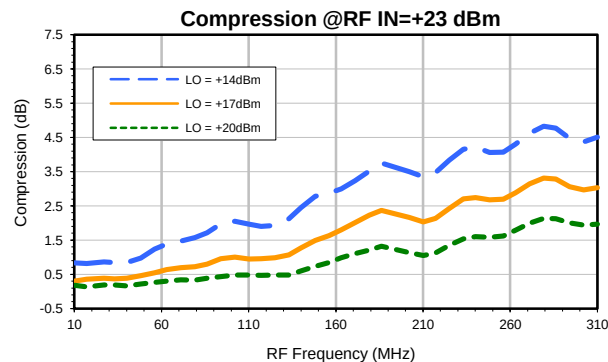
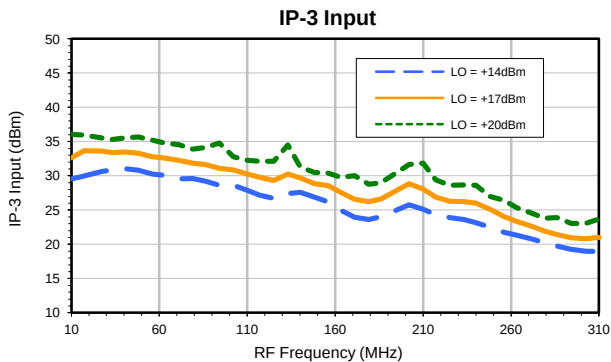
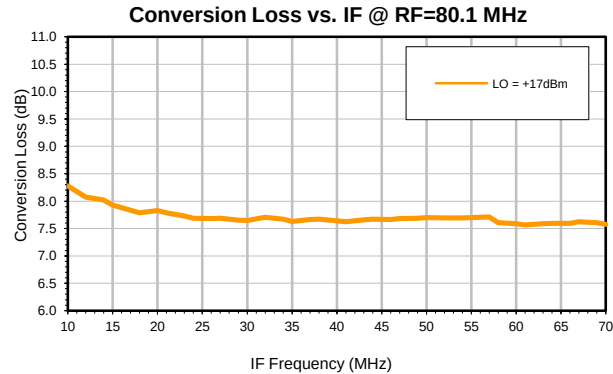
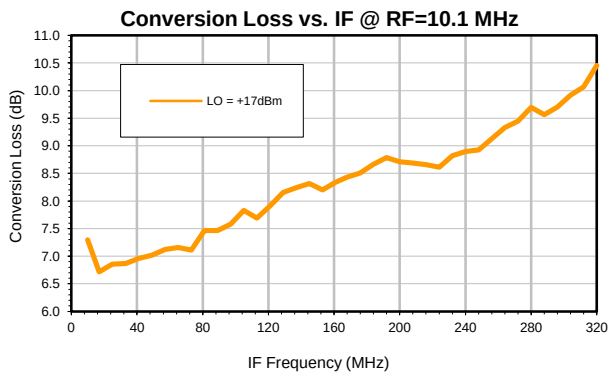
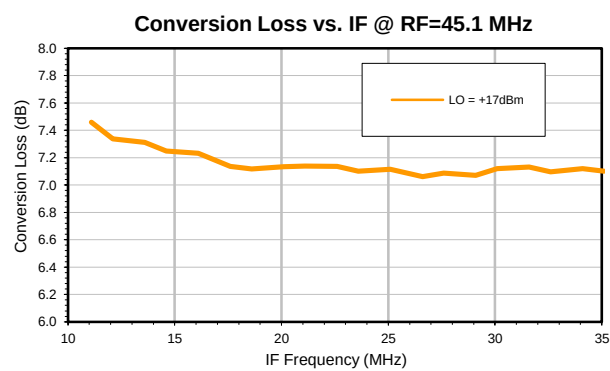
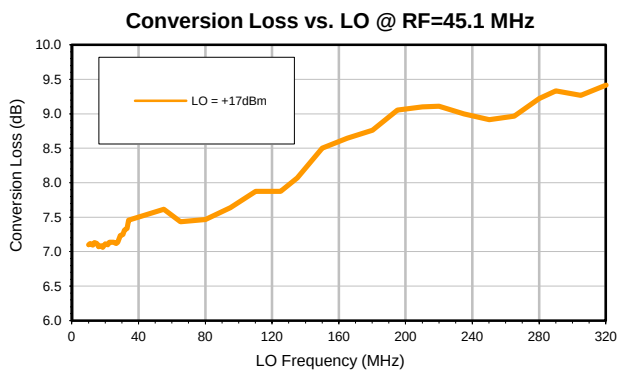
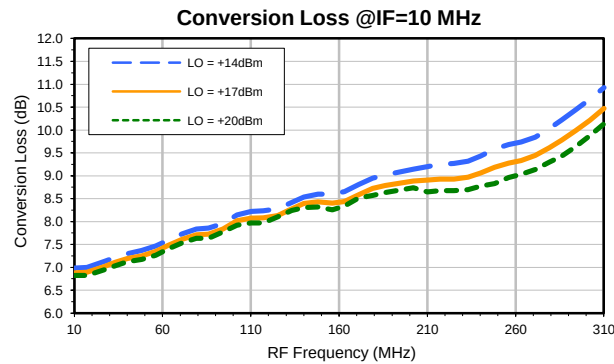


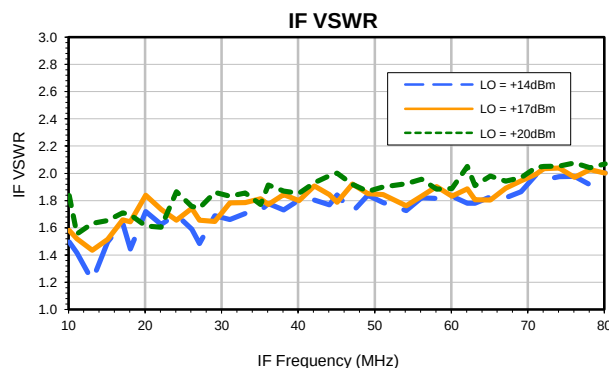
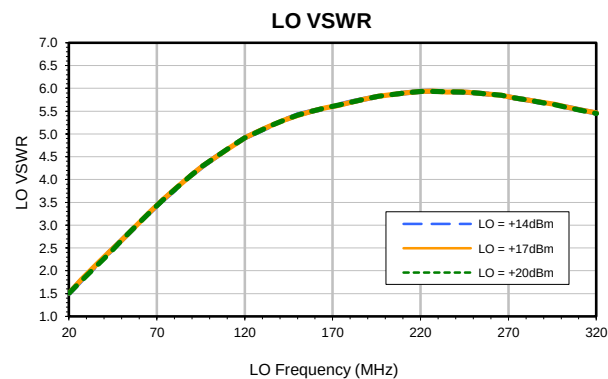
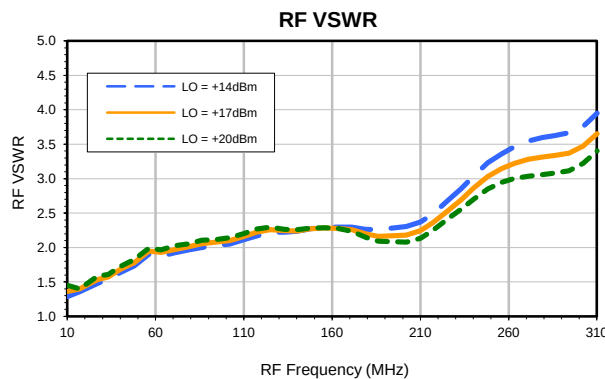
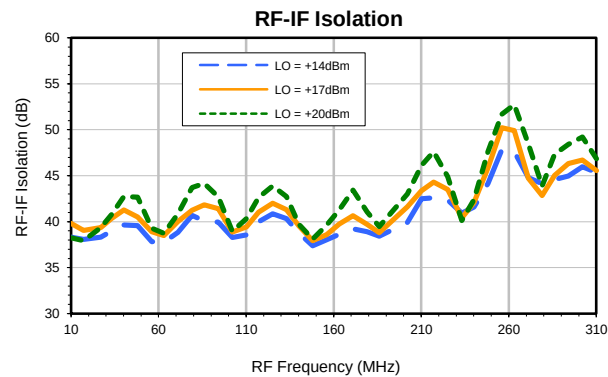
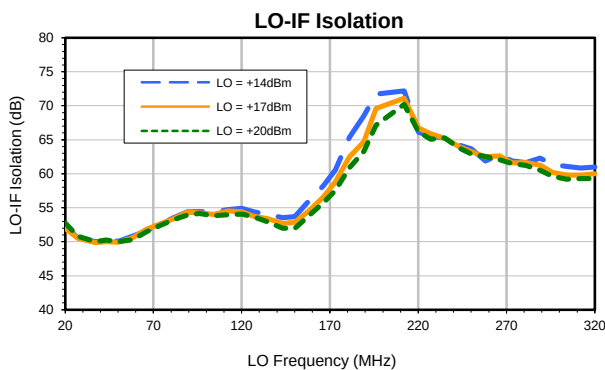
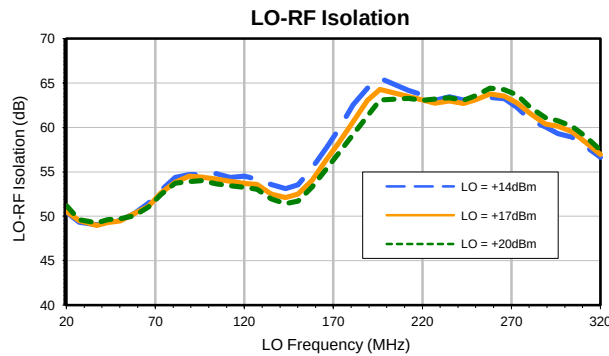
Typical Performance Curves



Frequency Mixer

MWJ-ED16098/1

Typical Performance Curves



Frequency Mixer

Harmonics Tables

MWJ-ED16098/1

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	25.75	22.24	25.45	34.04	30.82	42.17	39.56	48.66	49.94	51.18
1	---	34.12	---	49.49	12.79	47.94	17.67	47.31	20.67	55.31	27.94	53.70
2	112.98	56.75	65.18	62.97	55.17	49.88	48.00	49.03	49.35	53.86	55.28	54.83
3	117.93	95.88	76.71	83.57	70.81	77.76	67.17	74.65	64.89	71.06	65.78	74.28
4	117.88	96.90	109.86	92.16	98.79	95.96	99.10	107.87	91.22	93.60	88.55	93.89
5	117.75	110.74	102.93	109.34	103.57	110.71	104.13	111.29	99.32	114.85	101.66	113.37
6	117.17	101.07	114.71	98.95	107.72	104.95	114.09	104.31	108.22	103.92	110.76	99.73
7	115.63	88.65	93.16	91.09	107.37	99.63	95.93	101.62	91.99	109.75	96.92	106.61
8	117.41	65.79	71.09	64.90	74.62	67.17	77.83	70.80	83.60	76.70	95.63	73.95
9	116.12	55.28	53.85	49.35	49.03	48.00	49.88	55.17	62.96	65.18	56.74	48.76
10	119.43	27.94	55.30	20.67	47.30	17.67	47.94	12.79	49.52	-0.04	34.10	0.78
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 45 MHz; 0 dBm.
LO IN: 55 MHz; +17.00 dBm
IF OUT: 10 MHz; -7.06 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	31.26	34.10	33.81	35.86	32.90	38.58	42.70	42.85	41.73	45.72
1	---	34.60	---	49.42	12.94	46.36	18.37	43.40	21.94	45.42	30.17	46.44
2	100.72	45.24	52.96	52.26	46.50	39.70	38.49	39.60	40.95	46.16	48.68	47.27
3	102.13	65.87	55.59	63.65	50.73	58.39	50.63	54.97	46.79	51.01	47.32	55.21
4	114.28	68.56	68.62	74.64	76.49	73.52	75.03	72.95	68.36	65.42	64.10	65.27
5	115.04	77.89	72.76	78.26	80.77	79.24	80.11	86.55	75.59	93.41	74.80	90.52
6	115.37	74.77	93.36	75.56	86.71	80.11	79.31	80.83	78.26	72.78	77.99	71.25
7	116.80	64.11	65.41	68.35	72.96	74.95	73.51	76.50	74.66	68.61	68.58	66.38
8	115.60	47.33	51.01	46.79	54.97	50.63	58.39	50.73	63.66	55.57	65.85	65.72
9	116.46	48.66	46.14	40.95	39.60	38.49	39.70	46.50	52.25	52.95	45.23	38.19
10	116.96	30.17	45.41	21.94	43.40	18.37	46.36	12.94	49.45	-0.09	34.58	0.72
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 45 MHz; 10 dBm.
LO IN: 55 MHz; +17.00 dBm
IF OUT: 10 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



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IF/RF MICROWAVE COMPONENTS



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