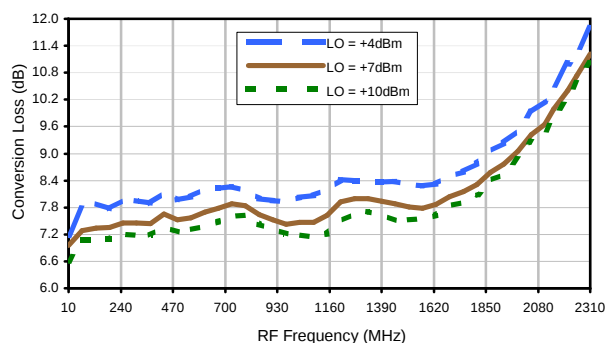


Frequency Mixer

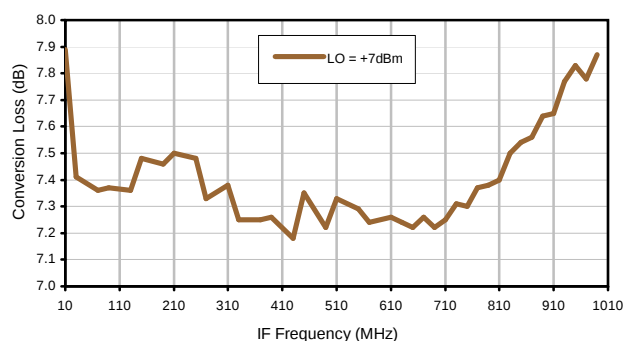
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Typical Performance Curves

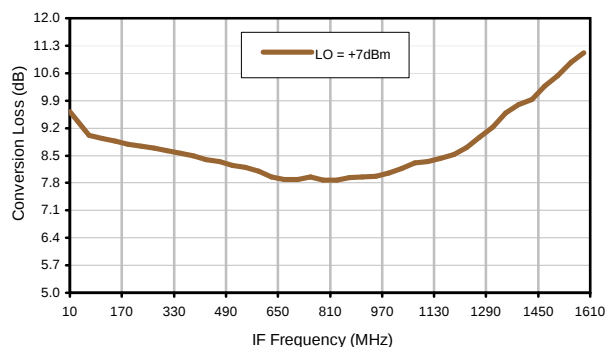
Conversion Loss @ IF=30MHz



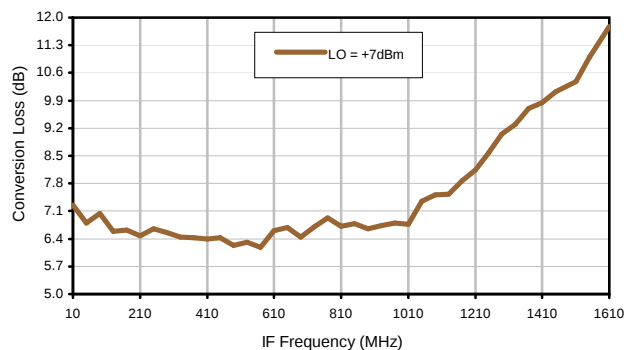
Conversion Loss vs. IF @ RF=1010.1MHz



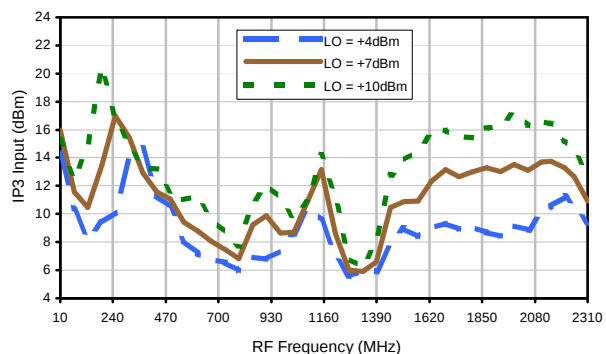
Conversion Loss vs. IF @ RF=10.1MHz



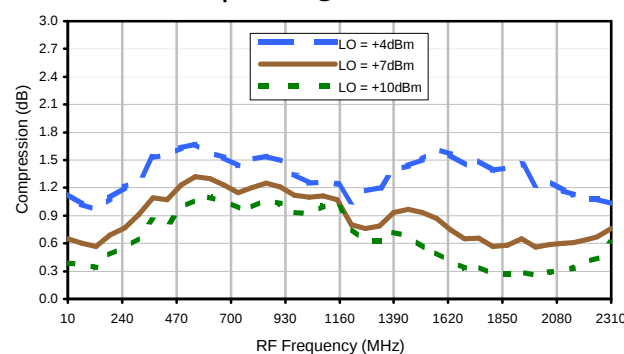
Conversion Loss vs. IF @ RF=2010.1MHz



IP3 Input

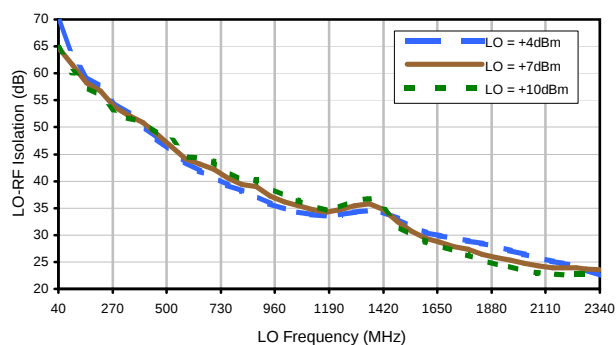


Compression @ RF IN=+1dBm

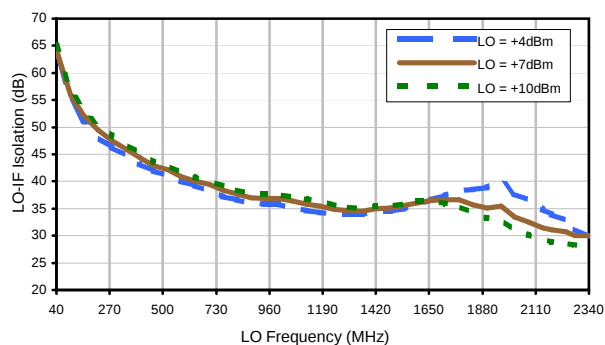


Typical Performance Curves

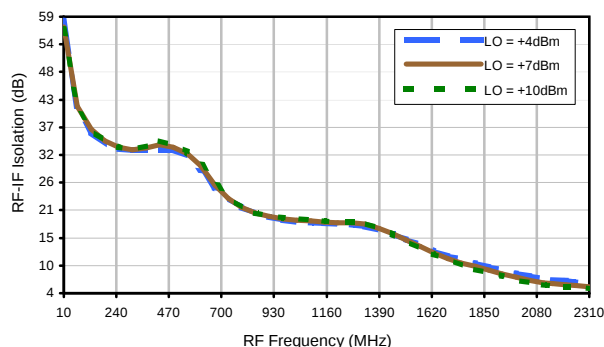
LO-RF Isolation



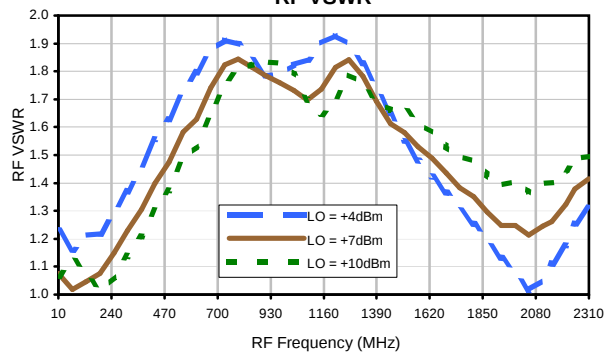
LO-IF Isolation



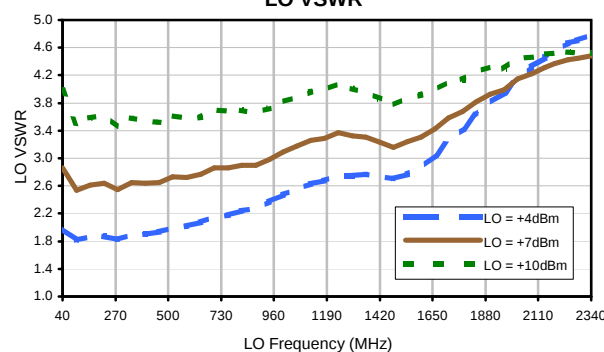
RF-IF Isolation



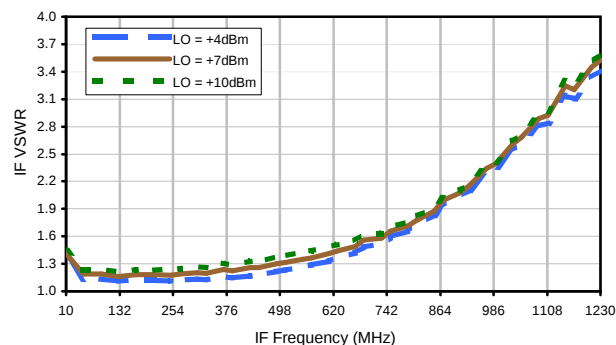
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	8	20	11	28	24	42	38	48	43	51
1	-	11	+0	26	24	25	27	29	35	37	35	44
2	87	67	64	62	>68	58	46	62	53	65	60	>68
3	>90	58	63	63	54	61	>68	57	61	59	62	63
4	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
5	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
6	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
7	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
8	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
9	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
10	>90	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68	>68
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1005 MHz; -14.00 dBm.
LO IN: 1035 MHz; +7.00 dBm
IF OUT: 30 MHz; -21.92 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	18	31	23	40	39	55	54	63	59	72
1	-	11	+0	30	24	29	32	35	44	50	53	64
2	67	51	54	53	66	53	42	56	51	64	64	69
3	>90	39	44	47	37	45	59	42	47	45	52	54
4	>90	68	68	75	68	74	71	70	56	68	60	74
5	>90	72	77	70	61	63	52	62	62	55	60	59
6	>90	>78	>78	>78	>78	>78	>78	>78	>78	78	68	>78
7	>90	>78	>78	>78	>78	77	71	73	65	75	75	71
8	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
9	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
10	>90	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78	>78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1005 MHz; -4.00 dBm.
LO IN: 1035 MHz; +7.00 dBm
IF OUT: 30 MHz; -11.87 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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