

# Frequency Mixer

# ADE-851FLH+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=65MHz (dB)		
		@LO (dBm)		
		+7	+10	+13
420.1	485.1	11.75	11.17	10.59
440.1	505.1	9.43	8.95	8.58
470.1	535.1	8.15	7.81	7.58
500.1	565.1	7.73	7.50	7.31
530.1	595.1	7.51	7.33	7.18
550.1	615.1	7.52	7.32	7.18
580.1	645.1	7.49	7.30	7.16
610.1	675.1	7.45	7.29	7.16
640.1	705.1	7.51	7.36	7.24
660.1	725.1	7.65	7.52	7.43
690.1	755.1	7.64	7.50	7.40
720.1	785.1	7.54	7.41	7.30
760.1	825.1	7.77	7.61	7.51
780.1	845.1	7.88	7.72	7.61
800.1	865.1	7.93	7.77	7.64
830.1	895.1	8.14	7.97	7.85
860.1	925.1	8.31	8.12	7.99
890.1	955.1	8.37	8.17	8.03
910.1	975.1	8.46	8.23	8.08
940.1	1005.1	8.64	8.39	8.23
970.1	1035.1	8.79	8.53	8.37
1000.1	1065.1	8.87	8.56	8.37
1020.1	1085.1	9.02	8.66	8.47
1050.1	1115.1	9.12	8.73	8.48
1080.1	1145.1	9.21	8.76	8.48
1110.1	1175.1	9.31	8.80	8.49
1140.1	1205.1	9.33	8.77	8.38
1160.1	1225.1	9.33	8.71	8.29
1190.1	1255.1	9.36	8.65	8.18
1220.1	1285.1	9.42	8.66	8.14
1250.1	1315.1	9.55	8.74	8.20
1270.1	1335.1	9.70	8.85	8.30
1300.1	1365.1	10.00	9.14	8.57
1330.1	1395.1	10.19	9.30	8.71
1360.1	1425.1	10.40	9.48	8.88
1380.1	1445.1	10.67	9.68	9.06
1410.1	1475.1	10.85	9.83	9.20
1440.1	1505.1	10.86	9.82	9.17
1470.1	1535.1	11.25	10.09	9.38
1500.1	1565.1	11.52	10.34	9.58

RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)		
		@LO (dBm)		
		+7	+10	+13
420.1	485.1	10.13	11.41	13.03
440.1	505.1	12.76	16.09	19.84
470.1	535.1	16.43	19.27	21.29
500.1	565.1	17.90	20.03	22.59
530.1	595.1	18.83	21.48	24.36
550.1	615.1	19.78	22.67	26.08
580.1	645.1	21.61	24.75	27.56
610.1	675.1	22.38	25.70	29.40
640.1	705.1	23.98	27.42	34.89
660.1	725.1	25.36	29.26	33.45
690.1	755.1	25.47	28.77	31.71
720.1	785.1	26.41	31.51	35.67
760.1	825.1	26.05	31.17	36.73
780.1	845.1	24.87	29.14	32.19
800.1	865.1	24.20	28.44	32.33
830.1	895.1	22.72	26.70	30.21
860.1	925.1	21.40	25.21	29.45
890.1	955.1	20.37	23.84	29.62
910.1	975.1	19.73	23.23	27.62
940.1	1005.1	19.22	21.96	26.41
970.1	1035.1	18.72	21.65	25.32
1000.1	1065.1	18.51	21.37	24.74
1020.1	1085.1	18.18	21.17	24.51
1050.1	1115.1	17.57	20.89	23.89
1080.1	1145.1	16.94	20.50	24.25
1110.1	1175.1	15.81	19.36	23.58
1140.1	1205.1	14.82	18.28	22.06
1160.1	1225.1	14.01	17.53	21.27
1190.1	1255.1	12.97	16.44	19.97
1220.1	1285.1	12.26	15.83	19.60
1250.1	1315.1	11.57	15.29	19.19
1270.1	1335.1	11.23	14.92	18.88
1300.1	1365.1	10.93	14.63	18.30
1330.1	1395.1	10.87	14.53	18.06
1360.1	1425.1	10.59	14.16	17.71
1380.1	1445.1	10.24	13.70	17.33
1410.1	1475.1	10.19	13.61	17.24
1440.1	1505.1	9.92	13.30	17.10
1470.1	1535.1	9.50	12.70	16.42
1500.1	1565.1	9.56	12.69	16.41

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+13dBm (dB)		
		@LO (dBm)		
		+7	+10	+13
420.1	485.1	1.04	1.19	1.24
440.1	505.1	2.19	1.98	1.53
470.1	535.1	2.09	1.50	0.83
500.1	565.1	1.51	0.79	0.30
530.1	595.1	1.03	0.43	0.17
550.1	615.1	0.77	0.34	0.12
580.1	645.1	0.53	0.25	0.10
610.1	675.1	0.45	0.22	0.08
640.1	705.1	0.34	0.14	0.08
660.1	725.1	0.22	0.07	0.02
690.1	755.1	0.30	0.16	0.09
720.1	785.1	0.31	0.12	0.06
760.1	825.1	0.39	0.19	0.10
780.1	845.1	0.46	0.25	0.13
800.1	865.1	0.52	0.27	0.15
830.1	895.1	0.70	0.36	0.19
860.1	925.1	0.92	0.48	0.24
890.1	955.1	1.13	0.55	0.27
910.1	975.1	1.29	0.66	0.35
940.1	1005.1	1.56	0.78	0.38
970.1	1035.1	1.87	0.93	0.44
1000.1	1065.1	2.16	1.09	0.55
1020.1	1085.1	2.36	1.21	0.60
1050.1	1115.1	2.76	1.43	0.70
1080.1	1145.1	3.11	1.64	0.77
1110.1	1175.1	3.56	2.00	0.92
1140.1	1205.1	4.08	2.48	1.21
1160.1	1225.1	4.47	2.83	1.46
1190.1	1255.1	5.13	3.43	1.93
1220.1	1285.1	5.56	3.88	2.26
1250.1	1315.1	5.98	4.30	2.59
1270.1	1335.1	6.24	4.55	2.83
1300.1	1365.1	6.35	4.67	2.91
1330.1	1395.1	6.32	4.67	2.95
1360.1	1425.1	6.48	4.84	3.11
1380.1	1445.1	6.51	4.92	3.20
1410.1	1475.1	6.42	4.87	3.19
1440.1	1505.1	6.46	4.94	3.27
1470.1	1535.1	6.60	5.18	3.51
1500.1	1565.1	6.61	5.16	3.51

# Frequency Mixer

# ADE-851FLH+

## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=770.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=825.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=780.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+10			+10			+10
270.0	500.1	9.81	10.0	835.1	7.89	280.0	500.1	10.67
260.0	510.1	9.04	20.0	845.1	8.04	275.0	505.1	10.16
245.0	525.1	8.17	40.0	865.1	7.98	270.0	510.1	9.79
230.0	540.1	7.96	60.0	885.1	8.04	260.0	520.1	9.04
220.0	550.1	7.87	80.0	905.1	8.13	255.0	525.1	8.82
205.0	565.1	7.78	100.0	925.1	8.23	250.0	530.1	8.65
190.0	580.1	7.65	120.0	945.1	8.32	240.0	540.1	8.39
180.0	590.1	7.58	140.0	965.1	8.45	235.0	545.1	8.35
165.0	605.1	7.57	150.0	975.1	8.46	225.0	555.1	8.26
150.0	620.1	7.51	170.0	995.1	8.57	220.0	560.1	8.20
140.0	630.1	7.50	190.0	1015.1	8.72	215.0	565.1	8.17
125.0	645.1	7.50	210.0	1035.1	8.83	205.0	575.1	8.11
110.0	660.1	7.53	230.0	1055.1	8.95	200.0	580.1	8.01
100.0	670.1	7.49	250.0	1075.1	9.01	190.0	590.1	7.94
85.0	685.1	7.50	270.0	1095.1	9.22	185.0	595.1	7.94
70.0	700.1	7.47	290.0	1115.1	9.34	180.0	600.1	7.91
60.0	710.1	7.42	300.0	1125.1	9.37	170.0	610.1	7.92
45.0	725.1	7.41	320.0	1145.1	9.48	165.0	615.1	7.89
30.0	740.1	7.35	340.0	1165.1	9.55	160.0	620.1	7.89
20.0	750.1	7.43	360.0	1185.1	9.64	150.0	630.1	7.81
15.0	785.1	7.48	380.0	1205.1	9.69	145.0	635.1	7.81
55.0	825.1	7.52	400.0	1225.1	9.76	135.0	645.1	7.80
95.0	865.1	7.70	420.0	1245.1	9.91	130.0	650.1	7.78
135.0	905.1	7.84	440.0	1265.1	9.94	125.0	655.1	7.79
175.0	945.1	8.03	450.0	1275.1	10.00	115.0	665.1	7.79
215.0	985.1	8.28	470.0	1295.1	10.07	110.0	670.1	7.76
255.0	1025.1	8.54	490.0	1315.1	10.17	100.0	680.1	7.74
295.0	1065.1	8.82	510.0	1335.1	10.28	95.0	685.1	7.78
335.0	1105.1	8.95	530.0	1355.1	10.37	90.0	690.1	7.72
375.0	1145.1	9.16	550.0	1375.1	10.40	80.0	700.1	7.70
415.0	1185.1	9.31	570.0	1395.1	10.49	75.0	705.1	7.66
455.0	1225.1	9.42	590.0	1415.1	10.63	70.0	710.1	7.66
495.0	1265.1	9.54	600.0	1425.1	10.67	60.0	720.1	7.60
535.0	1305.1	9.62	620.0	1445.1	10.78	55.0	725.1	7.59
575.0	1345.1	9.77	640.0	1465.1	10.85	45.0	735.1	7.62
615.0	1385.1	9.84	660.0	1485.1	10.90	40.0	740.1	7.57
655.0	1425.1	9.92	680.0	1505.1	11.02	35.0	745.1	7.57
695.0	1465.1	10.06	700.0	1525.1	11.16	25.0	755.1	7.60
735.0	1505.1	10.05	720.0	1545.1	11.34	20.0	760.1	7.69
775.0	1545.1	10.24	740.0	1565.1	11.38	10.0	770.1	7.57

# Frequency Mixer

# ADE-851FLH+

## Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)					@LO (dBm)		
	+7	+10	+13	+7	+10	+13			+7	+10	+13
485.1	39.74	39.88	39.86	51.03	52.34	52.28	420.1	485.1	19.90	19.90	19.93
505.1	38.58	38.57	38.48	48.59	48.70	48.46	440.1	505.1	20.41	20.25	20.20
535.1	40.38	40.47	40.47	45.69	45.91	46.02	470.1	535.1	22.15	22.24	22.48
565.1	39.30	39.28	39.20	44.02	44.28	44.39	500.1	565.1	24.95	25.05	25.26
595.1	38.46	38.33	38.20	42.21	42.34	42.43	530.1	595.1	27.33	27.52	27.76
615.1	37.09	36.98	36.87	40.99	41.08	41.11	550.1	615.1	28.83	29.02	29.23
645.1	34.75	34.58	34.43	39.61	39.60	39.57	580.1	645.1	30.82	30.88	30.89
675.1	34.01	33.86	33.73	38.88	38.86	38.82	610.1	675.1	32.55	32.71	32.75
705.1	32.31	32.15	32.03	38.49	38.45	38.39	640.1	705.1	34.73	34.66	34.97
725.1	31.50	31.32	31.21	38.76	38.70	38.65	660.1	725.1	36.84	36.82	36.80
755.1	32.00	31.77	31.60	40.89	40.80	40.63	690.1	755.1	39.88	39.75	39.80
785.1	33.47	33.14	32.85	43.41	43.74	43.79	720.1	785.1	38.43	38.85	39.92
825.1	39.62	39.40	39.26	41.21	42.06	42.92	760.1	825.1	33.67	34.02	34.51
845.1	41.45	41.42	41.59	39.44	40.06	40.67	780.1	845.1	32.69	33.10	33.33
865.1	42.07	42.14	42.40	38.16	38.64	39.05	800.1	865.1	32.61	32.81	32.79
895.1	41.79	41.84	41.96	37.18	37.55	37.82	830.1	895.1	32.16	32.37	32.65
925.1	41.08	40.92	40.85	36.55	36.85	37.10	860.1	925.1	31.96	32.50	32.59
955.1	41.22	40.98	40.84	35.97	36.23	36.46	890.1	955.1	31.96	32.43	32.68
975.1	40.85	40.56	40.35	35.72	35.94	36.17	910.1	975.1	31.57	32.03	32.45
1005.1	40.79	40.49	40.22	35.39	35.60	35.79	940.1	1005.1	31.18	31.81	32.19
1035.1	41.88	41.49	41.09	34.93	35.10	35.26	970.1	1035.1	30.77	31.45	31.97
1065.1	42.12	41.81	41.50	34.46	34.59	34.72	1000.1	1065.1	30.34	31.04	31.70
1085.1	41.26	40.91	40.51	34.30	34.39	34.50	1020.1	1085.1	30.18	30.91	31.49
1115.1	41.52	41.30	41.01	33.82	33.87	33.95	1050.1	1115.1	29.79	30.65	31.45
1145.1	41.11	40.87	40.58	33.39	33.42	33.49	1080.1	1145.1	29.70	30.47	31.34
1175.1	41.76	41.53	41.26	33.17	33.18	33.23	1110.1	1175.1	29.69	30.62	31.68
1205.1	40.02	39.76	39.45	32.52	32.51	32.52	1140.1	1205.1	29.67	30.78	32.07
1225.1	39.89	39.70	39.50	32.20	32.19	32.19	1160.1	1225.1	29.83	31.07	32.37
1255.1	39.72	39.58	39.46	31.91	31.87	31.86	1190.1	1255.1	29.65	31.09	32.38
1285.1	39.16	38.82	38.54	31.33	31.27	31.23	1220.1	1285.1	29.14	30.39	31.42
1315.1	37.89	37.58	37.37	30.67	30.59	30.53	1250.1	1315.1	28.33	29.32	29.99
1335.1	37.45	37.05	36.77	30.41	30.32	30.24	1270.1	1335.1	27.68	28.52	29.00
1365.1	36.31	35.89	35.61	29.90	29.79	29.70	1300.1	1365.1	26.56	27.19	27.50
1395.1	36.50	35.92	35.50	29.06	28.92	28.79	1330.1	1395.1	25.56	25.96	26.14
1425.1	35.76	35.10	34.57	28.33	28.17	28.00	1360.1	1425.1	24.64	24.92	25.06
1445.1	35.56	34.73	34.03	28.20	28.04	27.86	1380.1	1445.1	24.07	24.34	24.40
1475.1	35.27	34.41	33.66	27.45	27.26	27.06	1410.1	1475.1	23.00	23.20	23.15
1505.1	36.60	35.53	34.52	26.64	26.45	26.26	1440.1	1505.1	22.09	22.21	22.06
1535.1	37.66	36.79	35.89	26.61	26.46	26.27	1470.1	1535.1	21.48	21.58	21.44
1565.1	39.09	38.38	37.51	26.57	26.46	26.34	1500.1	1565.1	20.72	20.76	20.57

# Frequency Mixer

# ADE-851FLH+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=845MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+7	+10	+13		+7	+10	+13		+7	+10	+13
420.1	485.1	2.23	2.33	2.44	485.1	3.24	3.23	3.22	10.1	1.06	1.03	1.13
440.1	505.1	2.29	2.38	2.45	505.1	3.98	3.99	3.99	30.1	1.09	1.12	1.17
470.1	535.1	2.45	2.52	2.60	535.1	4.68	4.70	4.71	50.1	1.07	1.11	1.15
500.1	565.1	2.60	2.68	2.75	565.1	3.80	3.80	3.79	70.1	1.13	1.15	1.20
530.1	595.1	2.68	2.74	2.82	595.1	4.09	4.10	4.10	90.1	1.13	1.15	1.17
550.1	615.1	2.72	2.79	2.86	615.1	4.77	4.79	4.80	115.1	1.17	1.21	1.25
580.1	645.1	2.79	2.86	2.92	645.1	4.21	4.21	4.21	135.1	1.19	1.21	1.24
610.1	675.1	2.87	2.95	3.00	675.1	3.49	3.48	3.46	155.1	1.21	1.25	1.29
640.1	705.1	2.95	3.01	3.08	705.1	4.08	4.08	4.07	175.1	1.26	1.29	1.32
660.1	725.1	2.99	3.05	3.12	725.1	3.73	3.71	3.70	195.1	1.24	1.28	1.32
690.1	755.1	2.91	2.97	3.03	755.1	2.81	2.80	2.78	220.1	1.32	1.36	1.40
720.1	785.1	2.89	2.95	3.01	785.1	3.35	3.35	3.36	240.1	1.30	1.35	1.40
760.1	825.1	2.96	3.02	3.09	825.1	2.99	3.00	3.00	260.1	1.39	1.44	1.48
780.1	845.1	2.97	3.04	3.12	845.1	2.91	2.93	2.93	280.1	1.35	1.39	1.44
800.1	865.1	2.97	3.07	3.16	865.1	3.50	3.52	3.54	300.1	1.44	1.50	1.55
830.1	895.1	2.94	3.05	3.15	895.1	3.93	3.96	3.98	325.1	1.43	1.49	1.54
860.1	925.1	2.82	2.94	3.04	925.1	3.25	3.26	3.27	345.1	1.51	1.57	1.63
890.1	955.1	2.74	2.86	2.97	955.1	3.70	3.71	3.72	365.1	1.50	1.56	1.62
910.1	975.1	2.67	2.79	2.90	975.1	4.40	4.41	4.43	385.1	1.56	1.63	1.69
940.1	1005.1	2.55	2.67	2.78	1005.1	4.05	4.07	4.09	405.1	1.59	1.66	1.72
970.1	1035.1	2.41	2.52	2.63	1035.1	3.45	3.45	3.45	430.1	1.66	1.73	1.80
1000.1	1065.1	2.30	2.40	2.51	1065.1	4.21	4.22	4.22	450.1	1.66	1.73	1.79
1020.1	1085.1	2.22	2.30	2.41	1085.1	4.67	4.69	4.71	470.1	1.71	1.78	1.86
1050.1	1115.1	2.08	2.14	2.22	1115.1	3.98	3.99	4.01	490.1	1.78	1.85	1.92
1080.1	1145.1	1.95	1.98	2.03	1145.1	3.58	3.58	3.58	510.1	1.77	1.85	1.92
1110.1	1175.1	1.85	1.85	1.87	1175.1	4.39	4.40	4.41	535.1	1.87	1.95	2.02
1140.1	1205.1	1.76	1.72	1.70	1205.1	4.44	4.46	4.48	555.1	1.86	1.94	2.01
1160.1	1225.1	1.73	1.66	1.62	1225.1	3.84	3.85	3.86	575.1	1.98	2.06	2.14
1190.1	1255.1	1.77	1.69	1.63	1255.1	3.69	3.69	3.68	595.1	1.96	2.04	2.11
1220.1	1285.1	1.87	1.80	1.74	1285.1	4.45	4.45	4.45	615.1	2.10	2.18	2.26
1250.1	1315.1	1.99	1.94	1.89	1315.1	4.20	4.21	4.22	640.1	2.07	2.15	2.22
1270.1	1335.1	2.06	2.03	1.99	1335.1	3.66	3.66	3.66	660.1	2.23	2.31	2.39
1300.1	1365.1	2.15	2.14	2.11	1365.1	3.71	3.71	3.71	680.1	2.23	2.31	2.39
1330.1	1395.1	2.21	2.20	2.17	1395.1	4.33	4.33	4.33	700.1	2.38	2.47	2.55
1360.1	1425.1	2.20	2.20	2.18	1425.1	3.88	3.88	3.88	720.1	2.40	2.48	2.56
1380.1	1445.1	2.18	2.18	2.16	1445.1	3.44	3.44	3.43	745.1	2.56	2.65	2.73
1410.1	1475.1	2.19	2.19	2.16	1475.1	3.68	3.68	3.67	765.1	2.62	2.72	2.80
1440.1	1505.1	2.21	2.21	2.17	1505.1	4.15	4.15	4.15	785.1	2.76	2.86	2.94
1470.1	1535.1	2.22	2.24	2.22	1535.1	3.54	3.54	3.54	805.1	2.85	2.95	3.04
1500.1	1565.1	2.26	2.30	2.29	1565.1	3.20	3.20	3.19	830.1	2.99	3.09	3.18

## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	11.4	1.9	20.7	29.2	38.3	33.0	28.3	43.8	30.8	37.9
1	---	25.2	---	39.8	24.2	46.6	39.3	60.0	40.5	47.6	49.5	47.6
2	104.4	58.4	65.2	64.6	71.2	85.2	78.2	95.7	82.1	78.5	77.6	75.0
3	126.5	104.9	88.1	102.0	83.5	100.0	91.7	104.5	98.3	105.4	97.8	105.0
4	124.4	106.5	105.8	106.7	103.7	96.4	105.0	108.3	103.7	104.1	104.6	105.1
5	125.6	105.3	106.8	106.0	104.5	101.9	99.6	104.1	106.5	106.2	106.5	105.1
6	126.3	106.1	104.5	104.7	104.7	105.6	102.5	103.6	105.2	106.1	106.3	106.2
7	125.1	104.0	105.5	103.6	106.8	106.5	105.1	101.8	102.7	104.0	104.5	105.1
8	125.0	104.1	105.2	106.6	105.4	106.0	107.8	105.2	104.3	101.3	104.8	106.7
9	125.3	104.1	106.0	106.3	105.7	104.9	105.8	106.1	104.7	83.2	104.5	106.6
10	124.2	105.5	104.8	105.5	104.0	106.3	106.4	102.9	105.9	106.3	98.3	102.2
	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	---	---	21.4	11.8	30.8	39.1	47.4	43.7	38.5	51.3	41.4	47.8
1	---	25.0	---	39.4	24.3	47.5	39.5	58.9	41.0	47.7	50.1	48.1
2	90.8	48.4	55.2	55.9	61.2	72.9	68.3	83.6	72.8	72.1	69.5	67.6
3	114.4	84.8	65.5	77.8	60.1	77.3	69.0	84.6	75.7	93.0	74.5	88.6
4	119.6	99.4	98.5	91.1	93.6	86.2	89.9	95.2	103.0	111.4	100.7	92.5
5	117.7	112.5	98.5	105.9	86.0	103.5	85.8	103.0	97.6	109.9	100.7	110.3
6	119.4	109.6	117.0	114.5	115.9	102.8	112.1	104.1	114.3	115.9	115.5	111.7
7	119.1	112.3	109.0	116.1	106.9	112.1	96.9	107.3	98.8	107.5	107.5	115.2
8	119.0	115.8	115.5	116.8	114.9	114.2	117.1	114.5	102.2	113.0	114.6	116.5
9	120.8	117.5	116.6	114.6	115.8	117.4	114.0	115.2	115.1	93.0	102.1	114.7
10	118.5	115.0	115.3	114.6	116.0	116.3	116.6	116.2	117.3	114.0	101.1	113.8
	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