

SPURIOUS EMISSIONS AT ANTENNA TERMINALS
SECTION 2.1051 AND 24.238 (b)

MEASUREMENT: 4**SECTION 2.1051****SPURIOUS EMISSIONS AT ANTENNA TERMINALS**

Spurious Emissions at the antenna terminals were investigated over the frequency range of 0 MHz to the 10th harmonic of the carrier frequency. The test setup was as described in Figure 4A and 4B. The test set up for two carrier combined measurement and single carrier without combiner is shown in Figure 4A and for single carrier direct connection to J4 without combiner is shown in Figure 4B. Measurements were made using a Rohde & Schwarz FSEK Spectrum Analyzer and a HP Model 520 DeskJet Printer. The RF output from the transmitter was reduced (to an amplitude usable by the spectrum analyzer) by using a calibrated attenuator. The RF power level was continuously monitored via RF Power Meter as shown in the test setup in Figure 4A and 4B. The required emission limitation specified in Section 24.238 of the Code was applied to these tests. All measurements were made for combined two carrier composite power, single carrier without combiner, single carrier without combiner. The RF output power measured at antenna terminals during each test is indicated on plots. Plots are provided for Left-Edge and Right Edge of each PCS band.

The channel allocations with channel numbers and corresponding frequencies are given in the next page. Based upon the criterion given in Section 24.238 of the Code the required emission limitation is equal to -57.6 dBc or -13 dBm for combined two carrier composite power and single carrier without combiner and -57.3 dBc or -13 dBm for single carrier with combiner. The magnitude of spurious emissions that are attenuated more than 20 dB below the permissible value need not specified (Section 2.1051 and 2.1057 (2) and (c)).

RESULTS:

The attached spectral plots document for spurious emissions at antenna terminal shows that there are no emissions above the applicable limit.

Frequency range of PCS 1900 (n =512...810)

$$dl(n) = 1930.2 + 0.2*(n - 512)/\text{MHz}$$

$$ul(n) = 1850.2 + 0.2*(n - 512)/\text{MHz}$$

n	uplink	bl	downlink	n	uplink	bl	downlink	n	uplink	bl	downlink	n	uplink	bl	downlink	n	uplink	bl	downlink	n	uplink	bl	downlink	n	uplink	bl	downlink	n	uplink	bl	downlink	n	uplink	bl	downlink		
512	1850,2	x	1930,2	550	1857,8	A	1937,8	588	1865,4	D	1945,4	626	1873,0	B	1953,0	664	1880,6	B	1960,6	702	1888,2	E	1968,2	740	1895,8	C	1975,8	778	1903,4	C	1983,4						
513	1850,4	A	1930,4	551	1858,0	A	1938,0	589	1865,6	D	1945,6	627	1873,2	B	1953,2	665	1880,8	B	1960,8	703	1888,4	E	1968,4	741	1896,0	C	1976,0	779	1903,6	C	1983,6						
514	1850,6	A	1930,6	552	1858,2	A	1938,2	590	1865,8	D	1945,8	628	1873,4	B	1953,4	666	1881,0	B	1961,0	704	1888,6	E	1968,6	742	1896,2	C	1976,2	780	1903,8	C	1983,8						
515	1850,8	A	1930,8	553	1858,4	A	1938,4	591	1866,0	D	1946,0	629	1873,6	B	1953,6	667	1881,2	B	1961,2	705	1888,8	E	1968,8	743	1896,4	C	1976,4	781	1904,0	C	1984,0						
516	1851,0	A	1931,0	554	1858,6	A	1938,6	592	1866,2	D	1946,2	630	1873,8	B	1953,8	668	1881,4	B	1961,4	706	1889,0	E	1969,0	744	1896,6	C	1976,6	782	1904,2	C	1984,2						
517	1851,2	A	1931,2	555	1858,8	A	1938,8	593	1866,4	D	1946,4	631	1874,0	B	1954,0	669	1881,6	B	1961,6	707	1889,2	E	1969,2	745	1896,8	C	1976,8	783	1904,4	C	1984,4						
518	1851,4	A	1931,4	556	1859,0	A	1939,0	594	1866,6	D	1946,6	632	1874,2	B	1954,2	670	1881,8	B	1961,8	708	1889,4	E	1969,4	746	1897,0	C	1977,0	784	1904,6	C	1984,6						
519	1851,6	A	1931,6	557	1859,2	A	1939,2	595	1866,8	D	1946,8	633	1874,4	B	1954,4	671	1882,0	B	1962,0	709	1889,6	E	1969,6	747	1897,2	C	1977,2	785	1904,8	C	1984,8						
520	1851,8	A	1931,8	558	1859,4	A	1939,4	596	1867,0	D	1947,0	634	1874,6	B	1954,6	672	1882,2	B	1962,2	710	1889,8	x	1969,8	748	1897,4	C	1977,4	786	1905,0	C	1985,0						
521	1852,0	A	1932,0	559	1859,6	A	1939,6	597	1867,2	D	1947,2	635	1874,8	B	1954,8	673	1882,4	B	1962,4	711	1890,0	x	1970,0	749	1897,6	C	1977,6	787	1905,2	C	1985,2						
522	1852,2	A	1932,2	560	1859,8	A	1939,8	598	1867,4	D	1947,4	636	1875,0	B	1955,0	674	1882,6	B	1962,6	712	1890,2	x	1970,2	750	1897,8	C	1977,8	788	1905,4	C	1985,4						
523	1852,4	A	1932,4	561	1860,0	A	1940,0	599	1867,6	D	1947,6	637	1875,2	B	1955,2	675	1882,8	B	1962,8	713	1890,4	F	1970,4	751	1898,0	C	1978,0	789	1905,6	C	1985,6						
524	1852,6	A	1932,6	562	1860,2	A	1940,2	600	1867,8	D	1947,8	638	1875,4	B	1955,4	676	1883,0	B	1963,0	714	1890,6	F	1970,6	752	1898,2	C	1978,2	790	1905,8	C	1985,8						
525	1852,8	A	1932,8	563	1860,4	A	1940,4	601	1868,0	D	1948,0	639	1875,6	B	1955,6	677	1883,2	B	1963,2	715	1890,8	F	1970,8	753	1898,4	C	1978,4	791	1906,0	C	1986,0						
526	1853,0	A	1933,0	564	1860,6	A	1940,6	602	1868,2	D	1948,2	640	1875,8	B	1955,8	678	1883,4	B	1963,4	716	1891,0	F	1971,0	754	1898,6	C	1978,6	792	1906,2	C	1986,2						
527	1853,2	A	1933,2	565	1860,8	A	1940,8	603	1868,4	D	1948,4	641	1876,0	B	1956,0	679	1883,6	B	1963,6	717	1891,2	F	1971,2	755	1898,8	C	1978,8	793	1906,4	C	1986,4						
528	1853,4	A	1933,4	566	1861,0	A	1941,0	604	1868,6	D	1948,6	642	1876,2	B	1956,2	680	1883,8	B	1963,8	718	1891,4	F	1971,4	756	1899,0	C	1979,0	794	1906,6	C	1986,6						
529	1853,6	A	1933,6	567	1861,2	A	1941,2	605	1868,8	D	1948,8	643	1876,4	B	1956,4	681	1884,0	B	1964,0	719	1891,6	F	1971,6	757	1899,2	C	1979,2	795	1906,8	C	1986,8						
530	1853,8	A	1933,8	568	1861,4	A	1941,4	606	1869,0	D	1949,0	644	1876,6	B	1956,6	682	1884,2	B	1964,2	720	1891,8	F	1971,8	758	1899,4	C	1979,4	796	1907,0	C	1987,0						
531	1854,0	A	1934,0	569	1861,6	A	1941,6	607	1869,2	D	1949,2	645	1876,8	B	1956,8	683	1884,4	B	1964,4	721	1892,0	F	1972,0	759	1899,6	C	1979,6	797	1907,2	C	1987,2						
532	1854,2	A	1934,2	570	1861,8	A	1941,8	608	1869,4	D	1949,4	646	1877,0	B	1957,0	684	1884,6	B	1964,6	722	1892,2	F	1972,2	760	1899,8	C	1979,8	798	1907,4	C	1987,4						
533	1854,4	A	1934,4	571	1862,0	A	1942,0	609	1869,6	D	1949,6	647	1877,2	B	1957,2	685	1884,8	x	1964,8	723	1892,4	F	1972,4	761	1900,0	C	1980,0	799	1907,6	C	1987,6						
534	1854,6	A	1934,6	572	1862,2	A	1942,2	610	1869,8	x	1949,8	648	1877,4	B	1957,4	686	1885,0	x	1965,0	724	1892,6	F	1972,6	762	1900,2	C	1980,2	800	1907,8	C	1987,8						
535	1854,8	A	1934,8	573	1862,4	A	1942,4	611	1870,0	x	1950,0	649	1877,6	B	1957,6	687	1885,2	x	1965,2	725	1892,8	F	1972,8	763	1900,4	C	1980,4	801	1908,0	C	1988,0						
536	1855,0	A	1935,0	574	1862,6	A	1942,6	612	1870,2	x	1950,2	650	1877,8	B	1957,8	688	1885,4	E	1965,4	726	1893,0	F	1973,0	764	1900,6	C	1980,6	802	1908,2	C	1988,2						
537	1855,2	A	1935,2	575	1862,8	A	1942,8	613	1870,4	B	1950,4	651	1878,0	B	1958,0	689	1885,6	E	1965,6	727	1893,2	F	1973,2	765	1900,8	C	1980,8	803	1908,4	C	1988,4						
538	1855,4	A	1935,4	576	1863,0	A	1943,0	614	1870,6	B	1950,6	652	1878,2	B	1958,2	690	1885,8	E	1965,8	728	1893,4	F	1973,4	766	1901,0	C	1981,0	804	1908,6	C	1988,6						
539	1855,6	A	1935,6	577	1863,2	A	1943,2	615	1870,8	B	1950,8	653	1878,4	B	1958,4	691	1886,0	E	1966,0	729	1893,6	F	1973,6	767	1901,2	C	1981,2	805	1908,8	C	1988,8						
540	1855,8	A	1935,8	578	1863,4	A	1943,4	616	1871,0	B	1951,0	654	1878,6	B	1958,6	692	1886,2	E	1966,2	730	1893,8	F	1973,8	768	1901,4	C	1981,4	806	1909,0	C	1989,0						
541	1856,0	A	1936,0	579	1863,6	A	1943,6	617	1871,2	B	1951,2	655	1878,8	B	1958,8	693	1886,4	E	1966,4	731	1894,0	F	1974,0	769	1901,6	C	1981,6	807	1909,2	C	1989,2						
542	1856,2	A	1936,2	580	1863,8	A	1943,8	618	1871,4	B	1951,4	656	1879,0	B	1959,0	694	1886,6	E	1966,6	732	1894,2	F	1974,2	770	1901,8	C	1981,8	808	1909,4	C	1989,4						
543	1856,4	A	1936,4	581	1864,0	A	1944,0	619	1871,6	B	1951,6	657	1879,2	B	1959,2	695	1886,8	E	1966,8	733	1894,4	F	1974,4	771	1902,0	C	1982,0	809	1909,6	C	1989,6						
544	1856,6	A	1936,6	582	1864,2	A	1944,2	620	1871,8	B	1951,8	658	1879,4	B	1959,4	696	1887,0	E	1967,0	734	1894,6	F	1974,6	772	1902,2	C	1982,2	810	1909,8	x	1989,8						
545	1856,8	A	1936,8	583	1864,4	A	1944,4	621	1872,0	B	1952,0	659	1879,6	B	1959,6	697	1887,2	E	1967,2	735	1894,8	x	1974,8	773	1902,4</												

Figure 4A. TEST CONFIGURATION FOR CONDUCTED SPURIOUS

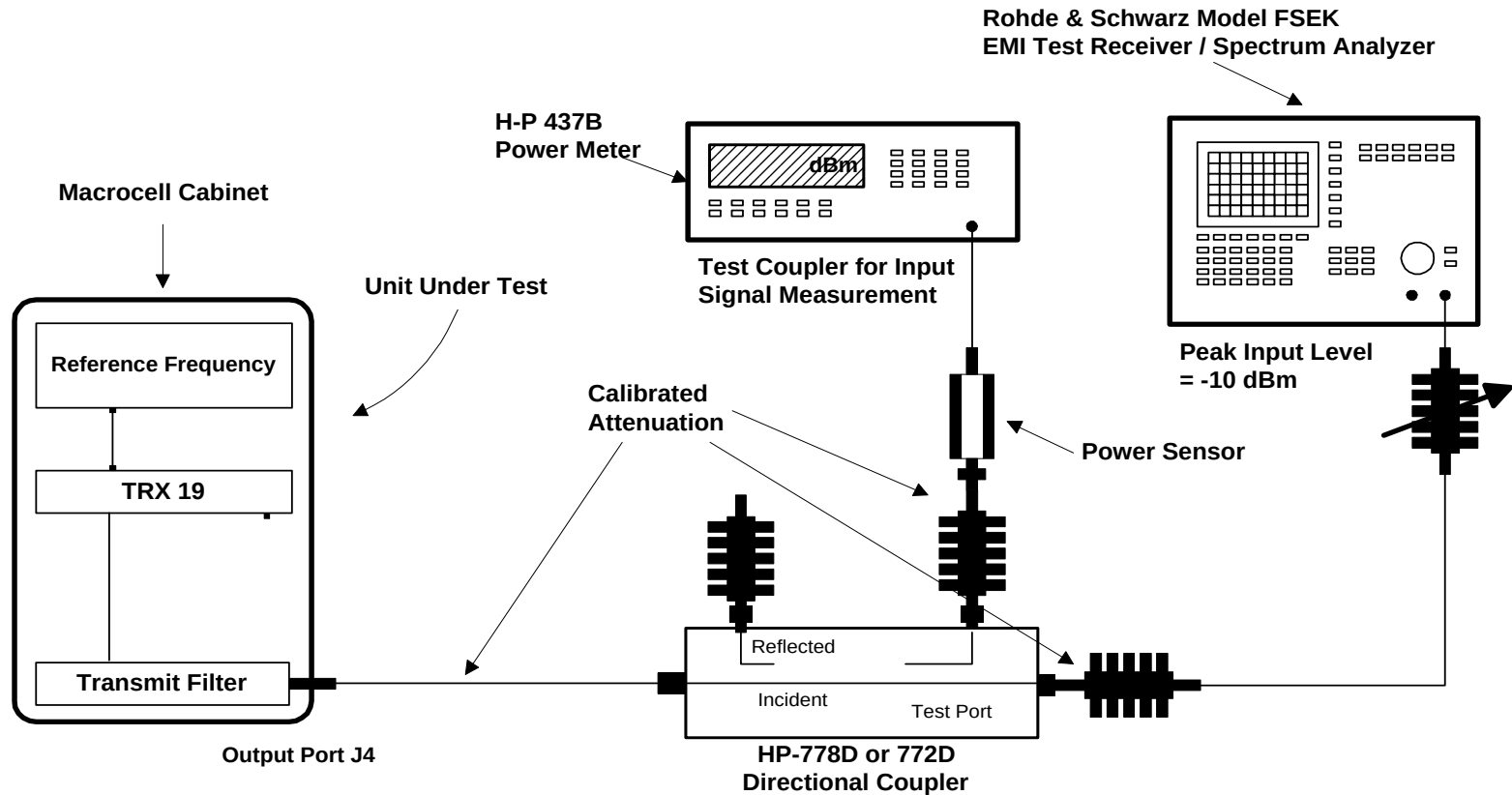
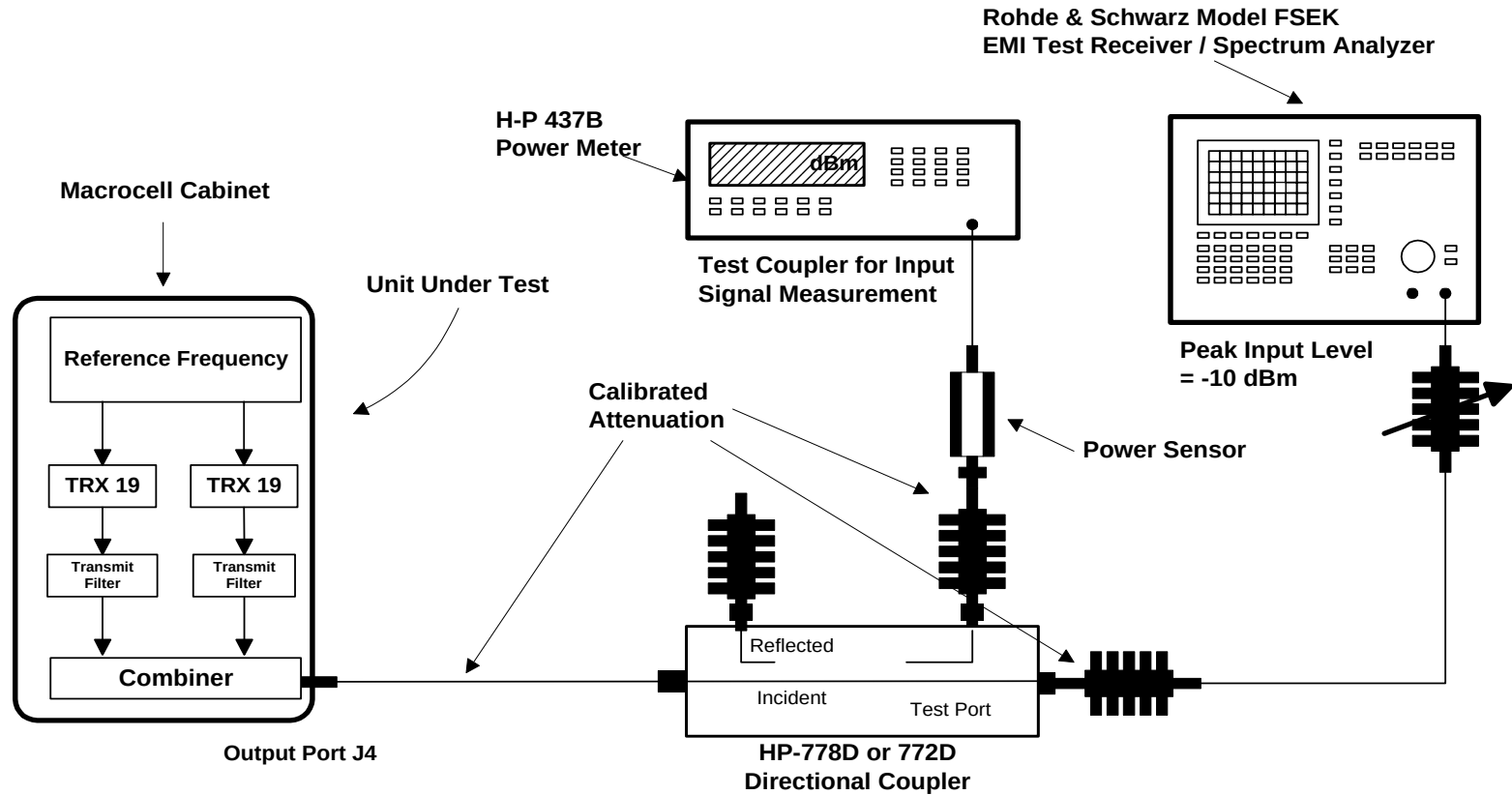


Figure 4B. TEST CONFIGURATION FOR CONDUCTED SPURIOUS



MEASUREMENT: 4

MEASUREMENT

OF

SPURIOUS EMISSIONS

1 TRX WITHOUT COMBINER

BLOCK A

(1930 – 1945 MHz)

Left Edge:	1930.4 MHz (Channel 513)
Right Edge:	1944.6 MHz (Channel 584)



Marker 1 [T1]

RBW 10 kHz RF Att 20 dB

Ref Lvl 41.87 dBm

VBW 10 kHz

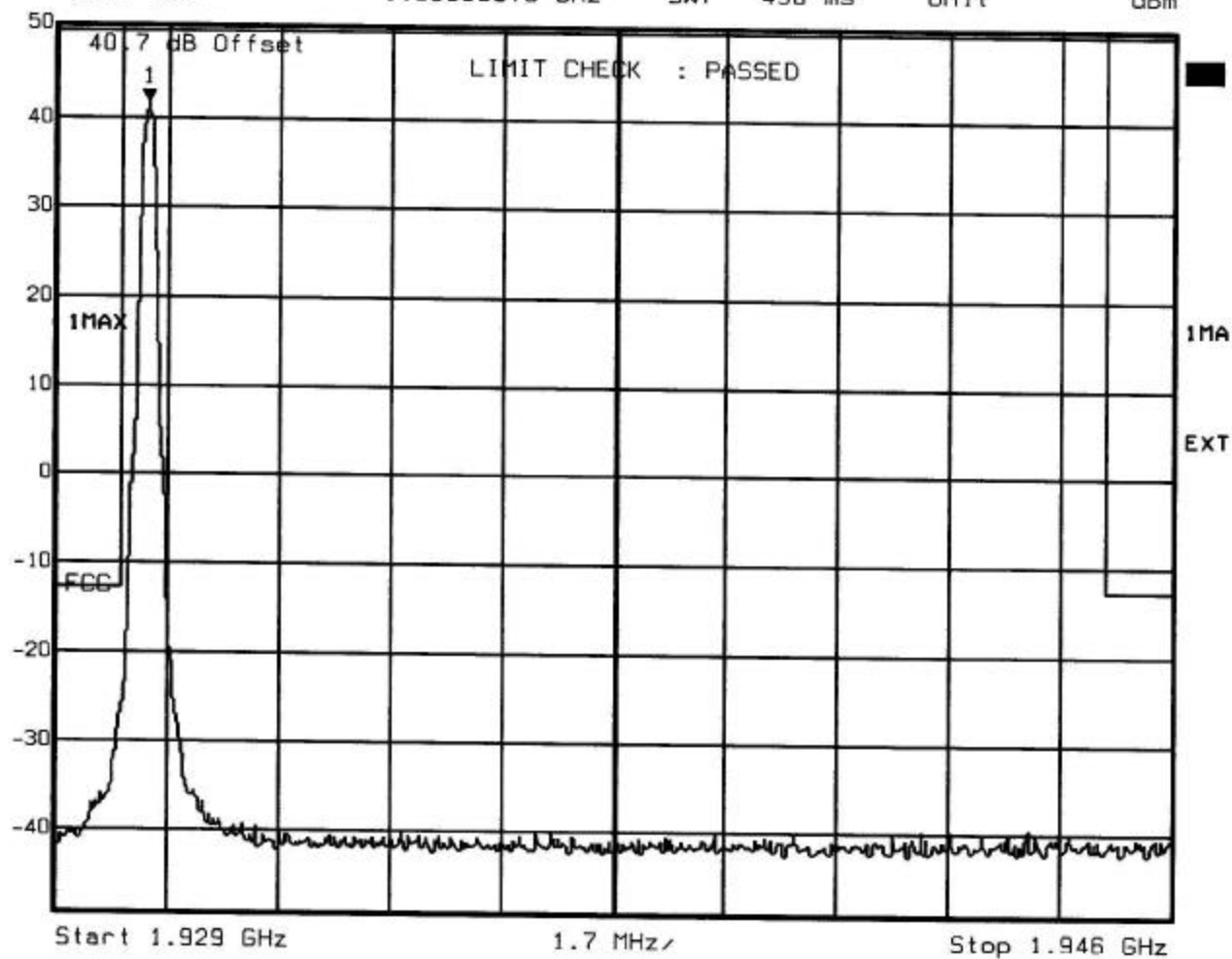
50.7 dBm

1.93039679 GHz

SWT 430 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block A, TRX0 CHN513, TX PWR: 45.0dB, 2/2/2 Config.

Date: 10.MAY.2000 14:56:30



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-27.83 dBm

VBW

1 MHz

41.4 dBm

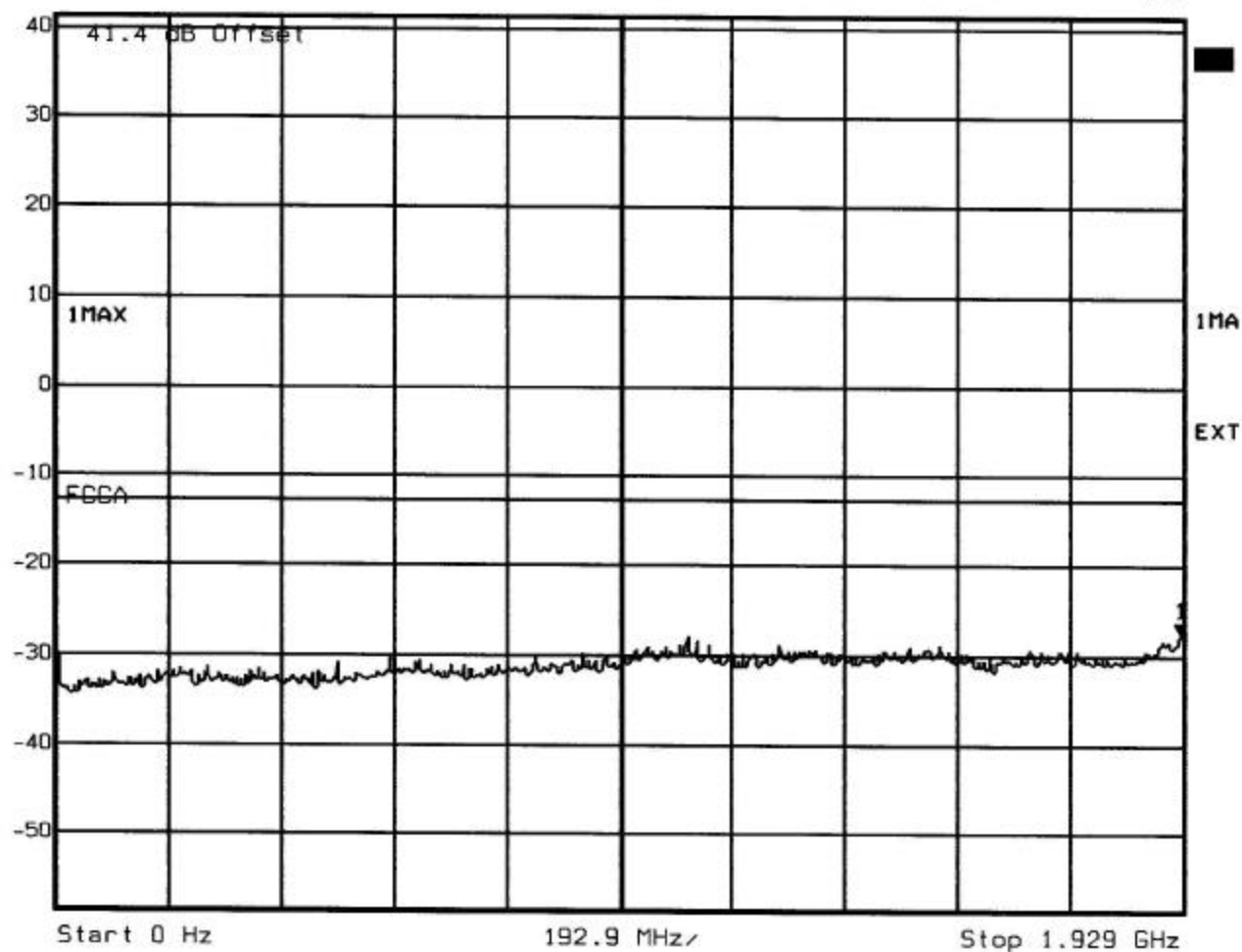
1.92513427 GHz

SWT

5 ms

Unit

dBm



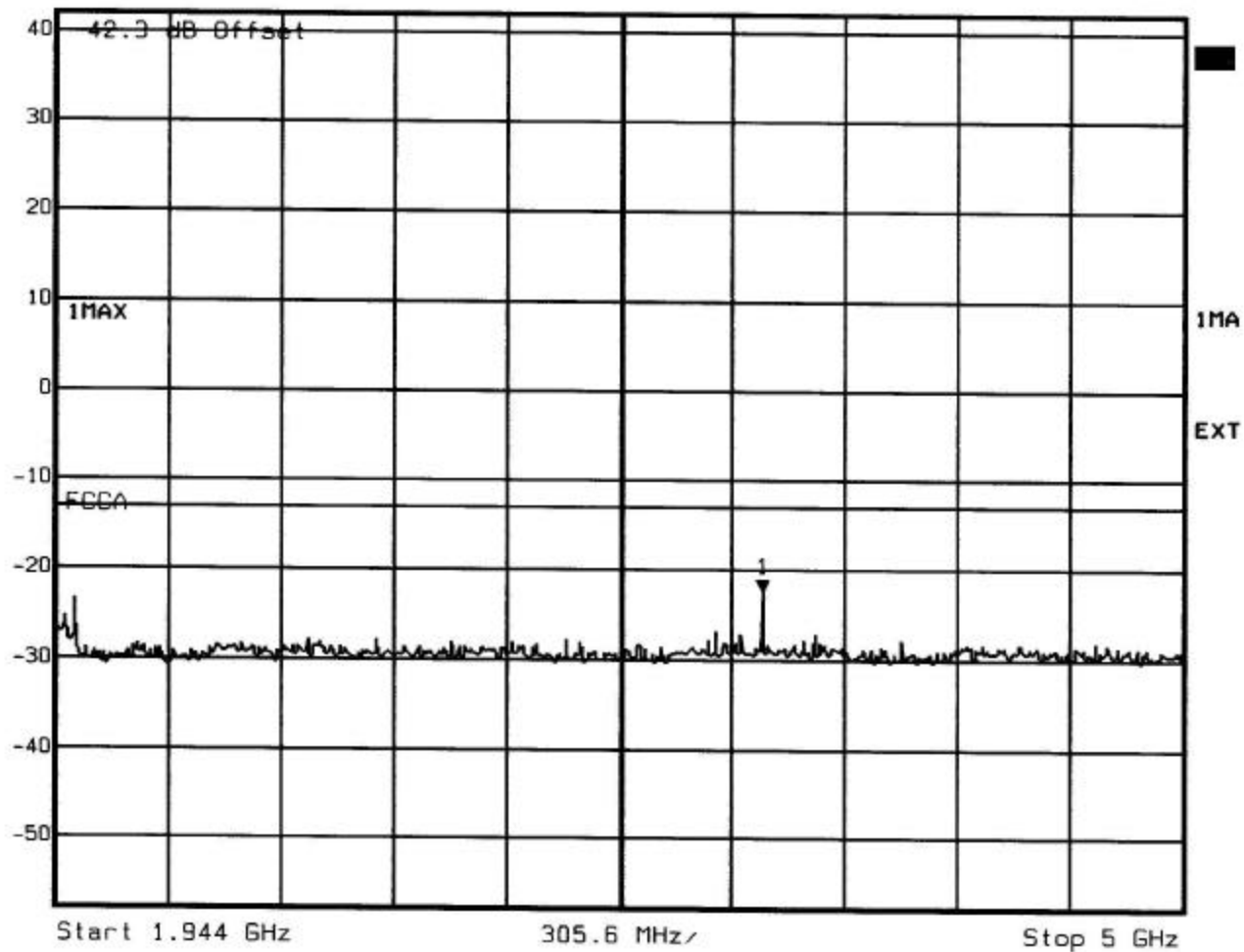
Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block A, TRX0 CHN 513, TX PWR: 45.6dBm, 2/2/2 Config

Date: 16.MAY.2000 9:59:22



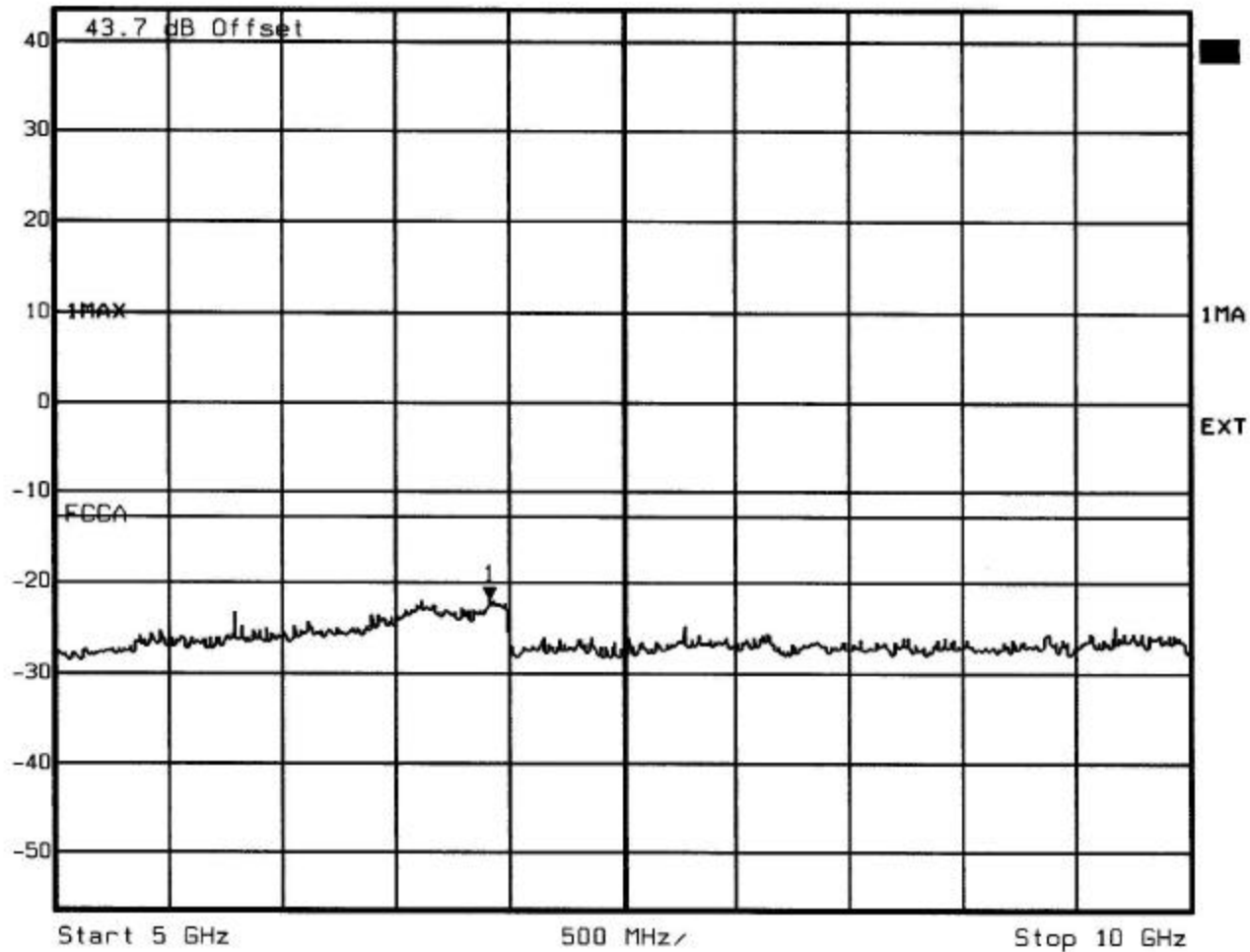
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -22.34 dBm VBW 1 MHz
42.3 dBm 3.86088978 GHz SWT 8 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRXD CHN 513, TX PWR: 45.6dBm, 2/2/2 Config
Date: 16.MAY.2000 10:22:27



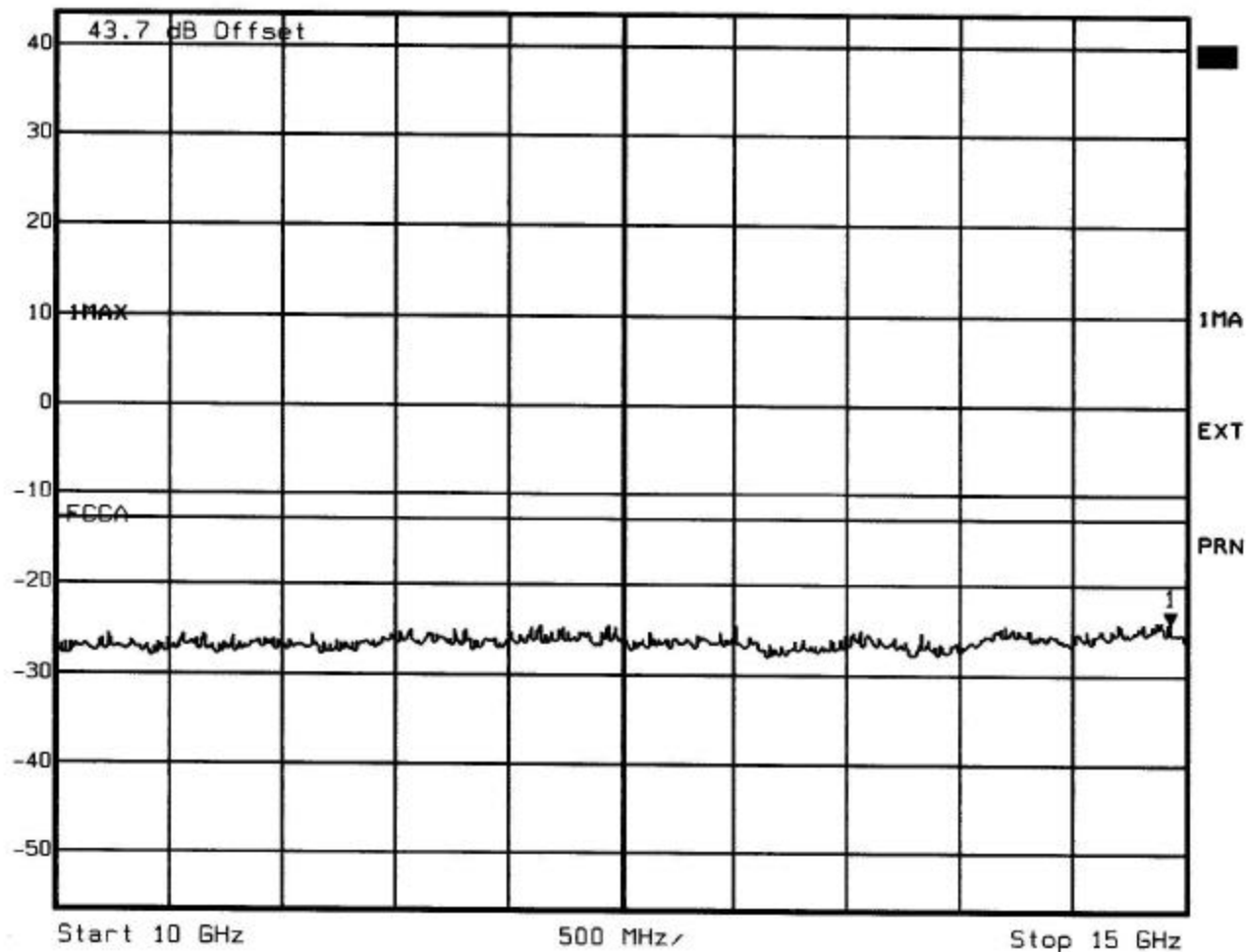
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -22.00 dBm VBW 1 MHz
43.7 dBm 6.91382766 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRXD CHN 513, TX PWR: 45.6dBm, 2/2/2 Config
Date: 16.MAY.2000 10:23:10



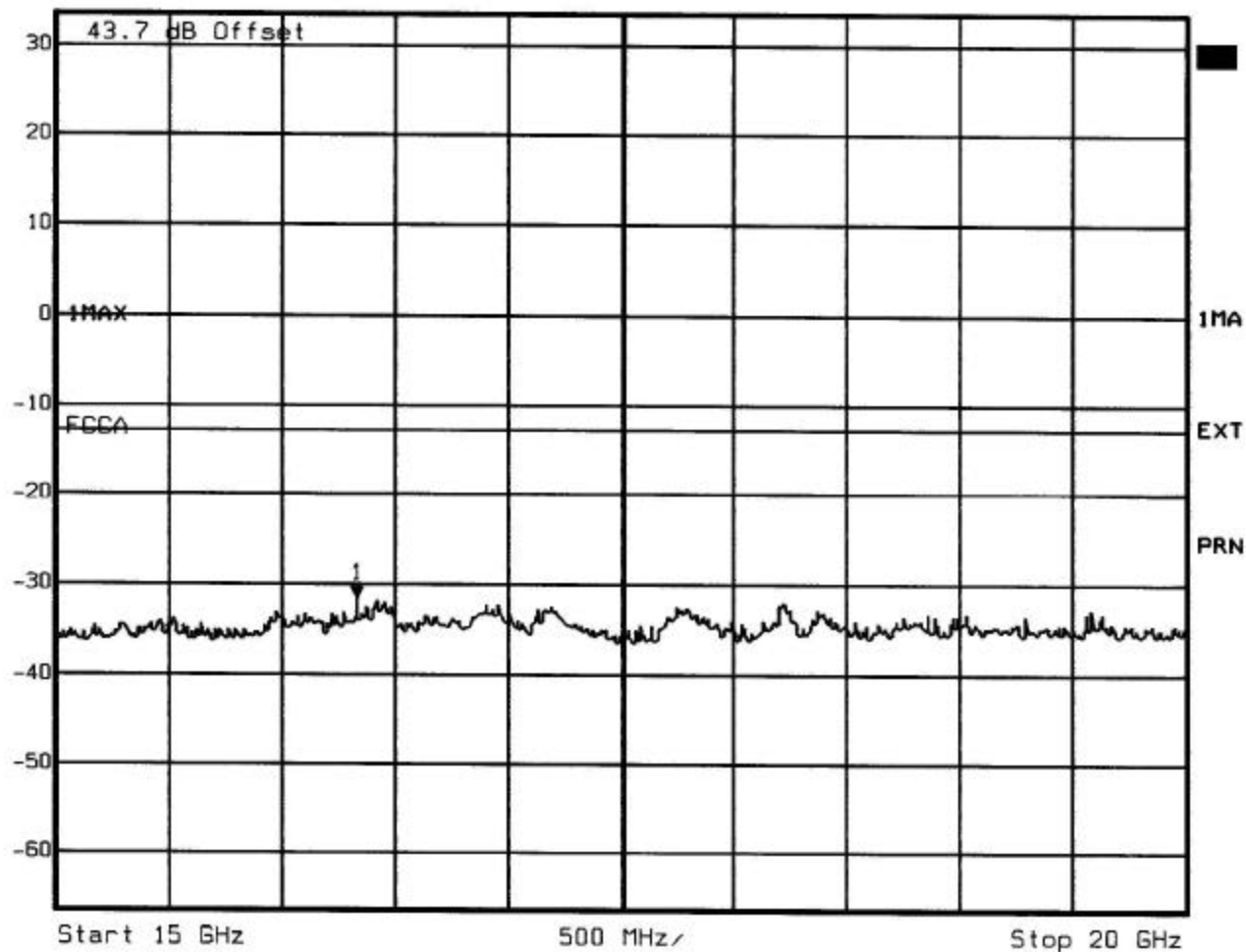
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -24.14 dBm VBW 1 MHz
43.7 dBm 14.92985972 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRXD CHN 513, TX PWR: 45.6dBm, 2/2/2 Config
Date: 16.MAY.2000 10:23:28



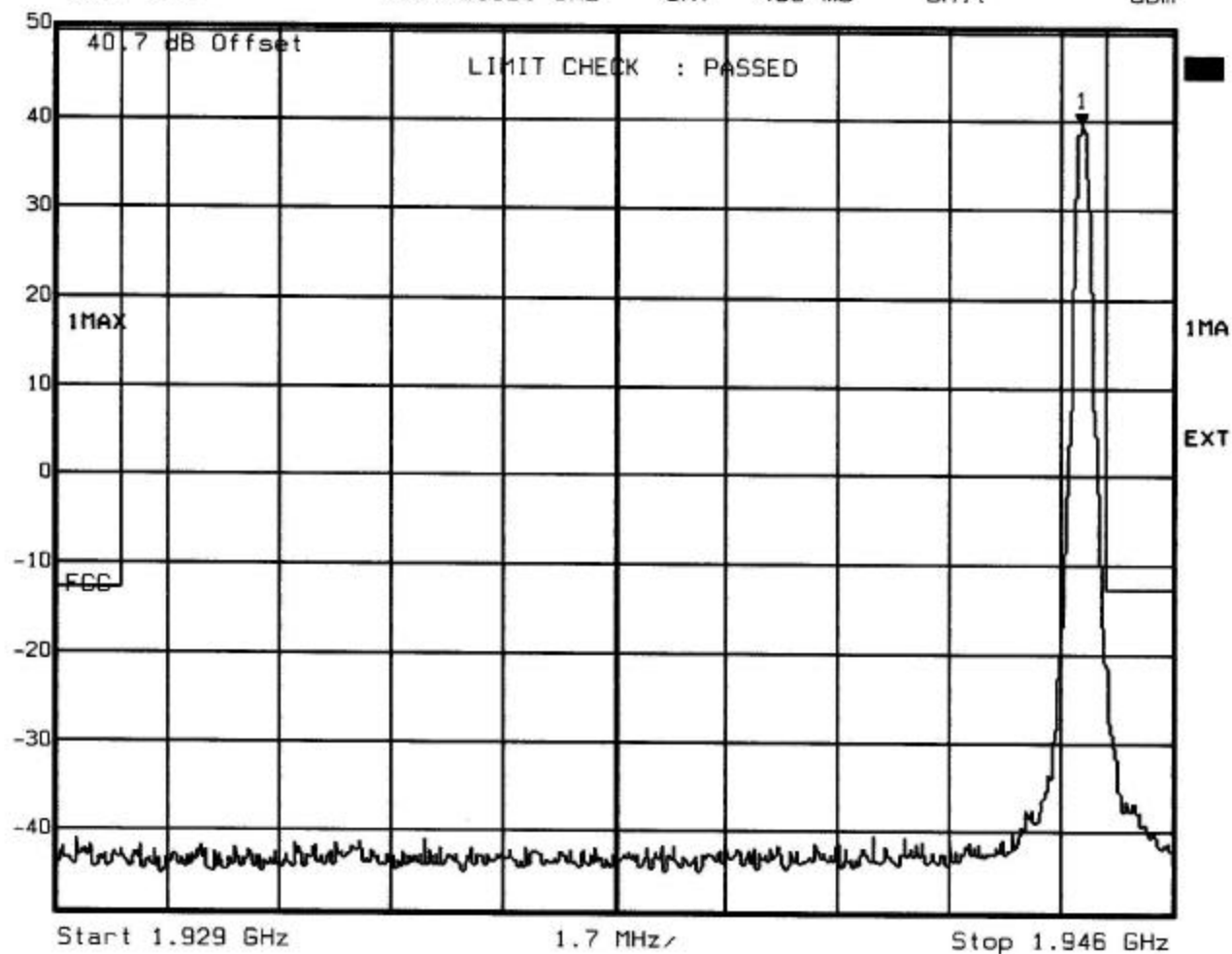
Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl -31.66 dBm VBW 1 MHz
33.7 dBm 16.33266533 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRXD CHN 513, TX PWR: 45.6dBm, 2/2/2 Config
Date: 16.MAY.2000 10:23:59



Marker 1 [T1] RBW 10 kHz RF Att 20 dB
Ref Lvl 39.64 dBm VBW 10 kHz
50.7 dBm 1.94460321 GHz SWT 430 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRXD CHN584, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 14:58:39



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-28.74 dBm

VBW

1 MHz

40.7 dBm

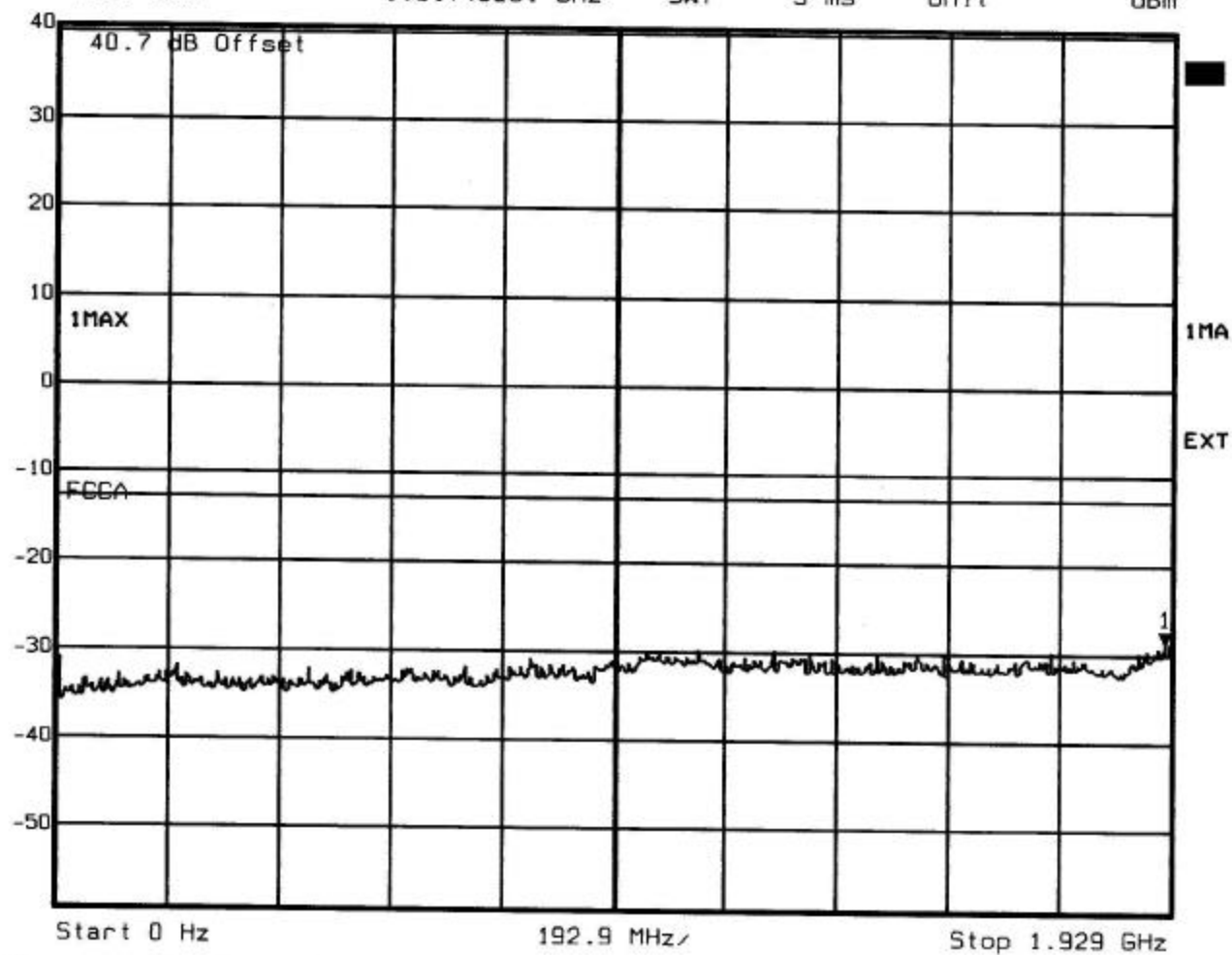
1.91740281 GHz

SWT

5 ms

Unit

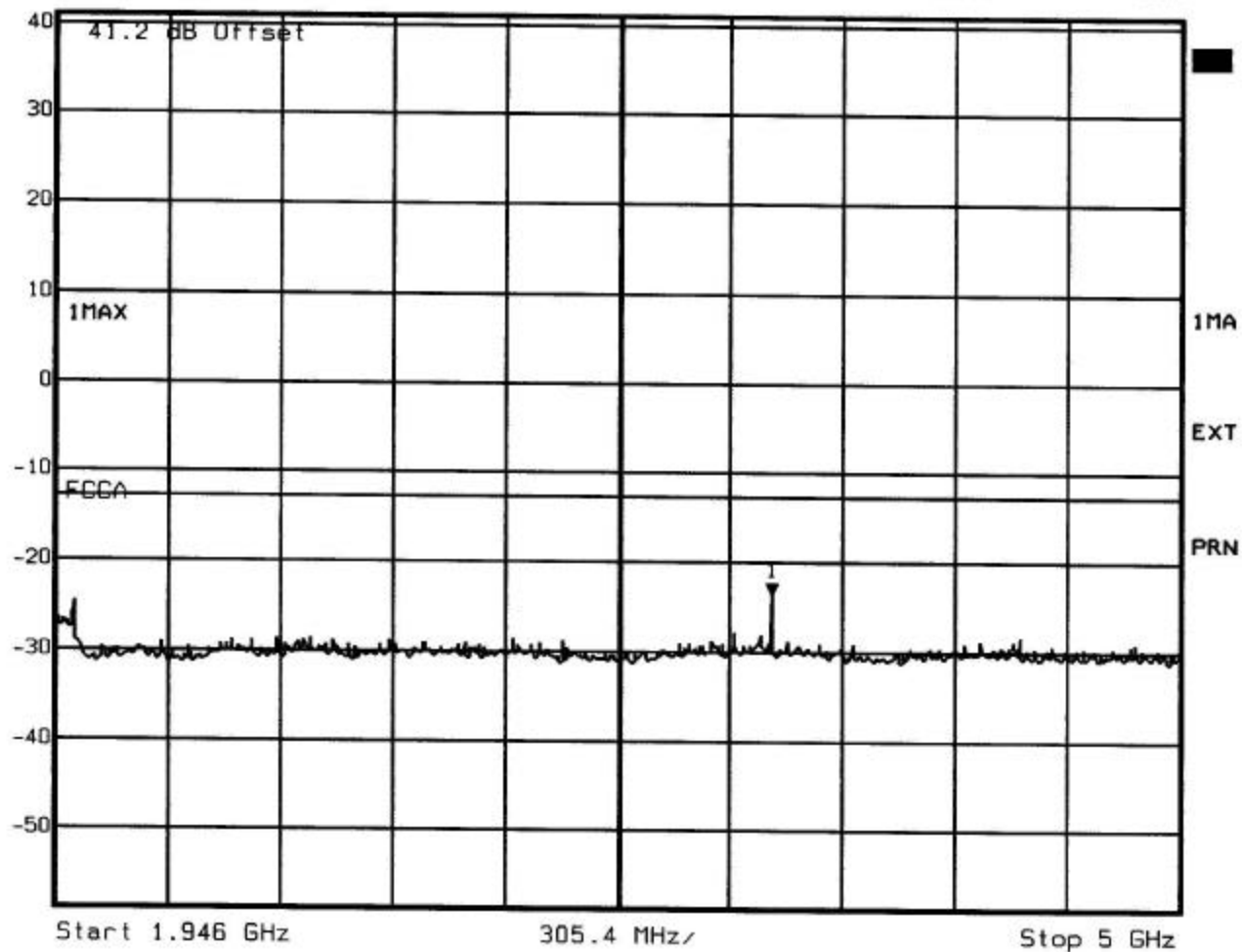
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRX0 CHN584, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 14:59:34



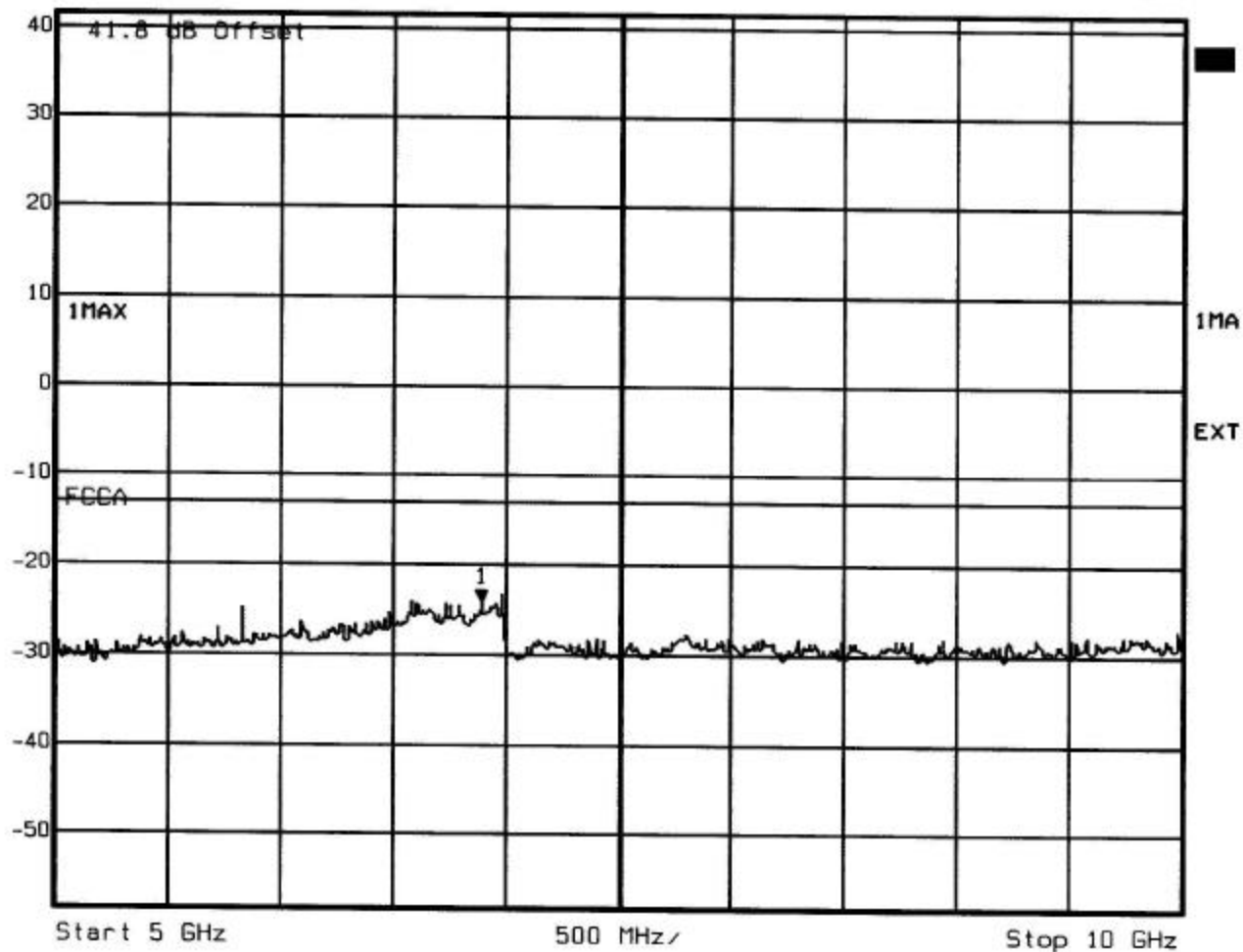
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -23.63 dBm VBW 1 MHz
41.2 dBm 3.89223647 GHz SWT 8 ms Unit dBm



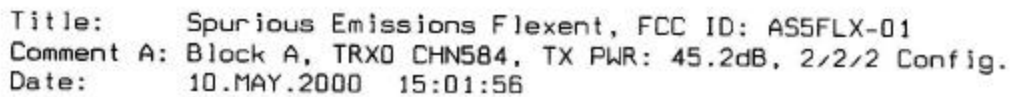
Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRXD CHN584, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:00:37



Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -24.19 dBm VBW 1 MHz
41.8 dBm 6.89378758 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRX0 CHN584, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:01:39

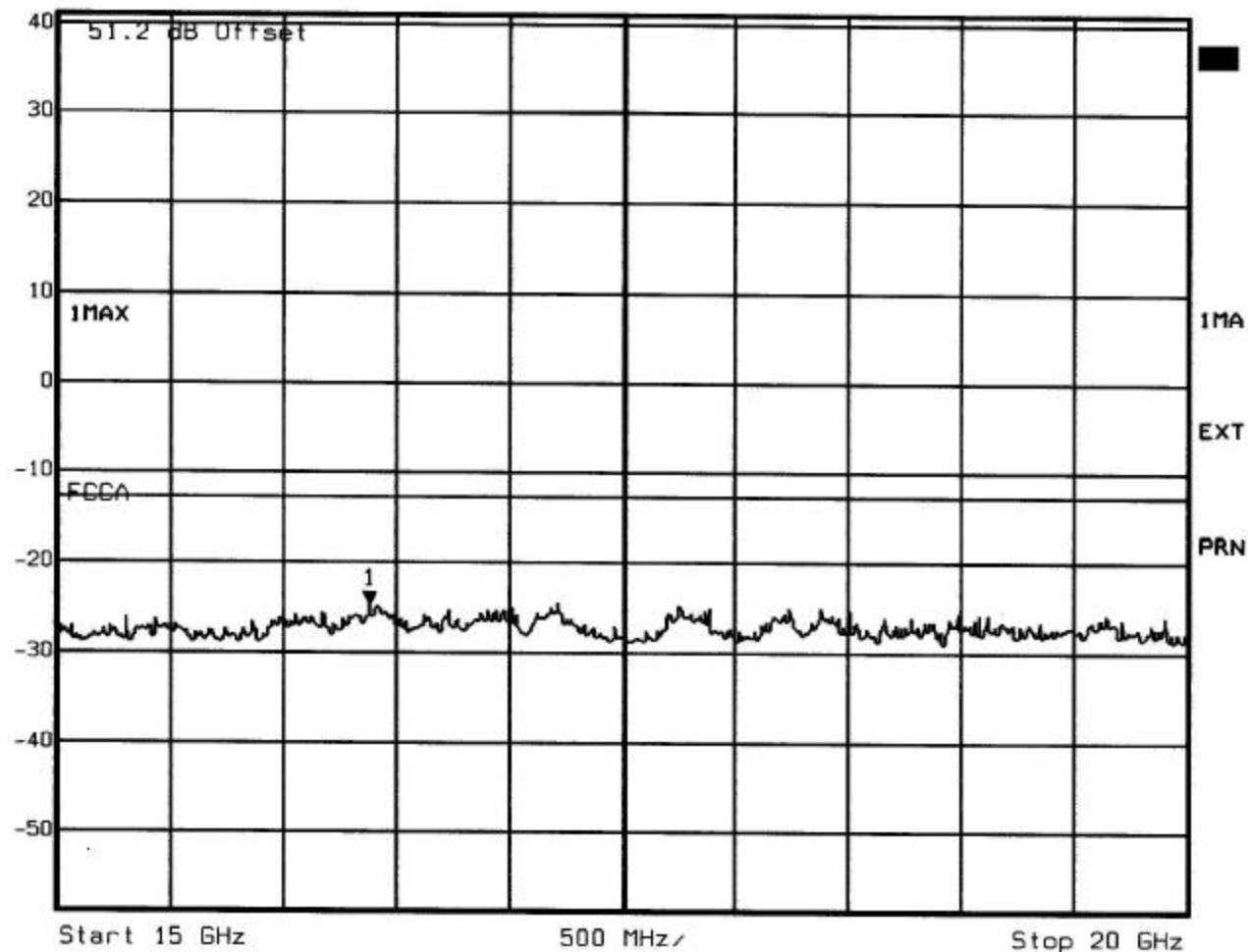


Comment A: Block A, TRXD CHN584, TX PWR: 45.2dB, 2/2/2 Config.

Date: 10.MAY.2000 15:01:56



Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl -24.68 dBm VBW 1 MHz
41.2 dBm 16.38276553 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block A, TRXD CHN584, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:02:28

MEASUREMENT: 4

MEASUREMENT

OF

SPURIOUS EMISSIONS

1 TRX WITHOUT COMBINER

BLOCK B

(1950 – 1965 MHz)

Left Edge:	1950.4 MHz (Channel 613)
Right Edge:	1964.6 MHz (Channel 684)



Marker 1 [T1]

RBW 10 kHz RF Att 20 dB

Ref Lvl 41.00 dBm

VBW 10 kHz

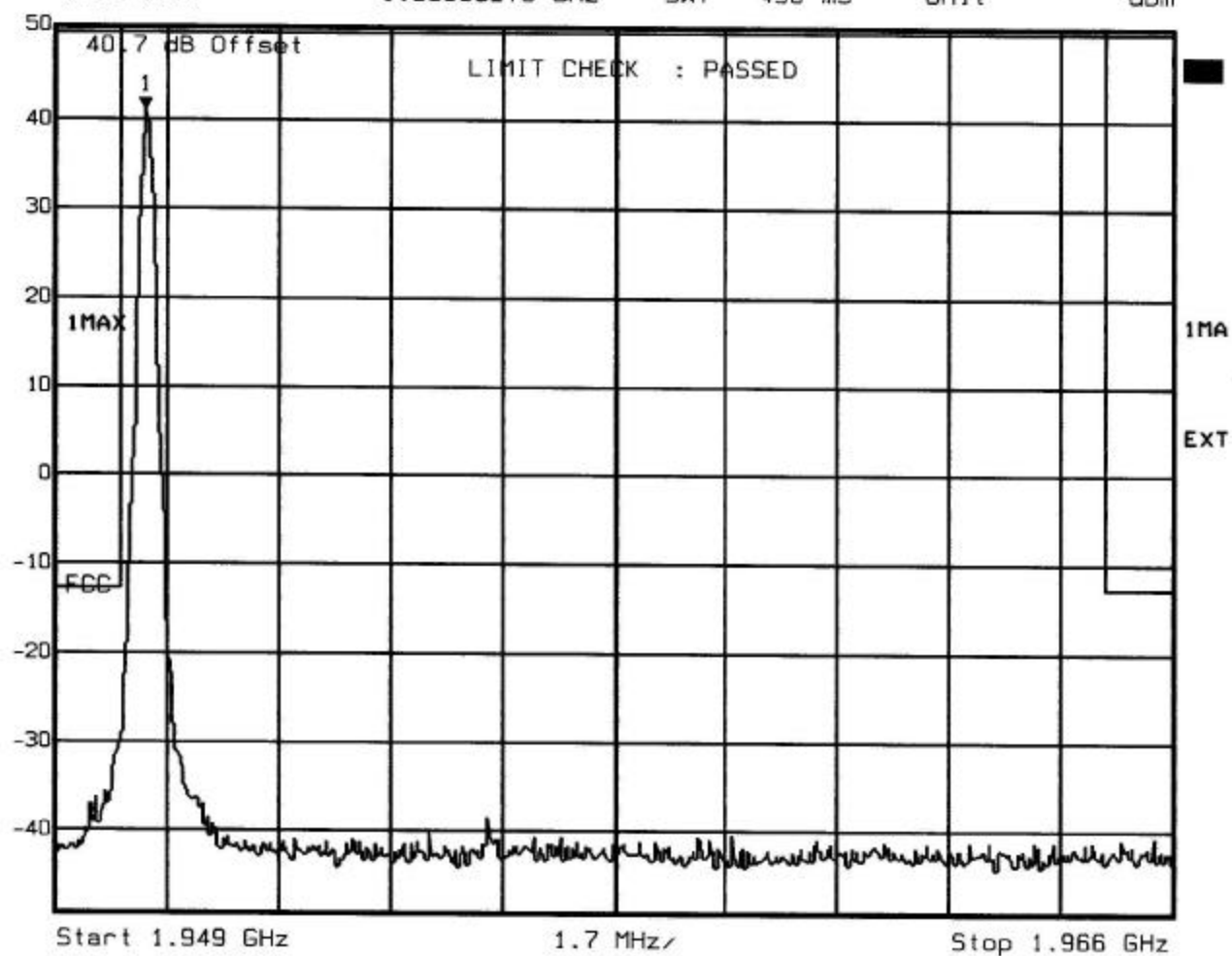
50.7 dBm

1.95036273 GHz

SWT 430 ms

Unit

dBm



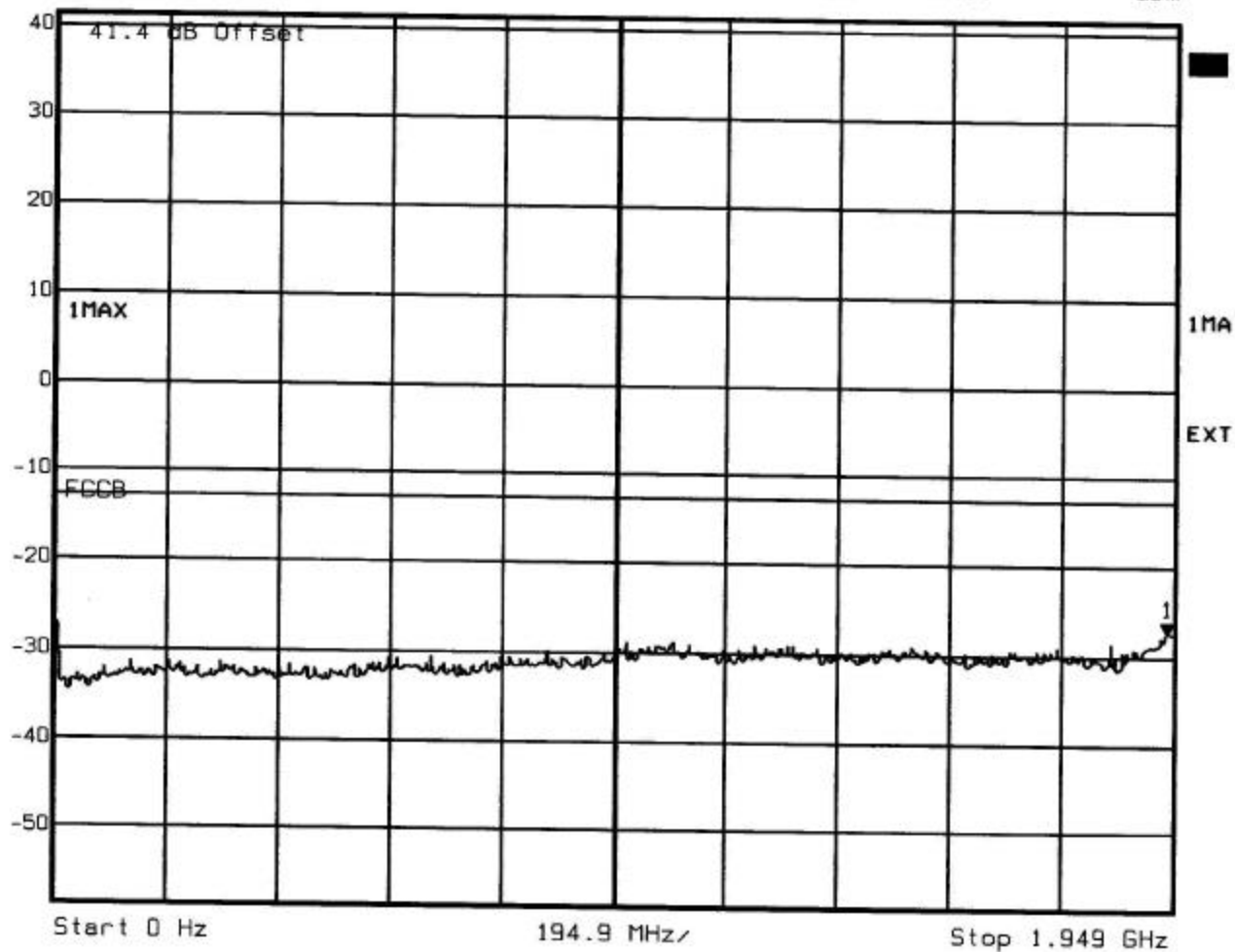
Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block B, TRX0 CHN613, TX PWR: 45.3dB, 2/2/2 Config.

Date: 10.MAY.2000 15:24:55



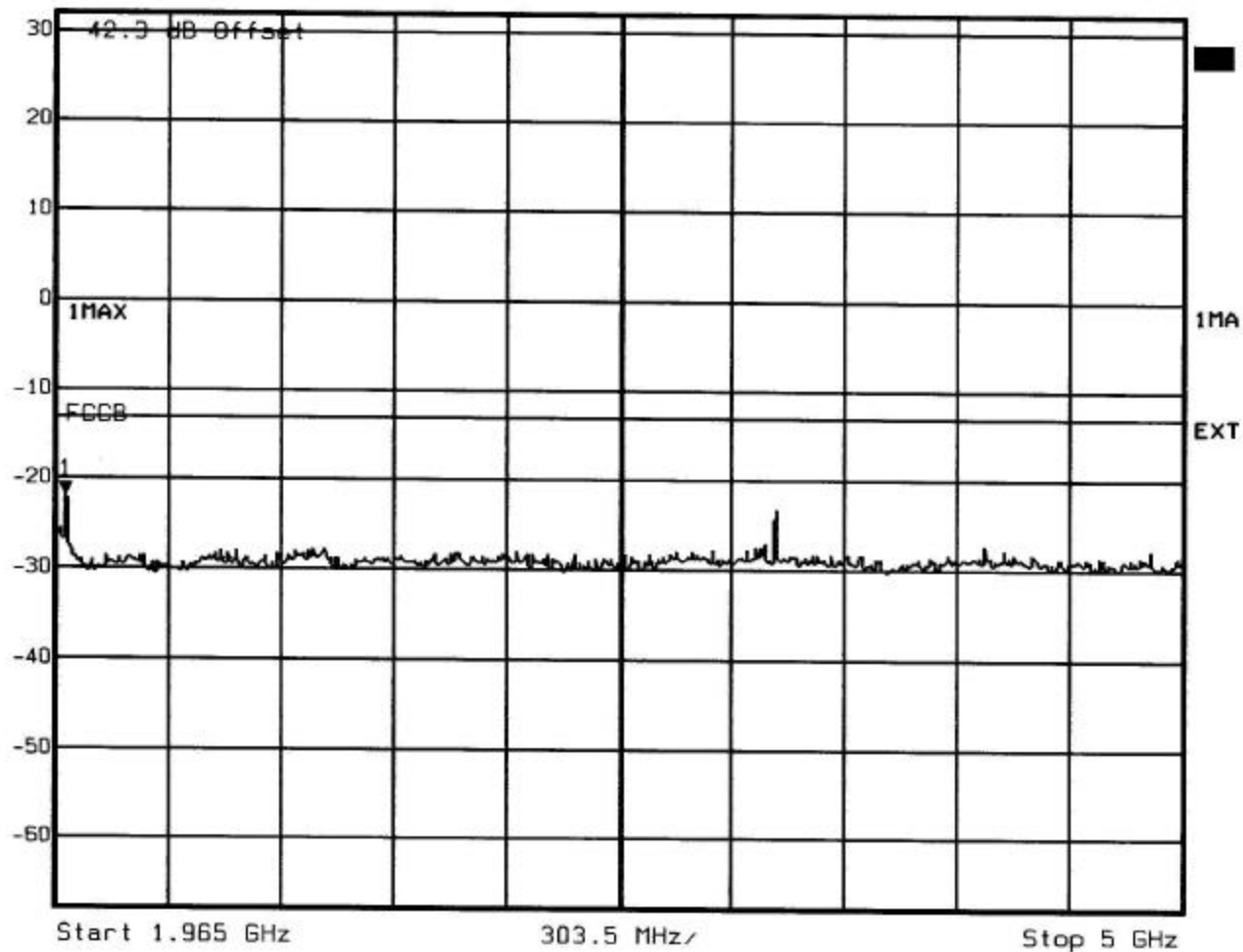
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -27.53 dBm VBW 1 MHz
41.4 dBm 1.93644890 GHz SWT 5 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: AS5FLX-01
Comment A: Block B, TRX0 CHN 613, TX PWR: 45.8dBm, 2/2/2 Config
Date: 16.MAY.2000 9:40:40

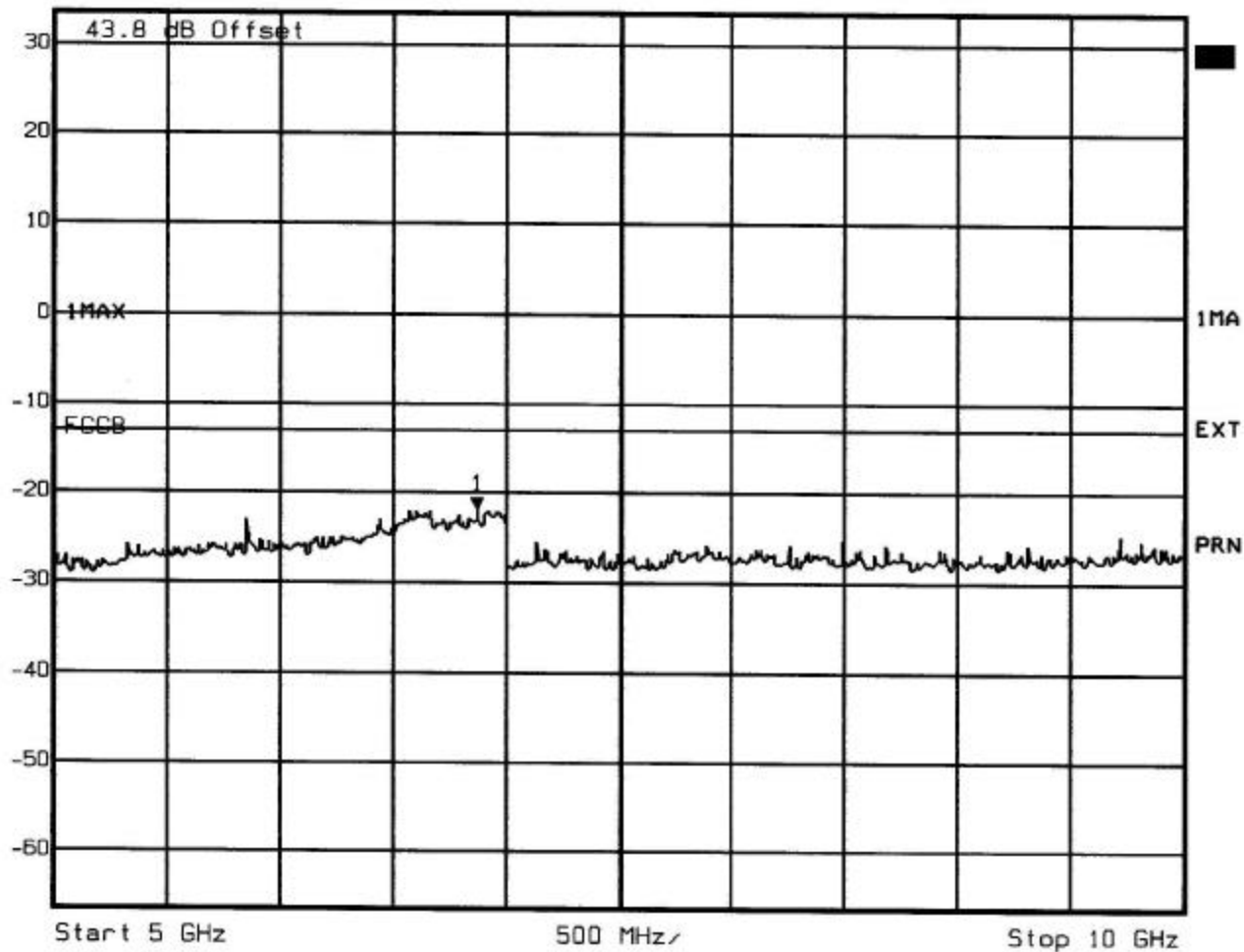


Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -21.88 dBm VBW 1 MHz
32.3 dBm 1.98932866 GHz SWT 8 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block B, TRXD CHN 613, TX PWR: 46.0dBm, 2/2/2 Config
Date: 16.MAY.2000 10:30:09

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	-21.81 dBm	VBW	1 MHz	
	33.8 dBm	6.87374749 GHz	SWT	29 ms	Unit dBm



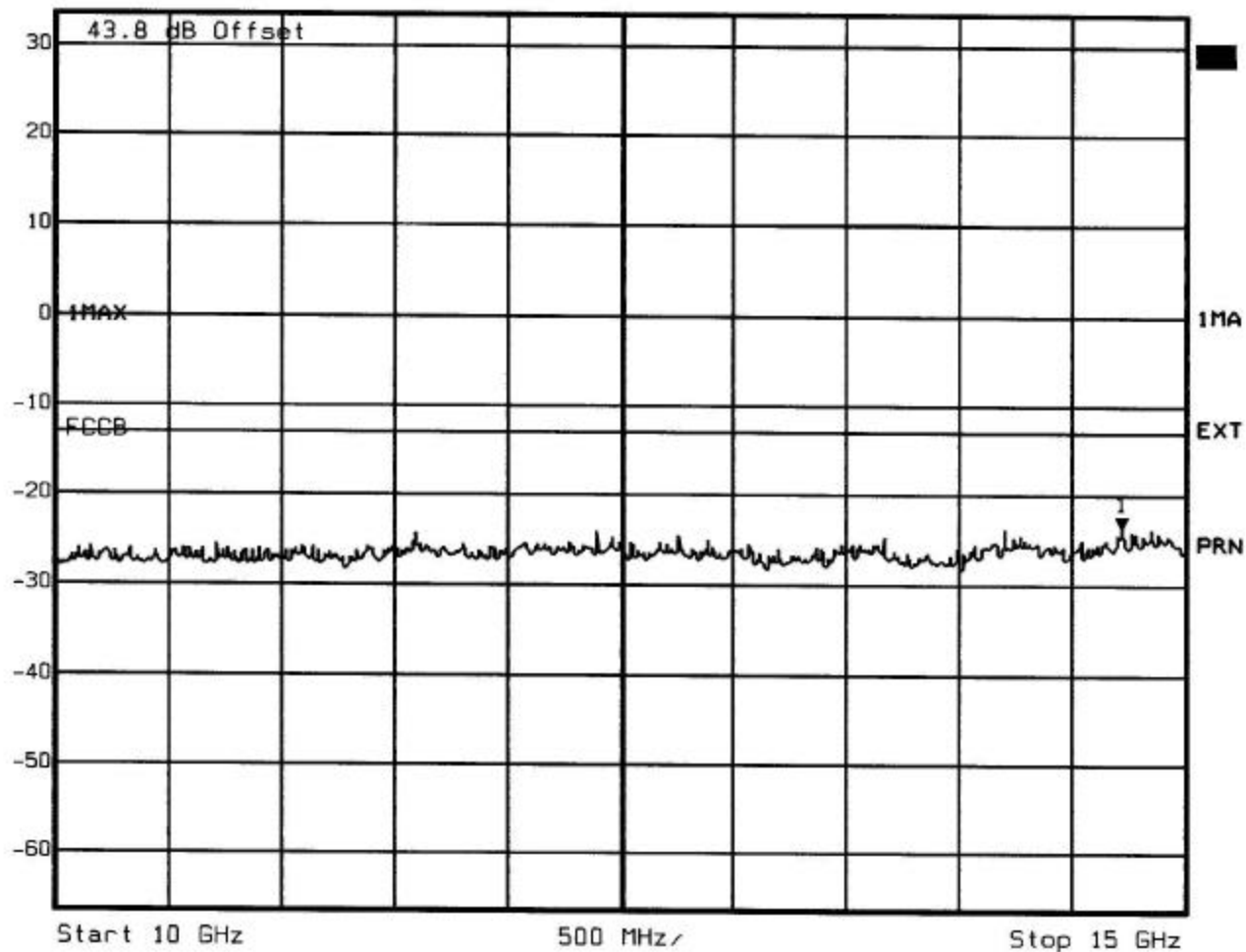
Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block B, TRX0 CHN 613, TX PWR: 46.0dBm, 2/2/2 Config

Date: 16.MAY.2000 10:30:35

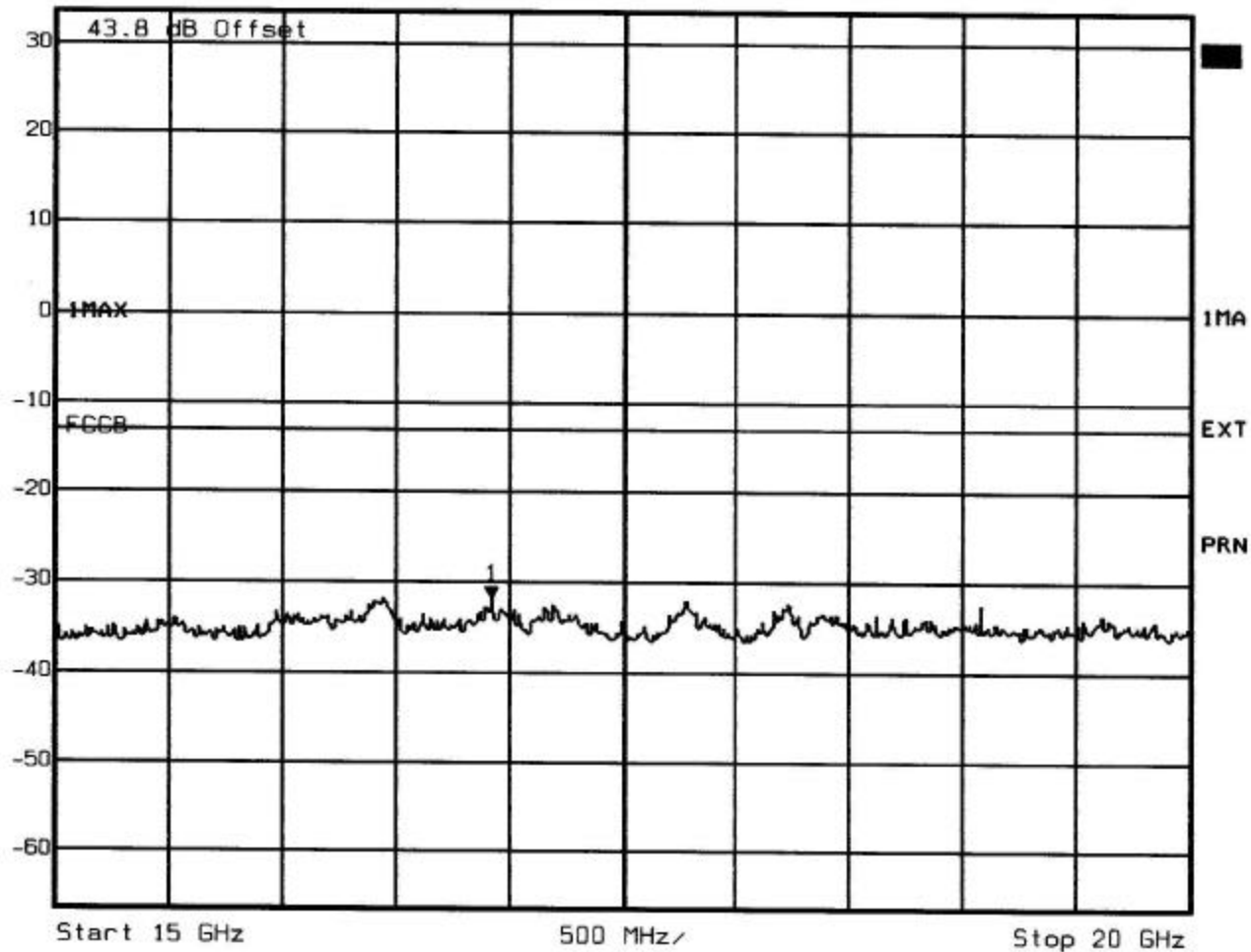


Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -23.51 dBm VBW 1 MHz
33.8 dBm 14.71943888 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block B, TRX0 CHN 613, TX PWR: 46.0dBm, 2/2/2 Config
Date: 16.MAY.2000 10:30:54

	Marker 1 [T1]		RBW	1 MHz	RF Att	0 dB
	Ref Lvl	-31.90 dBm	VBW	1 MHz		
	33.8 dBm	16.92384770 GHz	SWT	29 ms	Unit	dBm



Title: Spurious Emissions Flexent, FCC ID: AS5FLX-01
 Comment A: Block B, TRX0 CHN 613, TX PWR: 46.0dBm, 2/2/2 Config
 Date: 16.MAY.2000 10:31:28



Marker 1 [T1]

RBW 10 kHz

RF Att 20 dB

Ref Lvl

40.99 dBm

VBW 10 kHz

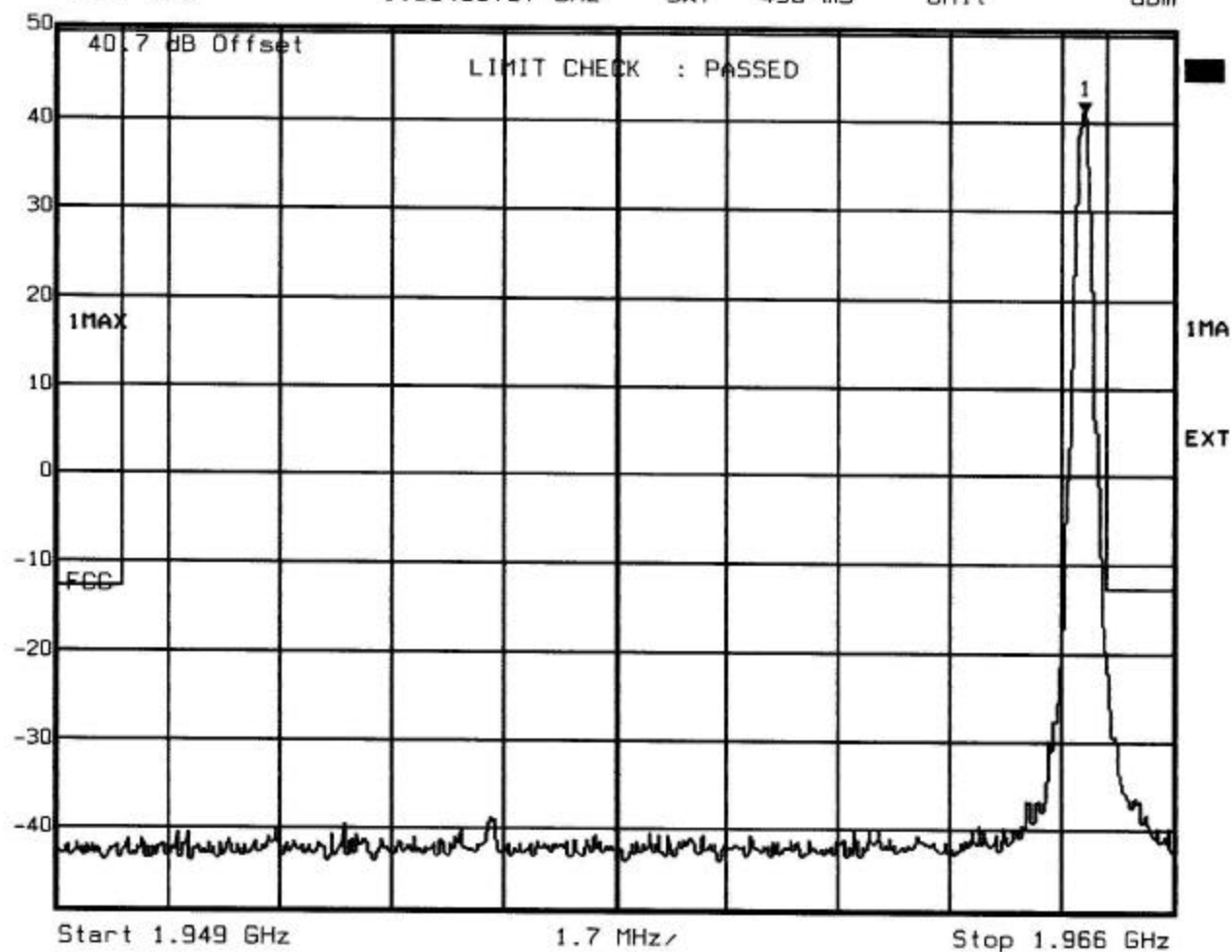
50.7 dBm

1.96463727 GHz

SWT 430 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block B, TRX0 CHN684, TX PWR: 45.3dB, 2/2/2 Config.

Date: 10.MAY.2000 15:26:08



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-20.43 dBm

VBW

1 MHz

40.7 dBm

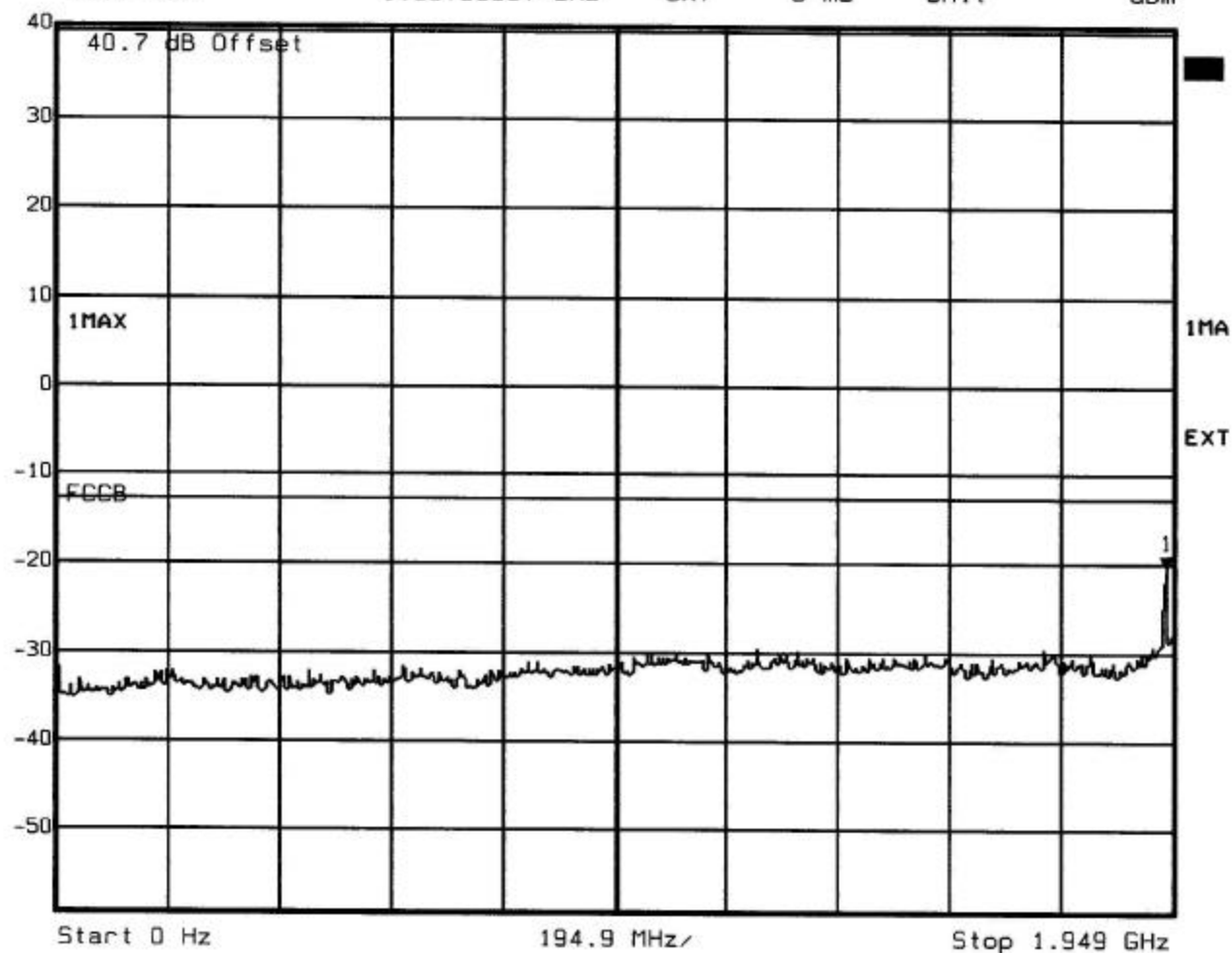
1.93728257 GHz

SWT

5 ms

Unit

dBm



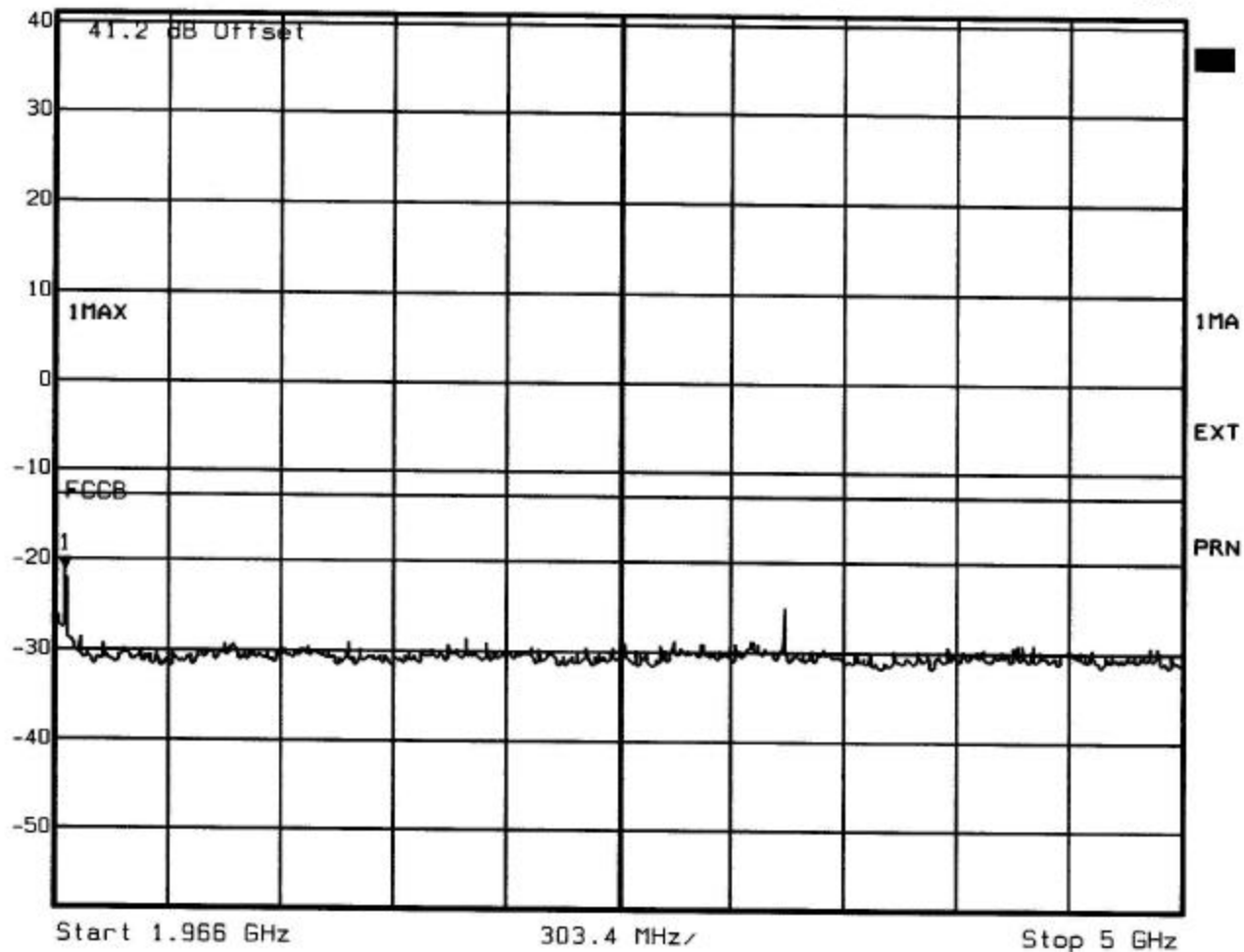
Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block B, TRX0 CHN684, TX PWR: 45.3dB, 2/2/2 Config.

Date: 10.MAY.2000 15:27:16



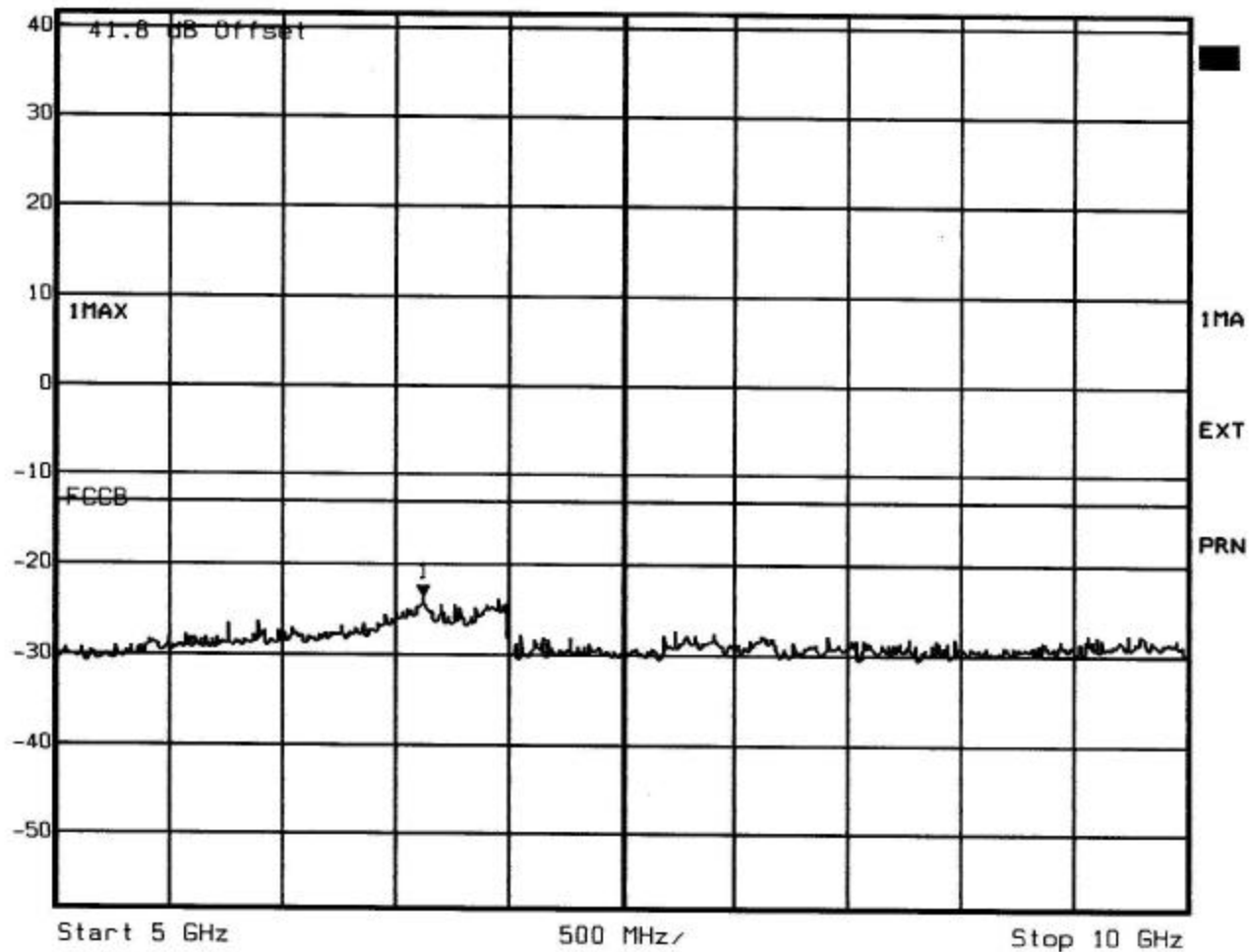
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -21.16 dBm VBW 1 MHz
41.2 dBm 1.99032064 GHz SWT 8 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block B, TRX0 CHN684, TX PWR: 45.3dB, 2/2/2 Config.
Date: 10.MAY.2000 15:27:45

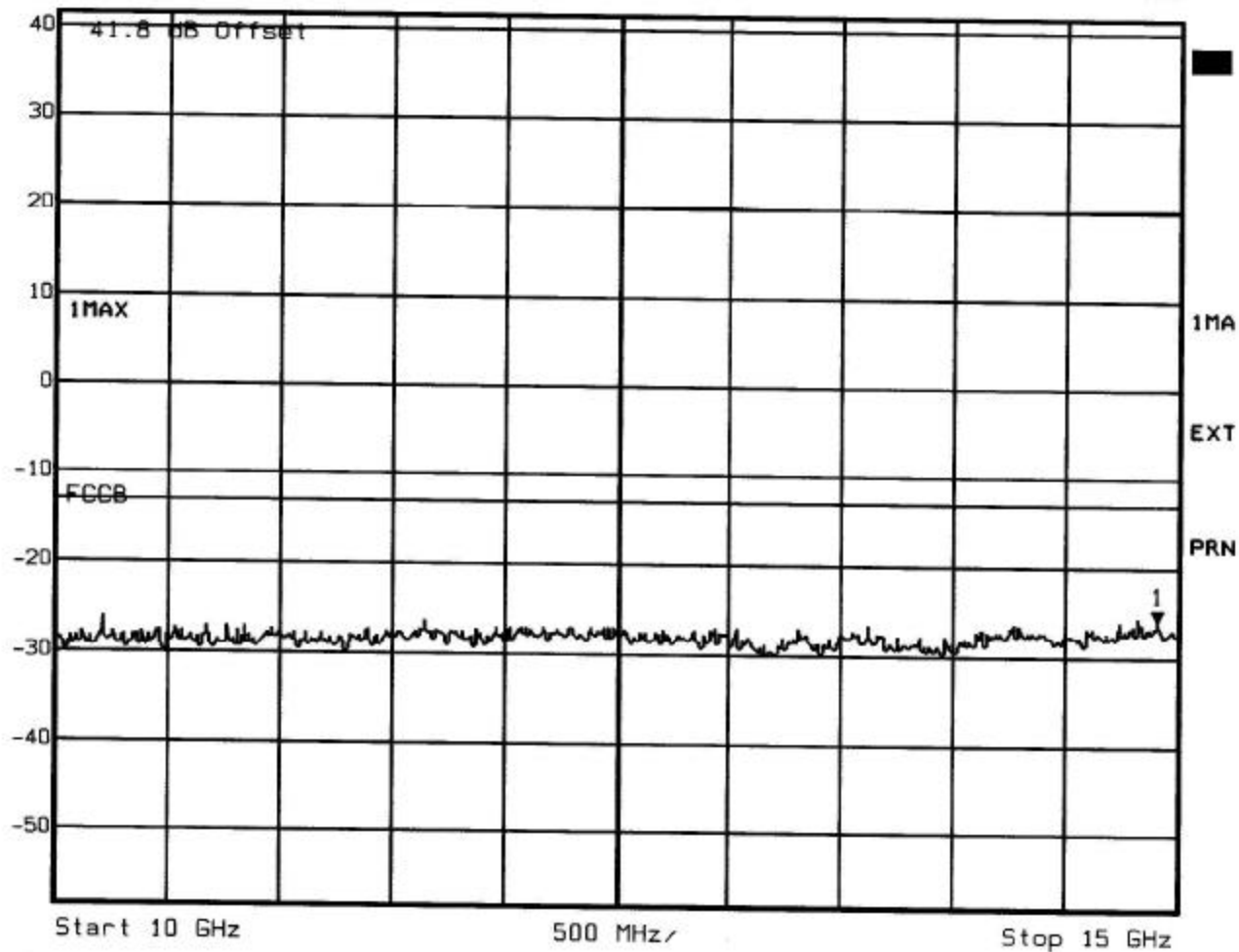


Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -23.63 dBm VBW 1 MHz
41.8 dBm 6.62324649 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block B, TRXD CHN684, TX PWR: 45.3dB, 2/2/2 Config.
Date: 10.MAY.2000 15:28:06

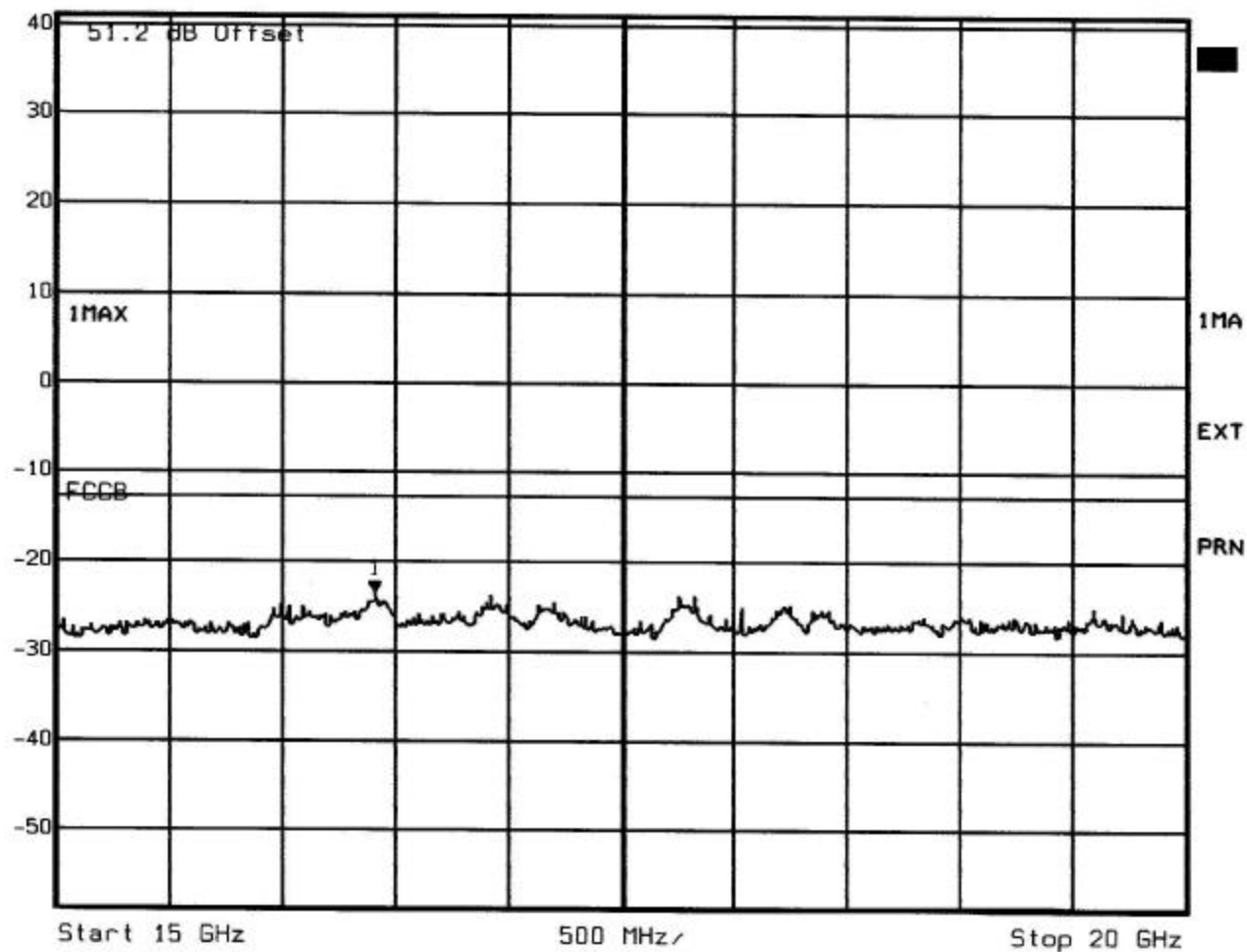
	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	-25.91 dBm	VBW	1 MHz	
	41.8 dBm	14.90981964 GHz	SWT	29 ms	Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
 Comment A: Block B, TRX0 CHN684, TX PWR: 45.3dB, 2/2/2 Config.
 Date: 10.MAY.2000 15:28:24



Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl -23.73 dBm VBW 1 MHz
41.2 dBm 16.41282565 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block B, TRX0 CHN684, TX PWR: 45.3dB, 2/2/2 Config.
Date: 10.MAY.2000 15:29:08

MEASUREMENT: 4

MEASUREMENT

OF

SPURIOUS EMISSIONS

1 TRX WITHOUT COMBINER

BLOCK C

(1975 – 1990 MHz)

Left Edge:	1975.4 MHz (Channel 738)
Right Edge:	1989.6 MHz (Channel 809)



Marker 1 [T1]

RBW

10 kHz

RF Att

20 dB

Ref Lvl

40.91 dBm

VBW

10 kHz

50.2 dBm

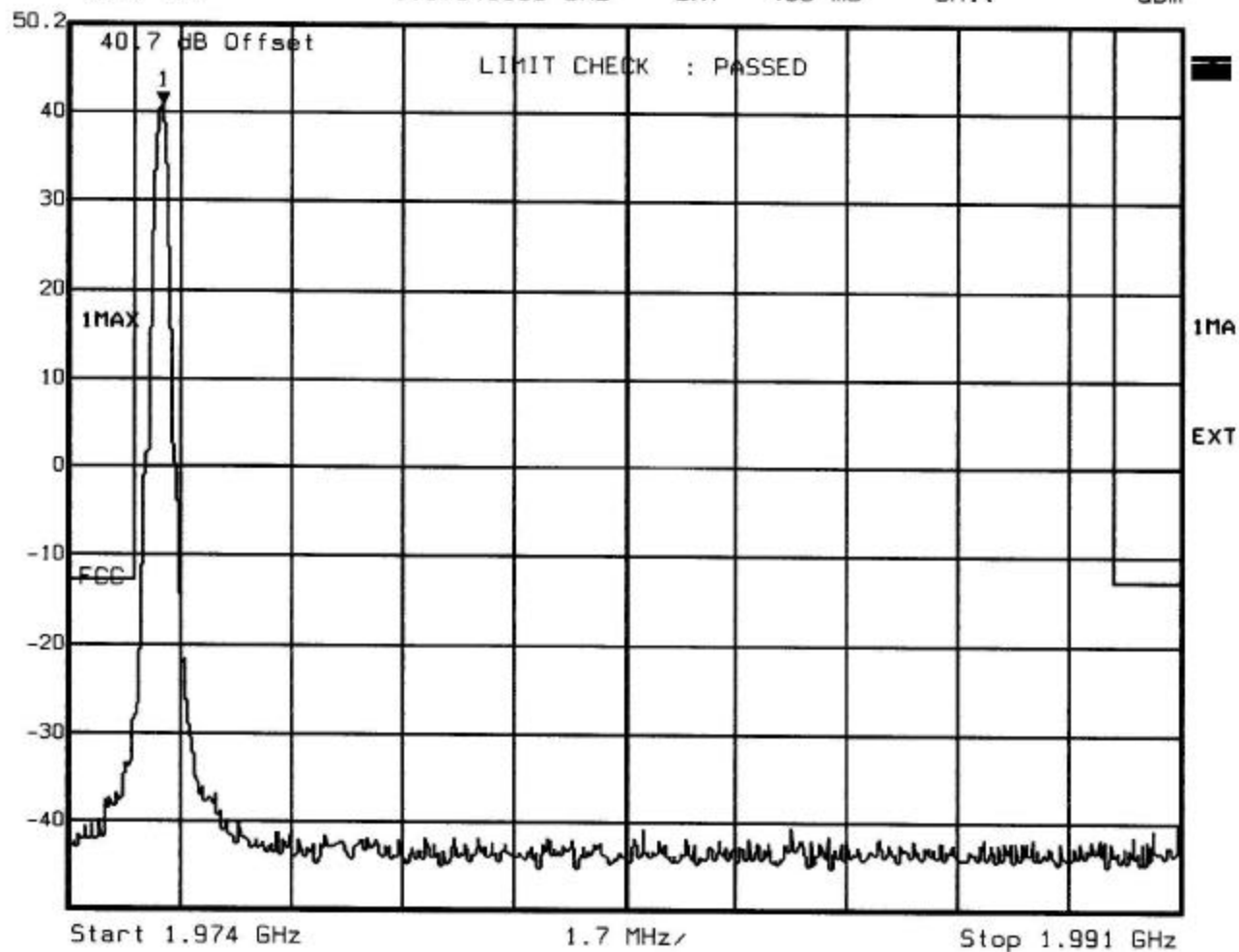
1.97543086 GHz

SWT

430 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block C, TRX0 CHN738, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 8:26:45



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-20.99 dBm

VBW

1 MHz

41.4 dBm

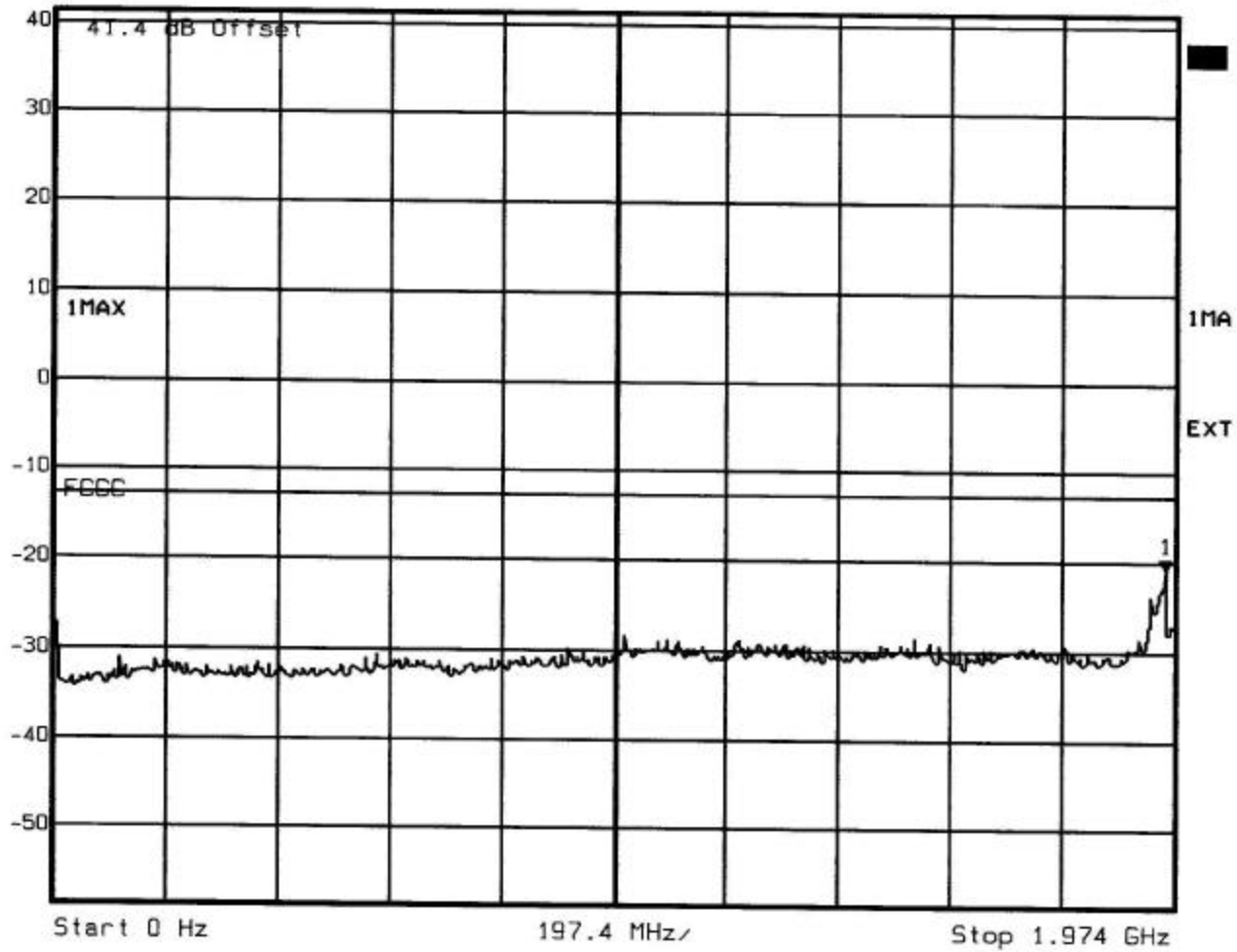
1.95703206 GHz

SWT

5 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block C, TRXD CHN 738, TX PWR: 45.3dBm, 2/2/2 Config
Date: 16.MAY.2000 9:35:10



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-25.43 dBm

VBW

1 MHz

32.3 dBm

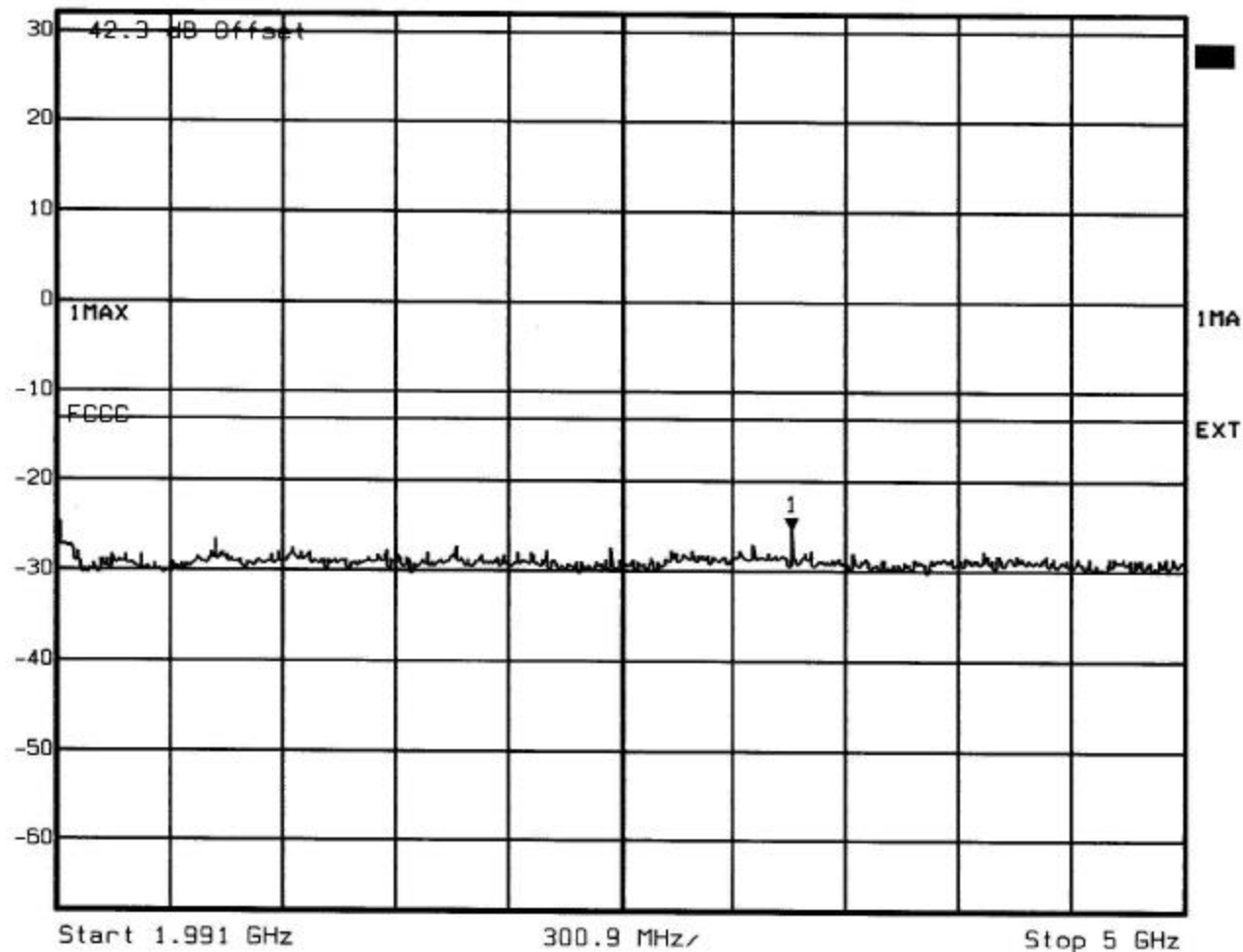
3.95076954 GHz

SWT

8 ms

Unit

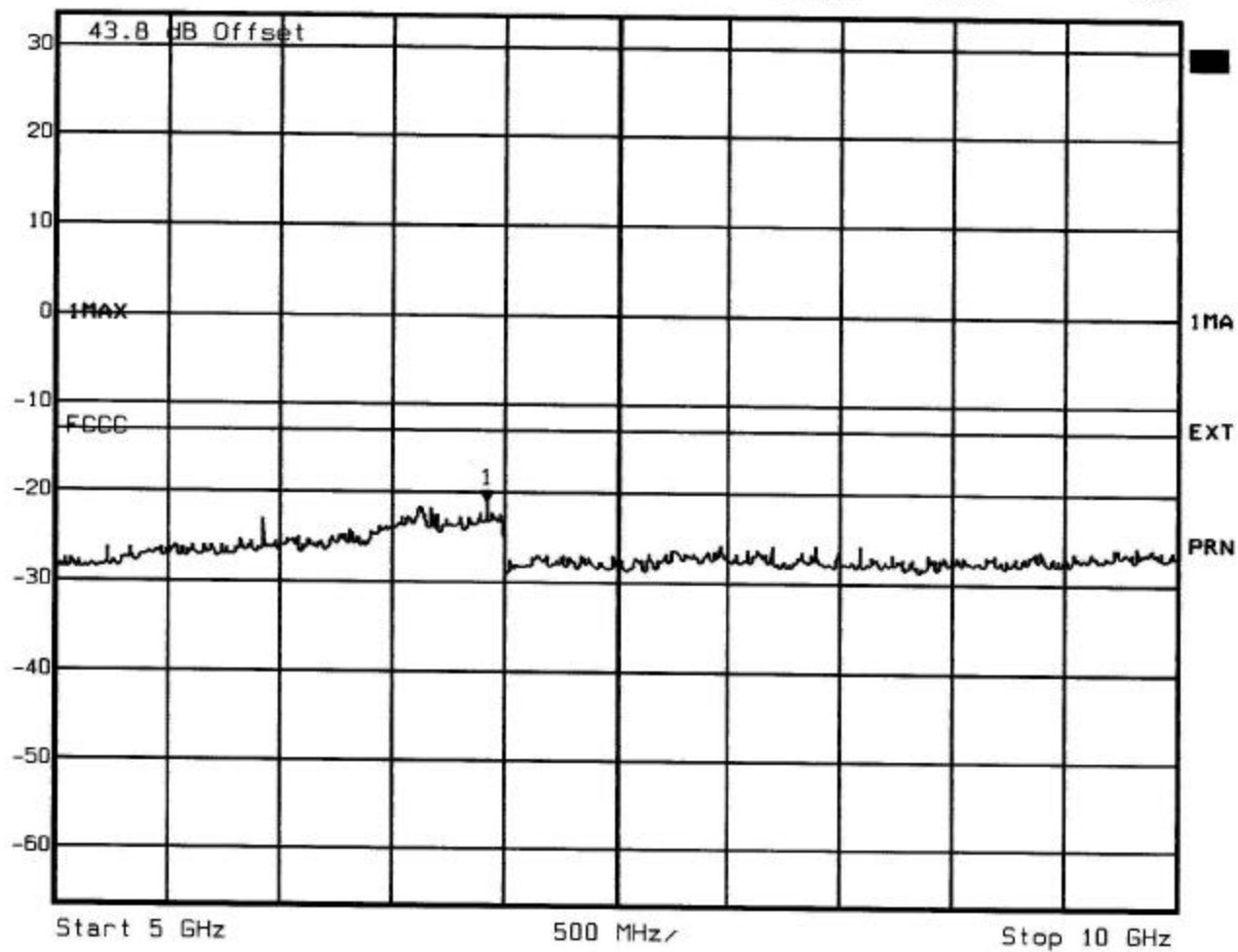
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block C, TRX0 CHN 738, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 10:37:38



Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -21.13 dBm VBW 1 MHz
33.8 dBm 6.92384770 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block C, TRX0 CHN 738, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 10:38:03



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-23.87 dBm

VBW

1 MHz

33.8 dBm

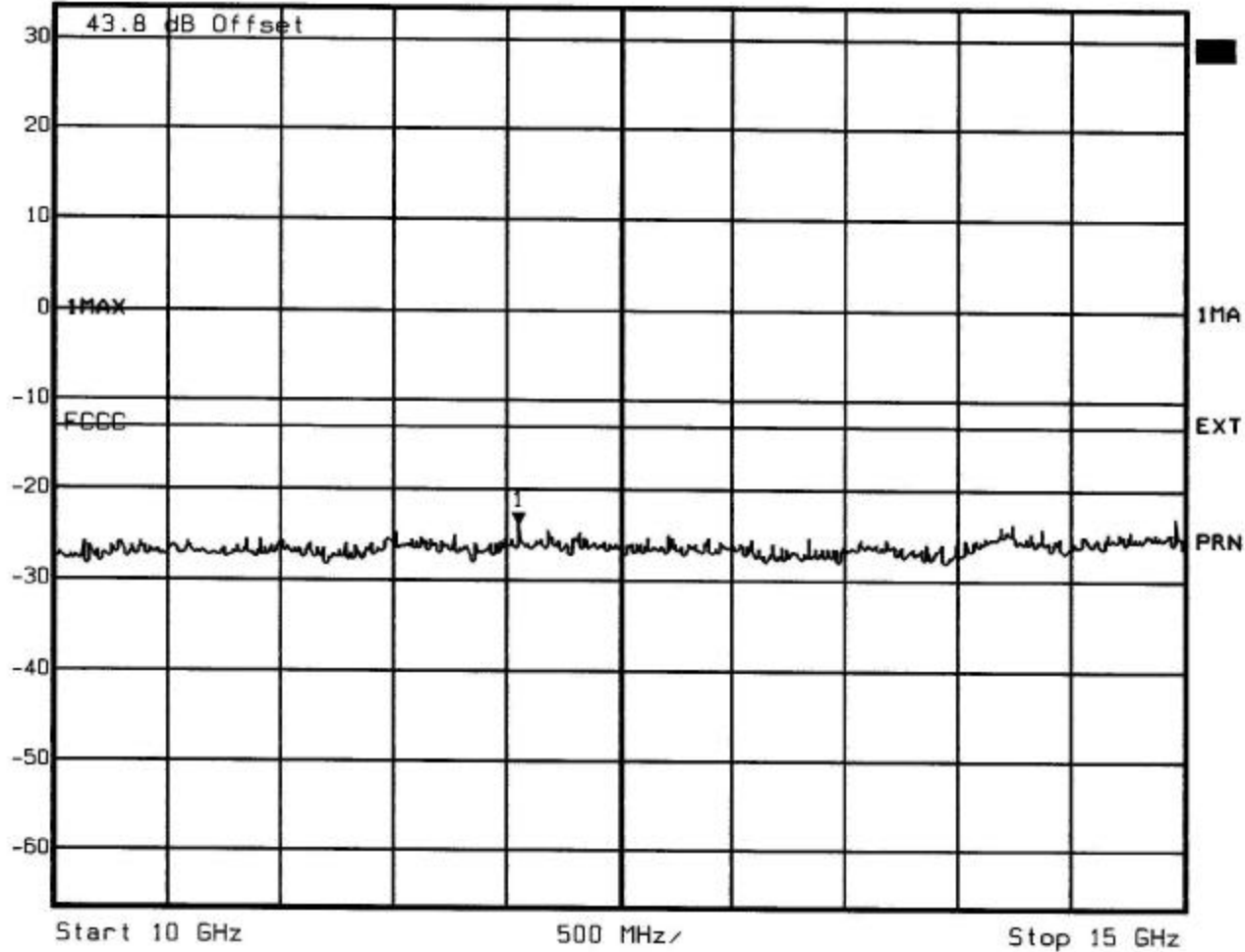
12.05410822 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block C, TRX0 CHN 738, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 10:38:24



Marker 1 [T1]

RBW

1 MHz

RF Att

0 dB

Ref Lvl

-31.70 dBm

VBW

1 MHz

33.8 dBm

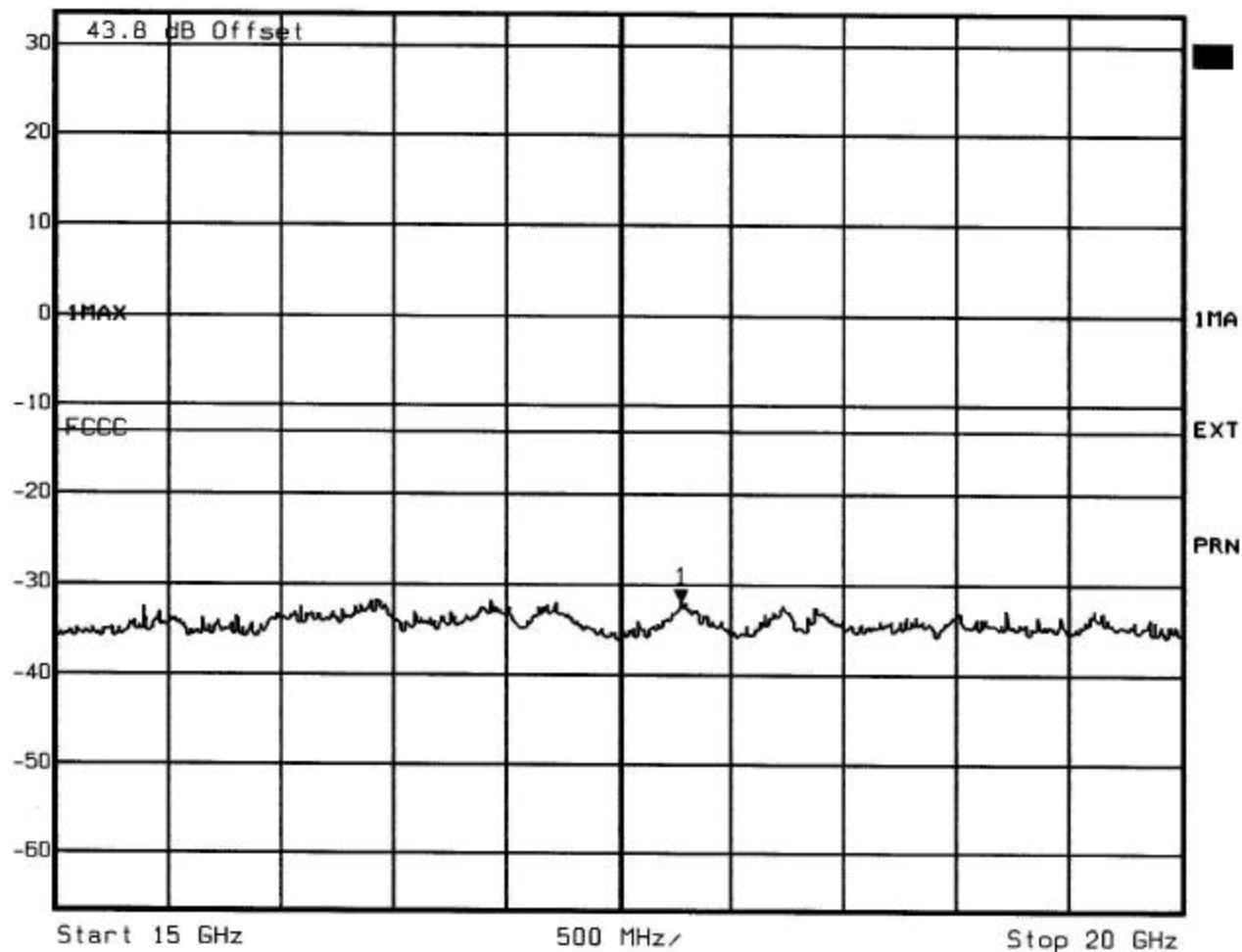
17.77555110 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block C, TRX0 CHN 738, TX PWR: 45.9dBm, 2/2/2 Config

Date: 16.MAY.2000 10:39:22



Marker 1 [T1]

RBW 10 kHz

RF Att 20 dB

Ref Lvl

41.06 dBm

VBW 10 kHz

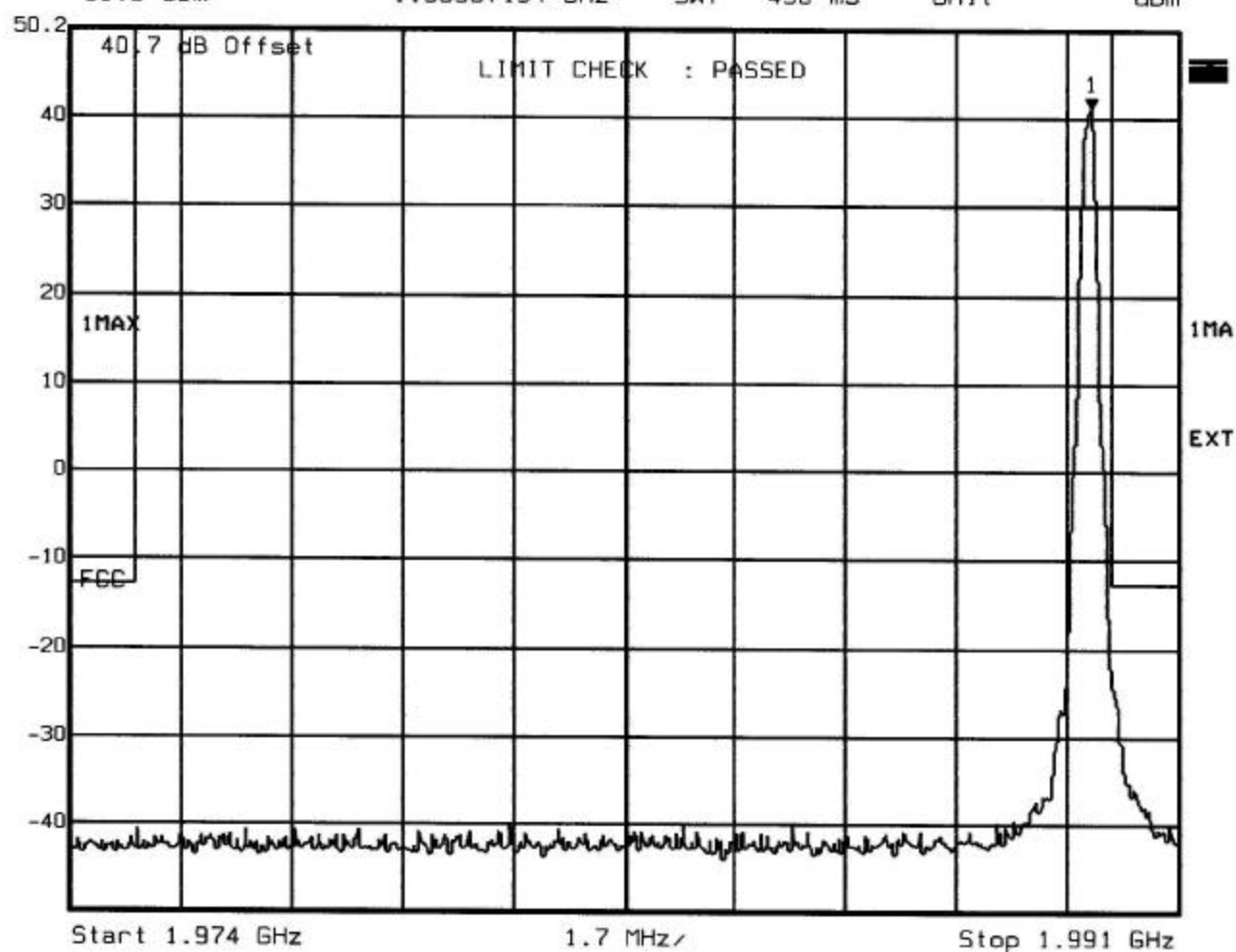
50.2 dBm

1.98967134 GHz

SWT 430 ms

Unit

dBm



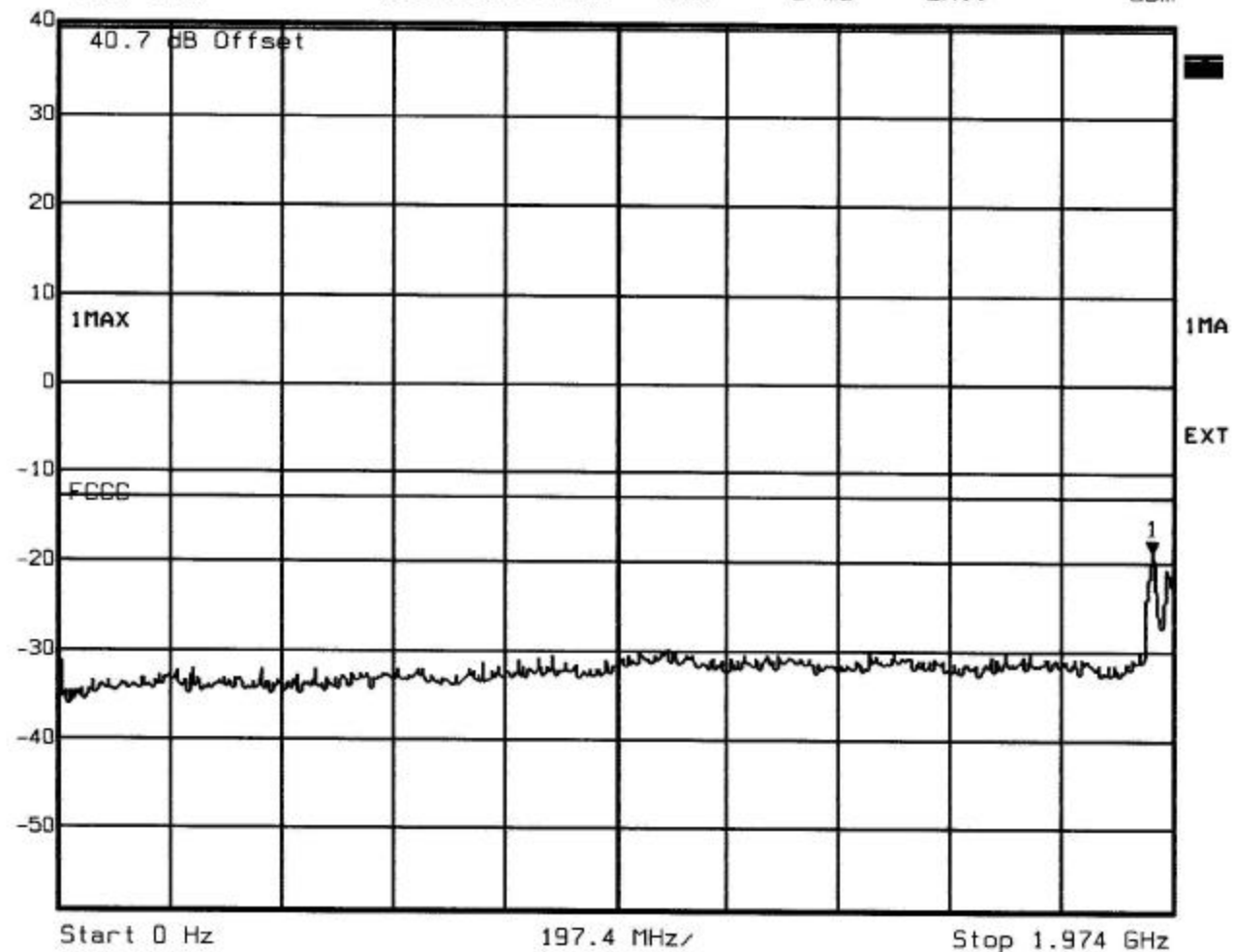
Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block C, TRX0 CHN809, TX PWR: 45.2dB, 2/2/2 Config.

Date: 11.MAY.2000 8:27:56



Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -19.04 dBm VBW 1 MHz
40.7 dBm 1.93839679 GHz SWT 5 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: AS5FLX-01
Comment A: Block C, TRX0 CHN809, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 8:28:51



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-23.62 dBm

VBW

1 MHz

41.2 dBm

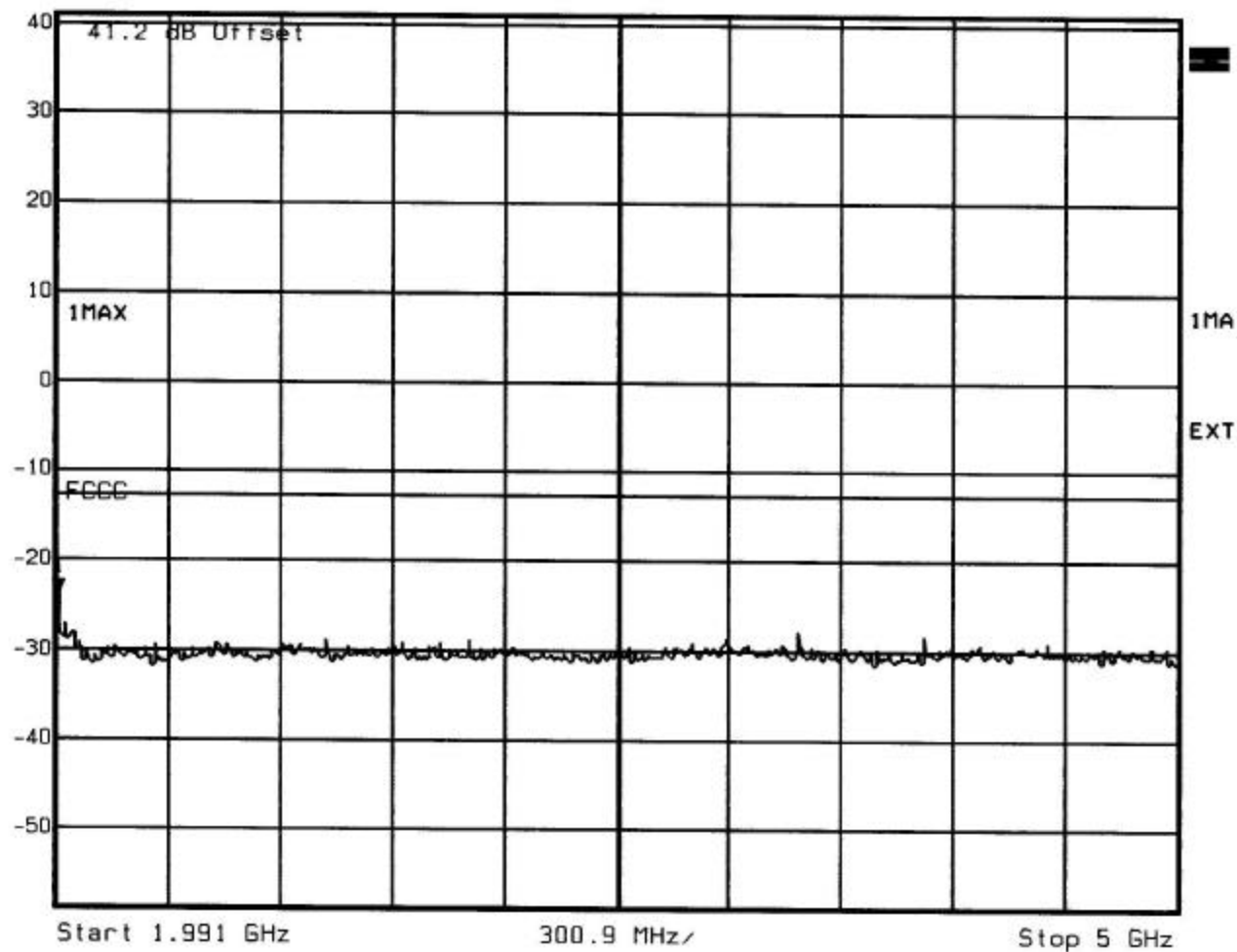
1.99703006 GHz

SWT

8 ms

Unit

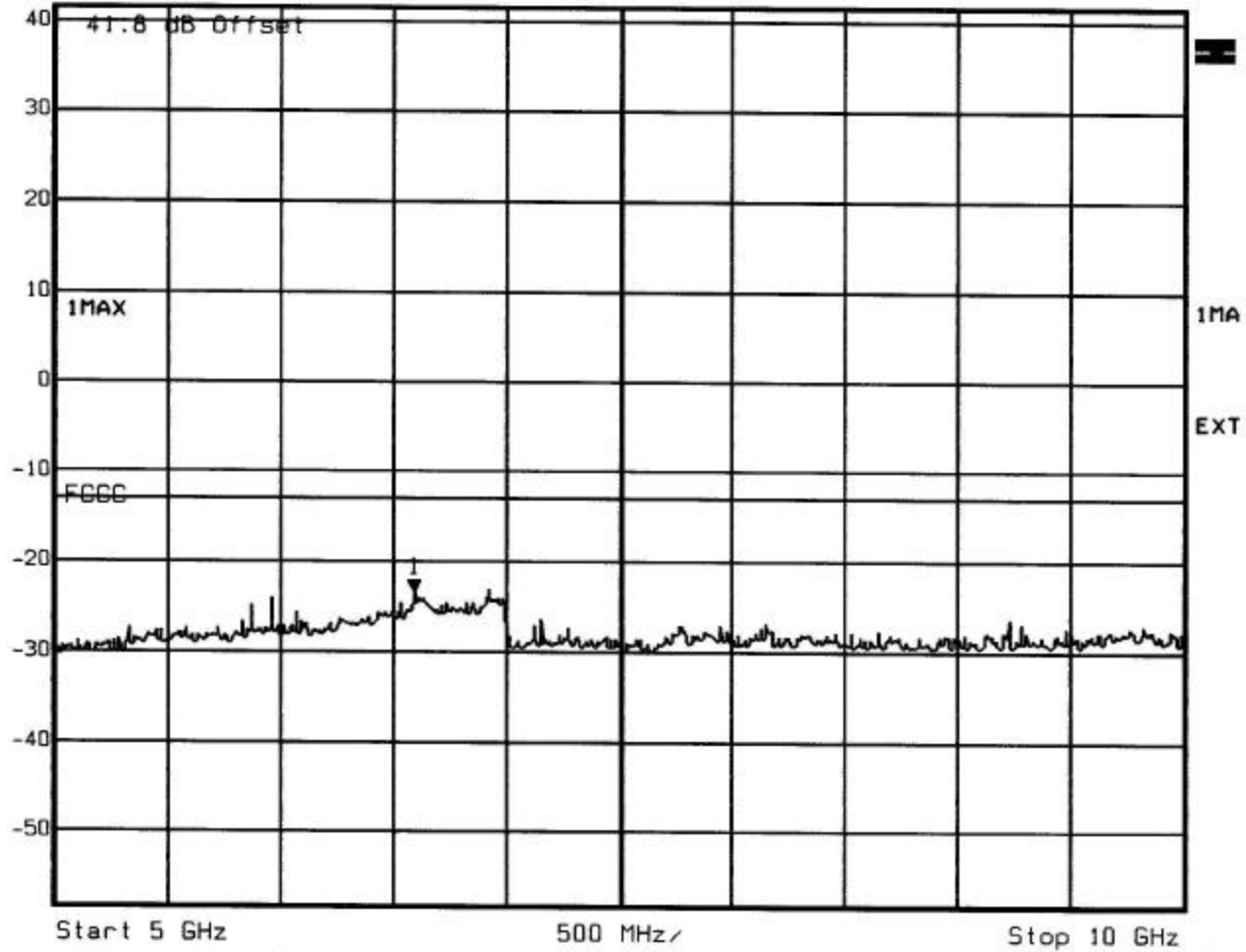
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block C, TRX0 CHN809, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 8:29:33



Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -23.33 dBm VBW 1 MHz
41.8 dBm 6.59318637 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: AS5FLX-01
Comment A: Block C, TRX0 CHN809, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 8:30:18



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-23.44 dBm

VBW

1 MHz

42.7 dBm

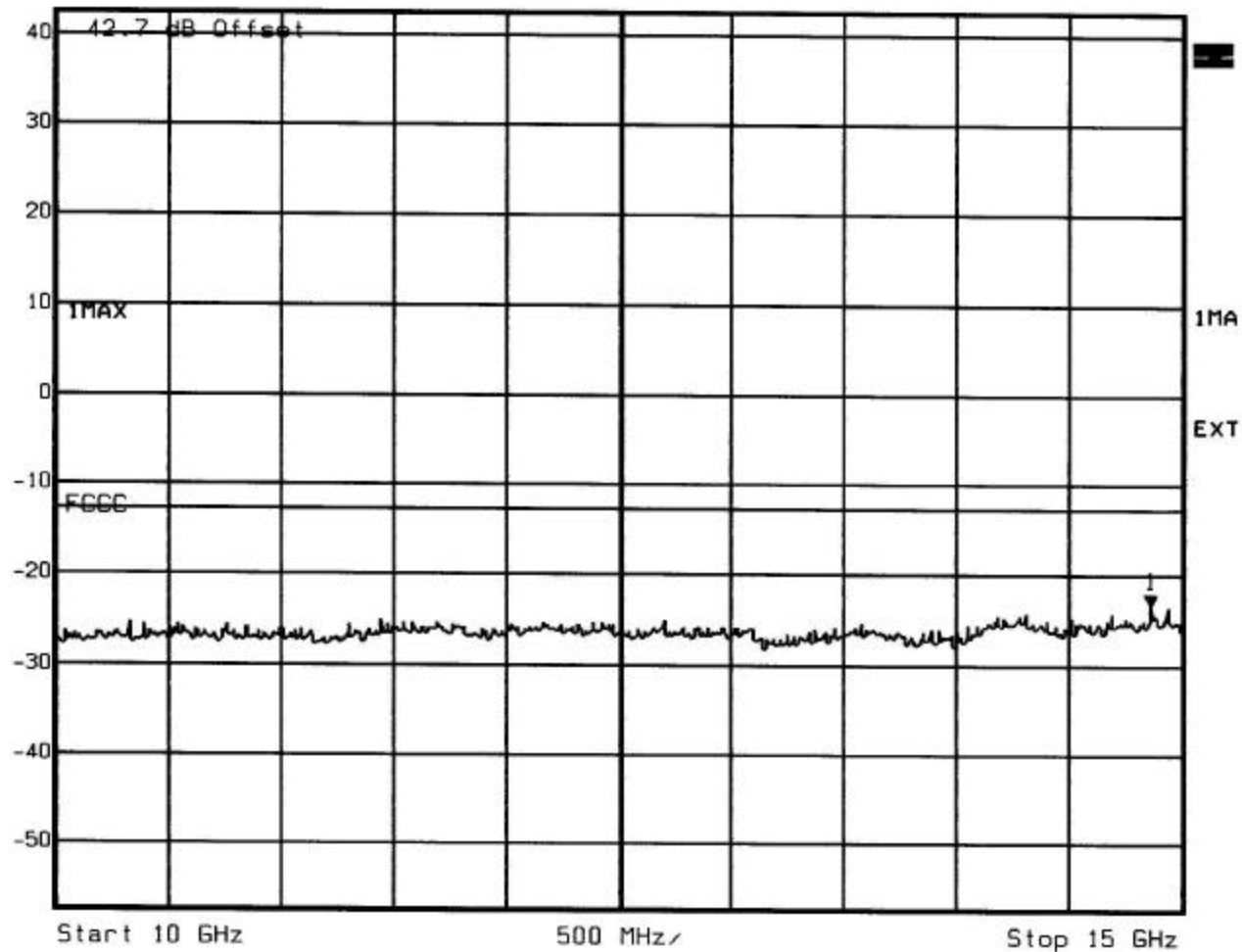
14.85971944 GHz

SWT

29 ms

Unit

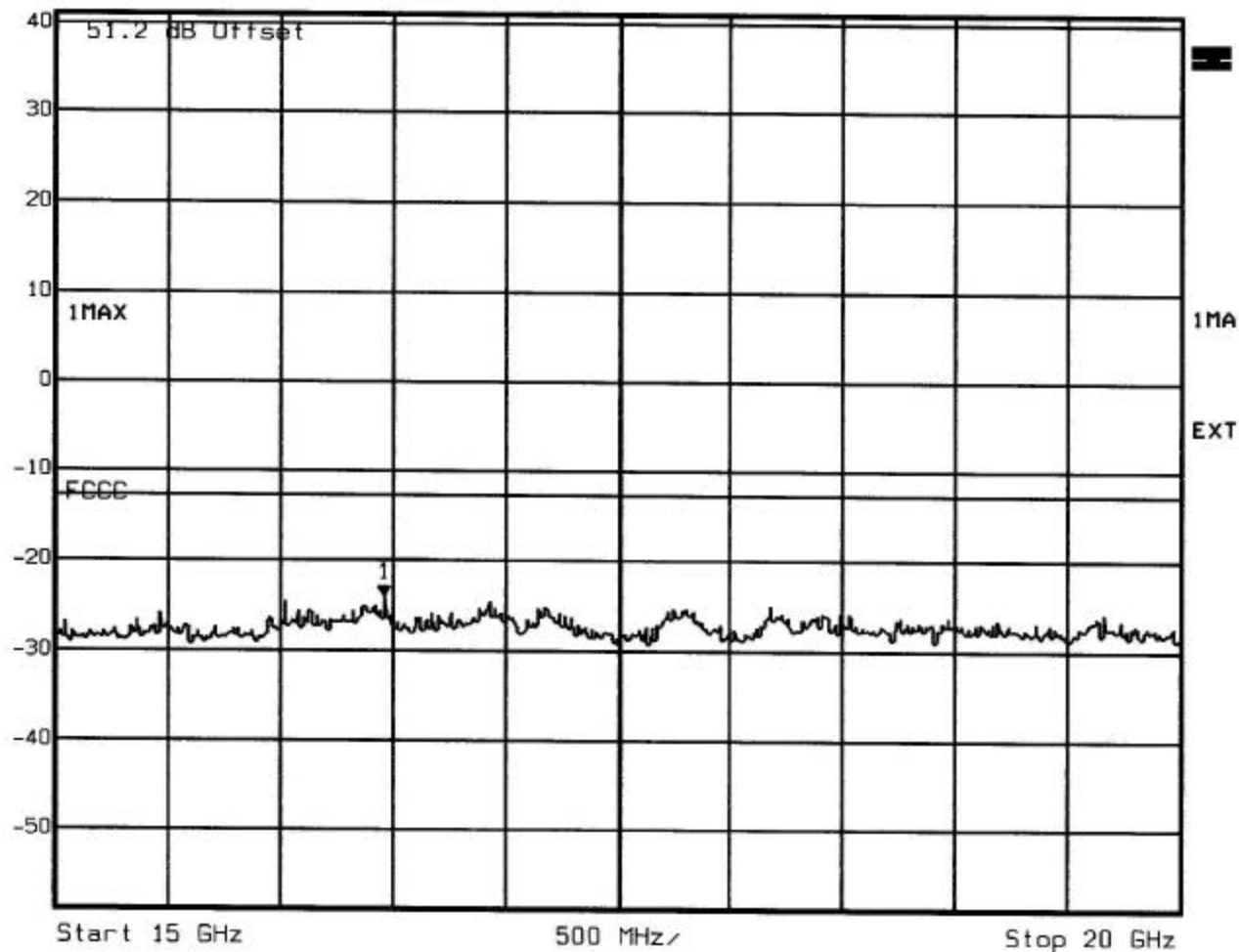
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block C, TRXD CHN809, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 8:31:14



Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl -24.09 dBm VBW 1 MHz
41.2 dBm 16.46292585 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block C, TRX0 CHN809, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 8:33:07

MEASUREMENT: 4

MEASUREMENT

OF

SPURIOUS EMISSIONS

1 TRX WITHOUT COMBINER

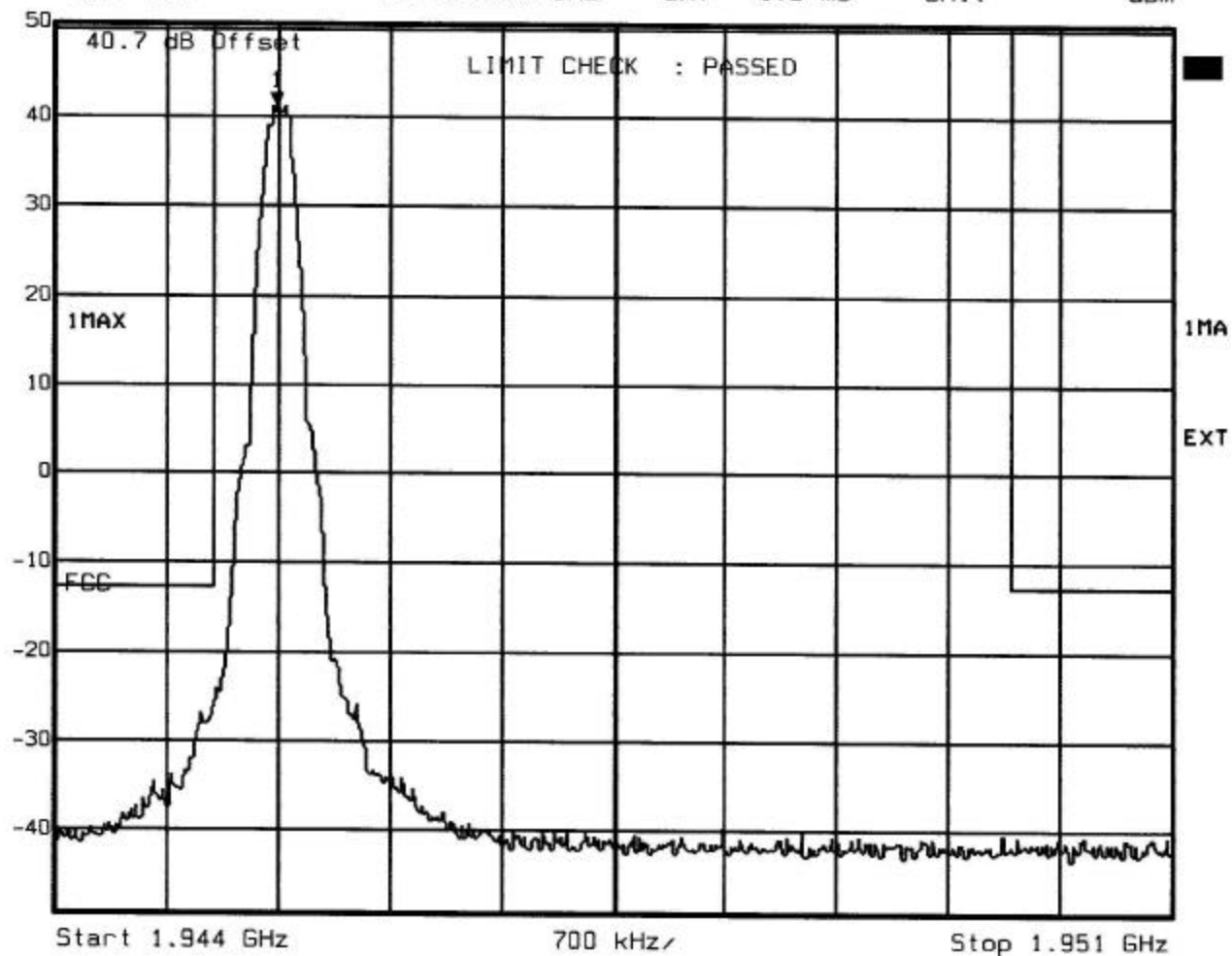
BLOCK D

(1945 – 1950 MHz)

Left Edge:	1945.4 MHz (Channel 588)
Right Edge:	1949.6 MHz (Channel 609)



Marker 1 [T1] RBW 10 kHz RF Att 20 dB
Ref Lvl 41.34 dBm VBW 10 kHz
50.7 dBm 1.94538878 GHz SWT 175 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN588, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:10:56



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-27.77 dBm

VBW

1 MHz

41.4 dBm

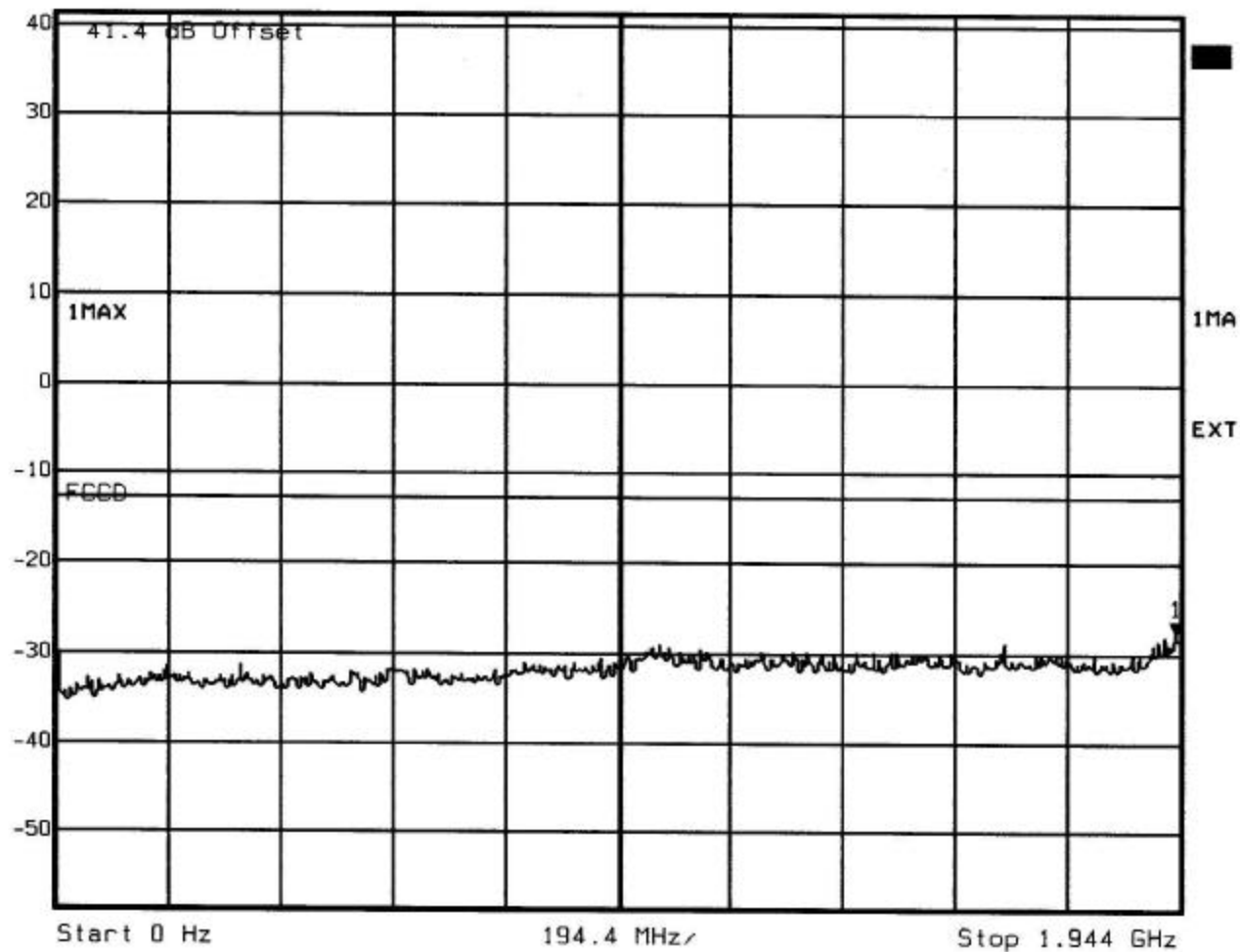
1.93620842 GHz

SWT

5 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block D, TRXD CHN 588, TX PWR: 45.7dBm, 2/2/2 Config

Date: 16.MAY.2000 9:57:41



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-23.29 dBm

VBW

1 MHz

32.3 dBm

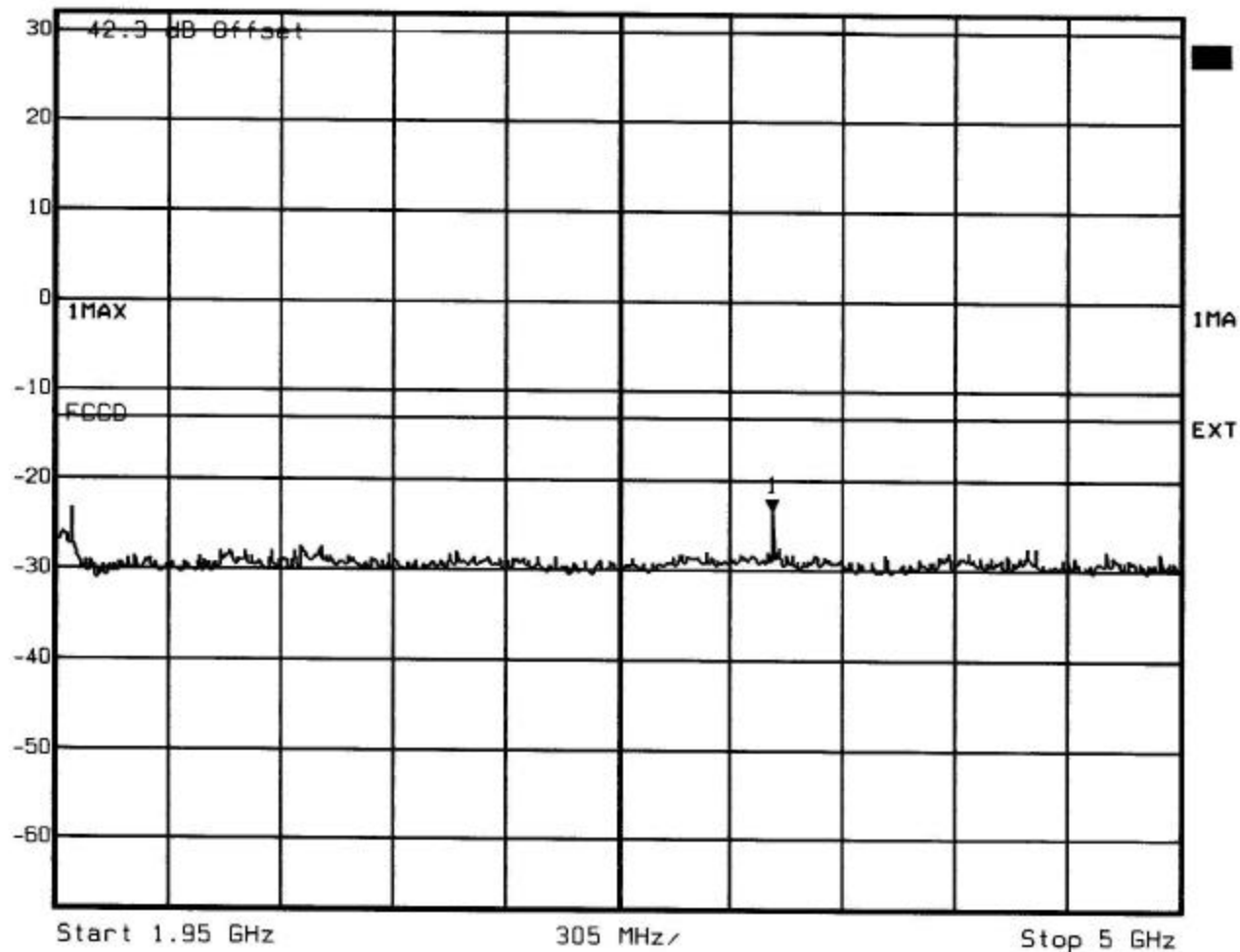
3.89368737 GHz

SWT

8 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN 588, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 12:29:36



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-21.17 dBm

VBW

1 MHz

33.8 dBm

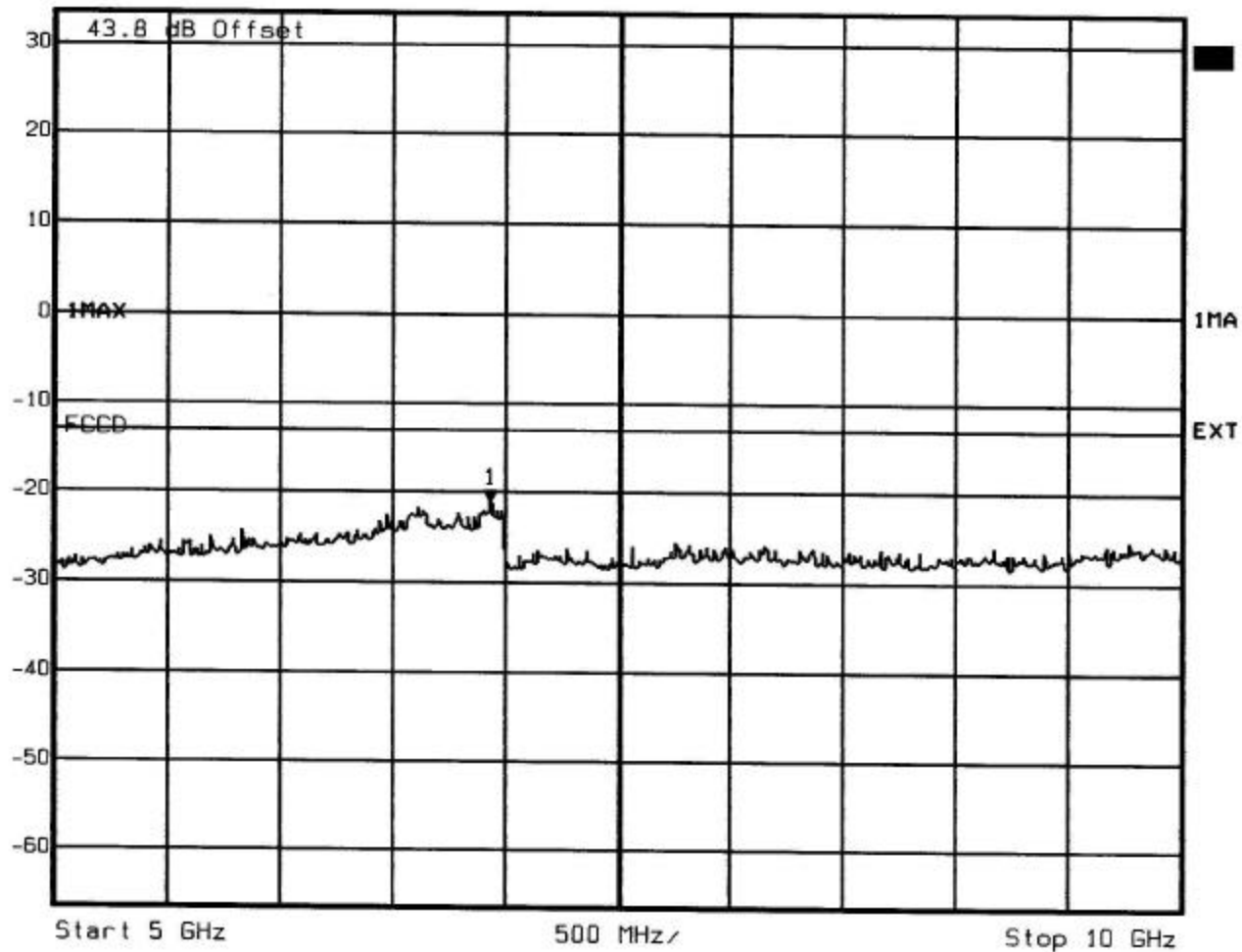
6.93386774 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN 588, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 12:28:03



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-23.81 dBm

VBW

1 MHz

33.8 dBm

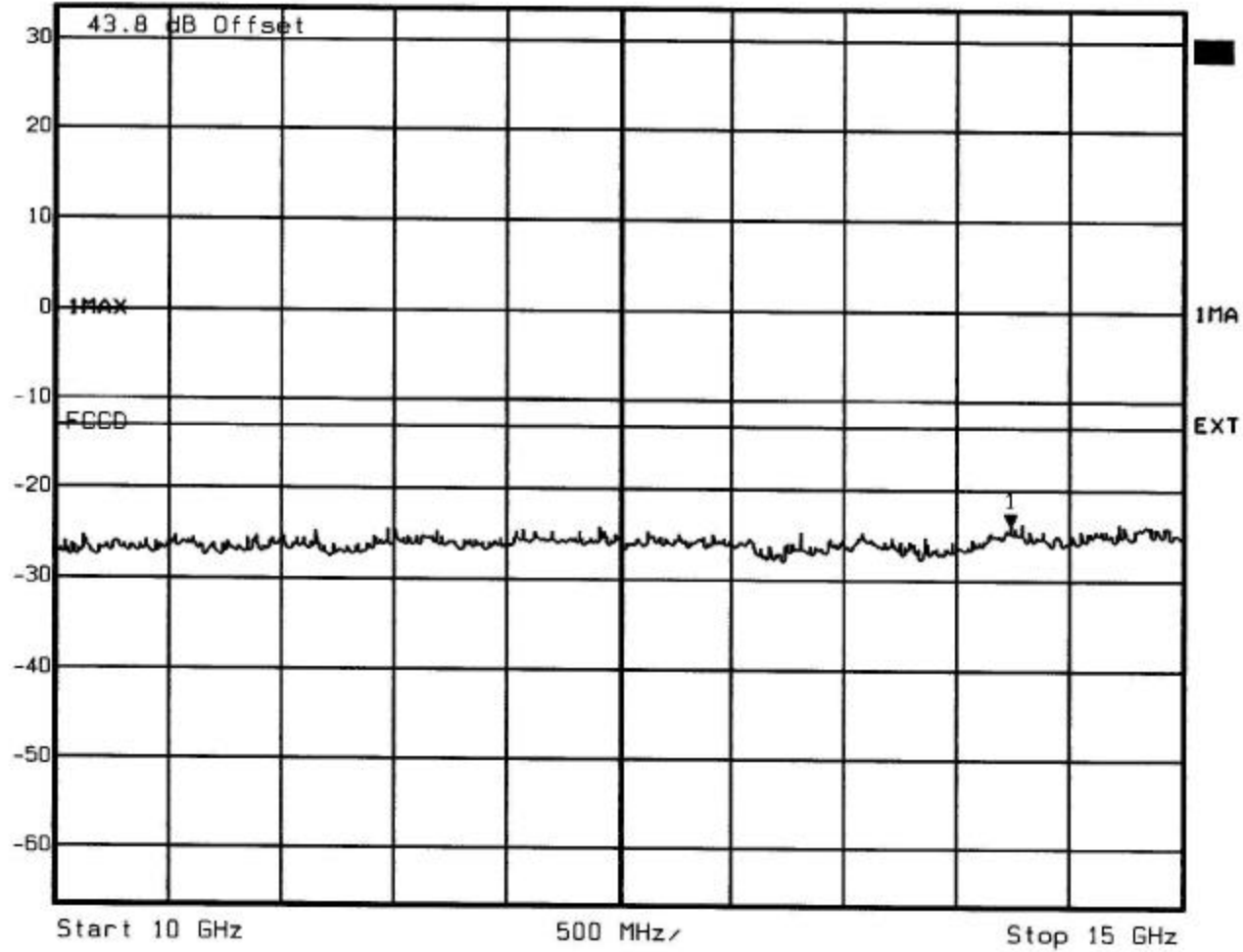
14.23847695 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block D, TRXD CHN 588, TX PWR: 45.9dBm, 2/2/2 Config

Date: 16.MAY.2000 12:27:12



Marker 1 [T1]

RBW

1 MHz

RF Att

0 dB

Ref Lvl

-30.37 dBm

VBW

1 MHz

33.8 dBm

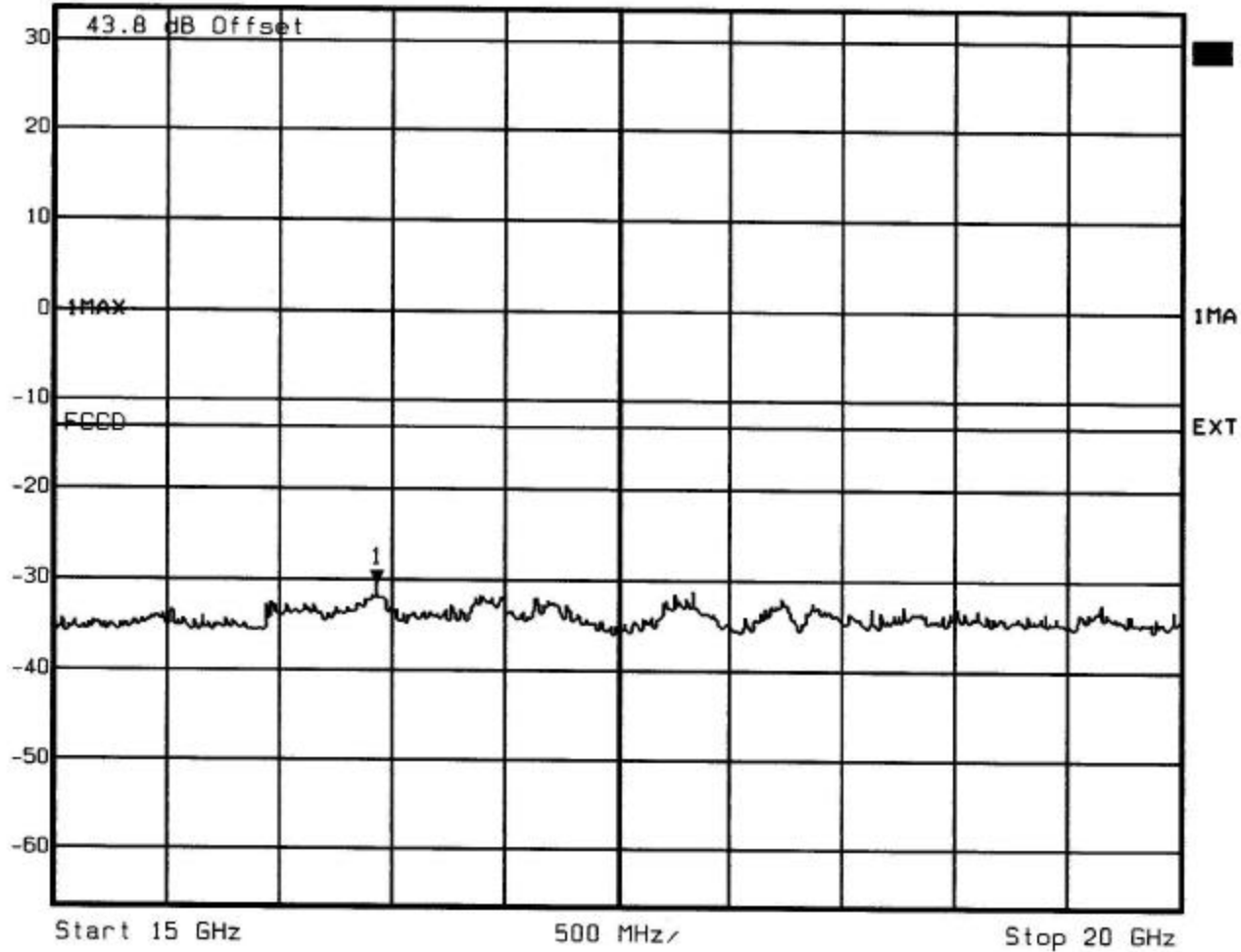
16.43286573 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01

Comment A: Block D, TRXD CHN 588, TX PWR: 45.9dBm, 2/2/2 Config

Date: 16.MAY.2000 12:24:15



Marker 1 [T1]

RBW

10 kHz

RF Att

20 dB

Ref Lvl

41.47 dBm

VBW

10 kHz

50.7 dBm

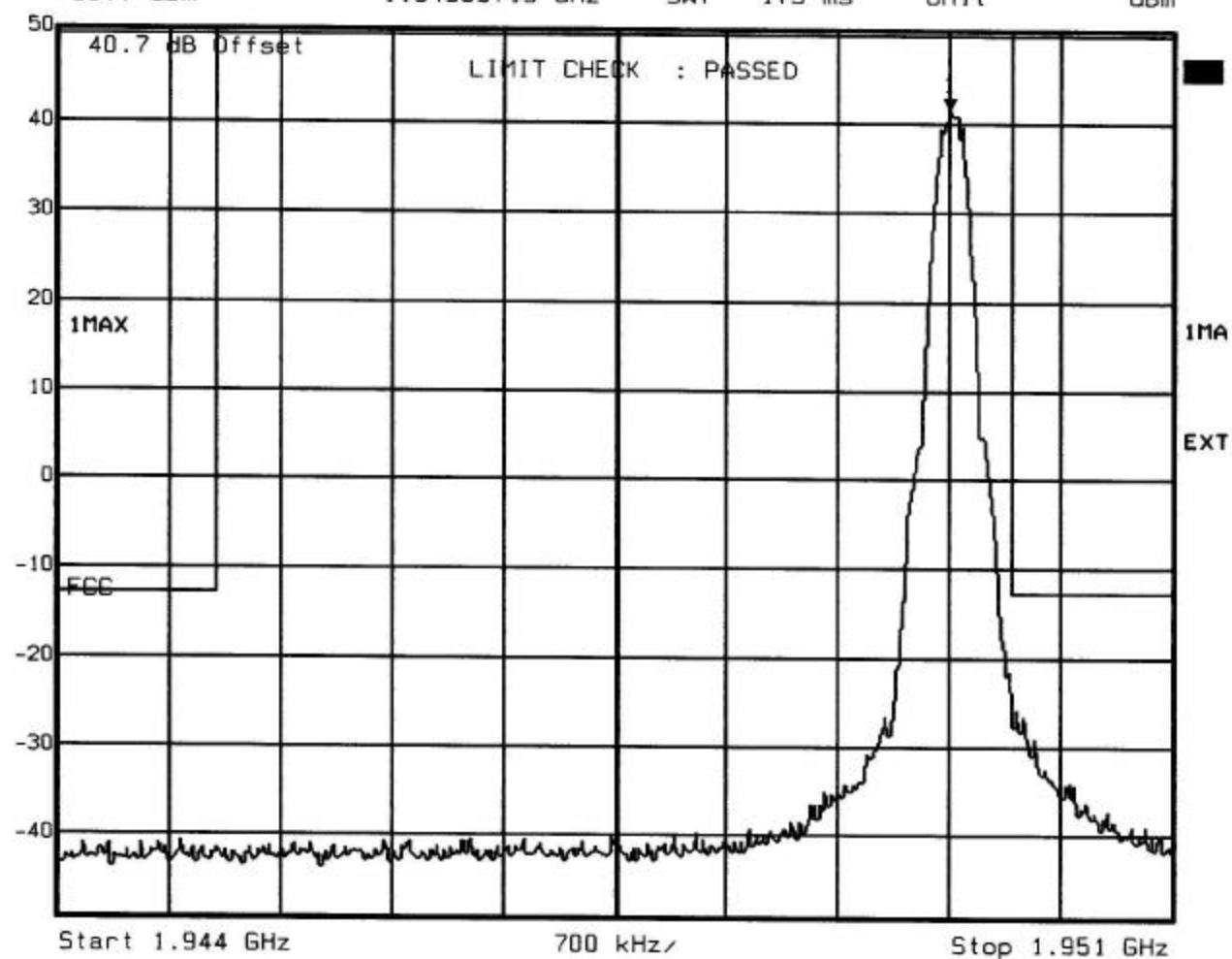
1.94959719 GHz

SWT

175 ms

Unit

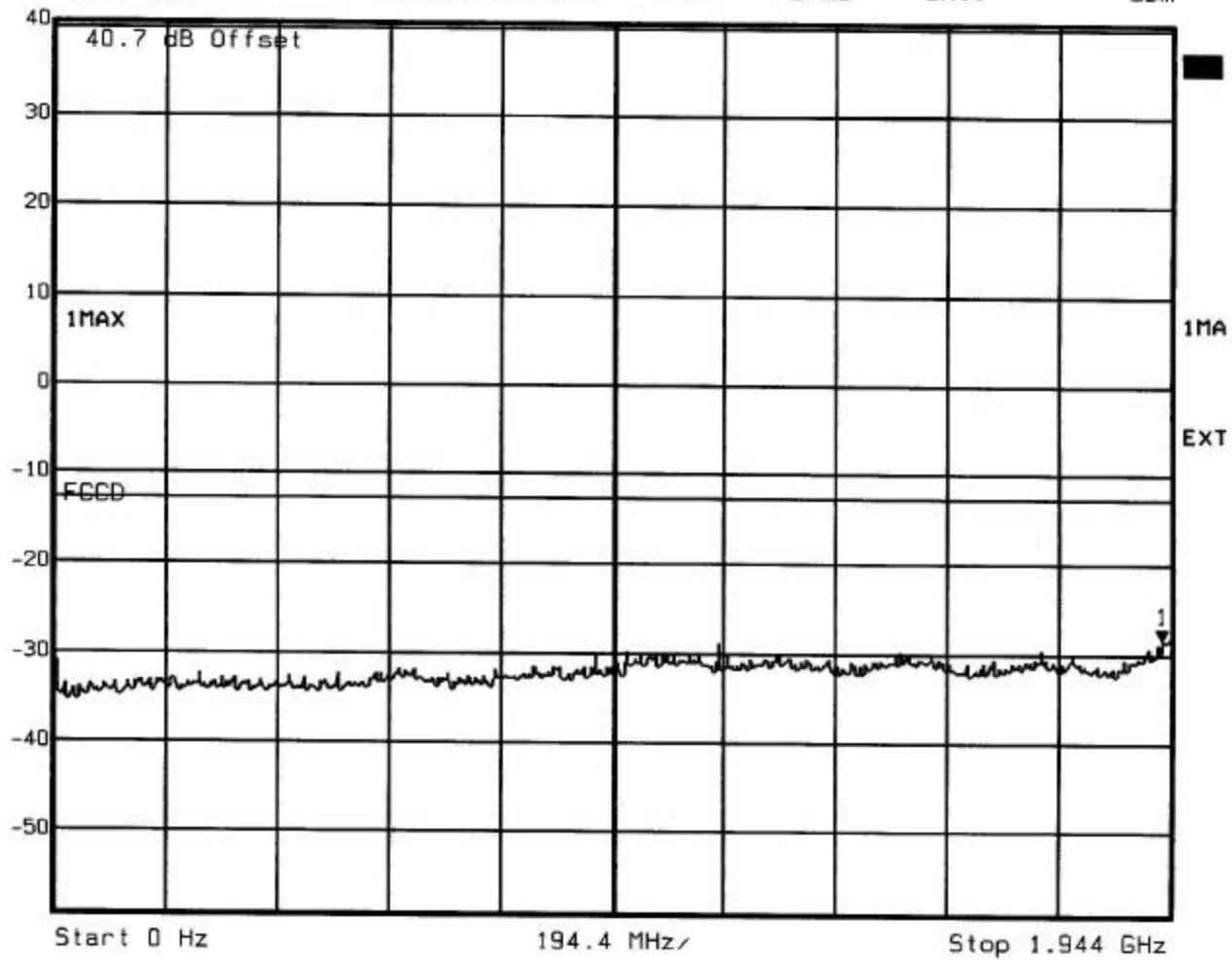
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN609, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:12:19



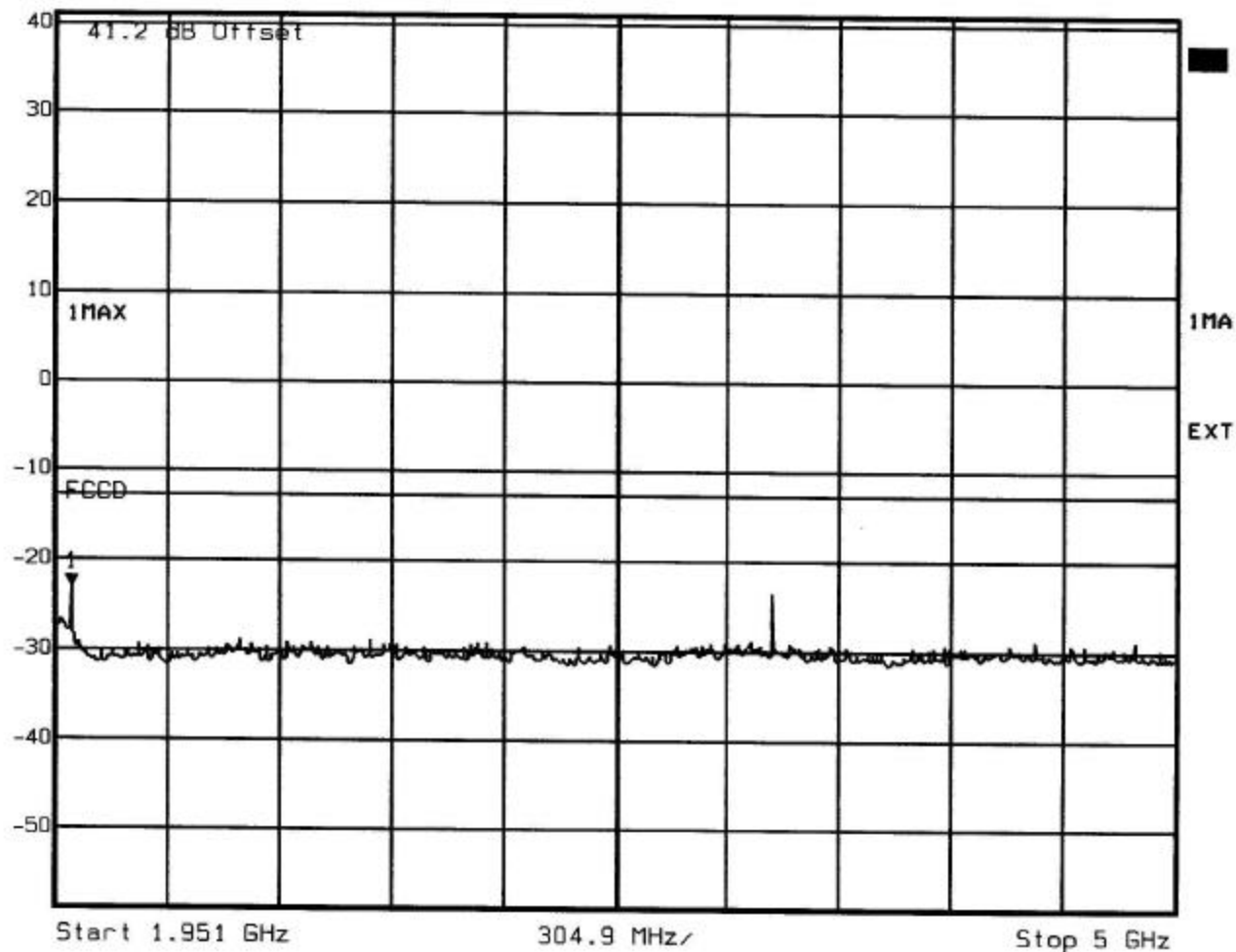
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -28.30 dBm VBW 1 MHz
40.7 dBm 1.92841683 GHz SWT 5 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN609, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:13:31



Ref Lvl 41.2 dBm Marker 1 [T1] -23.26 dBm 1.99377154 GHz RBW 1 MHz RF Att 10 dB VBW 1 MHz Unit dBm SWT 8 ms



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN609, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:14:09



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-23.79 dBm

VBW

1 MHz

41.8 dBm

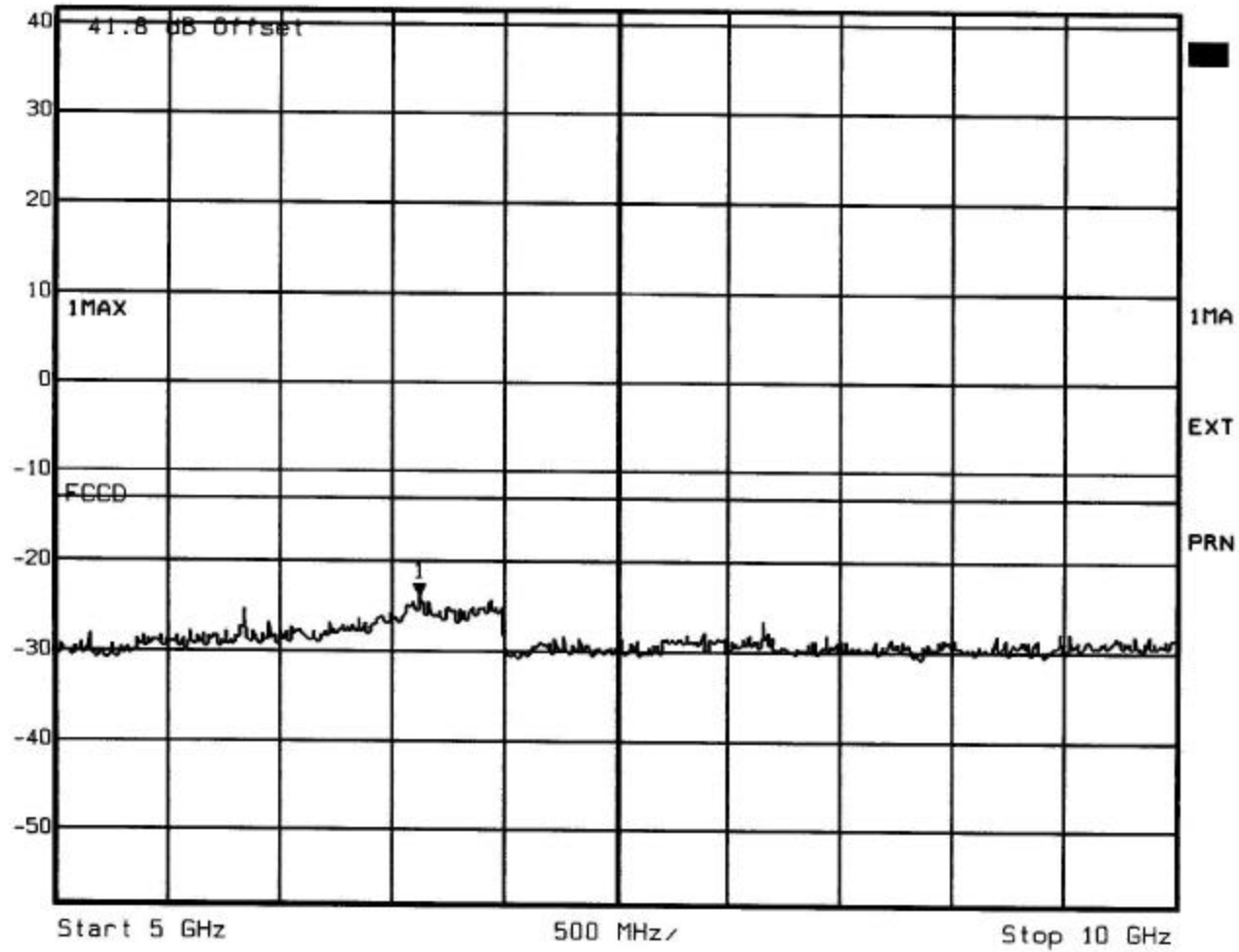
6.62324649 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN609, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:14:42



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-24.83 dBm

VBW

1 MHz

42.7 dBm

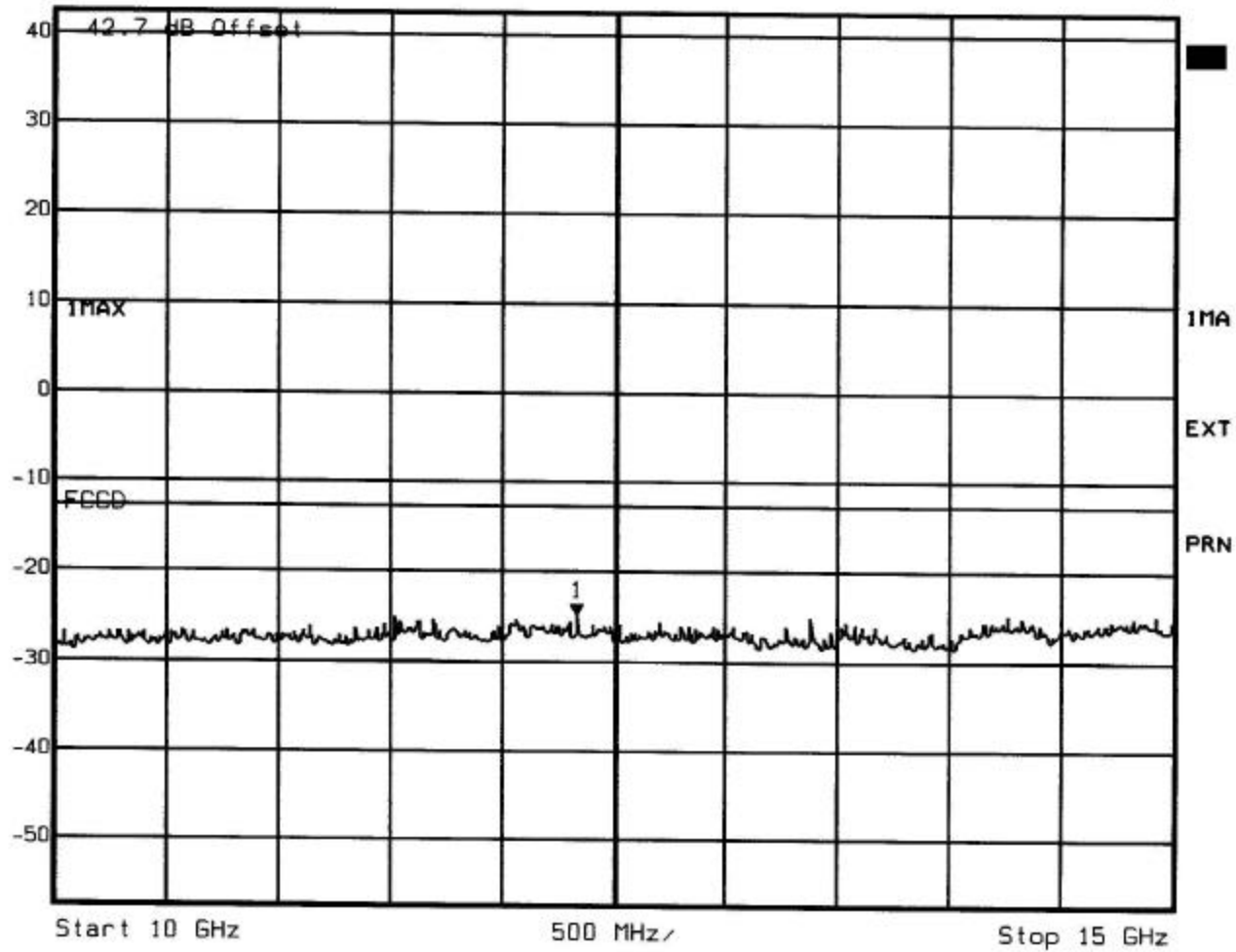
12.33466934 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN609, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:15:05



Marker 1 [T1]

RBW

1 MHz

RF Att

0 dB

Ref Lvl

-24.35 dBm

VBW

1 MHz

41.2 dBm

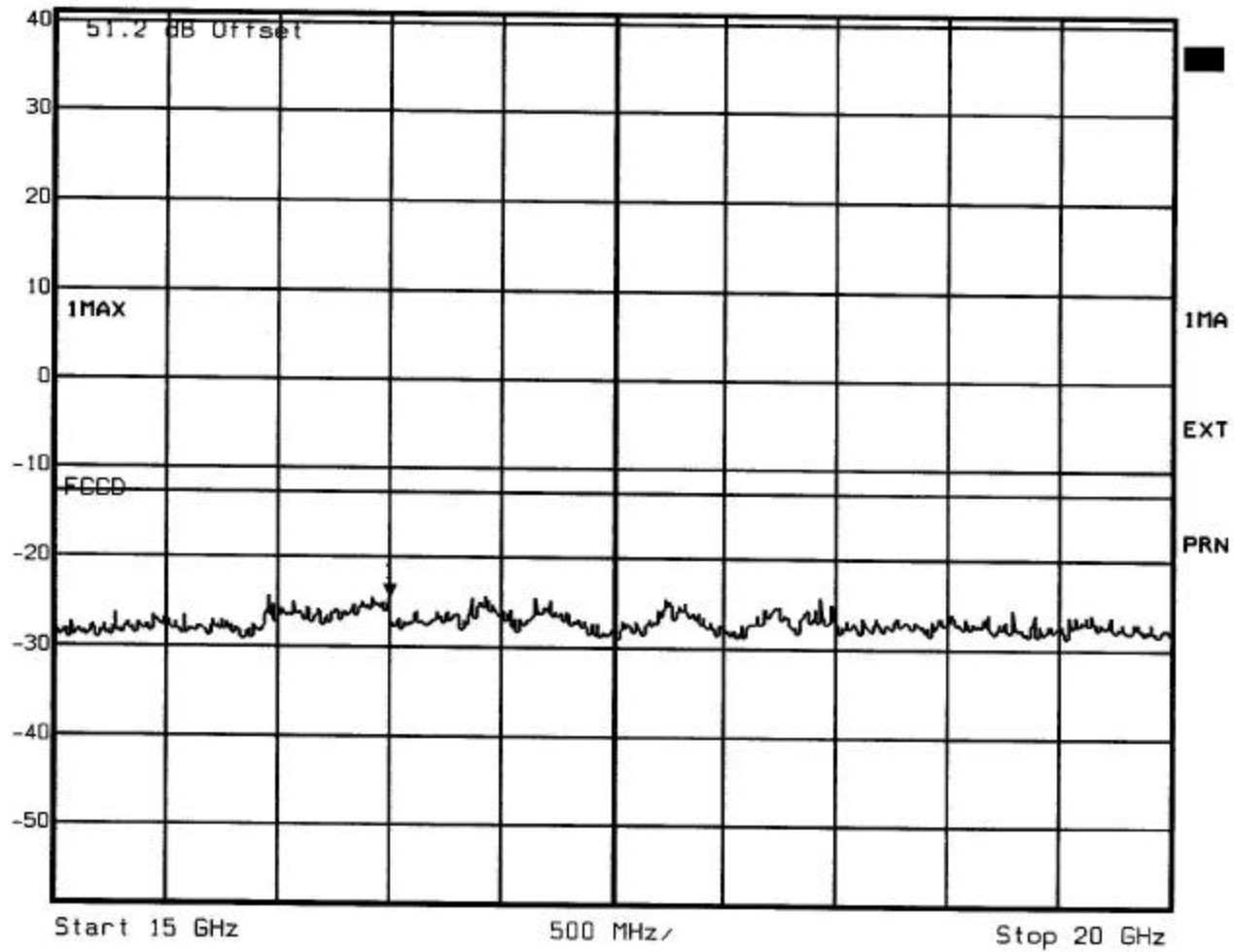
16.50300601 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block D, TRXD CHN609, TX PWR: 45.2dB, 2/2/2 Config.
Date: 10.MAY.2000 15:15:39

MEASUREMENT: 4

MEASUREMENT

OF

SPURIOUS EMISSIONS

1 TRX WITHOUT COMBINER

BLOCK E

(1965 – 1970 MHz)

Left Edge:	1965.4 MHz (Channel 688)
Right Edge:	1969.6 MHz (Channel 709)



Marker 1 [T1]

RBW

10 kHz

RF Att

20 dB

Ref Lvl

41.01 dBm

VBW

10 kHz

50.7 dBm

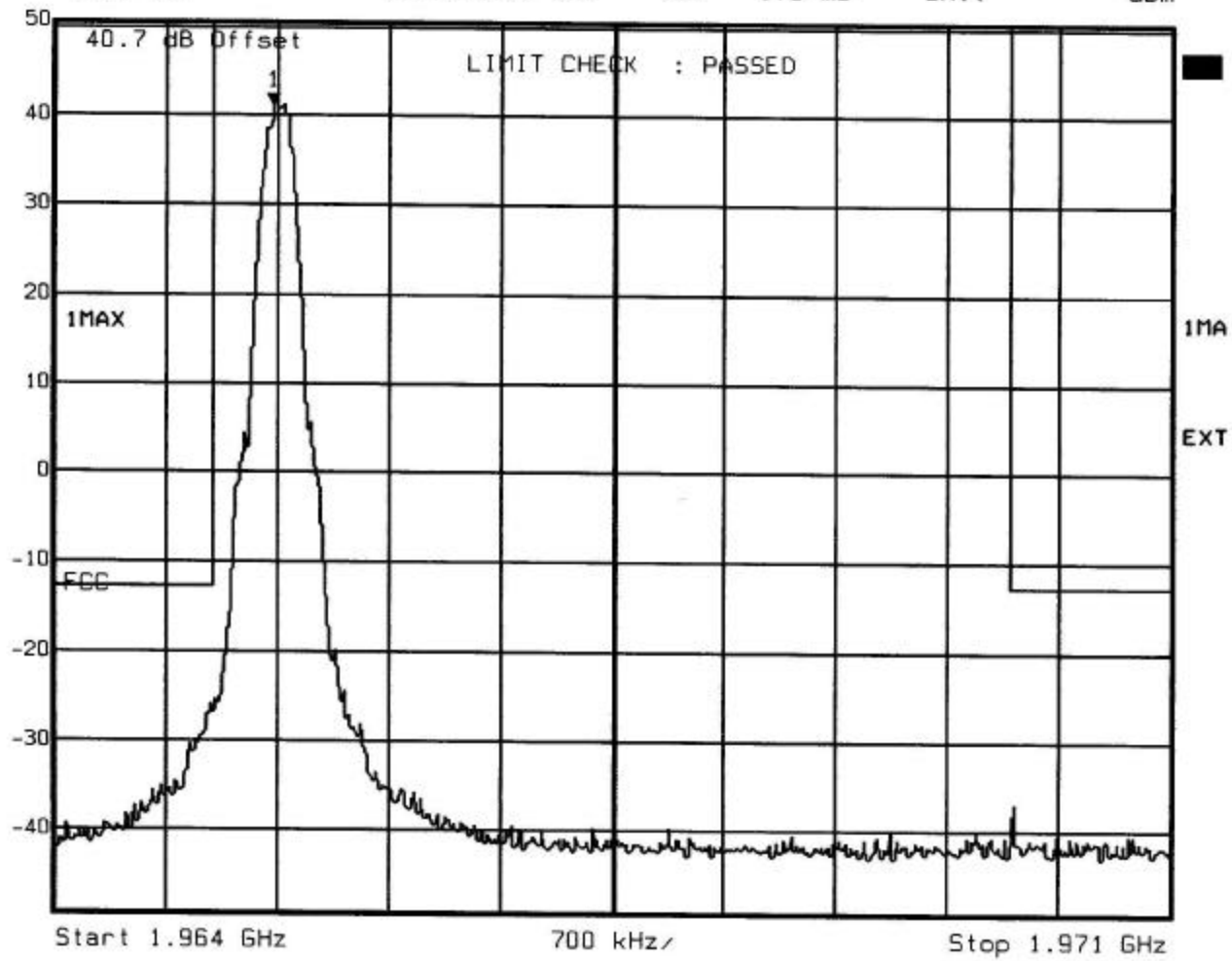
1.96537475 GHz

SWT

175 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRXD CHN688, TX PWR: 45.3dB, 2/2/2 Config.
Date: 11.MAY.2000 7:32:23



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-20.89 dBm

VBW

1 MHz

41.4 dBm

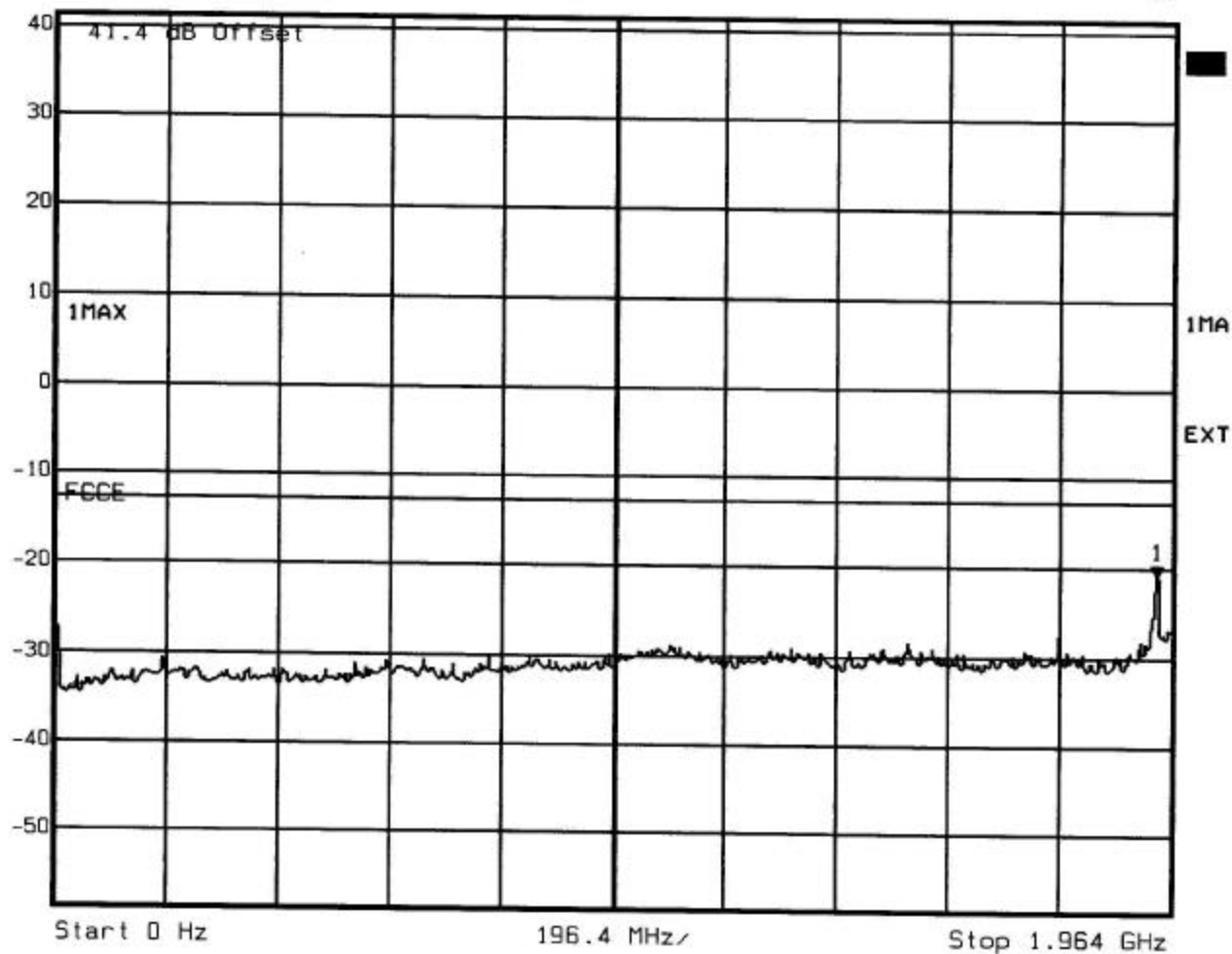
1.93644890 GHz

SWT

5 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRX0 CHN 688, TX PWR: 45.6dBm, 2/2/2 Config
Date: 16.MAY.2000 9:38:46



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-20.63 dBm

VBW

1 MHz

32.3 dBm

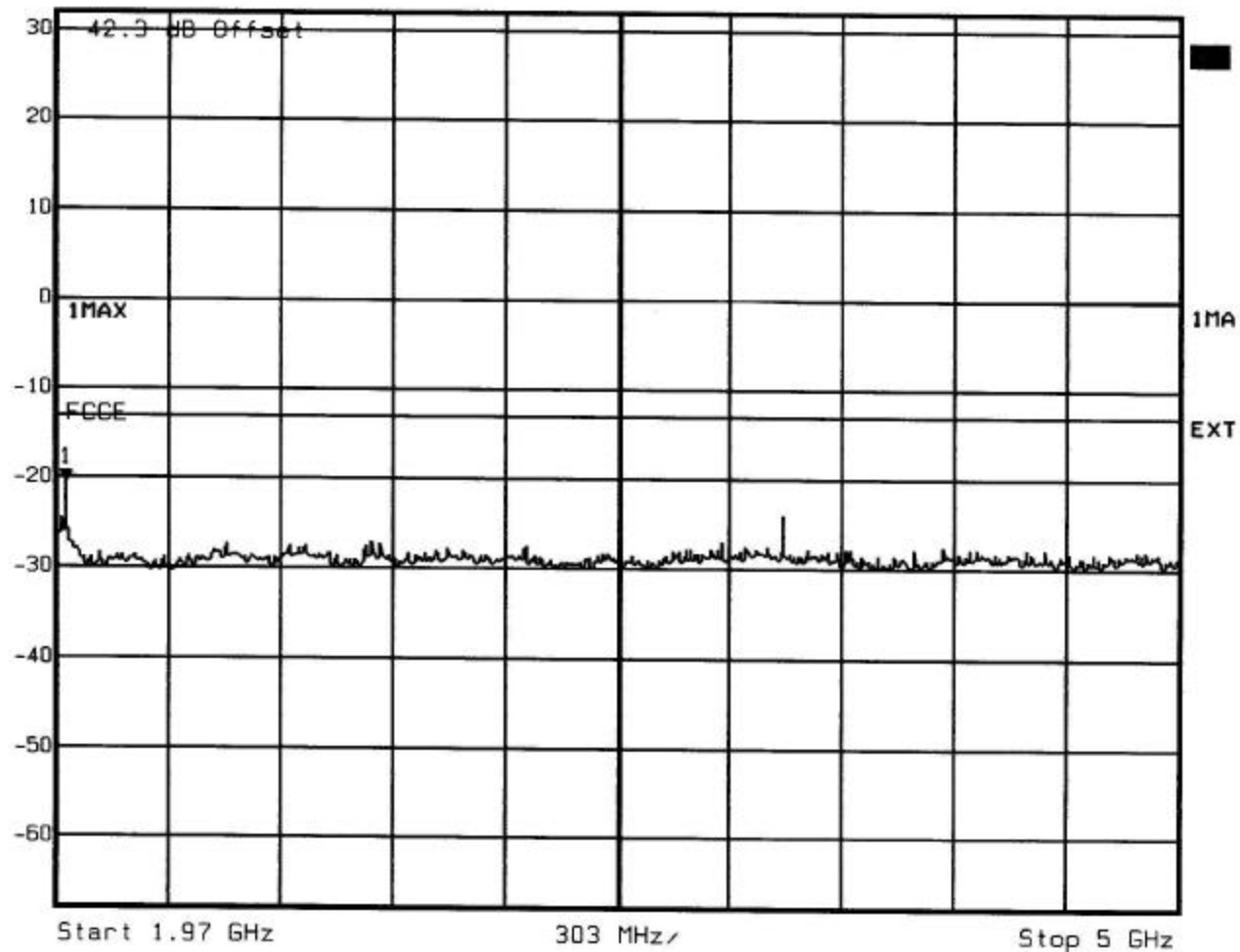
1.99310621 GHz

SWT

8 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRXD CHN 688, TX PWR: 46.0dBm, 2/2/2 Config
Date: 16.MAY.2000 12:36:45



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-21.61 dBm

VBW

1 MHz

33.8 dBm

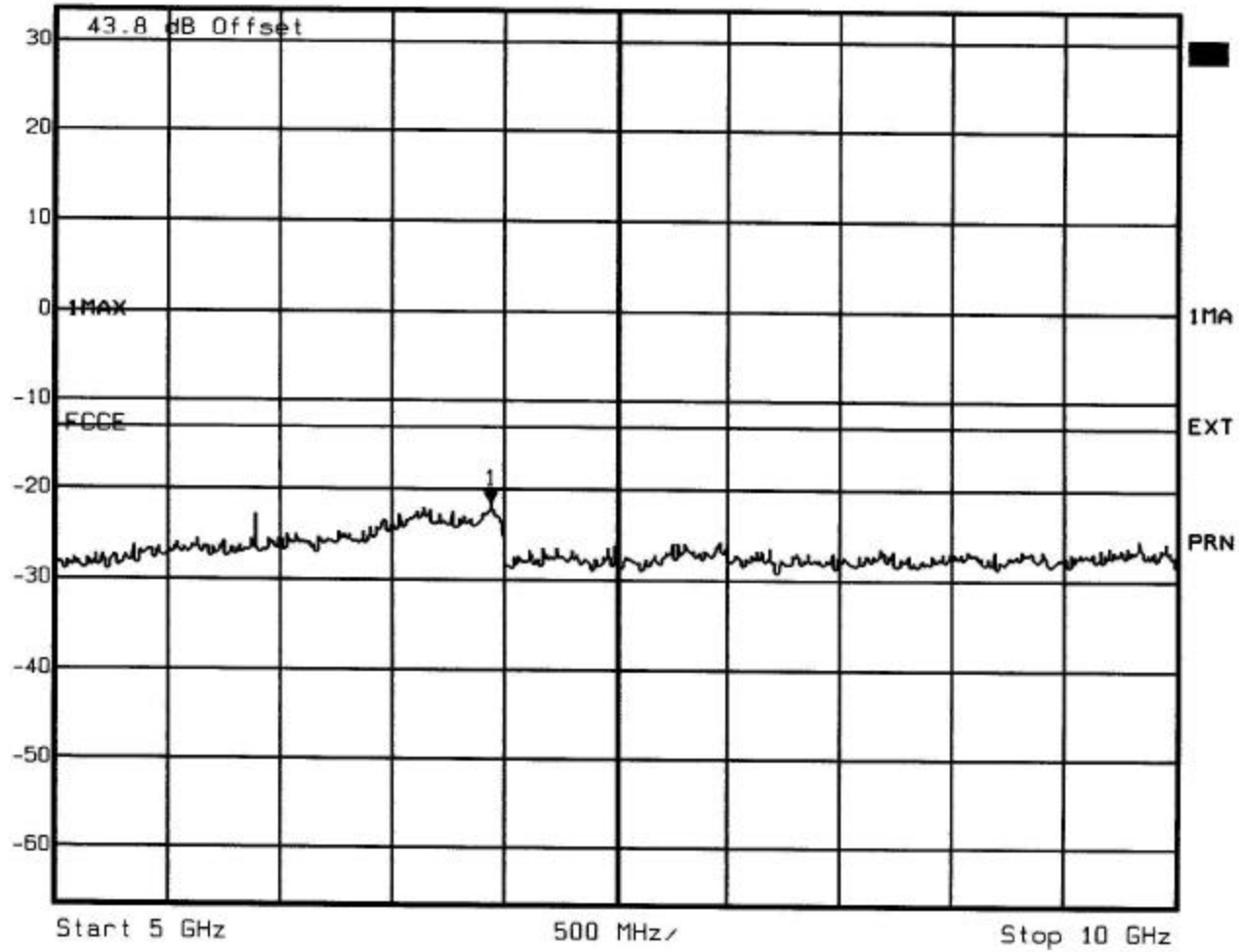
6.94388778 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRXD CHN 688, TX PWR: 46.0dBm, 2/2/2 Config
Date: 16.MAY.2000 12:37:22



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-24.62 dBm

VBW

1 MHz

33.8 dBm

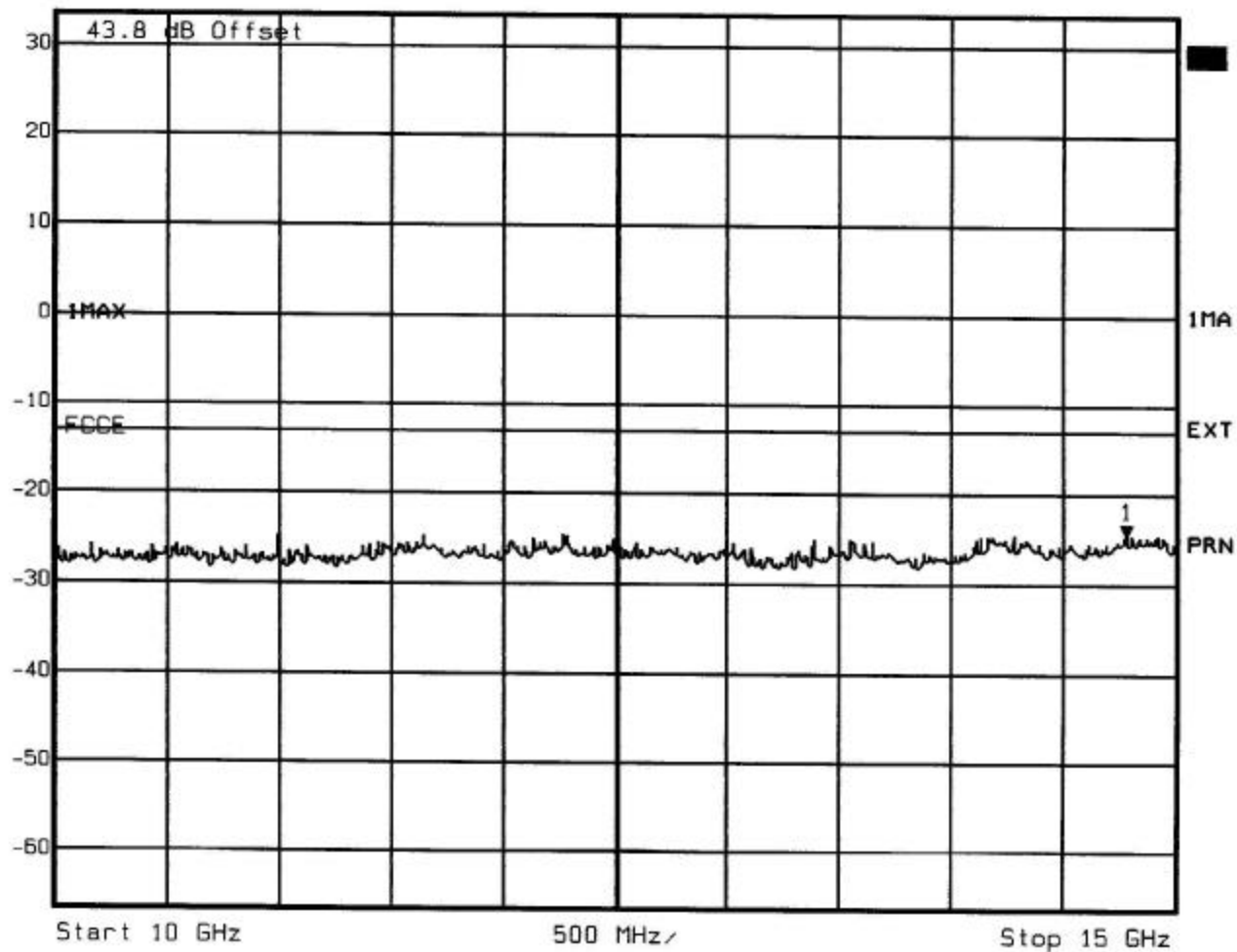
14.77955912 GHz

SWT

29 ms

Unit

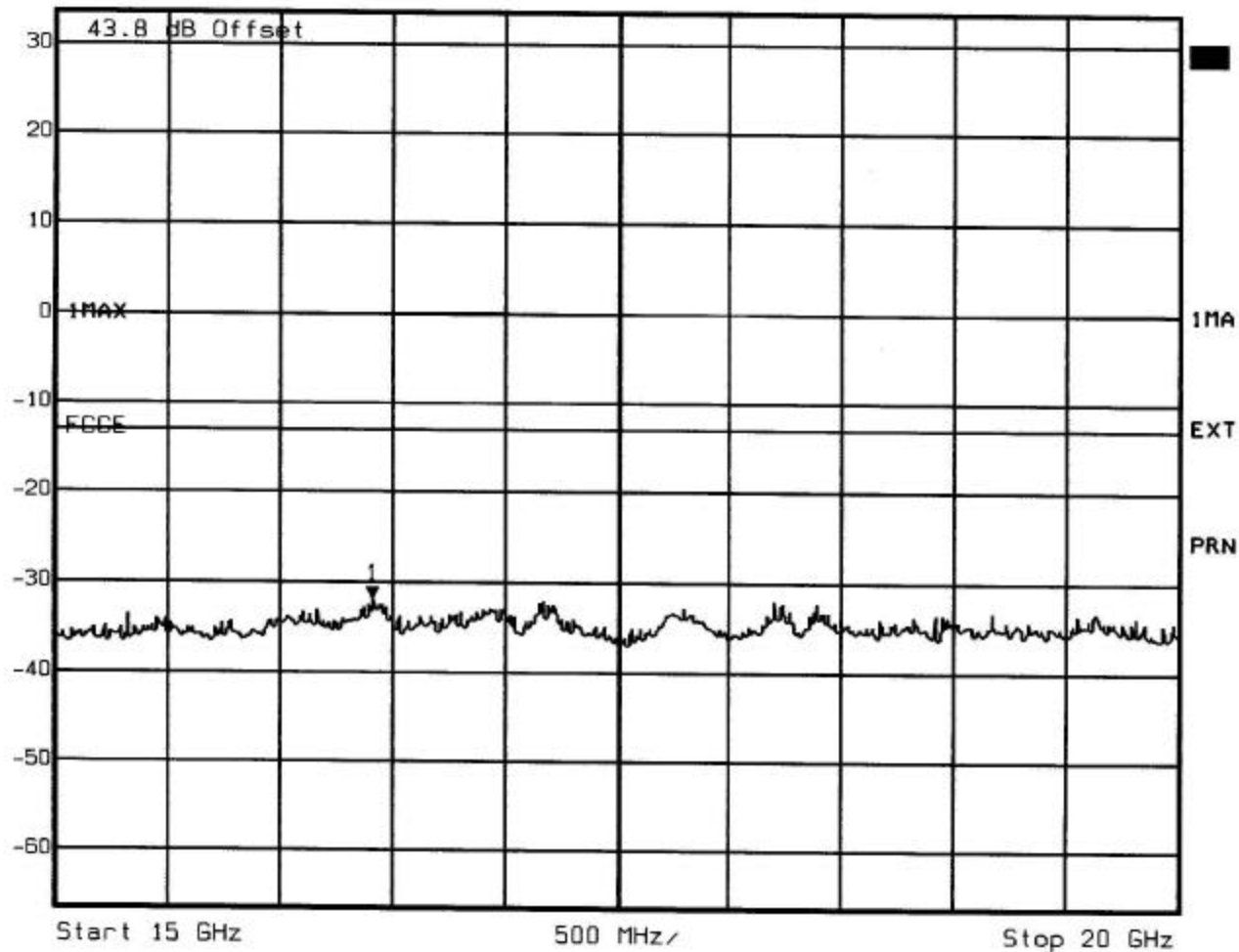
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRXD CHN 688, TX PWR: 46.0dBm, 2/2/2 Config
Date: 16.MAY.2000 12:37:38



Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl -31.92 dBm VBW 1 MHz
33.8 dBm 16.41282565 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRX0 CHN 688, TX PWR: 46.0dBm, 2/2/2 Config
Date: 16.MAY.2000 12:38:08



Marker 1 [T1]

RBW 10 kHz RF Att 20 dB

Ref Lvl

41.54 dBm

VBW 10 kHz

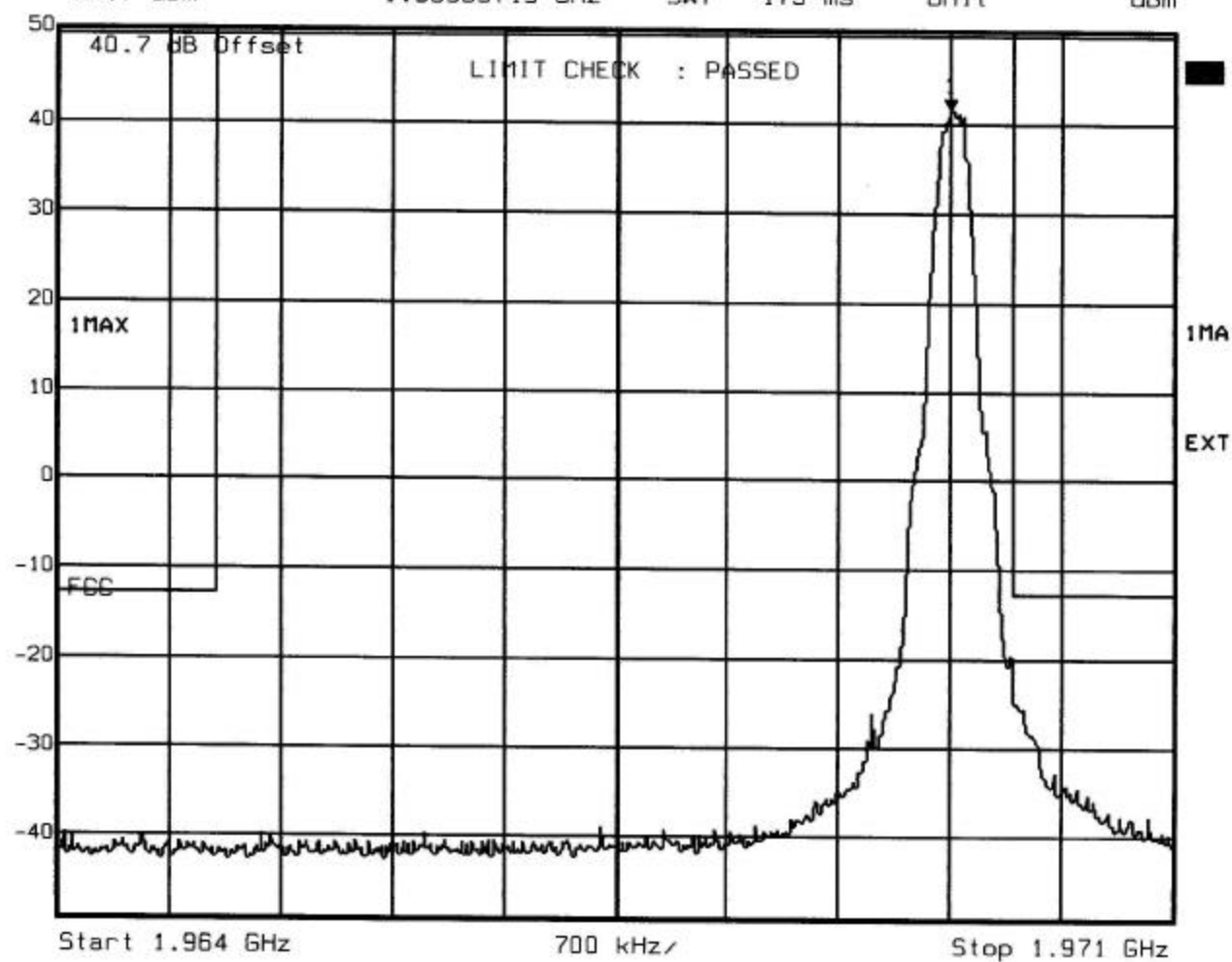
50.7 dBm

1.96959719 GHz

SWT 175 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRX0 CHN709, TX PWR: 45.3dB, 2/2/2 Config.
Date: 11.MAY.2000 7:34:54



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-20.82 dBm

VBW

1 MHz

40.7 dBm

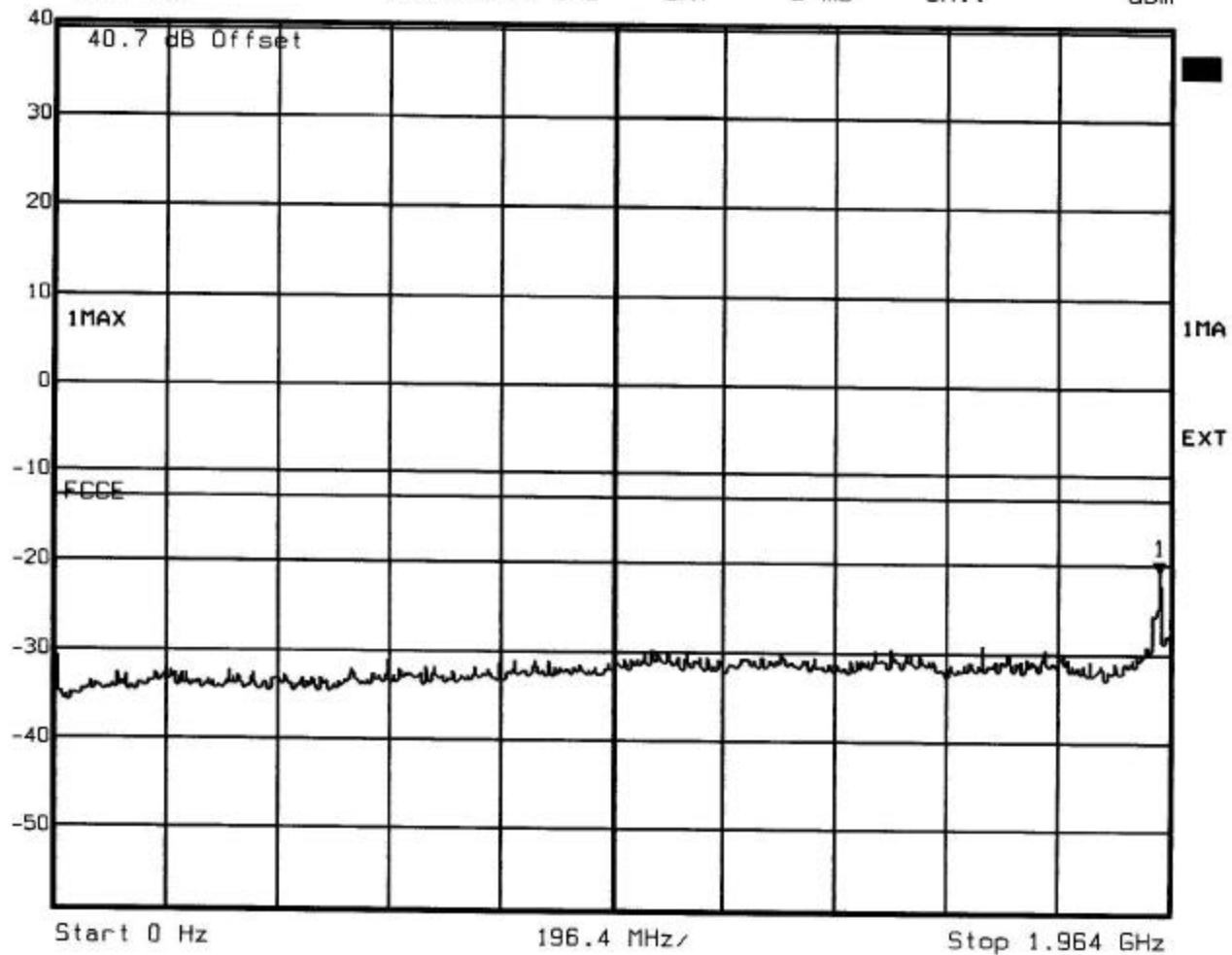
1.94432064 GHz

SWT

5 ms

Unit

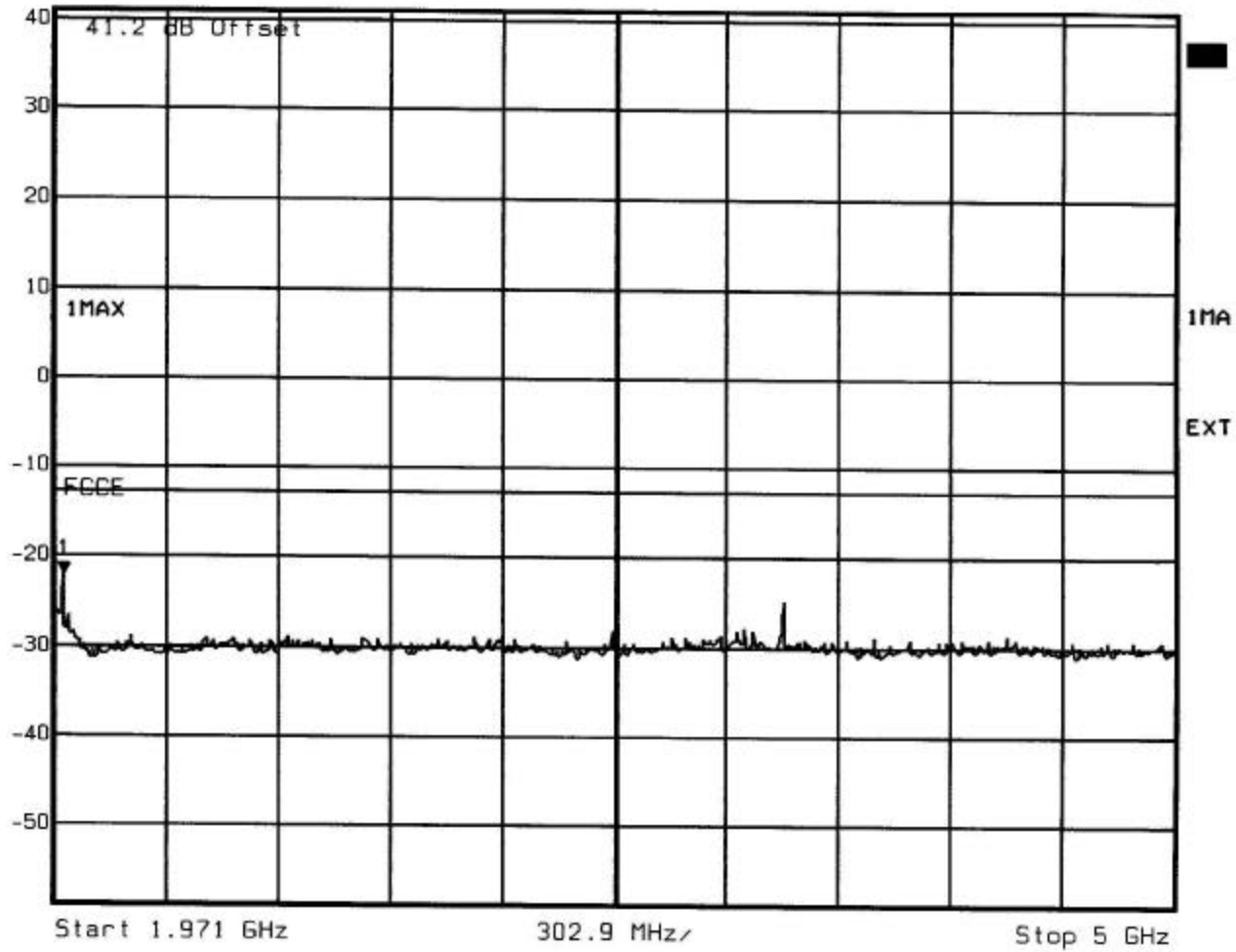
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRX0 CHN709, TX PWR: 45.3dB, 2/2/2 Config.
Date: 11.MAY.2000 7:35:58



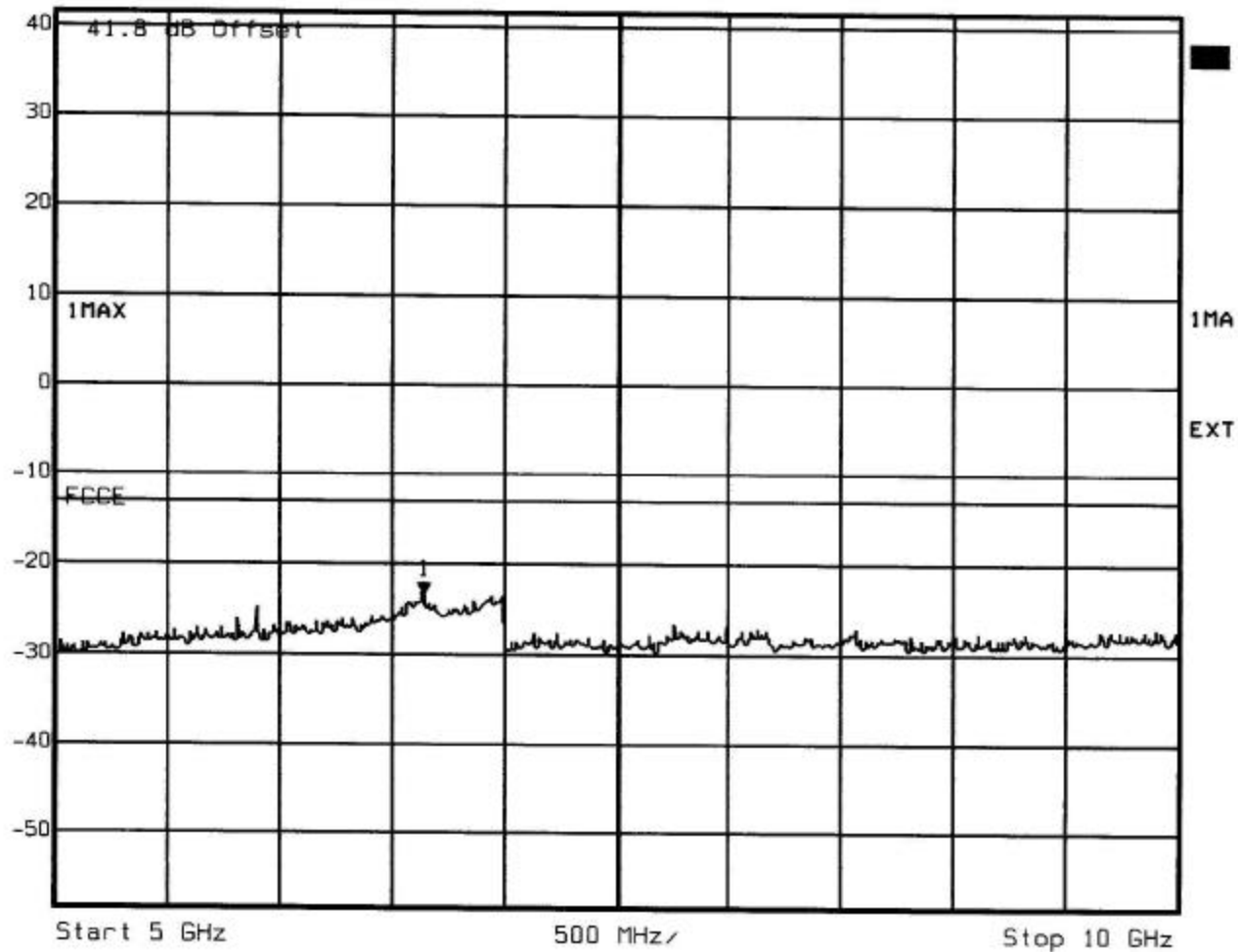
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -22.23 dBm VBW 1 MHz
41.2 dBm 1.99528056 GHz SWT 8 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRXD CHN709, TX PWR: 45.3dB, 2/2/2 Config.
Date: 11.MAY.2000 7:37:02



Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -23.36 dBm VBW 1 MHz
41.8 dBm 6.64328657 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRXD CHN709, TX PWR: 45.3dB, 2/2/2 Config.
Date: 11.MAY.2000 7:38:40



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-24.40 dBm

VBW

1 MHz

42.7 dBm

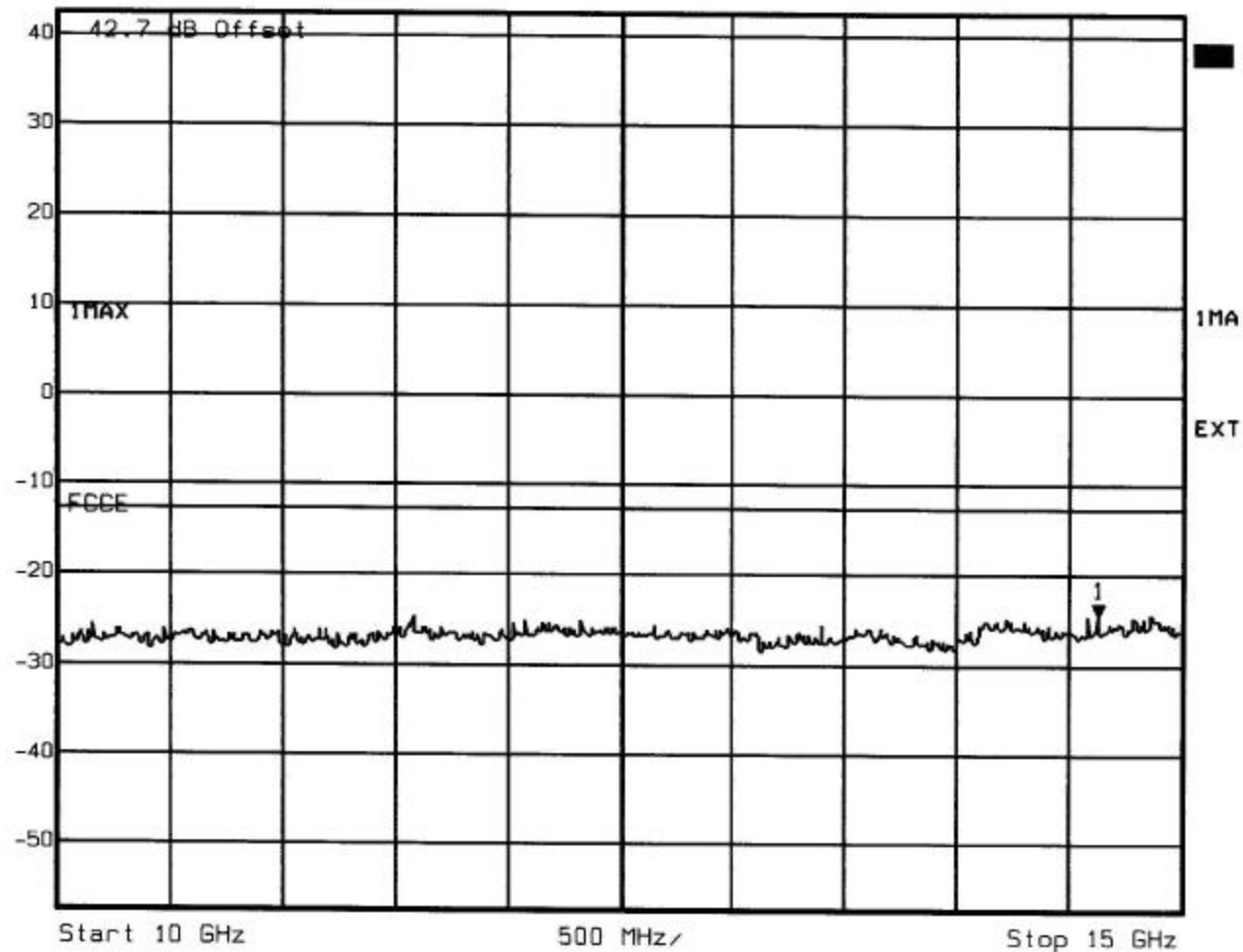
14.62925852 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRXD CHN709, TX PWR: 45.3dB, 2/2/2 Config.
Date: 11.MAY.2000 7:40:12



Marker 1 [T1]

RBW

1 MHz

RF Att

0 dB

Ref Lvl

-24.40 dBm

VBW

1 MHz

41.2 dBm

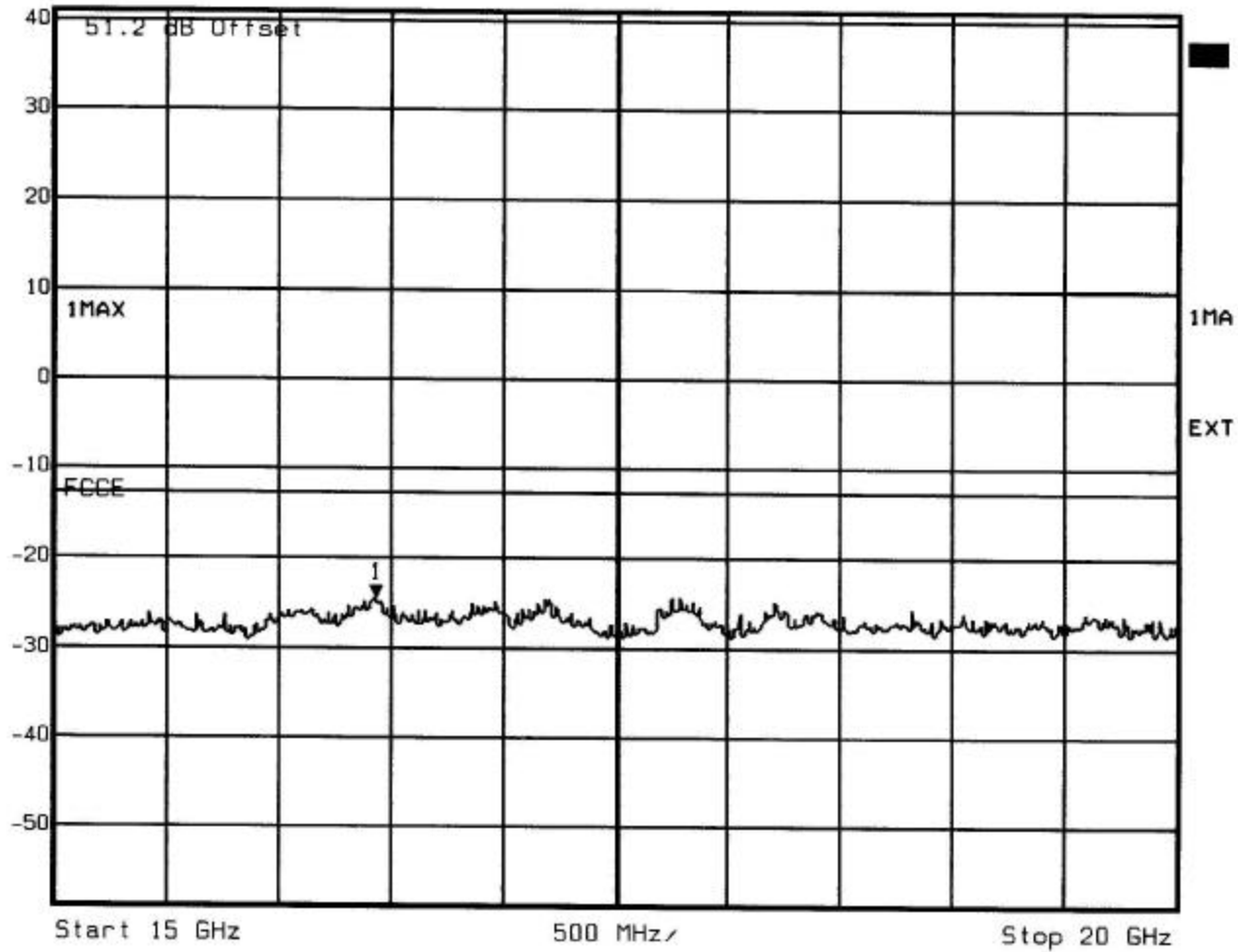
16.43286573 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block E, TRXD CHN709, TX PWR: 45.3dB, 2/2/2 Config.
Date: 11.MAY.2000 7:41:03

MEASUREMENT: 4

MEASUREMENT

OF

SPURIOUS EMISSIONS

1 TRX WITHOUT COMBINER

BLOCK F

(1970 – 1975 MHz)

Left Edge:	1970.4 MHz (Channel 713)
Right Edge:	1974.6 MHz (Channel 734)



Marker 1 [T1]

RBW

10 kHz

RF Att

20 dB

Ref Lvl

41.59 dBm

VBW

10 kHz

50.2 dBm

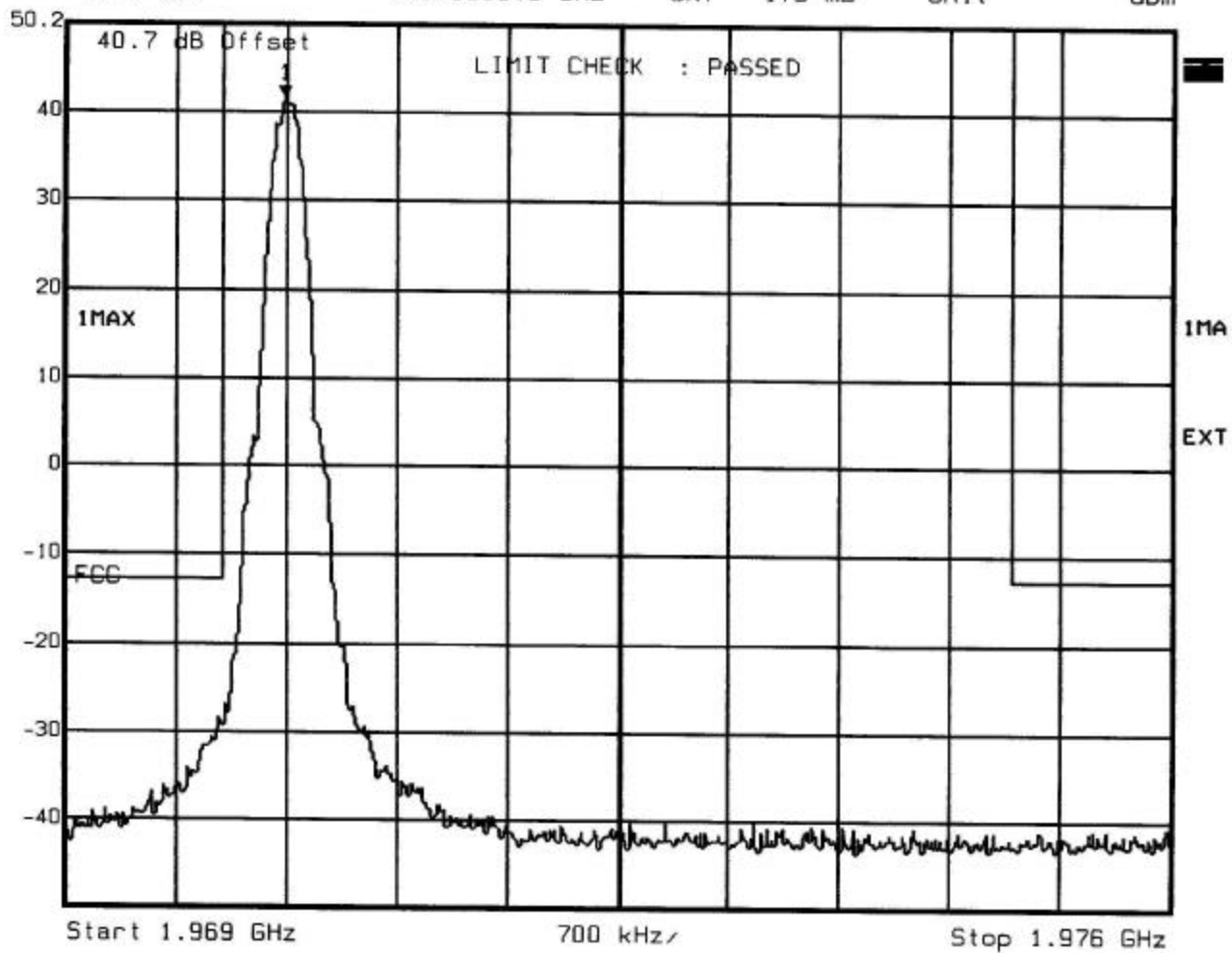
1.97038878 GHz

SWT

175 ms

Unit

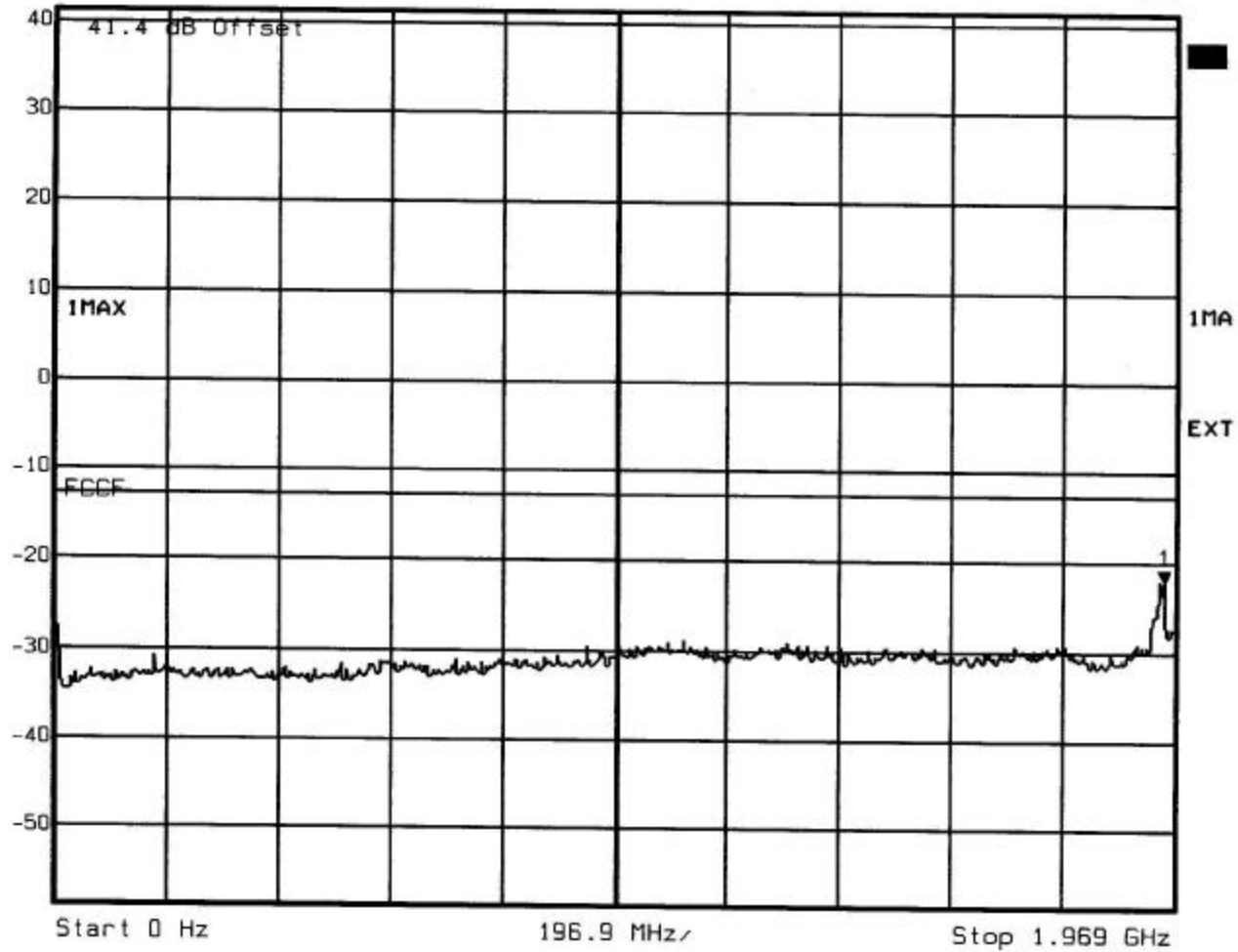
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN713, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 8:02:54



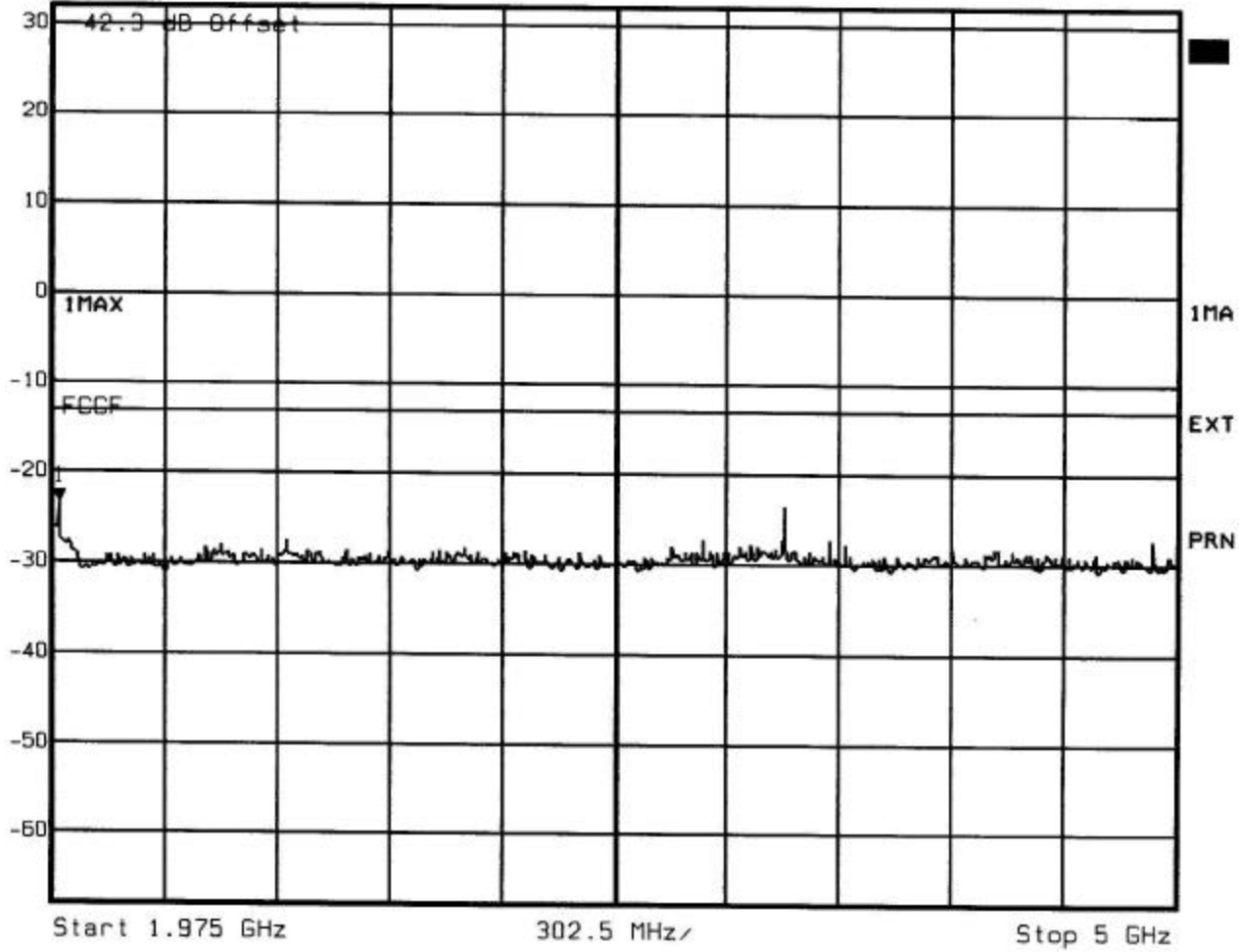
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -22.15 dBm VBW 1 MHz
41.4 dBm 1.94931000 GHz SWT 5 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN 713, TX PWR: 45.4dBm, 2/2/2 Config
Date: 16.MAY.2000 9:36:59



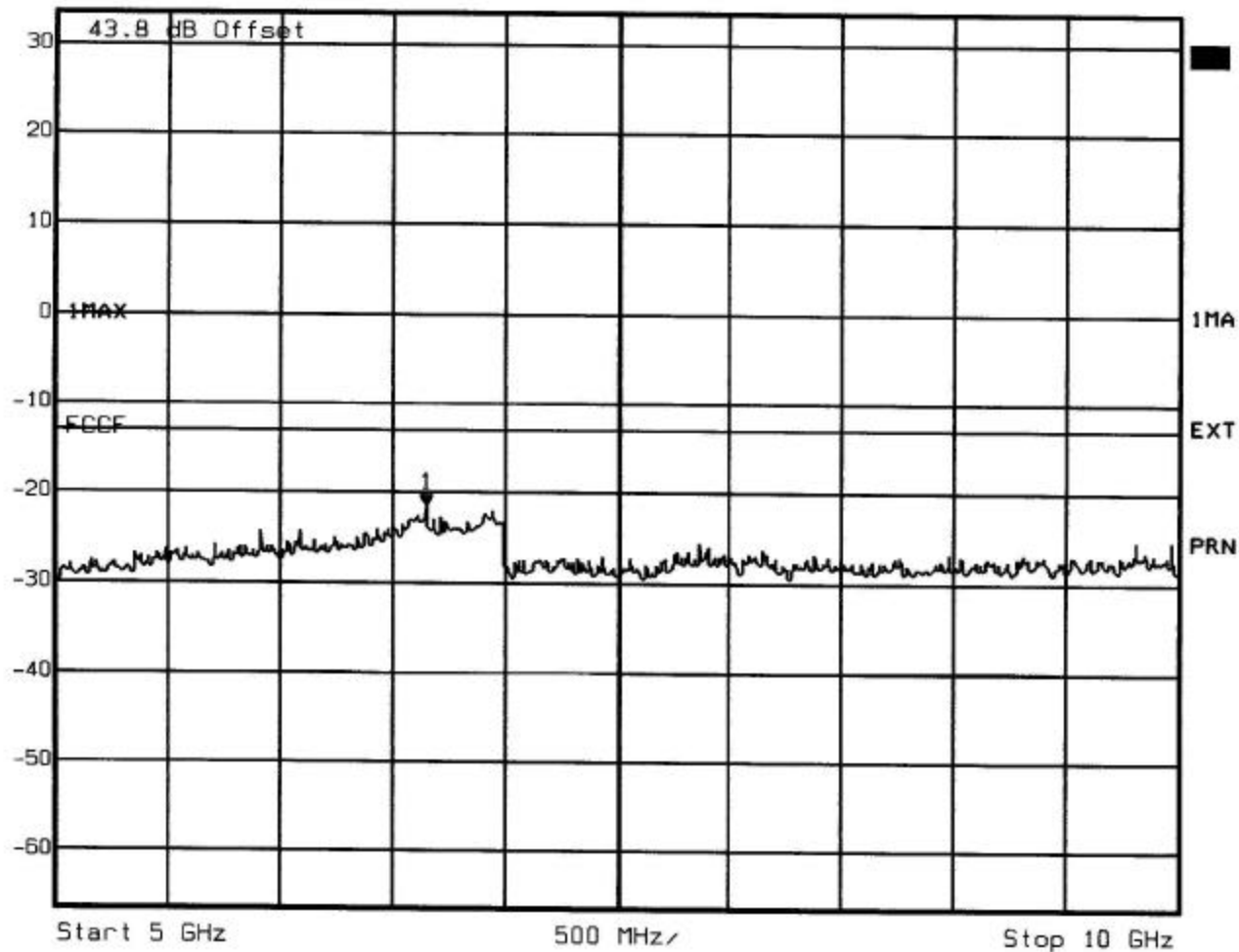
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -23.34 dBm VBW 1 MHz
32.3 dBm 1.99318637 GHz SWT 8 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN 713, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 12:47:14



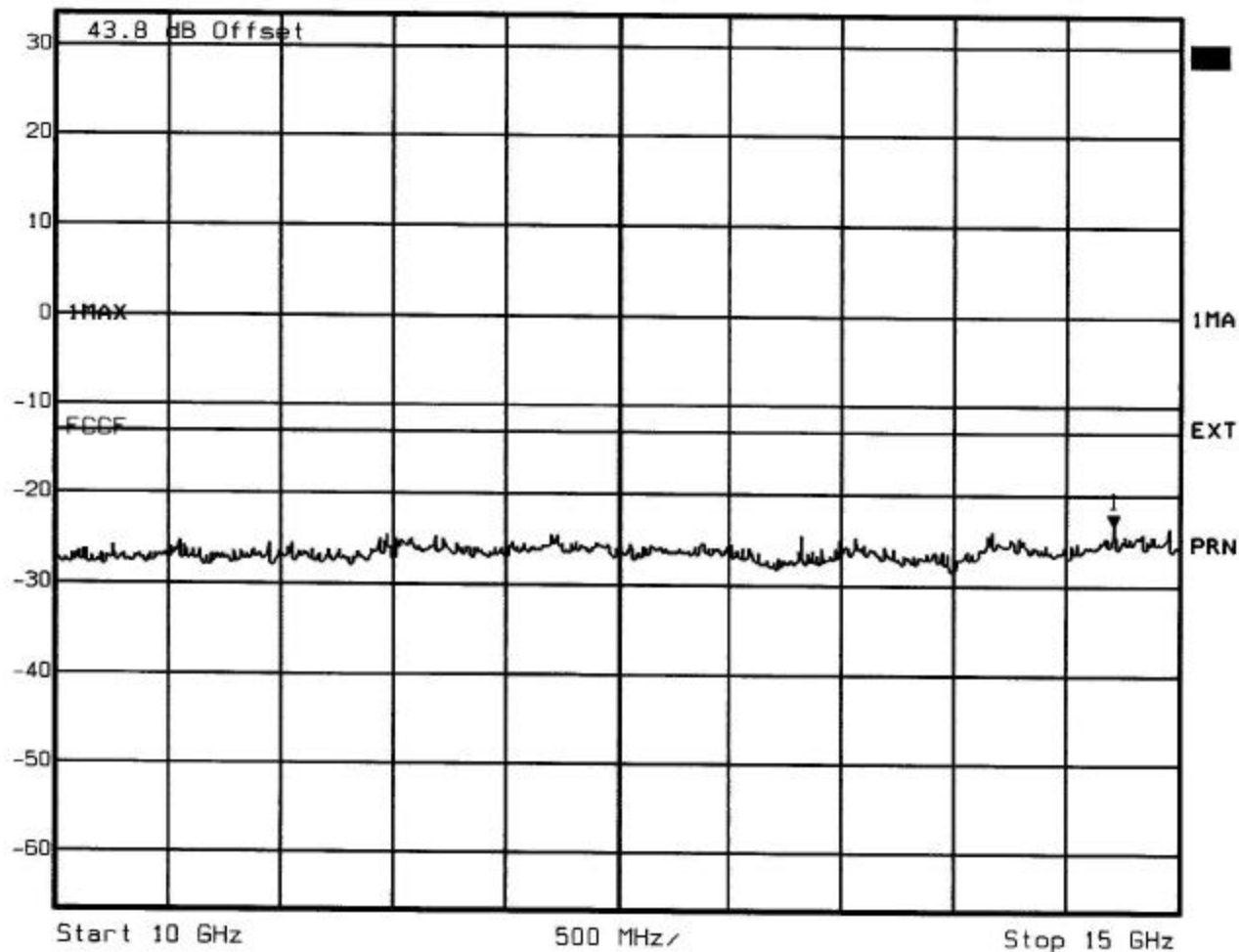
Ref Lvl 33.8 dBm Marker 1 [T1] -21.58 dBm RBW 1 MHz RF Att 10 dB
6.65330661 GHz VBW 1 MHz Unit dBm
SWT 29 ms



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRX0 CHN 713, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 12:46:33



Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -23.22 dBm VBW 1 MHz
33.8 dBm 14.70941884 GHz SWT 29 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN 713, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 12:46:18



Marker 1 [T1]

RBW

1 MHz

RF Att

0 dB

Ref Lvl

-30.88 dBm

VBW

1 MHz

33.8 dBm

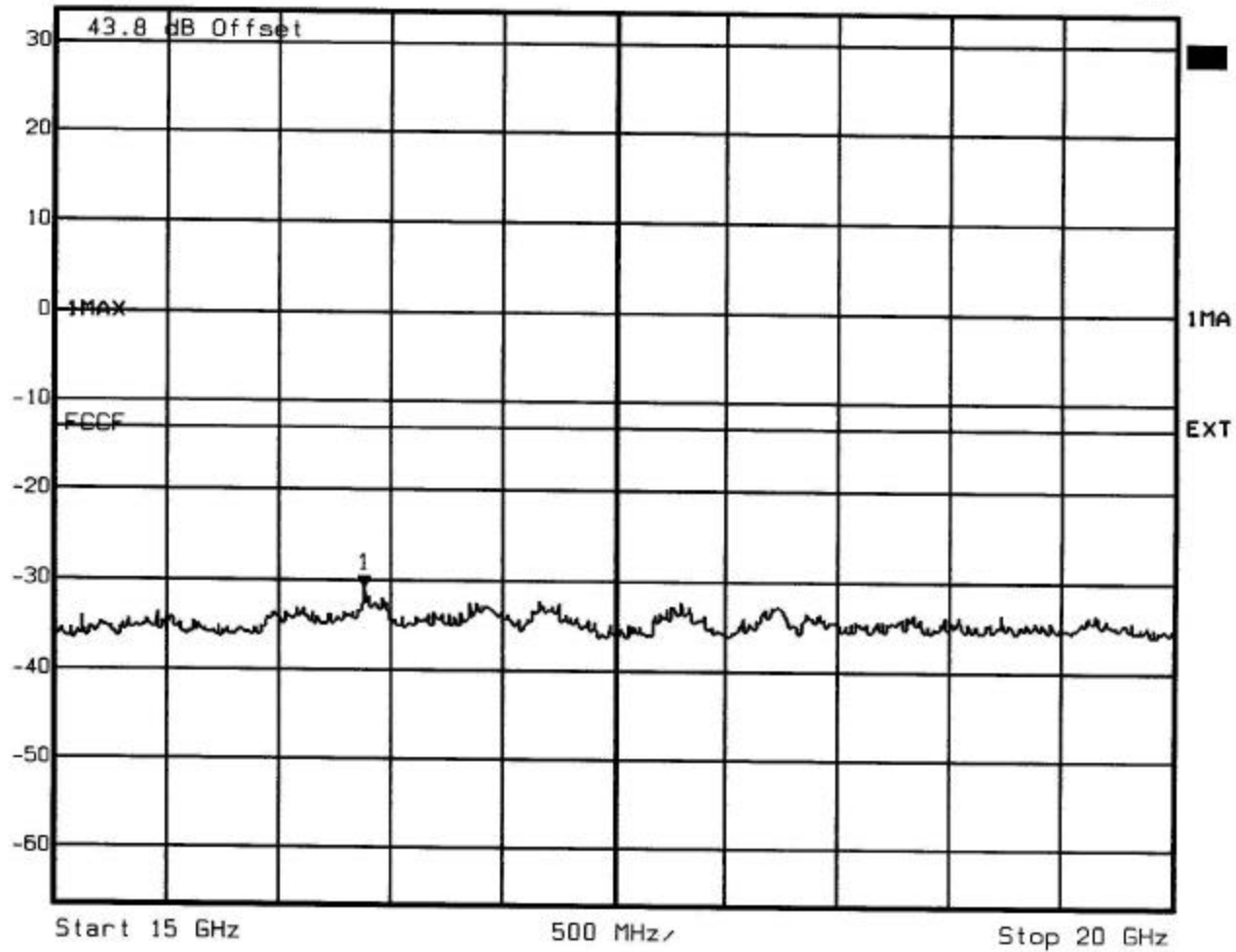
16.38276553 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN 713, TX PWR: 45.9dBm, 2/2/2 Config
Date: 16.MAY.2000 12:45:50



Marker 1 [T1]

RBW

10 kHz

RF Att

20 dB

Ref Lvl

42.19 dBm

VBW

10 kHz

50.7 dBm

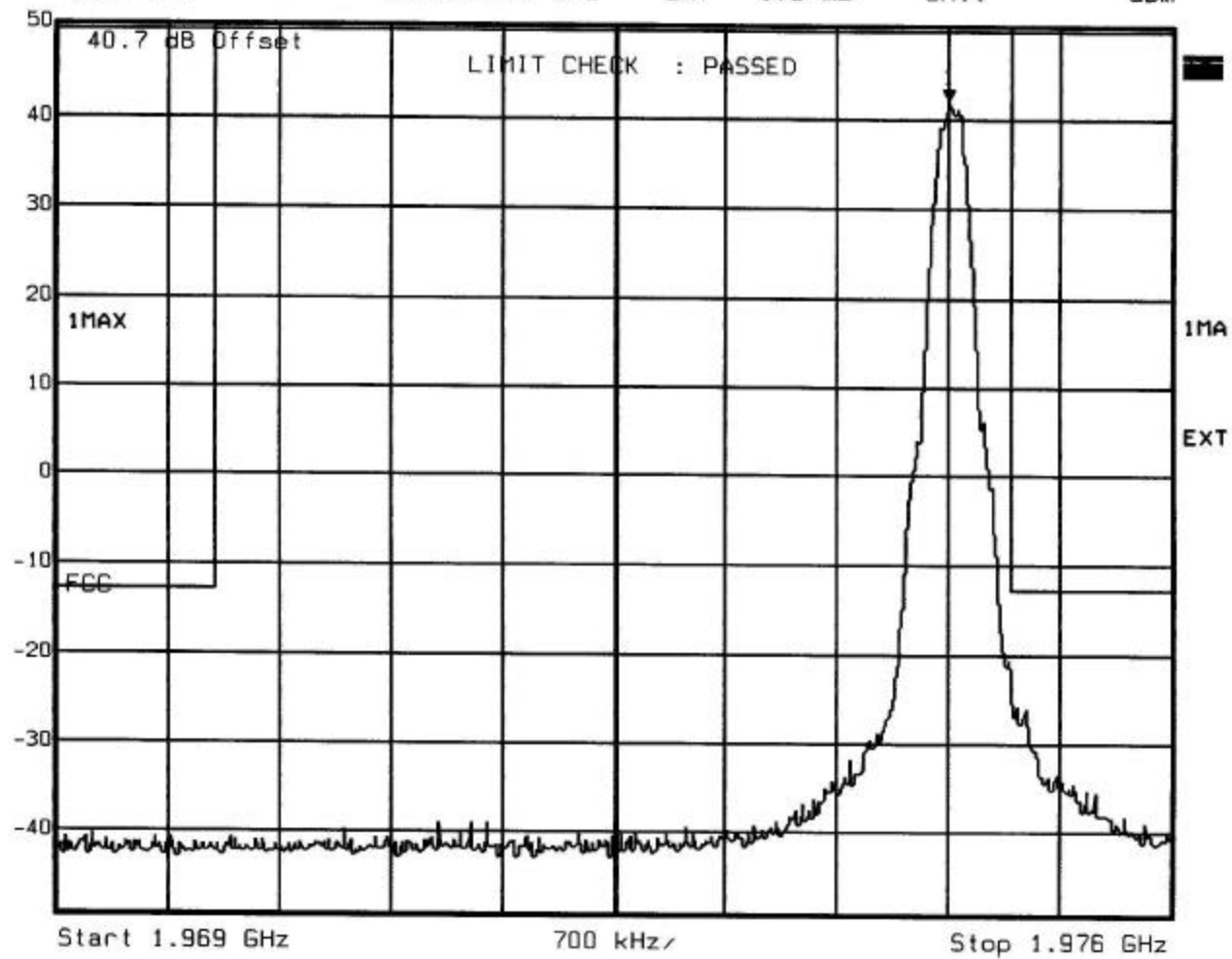
1.97459719 GHz

SWT

175 ms

Unit

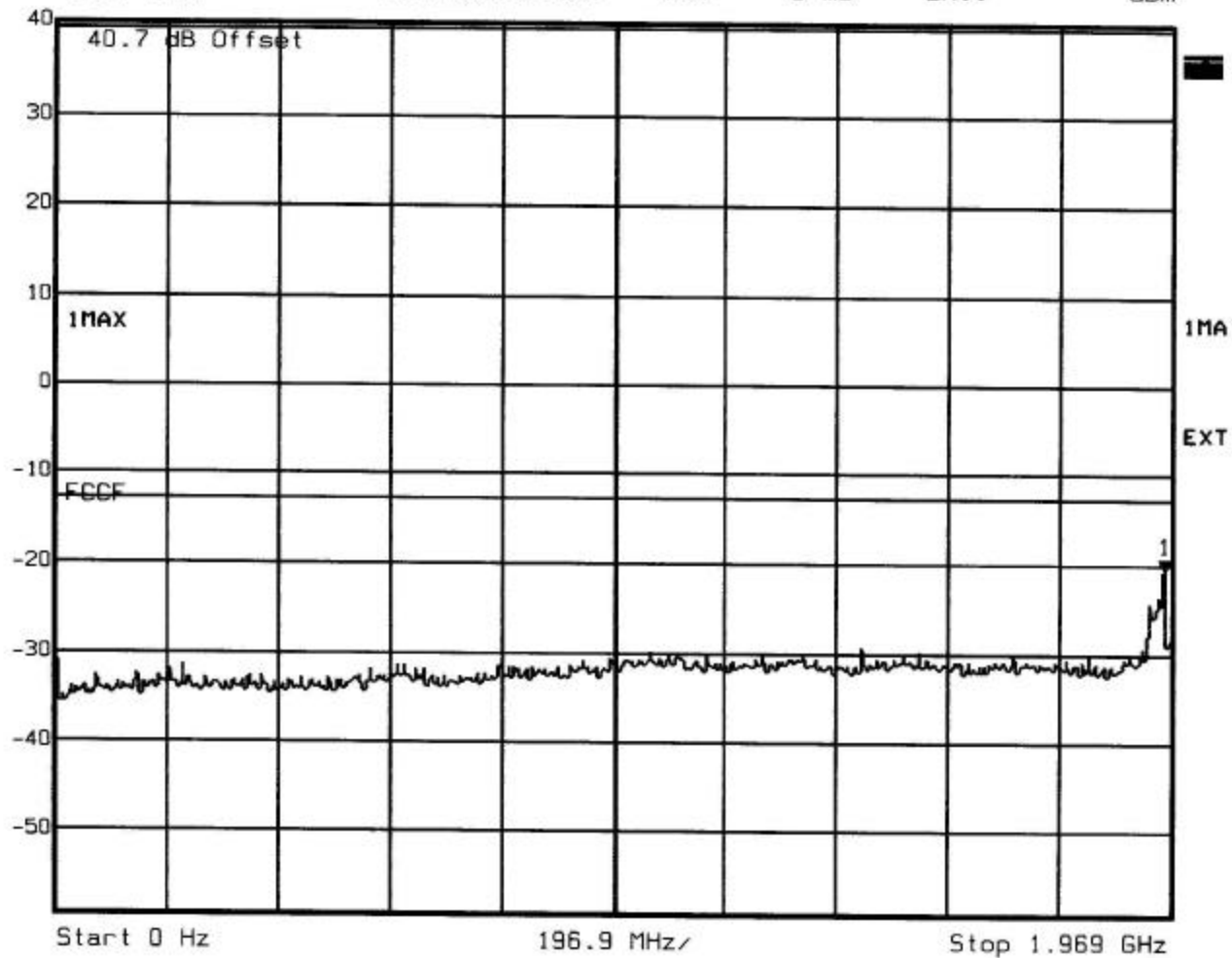
dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN734, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 7:54:26



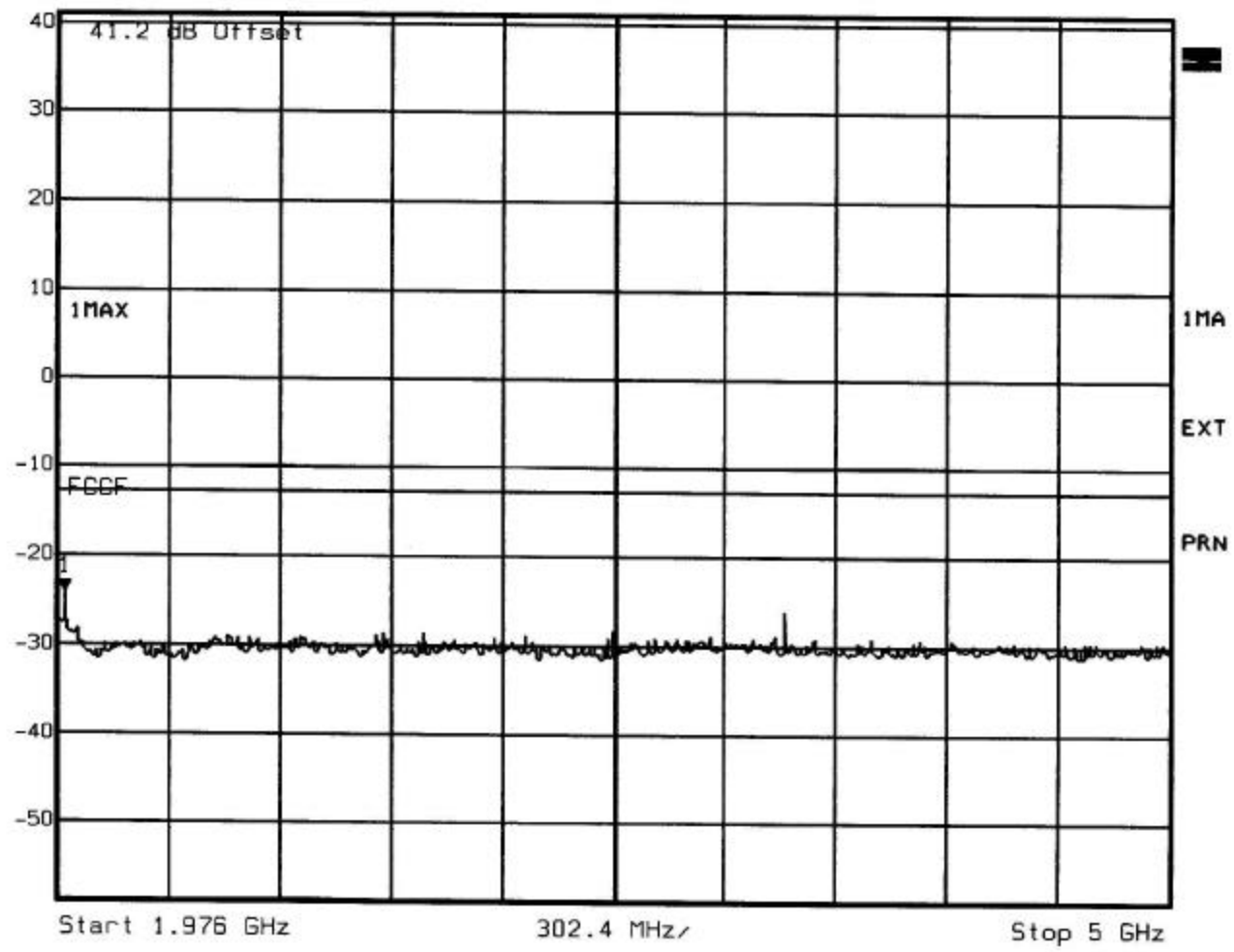
Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -20.60 dBm VBW 1 MHz
40.7 dBm 1.95716232 GHz SWT 5 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN734, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 7:57:05



Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl -24.16 dBm VBW 1 MHz
41.2 dBm 1.99418036 GHz SWT 8 ms Unit dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRX0 CHN734, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 7:57:38



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-23.65 dBm

VBW

1 MHz

41.8 dBm

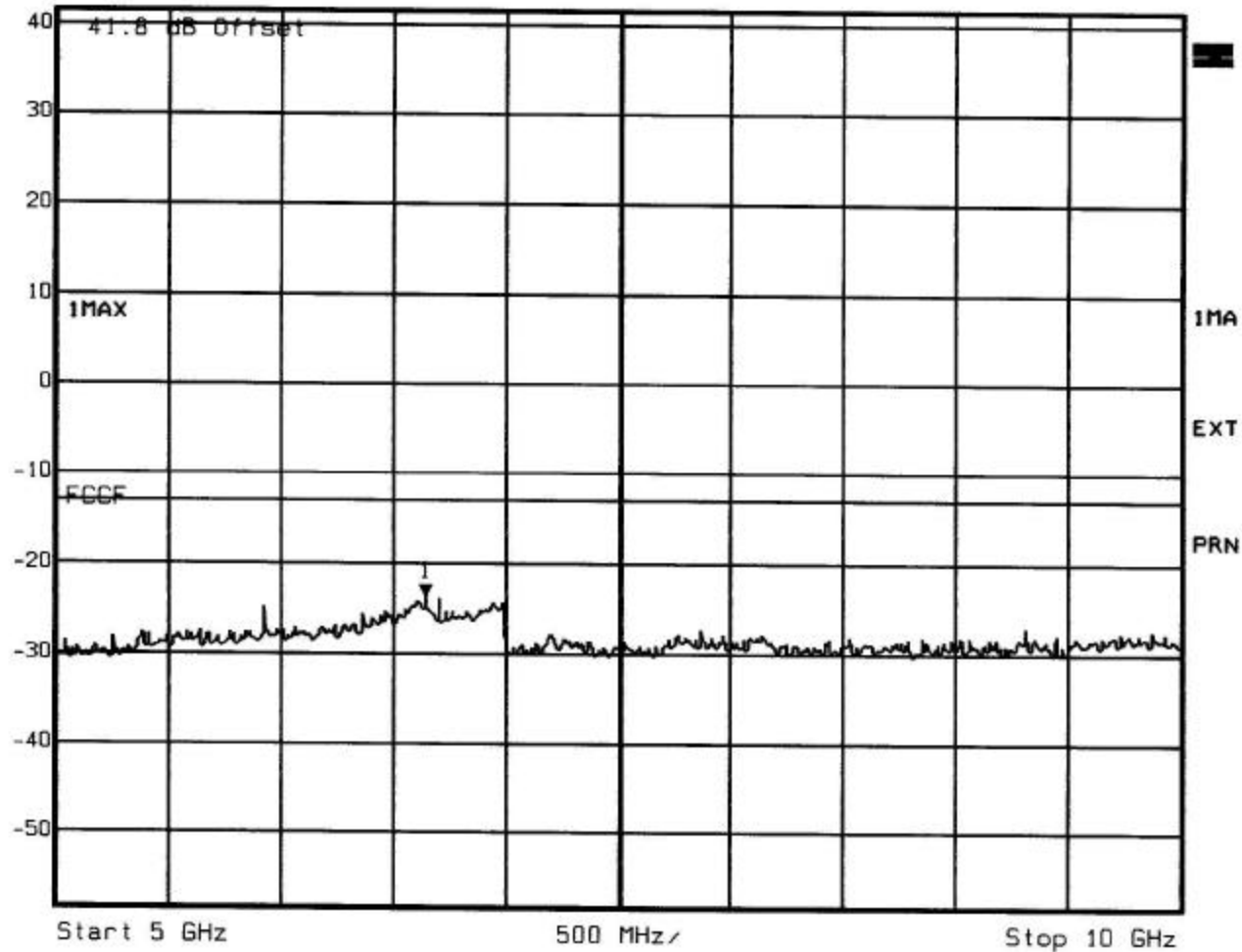
6.64328657 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN734, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 7:58:03



Marker 1 [T1]

RBW

1 MHz

RF Att

10 dB

Ref Lvl

-24.17 dBm

VBW

1 MHz

42.7 dBm

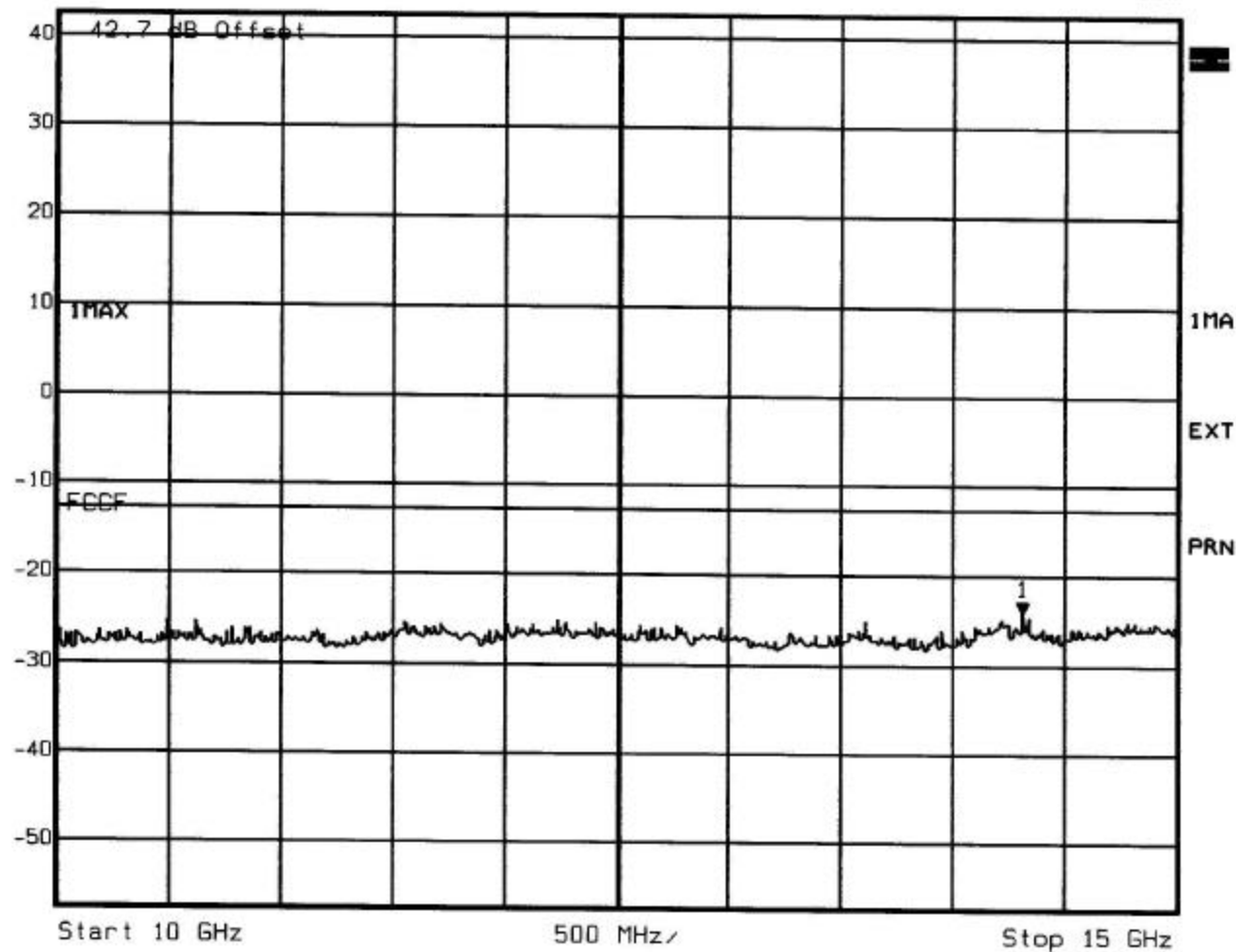
14.30861723 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN734, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 7:58:29



Marker 1 [T1]

RBW

1 MHz

RF Att

0 dB

Ref Lvl

-23.64 dBm

VBW

1 MHz

41.2 dBm

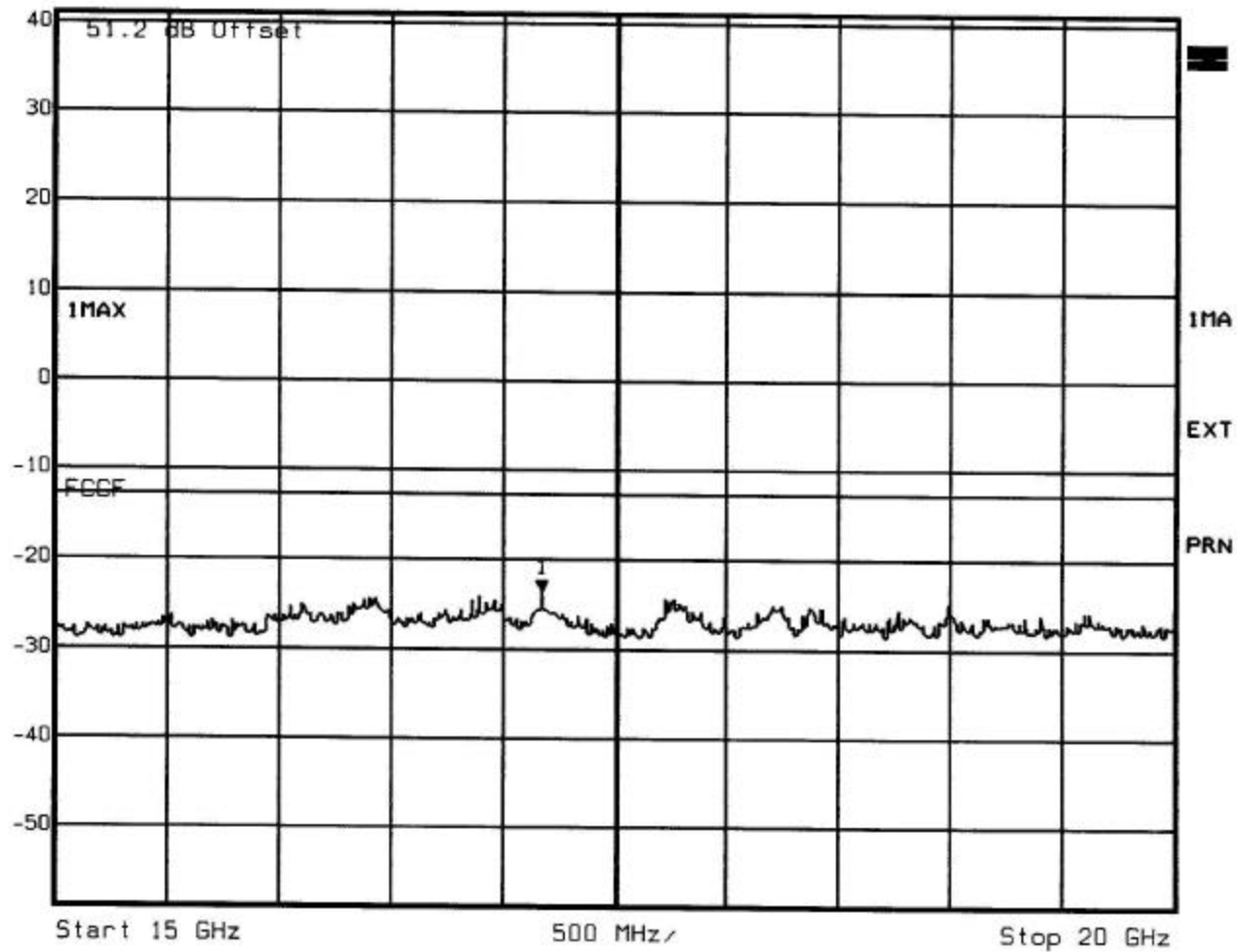
17.17434870 GHz

SWT

29 ms

Unit

dBm



Title: Spurious Emissions Flexent, FCC ID: A55FLX-01
Comment A: Block F, TRXD CHN734, TX PWR: 45.2dB, 2/2/2 Config.
Date: 11.MAY.2000 7:59:07