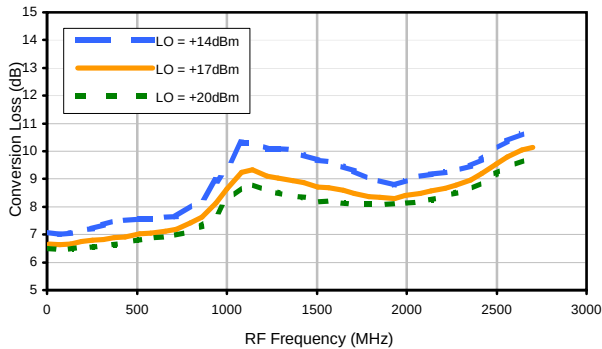


Frequency Mixer

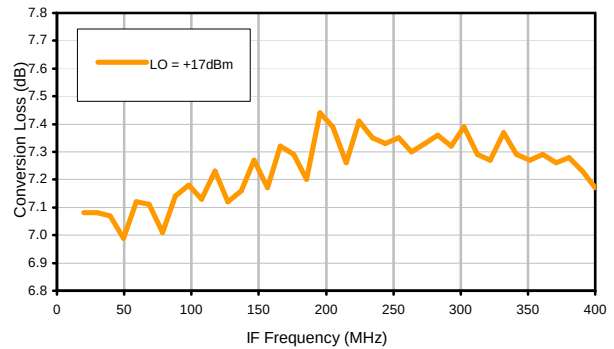
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Typical Performance Curves

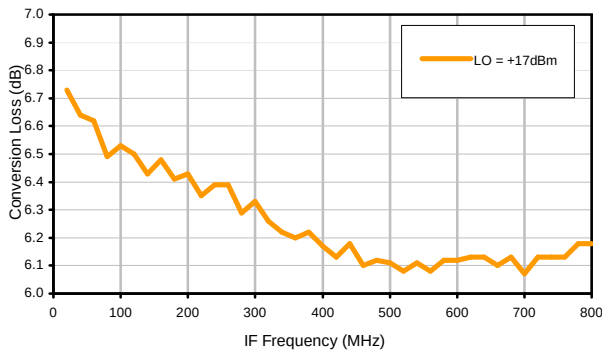
Conversion Loss @ IF=30MHz



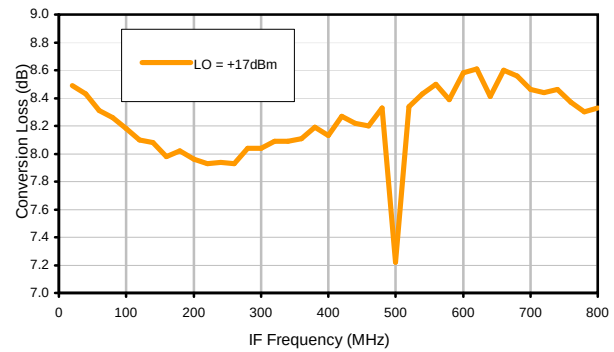
Conversion Loss vs. IF @ RF=500.1MHz



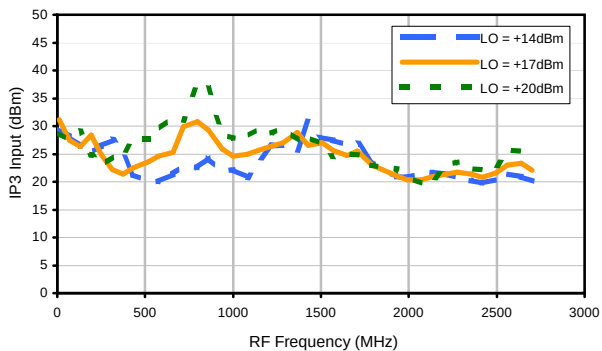
Conversion Loss vs. IF @ RF=50.1MHz



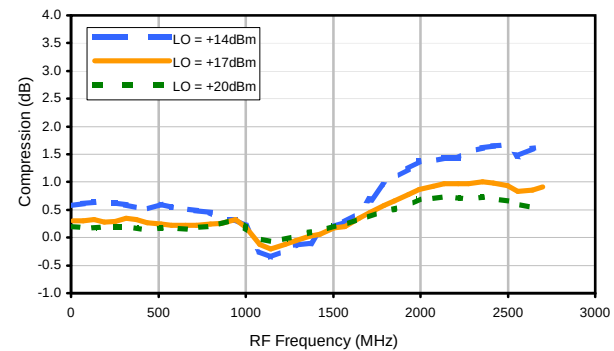
Conversion Loss vs. IF @ RF=1000.1MHz



IP3 Input



Compression @ RF IN=+14dBm



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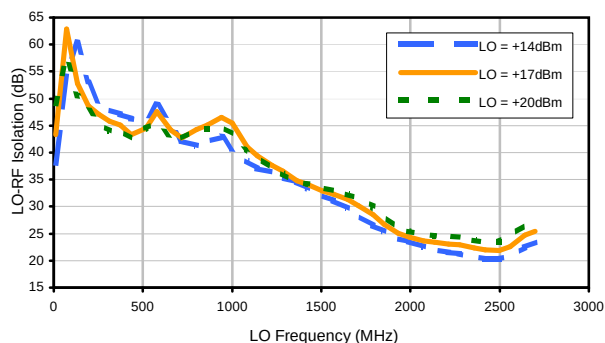


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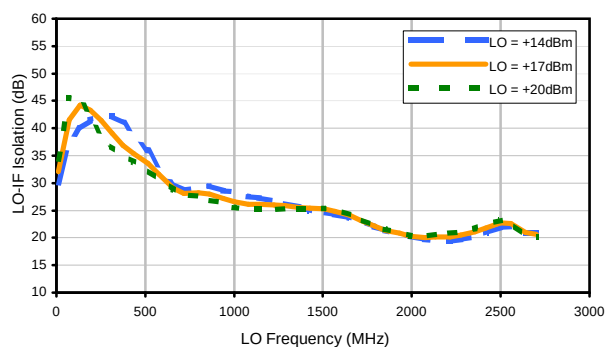


Typical Performance Curves

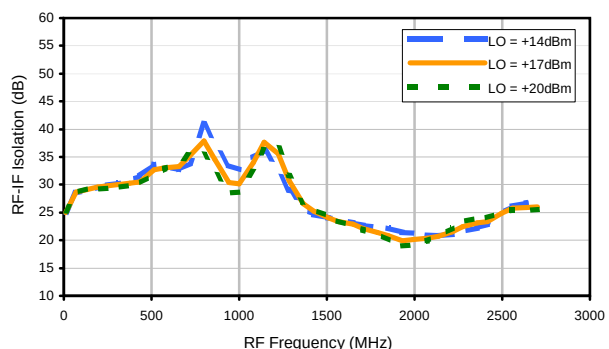
LO-RF Isolation



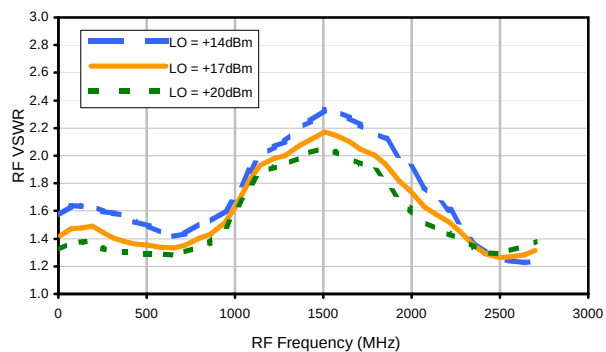
LO-IF Isolation



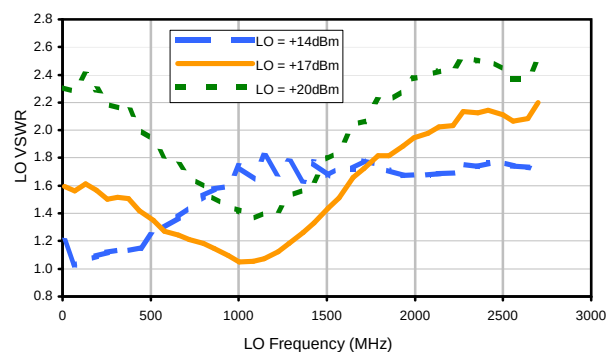
RF-IF Isolation



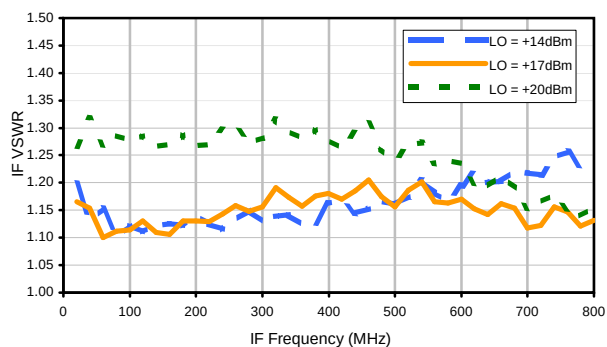
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	8	25	12	26	20	26	31	34	36	44
1	-	26	+0	42	13	32	29	39	22	46	34	45
2	98	55	52	65	54	60	49	67	51	55	66	57
3	>100	73	55	68	54	68	54	67	59	70	53	69
4	>100	85	91	73	78	73	76	76	76	80	75	78
5	>100	>92	91	88	88	82	80	>92	87	84	90	88
6	>100	>92	92	89	>92	83	82	75	89	>92	>92	90
7	>100	>92	88	>92	>92	80	84	71	76	87	>92	>92
8	>100	>92	87	86	89	91	85	84	80	74	>92	>92
9	>100	91	>92	>92	>92	89	>92	89	80	79	73	78
10	>100	87	87	>92	>92	87	87	>92	>92	>92	83	82
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 520.1 MHz; -1.00 dBm.

LO IN: 550.01 MHz; +17.00 dBm

IF OUT: 29.91 MHz; -8.15 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	19	35	22	38	32	37	40	47	48	69
1	-	26	+0	40	13	37	30	45	28	48	41	52
2	84	46	44	53	48	54	42	54	48	54	50	57
3	>100	48	39	57	36	63	38	48	41	57	39	82
4	>100	74	58	63	63	65	62	63	62	70	61	64
5	>100	70	59	80	52	74	53	79	53	66	63	68
6	>100	75	67	98	73	73	74	71	70	72	67	77
7	>100	82	78	86	84	73	87	76	76	79	81	70
8	>100	89	89	81	84	92	82	82	81	81	79	80
9	>100	94	87	90	82	83	99	82	81	84	78	81
10	>100	96	90	96	91	88	89	>102	96	94	95	88
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 520.1 MHz; 9.00 dBm.

LO IN: 550.01 MHz; +17.00 dBm

IF OUT: 29.91 MHz; 1.77 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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Page 3 of 3