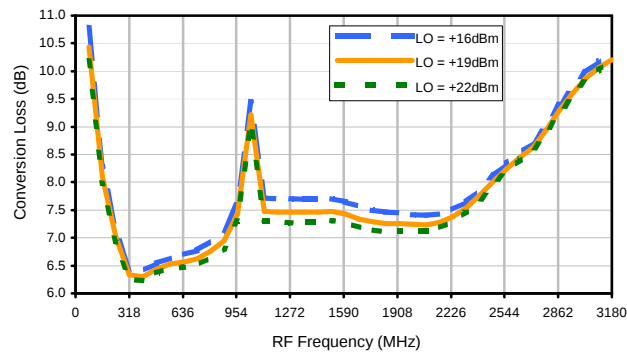
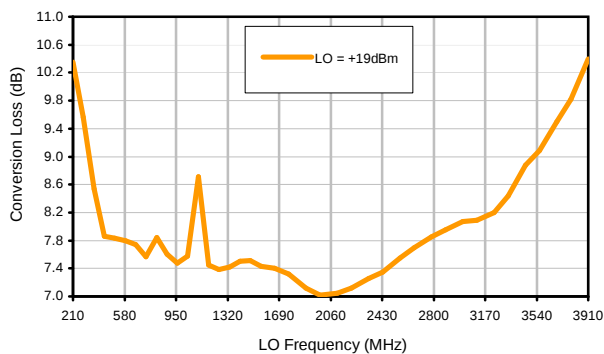


Typical Performance Curves

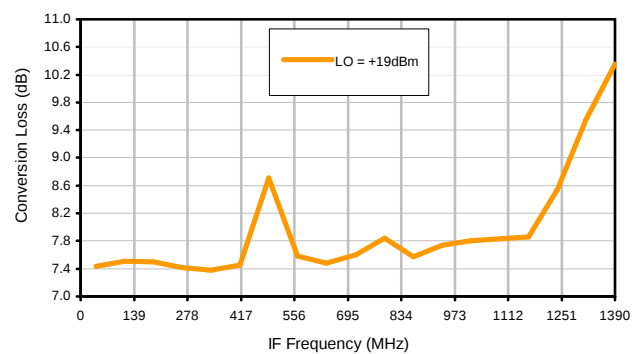
Conversion Loss @ IF=70MHz



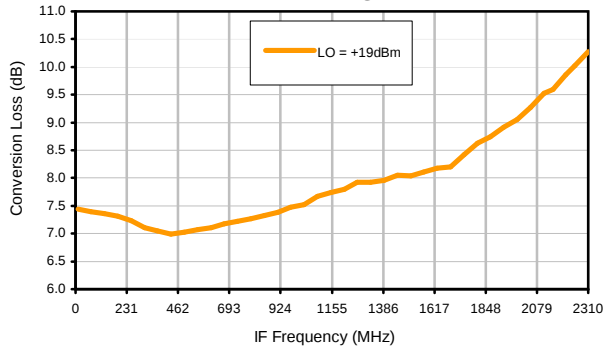
Conversion Loss vs. LO @ RF=1600MHz



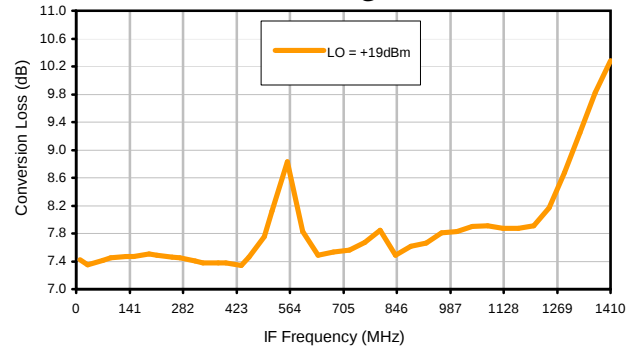
Conversion Loss vs. IF @ RF=1600MHz



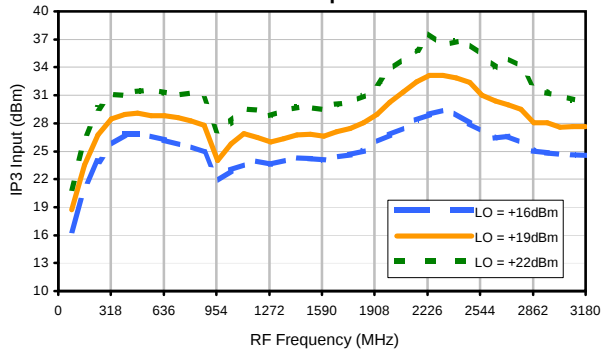
Conversion Loss vs. IF @ RF=1553.9MHz



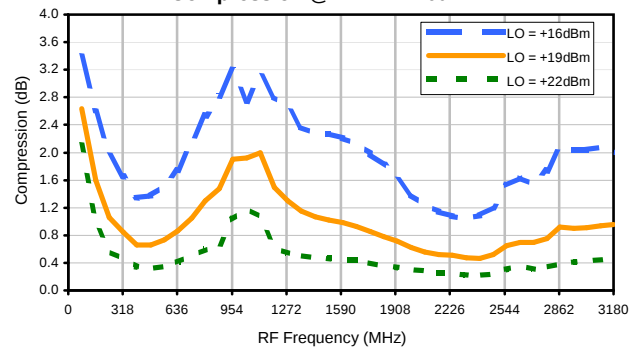
Conversion Loss vs. IF @ RF=1646.1MHz



IP3 Input



Compression @ RF IN=+20dBm



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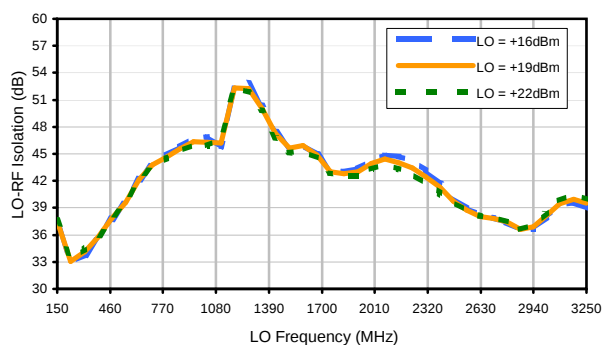


Frequency Mixer

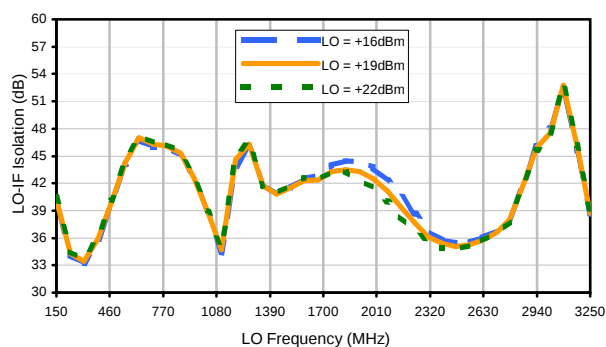
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Typical Performance Curves

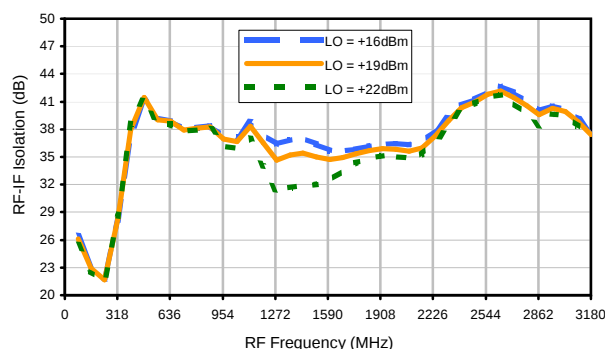
LO-RF Isolation



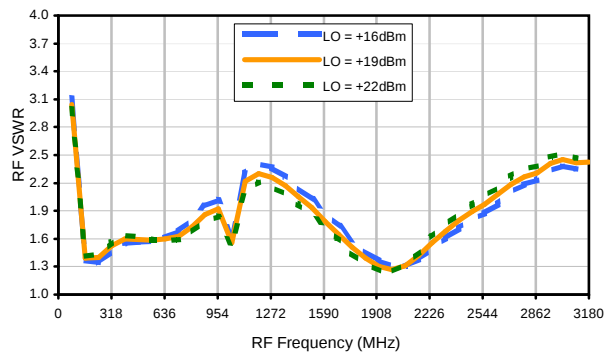
LO-IF Isolation



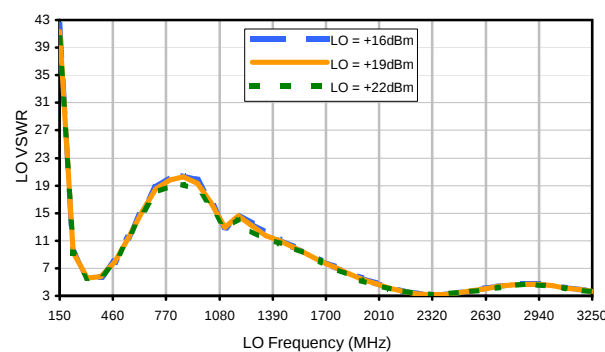
RF-IF Isolation



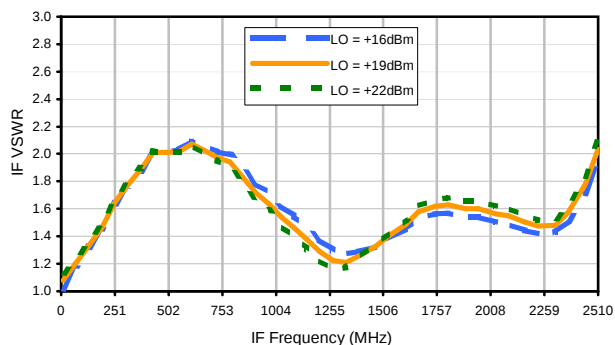
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	13	20	28	36	46	41	57	59	55
1	-	29	+0	39	16	45	34	59	52	60	60	71
2	57	59	67	68	61	53	66	58	80	74	74	78
3	>90	>82	68	>82	63	77	69	>82	76	>82	>82	>82
4	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
5	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
6	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
7	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
8	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
9	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
10	>90	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82	>82
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1600 MHz; 0.00 dBm.
LO IN: 1670 MHz; +19.00 dBm
IF OUT: 70 MHz; -7.54 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	27	23	30	40	47	66	54	69	73	71
1	-	30	+0	39	16	45	36	59	55	61	63	70
2	37	47	56	59	51	42	57	47	68	66	66	71
3	71	72	48	68	43	59	49	64	56	81	69	76
4	89	74	79	66	80	63	81	62	75	68	85	89
5	>90	>92	>92	84	75	84	68	79	73	85	84	>92
6	>90	>92	>92	>92	88	82	89	77	>92	78	>92	86
7	>90	>92	>92	>92	>92	>92	91	>92	85	>92	86	>92
8	>90	>92	>92	>92	>92	>92	>92	>92	91	>92	>92	>92
9	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
10	>90	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92	>92
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 1600 MHz; 10.00 dBm.
LO IN: 1670 MHz; +19.00 dBm
IF OUT: 70 MHz; 2.36 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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