

Frequency Mixer

SIM-43+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)		
		@LO (dBm)		
		+4	+7	+10
570.0	600.0	23.60	15.96	10.06
670.0	700.0	12.66	8.50	7.00
770.0	800.0	8.11	6.64	6.04
870.0	900.0	7.33	6.43	5.88
970.0	1000.0	7.26	6.62	6.10
1070.0	1100.0	6.68	6.24	5.89
1170.0	1200.0	6.32	6.11	6.00
1270.0	1300.0	6.27	6.09	5.99
1370.0	1400.0	6.12	5.88	5.82
1470.0	1500.0	6.03	5.71	5.64
1570.0	1600.0	6.16	5.83	5.67
1670.0	1700.0	6.24	5.93	5.79
1770.0	1800.0	6.35	6.03	5.90
1870.0	1900.0	6.29	6.03	5.91
1970.0	2000.0	6.42	6.16	6.04
2070.0	2100.0	6.43	6.13	6.00
2170.0	2200.0	6.58	6.22	6.02
2270.0	2300.0	6.58	6.14	5.94
2370.0	2400.0	6.10	5.70	5.54
2470.0	2500.0	6.62	6.04	5.77
2570.0	2600.0	7.06	6.37	5.99
2670.0	2700.0	6.48	5.84	5.52
2770.0	2800.0	6.20	5.66	5.37
2870.0	2900.0	5.92	5.36	5.16
2970.0	3000.0	5.59	5.20	5.10
3070.0	3100.0	5.45	5.19	5.13
3170.0	3200.0	5.44	5.22	5.19
3270.0	3300.0	5.58	5.40	5.38
3370.0	3400.0	5.82	5.58	5.52
3470.0	3500.0	6.17	5.83	5.71
3550.0	3580.0	6.33	5.93	5.80
3650.0	3680.0	6.55	6.13	5.94
3730.0	3760.0	6.51	6.06	5.88
3830.0	3860.0	6.87	6.32	6.08
3910.0	3940.0	7.31	6.67	6.36
4010.0	4040.0	7.39	6.67	6.41
4090.0	4120.0	7.56	6.67	6.38
4190.0	4220.0	8.12	6.94	6.58
4270.0	4300.0	8.61	6.88	6.44
4370.0	4400.0	10.43	7.80	6.94

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+4	+7	+10
570.0	600.0	-8.67	-4.26	4.06
670.0	700.0	-3.06	2.02	6.63
770.0	800.0	0.31	5.26	11.51
870.0	900.0	4.33	7.21	10.29
970.0	1000.0	3.72	4.90	6.51
1070.0	1100.0	5.98	8.08	10.22
1170.0	1200.0	7.99	9.38	9.93
1270.0	1300.0	9.11	10.05	11.84
1370.0	1400.0	14.34	12.11	11.61
1470.0	1500.0	12.54	10.02	13.60
1570.0	1600.0	12.59	15.61	16.48
1670.0	1700.0	14.06	13.81	16.19
1770.0	1800.0	14.37	13.55	16.39
1870.0	1900.0	12.21	16.73	20.03
1970.0	2000.0	17.85	16.47	16.27
2070.0	2100.0	15.17	15.32	15.21
2170.0	2200.0	13.92	13.35	13.57
2270.0	2300.0	10.08	11.56	12.75
2370.0	2400.0	9.27	10.08	11.87
2470.0	2500.0	12.14	20.98	13.91
2570.0	2600.0	7.38	8.01	10.15
2670.0	2700.0	6.46	7.45	7.54
2770.0	2800.0	4.36	5.34	6.70
2870.0	2900.0	5.49	10.21	12.18
2970.0	3000.0	9.81	12.63	13.31
3070.0	3100.0	11.76	13.87	15.06
3170.0	3200.0	14.07	15.15	16.58
3270.0	3300.0	14.49	16.02	15.91
3370.0	3400.0	15.08	17.17	18.13
3470.0	3500.0	16.01	13.88	15.64
3550.0	3580.0	14.37	14.79	14.27
3650.0	3680.0	19.07	14.62	13.53
3730.0	3760.0	17.48	17.54	15.16
3830.0	3860.0	16.48	17.41	17.28
3910.0	3940.0	10.40	12.24	13.64
4010.0	4040.0	11.60	13.91	14.72
4090.0	4120.0	11.37	13.19	15.18
4190.0	4220.0	11.00	12.96	15.25
4270.0	4300.0	12.07	15.72	16.99
4370.0	4400.0	8.07	20.10	18.80

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+1dBm (dB)		
		@LO (dBm)		
		+4	+7	+10
570.0	600.0	-8.08	-3.34	-0.03
670.0	700.0	0.08	1.56	1.08
770.0	800.0	2.89	2.23	1.73
870.0	900.0	2.24	2.12	1.92
970.0	1000.0	1.67	1.51	1.42
1070.0	1100.0	1.53	1.28	1.06
1170.0	1200.0	1.14	0.89	0.71
1270.0	1300.0	0.79	0.60	0.49
1370.0	1400.0	0.68	0.46	0.35
1470.0	1500.0	0.67	0.54	0.41
1570.0	1600.0	0.64	0.48	0.38
1670.0	1700.0	0.65	0.45	0.34
1770.0	1800.0	0.64	0.41	0.23
1870.0	1900.0	0.62	0.33	0.21
1970.0	2000.0	0.57	0.33	0.23
2070.0	2100.0	0.63	0.40	0.28
2170.0	2200.0	0.68	0.49	0.36
2270.0	2300.0	0.70	0.53	0.42
2370.0	2400.0	0.83	0.55	0.42
2470.0	2500.0	0.81	0.57	0.39
2570.0	2600.0	0.90	0.77	0.66
2670.0	2700.0	1.00	0.96	0.94
2770.0	2800.0	1.11	0.95	0.85
2870.0	2900.0	1.06	0.84	0.65
2970.0	3000.0	0.95	0.57	0.48
3070.0	3100.0	0.76	0.39	0.31
3170.0	3200.0	0.70	0.33	0.23
3270.0	3300.0	0.76	0.36	0.21
3370.0	3400.0	0.95	0.58	0.38
3470.0	3500.0	0.86	0.55	0.38
3550.0	3580.0	0.77	0.47	0.33
3650.0	3680.0	0.61	0.43	0.32
3730.0	3760.0	0.62	0.45	0.32
3830.0	3860.0	0.79	0.56	0.44
3910.0	3940.0	0.73	0.58	0.53
4010.0	4040.0	0.67	0.55	0.51
4090.0	4120.0	0.66	0.49	0.40
4190.0	4220.0	0.66	0.49	0.38
4270.0	4300.0	0.61	0.60	0.46
4370.0	4400.0	0.12	0.61	0.48

REV. X3

SIM-43+

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2475MHz (dB)
		@LO (dBm) +7
1390.0	1085.0	10.63
1313.3	1161.7	9.27
1236.7	1238.3	7.32
1160.0	1315.0	6.50
1083.3	1391.7	6.88
1006.7	1468.3	7.59
930.0	1545.0	8.49
853.3	1621.7	9.26
776.7	1698.3	8.88
700.0	1775.0	7.79
623.3	1851.7	7.20
546.7	1928.3	6.80
470.0	2005.0	6.49
393.3	2081.7	6.28
316.7	2158.3	5.96
240.0	2235.0	5.57
163.3	2311.7	5.55
86.7	2388.3	5.65
10.0	2465.0	6.07
51.7	2526.7	6.22
135.0	2610.0	6.62
197.5	2672.5	7.16
280.8	2755.8	7.27
343.3	2818.3	7.11
426.7	2901.7	6.60
489.2	2964.2	6.48
572.5	3047.5	6.60
635.0	3110.0	6.58
718.3	3193.3	6.62
780.8	3255.8	6.65
864.2	3339.2	6.89
926.7	3401.7	6.94
1010.0	3485.0	6.91
1072.5	3547.5	6.99
1155.8	3630.8	7.12
1218.3	3693.3	7.38
1301.7	3776.7	7.69
1364.2	3839.2	8.12
1447.5	3922.5	9.11
1510.0	3985.0	10.05

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=739.9MHz (dB)
		@LO (dBm) +7
10.1	750.0	7.43
50.1	790.0	6.78
90.1	830.0	6.71
130.1	870.0	6.73
170.1	910.0	6.69
210.1	950.0	6.70
250.1	990.0	6.80
290.1	1030.0	6.78
330.1	1070.0	6.47
370.1	1110.0	6.39
410.1	1150.0	6.49
450.1	1190.0	6.51
490.1	1230.0	6.39
530.1	1270.0	6.30
570.1	1310.0	6.37
610.1	1350.0	6.51
650.1	1390.0	6.57
690.1	1430.0	6.74
730.1	1470.0	6.74
770.1	1510.0	6.87
810.1	1550.0	7.02
850.1	1590.0	7.15
890.1	1630.0	7.28
930.1	1670.0	7.23
970.1	1710.0	7.44
1010.1	1750.0	7.41
1050.1	1790.0	7.37
1090.1	1830.0	7.43
1130.1	1870.0	7.58
1170.1	1910.0	7.54
1210.1	1950.0	7.44
1250.1	1990.0	7.53
1290.1	2030.0	7.78
1330.1	2070.0	8.07
1370.1	2110.0	8.41
1410.1	2150.0	8.75
1450.1	2190.0	8.82
1510.1	2250.0	9.46
1550.1	2290.0	9.86
1610.1	2350.0	10.74

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=4210.1MHz (dB)
		@LO (dBm) +7
1410.1	2800.0	10.84
1370.1	2840.0	10.30
1330.1	2880.0	9.78
1290.1	2920.0	9.31
1250.1	2960.0	9.12
1210.1	3000.0	9.45
1170.1	3040.0	9.31
1130.1	3080.0	8.89
1090.1	3120.0	8.72
1050.1	3160.0	8.53
1010.1	3200.0	8.50
970.1	3240.0	8.46
930.1	3280.0	8.39
890.1	3320.0	8.37
850.1	3360.0	8.24
810.1	3400.0	8.28
770.1	3440.0	8.25
730.1	3480.0	8.33
690.1	3520.0	8.48
650.1	3560.0	8.49
610.1	3600.0	8.48
570.1	3640.0	8.37
530.1	3680.0	8.17
490.1	3720.0	8.14
450.1	3760.0	8.14
430.1	3780.0	7.97
390.1	3820.0	7.83
370.1	3840.0	7.75
330.1	3880.0	7.54
310.1	3900.0	7.51
270.1	3940.0	7.25
250.1	3960.0	7.15
210.1	4000.0	7.07
190.1	4020.0	6.98
150.1	4060.0	6.98
130.1	4080.0	7.04
90.1	4120.0	7.02
70.1	4140.0	7.05
30.1	4180.0	7.09
10.1	4200.0	7.18

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+4	+7	+10	+4	+7	+10
600.0	55.92	56.18	54.79	27.29	27.31	27.38
700.0	52.39	49.07	43.42	24.77	24.91	25.86
800.0	41.86	39.23	38.87	22.65	24.23	26.50
900.0	36.90	37.20	37.73	22.76	25.18	27.66
1000.0	40.29	40.75	41.36	24.26	26.76	29.02
1100.0	43.98	44.23	44.19	26.29	28.76	30.66
1200.0	41.50	40.60	39.74	28.84	30.81	31.35
1300.0	39.51	37.29	35.97	31.60	32.58	31.75
1400.0	37.77	35.23	33.40	33.94	35.37	35.09
1500.0	36.03	33.76	31.65	33.72	37.63	41.69
1600.0	35.21	33.45	32.22	28.15	29.55	30.64
1700.0	35.27	33.67	32.93	24.85	25.60	25.77
1800.0	35.54	34.69	33.48	19.82	20.63	20.83
1900.0	35.41	34.22	32.86	15.16	16.10	16.65
2000.0	34.92	34.00	33.07	11.70	12.96	13.89
2100.0	34.91	33.71	32.77	10.47	11.88	13.11
2200.0	35.13	33.89	32.80	10.70	12.33	13.79
2300.0	34.16	32.71	31.50	11.66	13.38	15.04
2400.0	33.36	31.42	29.92	12.92	14.66	16.47
2500.0	34.93	33.00	31.62	14.17	15.94	17.77
2600.0	33.08	30.60	29.26	15.58	17.23	18.78
2700.0	33.15	30.35	28.02	17.21	18.71	19.92
2800.0	32.30	29.43	27.28	18.74	19.47	19.85
2900.0	33.26	29.70	26.83	20.48	20.39	20.30
3000.0	31.69	28.59	26.08	22.92	22.44	21.61
3100.0	29.82	27.29	25.17	26.25	24.89	23.53
3200.0	28.91	26.51	24.94	29.66	27.57	26.34
3300.0	28.55	26.47	25.04	28.48	27.29	26.42
3400.0	28.85	27.33	25.99	25.88	26.05	26.06
3500.0	27.26	26.14	25.09	24.62	24.80	25.34
3580.0	26.32	25.66	24.80	22.17	22.48	22.84
3680.0	25.51	25.13	24.31	19.18	19.83	20.41
3760.0	25.35	25.37	24.13	17.97	18.68	19.36
3860.0	26.16	25.52	24.84	18.87	19.50	20.45
3940.0	26.41	25.60	24.85	19.93	20.31	21.18
4040.0	26.71	26.03	25.33	17.44	18.19	19.51
4120.0	26.43	25.84	25.25	15.86	16.50	17.75
4220.0	26.92	25.94	25.06	15.41	16.04	17.27
4300.0	28.22	27.16	25.73	15.00	15.48	16.54
4400.0	29.23	28.83	26.70	14.53	15.22	15.78

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+4	+7	+10
570.0	600.0	28.14	26.81	23.23
670.0	700.0	24.32	21.44	17.18
770.0	800.0	17.50	14.63	13.54
870.0	900.0	13.53	12.70	12.18
970.0	1000.0	14.62	13.82	13.26
1070.0	1100.0	17.33	16.45	15.85
1170.0	1200.0	20.33	19.82	19.52
1270.0	1300.0	22.96	22.65	22.31
1370.0	1400.0	24.14	24.35	24.79
1470.0	1500.0	24.69	24.63	24.84
1570.0	1600.0	25.38	25.92	26.12
1670.0	1700.0	25.20	25.51	25.78
1770.0	1800.0	26.77	26.80	26.55
1870.0	1900.0	29.08	28.67	28.37
1970.0	2000.0	34.15	33.77	33.39
2070.0	2100.0	39.01	38.18	37.77
2170.0	2200.0	36.98	36.73	37.03
2270.0	2300.0	38.34	38.79	39.13
2370.0	2400.0	38.30	37.95	37.75
2470.0	2500.0	38.33	38.73	38.98
2570.0	2600.0	32.99	32.69	32.79
2670.0	2700.0	30.31	29.41	28.77
2770.0	2800.0	27.29	26.95	26.80
2870.0	2900.0	25.79	24.64	24.40
2970.0	3000.0	25.09	24.79	24.83
3070.0	3100.0	24.35	23.91	23.81
3170.0	3200.0	23.85	23.18	22.80
3270.0	3300.0	26.21	25.76	25.77
3370.0	3400.0	22.67	21.86	21.29
3470.0	3500.0	20.22	19.69	19.41
3550.0	3580.0	20.00	19.36	19.27
3650.0	3680.0	21.61	20.82	20.49
3730.0	3760.0	22.56	21.14	20.45
3830.0	3860.0	25.08	24.04	23.61
3910.0	3940.0	30.71	29.56	29.65
4010.0	4040.0	42.15	40.14	37.65
4090.0	4120.0	29.87	28.12	27.21
4190.0	4220.0	25.99	23.70	22.44
4270.0	4300.0	26.06	23.19	21.56
4370.0	4400.0	28.82	27.06	26.34

Frequency Mixer

SIM-43+

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=4200MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+4	+7	+10		+4	+7	+10		+4	+7	+10
570.0	600.0	12.35	8.08	4.87	600.0	32.79	32.18	28.96	10.0	1.27	1.11	1.37
670.0	700.0	4.30	3.08	2.98	700.0	25.19	20.95	14.26	50.0	1.32	1.15	1.37
770.0	800.0	2.35	2.07	1.93	800.0	11.93	7.97	7.25	90.0	1.40	1.23	1.41
870.0	900.0	2.07	1.82	1.66	900.0	4.22	4.25	4.91	130.0	1.51	1.31	1.44
970.0	1000.0	2.64	2.42	2.24	1000.0	2.23	2.78	3.56	170.0	1.61	1.41	1.50
1070.0	1100.0	3.01	2.85	2.72	1100.0	1.35	1.89	2.54	210.0	1.75	1.49	1.55
1170.0	1200.0	3.12	3.05	3.01	1200.0	1.13	1.36	1.87	250.0	1.93	1.60	1.61
1270.0	1300.0	3.13	3.05	3.02	1300.0	1.47	1.07	1.47	290.0	2.11	1.70	1.66
1370.0	1400.0	3.19	2.92	2.79	1400.0	1.64	1.12	1.40	330.0	2.34	1.84	1.75
1470.0	1500.0	3.18	2.84	2.55	1500.0	1.73	1.40	1.66	370.0	2.55	1.96	1.83
1570.0	1600.0	3.12	2.80	2.56	1600.0	1.78	1.69	2.03	410.0	2.82	2.14	1.94
1670.0	1700.0	3.12	2.75	2.49	1700.0	1.79	1.93	2.39	450.0	3.04	2.28	2.03
1770.0	1800.0	3.07	2.63	2.41	1800.0	1.68	1.98	2.49	490.0	3.30	2.45	2.14
1870.0	1900.0	2.91	2.61	2.44	1900.0	1.44	1.88	2.50	530.0	3.56	2.62	2.27
1970.0	2000.0	3.07	2.82	2.67	2000.0	1.30	1.83	2.46	570.0	3.80	2.77	2.34
2070.0	2100.0	3.11	2.85	2.68	2100.0	1.36	1.82	2.42	610.0	4.09	2.98	2.49
2170.0	2200.0	3.16	2.92	2.76	2200.0	1.61	1.90	2.42	650.0	4.27	3.05	2.52
2270.0	2300.0	3.14	2.83	2.63	2300.0	1.93	2.01	2.42	690.0	4.55	3.26	2.67
2370.0	2400.0	2.52	2.18	2.00	2400.0	2.27	2.14	2.39	730.0	4.69	3.34	2.71
2470.0	2500.0	2.73	2.44	2.22	2500.0	2.46	2.14	2.30	770.0	4.89	3.46	2.82
2570.0	2600.0	2.98	2.62	2.44	2600.0	2.70	2.08	2.05	810.0	5.10	3.62	2.96
2670.0	2700.0	2.78	2.42	2.12	2700.0	2.64	2.00	1.95	850.0	5.06	3.56	2.91
2770.0	2800.0	2.42	2.14	1.91	2800.0	2.48	1.67	1.51	890.0	5.33	3.81	3.15
2870.0	2900.0	2.04	1.74	1.64	2900.0	2.43	1.55	1.29	930.0	5.17	3.68	3.05
2970.0	3000.0	1.79	1.65	1.60	3000.0	2.45	1.54	1.22	970.0	5.36	3.88	3.24
3070.0	3100.0	1.69	1.60	1.58	3100.0	2.29	1.44	1.15	1010.0	5.30	3.85	3.21
3170.0	3200.0	1.63	1.51	1.48	3200.0	2.05	1.31	1.14	1050.0	5.28	3.90	3.34
3270.0	3300.0	1.62	1.46	1.39	3300.0	1.80	1.19	1.23	1090.0	5.39	4.01	3.46
3370.0	3400.0	1.81	1.62	1.51	3400.0	1.58	1.09	1.37	1130.0	5.28	3.98	3.50
3470.0	3500.0	2.04	1.81	1.69	3500.0	1.47	1.20	1.53	1170.0	5.34	4.13	3.70
3550.0	3580.0	2.18	1.92	1.77	3580.0	1.47	1.35	1.68	1210.0	5.28	4.14	3.80
3650.0	3680.0	2.50	2.25	2.07	3680.0	1.61	1.56	1.88	1250.0	5.30	4.31	4.08
3730.0	3760.0	2.55	2.26	2.06	3760.0	1.82	1.76	2.05	1290.0	5.19	4.34	4.19
3830.0	3860.0	2.68	2.39	2.18	3860.0	2.20	2.01	2.22	1330.0	5.27	4.62	4.60
3910.0	3940.0	3.14	2.82	2.61	3940.0	2.67	2.31	2.41	1370.0	5.20	4.72	4.77
4010.0	4040.0	3.30	2.94	2.74	4040.0	3.48	2.77	2.66	1390.0	5.19	4.78	4.88
4090.0	4120.0	3.40	2.95	2.73	4120.0	4.24	3.20	2.87	1430.0	5.39	5.28	5.54
4190.0	4220.0	3.60	3.07	2.80	4220.0	5.23	3.70	3.06	1450.0	5.31	5.27	5.54
4270.0	4300.0	3.85	3.08	2.73	4300.0	6.32	4.21	3.12	1490.0	5.41	5.68	6.13
4370.0	4400.0	4.70	3.70	3.23	4400.0	7.56	5.22	3.50	1510.0	5.56	5.99	6.49



Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+11	7	17	23	29	64	31	43	43	---
1	-	32	+0	41	17	34	34	67	56	>70	53	63
2	89	52	57	54	53	63	56	59	69	>70	>70	>70
3	>90	66	>70	>70	66	>70	>70	>70	67	>70	>70	>70
4	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
5	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
6	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
7	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
8	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
9	>90	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70	>70
10	---	---	>70	65	>70	>70	>70	>70	>70	>70	>70	>70
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

Test conditions: RF IN: 2475 MHz; -14.00 dBm.
 LO IN: 2505 MHz; +7.00 dBm
 IF OUT: 30 MHz; -20.33 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	+1	18	28	36	40	68	43	54	54	---
1	-	32	+0	43	17	38	35	66	53	72	58	65
2	68	46	51	54	44	55	46	53	60	77	62	70
3	>90	46	50	65	54	59	59	52	54	78	72	>80
4	>90	76	74	64	64	61	65	71	70	69	>80	>80
5	>90	73	69	76	64	>80	58	>80	66	73	67	>80
6	>90	>80	>80	>80	>80	>80	>80	76	77	>80	77	>80
7	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
8	89	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
9	>90	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80	>80
10	---	---	>80	78	>80	>80	>80	>80	>80	>80	>80	>80
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 2475 MHz; -4.00 dBm.
 LO IN: 2505 MHz; +7.00 dBm
 IF OUT: 30 MHz; -10.25 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.