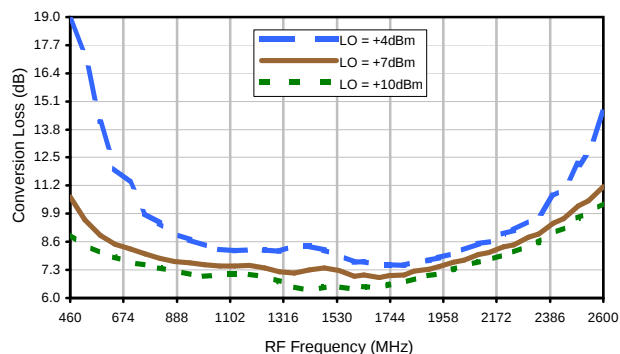
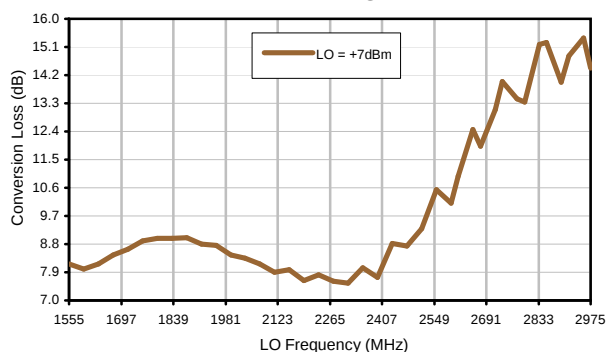


Typical Performance Curves

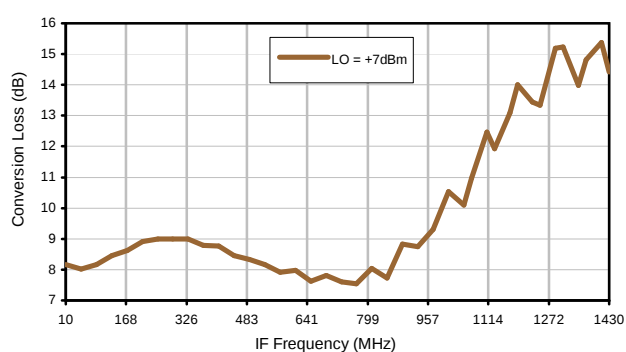
Conversion Loss @ IF=30MHz



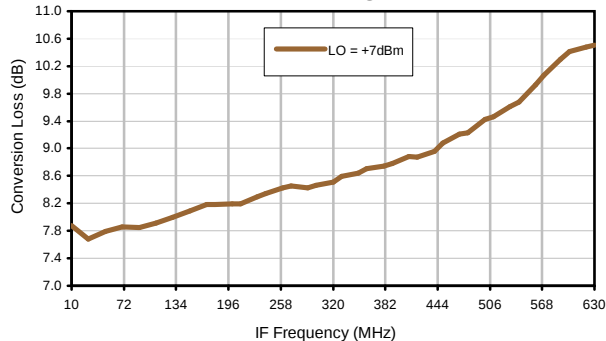
Conversion Loss vs. LO @ RF=1544.9MHz



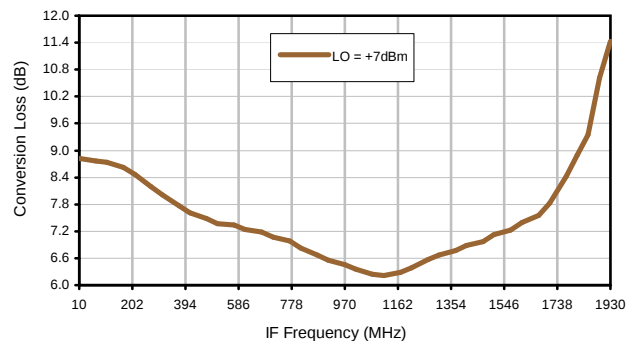
Conversion Loss vs. IF @ RF=1544.9MHz



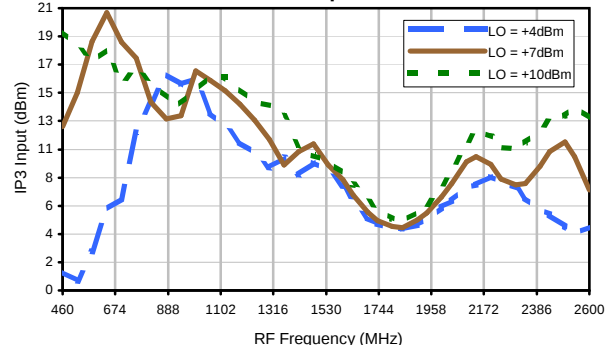
Conversion Loss vs. IF @ RF=869.9MHz



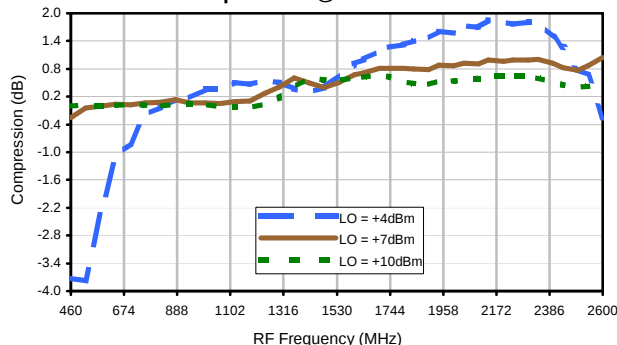
Conversion Loss vs. IF @ RF=2240.1MHz



IP3 Input



Compression @ RF IN=+1dBm

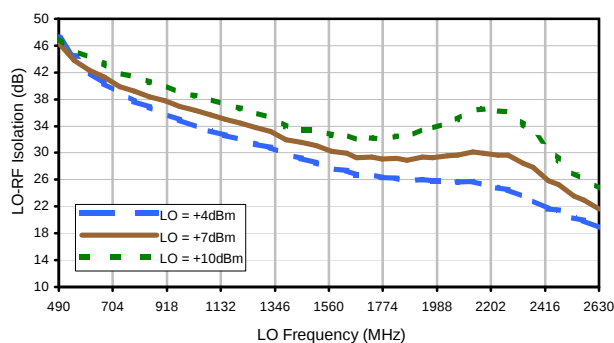


Frequency Mixer

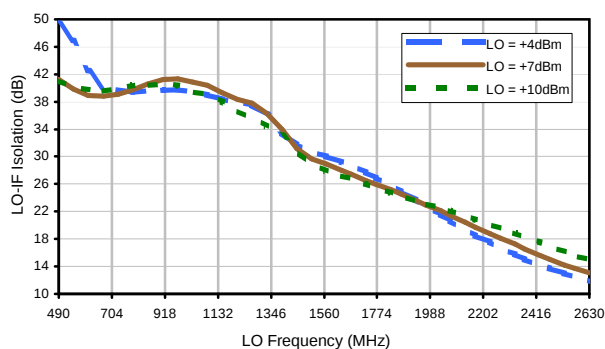
Typical Performance Curves

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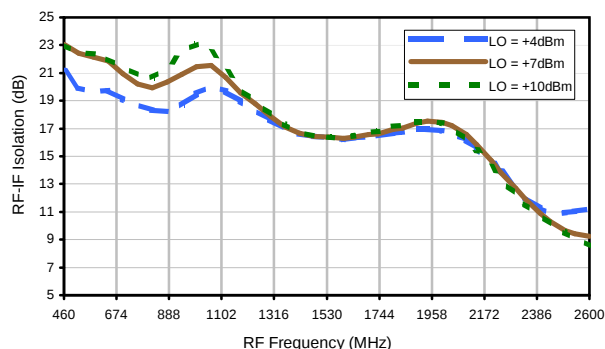
LO-RF Isolation



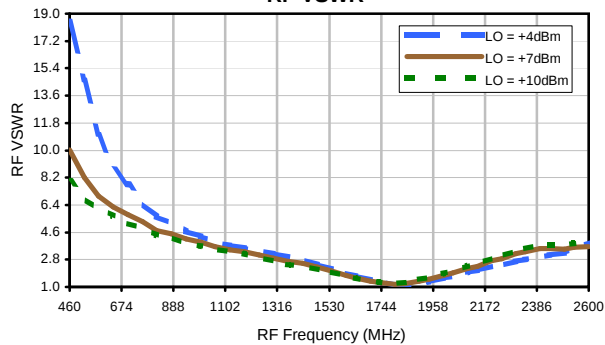
LO-IF Isolation



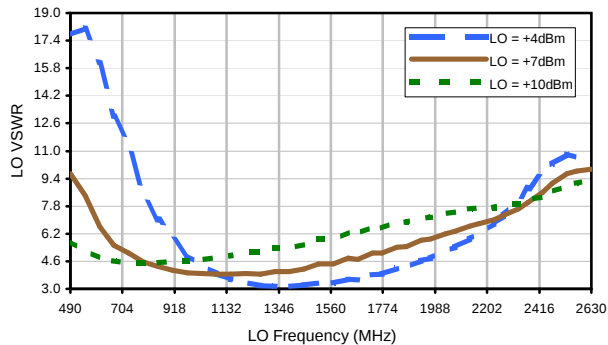
RF-IF Isolation



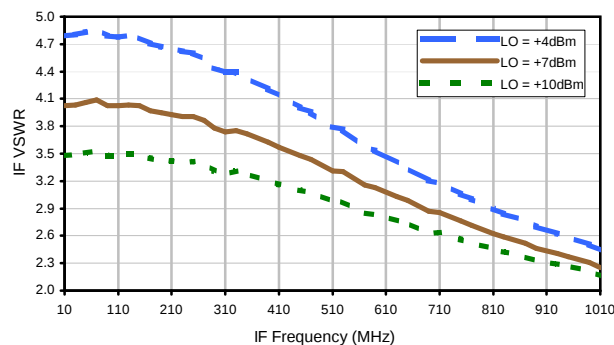
RF VSWR



LO VSWR



IF VSWR



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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	1	14	12	28	30	30	36	38	33	41
1	-	9	0	20	17	32	45	36	56	52	59	40
2	64	48	44	45	49	55	58	56	60	62	65	61
3	121	67	68	53	56	54	54	74	81	65	90	85
4	111	92	102	82	74	82	100	86	86	84	89	88
5	117	89	89	99	87	85	90	88	86	92	89	108
6	119	117	93	97	90	89	94	99	89	103	86	86
7	118	86	92	95	101	90	91	94	88	96	89	107
8	119	84	106	92	90	91	102	100	84	99	84	97
9	127	90	89	92	99	105	97	96	88	102	95	94
10	112	90	95	100	90	85	93	103	90	85	90	91
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1555 MHz; -14.00 dBm.
LO IN: 1585 MHz; +7.00 dBm
IF OUT: 30 MHz; -21.3 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	10	25	23	40	40	44	51	57	52	70
1	-	9	0	22	19	35	48	40	59	58	61	50
2	64	39	34	35	35	51	46	50	60	57	61	60
3	121	48	49	36	34	39	39	54	63	51	81	70
4	111	63	70	64	49	47	56	60	72	62	73	67
5	117	63	69	84	72	59	51	54	56	80	74	62
6	119	79	74	80	80	70	63	61	71	92	79	72
7	118	95	91	81	87	92	82	68	64	85	81	93
8	119	98	99	99	87	96	96	94	70	70	74	85
9	127	98	106	120	96	95	98	95	96	83	75	80
10	112	107	98	98	105	106	93	98	101	93	85	82
RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 1555 MHz; -4.00 dBm.
LO IN: 1585 MHz; +7.00 dBm
IF OUT: 30 MHz; -11.32 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.