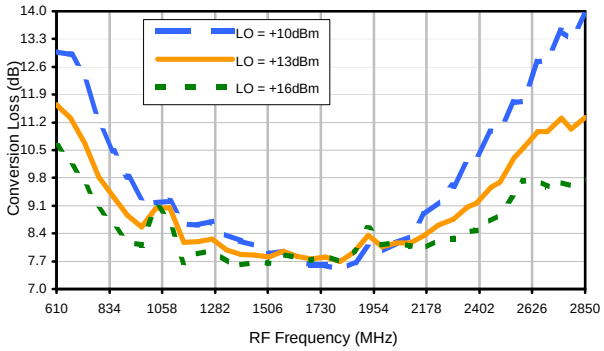
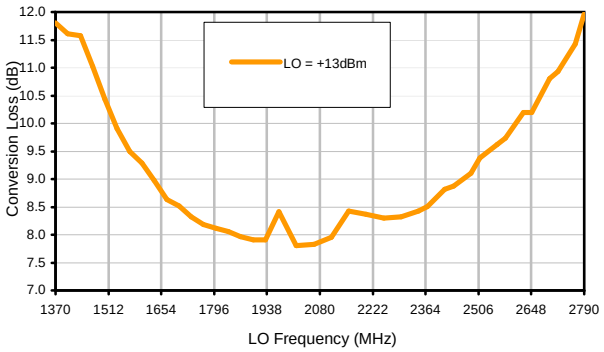
Typical Performance Curves

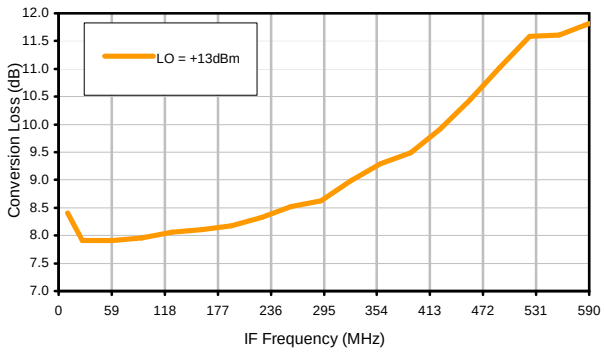
Conversion Loss @ IF=246MHz



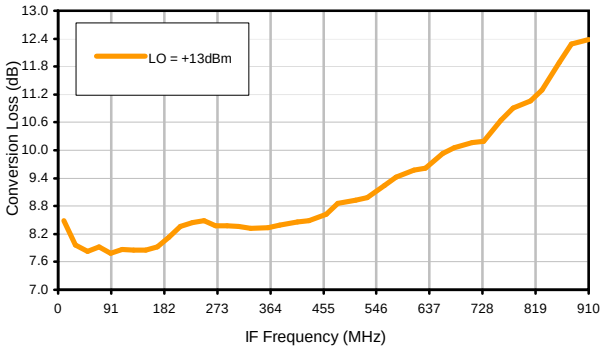
Conversion Loss vs. LO @ RF=1960.1MHz



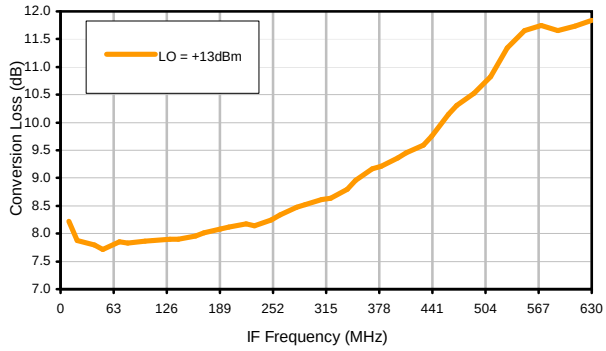
Conversion Loss vs. IF @ RF=1960.1MHz



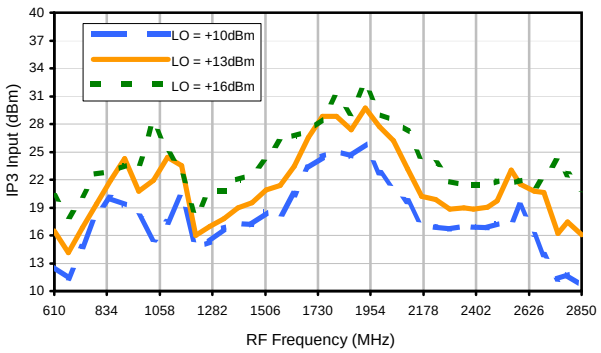
Conversion Loss vs. IF @ RF=1930.1MHz



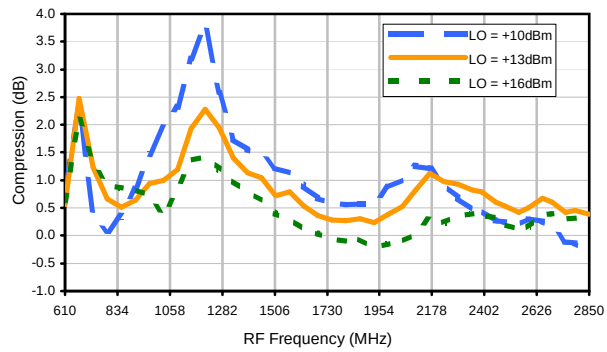
Conversion Loss vs. IF @ RF=1990.1MHz



IP3 Input

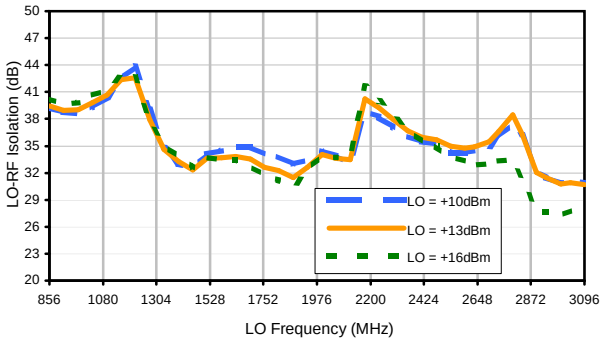


Compression @ RF IN=+13dBm

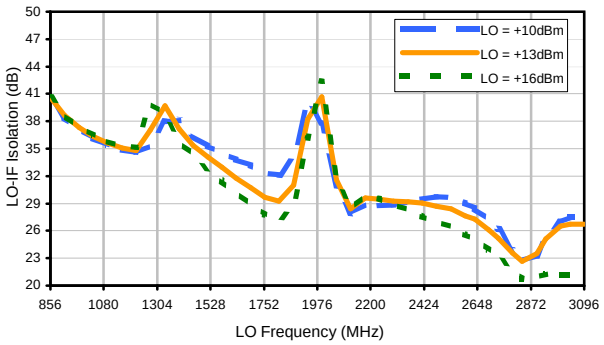


Typical Performance Curves

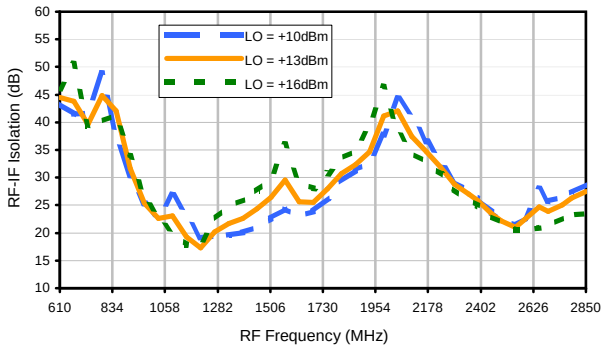
LO-RF Isolation



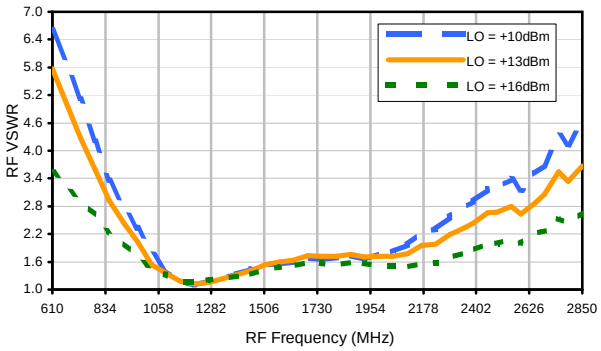
LO-IF Isolation



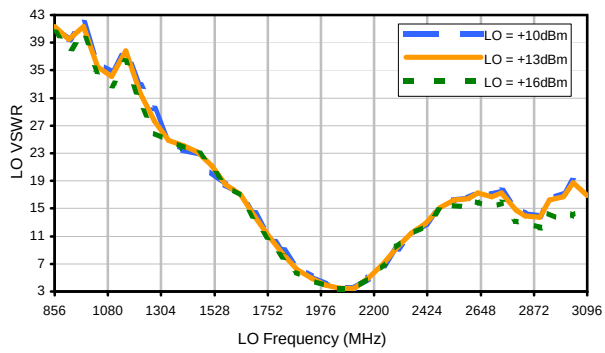
RF-IF Isolation



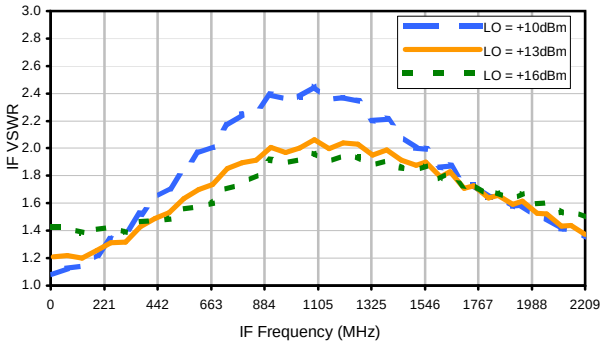
RF VSWR



LO VSWR



IF VSWR



Frequency Mixer HJK-ED10447/1

Harmonics Tables

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	7	18	22	29	32	40	42	60	55	65
1	-	28	+0	32	17	40	38	46	50	43	63	75
2	68	74	54	59	50	68	72	58	63	61	77	>80
3	>90	68	59	78	54	77	58	>80	>80	78	68	>80
4	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
5	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
6	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
7	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
8	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
9	>90	>80	>80	>80	>80	>80	>80	>80	>80	>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: 1960.1 MHz; -2.00 dBm.
LO IN: 2206.1 MHz; +13.00 dBm
IF OUT: 246 MHz; -9.89 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)										
0	-	-	18	27	33	43	42	60	64	65	70	71
1	-	28	+0	33	18	40	39	47	50	46	74	78
2	48	67	45	48	43	59	63	51	57	52	73	77
3	81	52	40	52	34	55	39	57	58	60	52	65
4	>90	70	70	66	60	76	62	65	69	64	66	67
5	>90	85	68	68	58	80	57	79	58	76	84	72
6	>90	77	81	>90	82	73	73	83	77	74	>90	82
7	>90	88	89	>90	84	83	73	76	75	82	74	>90
8	>90	>90	>90	86	>90	>90	85	>90	82	83	88	86
9	>90	>90	>90	>90	>90	>90	89	>90	82	85	84	88
10	>90	>90	>90	>90	>90	>90	>90	>90	>90	>90	>90	>90
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1960.1 MHz; 8.00 dBm.
LO IN: 2206.1 MHz; +13.00 dBm
IF OUT: 246 MHz; 0 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.