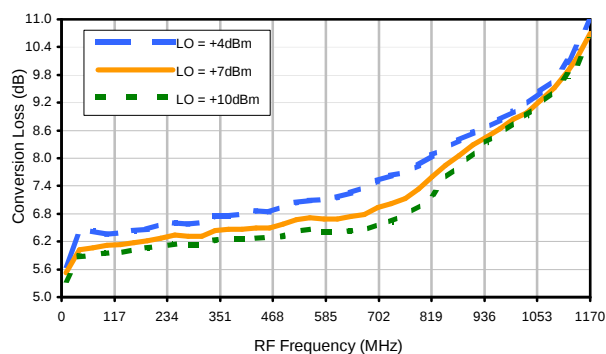


Frequency Mixer

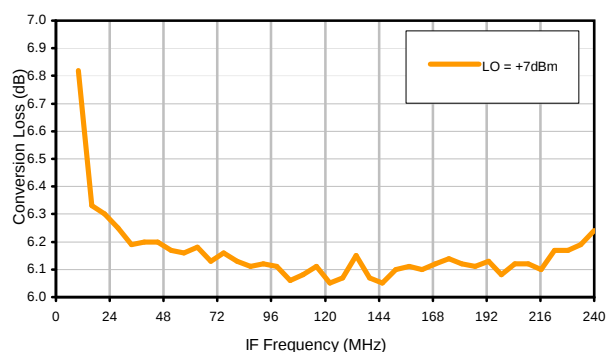
LRMS-ED6552/1

Typical Performance Curves

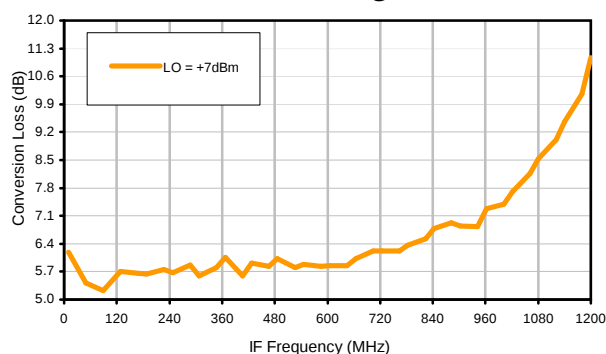
Conversion Loss @ IF=30MHz



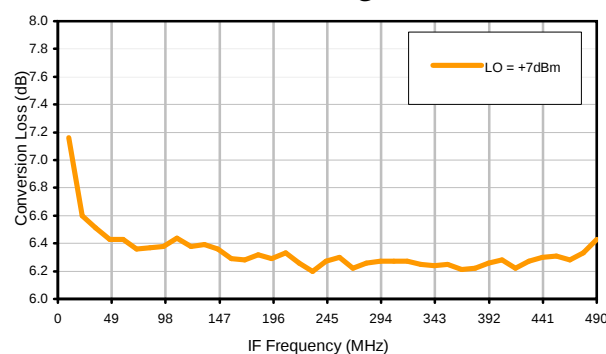
Conversion Loss vs. IF @ RF=250.1MHz



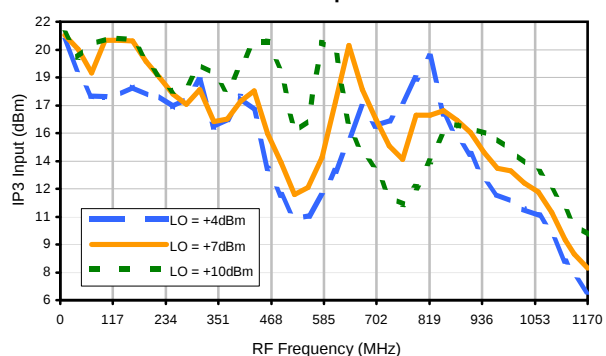
Conversion Loss vs. IF @ RF=10.1MHz



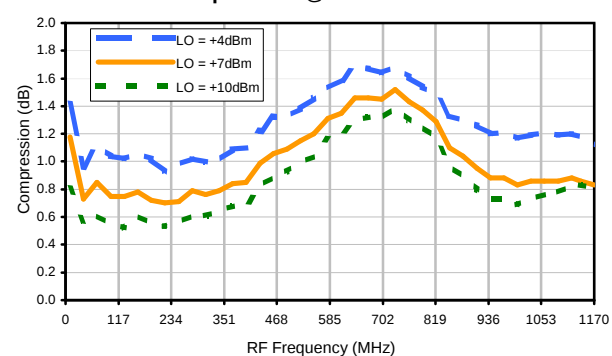
Conversion Loss vs. IF @ RF=500.1MHz



IP3 Input

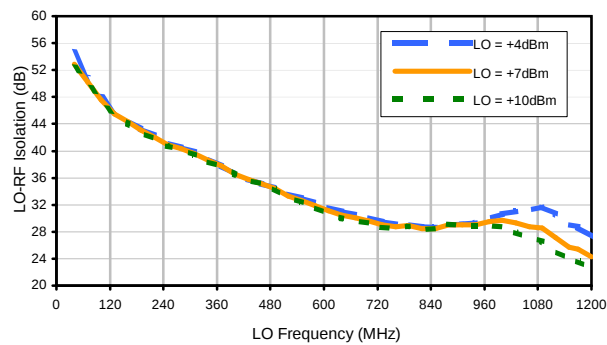


Compression @ RF IN=+1dBm

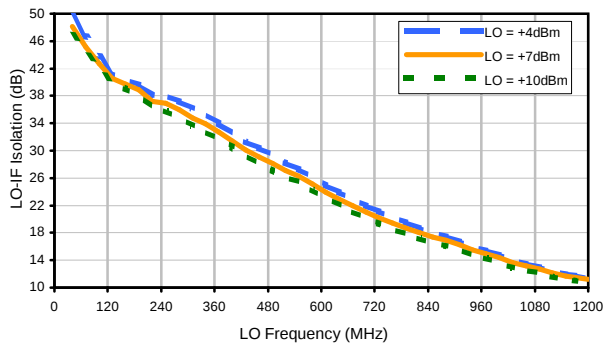


Typical Performance Curves

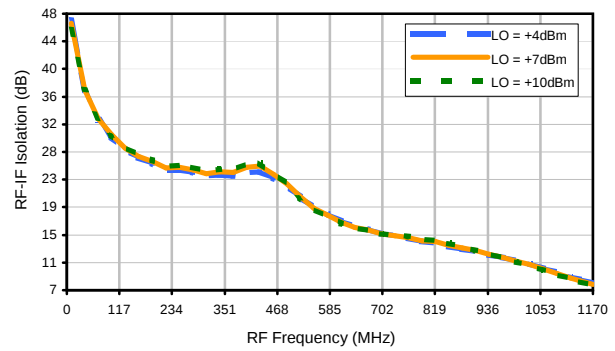
LO-RF Isolation



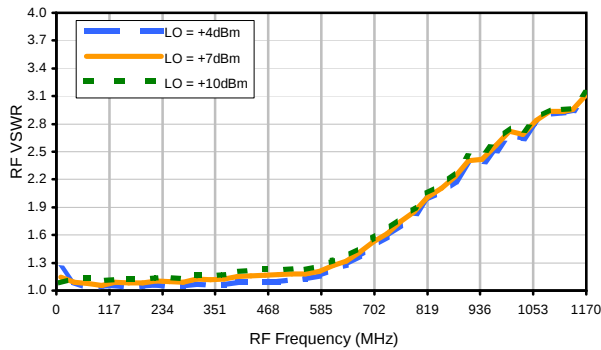
LO-IF Isolation



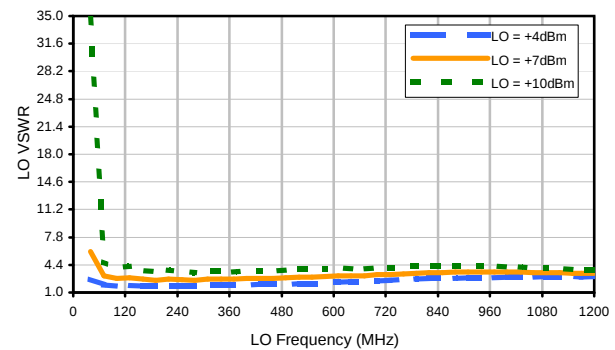
RF-IF Isolation



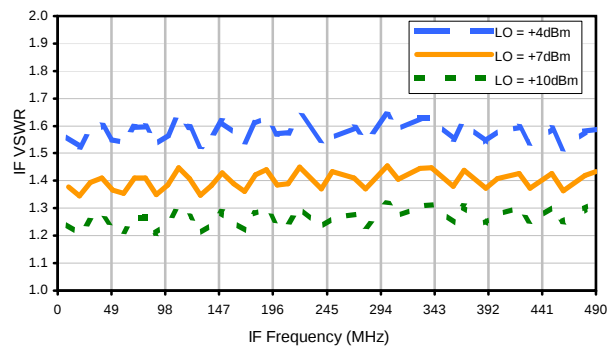
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(dBc)										
0	-	-	8	18	9	28	14	42	28	39	30	44
1	-	19	+0	31	12	34	19	40	34	48	44	48
2	>90	63	44	66	45	60	44	>70	49	>70	61	>70
3	>90	>70	63	>70	61	>70	57	>70	63	>70	68	>70
4	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
5	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
6	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
7	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
8	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
9	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
10	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -14.00 dBm.
LO IN: 280.1 MHz; +7.00 dBm
IF OUT: 30 MHz; -20.1 dBm

RF HARMONICS ORDER

	(-dBm)	(dBc)										
0	-	-	17	28	21	41	26	52	39	51	43	59
1	-	19	+0	31	12	36	21	44	35	54	46	56
2	79	59	39	71	40	58	40	60	45	69	60	72
3	>90	47	44	53	50	59	44	58	46	60	57	67
4	>90	>80	59	67	58	66	59	63	53	78	60	>80
5	>90	72	62	63	54	68	53	68	53	78	59	80
6	>90	>80	70	>80	71	>80	73	>80	75	>80	75	>80
7	>90	>80	>80	>80	>80	76	78	78	76	78	68	>80
8	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
9	>90	>80	>80	>80	>80	>80	>80	>80	79	>80	>80	>80
10	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 250.1 MHz; -4.00 dBm.
LO IN: 280.1 MHz; +7.00 dBm
IF OUT: 30 MHz; -10.1 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.