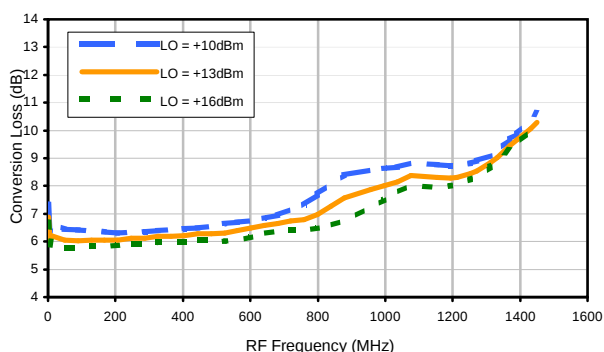


Frequency Mixer

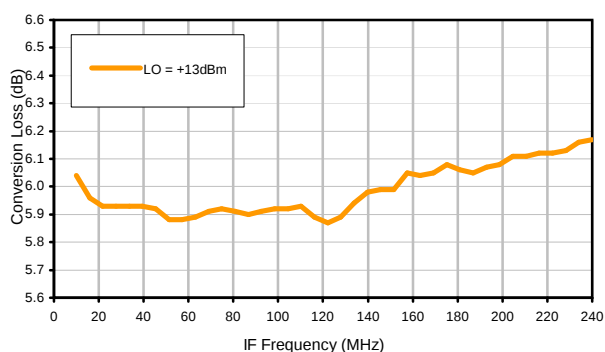
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Typical Performance Curves

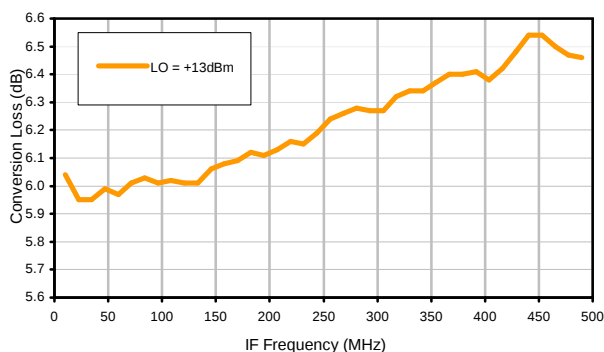
Conversion Loss @ IF=30MHz



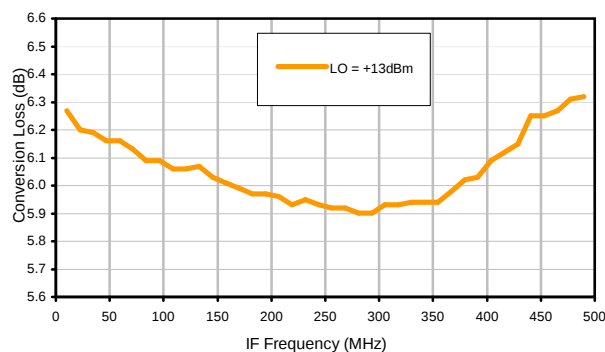
Conversion Loss vs. IF @ RF=250.1MHz



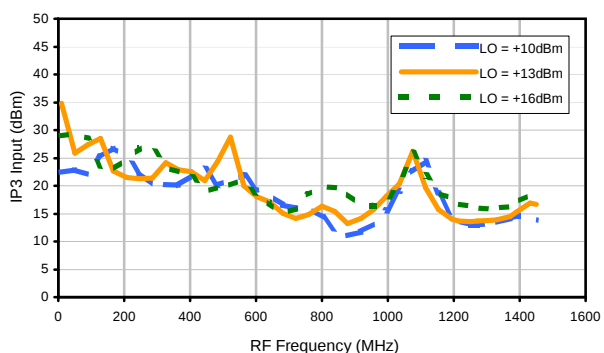
Conversion Loss vs. IF @ RF=10.1MHz



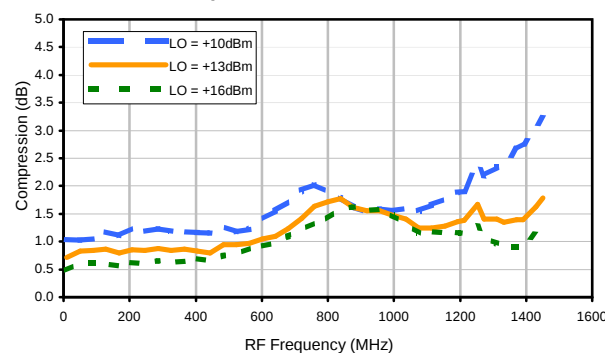
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input



Compression @ RF IN=+9dBm



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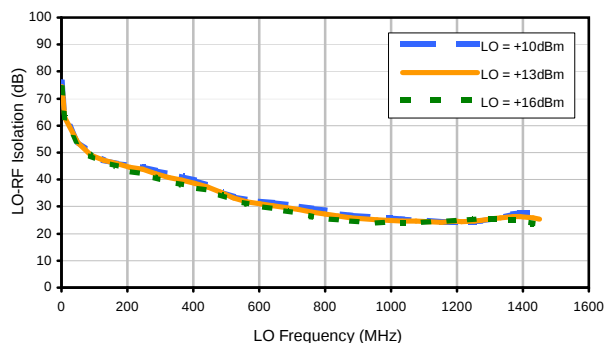


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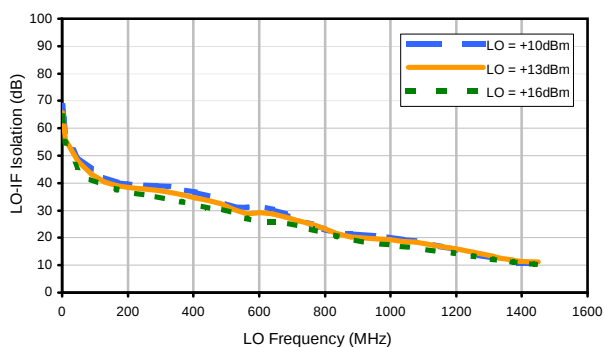


Typical Performance Curves

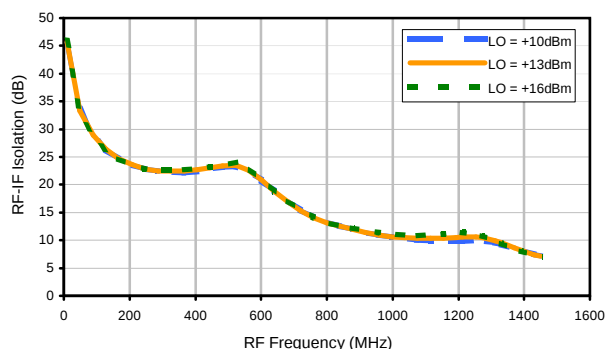
LO-RF Isolation



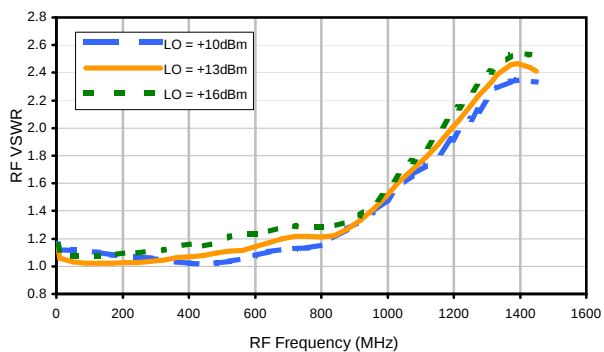
LO-IF Isolation



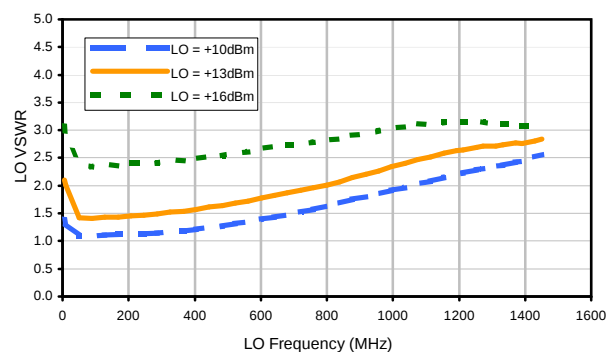
RF-IF Isolation



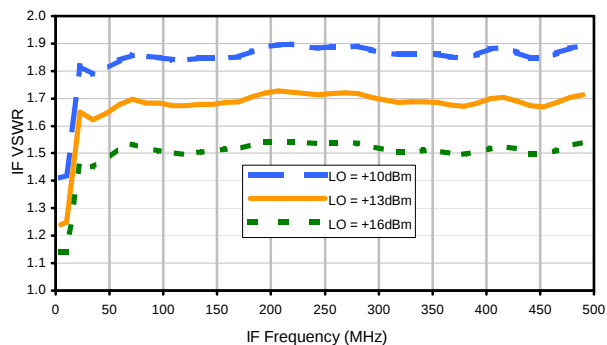
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	17	12	21	13	29	20	41	31	47
1	-	17	+0	27	13	31	19	32	30	49	36	44
2	>100	59	41	53	42	49	41	50	42	58	53	67
3	>100	73	63	68	57	62	51	73	53	66	53	65
4	>100	76	64	79	67	70	69	68	64	71	71	78
5	>100	83	>88	83	78	80	73	81	70	88	72	82
6	>100	>88	>88	>88	88	87	>88	84	87	86	84	>88
7	>100	>88	>88	>88	>88	>88	>88	84	86	>88	87	>88
8	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
9	>100	>88	>88	>88	>88	>88	>88	>88	>88	72	>88	>88
10	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	80	>88
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 250.1 MHz; -6.00 dBm.

LO IN: 280.01 MHz; +13.00 dBm

IF OUT: 29.91 MHz; -12.06 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	20	26	25	35	27	48	35	60	43	63
1	-	17	+0	27	12	32	19	34	30	73	41	52
2	88	51	38	56	38	49	38	46	39	55	46	61
3	>100	44	45	50	56	53	45	47	44	50	50	57
4	>100	77	57	61	56	58	56	53	51	54	50	62
5	>100	57	57	58	56	60	52	57	49	59	48	65
6	>100	73	63	80	64	72	68	67	68	61	60	62
7	>100	80	69	75	69	70	81	69	66	66	62	69
8	>100	74	72	66	64	66	65	77	74	82	81	73
9	>100	82	83	80	72	76	69	73	78	74	77	74
10	>100	88	84	84	84	75	77	72	75	79	71	86
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 250.1 MHz; 4.00 dBm.

LO IN: 280.01 MHz; +13.00 dBm

IF OUT: 29.91 MHz; -2.13 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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