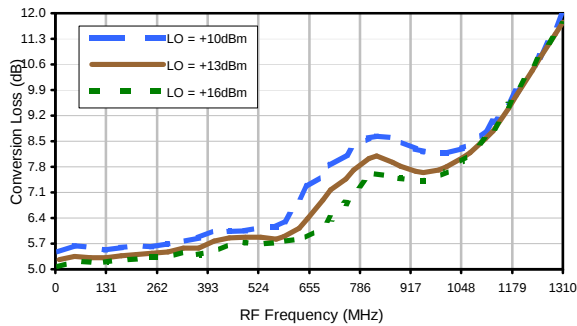


Frequency Mixer

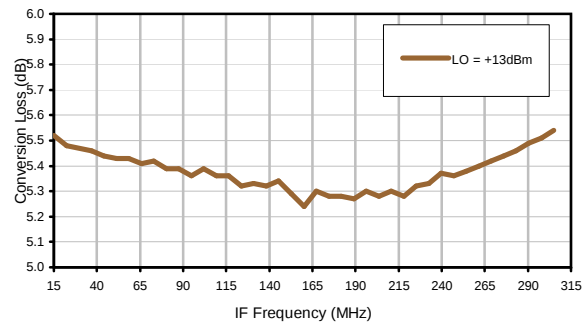
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Typical Performance Curves

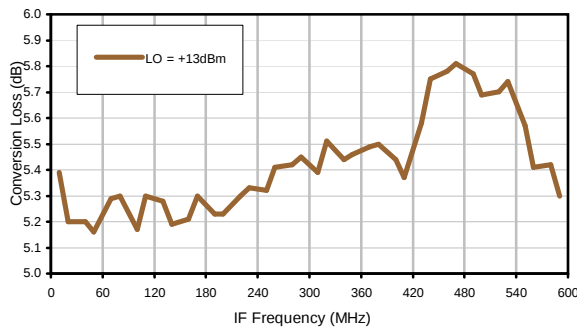
Conversion Loss @ IF=30MHz



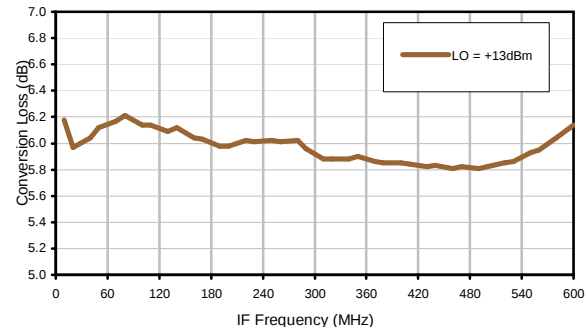
Conversion Loss vs. IF @ RF=315.1MHz



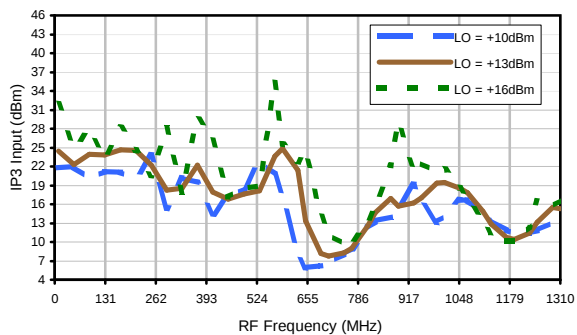
Conversion Loss vs. IF @ RF=10.1MHz



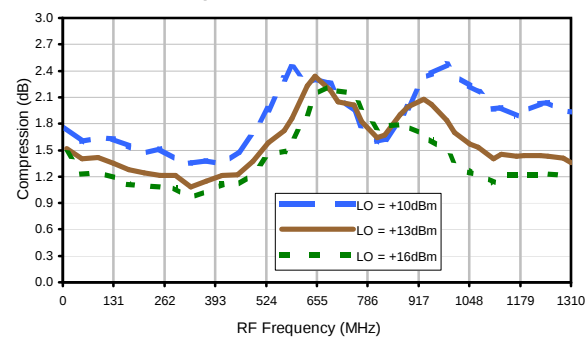
Conversion Loss vs. IF @ RF=610.1MHz



IP3 Input



Compression @ RF IN=+9dBm



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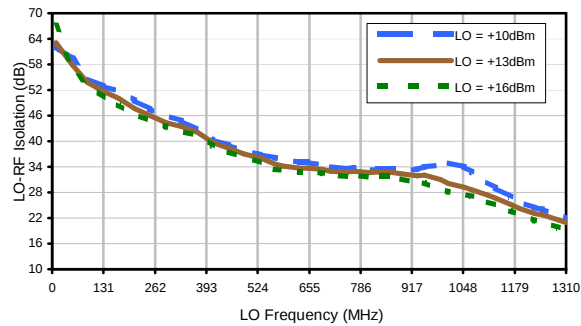


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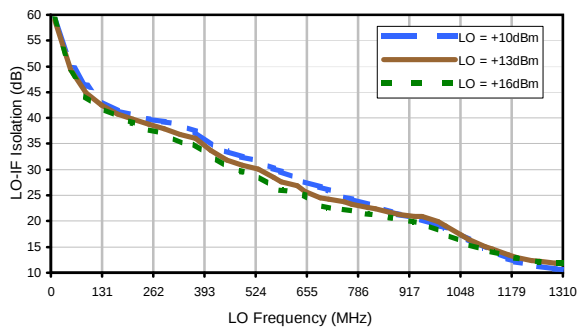


Typical Performance Curves

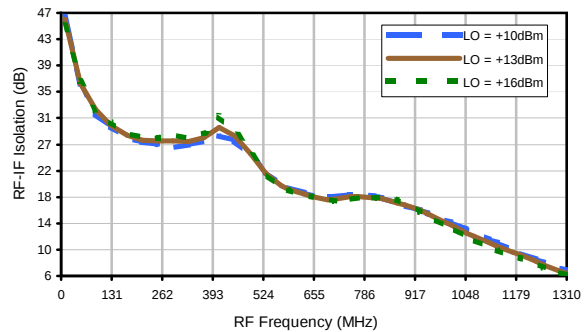
LO-RF Isolation



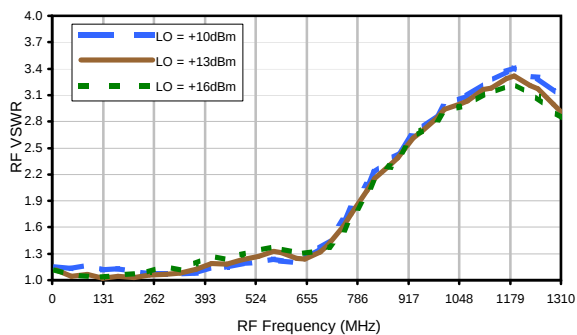
LO-IF Isolation



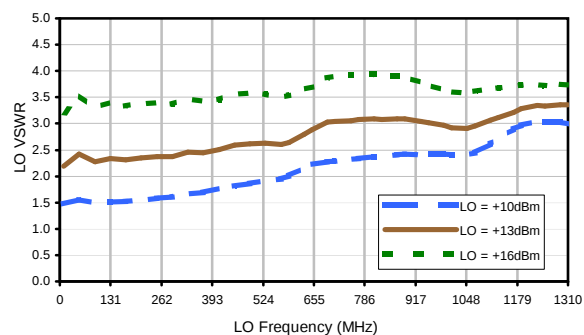
RF-IF Isolation



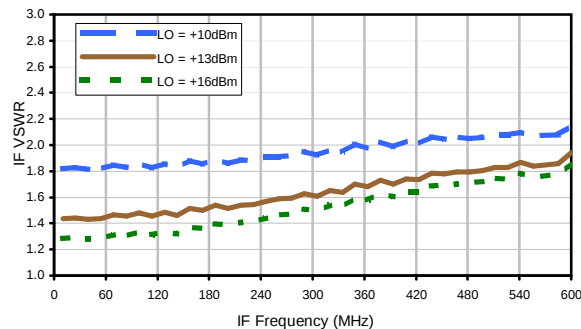
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER	(-dBm)											
	(-dBc)											
0	-	-	16	22	17	26	18	38	32	63	34	52
1	-	19	+0	29	12	31	17	39	39	46	40	52
2	76	53	45	57	46	50	45	58	53	67	55	66
3	> 90	76	53	66	53	68	48	62	52	> 78	57	> 78
4	> 90	> 78	71	> 78	73	> 78	75	78	71	> 78	> 78	> 78
5	> 90	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
6	> 90	> 78	78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78	> 78
7	> 90	> 78	> 78	78	71	77	76	> 78	73	> 78	71	> 78
8	> 90	> 78	57	77	52	62	48	69	53	66	53	75
9	> 90	66	55	67	53	58	45	50	46	57	45	53
10	> 90	51	40	46	39	39	17	31	12	29	+0	19
RF CAL 0 1 2 3 4 5 6 7 8 9 10												

LO HARMONICS ORDER

Test conditions: RF IN: 300.00 MHz; -6.00 dBm.
LO IN: 330.00 MHz; +13.00 dBm
IF OUT: 30.00 MHz; -11.56 dBm

RF HARMONICS ORDER	(-dBm)											
	(-dBc)											
0	-	-	24	32	30	41	31	52	44	73	48	68
1	-	20	+0	29	12	33	18	43	38	52	44	60
2	56	55	42	62	44	53	46	55	50	65	51	68
3	83	49	42	52	44	54	38	57	43	52	49	61
4	> 90	66	57	65	61	62	66	57	56	60	62	69
5	> 90	62	62	60	52	64	48	61	46	69	49	75
6	> 90	75	49	69	46	61	48	64	52	61	62	62
7	> 90	69	62	60	56	57	66	62	61	65	57	66
8	> 90	61	49	52	43	57	38	54	44	52	42	49
9	> 90	68	51	65	50	55	47	53	44	62	42	55
10	> 90	60	45	52	38	43	18	34	12	29	+0	20
RF CAL 0 1 2 3 4 5 6 7 8 9 10												

LO HARMONICS ORDER

Test conditions: RF IN: 300.00 MHz; +4.00 dBm.
LO IN: 330.00 MHz; +13.00 dBm
IF OUT: 30.00 MHz; -1.62 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.