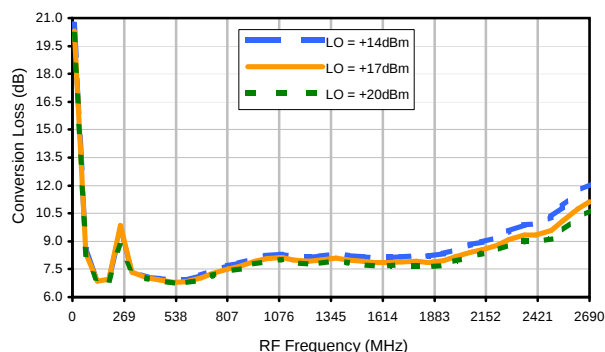


Frequency Mixer

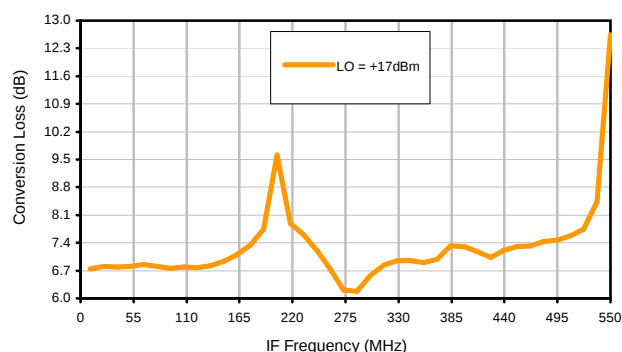
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Typical Performance Curves

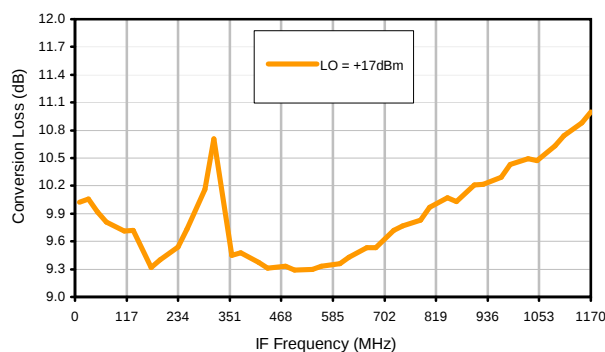
Conversion Loss @ IF=110MHz



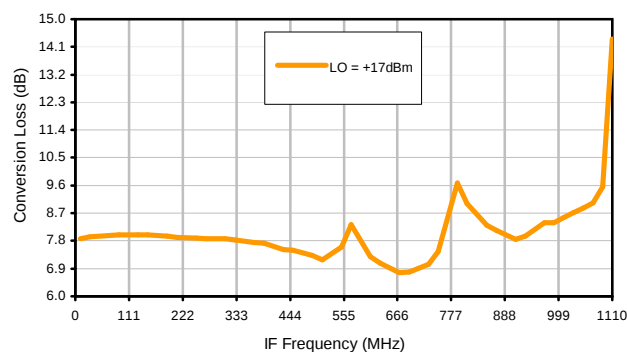
Conversion Loss vs. IF @ RF=560.1MHz



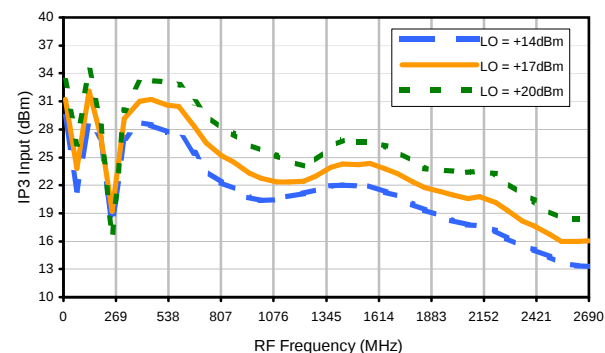
Conversion Loss vs. IF @ RF=39.9MHz



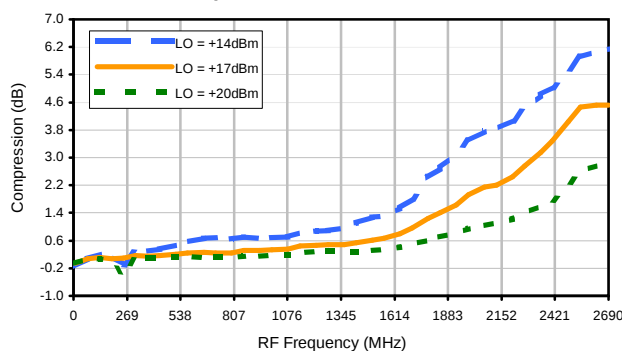
Conversion Loss vs. IF @ RF=1120.1MHz



IP3 Input

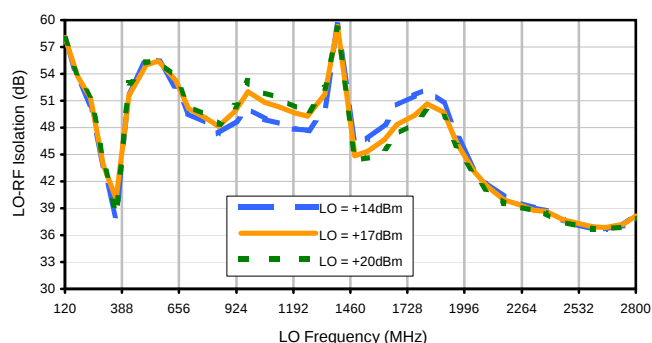


Compression @ RF IN=+15dBm

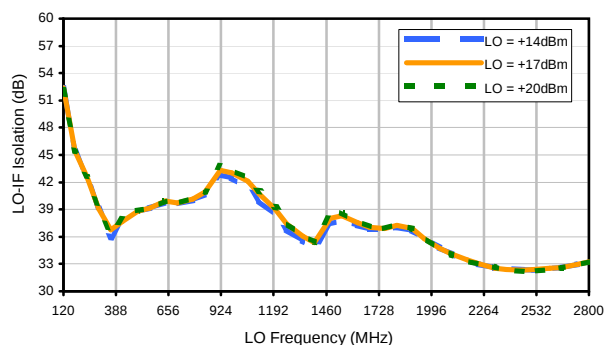


Typical Performance Curves

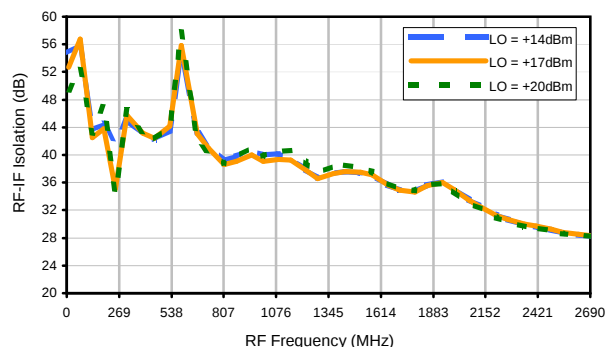
LO-RF Isolation



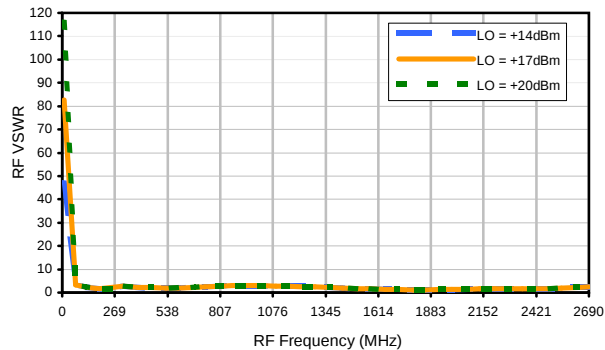
LO-IF Isolation



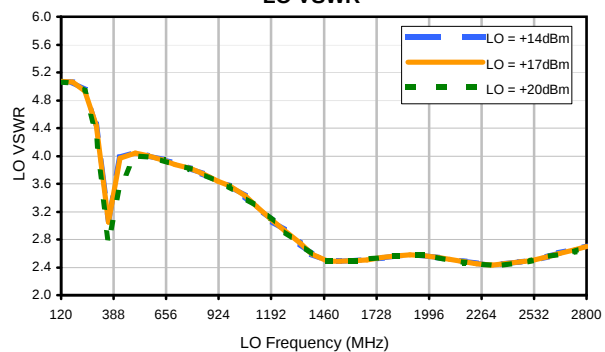
RF-IF Isolation



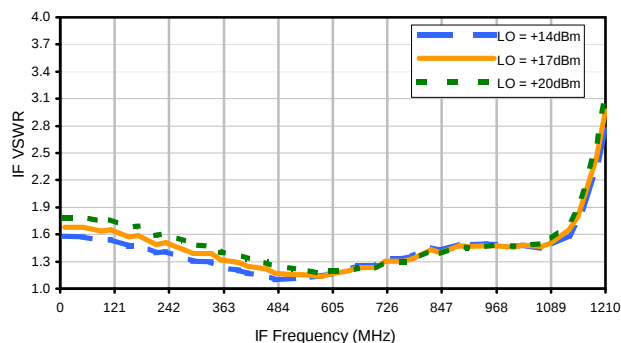
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	29	40	43	65	52	50	62	56	51
1	-	36	+0	46	14	52	40	55	51	54	79	64
2	63	63	57	60	60	66	72	78	77	>83	>83	74
3	>90	>83	72	>83	66	>83	70	>83	>83	>83	>83	>83
4	>90	>83	>83	>83	>83	>83	83	>83	>83	>83	>83	>83
5	>90	>83	>83	>83	>83	>83	80	>83	>83	>83	>83	>83
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	82	>83	81	>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	>83	>83	>83	>83	>83	>83	>83
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 580 MHz; 0.00 dBm.
LO IN: 690 MHz; +17.00 dBm
IF OUT: 110 MHz; -6.9 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	27	38	50	52	76	60	60	69	71	64
1	-	37	+0	45	15	54	43	54	54	54	76	67
2	43	53	47	52	48	59	60	70	68	83	77	71
3	67	78	51	71	44	76	48	78	66	78	67	80
4	>90	93	79	76	75	76	76	81	>93	93	86	>93
5	>90	>93	81	>93	71	85	72	82	79	>93	>93	>93
6	>90	>93	>93	>93	93	>93	85	88	86	>93	>93	>93
7	>90	>93	>93	>93	>93	>93	86	>93	86	>93	>93	>93
8	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>90	>93	>93	>93	>93	>93	>93	>93	92	>93	>93	>93
10	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 580 MHz; 10.00 dBm.
LO IN: 690 MHz; +17.00 dBm
IF OUT: 110 MHz; 3.05 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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