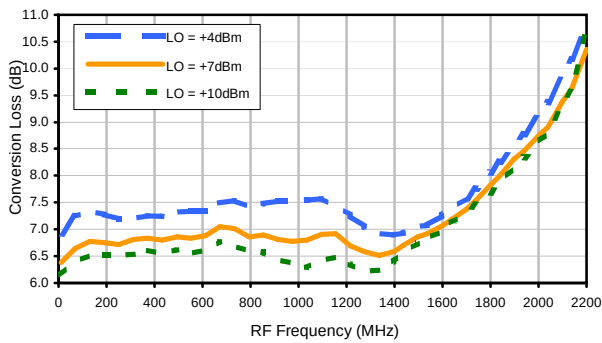


Frequency Mixer

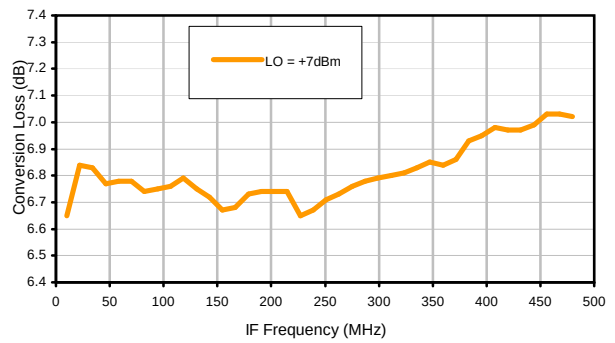
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Typical Performance Curves

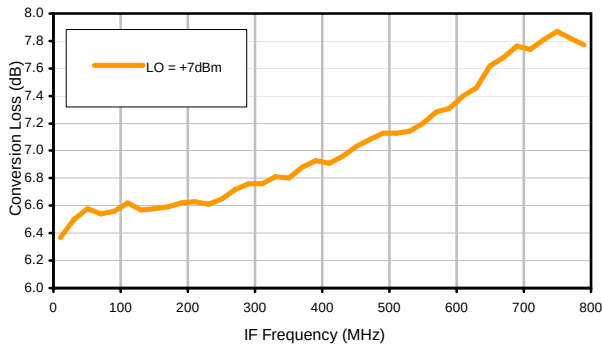
Conversion Loss @ IF=30MHz



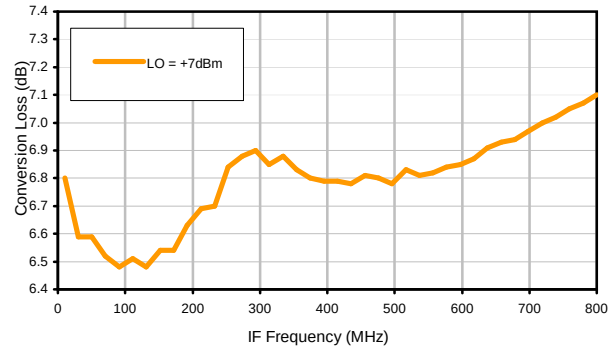
Conversion Loss vs. IF @ RF=500.1MHz



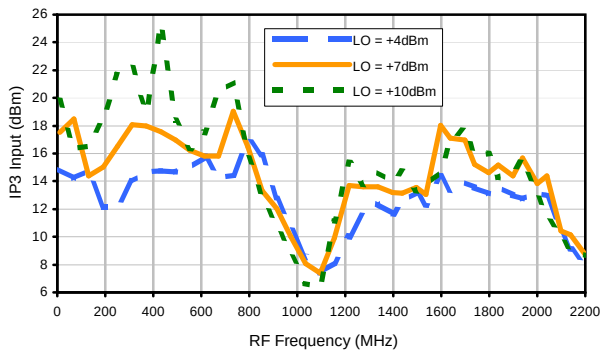
Conversion Loss vs. IF @ RF=10.1MHz



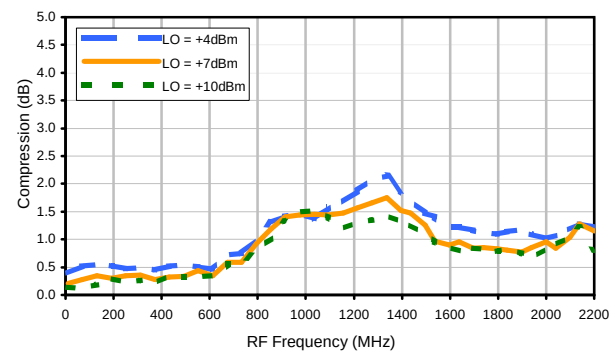
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input



Compression @ RF IN=+1dBm



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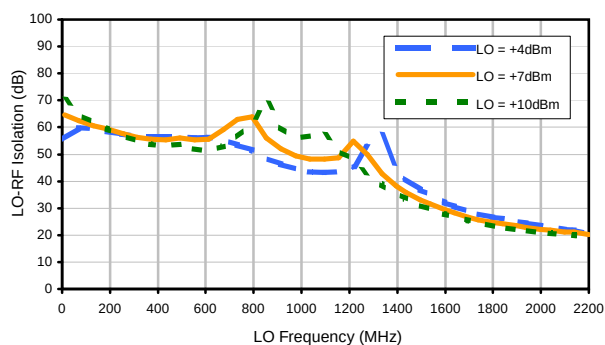


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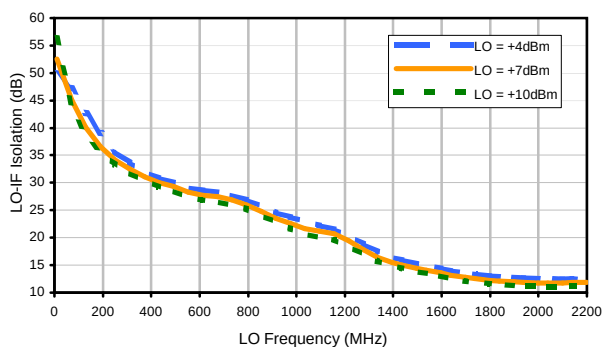


Typical Performance Curves

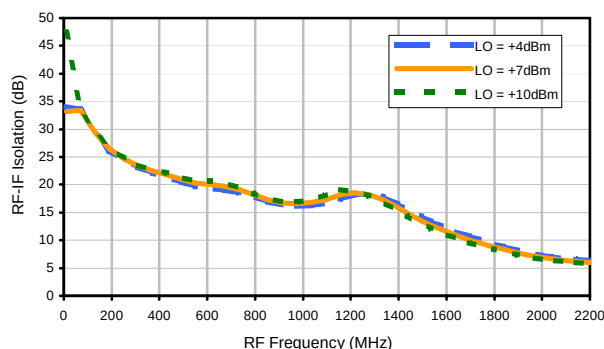
LO-RF Isolation



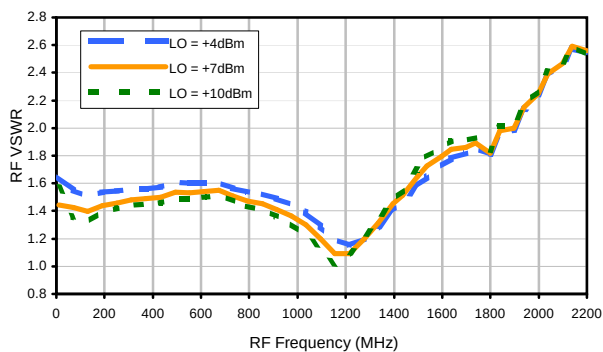
LO-IF Isolation



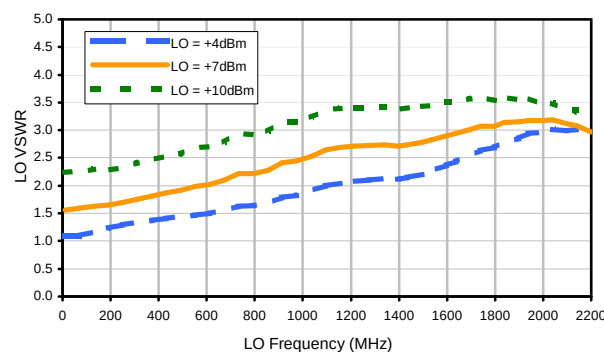
RF-IF Isolation



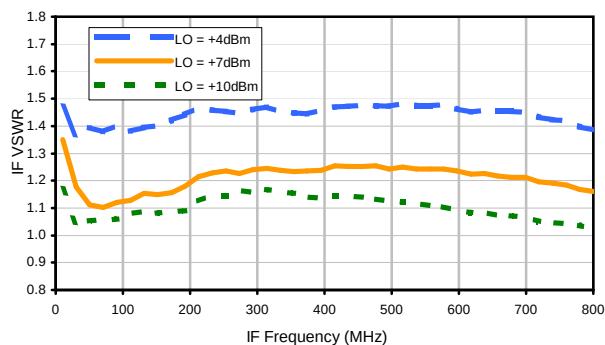
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	0	18	11	32	10	25	17	28	43	48
1	-	14	0	36	15	31	23	36	37	41	46	42
2	105	73	44	72	46	59	48	57	50	61	53	69
3	118	69	81	71	68	73	62	76	69	78	78	105
4	118	95	94	97	80	94	84	95	87	96	96	97
5	119	103	102	103	113	99	87	96	100	99	107	99
6	110	106	101	112	103	99	101	85	98	110	106	110
7	112	107	112	105	111	103	95	86	91	97	96	101
8	122	103	100	103	100	111	109	104	93	88	108	101
9	119	120	102	97	108	105	100	104	97	87	92	102
10	125	98	106	102	100	98	114	102	109	99	91	90
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 500.10 MHz; -14.00 dBm.
LO IN: 530.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -21.22 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	9	28	24	46	21	37	28	39	57	59
1	-	14	0	34	14	33	23	40	38	45	58	47
2	98	61	36	64	36	53	38	51	43	53	47	62
3	113	49	53	54	50	57	45	56	54	55	61	64
4	122	77	72	68	61	68	61	64	64	66	63	79
5	127	74	75	71	61	72	61	69	64	66	68	76
6	109	101	89	80	73	82	71	87	69	94	68	83
7	118	95	93	92	79	92	79	94	80	87	84	96
8	113	100	105	106	101	105	106	94	92	97	90	92
9	118	111	112	107	102	107	106	129	93	96	92	100
10	113	113	113	108	118	109	111	101	101	100	95	108
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 500.10 MHz; -4.00 dBm.
LO IN: 530.01 MHz; +7.00 dBm
IF OUT: 29.91 MHz; -11.38 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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