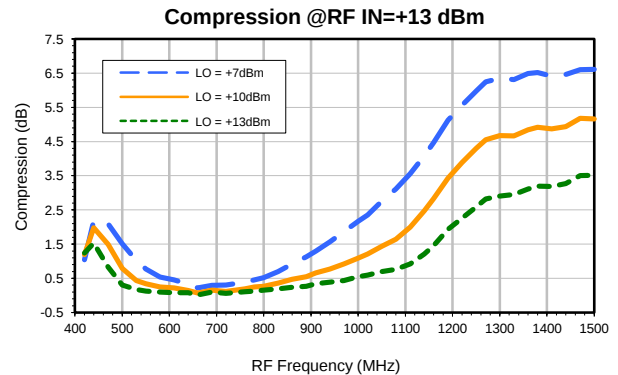
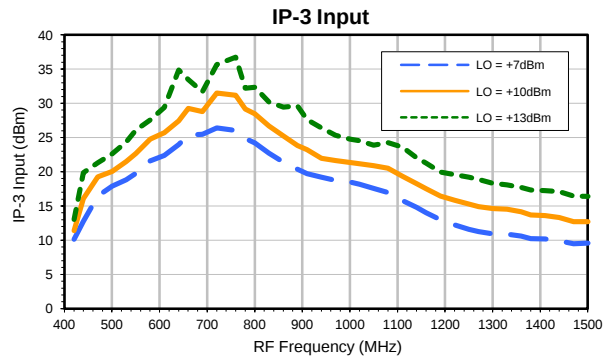
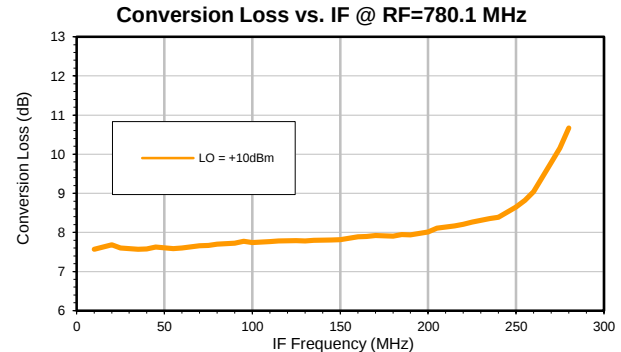
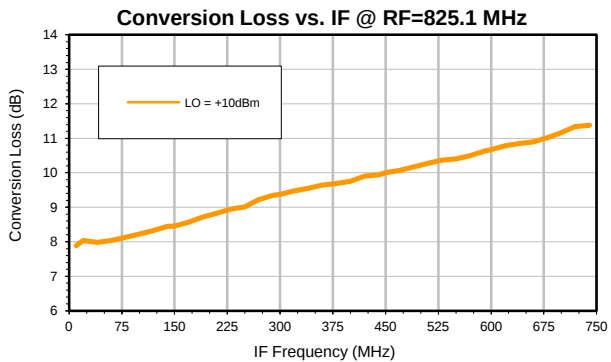
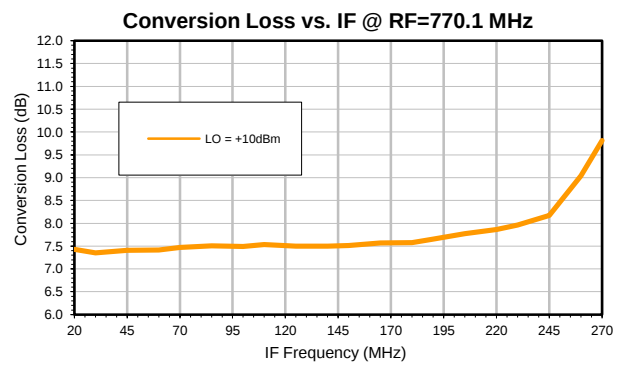
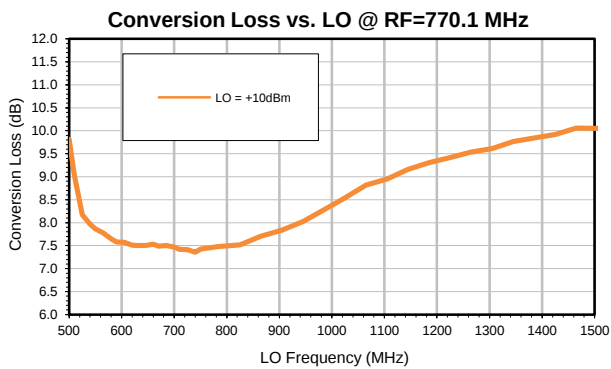
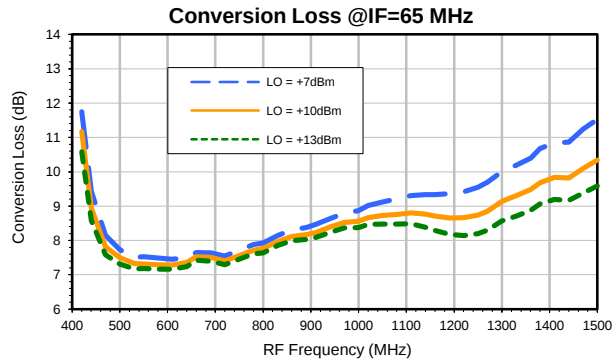


Frequency Mixer

Typical Performance Curves

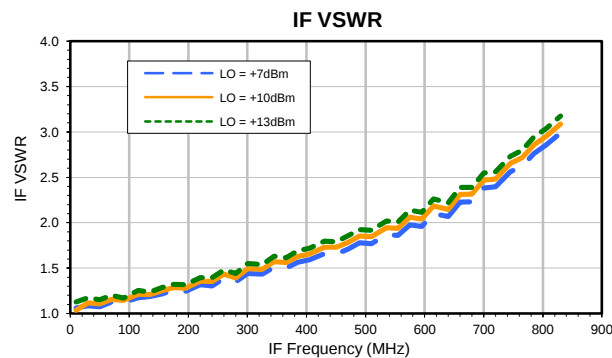
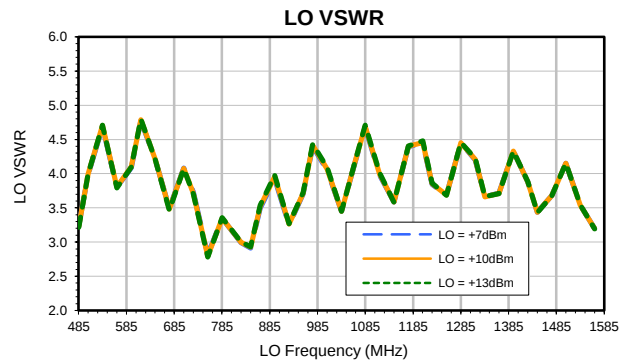
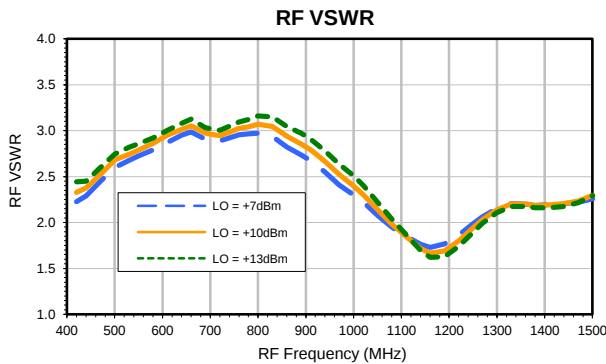
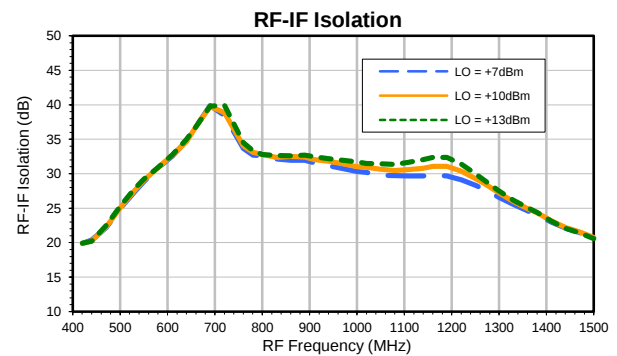
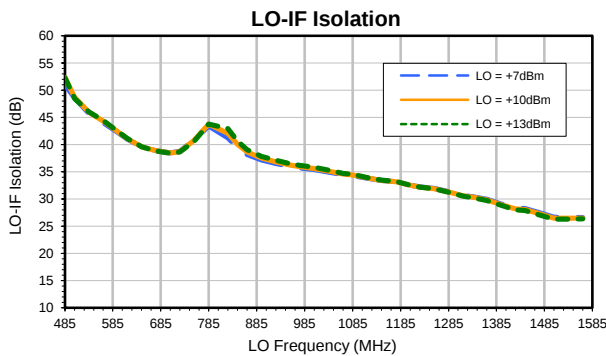
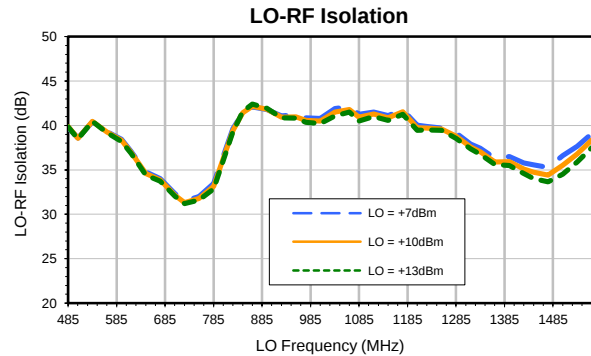
ADE-ED16275/1



Frequency Mixer

Typical Performance Curves

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IF/RF MICROWAVE COMPONENTS

REV. X1
ADE-ED16275/1
1/22/2014
Page 2 of 3

Frequency Mixer

ADE-ED16275/1

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	11.44	1.92	20.70	29.24	38.33	33.00	28.32	43.75	30.81	37.85
1	---	25.22	---	39.75	24.19	46.63	39.30	60.02	40.54	47.61	49.51	47.62
2	104.40	58.43	65.18	64.63	71.17	85.15	78.18	95.69	82.09	78.52	77.56	74.95
3	126.48	104.93	88.09	101.98	83.48	99.95	91.74	104.52	98.27	105.40	97.82	104.95
4	124.38	106.50	105.79	106.71	103.73	96.42	105.04	108.27	103.73	104.06	104.59	105.14
5	125.55	105.34	106.76	106.00	104.47	101.90	99.56	104.05	106.52	106.18	106.47	105.07
6	126.31	106.09	104.51	104.65	104.72	105.62	102.45	103.59	105.18	106.14	106.30	106.15
7	125.05	104.04	105.51	103.64	106.84	106.51	105.09	101.79	102.73	103.98	104.45	105.14
8	124.99	104.14	105.22	106.59	105.42	105.95	107.84	105.21	104.27	101.29	104.81	106.74
9	125.33	104.06	106.01	106.25	105.70	104.89	105.76	106.12	104.72	83.15	104.48	106.62
10	124.15	105.53	104.75	105.47	104.01	106.31	106.42	102.86	105.92	106.34	98.33	102.20
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 770 MHz; -10 dBm.

LO IN: 835 MHz; +10 dBm

IF OUT: 65 MHz; -17.37 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	21.39	11.78	30.82	39.14	47.44	43.65	38.52	51.32	41.42	47.83
1	---	25.01	---	39.40	24.34	47.48	39.54	58.93	40.97	47.65	50.05	48.12
2	90.80	48.42	55.22	55.85	61.16	72.91	68.33	83.60	72.77	72.08	69.51	67.61
3	114.44	84.82	65.49	77.79	60.09	77.26	68.96	84.64	75.69	92.96	74.46	88.55
4	119.63	99.44	98.51	91.10	93.60	86.19	89.93	95.17	102.97	111.39	100.71	92.45
5	117.74	112.51	98.48	105.89	86.00	103.46	85.84	103.04	97.58	109.86	100.68	110.31
6	119.35	109.58	117.03	114.54	115.88	102.82	112.08	104.10	114.25	115.87	115.45	111.72
7	119.09	112.28	108.98	116.05	106.94	112.08	96.86	107.32	98.78	107.51	107.54	115.23
8	118.95	115.76	115.50	116.83	114.87	114.16	117.14	114.51	102.19	112.96	114.61	116.48
9	120.77	117.48	116.63	114.55	115.76	117.41	113.96	115.21	115.13	93.00	102.07	114.71
10	118.45	114.95	115.32	114.58	115.97	116.25	116.63	116.16	117.33	114.00	101.10	113.76
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 770 MHz; 0 dBm.

LO IN: 835 MHz; +10 dBm

IF OUT: 65 MHz; -7.45 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