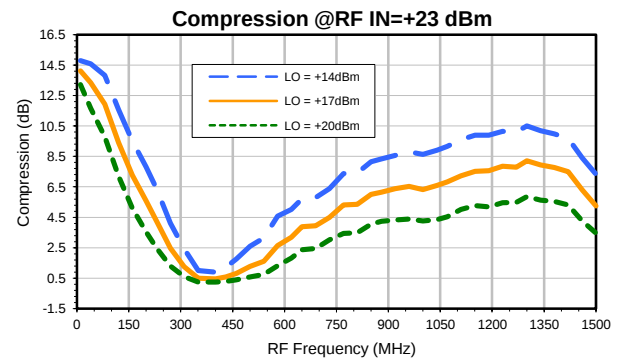
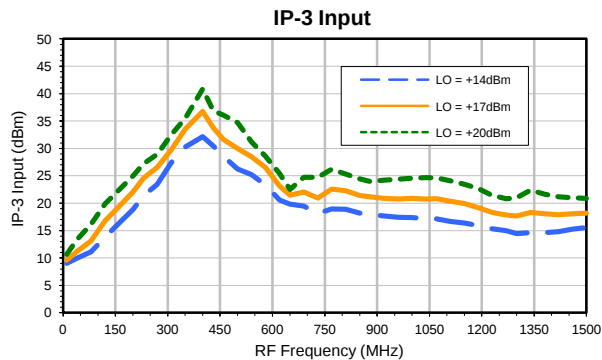
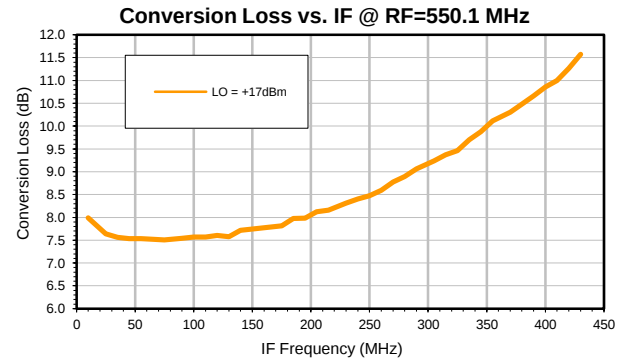
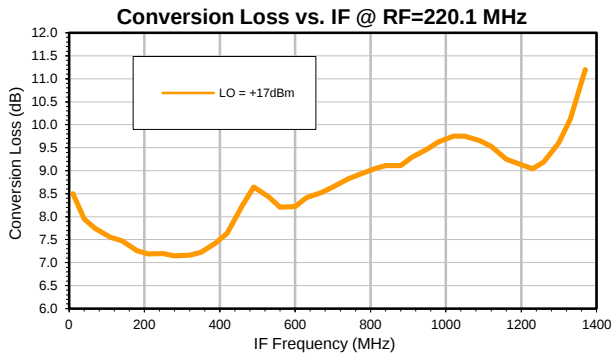
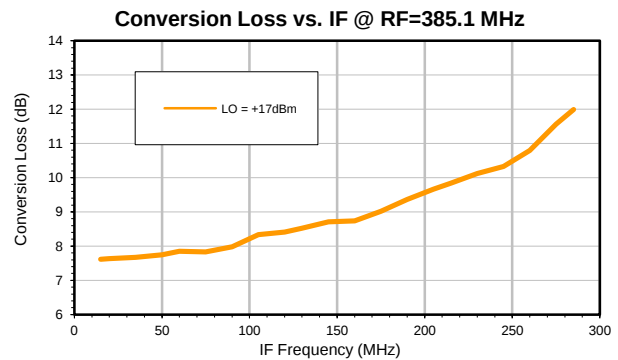
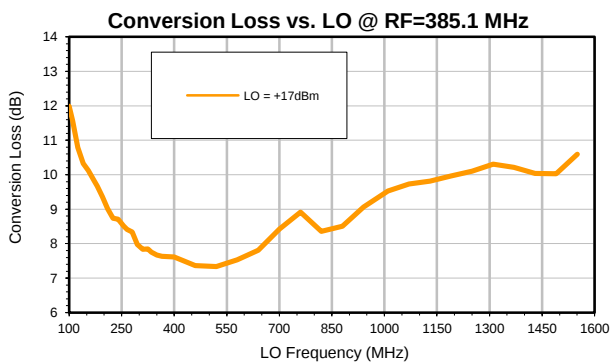
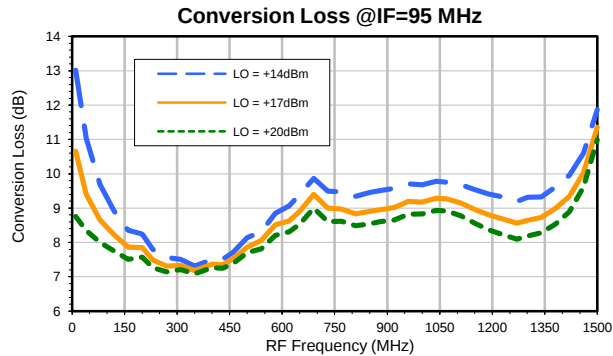


Frequency Mixer

Typical Performance Curves

MWJ-ED16140/1

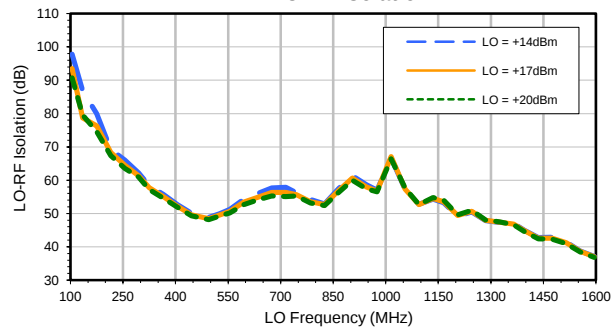


Frequency Mixer

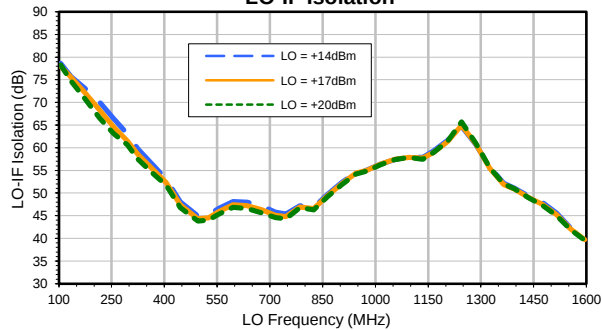
Typical Performance Curves

MWJ-ED16140/1

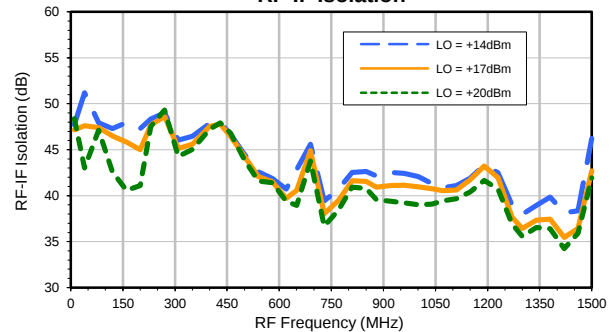
LO-RF Isolation



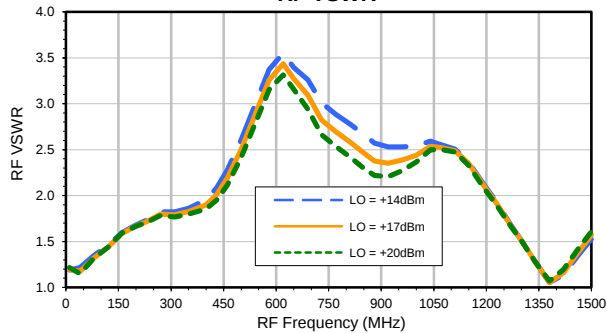
LO-IF Isolation



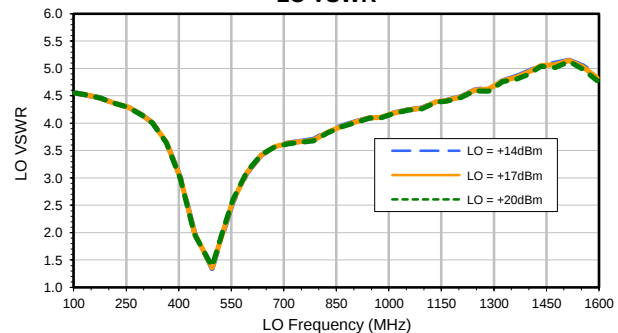
RF-IF Isolation



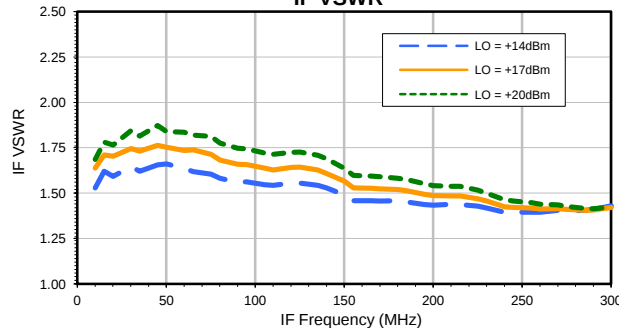
RF VSWR



LO VSWR



IF VSWR



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	20.21	20.77	25.91	43.61	40.66	50.77	55.22	67.28	59.77	61.45
1	---	39.78	---	43.16	11.26	45.38	23.63	60.47	45.19	69.75	53.39	57.92
2	106.86	56.80	62.80	51.24	67.58	52.19	59.20	59.16	69.29	73.27	97.30	71.44
3	125.29	95.89	80.29	90.96	77.96	93.99	78.45	113.35	82.06	100.75	106.16	116.46
4	125.94	119.36	113.53	118.66	121.35	116.17	110.56	115.39	111.85	114.52	115.78	116.12
5	126.53	118.14	108.27	119.51	103.73	106.45	103.45	118.03	110.13	118.82	118.49	118.07
6	123.80	118.50	117.41	120.97	118.42	120.20	115.66	120.83	119.61	119.83	118.00	117.36
7	123.21	115.32	119.01	119.26	119.57	118.91	114.66	118.58	118.84	119.94	120.86	119.67
8	123.51	117.27	117.01	119.54	119.68	118.02	119.97	100.57	118.99	110.97	120.02	117.28
9	123.94	117.13	99.92	117.15	119.33	115.65	112.54	119.51	107.36	118.73	116.20	119.29
10	124.51	118.26	121.04	116.72	119.38	118.34	117.32	120.01	118.10	118.94	118.06	119.96
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 385 MHz; 0 dBm.
LO IN: 480 MHz; +17 dBm
IF OUT: 95 MHz; -7.08 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	28.62	30.12	36.58	62.33	55.88	51.96	66.58	62.50	61.45	57.90
1	---	39.59	---	42.54	11.40	45.13	23.78	59.90	45.64	70.31	52.83	58.65
2	86.32	46.55	52.39	41.35	58.72	42.59	49.93	49.89	60.07	63.80	87.79	61.97
3	94.56	77.60	58.30	70.73	55.61	71.72	56.24	79.25	59.63	81.37	86.63	96.10
4	117.78	86.68	93.29	91.66	106.09	86.71	92.20	81.30	86.12	82.94	93.89	103.77
5	114.81	113.54	97.99	114.08	89.10	111.31	87.54	109.89	92.32	112.56	101.19	113.42
6	116.74	113.35	104.41	123.38	102.67	118.79	102.76	108.02	106.60	102.45	107.20	111.56
7	114.96	121.78	97.52	111.44	97.84	107.63	94.14	110.64	92.89	110.70	93.27	108.84
8	115.95	121.27	121.51	118.59	117.04	112.06	118.21	108.28	113.85	108.32	119.91	108.68
9	116.55	123.93	109.28	120.85	102.71	119.11	100.02	112.92	97.59	114.71	99.30	115.48
10	117.35	122.50	122.30	120.80	122.43	121.94	122.94	117.58	123.52	117.59	122.71	113.40
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 385 MHz; 10 dBm.
LO IN: 480 MHz; +17 dBm
IF OUT: 95 MHz; 2.86 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