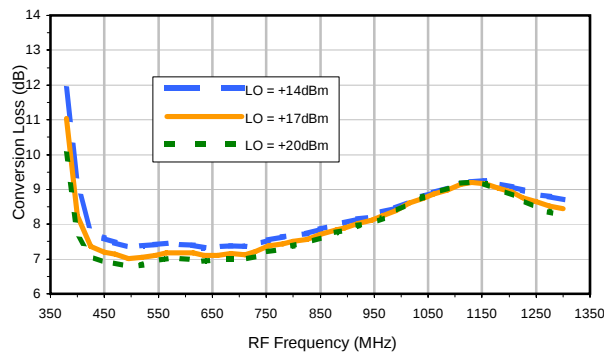
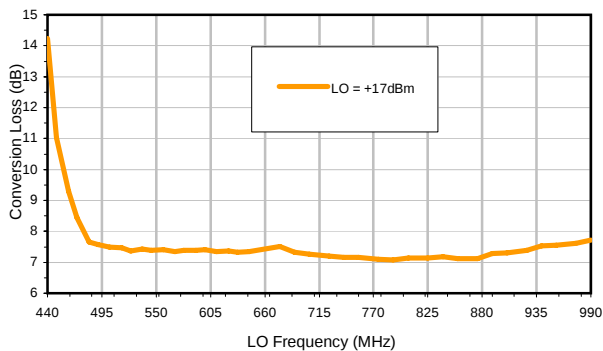


Typical Performance Curves

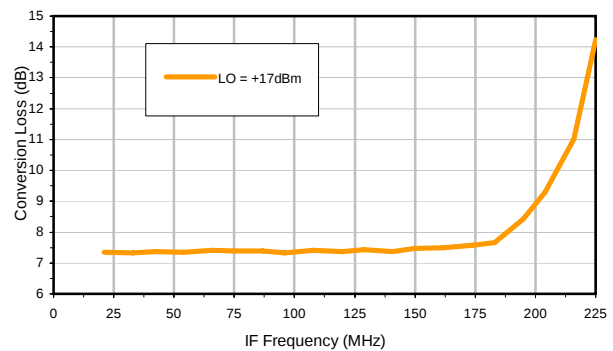
Conversion Loss @IF=70 MHz



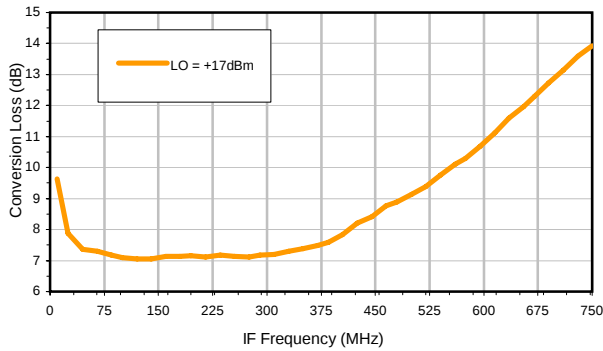
Conversion Loss vs. LO @ RF=665 MHz



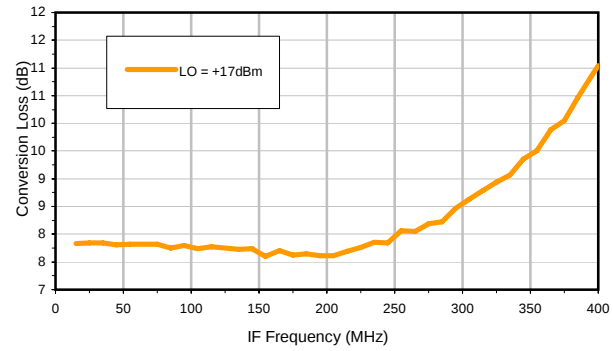
Conversion Loss vs. IF @ RF=665 MHz



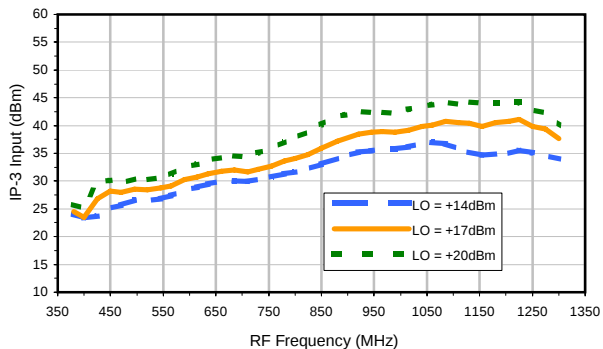
Conversion Loss vs. IF @ RF=450 MHz



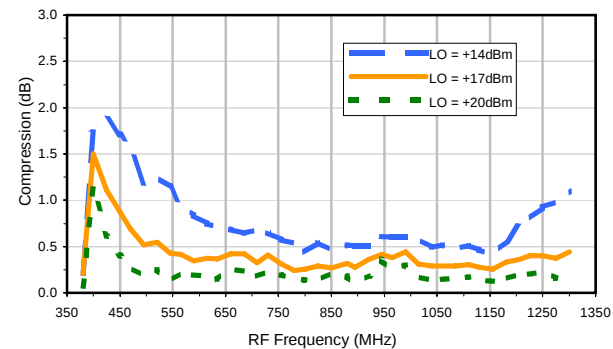
Conversion Loss vs. IF @ RF=880 MHz



IP-3 Input



Compression @RF IN=+20 dBm

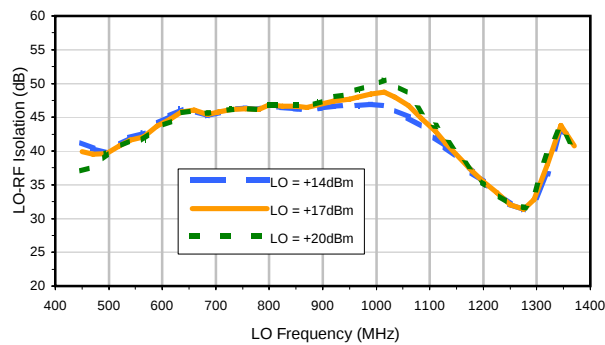


Frequency Mixer

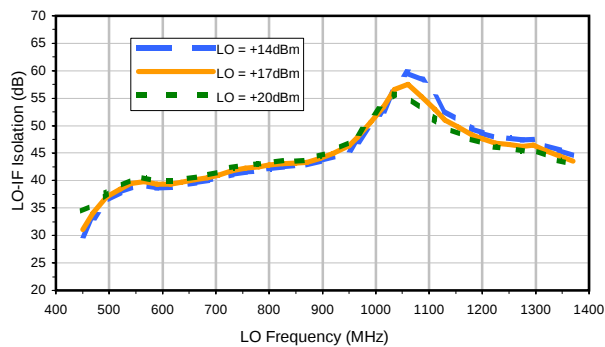
Typical Performance Curves

HJK-ED14508/1

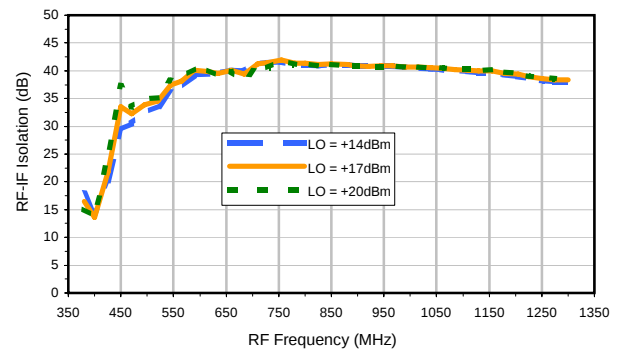
LO-RF Isolation



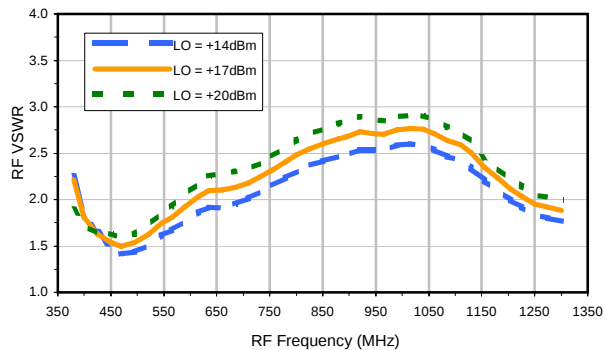
LO-IF Isolation



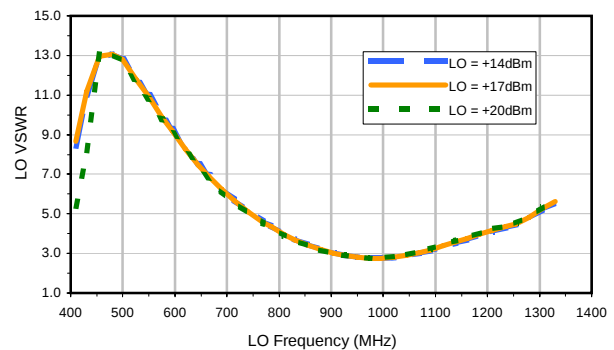
RF-IF Isolation



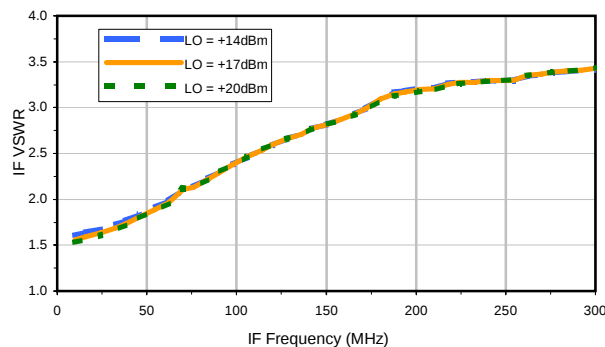
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER		(-dBm)	(-dBc)										
	0	---	---	20.55	33.35	40.22	36.68	54.64	48.53	49.58	46.59	49.05	49.94
	1	---	31.04	---	40.53	25.29	59.49	36.35	64.50	50.68	62.62	59.75	62.11
	2	91.41	48.28	44.56	62.66	53.24	59.91	59.90	70.19	83.89	63.41	73.55	67.69
	3	113.67	94.55	54.71	69.20	46.18	72.91	60.38	77.49	69.63	87.63	73.47	82.00
	4	110.97	78.95	84.05	75.42	73.26	66.90	81.29	79.84	91.96	81.49	104.45	78.14
	5	112.71	96.02	75.08	97.05	78.15	71.59	63.86	89.08	90.70	84.74	94.30	97.01
	6	111.21	98.92	90.03	85.02	85.33	86.38	65.10	75.38	81.43	98.09	79.30	97.28
	7	113.61	95.67	102.54	97.42	83.12	96.69	77.42	78.18	70.95	93.02	90.71	91.98
	8	110.73	103.33	100.69	105.95	97.18	107.71	92.62	105.46	73.99	90.14	93.44	109.83
	9	111.24	102.44	107.62	101.99	113.15	101.47	97.31	101.69	86.74	84.45	85.76	100.08
	10	113.22	115.75	110.56	117.70	111.27	116.75	108.09	101.37	113.31	95.55	94.47	90.84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 665 MHz; 5.00 dBm.
 LO IN: 735 MHz; +17.00 dBm
 IF OUT: 70 MHz; -2.88 dBm

RF HARMONICS ORDER	(-dBm)	(-dBc)											
	0	---	---	32.50	43.06	48.73	44.03	62.99	50.16	61.54	52.57	64.03	53.75
	1	---	33.25	---	39.73	27.11	64.29	41.21	66.19	59.46	64.55	61.46	67.25
	2	81.43	39.84	44.03	51.63	51.52	52.04	60.59	69.33	78.43	62.39	80.27	75.42
	3	103.02	67.31	44.74	62.01	36.57	58.16	50.30	75.82	58.42	88.36	67.03	81.33
	4	101.59	70.94	77.37	65.93	54.99	65.96	69.56	69.82	67.74	79.10	87.32	66.98
	5	101.05	92.53	59.93	79.31	56.18	72.22	49.46	67.87	61.64	89.51	74.12	98.21
	6	102.26	86.66	89.96	76.14	104.95	74.15	66.29	81.80	84.39	77.52	74.00	89.07
	7	102.34	94.19	104.46	93.68	77.63	82.05	63.18	75.49	57.74	76.40	70.95	82.53
	8	99.68	91.48	95.89	96.43	94.83	93.65	105.55	84.03	76.87	83.92	93.11	86.47
	9	101.63	98.09	97.82	97.68	116.38	93.65	90.01	87.64	75.76	86.48	69.65	83.30
	10	101.94	98.23	104.40	102.29	97.55	101.90	104.70	96.96	91.18	80.26	87.86	82.73
	RF CAL	0	1	2	3	4	5	6	7	8	9	10	

LO HARMONICS ORDER

Test conditions:

RF IN: 665 MHz; 15.00 dBm.
 LO IN: 735 MHz; +17.00 dBm
 IF OUT: 70 MHz; 7.17 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