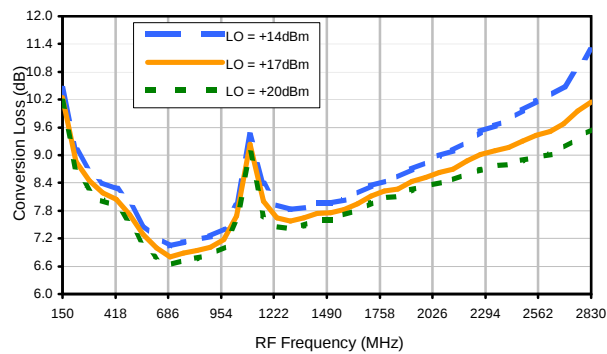


Frequency Mixer

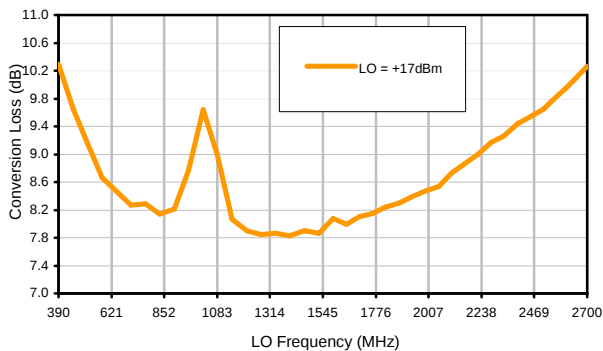
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Typical Performance Curves

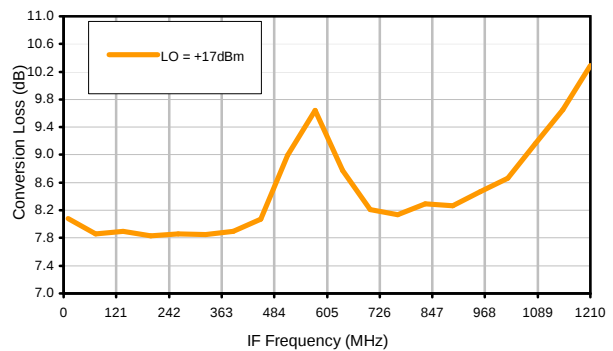
Conversion Loss @ IF=70MHz



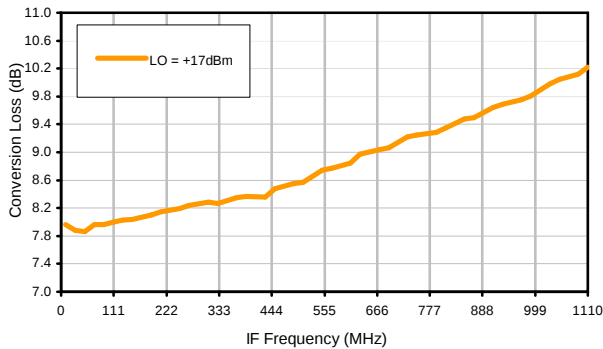
Conversion Loss vs. LO @ RF=1600MHz



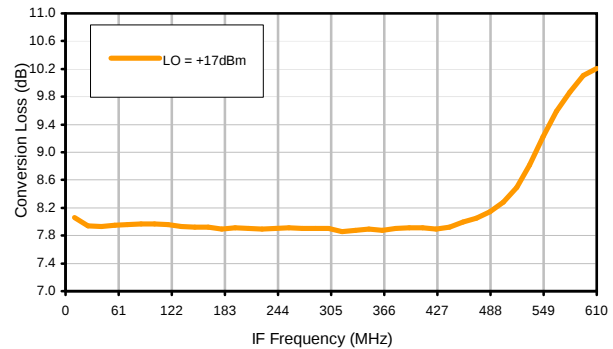
Conversion Loss vs. IF @ RF=1600MHz



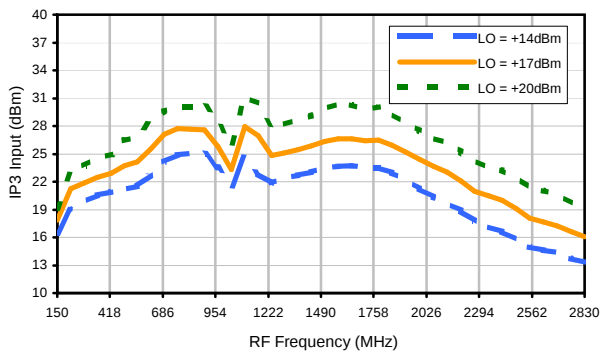
Conversion Loss vs. IF @ RF=1553.9MHz



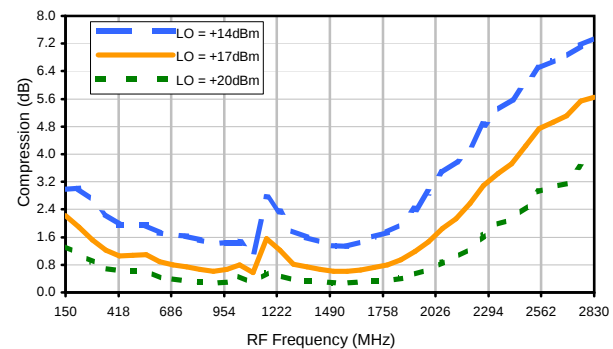
Conversion Loss vs. IF @ RF=1646.1MHz



IP3 Input



Compression @ RF IN=+17dBm

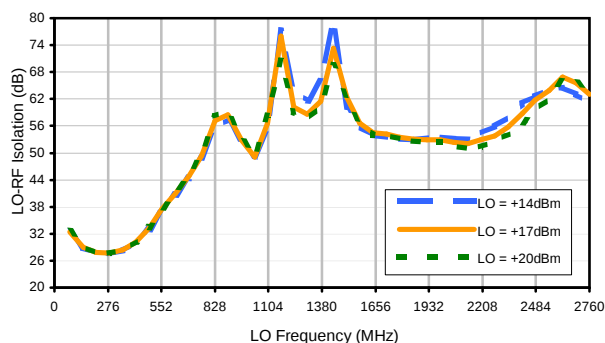


Frequency Mixer

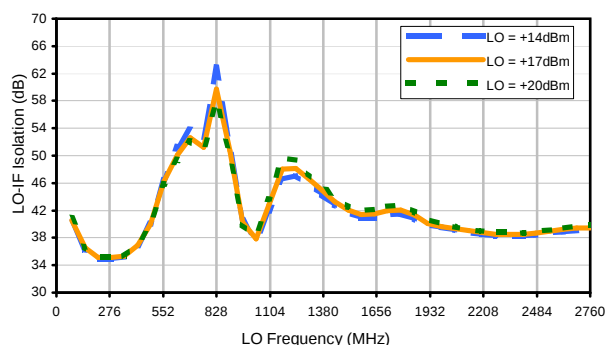
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Typical Performance Curves

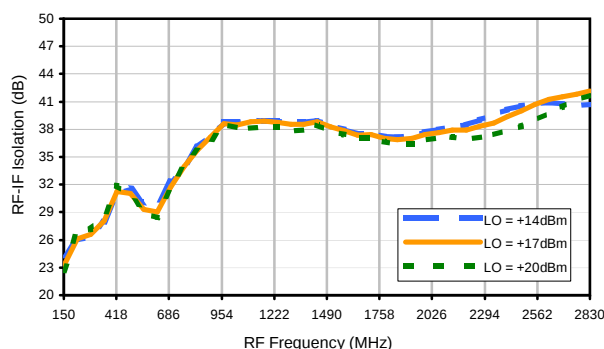
LO-RF Isolation



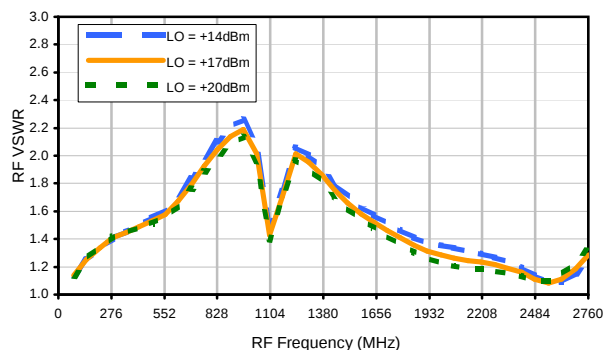
LO-IF Isolation



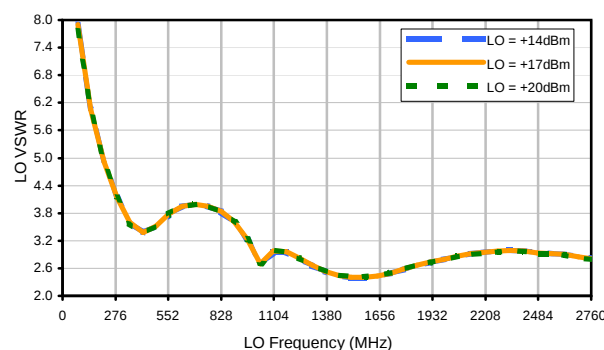
RF-IF Isolation



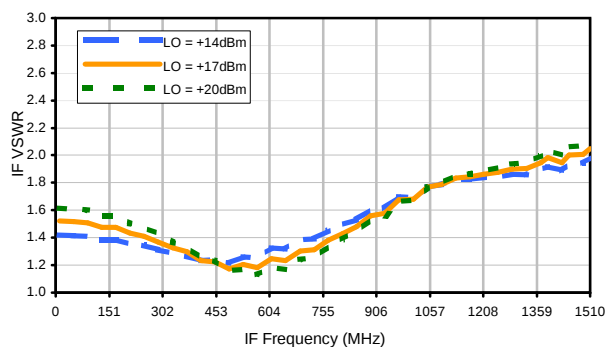
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	18	19	36	31	35	38	42	54	41	66
1	-	29	+0	43	19	42	31	50	40	47	42	61
2	57	59	70	53	68	57	>82	59	77	64	81	64
3	>90	>82	69	>82	63	>82	71	>82	77	>82	81	>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: 1530 MHz; +17.00 dBm
IF OUT: 70 MHz; -8.01 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	28	30	45	39	44	44	50	59	54	79
1	-	29	+0	44	19	43	32	53	42	48	44	64
2	37	47	56	42	54	47	62	49	73	57	65	56
3	71	70	47	69	41	63	49	61	55	69	62	86
4	89	82	84	69	77	62	71	65	76	68	83	75
5	>90	>92	>92	>92	80	85	71	80	79	82	81	91
6	>90	>92	>92	>92	88	84	88	78	85	84	90	87
7	>90	>92	>92	>92	>92	>92	>92	>92	85	>92	>92	>92
8	>90	>92	>92	>92	>92	>92	>92	>92	>92	>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: 1530 MHz; +17.00 dBm
IF OUT: 70 MHz; 1.87 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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