

Frequency Mixer

LAVI-ED14247/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=300MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP-3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+20dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+21	+23	+25			+21	+23	+25			+21	+23	+25
2200.1	2500.1	7.67	7.56	7.45	2200.1	2500.1	29.29	33.02	41.85	2200.1	2500.1	0.92	0.39	-0.15
2240.1	2540.1	7.06	6.86	6.67	2240.1	2540.1	24.54	26.65	29.35	2240.1	2540.1	1.54	0.98	0.63
2280.1	2580.1	7.09	6.90	6.74	2280.1	2580.1	26.15	28.46	31.60	2280.1	2580.1	1.07	0.68	0.41
2320.1	2620.1	7.04	6.83	6.66	2320.1	2620.1	25.38	27.52	30.17	2320.1	2620.1	1.32	0.77	0.48
2380.1	2680.1	6.94	6.74	6.60	2380.1	2680.1	27.13	29.59	32.86	2380.1	2680.1	0.99	0.59	0.36
2420.1	2720.1	7.03	6.82	6.66	2420.1	2720.1	26.45	28.69	31.37	2420.1	2720.1	1.19	0.69	0.43
2460.1	2760.1	6.96	6.78	6.63	2460.1	2760.1	26.98	28.97	31.53	2460.1	2760.1	0.99	0.61	0.37
2520.1	2820.1	6.93	6.76	6.61	2520.1	2820.1	27.77	29.97	32.52	2520.1	2820.1	0.85	0.54	0.33
2560.1	2860.1	6.84	6.68	6.53	2560.1	2860.1	27.97	29.91	32.72	2560.1	2860.1	0.80	0.51	0.31
2600.1	2900.1	6.75	6.57	6.42	2600.1	2900.1	28.61	30.71	33.53	2600.1	2900.1	0.61	0.40	0.24
2660.1	2960.1	6.80	6.65	6.51	2660.1	2960.1	29.27	31.27	34.49	2660.1	2960.1	0.64	0.41	0.25
2700.1	3000.1	6.71	6.56	6.43	2700.1	3000.1	29.69	31.88	34.83	2700.1	3000.1	0.57	0.36	0.23
2740.1	3040.1	6.86	6.72	6.59	2740.1	3040.1	29.37	31.39	33.69	2740.1	3040.1	0.55	0.35	0.20
2780.1	3080.1	6.69	6.55	6.43	2780.1	3080.1	31.07	32.81	35.31	2780.1	3080.1	0.42	0.27	0.17
2840.1	3140.1	6.80	6.67	6.56	2840.1	3140.1	31.48	33.16	35.76	2840.1	3140.1	0.36	0.23	0.14
2880.1	3180.1	6.75	6.61	6.50	2880.1	3180.1	32.57	34.22	36.82	2880.1	3180.1	0.27	0.18	0.10
2920.1	3220.1	6.78	6.66	6.55	2920.1	3220.1	32.31	34.10	35.53	2920.1	3220.1	0.31	0.20	0.12
2980.1	3280.1	6.75	6.63	6.52	2980.1	3280.1	33.26	35.17	37.12	2980.1	3280.1	0.22	0.13	0.08
3020.1	3320.1	6.99	6.88	6.79	3020.1	3320.1	33.80	35.08	36.32	3020.1	3320.1	0.25	0.15	0.08
3060.1	3360.1	6.86	6.74	6.62	3060.1	3360.1	33.41	34.86	35.68	3060.1	3360.1	0.25	0.16	0.09
3120.1	3420.1	6.99	6.87	6.78	3120.1	3420.1	32.29	33.46	35.38	3120.1	3420.1	0.27	0.17	0.10
3160.1	3460.1	7.05	6.94	6.85	3160.1	3460.1	31.66	33.56	36.04	3160.1	3460.1	0.29	0.19	0.11
3200.1	3500.1	7.16	7.07	7.00	3200.1	3500.1	31.79	33.47	34.93	3200.1	3500.1	0.28	0.18	0.11
3260.1	3560.1	7.22	7.14	7.07	3260.1	3560.1	31.59	33.54	35.12	3260.1	3560.1	0.32	0.20	0.11
3300.1	3600.1	7.33	7.26	7.23	3300.1	3600.1	32.13	33.79	35.92	3300.1	3600.1	0.30	0.17	0.09
3340.1	3640.1	7.31	7.25	7.21	3340.1	3640.1	32.24	34.70	37.27	3340.1	3640.1	0.33	0.18	0.10
3400.1	3700.1	7.51	7.46	7.42	3400.1	3700.1	32.66	34.72	37.62	3400.1	3700.1	0.35	0.21	0.11
3440.1	3740.1	7.48	7.42	7.37	3440.1	3740.1	31.85	34.57	36.94	3440.1	3740.1	0.42	0.23	0.13
3480.1	3780.1	7.62	7.55	7.50	3480.1	3780.1	30.94	33.62	35.86	3480.1	3780.1	0.51	0.26	0.16
3520.1	3820.1	7.77	7.70	7.66	3520.1	3820.1	31.75	34.61	37.37	3520.1	3820.1	0.44	0.22	0.13
3580.1	3880.1	7.91	7.83	7.78	3580.1	3880.1	30.33	33.19	35.89	3580.1	3880.1	0.63	0.33	0.20
3620.1	3920.1	7.97	7.91	7.87	3620.1	3920.1	30.46	33.31	35.11	3620.1	3920.1	0.57	0.29	0.20
3660.1	3960.1	8.13	8.05	8.01	3660.1	3960.1	28.84	31.56	33.16	3660.1	3960.1	0.76	0.41	0.29
3720.1	4020.1	8.31	8.25	8.20	3720.1	4020.1	29.60	31.97	34.67	3720.1	4020.1	0.64	0.37	0.21
3760.1	4060.1	8.45	8.36	8.33	3760.1	4060.1	28.64	31.66	32.61	3760.1	4060.1	0.86	0.45	0.37
3800.1	4100.1	8.63	8.57	8.53	3800.1	4100.1	28.85	31.32	33.96	3800.1	4100.1	0.71	0.39	0.23
3860.1	4160.1	8.81	8.73	8.67	3860.1	4160.1	27.61	30.05	32.41	3860.1	4160.1	0.96	0.56	0.30
3900.1	4200.1	8.97	8.89	8.84	3900.1	4200.1	27.72	30.06	31.51	3900.1	4200.1	0.81	0.45	0.30
3940.1	4240.1	9.07	8.96	8.94	3940.1	4240.1	27.11	29.78	30.52	3940.1	4240.1	0.96	0.52	0.46
3980.1	4280.1	9.42	9.33	9.28	3980.1	4280.1	26.93	29.73	32.43	3980.1	4280.1	1.05	0.57	0.31



ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

minicircuits.com

REV. X1

LAVI-ED14247/1

6/3/2011

Page 1 of 5

Frequency Mixer

LAVI-ED14247/1

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3300.1MHz (dB)
		@LO (dBm)
		+23
540.0	2760.1	8.47
520.0	2780.1	8.31
490.0	2810.1	8.20
460.0	2840.1	8.09
440.0	2860.1	7.97
410.0	2890.1	7.78
380.0	2920.1	7.68
350.0	2950.1	7.64
330.0	2970.1	7.49
300.0	3000.1	7.45
270.0	3030.1	7.35
250.0	3050.1	7.35
220.0	3080.1	7.29
190.0	3110.1	7.22
160.0	3140.1	7.28
140.0	3160.1	7.20
110.0	3190.1	7.29
80.0	3220.1	7.48
60.0	3240.1	7.73
30.0	3270.1	9.45
30.0	3330.1	9.20
60.0	3360.1	7.51
90.0	3390.1	7.11
130.0	3430.1	6.98
160.0	3460.1	7.02
200.0	3500.1	7.07
230.0	3530.1	7.10
270.0	3570.1	7.21
300.0	3600.1	7.27
330.0	3630.1	7.36
370.0	3670.1	7.49
400.0	3700.1	7.57
440.0	3740.1	7.71
470.0	3770.1	7.85
510.0	3810.1	7.92
540.0	3840.1	8.10
570.0	3870.1	8.27
610.0	3910.1	8.31
640.0	3940.1	8.47
680.0	3980.1	8.61

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3200.1MHz (dB)
		@LO (dBm)
		+23
30.0	3230.1	9.05
40.0	3240.1	8.15
60.0	3260.1	7.32
80.0	3280.1	7.10
100.0	3300.1	6.88
120.0	3320.1	6.91
140.0	3340.1	6.79
160.0	3360.1	6.82
170.0	3370.1	6.81
190.0	3390.1	6.76
210.0	3410.1	6.85
230.0	3430.1	6.87
250.0	3450.1	6.95
270.0	3470.1	7.01
290.0	3490.1	7.03
310.0	3510.1	7.13
320.0	3520.1	7.17
340.0	3540.1	7.22
360.0	3560.1	7.32
380.0	3580.1	7.35
400.0	3600.1	7.41
420.0	3620.1	7.47
440.0	3640.1	7.54
460.0	3660.1	7.64
470.0	3670.1	7.67
490.0	3690.1	7.71
510.0	3710.1	7.75
530.0	3730.1	7.83
550.0	3750.1	7.99
570.0	3770.1	8.08
590.0	3790.1	8.10
610.0	3810.1	8.15
620.0	3820.1	8.17
640.0	3840.1	8.29
660.0	3860.1	8.39
680.0	3880.1	8.46
700.0	3900.1	8.50
720.0	3920.1	8.59
740.0	3940.1	8.72
760.0	3960.1	8.86

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=3400.1MHz (dB)
		@LO (dBm)
		+23
660.0	2740.1	9.45
650.0	2750.1	9.35
630.0	2770.1	9.16
620.0	2780.1	9.09
600.0	2800.1	8.95
590.0	2810.1	8.92
570.0	2830.1	8.88
550.0	2850.1	8.74
540.0	2860.1	8.66
520.0	2880.1	8.48
510.0	2890.1	8.42
490.0	2910.1	8.36
470.0	2930.1	8.29
460.0	2940.1	8.24
440.0	2960.1	8.12
430.0	2970.1	8.03
410.0	2990.1	7.94
390.0	3010.1	7.84
380.0	3020.1	7.80
360.0	3040.1	7.77
350.0	3050.1	7.76
330.0	3070.1	7.65
320.0	3080.1	7.61
300.0	3100.1	7.57
280.0	3120.1	7.48
270.0	3130.1	7.50
250.0	3150.1	7.44
240.0	3160.1	7.43
220.0	3180.1	7.44
200.0	3200.1	7.34
190.0	3210.1	7.33
170.0	3230.1	7.40
160.0	3240.1	7.36
140.0	3260.1	7.29
120.0	3280.1	7.42
110.0	3290.1	7.38
90.0	3310.1	7.46
80.0	3320.1	7.63
60.0	3340.1	7.89
50.0	3350.1	8.15



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

REV. X1

LAVI-ED14247/1

6/3/2011

Page 2 of 5

Frequency Mixer

LAVI-ED14247/1

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+21	+23	+25	+21	+23	+25
2500.1	46.21	45.87	45.57	36.65	36.66	36.68
2540.1	47.06	46.67	46.32	37.28	37.30	37.32
2580.1	47.17	46.78	46.43	35.99	36.02	36.03
2620.1	48.07	47.68	47.37	37.27	37.30	37.33
2680.1	44.87	44.67	44.50	35.72	35.74	35.76
2720.1	45.72	45.42	45.17	37.09	37.12	37.14
2760.1	42.71	42.52	42.42	36.07	36.09	36.13
2820.1	44.78	44.66	44.54	36.77	36.80	36.83
2860.1	45.48	45.26	45.03	36.06	36.09	36.11
2900.1	44.53	44.73	44.91	36.81	36.86	36.91
2960.1	47.01	47.24	47.33	37.40	37.43	37.45
3000.1	45.10	45.24	45.29	37.45	37.50	37.56
3040.1	44.29	44.48	44.63	38.15	38.20	38.26
3080.1	45.77	46.17	46.64	37.85	37.92	38.02
3140.1	47.10	47.39	47.48	39.34	39.41	39.46
3180.1	49.13	49.79	50.48	39.03	39.11	39.21
3220.1	54.84	55.52	55.91	40.56	40.62	40.65
3280.1	48.59	48.54	48.40	39.23	39.22	39.20
3320.1	47.92	47.80	47.25	38.57	38.47	38.31
3360.1	48.57	48.15	47.54	36.44	36.31	36.17
3420.1	47.60	47.34	46.58	34.92	34.75	34.56
3460.1	57.20	56.61	55.75	34.50	34.33	34.17
3500.1	50.48	50.11	49.93	33.88	33.68	33.47
3560.1	55.52	56.52	58.31	33.31	33.13	32.97
3600.1	48.64	48.60	48.52	32.87	32.68	32.52
3640.1	47.33	47.26	47.23	32.69	32.51	32.37
3680.1	53.27	53.53	53.43	32.95	32.76	32.61
3740.1	47.95	48.26	48.60	32.89	32.69	32.53
3780.1	45.69	46.14	46.48	34.21	33.99	33.86
3820.1	47.99	48.96	49.89	34.48	34.25	34.08
3880.1	47.99	48.95	49.64	36.95	36.74	36.56
3920.1	47.61	48.66	49.24	36.95	36.78	36.68
3960.1	45.33	45.88	46.24	38.69	38.69	38.67
4020.1	42.51	43.01	43.43	37.65	37.86	37.99
4060.1	41.13	41.40	41.50	38.07	38.39	38.46
4100.1	41.40	41.80	42.12	36.80	37.11	37.32
4160.1	41.49	41.79	42.18	36.75	36.99	37.22
4200.1	41.59	42.01	42.33	35.27	35.45	35.60
4240.1	42.46	42.96	43.09	34.87	34.98	35.01
4280.1	42.98	43.72	44.81	34.41	34.53	34.66

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+21	+23	+25
2200.1	2500.1	44.25	43.91	43.52
2240.1	2540.1	44.17	44.02	43.86
2280.1	2580.1	43.89	43.74	43.61
2320.1	2620.1	43.23	43.00	42.87
2380.1	2680.1	42.54	42.26	42.01
2420.1	2720.1	41.96	41.61	41.35
2460.1	2760.1	41.43	41.18	40.93
2520.1	2820.1	40.96	40.74	40.53
2560.1	2860.1	40.68	40.43	40.19
2600.1	2900.1	40.05	39.82	39.60
2660.1	2960.1	40.29	40.10	39.84
2700.1	3000.1	40.33	40.14	39.95
2740.1	3040.1	40.54	40.38	40.17
2780.1	3080.1	40.99	40.80	40.55
2840.1	3140.1	41.00	40.83	40.65
2880.1	3180.1	41.66	41.48	41.20
2920.1	3220.1	41.16	40.98	40.83
2980.1	3280.1	41.32	41.14	40.92
3020.1	3320.1	40.79	40.66	40.72
3060.1	3360.1	41.18	41.04	40.86
3120.1	3420.1	40.49	40.43	40.53
3160.1	3460.1	40.02	39.97	39.92
3200.1	3500.1	39.33	39.32	39.56
3260.1	3560.1	37.94	37.92	37.91
3300.1	3600.1	37.79	37.81	38.02
3340.1	3640.1	37.04	37.06	37.32
3400.1	3700.1	37.07	37.06	37.04
3440.1	3740.1	36.67	36.59	36.53
3480.1	3780.1	37.06	37.01	37.18
3520.1	3820.1	37.15	37.15	37.30
3580.1	3880.1	37.23	37.19	37.06
3620.1	3920.1	37.95	37.99	38.12
3660.1	3960.1	38.02	38.13	38.20
3720.1	4020.1	38.69	38.77	38.84
3760.1	4060.1	38.81	38.97	39.05
3800.1	4100.1	39.23	39.37	39.53
3860.1	4160.1	38.75	38.96	39.15
3900.1	4200.1	38.35	38.58	38.71
3940.1	4240.1	37.28	37.38	37.46
3980.1	4280.1	36.21	36.24	36.34

Frequency Mixer

LAVI-ED14247/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)		
		@LO (dBm)		
		+21	+23	+25
2200.1	2500.1	1.48	1.41	1.36
2240.1	2540.1	1.46	1.41	1.37
2280.1	2580.1	1.40	1.35	1.33
2320.1	2620.1	1.33	1.29	1.26
2380.1	2680.1	1.26	1.23	1.22
2420.1	2720.1	1.22	1.19	1.18
2460.1	2760.1	1.21	1.19	1.18
2520.1	2820.1	1.17	1.16	1.17
2560.1	2860.1	1.17	1.18	1.19
2600.1	2900.1	1.15	1.17	1.20
2660.1	2960.1	1.17	1.20	1.24
2700.1	3000.1	1.17	1.21	1.25
2740.1	3040.1	1.19	1.23	1.28
2780.1	3080.1	1.19	1.24	1.29
2840.1	3140.1	1.22	1.27	1.32
2880.1	3180.1	1.23	1.28	1.35
2920.1	3220.1	1.24	1.30	1.36
2980.1	3280.1	1.25	1.31	1.37
3020.1	3320.1	1.26	1.32	1.39
3060.1	3360.1	1.26	1.32	1.39
3120.1	3420.1	1.33	1.39	1.46
3160.1	3460.1	1.35	1.41	1.48
3200.1	3500.1	1.40	1.47	1.54
3260.1	3560.1	1.42	1.48	1.55
3300.1	3600.1	1.48	1.55	1.64
3340.1	3640.1	1.49	1.56	1.63
3400.1	3700.1	1.53	1.61	1.69
3440.1	3740.1	1.54	1.61	1.69
3480.1	3780.1	1.56	1.65	1.70
3520.1	3820.1	1.62	1.71	1.78
3580.1	3880.1	1.65	1.75	1.81
3620.1	3920.1	1.71	1.80	1.86
3660.1	3960.1	1.73	1.83	1.88
3720.1	4020.1	1.83	1.93	2.02
3760.1	4060.1	1.85	1.97	2.00
3800.1	4100.1	1.94	2.05	2.14
3860.1	4160.1	1.97	2.08	2.19
3900.1	4200.1	2.04	2.16	2.24
3940.1	4240.1	2.05	2.17	2.20
3980.1	4280.1	2.16	2.29	2.40

LO (MHz)	LO VSWR (:1)		
	@LO (dBm)		
	+21	+23	+25
2500.1	8.37	7.24	5.89
2540.1	8.06	6.68	5.17
2580.1	8.58	7.55	6.22
2620.1	7.46	6.28	4.92
2680.1	7.74	6.92	5.84
2720.1	6.80	5.89	4.77
2760.1	6.76	6.01	4.98
2820.1	6.06	5.37	4.50
2860.1	5.91	5.40	4.71
2900.1	5.55	5.14	4.57
2960.1	4.91	4.61	4.20
3000.1	4.54	4.31	3.98
3040.1	3.99	3.75	3.42
3080.1	3.71	3.60	3.45
3140.1	3.03	2.92	2.77
3180.1	2.70	2.64	2.57
3220.1	2.33	2.27	2.18
3280.1	1.93	1.90	1.87
3320.1	1.71	1.67	1.64
3360.1	1.56	1.54	1.54
3420.1	1.48	1.49	1.49
3460.1	1.55	1.57	1.60
3500.1	1.67	1.70	1.72
3560.1	1.96	1.99	2.02
3600.1	2.20	2.23	2.25
3640.1	2.49	2.52	2.55
3680.1	2.69	2.67	2.61
3740.1	3.24	3.24	3.20
3780.1	3.40	3.28	3.12
3820.1	3.97	3.94	3.88
3880.1	4.09	3.83	3.52
3920.1	4.80	4.67	4.56
3960.1	4.69	4.35	4.11
4020.1	5.57	5.33	5.04
4060.1	5.32	4.82	4.61
4100.1	5.80	5.32	4.83
4160.1	5.81	5.19	4.42
4200.1	6.04	5.49	5.05
4240.1	6.35	5.92	5.82
4280.1	5.83	5.15	4.36

IF (OUT) (MHz)	IF VSWR @LO=3600.1MHz (:1)		
	@LO (dBm)		
	+21	+23	+25
30.1	3.63	3.64	3.67
40.1	2.68	2.70	2.73
60.1	1.94	1.97	2.02
70.1	1.77	1.82	1.87
80.1	1.62	1.68	1.74
90.1	1.53	1.59	1.67
110.1	1.39	1.46	1.54
120.1	1.34	1.41	1.49
130.1	1.33	1.40	1.48
140.1	1.33	1.40	1.48
160.1	1.35	1.41	1.48
170.1	1.37	1.42	1.48
180.1	1.39	1.43	1.49
190.1	1.43	1.46	1.51
210.1	1.55	1.57	1.59
220.1	1.59	1.60	1.62
230.1	1.61	1.61	1.62
240.1	1.63	1.63	1.63
260.1	1.68	1.66	1.65
270.1	1.71	1.68	1.67
280.1	1.77	1.73	1.70
290.1	1.84	1.80	1.76
310.1	1.91	1.86	1.82
320.1	1.93	1.87	1.83
330.1	1.96	1.90	1.85
340.1	2.00	1.93	1.87
360.1	2.05	1.97	1.89
370.1	2.08	1.99	1.91
380.1	2.12	2.03	1.94
390.1	2.16	2.06	1.97
410.1	2.19	2.08	1.99
420.1	2.24	2.13	2.03
430.1	2.27	2.16	2.05
440.1	2.31	2.19	2.07
460.1	2.37	2.24	2.12
470.1	2.41	2.28	2.15
480.1	2.43	2.30	2.17
500.1	2.47	2.33	2.20



ISO 9001 ISO 14001 AS 9100 CERTIFIED



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. X1

LAVI-ED14247/1

6/3/2011

Page 4 of 5

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	2.02	7.76	29.58	38.87	20.46	58.09	46.68	---	---	---
1	---	30.86	---	48.42	29.40	56.01	52.37	55.00	87.46	75.70	---	---
2	106.51	68.89	74.98	66.19	68.46	74.17	94.65	81.52	80.30	94.62	90.45	---
3	125.99	101.83	82.58	110.21	76.83	91.39	91.63	100.78	107.07	104.15	106.48	102.52
4	127.18	112.52	107.80	112.97	112.18	104.92	110.51	110.20	113.00	108.50	108.04	106.25
5	123.64	110.69	112.28	114.32	111.05	113.88	114.51	113.01	111.80	111.20	109.45	108.11
6	121.83	106.89	110.39	112.56	113.42	112.04	115.45	112.30	111.54	113.81	111.62	109.50
7	119.52	105.23	106.88	108.67	112.64	112.28	112.60	113.84	114.05	113.00	113.59	109.65
8	118.35	104.37	105.34	108.66	108.62	113.45	111.64	109.48	105.80	113.62	112.09	108.31
9	118.02	---	104.59	107.01	102.58	104.11	99.33	92.18	91.34	76.82	111.81	82.48
10	116.72	---	---	89.82	95.11	80.18	81.50	95.12	74.26	68.46	66.22	74.87
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3300 MHz; 0 dBm.
LO IN: 3600 MHz; +23.00 dBm
IF OUT: 300 MHz; -7.16 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	---	---	13.30	16.96	33.90	48.55	30.86	66.15	56.79	---	---	---
1	---	31.40	---	49.05	29.33	56.44	52.15	54.34	88.46	75.81	---	---
2	95.40	60.79	64.67	59.66	58.11	64.52	81.12	70.87	70.46	86.70	79.44	---
3	117.87	82.85	62.72	89.07	56.70	74.81	73.73	83.32	87.31	84.77	106.30	98.23
4	116.79	99.95	96.61	90.53	101.02	80.11	95.88	86.17	102.70	108.19	102.57	107.20
5	111.97	118.42	115.85	102.57	112.10	115.86	104.15	95.82	100.08	110.03	117.60	114.79
6	111.65	117.12	110.73	120.34	96.39	106.43	114.88	114.99	106.68	96.52	121.69	112.19
7	109.79	114.26	111.55	115.51	109.64	99.70	95.83	104.17	115.27	110.21	103.08	114.06
8	106.76	110.61	110.74	102.84	109.43	102.84	86.21	95.92	80.09	101.04	90.66	96.64
9	107.12	---	98.68	106.15	84.66	87.13	83.36	73.73	74.78	56.67	89.05	62.68
10	108.16	---	---	79.47	86.63	70.48	70.89	81.08	64.55	58.08	59.63	64.66
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 3300 MHz; 10 dBm.
LO IN: 3600 MHz; +23.00 dBm
IF OUT: 300 MHz; 2.77 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 represent the Harmonics level of the RF input signal to the mixer.

