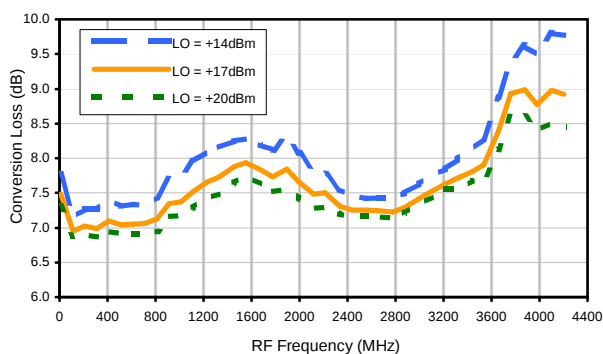


Frequency Mixer

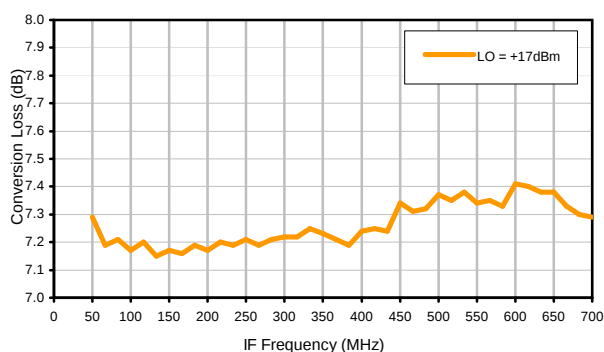
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Typical Performance Curves

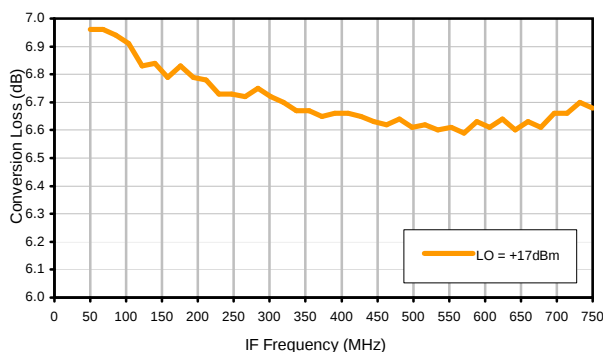
Conversion Loss @ IF=50MHz



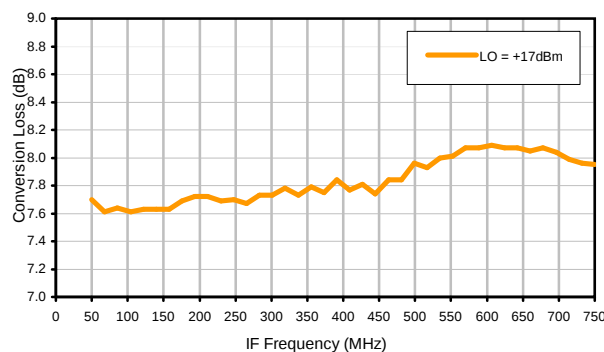
Conversion Loss vs. IF @ RF=900.1MHz



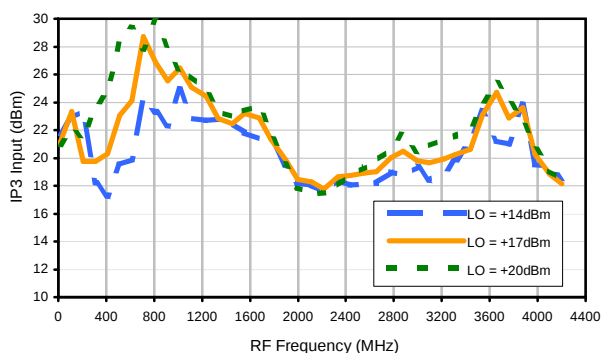
Conversion Loss vs. IF @ RF=100.1MHz



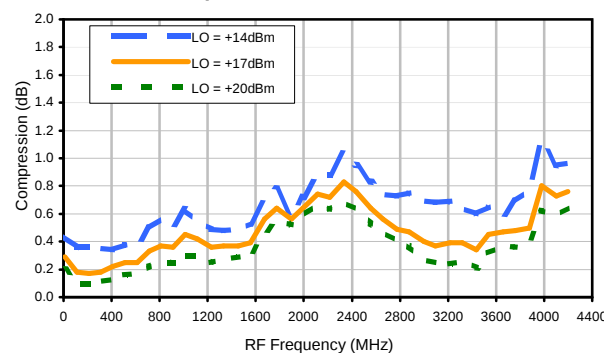
Conversion Loss vs. IF @ RF=1800.1MHz



IP3 Input

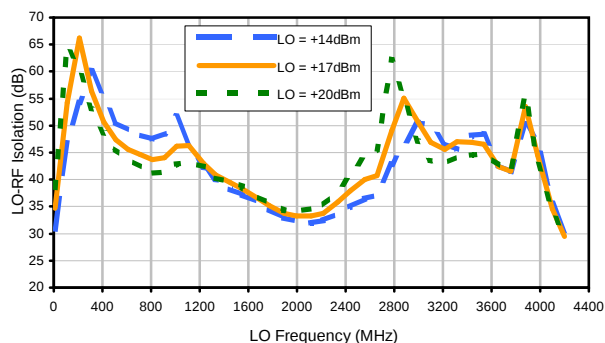


Compression @ RF IN=+10dBm

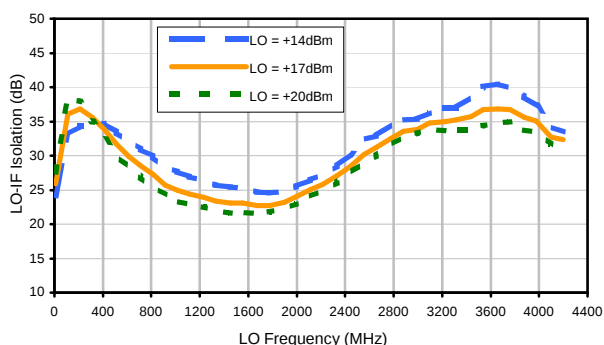


Typical Performance Curves

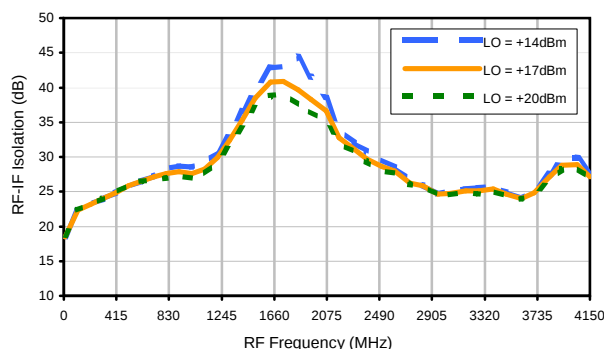
LO-RF Isolation



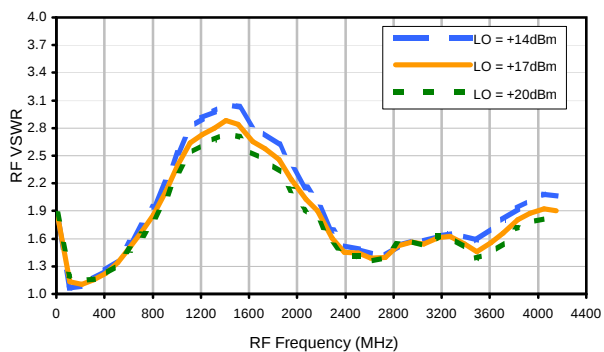
LO-IF Isolation



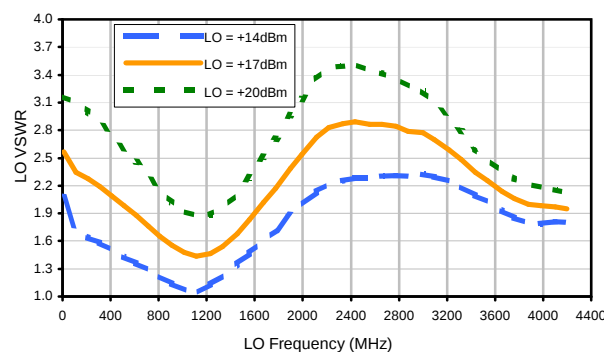
RF-IF Isolation



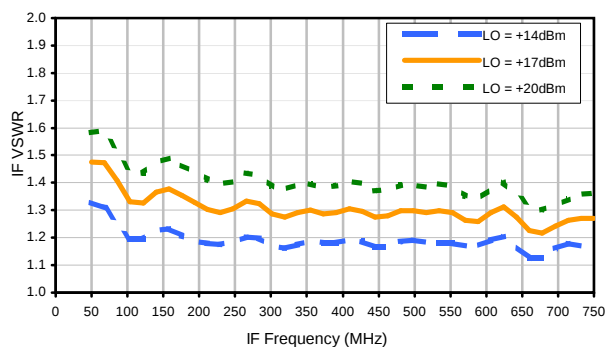
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	32	22	42	26	37	24	39	39	51
1	-	26	+0	29	14	36	22	38	29	35	37	49
2	79	49	57	51	41	56	44	60	45	59	40	48
3	>100	61	42	53	47	57	51	65	53	57	58	55
4	>100	78	68	71	60	61	62	68	62	72	63	74
5	>100	83	67	83	67	69	58	69	62	74	62	68
6	>100	85	73	80	75	77	69	73	74	83	71	79
7	>100	87	77	96	75	87	75	78	75	77	78	77
8	>100	93	88	93	89	88	89	84	81	84	85	97
9	>100	>98	91	96	95	>98	92	97	>98	88	91	90
10	100	>98	>98	>98	>98	>98	>98	>98	>98	94	91	89
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 950.10 MHz; +5.00 dBm.
LO IN: 1000.01 MHz; +17.00 dBm
IF OUT: 49.91 MHz; -2.33 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+4	21	11	29	15	24	12	24	24	45
1	-	26	+0	30	14	35	22	36	29	32	35	44
2	90	60	67	58	51	62	56	72	54	70	49	55
3	>100	82	62	72	62	79	70	79	65	82	67	77
4	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
5	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
6	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
7	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
8	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
9	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
10	>100	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88	>88
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 950.10 MHz; -5.00 dBm.
LO IN: 1000.01 MHz; +17.00 dBm
IF OUT: 49.91 MHz; -12.42 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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