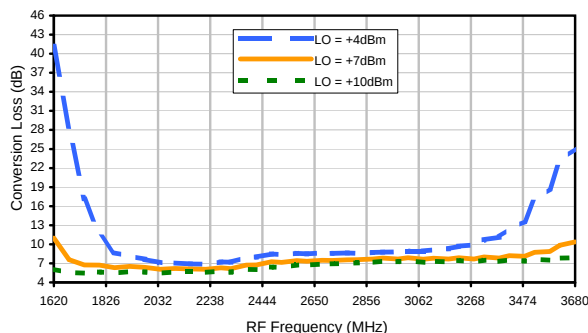


Frequency Mixer

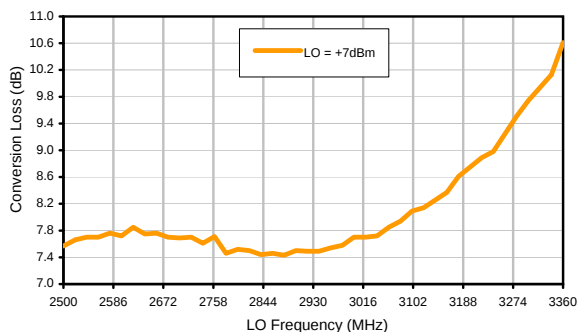
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Typical Performance Curves

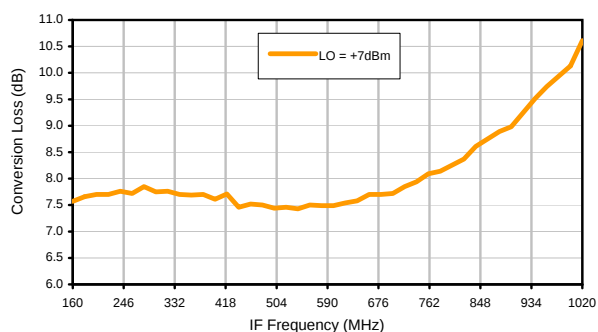
Conversion Loss @ IF=30MHz



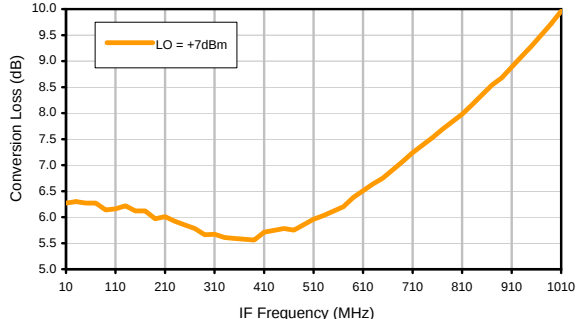
Conversion Loss vs. LO @ RF=2339.89MHz



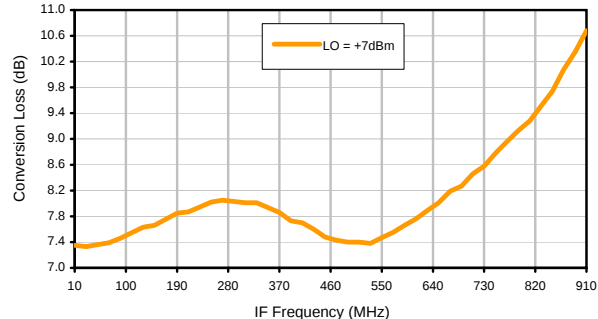
Conversion Loss vs. IF @ RF=2339.89MHz



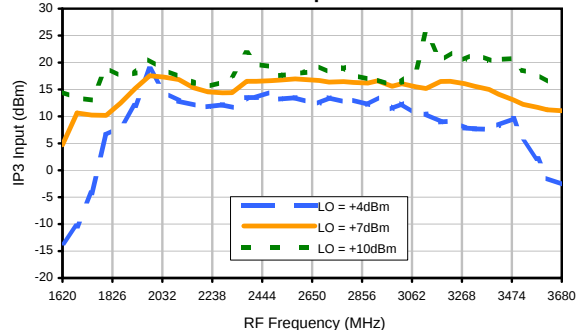
Conversion Loss vs. IF @ RF=2089.89MHz



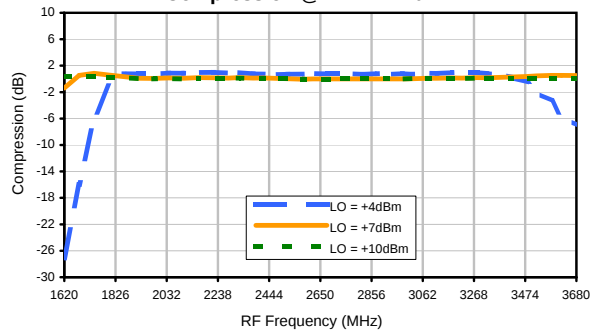
Conversion Loss vs. IF @ RF=2610.1MHz



IP3 Input



Compression @ RF IN=+1dBm

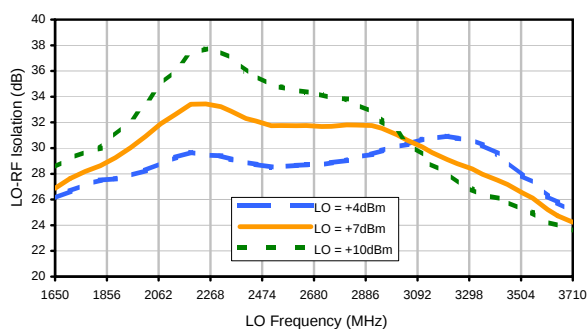


Frequency Mixer

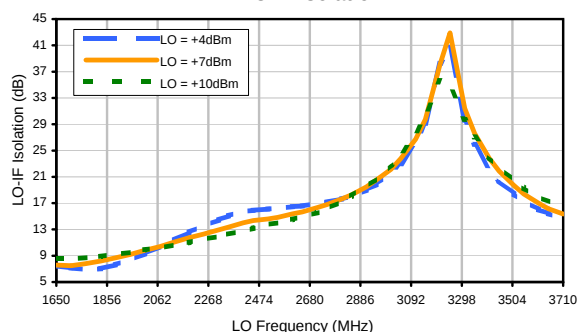
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Typical Performance Curves

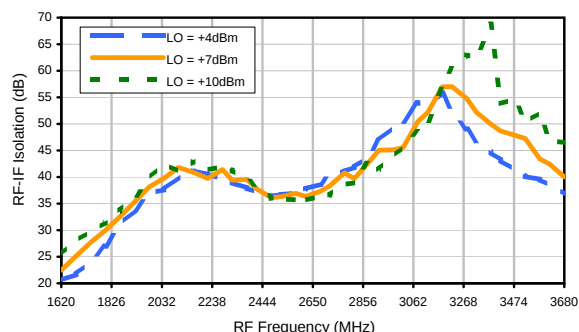
LO-RF Isolation



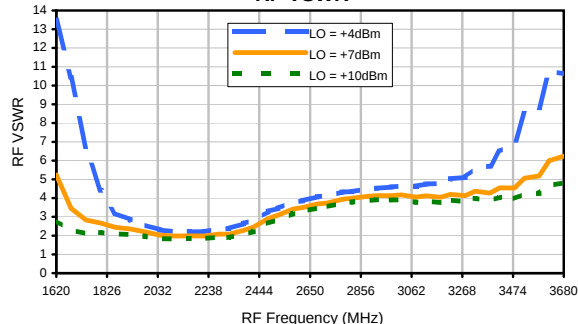
LO-IF Isolation



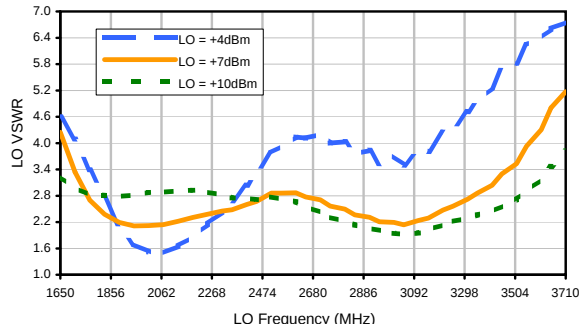
RF-IF Isolation



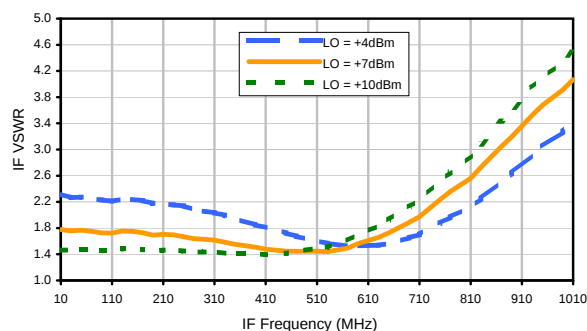
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	14	28	5	36	33	47	19	55	43	61
1	-	33	0	48	39	39	41	50	49	52	52	68
2	57	72	50	53	50	72	60	62	64	84	51	72
3	62	105	90	96	68	84	74	82	70	80	76	73
4	88	84	91	100	87	95	93	114	92	106	79	84
5	111	89	87	88	85	92	91	82	101	91	85	92
6	101	81	85	84	86	83	88	96	89	96	90	87
7	107	86	93	82	86	94	90	84	100	85	87	85
8	96	66	83	81	84	82	86	88	84	89	87	84
9	103	72	73	75	89	94	81	88	86	85	86	86
10	101	70	77	73	87	90	89	98	92	91	82	87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2350 MHz; -14 dBm.
LO IN: 2380 MHz; +7 dBm
IF OUT: 30 MHz; -20.43 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	4	39	16	42	45	60	37	77	56	80
1	-	32	0	47	38	39	46	54	56	58	61	81
2	57	63	41	44	40	68	50	61	58	77	48	80
3	62	63	59	71	52	67	55	67	55	67	63	75
4	88	70	73	84	67	76	73	74	63	66	75	81
5	111	93	73	85	90	90	66	91	74	83	66	86
6	101	99	93	85	96	100	86	93	85	89	82	79
7	107	99	100	98	84	109	97	102	88	97	94	102
8	96	81	100	95	95	95	100	98	98	98	101	104
9	103	91	82	95	95	93	99	97	96	92	93	101
10	101	92	91	82	96	95	92	91	99	92	97	93
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2350 MHz; -4 dBm.
LO IN: 2380 MHz; +7 dBm
IF OUT: 30 MHz; -10.46 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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