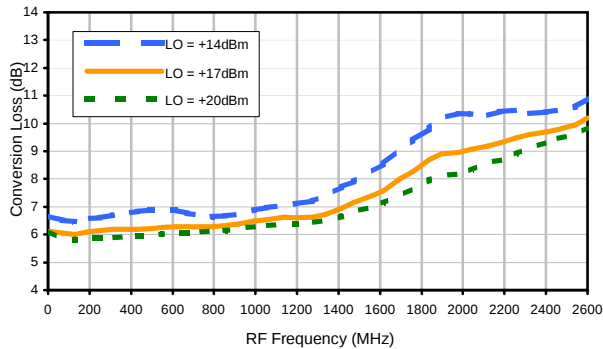


Frequency Mixer

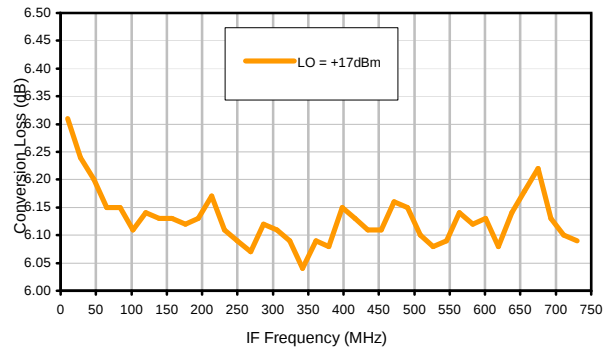
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Typical Performance Curves

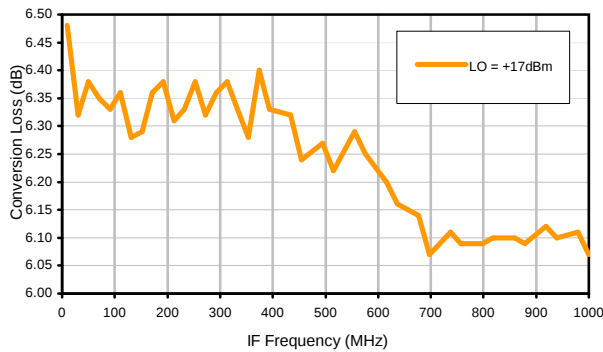
Conversion Loss @ IF=30MHz



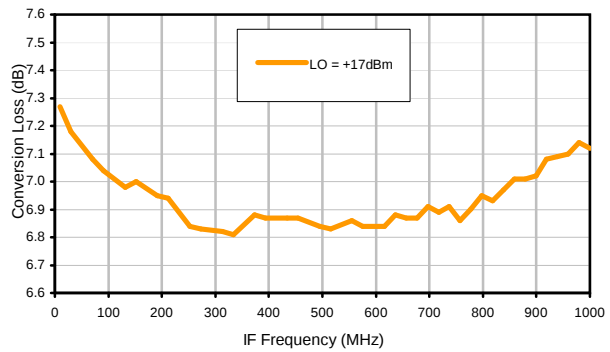
Conversion Loss vs. IF @ RF=750.1MHz



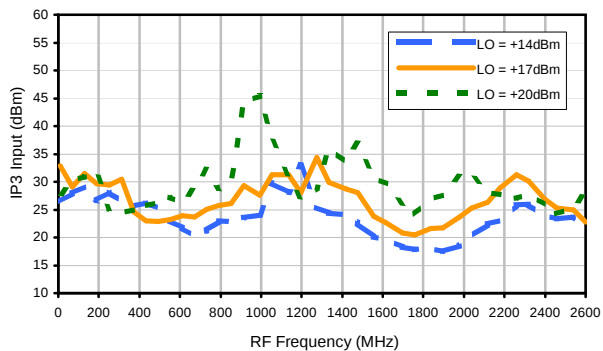
Conversion Loss vs. IF @ RF=10.1MHz



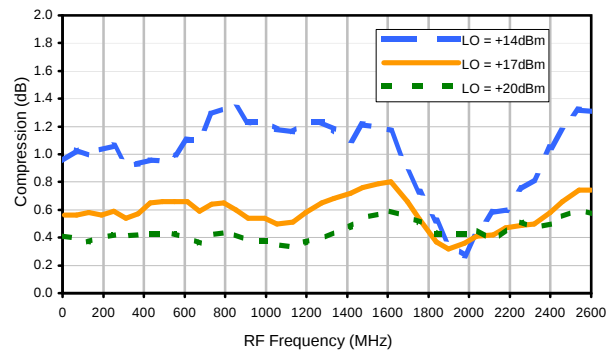
Conversion Loss vs. IF @ RF=1500.1MHz



IP3 Input



Compression @ RF IN=+14dBm



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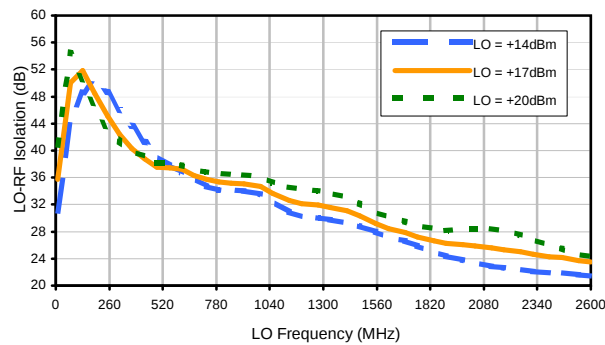


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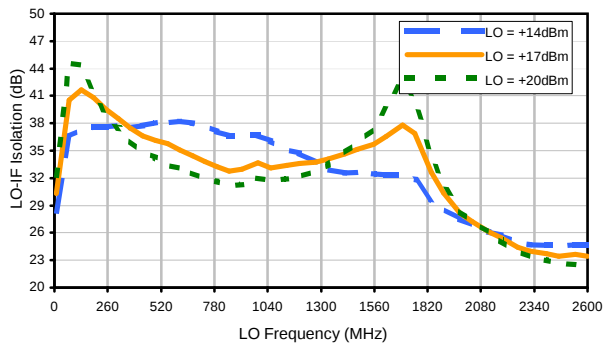


Typical Performance Curves

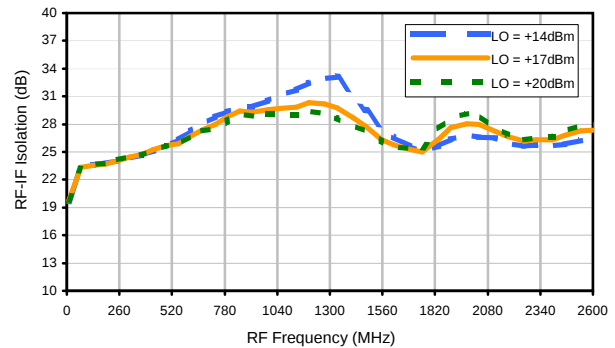
LO-RF Isolation



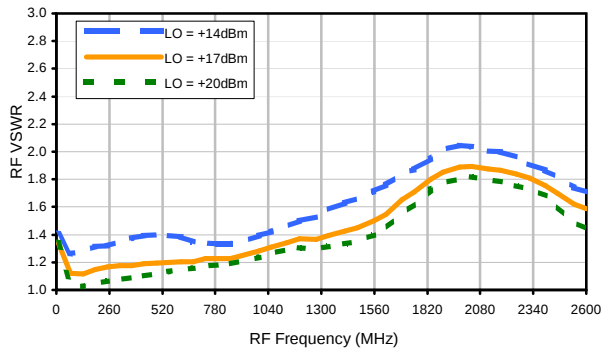
LO-IF Isolation



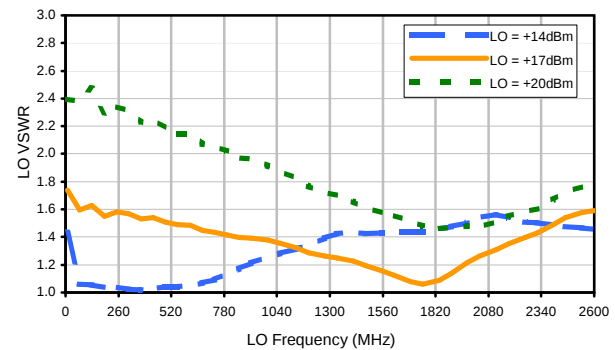
RF-IF Isolation



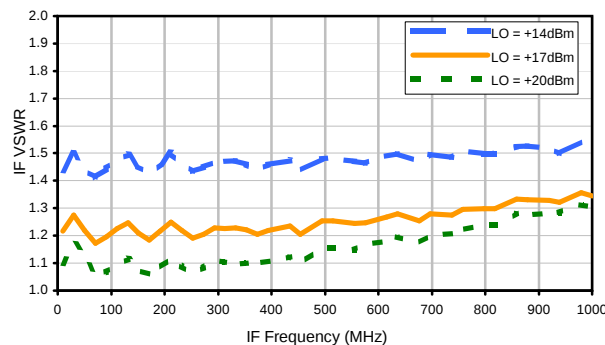
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	9	23	16	25	24	30	39	54	46	37
1	-	22	+0	35	11	36	25	33	29	45	38	54
2	>100	57	46	54	48	54	47	57	55	57	61	64
3	>100	70	61	70	59	70	58	68	57	67	58	88
4	>100	93	78	82	88	81	90	84	80	92	91	93
5	>100	>93	92	>93	>93	>93	91	92	90	91	91	>93
6	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
7	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
8	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
10	>100	>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: 750.1 MHz; -1.00 dBm.
LO IN: 780.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -7.28 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	20	32	28	34	35	44	57	68	49	59
1	-	22	+0	32	12	36	26	38	35	49	47	56
2	99	44	40	46	43	48	44	51	46	50	59	65
3	>100	54	51	52	46	55	43	50	50	47	48	56
4	>100	61	56	67	54	64	55	57	55	58	62	61
5	>100	66	55	66	55	64	53	60	53	56	53	62
6	>100	75	63	79	66	73	76	73	79	75	64	78
7	>100	88	70	92	73	82	69	80	67	74	66	69
8	>100	>103	82	93	80	81	76	84	76	87	73	84
9	>100	101	92	>103	84	86	84	87	82	83	81	78
10	>100	92	96	98	93	95	94	93	96	95	88	99
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 750.1 MHz; 9.00 dBm.
LO IN: 780.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; 2.74 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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