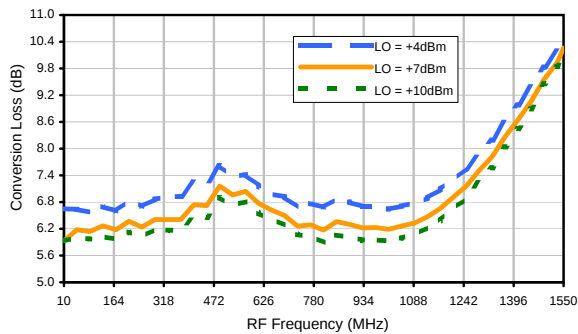


Frequency Mixer

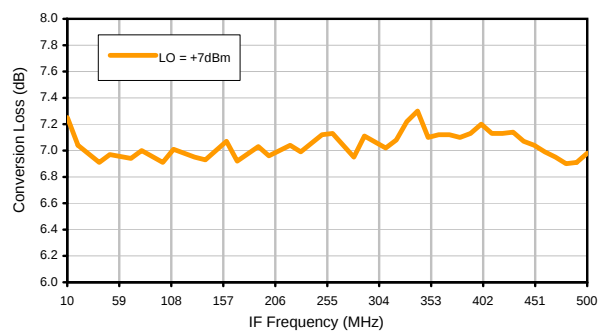
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Typical Performance Curves

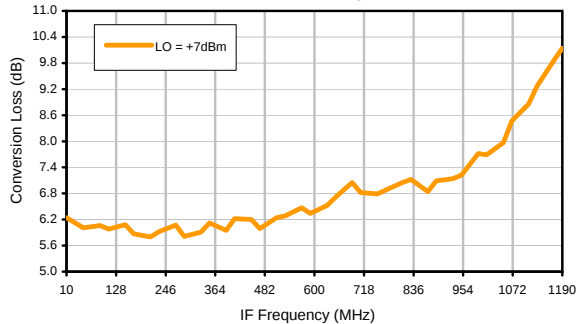
Conversion Loss @ IF=30MHz



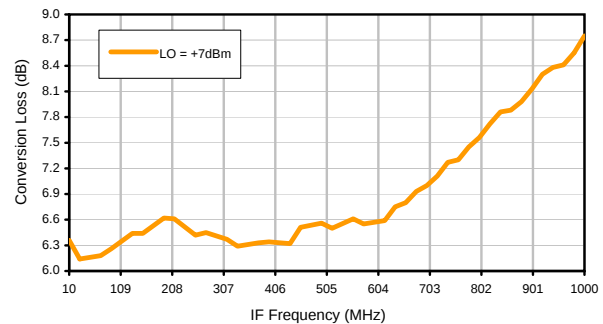
Conversion Loss vs. IF @ RF=510.1MHz



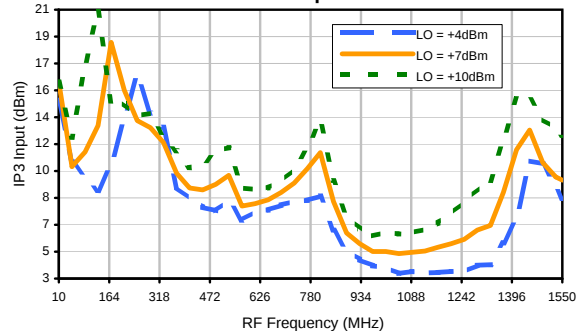
Conversion Loss vs. IF @ RF=10.1MHz



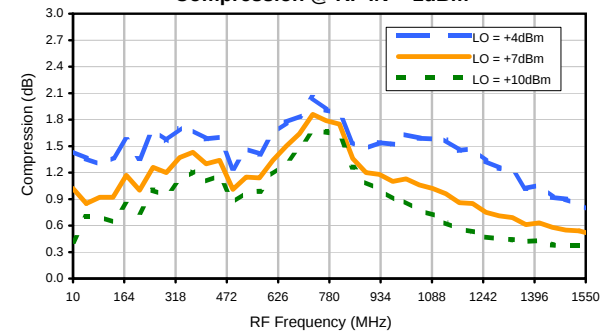
Conversion Loss vs. IF @ RF=1010.1MHz



IP3 Input



Compression @ RF IN=+1dBm



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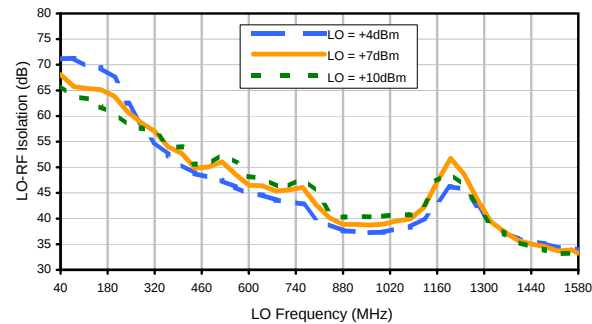


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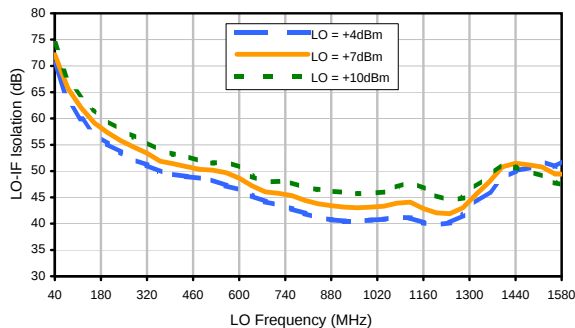


Typical Performance Curves

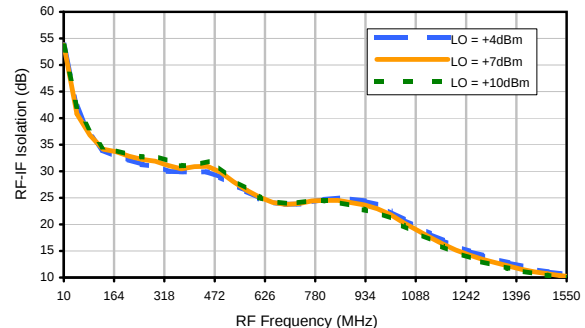
LO-RF Isolation



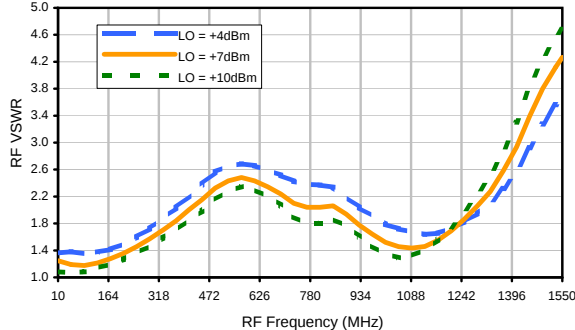
LO-IF Isolation



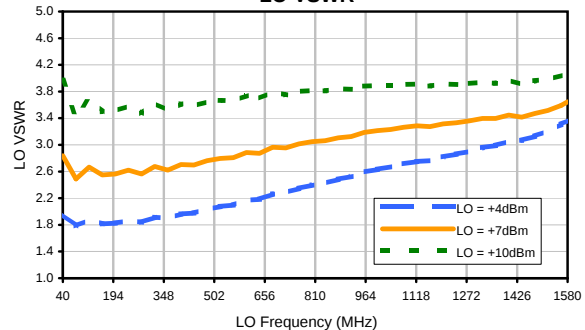
RF-IF Isolation



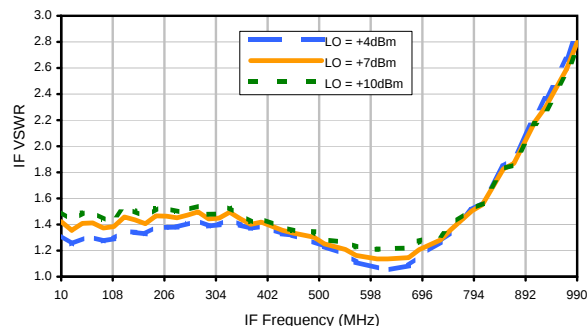
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

SRA-2+

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	23	30	29	38	24	26	19	55	25	59
1	-	23	+0	34	20	31	39	30	30	30	44	38
2	>90	66	65	65	>69	54	>69	>69	61	59	45	61
3	>90	62	52	65	53	>69	51	61	>69	61	60	68
4	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
5	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
6	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
7	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
8	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
9	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69
10	>90	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69	>69

RF CAL 0 1 2 3 4 5 6 7 8 9 10

Test conditions: RF IN: 500.5 MHz; -14.00 dBm.
LO IN: 530.5 MHz; +7.00 dBm
IF OUT: 30 MHz; -21.09 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	32	39	38	50	35	39	35	65	44	64
1	-	23	+0	39	18	36	42	35	33	38	53	49
2	72	60	63	69	78	51	61	66	56	52	42	65
3	>90	45	36	50	38	54	38	45	61	47	53	54
4	>90	>79	74	71	73	65	67	60	72	>79	70	66
5	>90	73	65	74	52	64	53	64	52	66	>79	62
6	>90	>79	>79	>79	>79	>79	>79	>79	73	76	>79	>79
7	>90	75	>79	>79	>79	>79	75	76	67	72	69	75
8	>90	>79	>79	>79	>79	>79	>79	>79	78	>79	>79	>79
9	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79
10	>90	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79	>79

RF CAL 0 1 2 3 4 5 6 7 8 9 10

LO HARMONICS ORDER

Test conditions: RF IN: 500.5 MHz; -4.00 dBm.
LO IN: 530.5 MHz; +7.00 dBm
IF OUT: 30 MHz; -11.17 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.