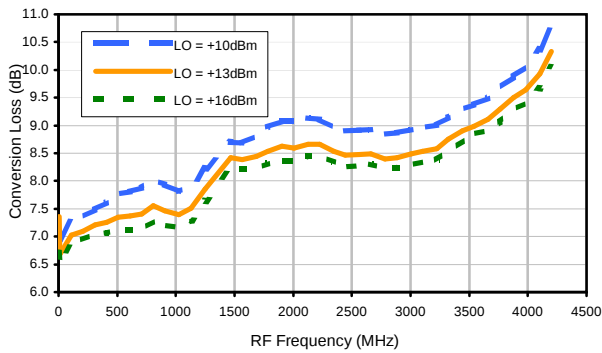


Frequency Mixer

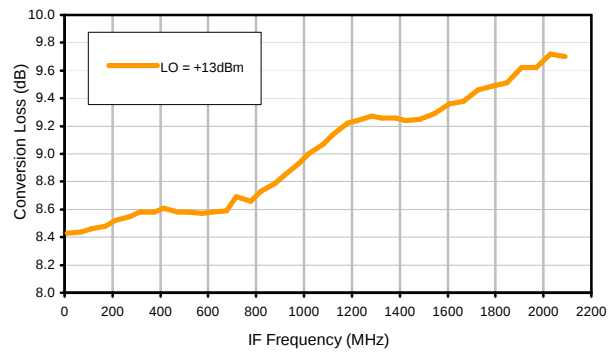
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Typical Performance Curves

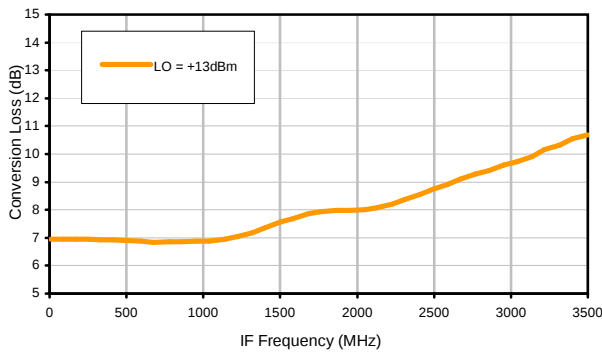
Conversion Loss @ IF=30MHz



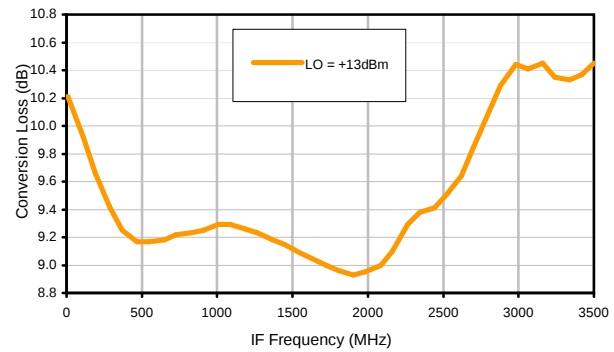
Conversion Loss vs. IF @ RF=2100.1MHz



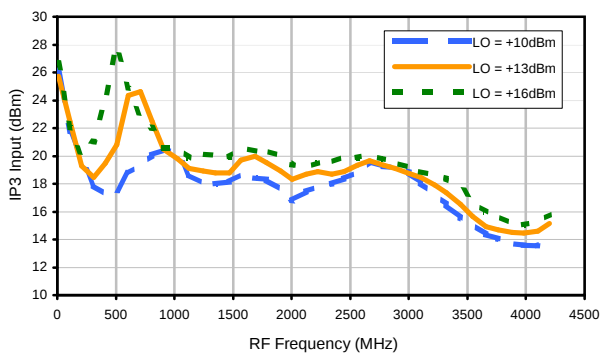
Conversion Loss vs. IF @ RF=10.1MHz



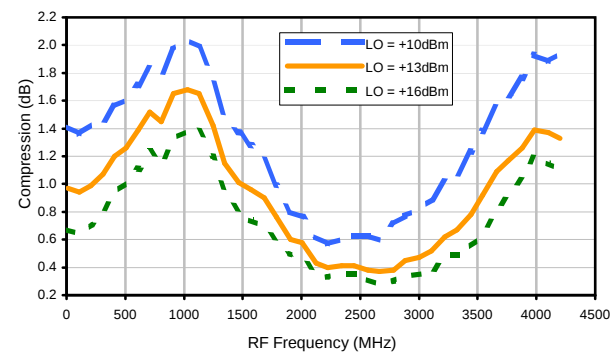
Conversion Loss vs. IF @ RF=4200.1MHz



IP3 Input



Compression @ RF IN=+9dBm



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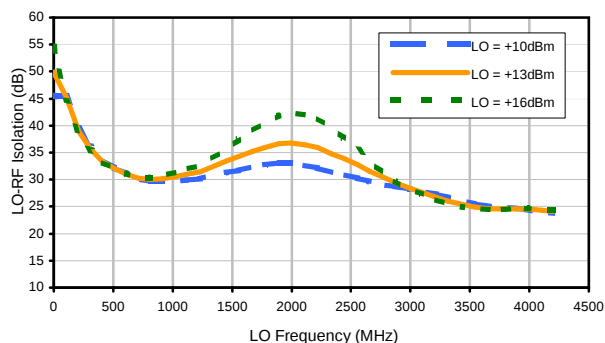


Frequency Mixer

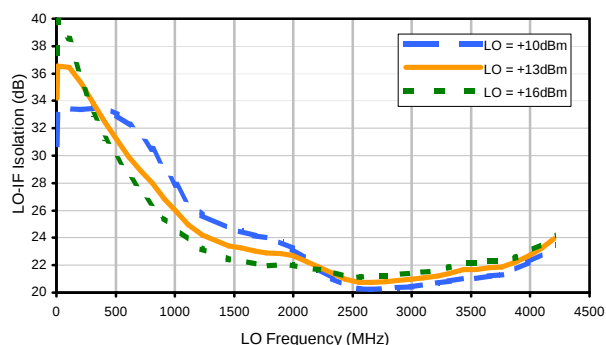
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Typical Performance Curves

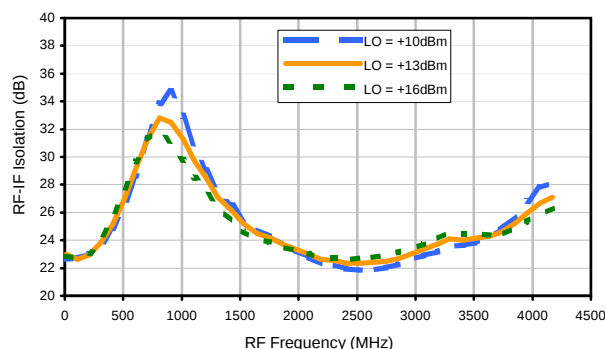
LO-RF Isolation



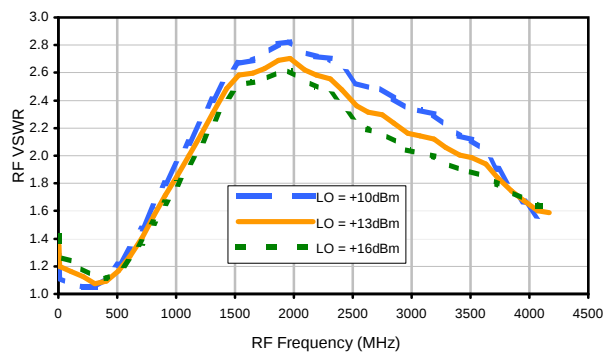
LO-IF Isolation



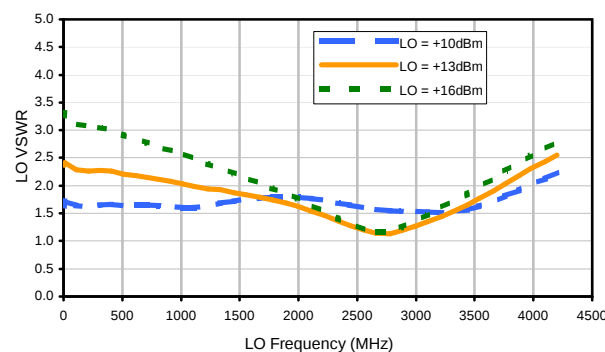
RF-IF Isolation



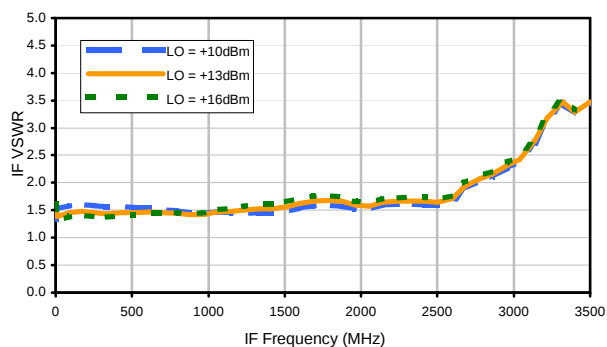
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	5	22	25	40	30	49	45	59	51	61
1	-	16	+0	31	17	40	28	37	41	64	58	59
2	74	60	40	41	60	48	49	51	42	58	64	69
3	>100	48	38	46	40	48	46	52	54	48	54	74
4	77	64	59	69	65	59	58	61	59	63	56	71
5	92	78	66	70	61	64	56	62	61	60	71	62
6	88	90	86	91	88	79	81	72	75	74	70	76
7	89	>95	92	>95	84	79	77	75	72	72	75	73
8	100	>95	>95	>95	93	>95	94	89	89	83	83	85
9	>100	>95	>95	>95	>95	>95	>95	94	91	86	86	82
10	>100	>95	>95	>95	>95	>95	>95	>95	>95	>95	>95	93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2100.1 MHz; 4.00 dBm.
LO IN: 2130.01 MHz; +13.00 dBm
IF OUT: 29.91 MHz; -4.51 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+5	12	14	27	17	36	33	48	34	43
1	-	16	+0	31	17	38	27	33	36	61	56	48
2	84	60	49	51	69	57	73	59	47	65	66	69
3	>100	70	59	69	60	68	65	70	72	65	70	>85
4	91	>85	>85	>85	>85	>85	>85	>85	>85	>85	82	>85
5	>100	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
6	>100	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
7	>100	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
8	>100	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
9	>100	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
10	>100	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2100.1 MHz; -6.00 dBm.
LO IN: 2130.01 MHz; +13.00 dBm
IF OUT: 29.91 MHz; -14.55 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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