

# Frequency Mixer

# MAC-113H+

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+14dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+14	+17	+20			+14	+17	+20			+14	+17	+20
3800.1	3830.1	7.34	6.73	6.44	3800.1	3830.1	17.20	19.62	20.48	3800.1	3830.1	2.03	1.64	1.61
3900.1	3930.1	6.73	6.15	5.94	3900.1	3930.1	18.44	20.58	21.93	3900.1	3930.1	2.10	1.72	1.74
4000.1	4030.1	6.47	6.05	5.85	4000.1	4030.1	18.72	20.84	21.98	4000.1	4030.1	1.88	1.54	1.59
4100.1	4130.1	6.34	5.92	5.78	4100.1	4130.1	18.69	20.56	21.43	4100.1	4130.1	1.77	1.38	1.46
4200.1	4230.1	6.20	5.79	5.55	4200.1	4230.1	18.63	20.45	21.89	4200.1	4230.1	1.71	1.37	1.40
4300.1	4330.1	6.06	5.61	5.45	4300.1	4330.1	19.66	21.68	22.45	4300.1	4330.1	1.65	1.22	1.26
4400.1	4430.1	6.32	5.86	5.71	4400.1	4430.1	22.28	24.94	24.66	4400.1	4430.1	1.35	0.97	0.90
4600.1	4630.1	5.93	5.59	5.46	4600.1	4630.1	19.84	21.30	22.38	4600.1	4630.1	1.61	1.06	1.03
4800.1	4830.1	5.41	5.15	5.04	4800.1	4830.1	20.08	22.39	24.72	4800.1	4830.1	1.86	0.90	0.73
5000.1	5030.1	5.62	5.34	5.10	5000.1	5030.1	22.79	24.66	27.72	5000.1	5030.1	1.64	0.61	0.47
5200.1	5230.1	7.57	7.27	7.13	5200.1	5230.1	17.58	18.50	20.10	5200.1	5230.1	2.27	1.65	1.30
5400.1	5430.1	7.61	6.80	6.36	5400.1	5430.1	22.21	22.90	21.51	5400.1	5430.1	2.03	1.82	1.87
5600.1	5630.1	6.71	6.39	6.28	5600.1	5630.1	18.21	18.62	17.71	5600.1	5630.1	2.51	2.03	2.05
5800.1	5830.1	7.09	6.64	6.51	5800.1	5830.1	17.24	18.43	17.73	5800.1	5830.1	2.53	2.07	1.91
6000.1	6030.1	6.81	6.22	6.05	6000.1	6030.1	18.23	20.40	19.94	6000.1	6030.1	1.89	1.42	1.30
6200.1	6230.1	6.53	5.96	5.78	6200.1	6230.1	17.58	18.79	20.24	6200.1	6230.1	1.21	0.72	0.67
6400.1	6430.1	6.16	5.60	5.42	6400.1	6430.1	17.97	18.31	20.35	6400.1	6430.1	1.45	0.66	0.41
6600.1	6630.1	6.40	5.69	5.38	6600.1	6630.1	19.76	18.68	19.53	6600.1	6630.1	1.26	0.67	0.38
6800.1	6830.1	6.40	5.64	5.29	6800.1	6830.1	20.92	21.84	19.17	6800.1	6830.1	2.49	1.90	1.31
7200.1	7230.1	8.16	7.02	6.23	7200.1	7230.1	16.89	17.94	18.55	7200.1	7230.1	0.76	0.81	1.06
7400.1	7430.1	7.43	6.42	5.84	7400.1	7430.1	16.85	18.30	18.88	7400.1	7430.1	1.23	1.00	1.13
7600.1	7630.1	7.00	5.96	5.50	7600.1	7630.1	16.69	18.66	19.40	7600.1	7630.1	1.56	1.26	1.33
7800.1	7830.1	7.07	5.91	5.58	7800.1	7830.1	17.20	19.54	20.26	7800.1	7830.1	1.42	1.20	1.25
8000.1	8030.1	6.93	6.03	5.75	8000.1	8030.1	18.05	20.16	20.78	8000.1	8030.1	1.26	0.96	1.03
8200.1	8230.1	7.11	6.28	6.06	8200.1	8230.1	19.08	20.74	20.90	8200.1	8230.1	1.07	0.80	0.93
8400.1	8430.1	7.21	6.47	6.19	8400.1	8430.1	20.75	22.47	22.86	8400.1	8430.1	0.77	0.61	0.82
8600.1	8630.1	7.52	6.70	6.43	8600.1	8630.1	21.29	23.01	23.18	8600.1	8630.1	0.63	0.60	0.86
8800.1	8830.1	7.84	7.02	6.72	8800.1	8830.1	22.49	22.51	22.67	8800.1	8830.1	0.55	0.57	0.80
9000.1	9030.1	8.26	7.34	7.00	9000.1	9030.1	22.32	23.20	22.96	9000.1	9030.1	0.24	0.33	0.57
9200.1	9230.1	7.60	6.76	6.50	9200.1	9230.1	21.39	22.46	22.60	9200.1	9230.1	0.53	0.61	0.93
9400.1	9430.1	7.21	6.39	6.18	9400.1	9430.1	20.70	21.48	21.56	9400.1	9430.1	0.86	0.88	1.27
9600.1	9630.1	7.01	6.18	6.00	9600.1	9630.1	19.93	20.67	20.85	9600.1	9630.1	1.08	1.01	1.45
9800.1	9830.1	7.23	6.08	5.94	9800.1	9830.1	19.35	20.22	20.05	9800.1	9830.1	1.13	0.97	1.43
10000.1	10030.1	7.71	6.28	6.16	10000.1	10030.1	18.41	19.22	18.76	10000.1	10030.1	1.02	0.94	1.46
10200.1	10230.1	8.17	6.40	6.40	10200.1	10230.1	16.85	18.11	18.55	10200.1	10230.1	1.03	1.00	1.39
10400.1	10430.1	8.63	6.68	6.63	10400.1	10430.1	13.13	17.47	19.19	10400.1	10430.1	0.98	0.87	1.09
10600.1	10630.1	8.38	6.21	6.17	10600.1	10630.1	27.35	21.49	21.06	10600.1	10630.1	0.30	0.88	1.20
10800.1	10830.1	7.99	6.21	6.15	10800.1	10830.1	19.74	20.21	20.62	10800.1	10830.1	0.66	0.75	1.16
11000.1	11030.1	8.80	6.71	6.61	11000.1	11030.1	20.25	20.80	19.91	11000.1	11030.1	0.17	0.49	0.75

## Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=7400.1MHz (dB)
		@LO (dBm)
		+17
4200.0	3200.1	12.78
3800.0	3600.1	10.84
3400.0	4000.1	9.72
3000.0	4400.1	9.93
2600.0	4800.1	10.42
2300.0	5100.1	8.83
2100.0	5300.1	8.12
1900.0	5500.1	7.71
1700.0	5700.1	7.50
1500.0	5900.1	6.89
1300.0	6100.1	6.34
1100.0	6300.1	6.89
900.0	6500.1	8.80
700.0	6700.1	7.68
500.0	6900.1	7.50
200.0	7200.1	6.24
160.0	7240.1	6.32
120.0	7280.1	6.30
80.0	7320.1	6.44
40.0	7360.1	6.37
20.0	7420.1	6.40
60.0	7460.1	6.24
100.0	7500.1	6.21
140.0	7540.1	6.19
180.0	7580.1	6.14
300.0	7700.1	6.26
500.0	7900.1	6.16
700.0	8100.1	6.08
900.0	8300.1	6.08
1100.0	8500.1	6.26
1300.0	8700.1	6.68
1500.0	8900.1	7.54
1700.0	9100.1	8.50
1900.0	9300.1	9.53
2100.0	9500.1	10.26
2300.0	9700.1	11.02
2500.0	9900.1	12.00
2700.0	10100.1	10.87
3000.0	10400.1	10.03
3400.0	10800.1	8.95

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3800.1MHz (dB)
		@LO (dBm)
		+17
10.0	3810.1	7.22
20.0	3820.1	6.76
30.0	3830.1	6.75
40.0	3840.1	6.62
50.0	3850.1	6.53
60.0	3860.1	6.50
70.0	3870.1	6.43
80.0	3880.1	6.44
90.0	3890.1	6.42
100.0	3900.1	6.44
110.0	3910.1	6.48
120.0	3920.1	6.39
130.0	3930.1	6.39
140.0	3940.1	6.36
150.0	3950.1	6.33
160.0	3960.1	6.35
170.0	3970.1	6.39
180.0	3980.1	6.38
190.0	3990.1	6.38
200.0	4000.1	6.39
300.0	4100.1	6.39
400.0	4200.1	6.30
500.0	4300.1	6.22
600.0	4400.1	6.33
700.0	4500.1	6.52
800.0	4600.1	6.19
900.0	4700.1	5.92
1000.0	4800.1	5.75
1100.0	4900.1	6.11
1200.0	5000.1	6.51
1300.0	5100.1	7.12
1400.0	5200.1	7.50
1500.0	5300.1	7.48
1600.0	5400.1	7.52
1700.0	5500.1	7.27
1800.0	5600.1	7.28
1900.0	5700.1	7.37
2000.0	5800.1	7.36
2100.0	5900.1	7.25
2200.0	6000.1	7.37

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=11000.1MHz (dB)
		@LO (dBm)
		+17
6300.0	4700.1	14.84
6000.0	5000.1	10.26
5800.0	5200.1	8.52
5600.0	5400.1	7.01
5400.0	5600.1	6.63
5200.0	5800.1	6.73
5000.0	6000.1	7.30
4800.0	6200.1	8.39
4600.0	6400.1	8.78
4400.0	6600.1	8.86
4200.0	6800.1	9.01
4000.0	7000.1	9.32
3800.0	7200.1	7.50
3600.0	7400.1	8.13
3400.0	7600.1	8.85
3200.0	7800.1	9.64
3000.0	8000.1	10.18
2800.0	8200.1	10.28
2600.0	8400.1	10.79
2400.0	8600.1	10.45
2200.0	8800.1	9.78
2000.0	9000.1	9.20
1800.0	9200.1	8.72
1600.0	9400.1	8.16
1400.0	9600.1	7.35
1200.0	9800.1	6.49
1000.0	10000.1	6.13
800.0	10200.1	6.03
600.0	10400.1	6.21
400.0	10600.1	6.24
200.0	10800.1	6.34
180.0	10820.1	6.34
160.0	10840.1	6.44
140.0	10860.1	6.38
120.0	10880.1	6.53
100.0	10900.1	6.46
80.0	10920.1	6.53
60.0	10940.1	6.58
40.0	10960.1	6.59
20.0	10980.1	6.63

## 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)		
	+14	+17	+20	+14	+17	+20			+14	+17	+20
3830.1	30.81	33.24	37.33	9.69	10.22	9.80	3800.1	3830.1	22.74	24.65	26.07
3930.1	31.39	31.64	32.23	10.67	11.12	10.48	3900.1	3930.1	23.00	25.79	26.88
4030.1	32.10	31.66	30.63	11.95	11.93	10.89	4000.1	4030.1	22.86	24.36	24.65
4130.1	32.35	34.14	32.01	13.20	12.65	11.40	4100.1	4130.1	22.31	23.15	23.01
4230.1	34.44	37.38	35.66	14.17	13.01	11.57	4200.1	4230.1	22.58	22.95	22.50
4330.1	36.71	41.20	34.99	14.86	13.27	11.83	4300.1	4330.1	23.54	23.86	23.45
4430.1	38.54	39.02	32.03	15.41	13.45	12.02	4400.1	4430.1	25.21	24.82	24.00
4630.1	29.71	29.71	28.88	17.84	15.01	13.05	4600.1	4630.1	20.81	20.16	19.19
4830.1	32.44	30.14	28.15	16.54	14.44	13.14	4800.1	4830.1	18.03	17.42	16.87
5030.1	38.24	36.34	33.10	15.04	14.03	13.30	5000.1	5030.1	16.55	15.80	15.25
5230.1	36.99	34.57	33.06	14.42	14.17	13.87	5200.1	5230.1	16.74	16.80	16.96
5430.1	31.27	32.10	31.52	14.47	15.25	15.61	5400.1	5430.1	16.67	16.23	15.80
5630.1	25.33	26.99	27.88	13.55	15.02	16.27	5600.1	5630.1	14.18	13.69	12.95
5830.1	22.58	24.63	26.18	14.55	16.69	18.57	5800.1	5830.1	11.25	11.32	11.20
6030.1	22.75	25.18	27.26	17.05	19.61	21.83	6000.1	6030.1	11.24	11.81	12.14
6230.1	23.56	26.38	28.70	19.58	22.00	24.33	6200.1	6230.1	12.45	13.41	14.04
6430.1	25.14	27.89	30.03	23.43	25.62	27.82	6400.1	6430.1	14.70	15.66	16.43
6630.1	28.11	31.28	33.41	27.36	29.50	31.50	6600.1	6630.1	16.97	17.89	18.69
6830.1	32.51	35.90	36.31	31.71	33.81	35.46	6800.1	6830.1	19.03	19.73	20.36
7230.1	34.81	36.33	40.04	40.72	39.26	37.86	7200.1	7230.1	22.97	23.25	23.38
7430.1	35.53	36.46	38.01	43.66	39.86	37.60	7400.1	7430.1	27.36	27.40	27.36
7630.1	39.28	38.98	39.26	42.64	39.69	37.45	7600.1	7630.1	31.94	30.60	29.95
7830.1	38.62	37.75	37.46	41.05	39.40	37.61	7800.1	7830.1	31.49	29.60	28.95
8030.1	38.99	38.94	36.98	40.25	39.52	38.18	8000.1	8030.1	28.08	27.36	26.92
8230.1	36.67	37.90	38.33	40.86	40.36	39.45	8200.1	8230.1	25.94	25.82	25.66
8430.1	34.35	35.69	36.99	41.31	40.99	40.92	8400.1	8430.1	23.89	24.03	24.00
8630.1	31.29	32.10	33.39	42.50	41.60	41.44	8600.1	8630.1	22.70	22.98	23.09
8830.1	30.11	28.74	27.60	45.07	41.69	40.56	8800.1	8830.1	21.33	21.62	21.63
9030.1	33.73	37.54	40.59	47.17	56.89	57.47	9000.1	9030.1	20.42	20.92	21.05
9230.1	34.98	35.72	35.79	41.92	43.96	46.49	9200.1	9230.1	19.18	19.77	20.17
9430.1	33.28	33.58	32.75	39.58	42.56	48.75	9400.1	9430.1	18.39	19.00	19.52
9630.1	31.69	31.18	29.20	35.18	37.27	38.65	9600.1	9630.1	17.91	18.56	19.14
9830.1	30.80	29.41	27.64	30.56	31.34	31.82	9800.1	9830.1	18.08	19.23	20.19
10030.1	32.59	29.62	27.10	27.65	28.55	29.73	10000.1	10030.1	18.31	19.50	20.30
10230.1	33.71	31.15	28.48	22.99	22.58	22.67	10200.1	10230.1	18.19	19.08	19.50
10430.1	31.91	33.00	30.11	16.76	17.42	17.70	10400.1	10430.1	18.59	16.64	17.39
10630.1	31.63	27.69	25.38	19.31	19.82	19.23	10600.1	10630.1	15.19	16.38	17.43
10830.1	25.38	24.13	22.16	23.72	21.95	20.84	10800.1	10830.1	15.18	16.71	17.57
11030.1	24.58	23.33	21.02	23.55	22.13	21.41	11000.1	11030.1	15.53	16.78	17.39

## Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=11030.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
3800.1	3830.1	3.19	2.48	2.10	3830.1	2.71	2.63	2.90	10.1	2.68	1.61	1.22
3900.1	3930.1	3.06	2.43	2.08	3930.1	2.61	2.51	2.83	20.1	2.73	1.58	1.18
4000.1	4030.1	2.82	2.25	1.89	4030.1	2.45	2.47	2.87	30.1	2.80	1.58	1.20
4100.1	4130.1	2.94	2.32	1.90	4130.1	2.34	2.43	2.87	40.1	2.90	1.64	1.25
4200.1	4230.1	2.96	2.38	1.95	4230.1	2.31	2.43	2.88	50.1	2.98	1.66	1.28
4300.1	4330.1	2.74	2.24	1.87	4330.1	2.24	2.40	2.90	60.1	2.95	1.66	1.29
4400.1	4430.1	2.90	2.46	2.11	4430.1	2.19	2.39	2.91	70.1	2.96	1.67	1.29
4600.1	4630.1	2.46	2.00	1.66	4630.1	2.11	2.37	2.95	80.1	2.92	1.64	1.27
4800.1	4830.1	2.08	1.79	1.58	4830.1	1.82	2.25	2.95	90.1	2.90	1.64	1.28
5000.1	5030.1	2.17	1.93	1.77	5030.1	1.60	2.18	2.94	100.1	2.93	1.66	1.29
5200.1	5230.1	3.69	3.59	3.45	5230.1	1.56	2.19	2.94	150.1	3.00	1.70	1.35
5400.1	5430.1	3.62	3.16	2.80	5430.1	1.56	2.18	2.94	200.1	3.00	1.71	1.38
5600.1	5630.1	2.31	2.12	1.97	5630.1	1.50	2.13	2.90	250.1	3.06	1.77	1.44
5800.1	5830.1	2.09	2.01	1.95	5830.1	1.67	2.22	2.96	300.1	3.05	1.78	1.49
6000.1	6030.1	1.74	1.61	1.54	6030.1	1.94	2.34	3.05	350.1	3.06	1.82	1.53
6200.1	6230.1	1.86	1.54	1.38	6230.1	2.51	2.64	3.15	400.1	3.18	1.88	1.58
6400.1	6430.1	1.78	1.44	1.25	6430.1	2.98	2.91	3.24	450.1	3.19	1.88	1.61
6600.1	6630.1	1.74	1.44	1.28	6630.1	3.45	3.13	3.27	500.1	3.43	2.00	1.68
6800.1	6830.1	1.44	1.28	1.31	6830.1	3.90	3.27	3.28	550.1	3.48	2.04	1.72
7200.1	7230.1	3.03	2.65	2.34	7230.1	5.06	3.42	3.22	650.1	3.76	2.15	1.79
7400.1	7430.1	2.95	2.55	2.27	7430.1	5.65	3.41	3.04	700.1	4.13	2.35	1.93
7600.1	7630.1	3.18	2.68	2.39	7630.1	5.86	3.24	2.75	750.1	3.99	2.26	1.87
7800.1	7830.1	3.26	2.66	2.40	7830.1	5.78	3.03	2.45	800.1	4.47	2.52	2.03
8000.1	8030.1	2.98	2.51	2.27	8030.1	5.25	2.70	2.10	850.1	4.29	2.43	1.98
8200.1	8230.1	3.18	2.70	2.42	8230.1	4.50	2.33	1.70	900.1	4.74	2.66	2.13
8400.1	8430.1	3.17	2.73	2.46	8430.1	3.87	2.15	1.63	950.1	4.71	2.63	2.11
8600.1	8630.1	3.58	3.08	2.76	8630.1	3.35	1.91	1.48	1000.1	5.05	2.84	2.25
8800.1	8830.1	4.28	3.52	3.06	8830.1	2.98	1.77	1.51	1050.1	5.10	2.84	2.24
9000.1	9030.1	4.22	3.61	3.21	9030.1	2.84	1.76	1.62	1100.1	5.44	3.08	2.42
9200.1	9230.1	4.94	4.05	3.57	9230.1	2.94	1.94	1.88	1150.1	5.38	3.03	2.36
9400.1	9430.1	3.98	3.20	2.77	9430.1	3.27	2.14	2.02	1200.1	5.68	3.26	2.54
9600.1	9630.1	3.44	2.82	2.41	9630.1	3.73	2.36	2.12	1250.1	5.54	3.22	2.50
9800.1	9830.1	3.29	2.56	2.18	9830.1	4.30	2.56	2.17	1300.1	5.66	3.40	2.66
10000.1	10030.1	2.94	2.17	1.81	10030.1	5.22	2.90	2.18	1350.1	5.47	3.32	2.60
10200.1	10230.1	2.91	1.94	1.57	10230.1	5.96	3.25	2.27	1400.1	5.34	3.39	2.70
10400.1	10430.1	2.52	1.60	1.24	10430.1	5.56	3.40	2.23	1500.1	4.95	3.32	2.68
10600.1	10630.1	2.17	1.46	1.13	10630.1	6.32	3.40	2.20	1600.1	4.64	3.22	2.65
10800.1	10830.1	1.94	1.31	1.12	10830.1	5.78	3.13	2.08	1700.1	4.57	3.19	2.68
11000.1	11030.1	1.81	1.32	1.19	11030.1	5.37	3.01	1.99	1800.1	4.39	3.15	2.69

## Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	11.79	34.71	40.28	---	---	---	---	---	---	---
1	---	16.59	---	32.70	38.13	63.15	---	---	---	---	---	---
2	87.16	62.21	60.92	62.69	72.33	70.18	80.45	---	---	---	---	---
3	111.83	78.34	67.26	77.96	57.24	81.92	80.41	92.98	---	---	---	---
4	---	---	109.87	97.72	103.35	90.38	105.36	97.56	106.24	---	---	---
5	---	---	---	113.67	101.10	104.19	93.92	107.33	104.92	114.27	---	---
6	---	---	---	---	108.68	98.89	107.82	113.57	102.69	101.92	113.79	---
7	---	---	---	---	---	111.68	103.82	110.66	96.97	111.85	99.05	111.75
8	---	---	---	---	---	---	113.78	102.50	106.93	100.42	107.27	107.78
9	---	---	---	---	---	---	---	115.53	109.32	108.40	106.14	108.04
10	---	---	---	---	---	---	---	---	112.69	109.11	111.54	105.96
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions:

RF IN: 7400.1 MHz; -1.00 dBm  
 LO IN: 7430.1 MHz; +17.00 dBm  
 IF OUT: 30 MHz; -6.65 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	21.93	44.68	51.62	---	---	---	---	---	---	---
1	---	17.29	---	34.75	37.50	70.19	---	---	---	---	---	---
2	64.48	50.02	51.09	50.19	62.47	63.28	75.63	---	---	---	---	---
3	95.57	57.15	45.93	55.20	33.99	56.59	68.94	73.82	---	---	---	---
4	---	---	80.91	67.48	75.62	57.96	85.94	73.52	87.66	---	---	---
5	---	---	---	81.10	64.61	71.96	49.86	76.03	95.66	88.27	---	---
6	---	---	---	---	100.45	87.00	102.52	78.46	91.21	82.78	101.61	---
7	---	---	---	---	---	97.66	83.00	83.58	61.42	87.27	85.94	94.10
8	---	---	---	---	---	---	115.36	95.67	102.76	79.97	103.26	92.05
9	---	---	---	---	---	---	---	108.67	86.89	90.65	70.96	95.74
10	---	---	---	---	---	---	---	---	112.63	103.68	106.57	90.10
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

### LO HARMONICS ORDER

Test conditions:

RF IN: 7400.1 MHz; +9.00 dBm  
 LO IN: 7430.1 MHz; +17.00 dBm  
 IF OUT: 30 MHz; +3.45 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