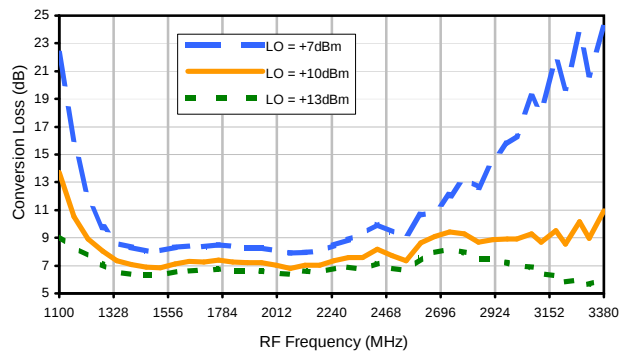


Frequency Mixer

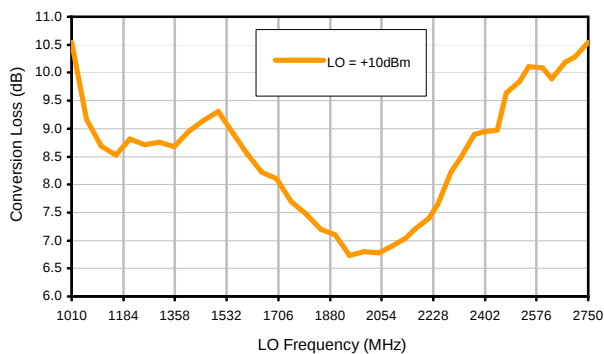
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Typical Performance Curves

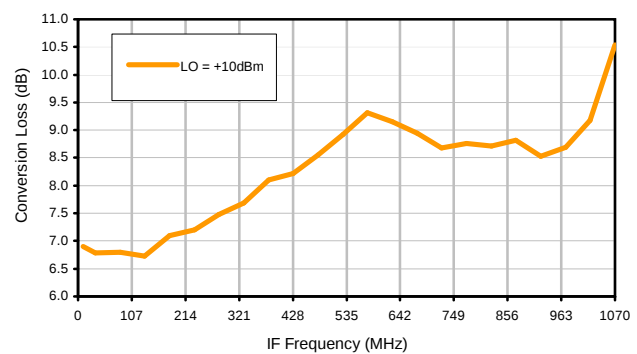
Conversion Loss @ IF=130MHz



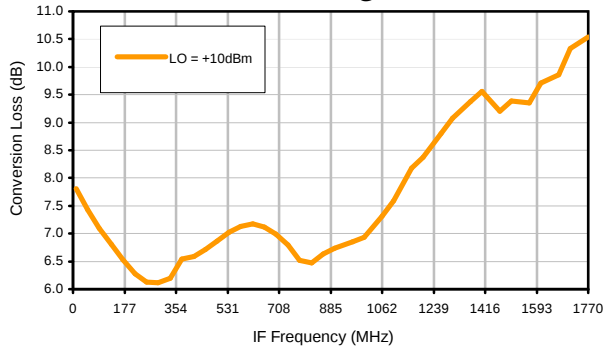
Conversion Loss vs. LO @ RF=2080MHz



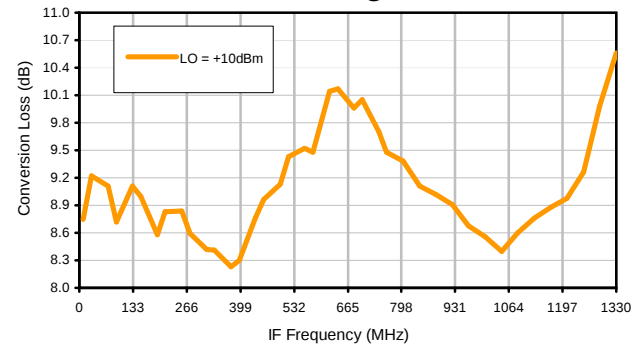
Conversion Loss vs. IF @ RF=2080MHz



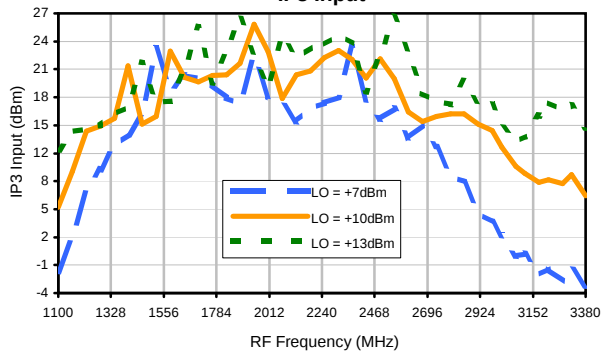
Conversion Loss vs. IF @ RF=1149.9MHz



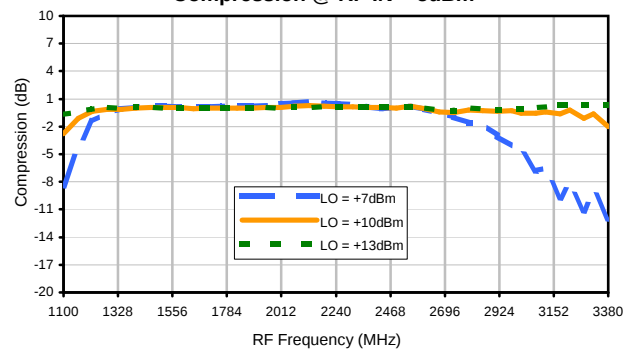
Conversion Loss vs. IF @ RF=3010.1MHz



IP3 Input



Compression @ RF IN=+5dBm



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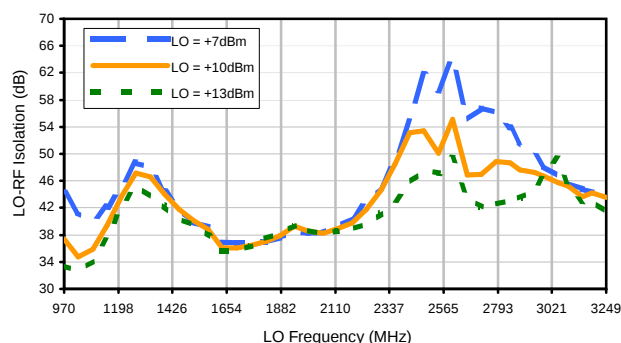


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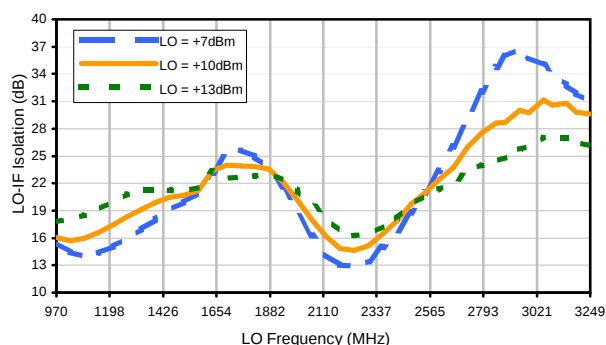


Typical Performance Curves

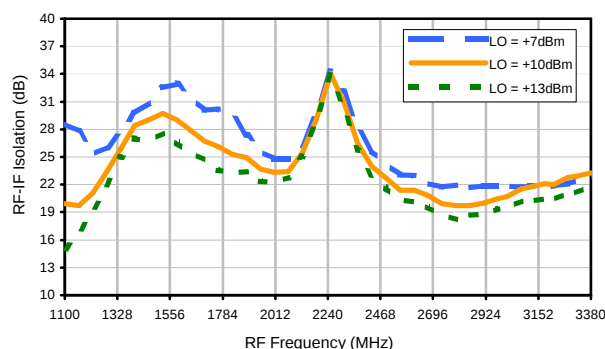
LO-RF Isolation



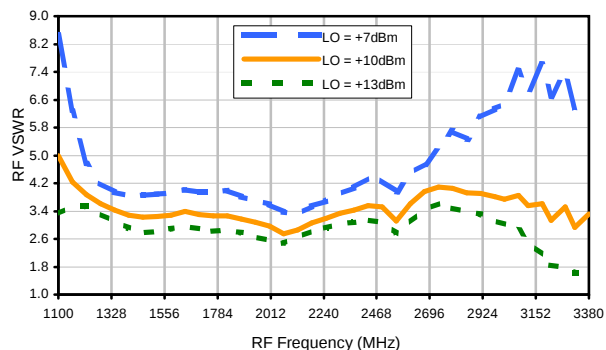
LO-IF Isolation



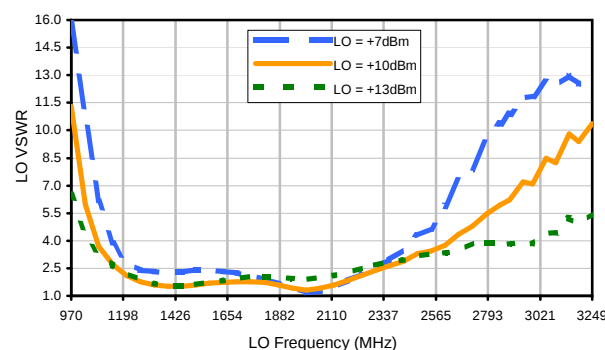
RF-IF Isolation



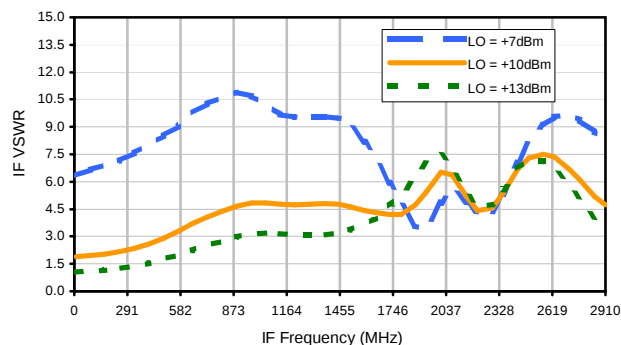
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+5	17	11	20	9	38	20	38	37	50
1	-	17	+0	23	14	38	27	26	43	39	48	61
2	77	58	55	59	71	70	55	59	54	67	60	>73
3	>90	>73	>73	>73	66	72	67	>73	68	>73	>73	>73
4	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
5	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
6	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
7	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
8	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
9	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
10	>90	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73	>73
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

Test conditions:

RF IN: 2080 MHz; -10.00 dBm.

LO IN: 1950 MHz; +10.00 dBm

IF OUT: 130 MHz; -16.8 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	5	28	22	32	20	51	31	50	49	63
1	-	17	+0	23	15	39	27	27	43	42	52	62
2	57	49	46	50	62	58	45	48	45	58	52	75
3	>90	60	54	65	46	53	46	61	47	55	58	63
4	>90	>83	73	75	75	70	71	73	72	71	83	78
5	>90	>83	83	>83	83	>83	77	>83	>83	>83	>83	82
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>90	>83	>83	>83	>83	81	>83	82	>83	>83	>83	>83
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 2080 MHz; 0.00 dBm.

LO IN: 1950 MHz; +10.00 dBm

IF OUT: 130 MHz; -6.9 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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