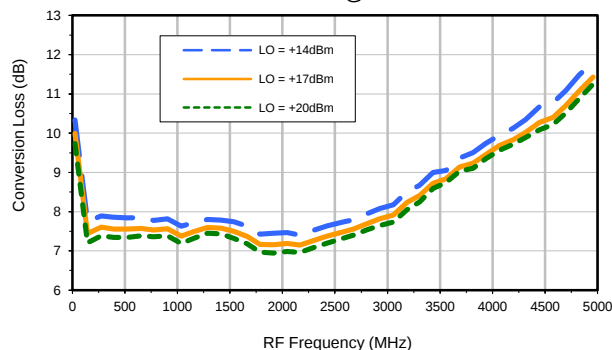
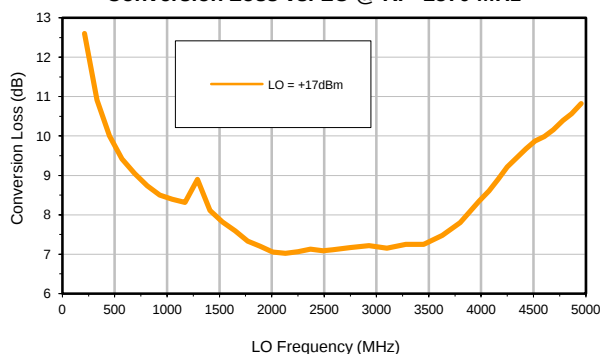


Typical Performance Curves

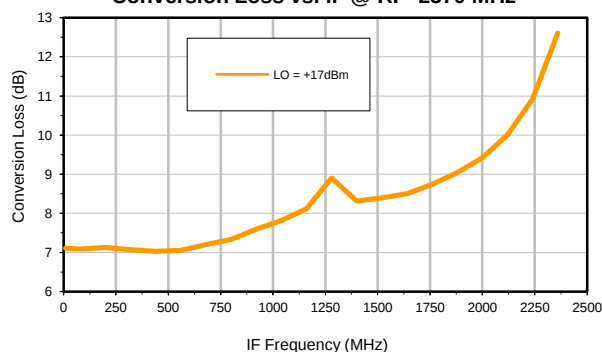
Conversion Loss @IF=970 MHz



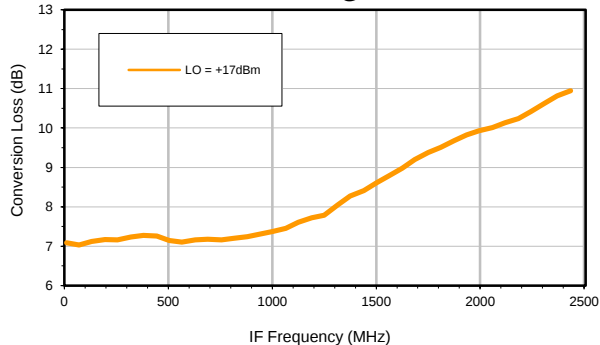
Conversion Loss vs. LO @ RF=2570 MHz



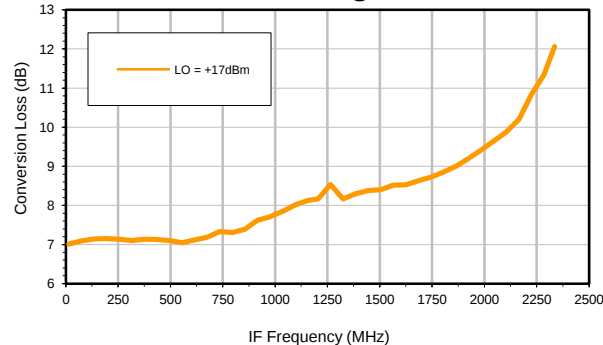
Conversion Loss vs. IF @ RF=2570 MHz



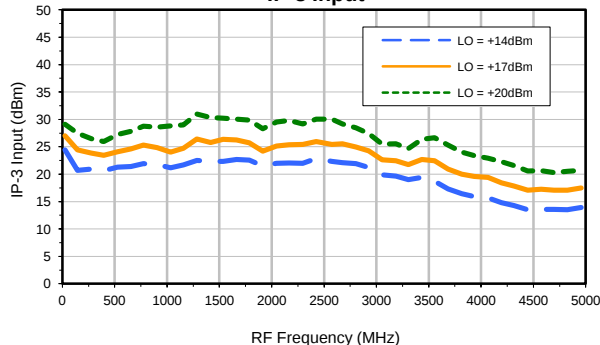
Conversion Loss vs. IF @ RF=2565.1 MHz



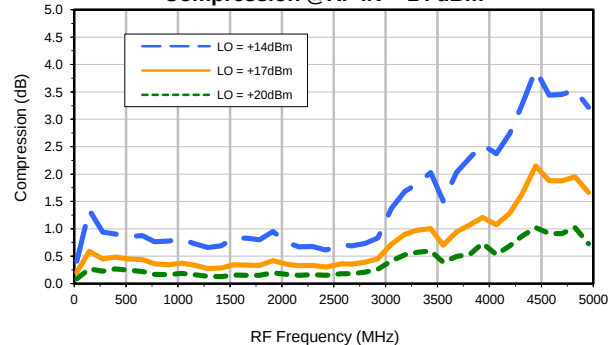
Conversion Loss vs. IF @ RF=2575 MHz



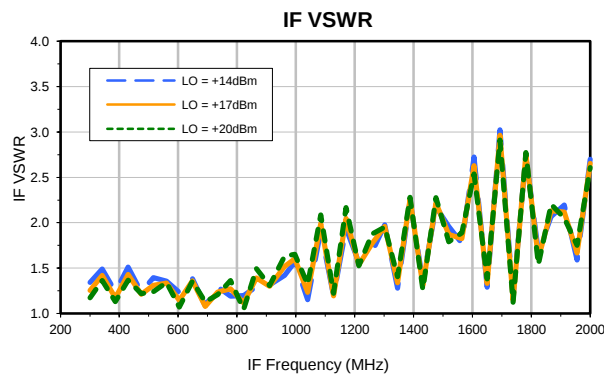
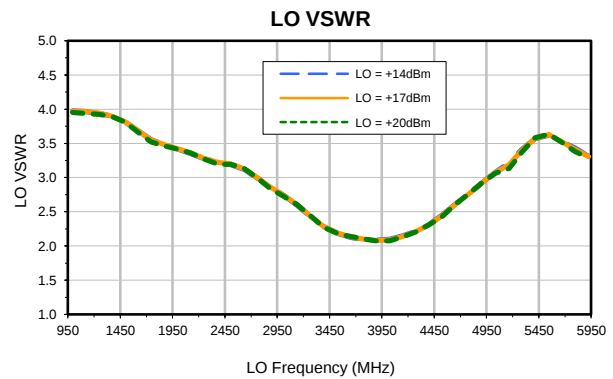
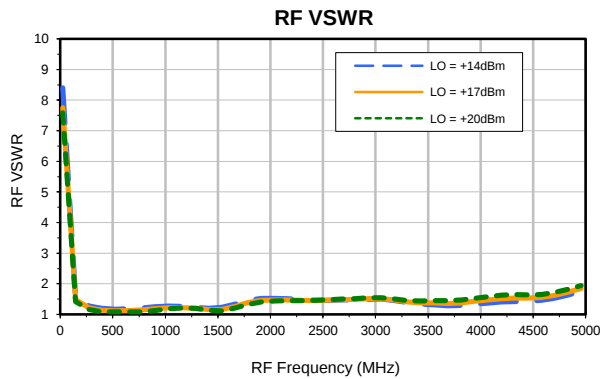
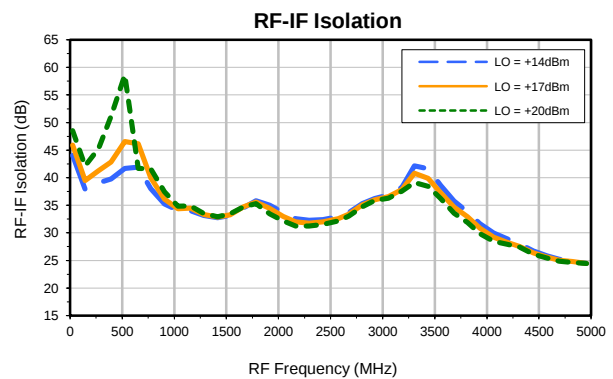
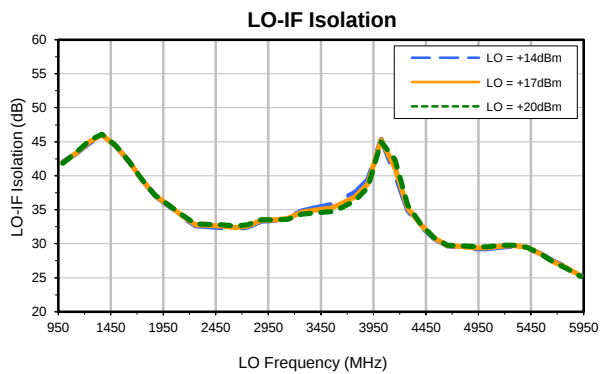
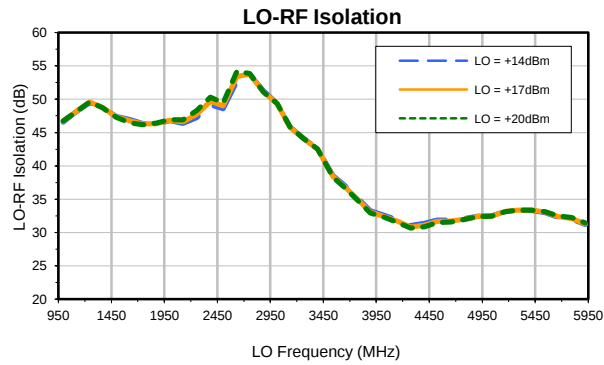
IP-3 Input



Compression @RF IN=+14 dBm



Typical Performance Curves



Frequency Mixer

Harmonics Tables

HJK-ED14922/1

RF HARMONICS ORDER

	(-dBm)	(dBc)										
0	---	---	10.76	20.41	26.55	30.36	46.99	60.68	48.42	---	---	---
1	---	26.94	---	39.13	43.09	44.64	39.19	51.45	70.72	82.40	---	---
2	107.62	53.08	63.69	54.39	71.56	71.36	67.36	66.89	90.52	106.54	---	---
3	118.88	76.75	63.56	83.07	68.77	76.35	86.75	88.18	107.99	90.80	105.77	---
4	118.93	98.54	99.94	84.46	85.71	85.71	96.51	103.84	110.13	110.28	109.47	106.33
5	117.21	113.03	111.85	112.59	89.01	104.02	95.14	116.10	106.67	104.73	110.00	110.06
6	115.81	112.61	114.10	115.49	111.68	111.85	109.63	112.59	113.03	113.73	112.81	109.69
7	113.06	109.80	114.47	114.02	117.71	110.96	115.10	113.04	117.08	114.06	114.15	112.24
8	111.60	107.83	109.62	115.30	113.02	115.60	111.61	112.64	113.51	115.36	114.51	111.01
9	109.86	108.17	111.08	113.10	114.20	114.85	115.40	111.42	111.18	115.23	115.77	114.18
10	108.50	104.51	107.13	110.06	111.64	114.66	116.23	114.35	109.63	110.82	114.24	115.68
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2570 MHz; 0 dBm.
LO IN: 3540 MHz; +17.00 dBm
IF OUT: 970 MHz; -6.69 dBm

RF HARMONICS ORDER

	(-dBm)	(dBc)										
0	---	---	15.72	34.18	35.84	43.26	56.23	75.82	61.67	---	---	---
1	---	25.02	---	40.67	40.48	44.96	40.96	54.15	75.41	88.16	---	---
2	91.32	40.44	47.23	40.62	66.92	62.80	59.67	54.68	79.82	88.21	---	---
3	114.97	62.07	42.23	68.59	42.49	60.34	67.82	68.85	85.92	73.35	96.55	---
4	114.32	65.92	92.16	66.26	66.86	75.86	76.62	72.16	70.49	97.72	87.99	98.40
5	113.66	97.21	99.52	80.01	60.95	65.38	67.26	87.15	84.42	94.68	102.64	108.05
6	112.55	88.19	87.77	94.03	88.79	71.48	86.18	81.05	103.32	89.10	96.12	99.16
7	109.64	116.99	91.82	96.66	90.34	77.52	67.76	75.60	86.34	88.98	90.47	104.10
8	109.53	117.04	109.66	110.13	102.24	92.51	87.92	75.06	93.77	111.76	108.34	99.30
9	104.78	116.14	119.71	102.10	106.32	111.45	91.61	80.54	81.48	89.77	107.50	109.13
10	106.50	112.29	120.12	120.50	120.89	107.32	112.75	102.09	88.59	105.65	101.35	115.88
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2570 MHz; 10 dBm.
LO IN: 3540 MHz; +17.00 dBm
IF OUT: 970 MHz; 3.20 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 represents the Harmonics level of the RF Input Signal to the mixer

