

Frequency Mixer

HUD-ED9720/1

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=110MHz (dB)		
		@LO (dBm)		
		+18	+20	+22
1620.1	1730.1	12.55	11.21	10.31
1640.1	1750.1	11.89	10.62	9.76
1660.1	1770.1	11.48	10.27	9.47
1680.1	1790.1	11.21	10.04	9.26
1700.1	1810.1	10.93	9.81	9.06
1720.1	1830.1	10.46	9.42	8.73
1740.1	1850.1	9.92	9.00	8.39
1760.1	1870.1	9.59	8.74	8.20
1780.1	1890.1	9.41	8.62	8.10
1800.1	1910.1	9.24	8.48	8.01
1820.1	1930.1	8.91	8.23	7.82
1840.1	1950.1	8.58	8.00	7.64
1860.1	1970.1	8.42	7.90	7.57
1880.1	1990.1	8.38	7.89	7.59
1900.1	2010.1	8.26	7.86	7.60
1920.1	2030.1	8.07	7.74	7.54
1940.1	2050.1	7.91	7.63	7.44
1970.1	2080.1	7.88	7.66	7.52
1990.1	2100.1	7.91	7.74	7.62
2020.1	2130.1	7.87	7.74	7.67
2040.1	2150.1	7.83	7.74	7.69
2070.1	2180.1	7.91	7.85	7.83
2090.1	2200.1	8.02	7.99	8.00
2120.1	2230.1	8.05	8.03	8.04
2140.1	2250.1	8.03	8.00	8.01
2170.1	2280.1	8.17	8.14	8.15
2190.1	2300.1	8.31	8.27	8.27
2220.1	2330.1	8.34	8.27	8.24
2240.1	2350.1	8.32	8.23	8.20
2270.1	2380.1	8.40	8.30	8.25
2290.1	2400.1	8.53	8.39	8.33
2320.1	2430.1	8.68	8.49	8.38
2340.1	2450.1	8.70	8.50	8.38
2370.1	2480.1	8.88	8.66	8.51
2390.1	2500.1	9.20	8.92	8.73
2420.1	2530.1	9.60	9.26	9.02
2440.1	2550.1	9.72	9.39	9.15
2470.1	2580.1	10.24	9.86	9.60
2490.1	2600.1	10.81	10.41	10.14
2520.1	2630.1	11.47	11.10	10.87

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+18	+20	+22
1620.1	1730.1	16.80	18.47	20.56
1640.1	1750.1	16.35	18.92	21.72
1660.1	1770.1	16.69	19.53	22.67
1680.1	1790.1	16.84	19.92	23.29
1700.1	1810.1	16.83	20.01	23.37
1720.1	1830.1	17.16	20.38	23.69
1740.1	1850.1	18.13	21.47	24.70
1760.1	1870.1	19.03	22.37	25.34
1780.1	1890.1	19.48	22.69	25.77
1800.1	1910.1	19.78	23.04	26.01
1820.1	1930.1	20.64	23.85	26.84
1840.1	1950.1	22.06	25.28	28.36
1860.1	1970.1	22.92	26.09	28.96
1880.1	1990.1	23.43	26.58	29.67
1900.1	2010.1	24.14	27.15	30.22
1920.1	2030.1	25.57	28.81	32.01
1940.1	2050.1	27.14	30.08	33.52
1970.1	2080.1	28.30	31.59	35.16
1990.1	2100.1	29.20	32.43	36.07
2020.1	2130.1	31.59	34.77	39.82
2040.1	2150.1	32.35	35.46	41.47
2070.1	2180.1	33.58	36.65	42.95
2090.1	2200.1	33.97	37.20	43.38
2120.1	2230.1	35.09	38.07	42.95
2140.1	2250.1	34.29	37.26	42.15
2170.1	2280.1	33.61	36.51	40.14
2190.1	2300.1	33.10	36.19	38.65
2220.1	2330.1	31.58	34.90	37.28
2240.1	2350.1	30.93	34.39	36.64
2270.1	2380.1	29.88	33.39	35.92
2290.1	2400.1	28.61	31.86	34.76
2320.1	2430.1	27.24	30.07	33.08
2340.1	2450.1	26.82	29.68	32.52
2370.1	2480.1	25.81	28.51	31.52
2390.1	2500.1	24.75	27.44	30.16
2420.1	2530.1	24.09	26.55	29.41
2440.1	2550.1	24.03	26.37	29.07
2470.1	2580.1	22.94	25.58	28.27
2490.1	2600.1	22.25	24.88	27.53
2520.1	2630.1	22.08	24.64	27.00

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+17dBm (dB)		
		@LO (dBm)		
		+18	+20	+22
1620.1	1730.1	-0.45	0.23	0.43
1640.1	1750.1	-0.10	0.48	0.58
1660.1	1770.1	0.12	0.61	0.60
1680.1	1790.1	0.29	0.67	0.60
1700.1	1810.1	0.38	0.71	0.59
1720.1	1830.1	0.49	0.72	0.57
1740.1	1850.1	0.62	0.70	0.48
1760.1	1870.1	0.61	0.60	0.40
1780.1	1890.1	0.61	0.55	0.37
1800.1	1910.1	0.59	0.52	0.35
1820.1	1930.1	0.58	0.47	0.31
1840.1	1950.1	0.53	0.40	0.27
1860.1	1970.1	0.47	0.35	0.24
1880.1	1990.1	0.45	0.33	0.22
1900.1	2010.1	0.42	0.30	0.21
1920.1	2030.1	0.37	0.25	0.17
1940.1	2050.1	0.30	0.22	0.14
1970.1	2080.1	0.26	0.18	0.11
1990.1	2100.1	0.22	0.15	0.09
2020.1	2130.1	0.16	0.11	0.06
2040.1	2150.1	0.14	0.09	0.05
2070.1	2180.1	0.11	0.07	0.04
2090.1	2200.1	0.09	0.06	0.03
2120.1	2230.1	0.08	0.05	0.03
2140.1	2250.1	0.08	0.05	0.03
2170.1	2280.1	0.08	0.05	0.03
2190.1	2300.1	0.08	0.05	0.03
2220.1	2330.1	0.10	0.06	0.04
2240.1	2350.1	0.12	0.07	0.04
2270.1	2380.1	0.14	0.08	0.05
2290.1	2400.1	0.17	0.10	0.06
2320.1	2430.1	0.22	0.14	0.09
2340.1	2450.1	0.22	0.14	0.09
2370.1	2480.1	0.25	0.17	0.10
2390.1	2500.1	0.29	0.21	0.13
2420.1	2530.1	0.29	0.22	0.14
2440.1	2550.1	0.27	0.21	0.15
2470.1	2580.1	0.24	0.22	0.17
2490.1	2600.1	0.20	0.20	0.16
2520.1	2630.1	0.18	0.17	0.14

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2130.1001MHz (dB)
		@LO (dBm) +20
510.0	1620.1	11.34
489.2	1640.9	11.19
468.3	1661.8	10.78
447.5	1682.6	10.54
426.7	1703.4	10.49
405.8	1724.3	10.40
385.0	1745.1	10.13
364.2	1765.9	9.75
343.3	1786.8	9.52
322.5	1807.6	9.42
301.7	1828.4	9.24
280.8	1849.3	9.01
260.0	1870.1	8.83
239.2	1890.9	8.80
218.3	1911.8	8.76
197.5	1932.6	8.59
176.7	1953.4	8.42
155.8	1974.3	8.31
135.0	1995.1	8.26
114.2	2015.9	8.16
72.5	2057.6	7.93
51.7	2078.4	7.91
10.0	2120.1	8.26
10.0	2140.1	8.36
50.0	2180.1	7.92
70.0	2200.1	7.93
110.0	2240.1	8.01
130.0	2260.1	8.04
170.0	2300.1	8.08
190.0	2320.1	8.14
230.0	2360.1	8.17
250.0	2380.1	8.15
290.0	2420.1	8.22
310.0	2440.1	8.28
350.0	2480.1	8.47
370.0	2500.1	8.68
410.0	2540.1	9.08
430.0	2560.1	9.33
470.0	2600.1	10.16
490.0	2620.1	10.67

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2010.1MHz (dB)
		@LO (dBm) +20
10.0	2020.1	8.42
30.0	2040.1	7.93
50.0	2060.1	7.80
70.0	2080.1	7.77
90.0	2100.1	7.75
100.0	2110.1	7.77
120.0	2130.1	7.76
130.0	2140.1	7.78
150.0	2160.1	7.81
160.0	2170.1	7.84
180.0	2190.1	7.86
190.0	2200.1	7.88
210.0	2220.1	7.95
220.0	2230.1	7.96
240.0	2250.1	7.99
250.0	2260.1	8.00
270.0	2280.1	7.98
280.0	2290.1	7.98
300.0	2310.1	8.00
310.0	2320.1	8.03
330.0	2340.1	8.06
340.0	2350.1	8.07
360.0	2370.1	8.10
370.0	2380.1	8.14
390.0	2400.1	8.23
400.0	2410.1	8.26
420.0	2430.1	8.39
430.0	2440.1	8.45
450.0	2460.1	8.55
460.0	2470.1	8.63
480.0	2490.1	8.86
490.0	2500.1	8.97
510.0	2520.1	9.18
520.0	2530.1	9.30
540.0	2550.1	9.54
550.0	2560.1	9.69
570.0	2580.1	10.10
580.0	2590.1	10.34
600.0	2610.1	10.89
610.0	2620.1	11.21

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=2250.1001MHz (dB)
		@LO (dBm) +20
650.0	1600.1	11.98
630.0	1620.1	11.89
610.0	1640.1	11.71
590.0	1660.1	11.36
570.0	1680.1	11.12
550.0	1700.1	11.05
530.0	1720.1	11.02
510.0	1740.1	10.79
490.0	1760.1	10.46
470.0	1780.1	10.21
450.0	1800.1	10.03
430.0	1820.1	9.88
410.0	1840.1	9.59
400.0	1850.1	9.42
380.0	1870.1	9.23
370.0	1880.1	9.18
350.0	1900.1	9.11
340.0	1910.1	9.10
320.0	1930.1	9.01
310.0	1940.1	8.91
290.0	1960.1	8.74
280.0	1970.1	8.72
260.0	1990.1	8.67
250.0	2000.1	8.65
230.0	2020.1	8.52
220.0	2030.1	8.45
200.0	2050.1	8.28
190.0	2060.1	8.25
170.0	2080.1	8.16
160.0	2090.1	8.11
140.0	2110.1	8.06
130.0	2120.1	8.01
110.0	2140.1	7.93
100.0	2150.1	7.93
80.0	2170.1	7.90
70.0	2180.1	7.89
50.0	2200.1	7.95
40.0	2210.1	7.97
20.0	2230.1	8.08
10.0	2240.1	8.44

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+18	+20	+22	+18	+20	+22
1730.1	47.93	47.45	47.01	39.52	38.95	38.58
1750.1	48.42	47.79	47.23	39.40	38.89	38.58
1770.1	49.16	48.36	47.77	39.06	38.56	38.18
1790.1	49.21	48.39	47.56	38.78	38.31	37.89
1810.1	48.97	48.06	47.38	38.42	37.96	37.63
1830.1	48.06	47.20	46.47	38.06	37.62	37.27
1850.1	47.46	46.76	46.17	37.55	37.16	36.82
1870.1	46.19	45.44	44.99	37.10	36.69	36.45
1890.1	45.82	45.31	44.96	36.74	36.39	36.12
1910.1	45.09	44.59	44.26	36.53	36.19	36.00
1930.1	44.97	44.60	44.43	36.16	35.79	35.62
1950.1	44.28	43.98	43.88	35.86	35.58	35.43
1970.1	44.02	43.79	43.78	35.58	35.31	35.16
1990.1	43.90	43.75	43.87	35.43	35.21	35.11
2010.1	43.76	43.82	44.02	35.42	35.35	35.29
2030.1	43.80	43.89	44.26	35.30	35.21	35.20
2050.1	43.58	43.58	43.85	35.46	35.55	35.54
2080.1	44.11	44.26	44.57	35.92	35.96	36.10
2100.1	44.60	44.79	45.07	36.47	36.59	36.65
2130.1	45.14	45.32	45.59	38.04	38.39	38.70
2150.1	46.00	46.25	46.54	39.80	40.35	40.84
2180.1	46.72	46.84	46.99	45.22	47.12	49.16
2200.1	47.00	47.03	47.05	52.98	60.53	66.91
2230.1	45.55	45.36	45.14	45.77	44.50	42.91
2250.1	45.01	44.63	44.64	40.66	39.68	38.93
2280.1	43.40	43.04	43.10	36.61	36.00	35.51
2300.1	42.53	42.31	42.42	35.08	34.64	34.31
2330.1	40.79	40.73	40.80	33.66	33.37	33.21
2350.1	39.94	39.98	40.15	33.12	32.94	32.94
2380.1	38.58	38.61	38.80	32.46	32.31	32.38
2400.1	37.70	37.74	37.91	32.06	31.95	32.07
2430.1	36.35	36.58	36.70	31.42	31.48	31.55
2450.1	35.58	35.92	35.98	30.93	31.09	31.21
2480.1	35.11	35.40	35.46	30.44	30.55	30.62
2500.1	34.37	34.69	34.72	30.00	30.20	30.33
2530.1	33.72	34.02	34.01	29.71	29.87	29.96
2550.1	33.19	33.46	33.56	29.45	29.54	29.69
2580.1	32.83	33.19	33.30	29.10	29.24	29.39
2600.1	32.42	32.76	32.97	28.80	28.99	29.12
2630.1	32.21	32.68	32.83	28.46	28.74	28.88

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+18	+20	+22
1620.1	1730.1	36.92	36.49	37.77
1640.1	1750.1	35.61	35.45	36.64
1660.1	1770.1	35.02	35.37	37.03
1680.1	1790.1	34.77	35.08	36.55
1700.1	1810.1	34.42	34.67	35.99
1720.1	1830.1	34.58	35.07	36.56
1740.1	1850.1	34.22	34.52	35.61
1760.1	1870.1	34.69	35.43	37.07
1780.1	1890.1	34.47	34.87	36.00
1800.1	1910.1	34.92	35.56	36.94
1820.1	1930.1	35.13	35.68	36.85
1840.1	1950.1	35.49	36.16	37.35
1860.1	1970.1	36.18	36.97	38.20
1880.1	1990.1	36.55	37.18	38.26
1900.1	2010.1	37.66	38.37	39.46
1920.1	2030.1	38.57	39.22	40.07
1940.1	2050.1	40.20	40.89	41.44
1970.1	2080.1	42.28	42.72	42.81
1990.1	2100.1	43.52	43.46	42.62
2020.1	2130.1	44.45	43.95	43.28
2040.1	2150.1	43.45	42.96	42.49
2070.1	2180.1	41.09	40.93	40.83
2090.1	2200.1	39.31	39.30	39.29
2120.1	2230.1	36.94	37.03	37.14
2140.1	2250.1	35.71	35.80	35.94
2170.1	2280.1	34.35	34.48	34.60
2190.1	2300.1	33.60	33.75	33.78
2220.1	2330.1	32.85	33.07	33.09
2240.1	2350.1	32.53	32.76	32.81
2270.1	2380.1	32.13	32.35	32.48
2290.1	2400.1	31.88	32.18	32.25
2320.1	2430.1	31.62	31.99	32.20
2340.1	2450.1	31.43	31.79	31.89
2370.1	2480.1	31.20	31.55	31.74
2390.1	2500.1	30.92	31.25	31.36
2420.1	2530.1	30.87	31.20	31.40
2440.1	2550.1	30.72	31.02	31.04
2470.1	2580.1	30.64	31.01	31.14
2490.1	2600.1	30.46	30.85	30.91
2520.1	2630.1	30.54	31.02	31.21

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)				IF (OUT) (MHz)	IF VSWR @LO=2360.1001MHz (:1)			
		@LO (dBm)				@LO (dBm)					@LO (dBm)			
		+18	+20	+22		+18	+20	+22	+18		+20	+22		
1620.1	1650.1	3.98	3.60	3.37	1730.1	22.87	21.20	19.11	10.1	1.07	1.03	1.10		
1640.1	1670.1	3.57	3.24	3.03	1750.1	23.49	22.29	20.95	70.1	1.12	1.06	1.09		
1660.1	1690.1	3.25	2.93	2.73	1770.1	22.58	21.20	19.76	130.1	1.18	1.12	1.13		
1680.1	1710.1	3.12	2.79	2.58	1790.1	19.98	18.50	16.56	190.1	1.26	1.18	1.15		
1700.1	1730.1	2.94	2.61	2.40	1810.1	18.90	17.22	15.13	250.1	1.36	1.26	1.21		
1720.1	1750.1	2.59	2.30	2.13	1830.1	19.32	18.11	16.41	310.1	1.51	1.39	1.33		
1740.1	1770.1	2.25	2.01	1.87	1850.1	19.54	18.50	17.39	370.1	1.64	1.51	1.42		
1760.1	1790.1	2.04	1.82	1.68	1870.1	17.93	16.89	15.81	430.1	1.82	1.67	1.58		
1780.1	1810.1	1.93	1.72	1.59	1890.1	15.81	14.50	12.99	490.1	2.01	1.85	1.75		
1800.1	1830.1	1.80	1.61	1.49	1910.1	14.62	13.39	11.93	550.1	2.16	2.00	1.89		
1820.1	1850.1	1.61	1.46	1.38	1930.1	14.50	13.49	12.52	610.1	2.36	2.20	2.09		
1840.1	1870.1	1.44	1.32	1.27	1950.1	13.81	13.09	12.35	670.1	2.59	2.43	2.33		
1860.1	1890.1	1.34	1.23	1.20	1970.1	12.09	11.38	10.62	730.1	2.76	2.59	2.49		
1880.1	1910.1	1.29	1.19	1.17	1990.1	10.31	9.53	8.72	790.1	2.91	2.73	2.63		
1900.1	1930.1	1.20	1.15	1.18	2010.1	9.23	8.51	7.80	850.1	3.18	2.99	2.86		
1920.1	1950.1	1.11	1.16	1.25	2030.1	8.43	7.90	7.44	910.1	3.09	2.89	2.77		
1940.1	1970.1	1.08	1.20	1.30	2050.1	7.41	6.97	6.63	970.1	3.21	2.98	2.83		
1970.1	2000.1	1.10	1.22	1.32	2080.1	5.65	5.23	4.92	1030.1	3.22	2.99	2.83		
1990.1	2020.1	1.16	1.28	1.38	2100.1	4.67	4.33	4.05	1090.1	2.98	2.75	2.59		
2020.1	2050.1	1.32	1.44	1.56	2130.1	3.49	3.24	3.07	1150.1	2.89	2.66	2.50		
2040.1	2070.1	1.39	1.51	1.61	2150.1	2.77	2.57	2.43	1210.1	2.55	2.35	2.22		
2070.1	2100.1	1.42	1.52	1.62	2180.1	1.91	1.77	1.67	1270.1	2.41	2.22	2.09		
2090.1	2120.1	1.47	1.57	1.67	2200.1	1.49	1.38	1.30	1330.1	2.05	1.90	1.79		
2120.1	2150.1	1.58	1.68	1.77	2230.1	1.04	1.06	1.11	1390.1	1.97	1.85	1.77		
2140.1	2170.1	1.61	1.70	1.78	2250.1	1.24	1.33	1.40	1450.1	1.75	1.65	1.59		
2170.1	2200.1	1.57	1.65	1.72	2280.1	1.74	1.86	1.96	1510.1	1.66	1.61	1.58		
2190.1	2220.1	1.55	1.62	1.68	2300.1	2.11	2.25	2.35	1570.1	1.63	1.60	1.59		
2220.1	2250.1	1.55	1.60	1.65	2330.1	2.71	2.86	2.95	1630.1	1.57	1.58	1.61		
2240.1	2270.1	1.53	1.57	1.60	2350.1	3.22	3.40	3.52	1690.1	1.62	1.65	1.68		
2270.1	2300.1	1.47	1.48	1.50	2380.1	4.03	4.23	4.36	1750.1	1.55	1.62	1.67		
2290.1	2320.1	1.45	1.44	1.44	2400.1	4.45	4.62	4.68	1810.1	1.66	1.74	1.80		
2320.1	2350.1	1.49	1.45	1.43	2430.1	5.17	5.31	5.31	1870.1	1.51	1.58	1.64		
2340.1	2370.1	1.54	1.48	1.45	2450.1	5.83	6.03	6.11	1930.1	1.59	1.69	1.76		
2370.1	2400.1	1.64	1.56	1.50	2480.1	6.58	6.76	6.81	1990.1	1.43	1.51	1.57		
2390.1	2420.1	1.72	1.63	1.57	2500.1	6.78	6.81	6.63	2050.1	1.40	1.48	1.53		
2420.1	2450.1	1.87	1.76	1.70	2530.1	7.41	7.44	7.25	2110.1	1.32	1.38	1.42		
2440.1	2470.1	2.02	1.90	1.82	2550.1	7.97	8.08	8.05	2170.1	1.41	1.43	1.46		
2470.1	2500.1	2.24	2.11	2.02	2580.1	8.20	8.16	7.97	2230.1	1.50	1.51	1.53		
2490.1	2520.1	2.37	2.23	2.12	2600.1	8.01	7.80	7.34	2290.1	1.78	1.79	1.80		
2520.1	2550.1	2.59	2.44	2.32	2630.1	8.27	8.12	7.83	2350.1	1.88	1.93	1.97		

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	21	26	16	26	39	36	45	54	67
1	-	27	+0	38	26	42	35	51	33	55	53	71
2	54	62	69	46	>84	60	72	71	76	67	74	77
3	>90	>84	>84	>84	78	>84	81	>84	>84	>84	>84	>84
4	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
5	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
6	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
7	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
8	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
9	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
10	>90	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84	>84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 2130.1 MHz; 2.00 dBm.
LO IN: 2240.1 MHz; +20.00 dBm
IF OUT: 110 MHz; -6.11 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	27	31	35	25	36	51	46	52	64	78
1	-	27	+0	38	26	42	35	51	34	54	54	75
2	34	52	60	36	76	51	62	58	70	60	65	69
3	59	84	66	75	55	75	61	71	67	84	66	74
4	83	81	>94	91	78	71	80	75	81	84	89	82
5	>90	>94	>94	>94	>94	83	80	85	86	89	>94	90
6	>90	89	>94	>94	>94	>94	92	>94	89	>94	>94	94
7	>90	>94	>94	>94	>94	>94	>94	>94	91	>94	>94	>94
8	>90	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94
9	>90	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94
10	>90	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94	>94
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions:

RF IN: 2130.1 MHz; 12.00 dBm.
LO IN: 2240.1 MHz; +20.00 dBm
IF OUT: 110 MHz; 3.81 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.