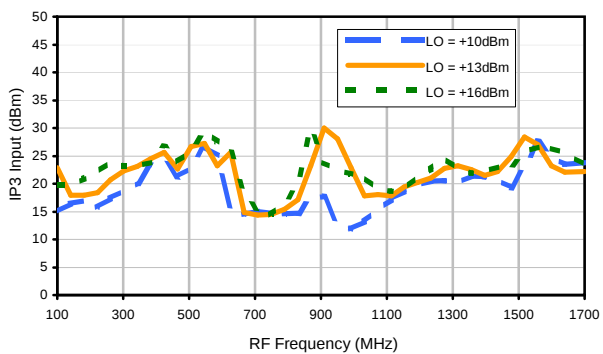
Conversion Loss vs. IF @ RF=800.1MHz



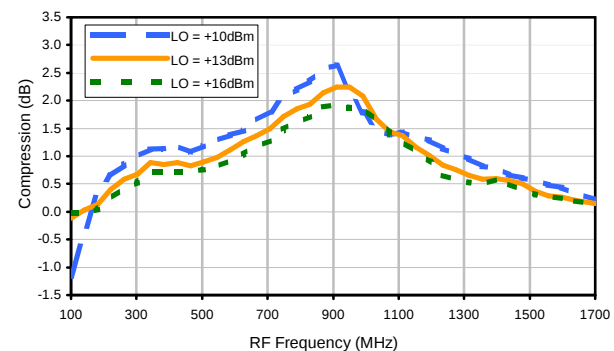
Conversion Loss vs. IF @ RF=1050.1MHz



IP3 Input



Compression @ RF IN=+9dBm



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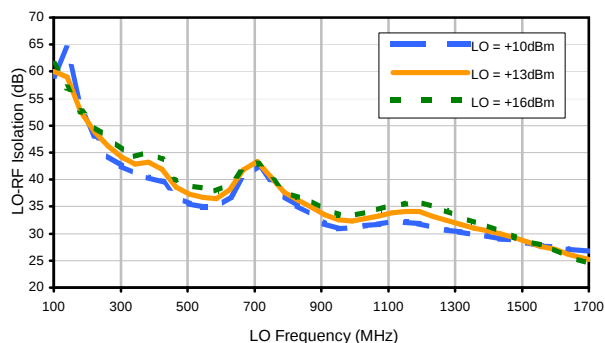
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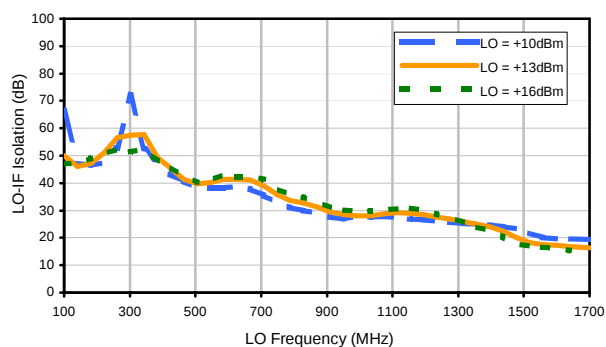
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Typical Performance Curves

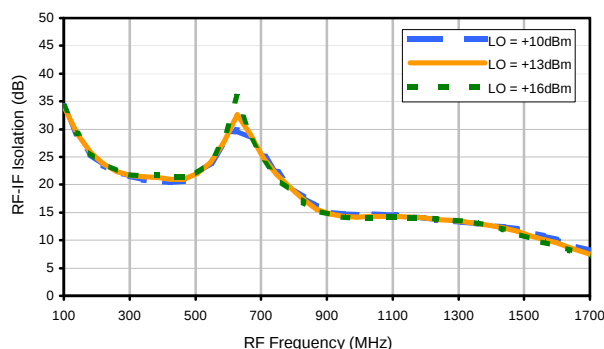
LO-RF Isolation



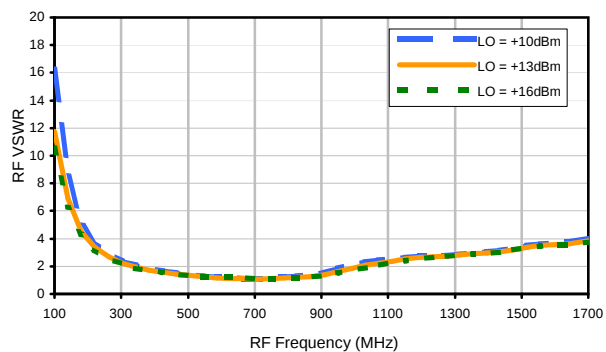
LO-IF Isolation



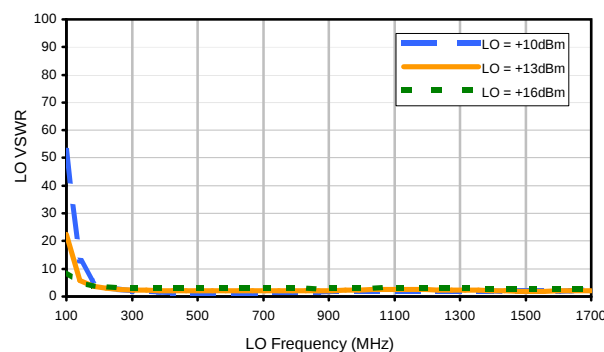
RF-IF Isolation



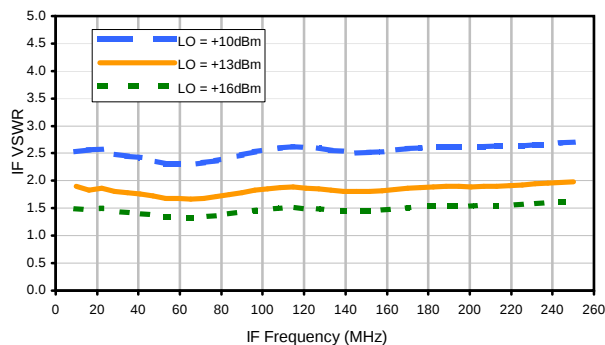
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	14	41	14	24	42	40	55	55	47	59
1	-	9	+0	27	15	37	42	27	45	50	65	60
2	86	41	32	50	33	57	38	54	59	62	68	62
3	>100	54	38	44	43	42	43	61	48	36	63	59
4	100	53	64	56	55	64	48	65	57	52	58	61
5	>100	44	58	62	62	53	49	50	54	61	63	71
6	>100	65	58	73	67	75	60	58	56	64	64	67
7	>100	74	71	54	61	79	62	59	69	64	80	75
8	>100	82	79	82	63	69	85	72	69	77	66	89
9	>100	88	91	82	76	79	80	77	77	80	77	69
10	>100	84	86	>99	89	79	80	97	90	83	83	72
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 920.1 MHz; 4.00 dBm.

LO IN: 950.01 MHz; +13.00 dBm

IF OUT: 29.91 MHz; -1.46 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	5	28	3	14	37	30	42	49	35	39
1	-	9	+0	25	14	35	44	21	42	43	53	56
2	99	50	40	73	43	76	45	54	59	56	84	63
3	>100	82	61	61	61	59	71	66	72	59	75	86
4	>100	88	88	>89	76	82	73	82	81	>89	81	>89
5	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
6	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
7	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
8	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
9	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 920.1 MHz; -6.00 dBm.

LO IN: 950.01 MHz; +13.00 dBm

IF OUT: 29.91 MHz; -11.3 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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