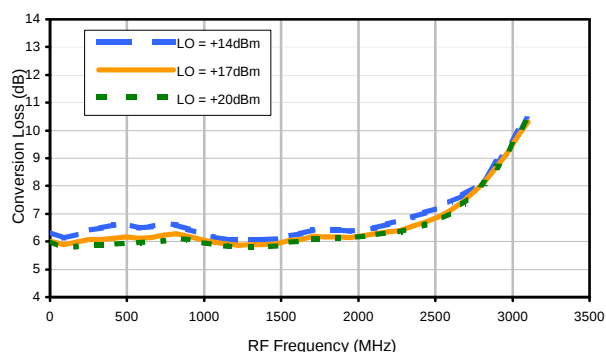


Frequency Mixer

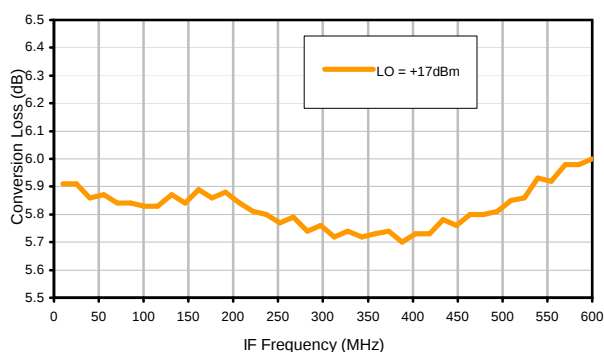
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Typical Performance Curves

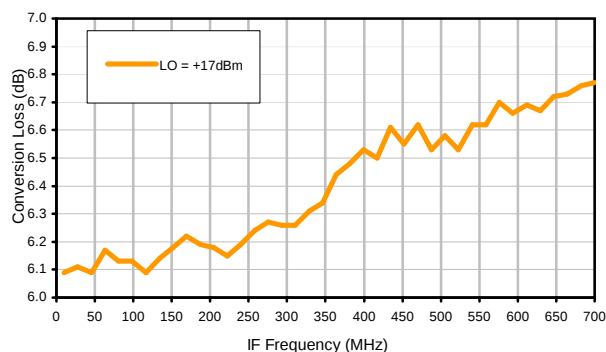
Conversion Loss @ IF=30MHz



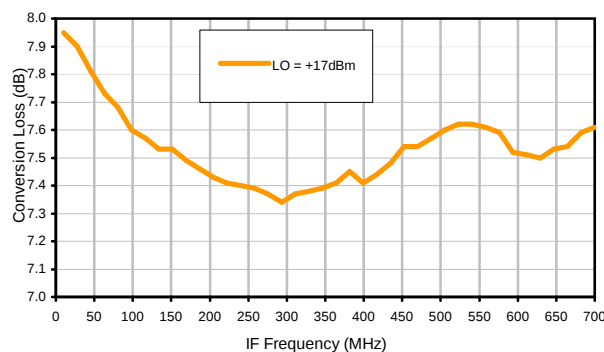
Conversion Loss vs. IF @ RF=1400.1MHz



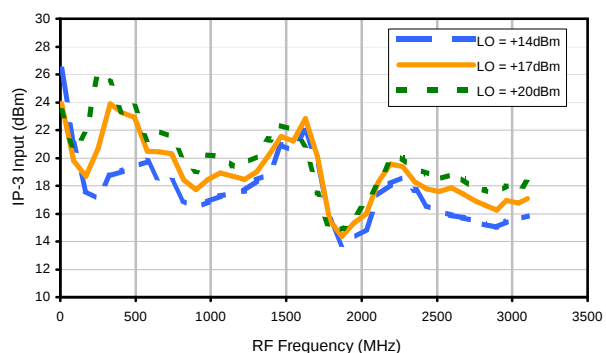
Conversion Loss vs. IF @ RF=400.1MHz



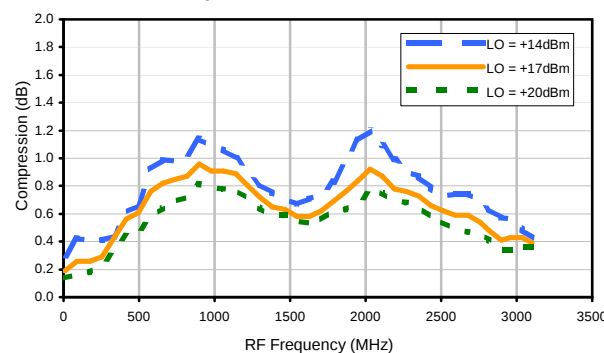
Conversion Loss vs. IF @ RF=2800.1MHz



IP3 Input



Compression @ RF IN=+10dBm



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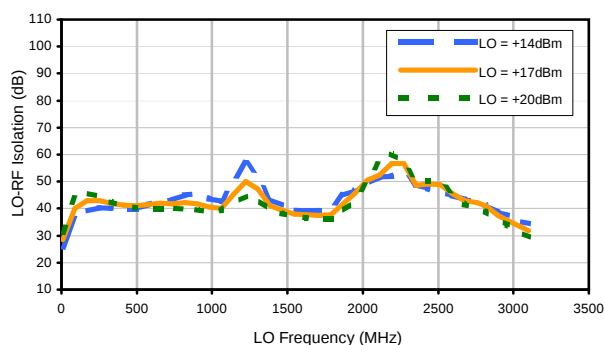


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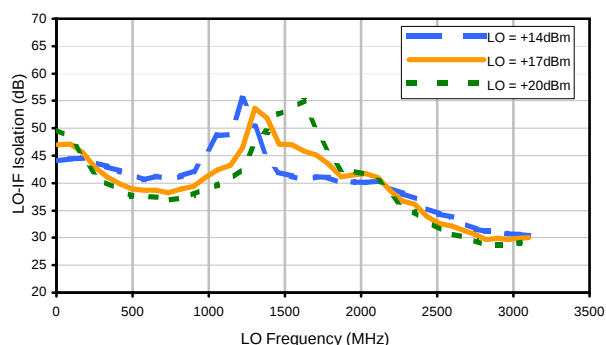


Typical Performance Curves

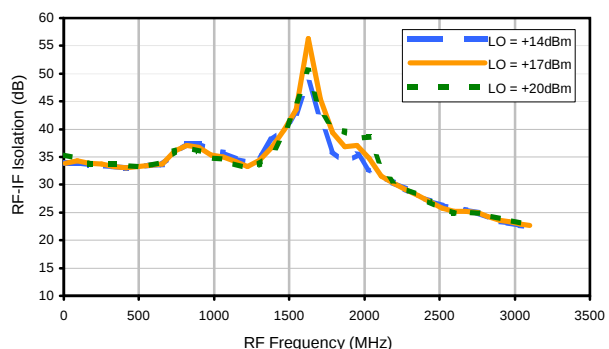
LO-RF Isolation



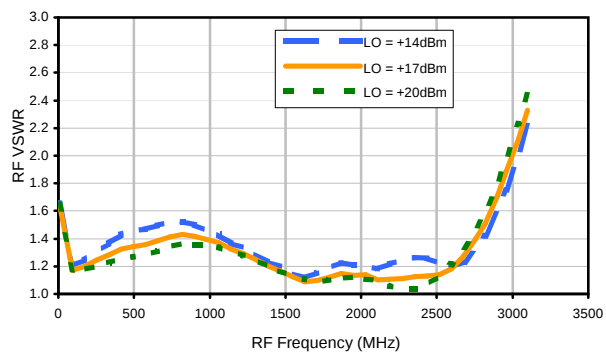
LO-IF Isolation



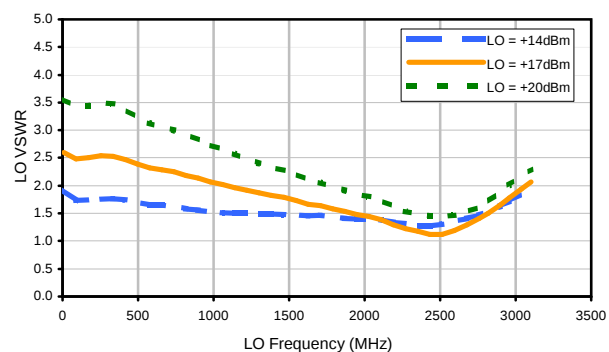
RF-IF Isolation



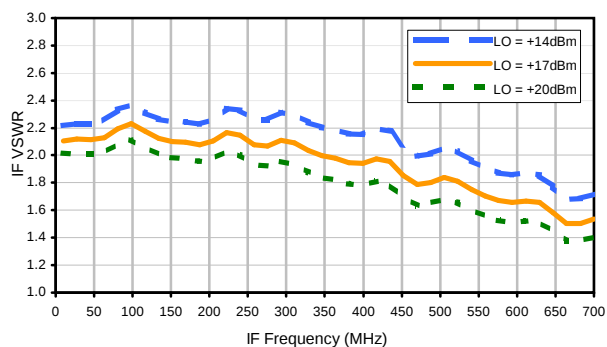
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	30	20	34	44	30	40	29	58	46	60
1	-	38	+0	40	16	41	28	55	29	38	45	60
2	>100	40	41	42	44	40	66	54	53	51	48	70
3	>100	55	43	49	39	62	40	69	55	66	48	53
4	>100	69	82	51	73	50	54	76	82	69	74	68
5	>100	77	74	73	50	62	56	56	60	68	75	76
6	>100	70	79	82	78	58	62	65	63	61	73	89
7	>100	75	77	89	80	83	68	74	67	68	76	87
8	>100	85	84	99	97	88	83	67	73	75	71	69
9	>100	97	>99	84	93	90	88	87	72	74	73	96
10	>100	>99	99	98	83	91	95	90	>99	75	86	74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1600.1 MHz; 5.00 dBm.
LO IN: 1630.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -1.24 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	18	10	24	36	20	27	17	43	31	46
1	-	43	+0	38	15	40	27	52	27	37	43	53
2	>100	51	64	60	60	52	67	61	59	58	61	86
3	>100	74	65	72	66	71	65	78	72	84	65	70
4	>100	>89	>89	>89	>89	>89	88	87	>89	>89	>89	>89
5	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
6	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
7	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
8	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
9	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
10	>100	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89	>89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1600.1 MHz; -5.00 dBm.
LO IN: 1630.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -11.07 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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