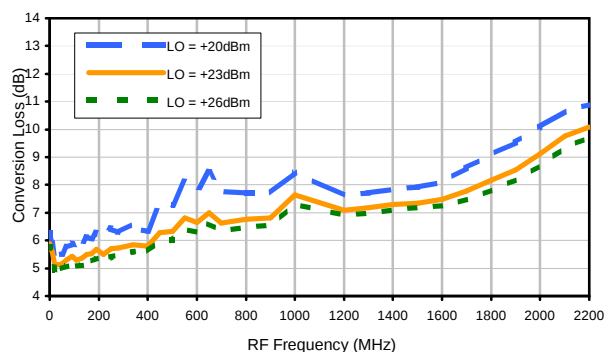


Frequency Mixer

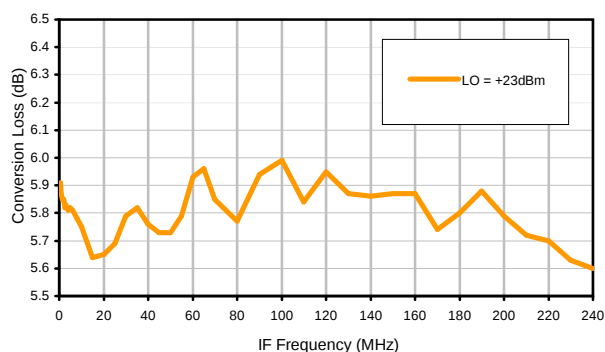
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Typical Performance Curves

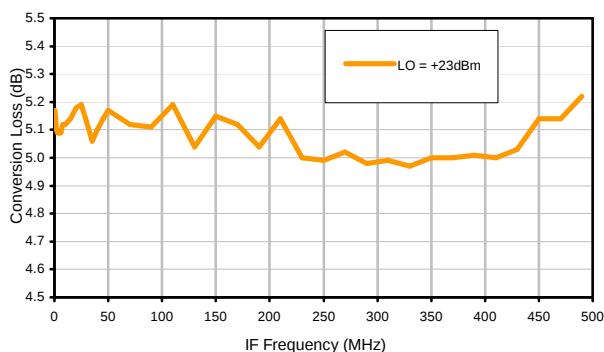
Conversion Loss @ IF=30MHz



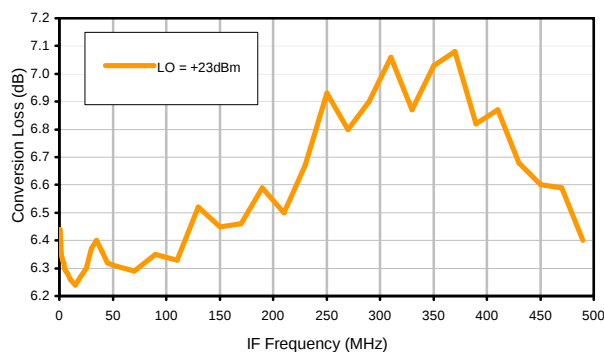
Conversion Loss vs. IF @ RF=250.1MHz



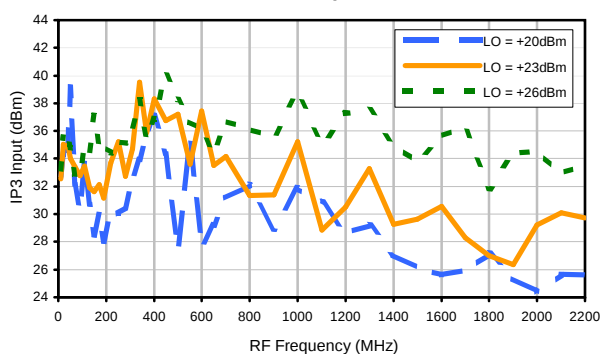
Conversion Loss vs. IF @ RF=10.1MHz



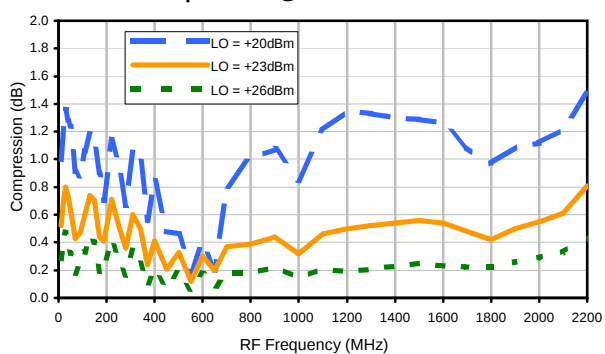
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input



Compression @ RF IN=+19.92dBm



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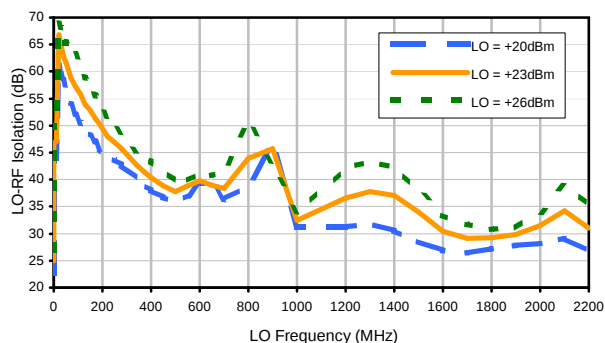


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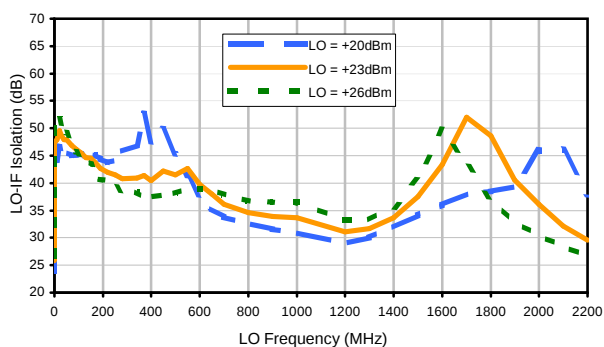


Typical Performance Curves

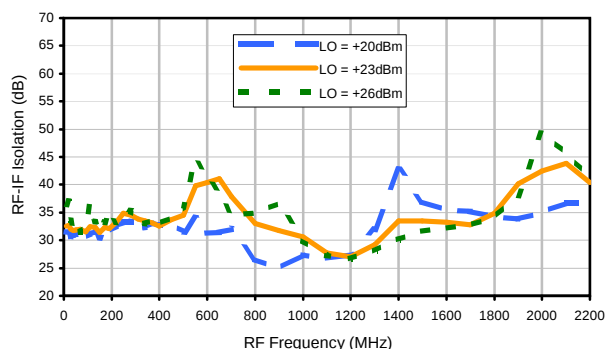
LO-RF Isolation



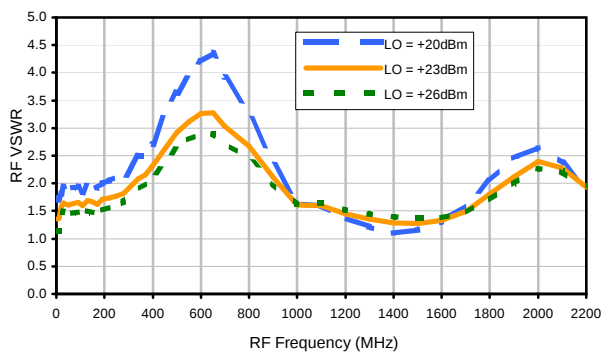
LO-IF Isolation



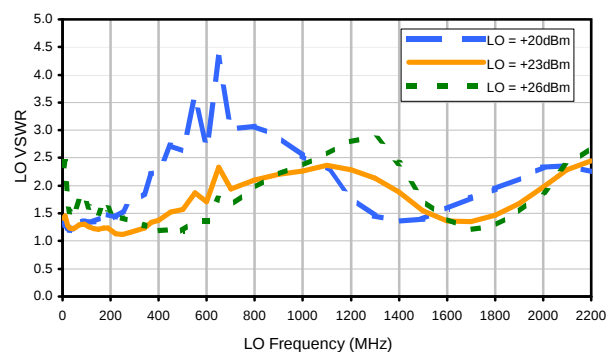
RF-IF Isolation



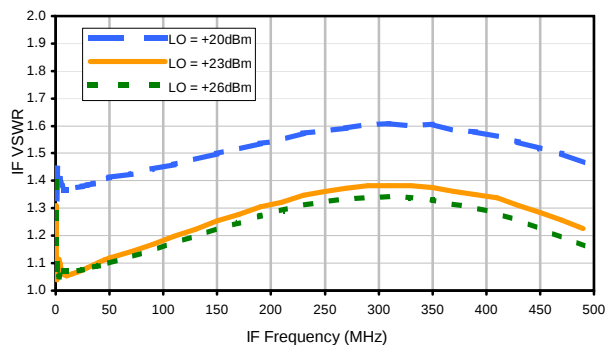
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	23	36	44	54	47	54	54	52	47	57
1	-	33	+0	61	15	47	28	44	33	47	38	52
2	80	56	52	57	53	55	48	57	52	56	55	58
3	91	48	39	50	50	56	38	59	35	55	39	54
4	107	62	53	61	65	64	77	58	55	57	63	57
5	>119	62	48	61	46	60	44	58	44	58	46	61
6	>122	73	63	70	62	75	60	67	57	63	59	66
7	>121	73	57	74	58	71	60	65	60	60	69	63
8	>122	88	69	85	73	103	66	79	65	75	62	72
9	>122	83	74	80	81	74	75	74	67	73	66	69
10	>121	92	77	106	74	92	75	89	78	89	81	94
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; 15.07.00 dBm.
LO IN: 280.01 MHz; +23.00 dBm
IF OUT: 29.91 MHz; 9.12 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	14	25	26	40	26	35	31	39	40	40
1	-	31	+0	47	17	44	19	40	22	39	26	41
2	90	52	53	56	63	52	45	49	52	47	53	51
3	103	57	57	61	50	64	46	60	47	62	52	61
4	>122	73	66	72	67	72	63	67	66	69	70	66
5	>121	87	79	81	78	83	75	79	73	79	71	83
6	>121	84	84	81	88	85	94	89	87	87	81	85
7	>121	99	97	103	99	108	91	103	88	96	88	96
8	>122	98	96	116	95	103	95	97	92	100	92	102
9	>120	105	101	105	112	108	97	108	95	119	96	114
10	>119	111	116	114	110	109	106	104	110	109	116	113
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; 4.99.00 dBm.
LO IN: 280.01 MHz; +23.00 dBm
IF OUT: 29.91 MHz; -1.02 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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