

Frequency Mixer

HJK-ED16428/2

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=109MHz (dB)		
		@LO (dBm)		
		+14	+17	+20
70.1	179.1	11.97	11.69	11.44
100.1	209.1	10.09	9.80	9.53
140.1	249.1	8.52	8.16	7.86
180.1	289.1	8.03	7.74	7.49
220.1	329.1	7.64	7.35	7.11
260.1	369.1	7.44	7.17	6.95
300.1	409.1	7.38	7.13	6.92
330.1	439.1	7.34	7.07	6.85
370.1	479.1	7.23	6.98	6.78
410.1	519.1	7.26	7.03	6.88
450.1	559.1	7.27	7.05	6.89
490.1	599.1	7.38	7.15	6.95
520.1	629.1	7.39	7.16	6.96
560.1	669.1	7.52	7.30	7.12
600.1	709.1	7.56	7.35	7.18
640.1	749.1	7.47	7.22	7.02
680.1	789.1	7.64	7.35	7.13
710.1	819.1	7.77	7.47	7.24
750.1	859.1	7.97	7.68	7.45
790.1	899.1	8.11	7.80	7.56
830.1	939.1	8.22	7.86	7.59
870.1	979.1	8.30	7.89	7.56
910.1	1019.1	8.35	7.90	7.53
940.1	1049.1	8.45	7.98	7.60
980.1	1089.1	8.54	8.04	7.66
1020.1	1129.1	8.68	8.17	7.79
1060.1	1169.1	8.85	8.32	7.94
1100.1	1209.1	9.05	8.52	8.16
1130.1	1239.1	9.24	8.69	8.33
1170.1	1279.1	9.46	8.92	8.58
1210.1	1319.1	9.71	9.16	8.82
1250.1	1359.1	9.95	9.39	9.03
1290.1	1399.1	10.19	9.60	9.21
1330.1	1439.1	10.40	9.71	9.25
1360.1	1469.1	10.53	9.80	9.28
1400.1	1509.1	10.68	9.86	9.26
1440.1	1549.1	10.87	9.97	9.35
1480.1	1589.1	11.22	10.30	9.67
1520.1	1629.1	11.55	10.61	9.97
1560.1	1669.1	12.10	11.16	10.55

RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)		
		@LO (dBm)		
		+14	+17	+20
70.1	179.1	22.97	26.17	29.40
100.1	209.1	16.57	17.19	18.03
140.1	249.1	21.50	21.56	23.22
180.1	289.1	23.83	29.41	32.95
220.1	329.1	29.00	31.39	34.60
260.1	369.1	32.02	33.60	38.64
300.1	409.1	29.92	32.22	40.12
330.1	439.1	28.49	32.00	39.64
370.1	479.1	28.27	32.22	39.09
410.1	519.1	28.10	32.52	40.98
450.1	559.1	26.99	31.45	38.60
490.1	599.1	25.94	29.95	34.82
520.1	629.1	24.78	28.55	32.84
560.1	669.1	23.81	27.32	31.39
600.1	709.1	23.65	26.35	30.58
640.1	749.1	23.62	25.53	28.90
680.1	789.1	23.46	25.07	27.98
710.1	819.1	23.46	25.09	27.37
750.1	859.1	23.46	25.36	27.37
790.1	899.1	23.30	25.69	27.50
830.1	939.1	22.82	25.66	27.88
870.1	979.1	21.86	24.78	27.49
910.1	1019.1	20.79	23.64	26.26
940.1	1049.1	19.97	22.92	25.55
980.1	1089.1	19.19	22.05	24.71
1020.1	1129.1	18.74	21.48	24.12
1060.1	1169.1	18.48	21.18	23.84
1100.1	1209.1	18.25	20.92	23.76
1130.1	1239.1	17.98	20.54	23.51
1170.1	1279.1	17.60	20.04	23.05
1210.1	1319.1	17.18	19.48	22.42
1250.1	1359.1	16.78	19.04	21.79
1290.1	1399.1	16.33	18.57	21.14
1330.1	1439.1	15.64	17.91	20.43
1360.1	1469.1	15.05	17.40	20.00
1400.1	1509.1	14.23	16.70	19.36
1440.1	1549.1	13.61	16.22	18.87
1480.1	1589.1	13.21	15.92	18.52
1520.1	1629.1	13.01	15.77	18.42
1560.1	1669.1	12.94	15.70	18.45

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+20dBm (dB)		
		@LO (dBm)		
		+14	+17	+20
70.1	179.1	0.75	-0.06	-0.51
100.1	209.1	1.26	0.44	0.01
140.1	249.1	1.65	0.76	0.36
180.1	289.1	1.10	0.47	0.25
220.1	329.1	0.78	0.35	0.22
260.1	369.1	0.40	0.19	0.11
300.1	409.1	0.26	0.11	0.04
330.1	439.1	0.16	0.04	0.00
370.1	479.1	0.01	-0.07	-0.04
410.1	519.1	0.14	0.06	0.02
450.1	559.1	0.14	0.03	0.00
490.1	599.1	0.31	0.13	0.09
520.1	629.1	0.49	0.19	0.12
560.1	669.1	0.87	0.33	0.17
600.1	709.1	1.34	0.51	0.26
640.1	749.1	1.99	0.84	0.44
680.1	789.1	2.42	1.09	0.55
710.1	819.1	2.72	1.25	0.62
750.1	859.1	3.20	1.57	0.74
790.1	899.1	3.81	1.97	0.86
830.1	939.1	4.53	2.55	1.11
870.1	979.1	5.31	3.24	1.49
910.1	1019.1	5.96	3.87	1.99
940.1	1049.1	6.31	4.21	2.30
980.1	1089.1	6.64	4.58	2.66
1020.1	1129.1	6.91	4.85	2.93
1060.1	1169.1	7.13	5.10	3.15
1100.1	1209.1	7.34	5.28	3.29
1130.1	1239.1	7.55	5.48	3.45
1170.1	1279.1	7.76	5.68	3.62
1210.1	1319.1	8.05	5.96	3.85
1250.1	1359.1	8.38	6.30	4.15
1290.1	1399.1	8.76	6.70	4.54
1330.1	1439.1	9.30	7.26	5.11
1360.1	1469.1	9.60	7.63	5.50
1400.1	1509.1	10.17	8.26	6.13
1440.1	1549.1	10.57	8.67	6.59
1480.1	1589.1	10.80	8.92	6.82
1520.1	1629.1	10.91	9.08	6.99
1560.1	1669.1	10.82	8.98	6.91



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IF/RF MICROWAVE COMPONENTS

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=350.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=300.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=400.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
180.0	170.1	12.06	15.0	315.1	12.25	225.0	175.1	12.50
172.0	178.1	10.77	35.0	335.1	8.77	220.0	180.1	11.95
164.0	186.1	10.33	60.0	360.1	7.81	215.0	185.1	11.47
155.0	195.1	10.10	85.0	385.1	7.56	210.0	190.1	11.02
147.0	203.1	9.73	110.0	410.1	7.38	205.0	195.1	10.62
138.0	212.1	9.28	135.0	435.1	7.42	200.0	200.1	10.12
130.0	220.1	8.83	160.0	460.1	7.44	195.0	205.1	9.85
121.0	229.1	8.43	185.0	485.1	7.45	190.0	210.1	9.74
113.0	237.1	8.03	210.0	510.1	7.43	185.0	215.1	9.60
104.0	246.1	7.80	235.0	535.1	7.41	180.0	220.1	9.45
96.0	254.1	7.71	255.0	555.1	7.46	175.0	225.1	9.24
87.0	263.1	7.64	280.0	580.1	7.64	170.0	230.1	9.00
79.0	271.1	7.49	305.0	605.1	7.85	165.0	235.1	8.86
70.0	280.1	7.49	330.0	630.1	7.96	155.0	245.1	8.55
62.0	288.1	7.54	355.0	655.1	8.10	150.0	250.1	8.39
54.0	296.1	7.57	380.0	680.1	8.14	145.0	255.1	8.32
45.0	305.1	7.71	405.0	705.1	8.19	140.0	260.1	8.27
37.0	313.1	7.98	430.0	730.1	8.21	135.0	265.1	8.18
28.0	322.1	8.63	455.0	755.1	8.19	130.0	270.1	7.99
20.0	330.1	9.72	480.0	780.1	8.16	125.0	275.1	7.90
60.0	410.1	7.11	525.0	825.1	8.00	115.0	285.1	7.94
110.0	460.1	6.78	550.0	850.1	7.90	110.0	290.1	7.87
160.0	510.1	6.87	575.0	875.1	7.97	105.0	295.1	7.82
205.0	555.1	7.02	600.0	900.1	8.08	100.0	300.1	7.80
255.0	605.1	7.10	625.0	925.1	8.21	95.0	305.1	7.79
305.0	655.1	7.41	650.0	950.1	8.34	85.0	315.1	7.77
350.0	700.1	7.48	675.0	975.1	8.53	80.0	320.1	7.73
400.0	750.1	7.86	700.0	1000.1	8.73	75.0	325.1	7.87
450.0	800.1	7.61	725.0	1025.1	9.04	70.0	330.1	7.90
495.0	845.1	7.49	745.0	1045.1	9.31	65.0	335.1	7.90
545.0	895.1	7.37	770.0	1070.1	9.67	60.0	340.1	7.89
595.0	945.1	7.65	795.0	1095.1	10.15	55.0	345.1	7.97
640.0	990.1	7.81	820.0	1120.1	10.47	50.0	350.1	8.10
690.0	1040.1	8.30	845.0	1145.1	10.68	45.0	355.1	8.19
740.0	1090.1	9.11	870.0	1170.1	11.00	40.0	360.1	8.31
790.0	1140.1	9.86	895.0	1195.1	11.30	35.0	365.1	8.57
835.0	1185.1	10.39	920.0	1220.1	11.50	30.0	370.1	8.91
885.0	1235.1	11.01	945.0	1245.1	11.75	25.0	375.1	9.58
935.0	1285.1	11.37	970.0	1270.1	12.04	15.0	385.1	11.69

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
179.1	58.83	58.58	58.35	53.52	53.62	53.63
209.1	59.57	59.51	59.45	47.16	47.08	47.06
249.1	62.93	62.36	61.82	43.81	43.93	44.12
289.1	62.32	61.64	60.98	41.68	41.92	42.23
329.1	61.45	60.87	60.68	40.61	40.88	41.16
369.1	62.05	61.21	60.98	39.19	39.55	39.99
409.1	61.17	60.40	59.67	37.42	37.80	38.28
439.1	60.60	60.16	59.38	36.28	36.66	37.09
479.1	55.71	55.49	56.09	35.45	35.86	36.55
519.1	52.42	52.36	52.99	35.02	35.50	36.20
559.1	51.74	51.97	52.49	34.73	35.18	35.78
599.1	50.98	51.51	52.13	35.31	35.78	36.36
629.1	50.69	51.33	52.11	35.35	35.84	36.45
669.1	51.03	51.58	52.06	35.66	36.19	36.82
709.1	56.41	57.50	58.06	36.35	36.94	37.66
749.1	67.76	72.51	77.10	36.59	37.24	38.09
789.1	65.50	63.78	62.46	36.72	37.38	38.27
819.1	58.01	57.06	56.53	36.90	37.53	38.36
859.1	51.71	51.08	50.82	36.72	37.26	37.98
899.1	48.17	47.69	47.46	36.76	37.06	37.53
939.1	46.09	45.72	45.56	37.03	37.10	37.34
979.1	45.57	45.31	45.17	38.13	38.16	38.33
1019.1	45.34	45.12	44.98	38.97	39.04	39.17
1049.1	45.46	45.35	45.27	39.33	39.48	39.64
1089.1	46.23	46.19	46.15	39.69	39.95	40.15
1129.1	46.69	46.72	46.71	39.68	39.98	40.23
1169.1	48.07	48.23	48.26	39.81	40.10	40.36
1209.1	49.50	49.94	50.09	39.32	39.56	39.77
1239.1	51.27	52.26	52.73	39.18	39.35	39.48
1279.1	52.21	54.63	57.65	38.87	38.91	38.95
1319.1	49.77	51.32	53.24	38.24	38.17	38.09
1359.1	46.66	47.19	47.80	37.68	37.54	37.38
1399.1	44.16	44.22	44.30	36.82	36.57	36.36
1439.1	42.71	42.59	42.53	35.94	35.65	35.38
1469.1	41.61	41.41	41.26	35.46	35.12	34.83
1509.1	41.66	41.43	41.23	34.32	33.92	33.58
1549.1	41.74	41.47	41.21	33.75	33.29	32.92
1589.1	42.21	41.93	41.67	33.25	32.75	32.33
1629.1	42.16	41.88	41.63	32.76	32.27	31.83
1669.1	42.41	42.15	41.95	32.68	32.22	31.81

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
70.1	179.1	30.47	30.12	29.98
100.1	209.1	25.31	24.86	23.95
140.1	249.1	23.09	22.71	22.24
180.1	289.1	28.89	28.29	26.99
220.1	329.1	36.03	34.36	32.38
260.1	369.1	45.02	43.27	39.26
300.1	409.1	66.55	55.28	49.62
330.1	439.1	50.76	47.50	45.11
370.1	479.1	46.01	45.51	41.32
410.1	519.1	43.09	42.59	38.15
450.1	559.1	41.26	40.77	38.62
490.1	599.1	40.05	39.70	38.83
520.1	629.1	39.17	39.03	38.58
560.1	669.1	38.96	38.95	38.75
600.1	709.1	39.59	39.53	39.41
640.1	749.1	39.95	40.05	39.92
680.1	789.1	40.09	40.32	40.24
710.1	819.1	40.56	40.89	41.13
750.1	859.1	41.61	41.74	41.97
790.1	899.1	43.66	43.49	43.39
830.1	939.1	48.14	47.66	46.20
870.1	979.1	59.44	55.24	49.11
910.1	1019.1	50.53	47.83	44.78
940.1	1049.1	47.76	46.26	44.25
980.1	1089.1	46.13	44.74	43.25
1020.1	1129.1	44.71	43.52	42.21
1060.1	1169.1	43.65	42.68	41.40
1100.1	1209.1	42.99	42.17	40.97
1130.1	1239.1	42.37	41.73	40.56
1170.1	1279.1	41.83	41.70	40.71
1210.1	1319.1	40.35	40.70	40.28
1250.1	1359.1	38.83	39.20	39.10
1290.1	1399.1	36.91	37.01	36.89
1330.1	1439.1	34.95	34.80	34.51
1360.1	1469.1	33.94	33.69	33.21
1400.1	1509.1	32.45	31.97	31.43
1440.1	1549.1	31.53	30.80	30.08
1480.1	1589.1	31.54	30.46	29.58
1520.1	1629.1	31.06	29.72	28.62
1560.1	1669.1	31.40	29.91	28.67

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=509MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
70.1	179.1	1.16	1.19	1.23	179.1	15.15	15.15	15.22	50.1	2.57	2.49	2.45
100.1	209.1	1.13	1.16	1.22	209.1	15.69	15.68	15.64	52.1	2.50	2.44	2.38
140.1	249.1	1.19	1.24	1.30	249.1	14.41	14.41	14.29	54.1	2.49	2.42	2.36
180.1	289.1	1.19	1.24	1.31	289.1	11.56	11.47	11.35	56.1	2.43	2.37	2.32
220.1	329.1	1.21	1.25	1.31	329.1	8.59	8.54	8.40	58.1	2.38	2.33	2.26
260.1	369.1	1.31	1.34	1.39	369.1	5.80	5.73	5.59	60.1	2.33	2.27	2.22
300.1	409.1	1.37	1.39	1.42	409.1	3.82	3.75	3.63	62.1	2.28	2.23	2.18
330.1	439.1	1.45	1.48	1.51	439.1	2.63	2.57	2.46	64.1	2.24	2.20	2.14
370.1	479.1	1.62	1.64	1.67	479.1	1.62	1.57	1.41	66.1	2.21	2.14	2.11
410.1	519.1	1.72	1.76	1.80	519.1	1.13	1.14	1.16	67.1	2.20	2.15	2.09
450.1	559.1	1.91	1.96	2.01	559.1	1.67	1.73	1.79	68.1	2.17	2.10	2.07
490.1	599.1	1.95	2.00	2.06	599.1	2.50	2.57	2.67	69.1	2.13	2.08	2.03
520.1	629.1	2.04	2.10	2.17	629.1	3.20	3.28	3.37	70.1	2.12	2.07	2.02
560.1	669.1	2.07	2.16	2.25	669.1	4.05	4.13	4.20	73.1	2.07	2.01	1.97
600.1	709.1	1.92	2.01	2.11	709.1	4.93	4.98	5.07	78.1	2.00	1.96	1.92
640.1	749.1	1.91	2.00	2.10	749.1	5.24	5.30	5.32	83.1	1.96	1.92	1.88
680.1	789.1	1.83	1.90	1.98	789.1	5.61	5.65	5.70	87.1	1.94	1.91	1.88
710.1	819.1	1.77	1.84	1.92	819.1	5.50	5.53	5.57	92.1	1.95	1.91	1.88
750.1	859.1	1.74	1.81	1.88	859.1	5.24	5.23	5.28	97.1	1.96	1.93	1.90
790.1	899.1	1.57	1.61	1.67	899.1	5.08	5.09	5.10	102.1	1.98	1.94	1.91
830.1	939.1	1.52	1.56	1.61	939.1	4.53	4.54	4.53	109.1	1.96	1.92	1.89
870.1	979.1	1.52	1.54	1.58	979.1	4.33	4.34	4.34	112.1	1.94	1.90	1.88
910.1	1019.1	1.48	1.51	1.55	1019.1	3.89	3.89	3.89	117.1	1.90	1.86	1.84
940.1	1049.1	1.54	1.58	1.63	1049.1	3.63	3.63	3.64	122.1	1.86	1.83	1.81
980.1	1089.1	1.47	1.52	1.57	1089.1	3.41	3.41	3.42	126.1	1.84	1.82	1.80
1020.1	1129.1	1.39	1.47	1.56	1129.1	3.06	3.06	3.04	131.1	1.84	1.82	1.81
1060.1	1169.1	1.34	1.43	1.53	1169.1	2.87	2.87	2.87	136.1	1.86	1.84	1.83
1100.1	1209.1	1.22	1.34	1.46	1209.1	2.62	2.62	2.61	141.1	1.88	1.87	1.86
1130.1	1239.1	1.21	1.35	1.48	1239.1	2.48	2.48	2.47	146.1	1.91	1.90	1.89
1170.1	1279.1	1.16	1.31	1.44	1279.1	2.33	2.33	2.33	151.1	1.92	1.91	1.90
1210.1	1319.1	1.19	1.34	1.48	1319.1	2.15	2.15	2.15	156.1	1.92	1.90	1.90
1250.1	1359.1	1.20	1.34	1.47	1359.1	2.05	2.05	2.05	161.1	1.91	1.89	1.88
1290.1	1399.1	1.24	1.36	1.48	1399.1	1.92	1.92	1.92	165.1	1.88	1.86	1.86
1330.1	1439.1	1.27	1.38	1.49	1439.1	1.86	1.86	1.86	170.1	1.87	1.85	1.85
1360.1	1469.1	1.27	1.37	1.48	1469.1	1.79	1.79	1.79	175.1	1.87	1.86	1.86
1400.1	1509.1	1.30	1.40	1.52	1509.1	1.75	1.75	1.75	180.1	1.89	1.89	1.90
1440.1	1549.1	1.38	1.49	1.62	1549.1	1.74	1.74	1.74	185.1	1.93	1.93	1.94
1480.1	1589.1	1.54	1.67	1.82	1589.1	1.72	1.71	1.72	190.1	1.96	1.96	1.97
1520.1	1629.1	1.77	1.91	2.07	1629.1	1.78	1.78	1.78	195.1	1.98	1.98	1.99
1560.1	1669.1	2.03	2.21	2.39	1669.1	1.78	1.78	1.78	199.1	1.98	1.98	1.98

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	12.7	37.3	27.9	20.7	34.5	44.3	43.3	61.3	53.8	49.1
1	---	38.2	---	43.6	12.9	36.4	27.3	43.8	41.0	52.3	56.8	64.8
2	105.0	69.7	61.2	66.3	64.6	64.4	72.5	67.7	76.8	77.9	84.3	92.2
3	114.5	89.7	85.6	84.2	87.4	85.9	105.0	93.9	92.1	92.0	93.7	102.8
4	113.6	103.7	82.2	96.6	81.1	98.9	81.5	104.0	88.8	98.9	90.7	101.3
5	113.6	104.8	93.5	99.6	87.9	101.6	89.2	105.5	93.9	104.6	101.4	103.0
6	114.9	104.9	101.9	104.5	92.9	103.5	90.9	105.7	97.9	104.0	104.9	102.1
7	113.4	102.6	104.9	104.9	103.9	105.5	100.9	105.9	105.9	106.4	105.7	102.8
8	112.9	103.2	104.5	103.6	105.0	103.4	102.6	104.5	105.7	105.5	104.3	104.8
9	112.4	102.8	100.2	103.9	104.5	105.6	103.7	105.2	103.8	104.8	105.3	105.7
10	114.8	103.2	101.6	102.7	104.2	105.1	106.2	105.3	104.6	106.5	105.2	105.2
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 350 MHz; 0 dBm.
LO IN: 459 MHz; +17.00 dBm
IF OUT: 109 MHz; -7.34 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	22.8	43.1	37.4	31.5	45.7	55.7	54.0	69.0	64.0	61.0
1	---	38.4	---	43.1	13.0	36.5	27.7	44.0	42.5	52.9	57.4	65.8
2	95.2	59.2	50.1	55.9	53.1	54.4	63.4	60.1	66.0	70.2	74.5	90.5
3	107.1	73.6	53.7	70.4	53.4	71.6	61.5	72.7	66.9	79.3	68.2	87.0
4	108.8	110.3	94.4	91.6	97.9	88.7	97.9	91.8	88.5	86.6	88.5	95.6
5	109.3	95.9	89.8	107.1	85.0	101.0	85.9	104.4	99.9	98.3	93.2	103.4
6	107.3	98.5	102.5	113.3	100.1	112.9	99.6	112.7	100.6	105.8	113.5	99.8
7	107.8	111.0	105.4	117.0	94.9	113.4	89.0	114.7	90.7	114.9	100.4	113.8
8	106.5	111.4	111.5	109.4	105.0	113.8	97.4	112.6	96.4	114.7	101.5	107.6
9	105.6	111.6	100.8	111.9	100.8	112.6	92.8	111.9	91.2	115.1	94.6	114.6
10	109.7	111.1	111.9	109.7	111.6	112.2	100.7	108.4	95.0	106.6	96.0	113.8
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 350 MHz; 10 dBm.
LO IN: 459 MHz; +17.00 dBm
IF OUT: 109 MHz; 2.64 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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