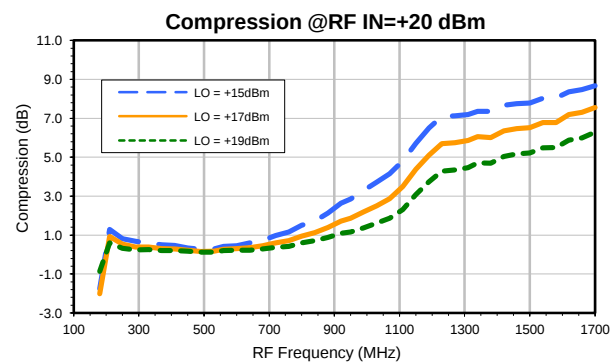
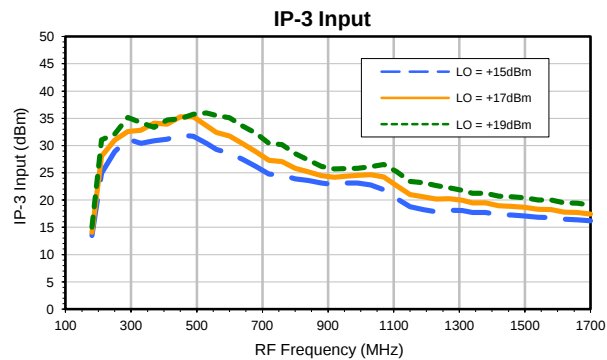
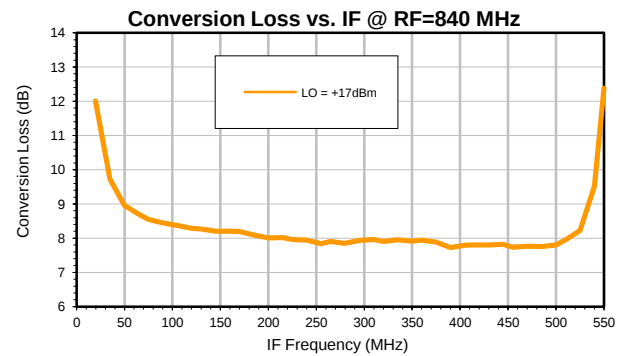
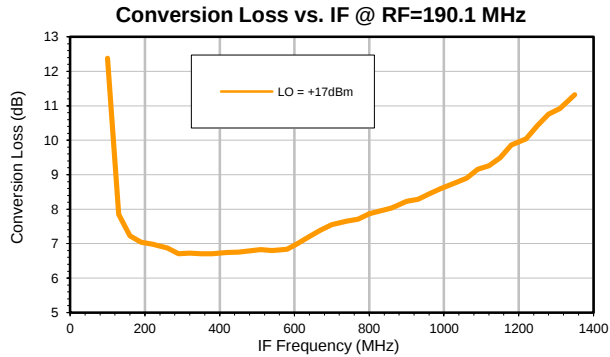
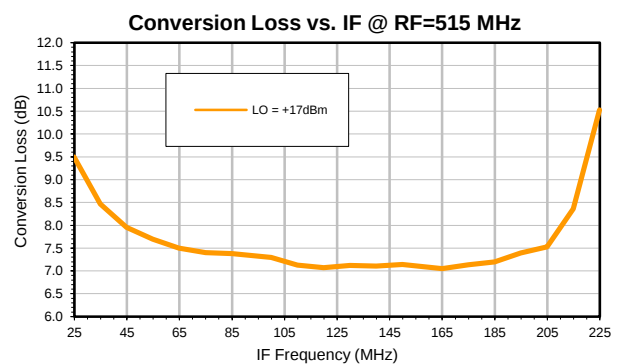
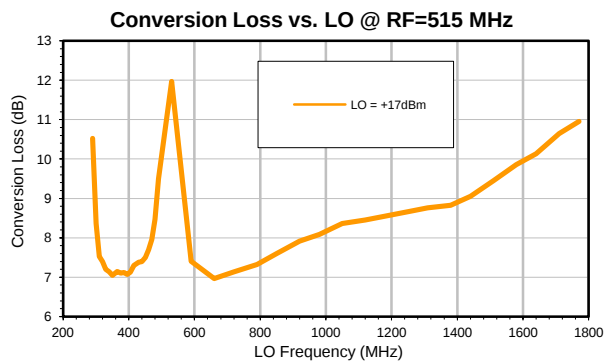
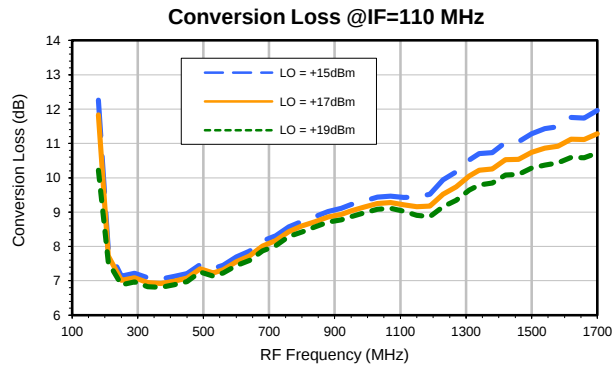


Frequency Mixer

Typical Performance Curves

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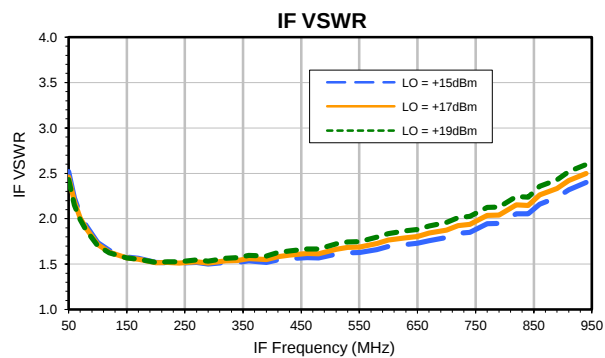
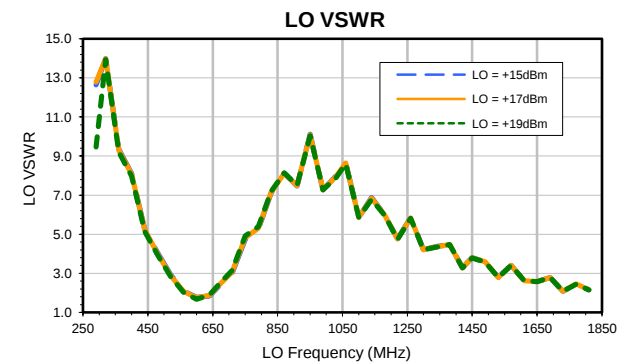
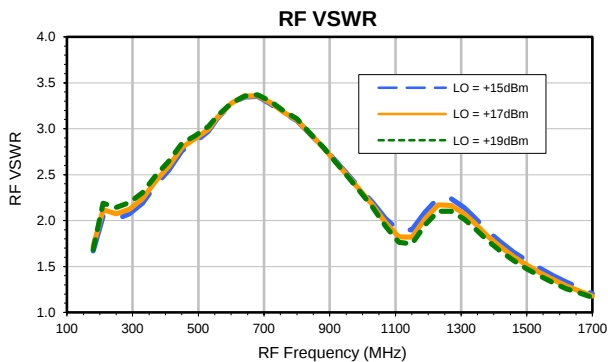
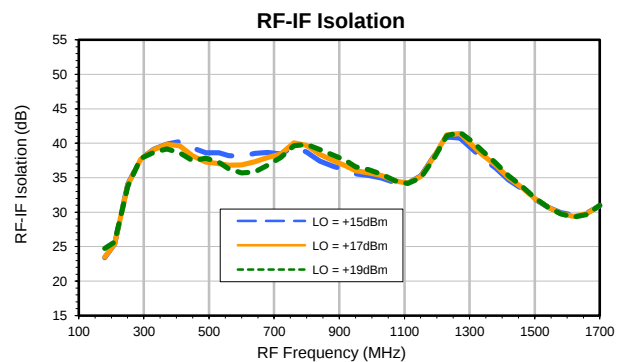
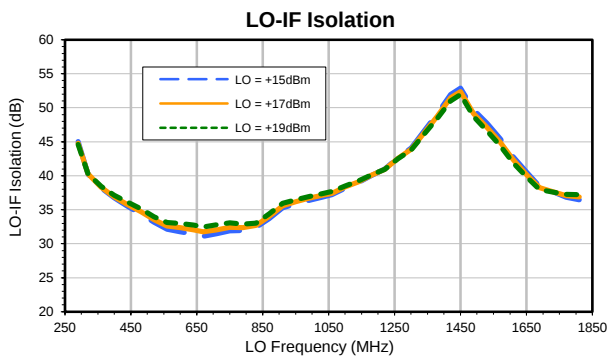
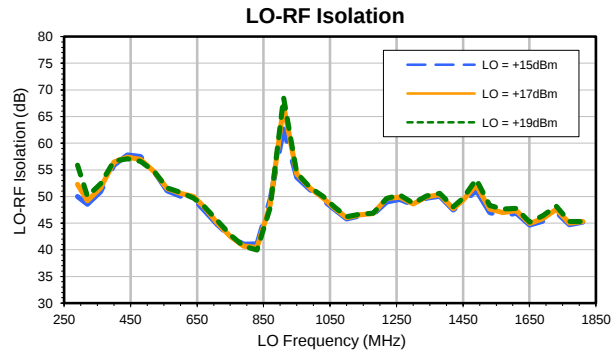
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Typical Performance Curves



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	-12.27	-2.96	6.97	5.75	18.67	21.55	27.82	32.99	14.06	22.10
1	---	29.39	---	34.15	15.17	40.86	29.05	55.83	64.27	61.11	53.93	56.52
2	119.14	89.86	81.08	83.37	84.65	86.74	91.36	88.21	94.76	95.69	96.77	94.54
3	138.61	96.62	96.68	98.08	99.03	97.73	97.37	96.15	95.60	96.68	94.21	94.80
4	135.84	97.38	98.06	97.46	96.65	97.98	96.11	96.74	96.75	95.85	95.93	94.27
5	135.97	95.61	98.23	98.19	96.47	97.68	99.41	96.28	97.79	96.75	93.70	95.13
6	136.02	95.36	95.43	96.06	98.06	98.47	96.58	97.71	97.83	98.29	95.81	95.90
7	135.88	94.90	96.54	97.63	95.72	96.92	98.71	100.34	97.26	98.52	97.10	95.79
8	136.14	96.40	97.11	94.57	95.22	96.45	96.72	97.52	97.22	96.98	96.42	95.63
9	136.14	94.64	93.93	96.30	95.76	96.18	98.14	98.73	94.86	98.22	97.60	95.59
10	136.77	92.77	95.02	95.95	96.23	94.31	98.63	96.89	97.36	87.44	97.02	99.30
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 515 MHz; -20 dBm.
LO IN: 625 MHz; +17 dBm
IF OUT: 110 MHz; -27.23 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	-2.42	6.87	16.79	15.68	28.51	31.29	38.06	42.82	24.01	32.52
1	---	29.65	---	34.43	15.17	41.27	29.04	55.98	64.52	62.02	53.98	57.71
2	108.51	81.35	71.47	75.66	75.96	78.23	88.60	79.70	98.80	98.95	101.65	100.78
3	126.62	107.44	103.52	103.77	94.76	106.33	99.41	104.46	106.80	104.64	106.73	105.69
4	125.97	106.48	104.03	105.98	103.98	107.69	105.41	107.42	106.57	104.63	104.17	105.83
5	125.23	105.42	107.11	107.96	108.25	106.83	108.15	107.44	105.77	103.22	103.59	105.82
6	126.26	106.71	106.71	108.12	107.78	107.39	106.67	108.61	105.80	105.78	104.95	102.02
7	124.49	105.72	105.50	107.16	105.11	108.14	108.64	107.76	106.68	108.10	105.11	105.86
8	127.49	104.17	105.30	103.53	106.74	107.34	106.53	108.47	108.02	106.38	107.89	104.88
9	125.02	104.68	103.86	105.01	105.59	106.61	107.44	107.87	100.45	105.71	105.50	107.95
10	125.97	107.94	106.98	104.65	106.07	105.10	106.89	108.11	106.58	103.55	105.47	107.89
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 515 MHz; -10 dBm.
LO IN: 625 MHz; +17 dBm
IF OUT: 110 MHz; -17.40 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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