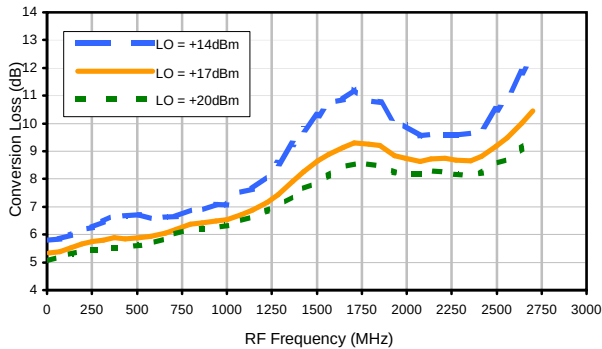


Frequency Mixer

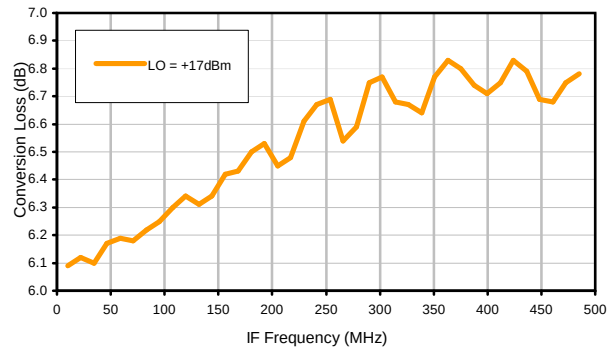
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Typical Performance Curves

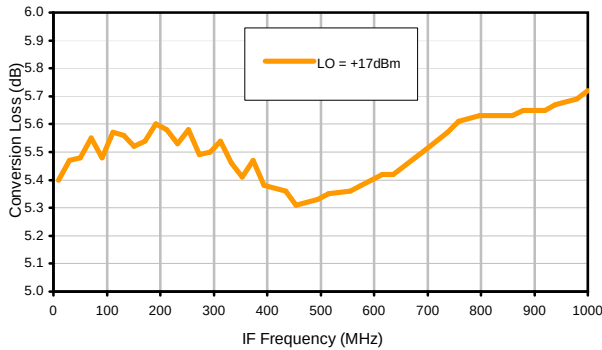
Conversion Loss @ IF=30MHz



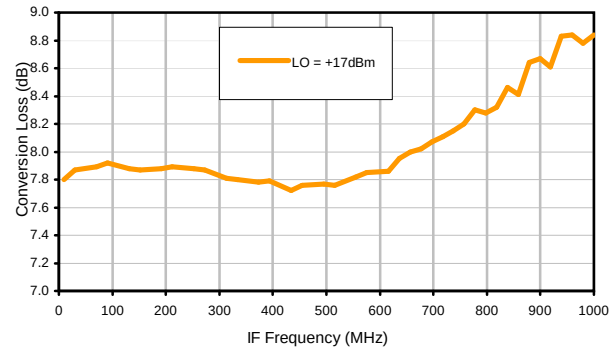
Conversion Loss vs. IF @ RF=685.1MHz



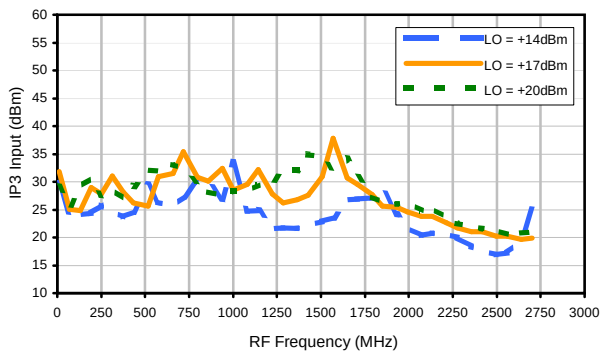
Conversion Loss vs. IF @ RF=100.1MHz



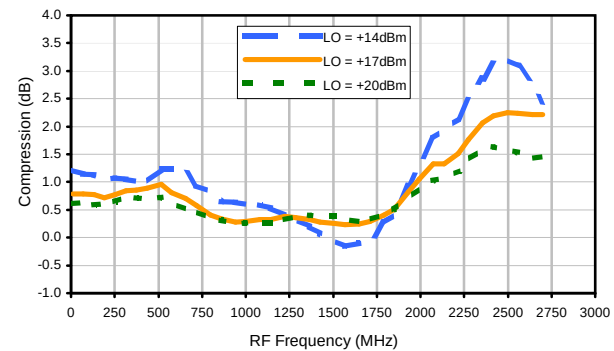
Conversion Loss vs. IF @ RF=1370.1MHz



IP3 Input

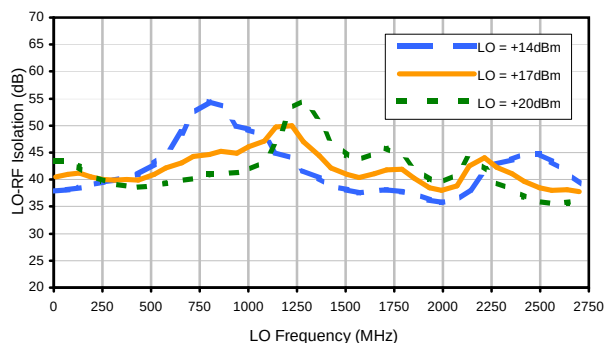


Compression @ RF IN=+14dBm

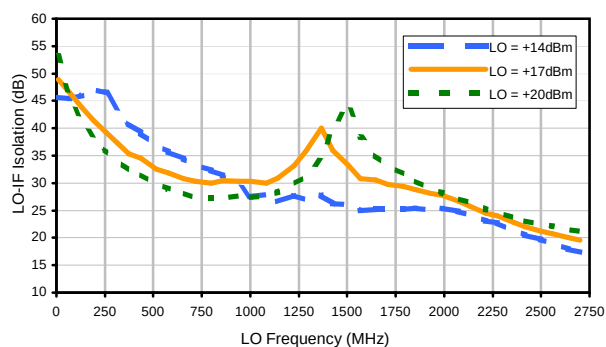


Typical Performance Curves

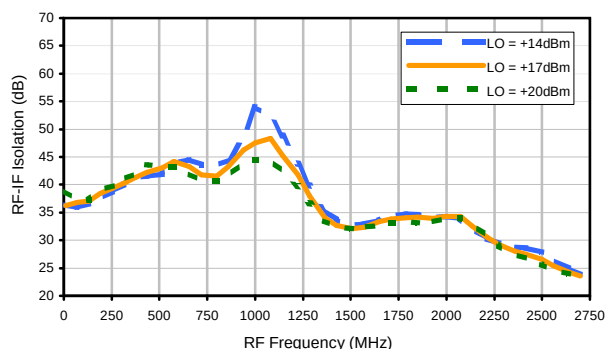
LO-RF Isolation



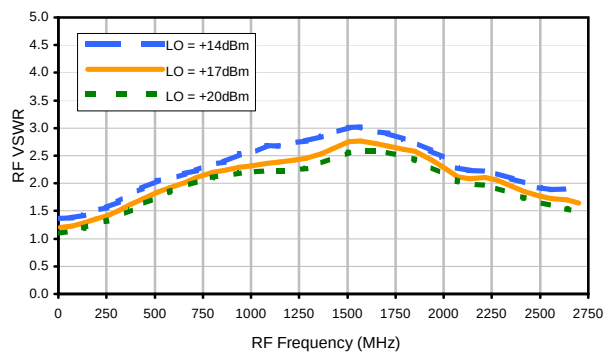
LO-IF Isolation



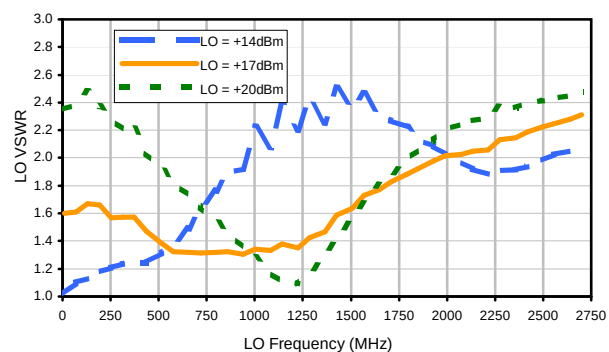
RF-IF Isolation



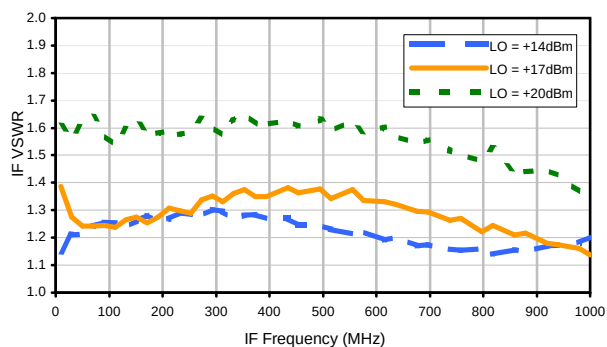
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	6	25	7	39	12	38	23	38	26	49
1	-	36	+0	48	13	45	24	52	44	51	41	59
2	88	58	54	53	49	62	49	77	52	70	52	69
3	>100	91	71	87	78	84	80	83	67	85	78	85
4	>100	>93	88	>93	87	>93	85	>93	88	>93	>93	>93
5	>100	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>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; -7.38 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	16	36	18	48	24	52	36	54	39	69
1	-	37	+0	49	13	45	25	55	45	54	45	64
2	73	47	45	42	40	50	40	62	43	62	46	60
3	>100	84	45	71	57	75	52	65	51	69	59	65
4	>100	71	77	73	69	73	65	74	58	71	72	71
5	>100	83	63	82	60	83	63	81	60	87	69	90
6	>100	93	83	82	81	85	80	81	75	81	88	80
7	>100	94	92	97	77	97	81	92	77	91	77	>103
8	>100	>103	98	>103	97	>103	95	>103	89	101	90	97
9	>100	>103	>103	>103	>103	102	93	103	95	102	92	101
10	>100	>103	>103	>103	>103	>103	>103	>103	102	>103	102	102
	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; 2.54 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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