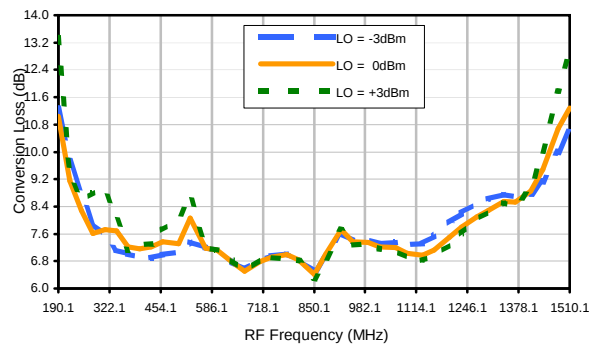
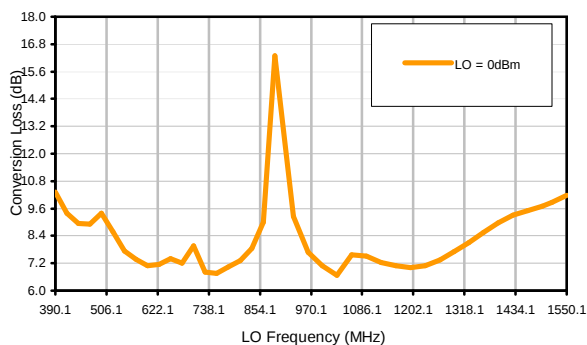


Typical Performance Curves

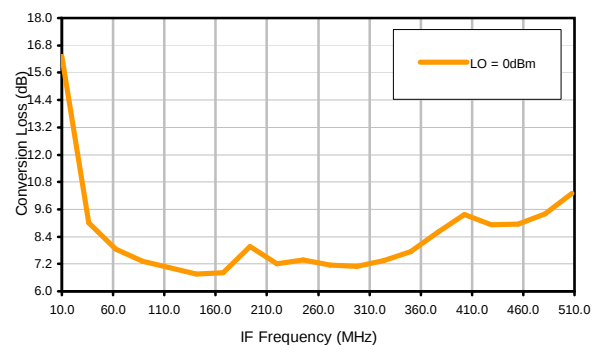
Conversion Loss @ IF=169MHz



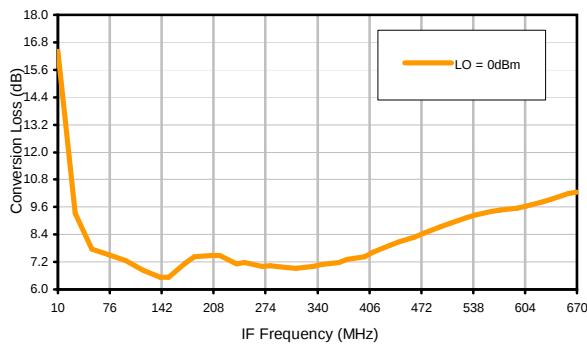
Conversion Loss vs. LO @ RF=897.5MHz



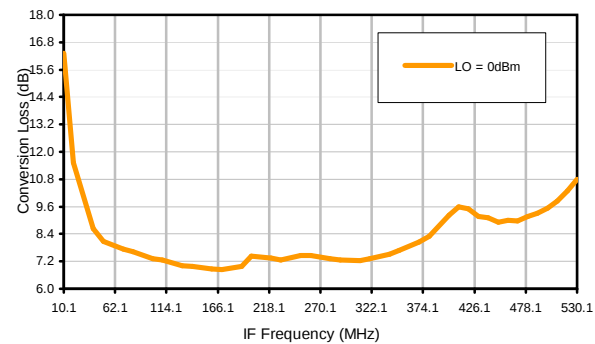
Conversion Loss vs. IF @ RF=897.5MHz



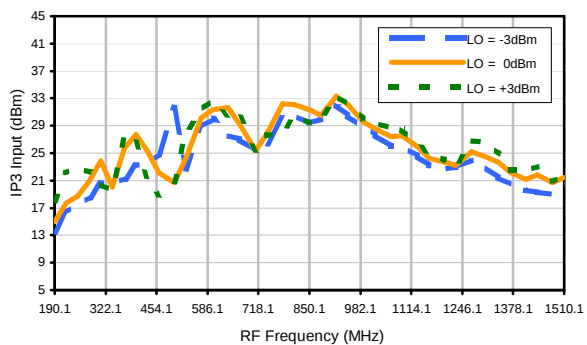
Conversion Loss vs. IF @ RF=880.1MHz



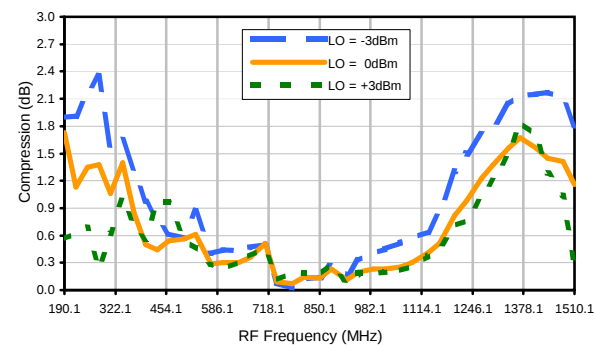
Conversion Loss vs. IF @ RF=915.1MHz



IP3 Input



Compression @ RF IN=+15dBm

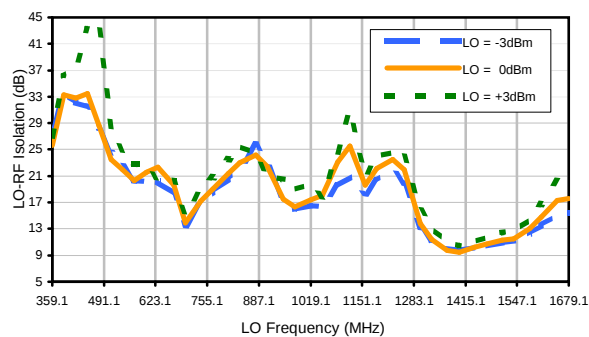


Frequency Mixer

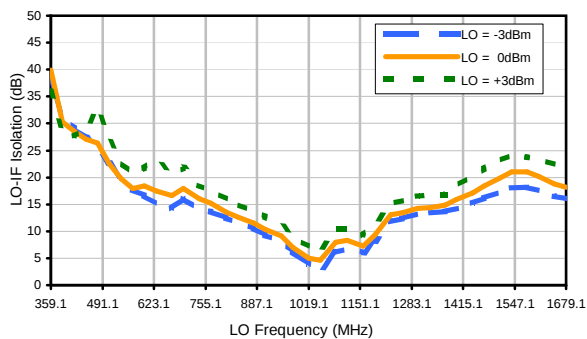
AMCY-ED12679/1

Typical Performance Curves

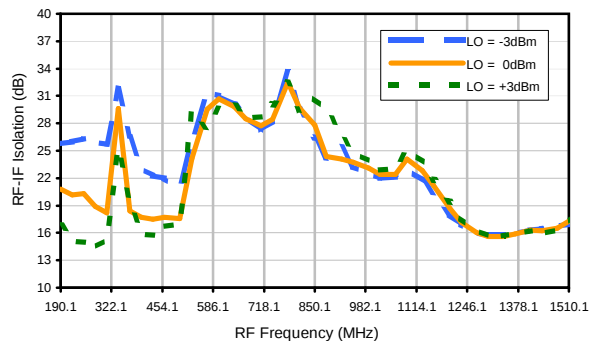
LO-RF Isolation



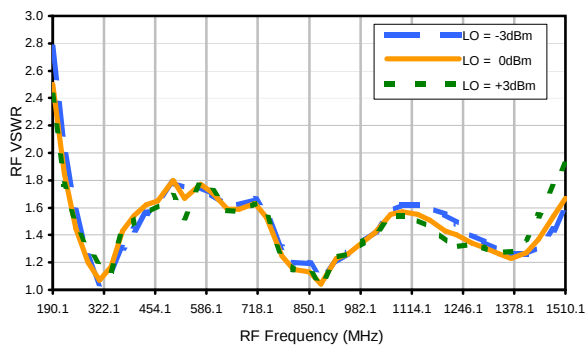
LO-IF Isolation



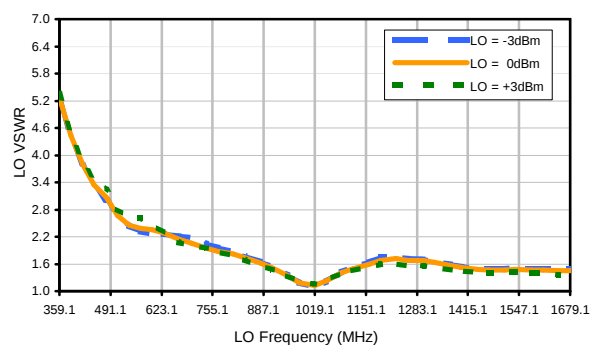
RF-IF Isolation



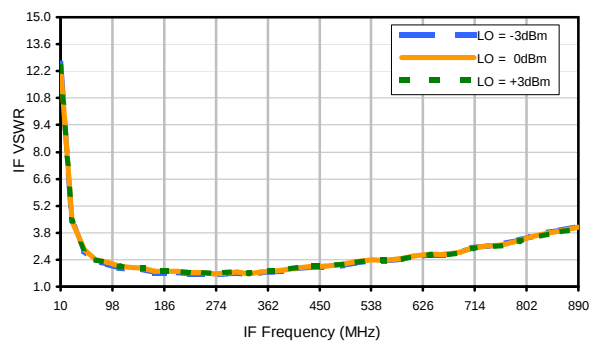
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER	(-dBm)											
	(-dBc)											
0	-	-	+1	5	16	20	22	34	21	35	36	39
1	-	15	+0	21	19	39	52	41	42	54	48	48
2	61	71	64	54	70	56	71	81	68	73	75	78
3	>90	81	72	81	74	>83	76	>83	>83	>83	>83	>83
4	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
5	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
6	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
7	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
8	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
9	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
10	>90	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83	>83
RF CAL												
	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 897.50 MHz; 0.00 dBm.
LO IN: 1066.50 MHz; 0.00 dBm
IF OUT: 169.00 MHz; -7.23 dBm

RF HARMONICS ORDER	(-dBm)											
	(-dBc)											
0	-	-	8	15	26	31	32	45	32	45	47	51
1	-	15	+0	21	19	40	50	42	42	54	49	49
2	42	62	56	45	58	46	61	70	58	63	66	70
3	65	62	53	62	55	69	58	76	77	83	78	80
4	90	85	75	83	84	83	90	84	>93	>93	>93	>93
5	>90	>93	92	86	>93	>93	>93	>93	>93	>93	>93	>93
6	>90	>93	>93	>93	>93	>93	90	>93	>93	>93	>93	>93
7	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
8	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
9	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
10	>90	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93	>93
RF CAL												
	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions: RF IN: 897.50 MHz; 10.00 dBm.
LO IN: 1066.50 MHz; 0.00 dBm
IF OUT: 169.00 MHz; +2.71 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.