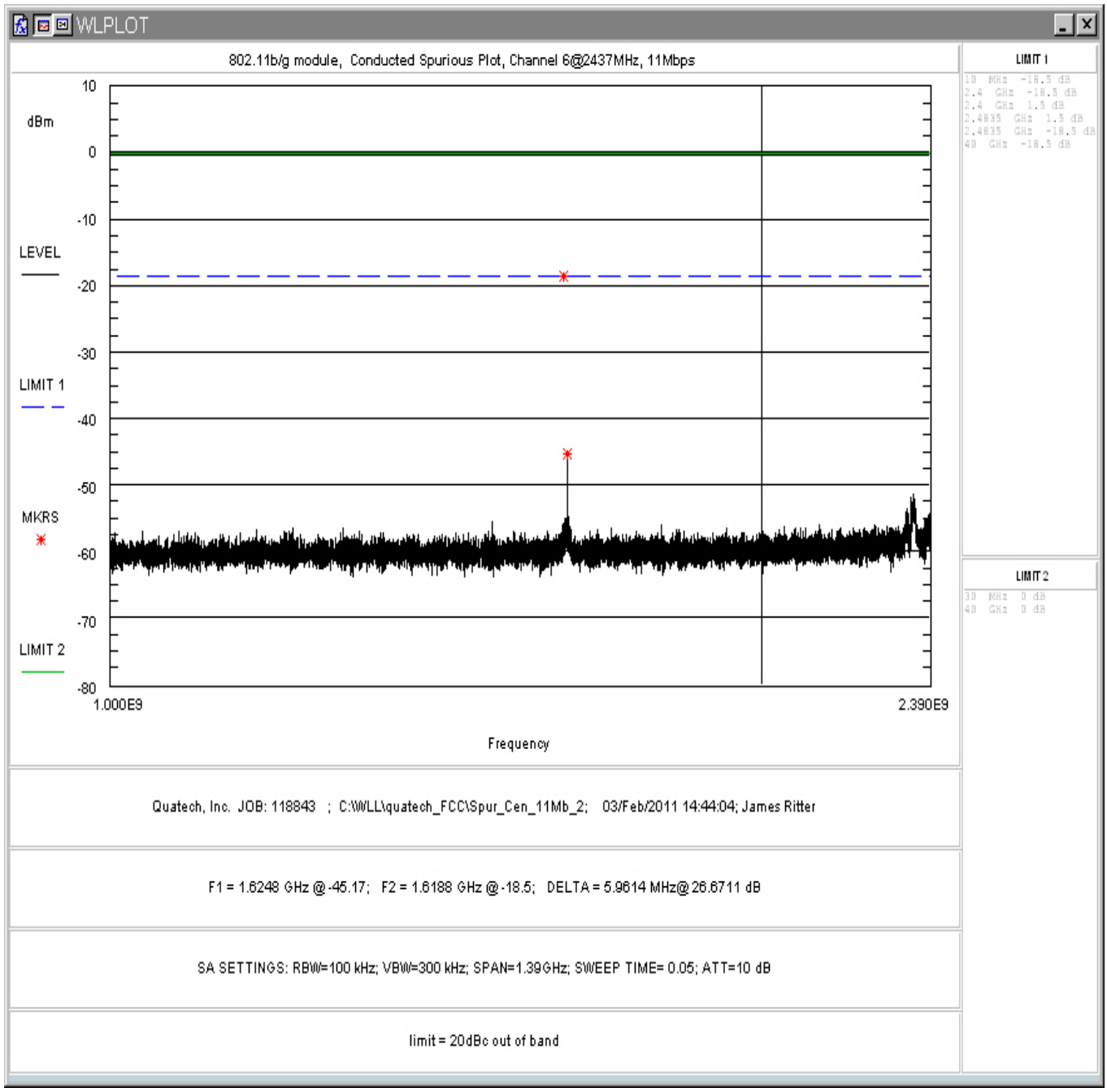

Figure 42: Conducted Spurious Emissions, Channel 6, 11Mbps, 1 – 2.39GHz

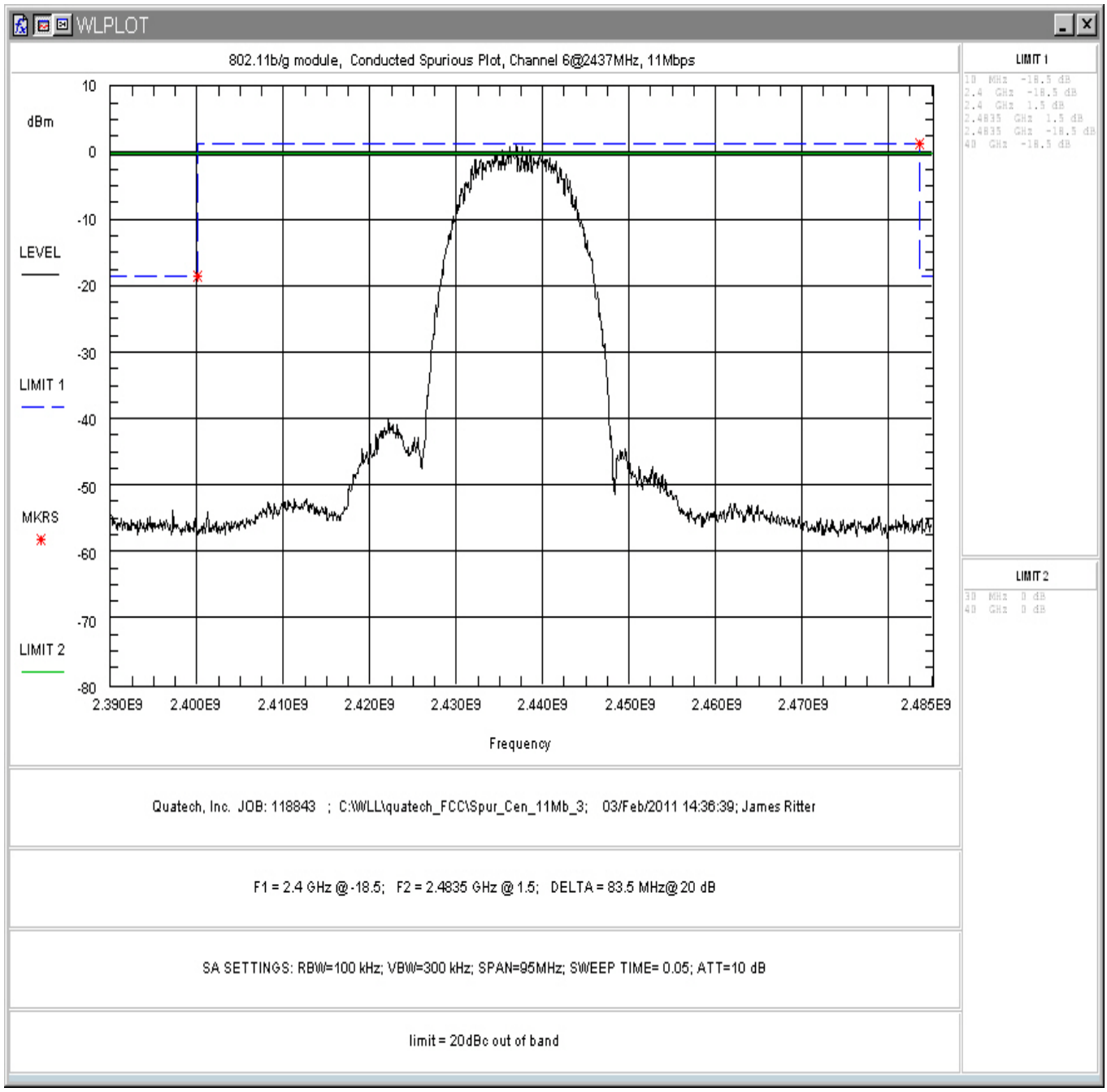

Figure 43: Conducted Spurious Emissions, Channel 6, 11Mbps, 2.39 – 2.485GHz

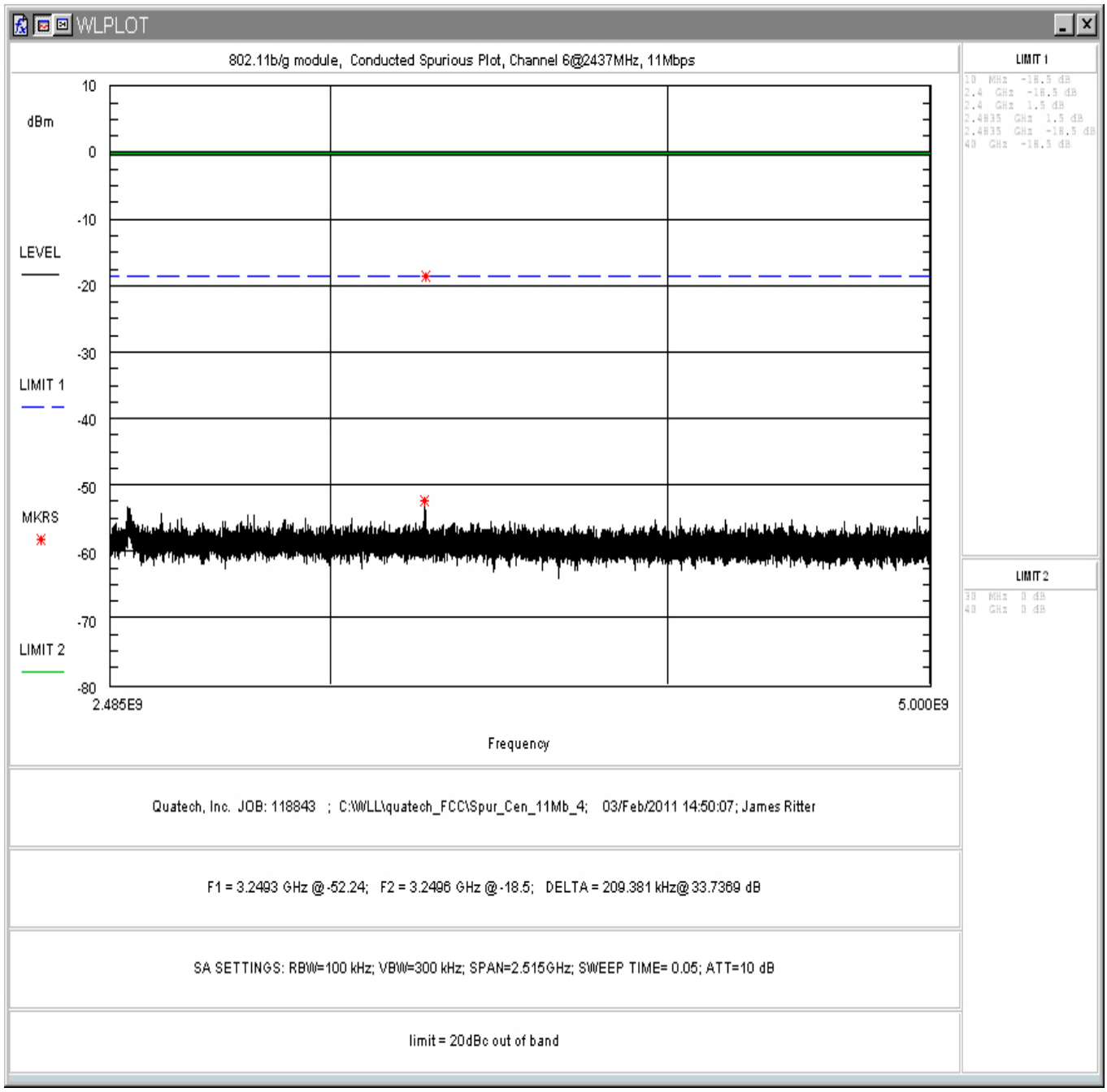

Figure 44: Conducted Spurious Emissions, Channel 6, 11Mbps, 2.485 - 5GHz

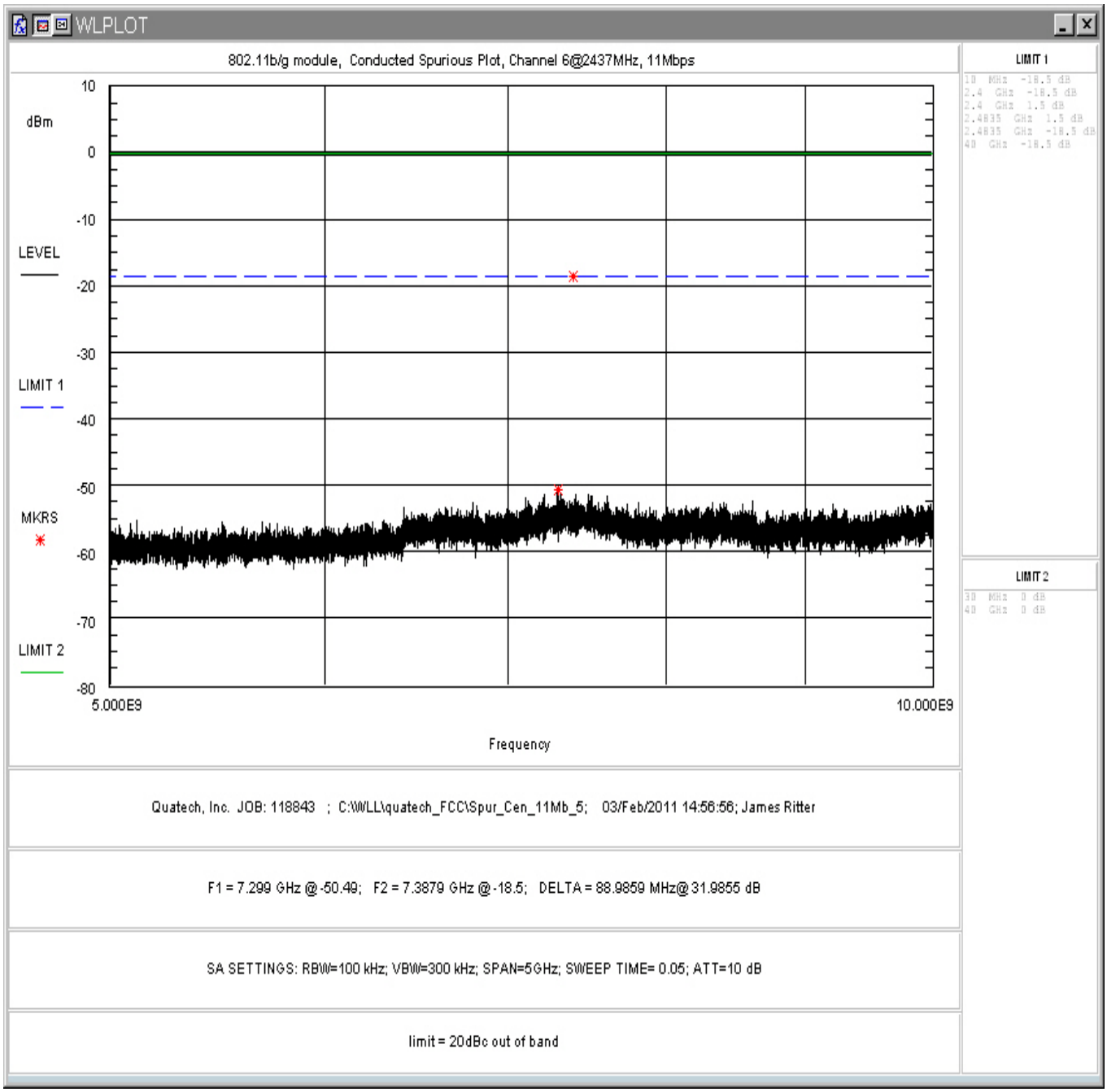

Figure 45: Conducted Spurious Emissions, Channel 6, 11Mbps, 5 - 10GHz

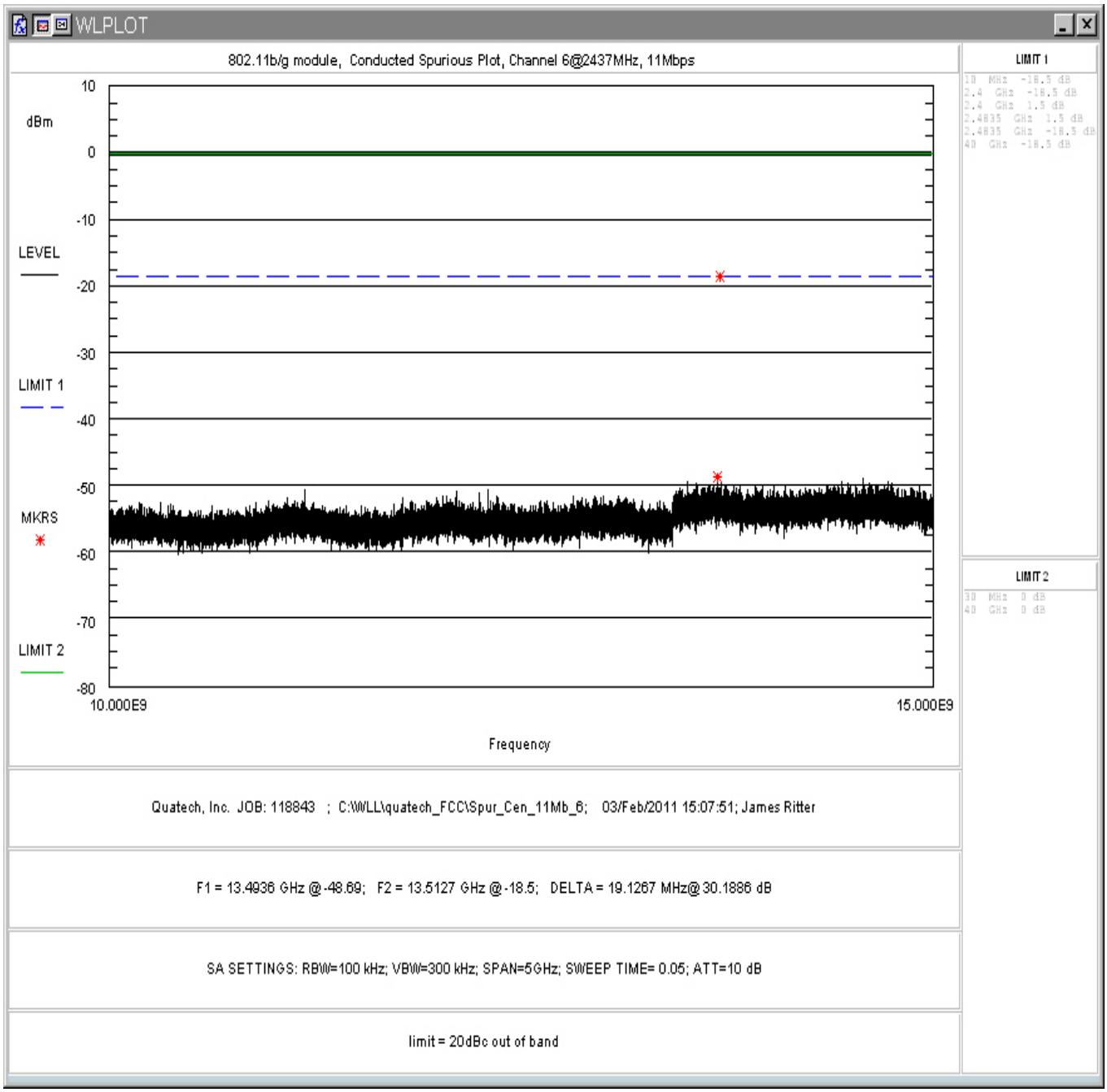

Figure 46: Conducted Spurious Emissions, Channel 6, 11Mbps, 10-15GHz

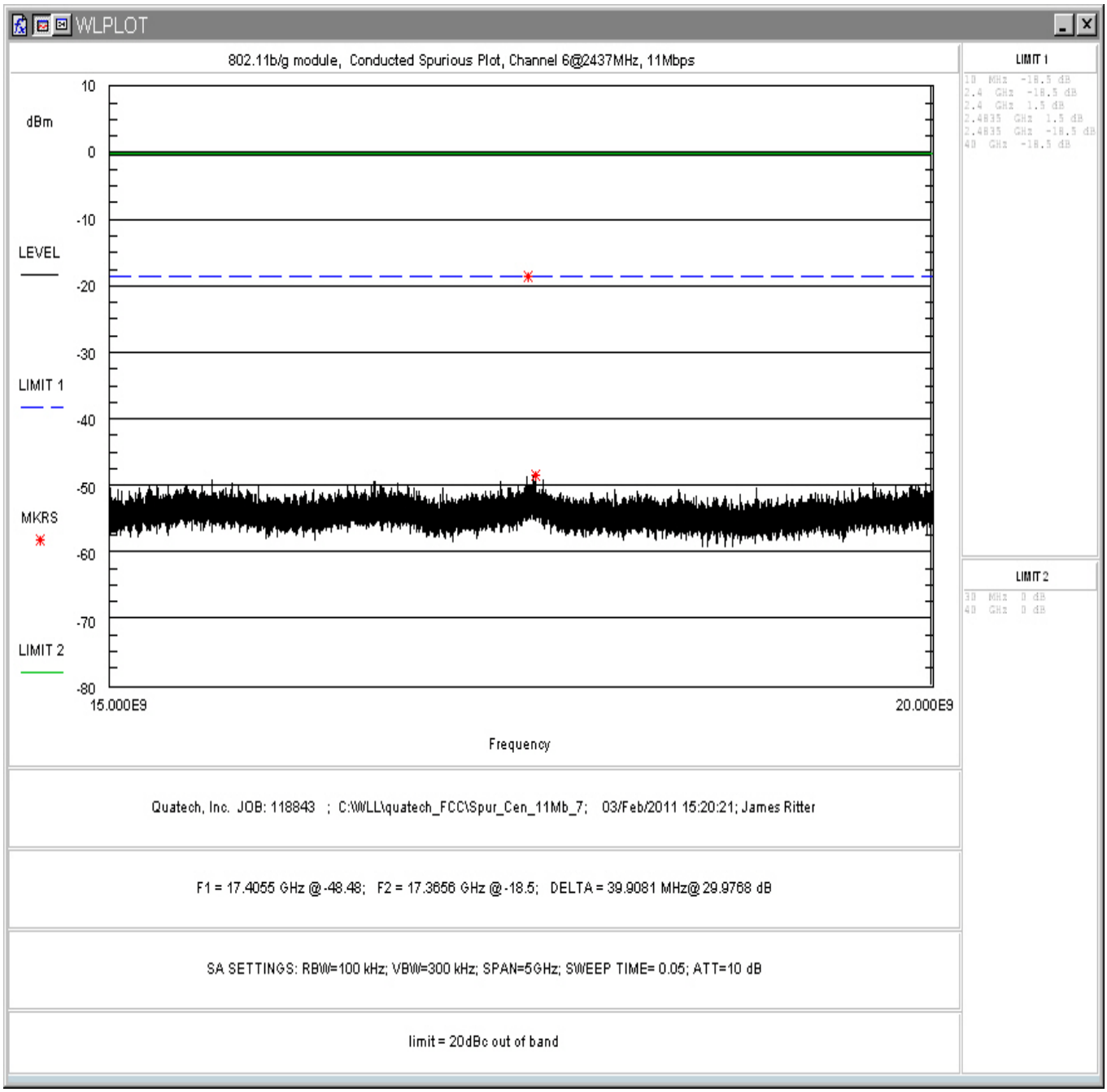

Figure 47: Conducted Spurious Emissions, Channel 6, 11Mbps, 15-20GHz

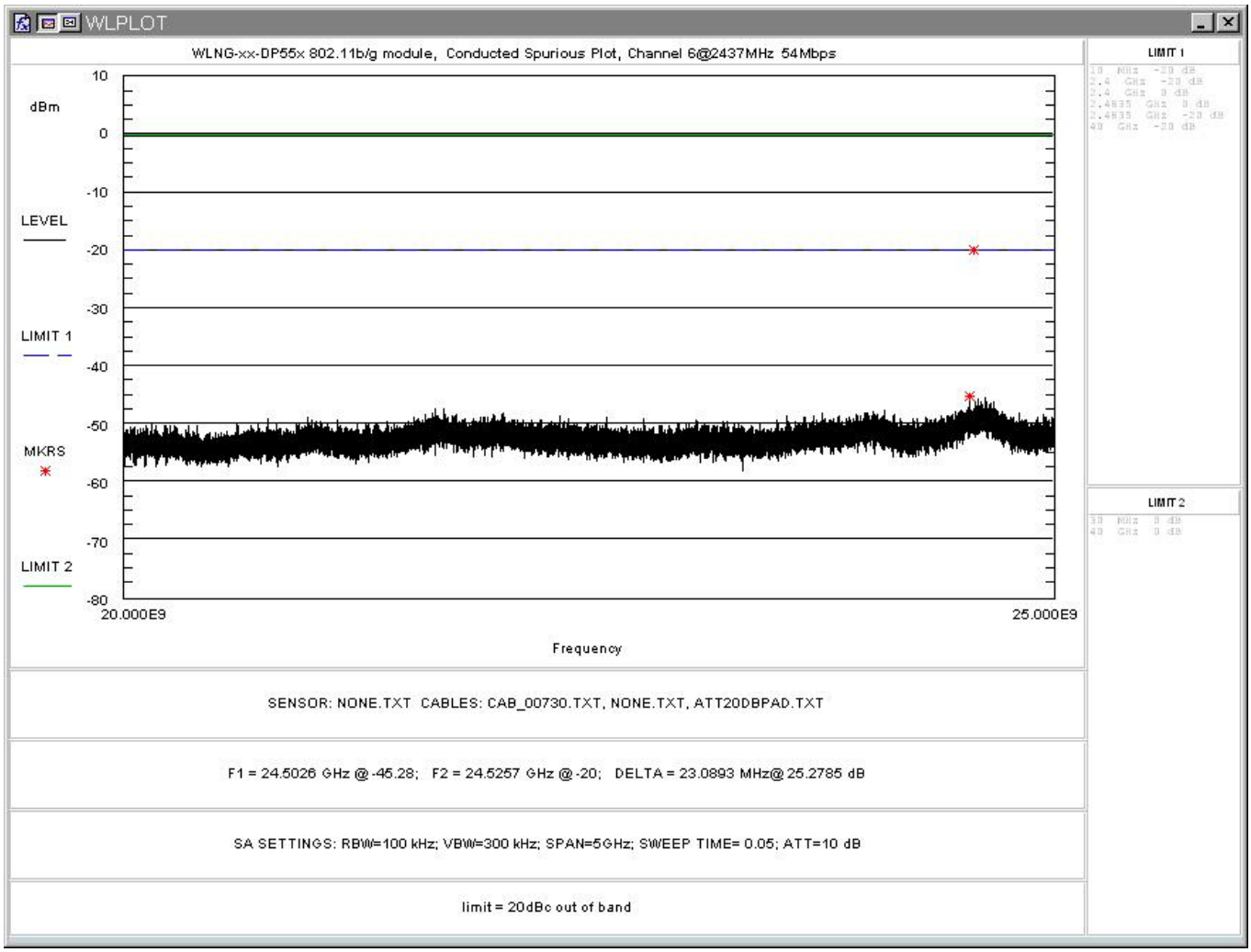

Figure 48: Conducted Spurious Emissions, Channel 6, 11Mbps, 20-25 GHz

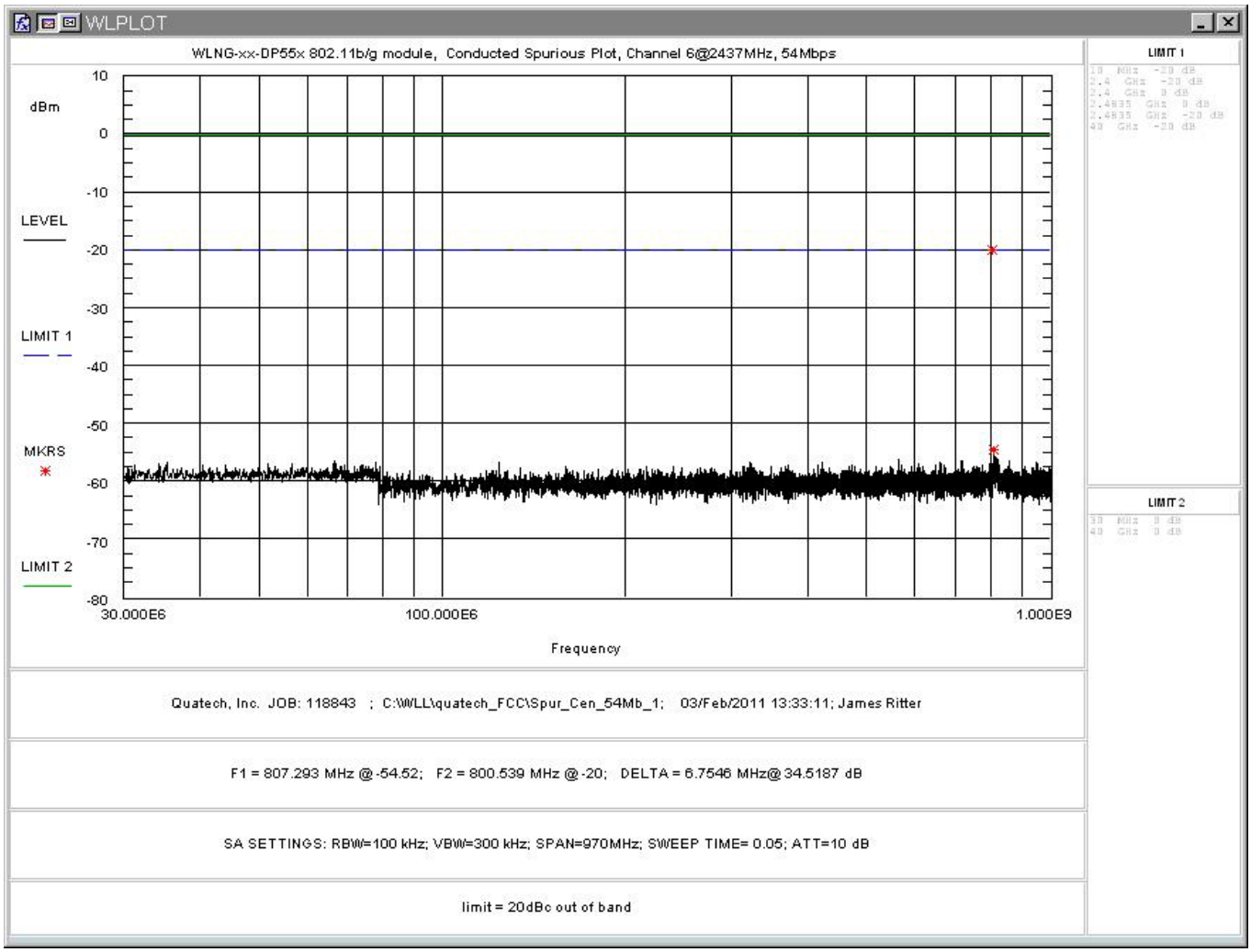

Figure 49: Conducted Spurious Emissions, Channel 6, 54Mbps, 30 - 1000MHz

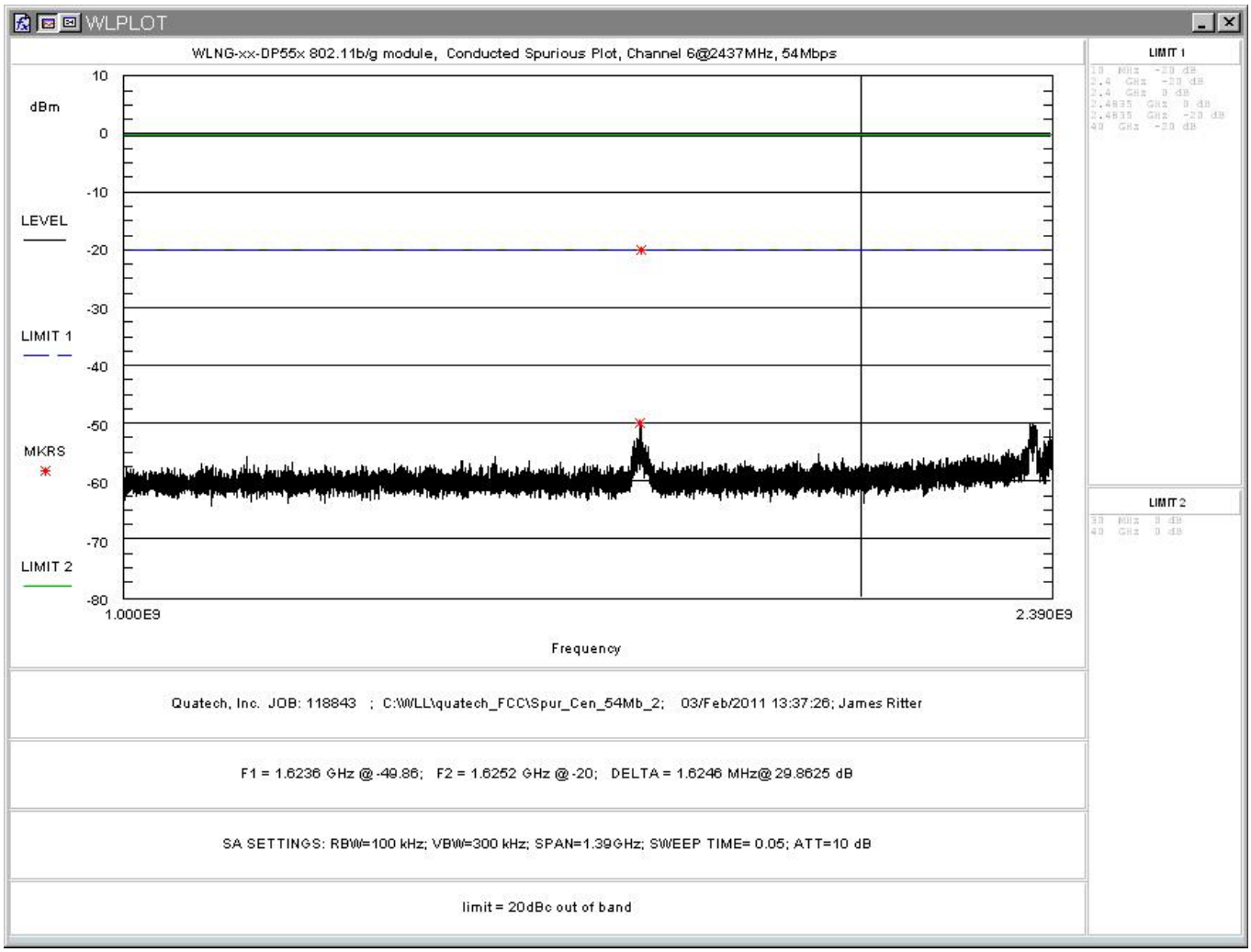

Figure 50: Conducted Spurious Emissions, Channel 6, 54Mbps, 1 – 2.39GHz

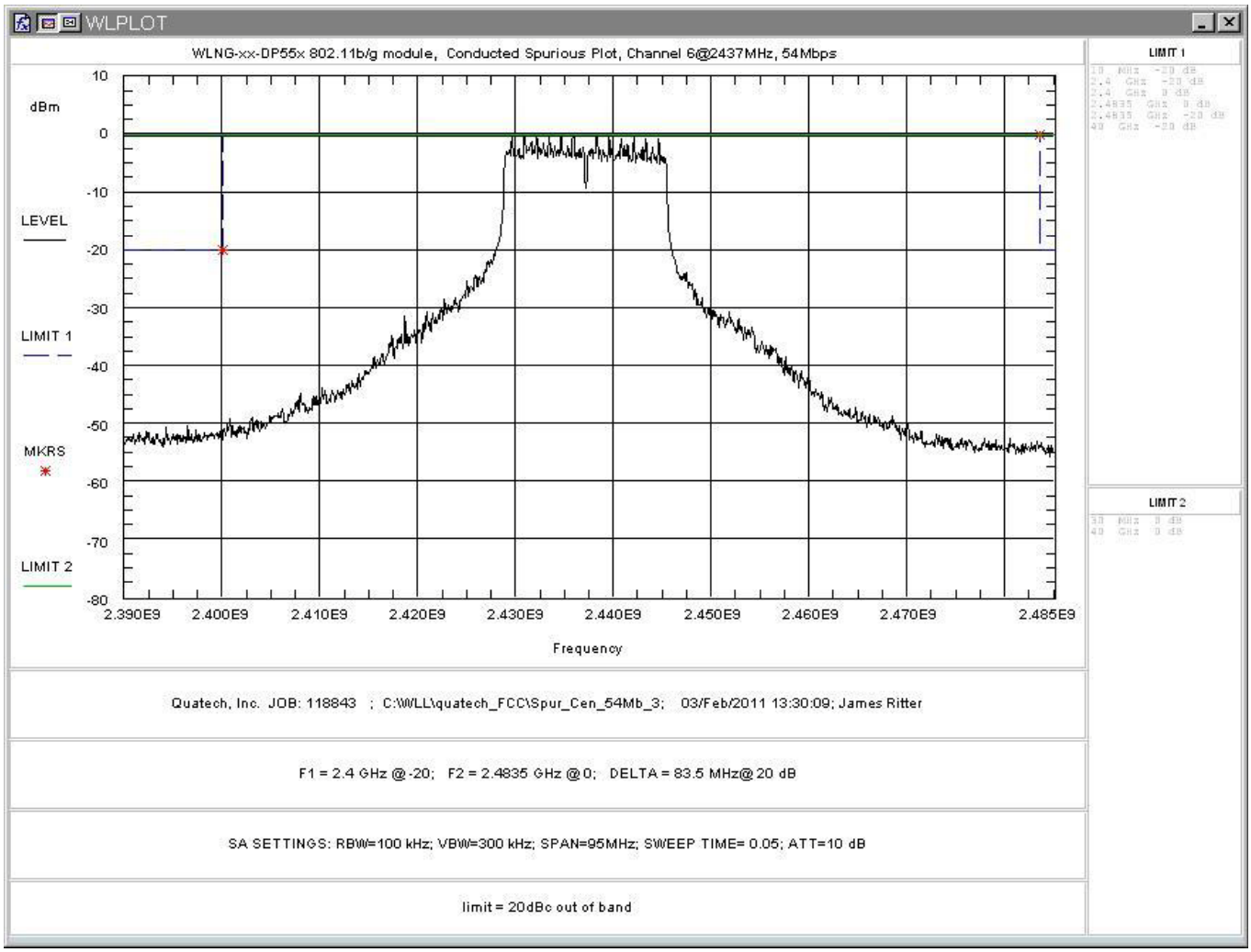

Figure 51: Conducted Spurious Emissions, Channel 6, 54Mbps, 2.39 – 2.485GHz

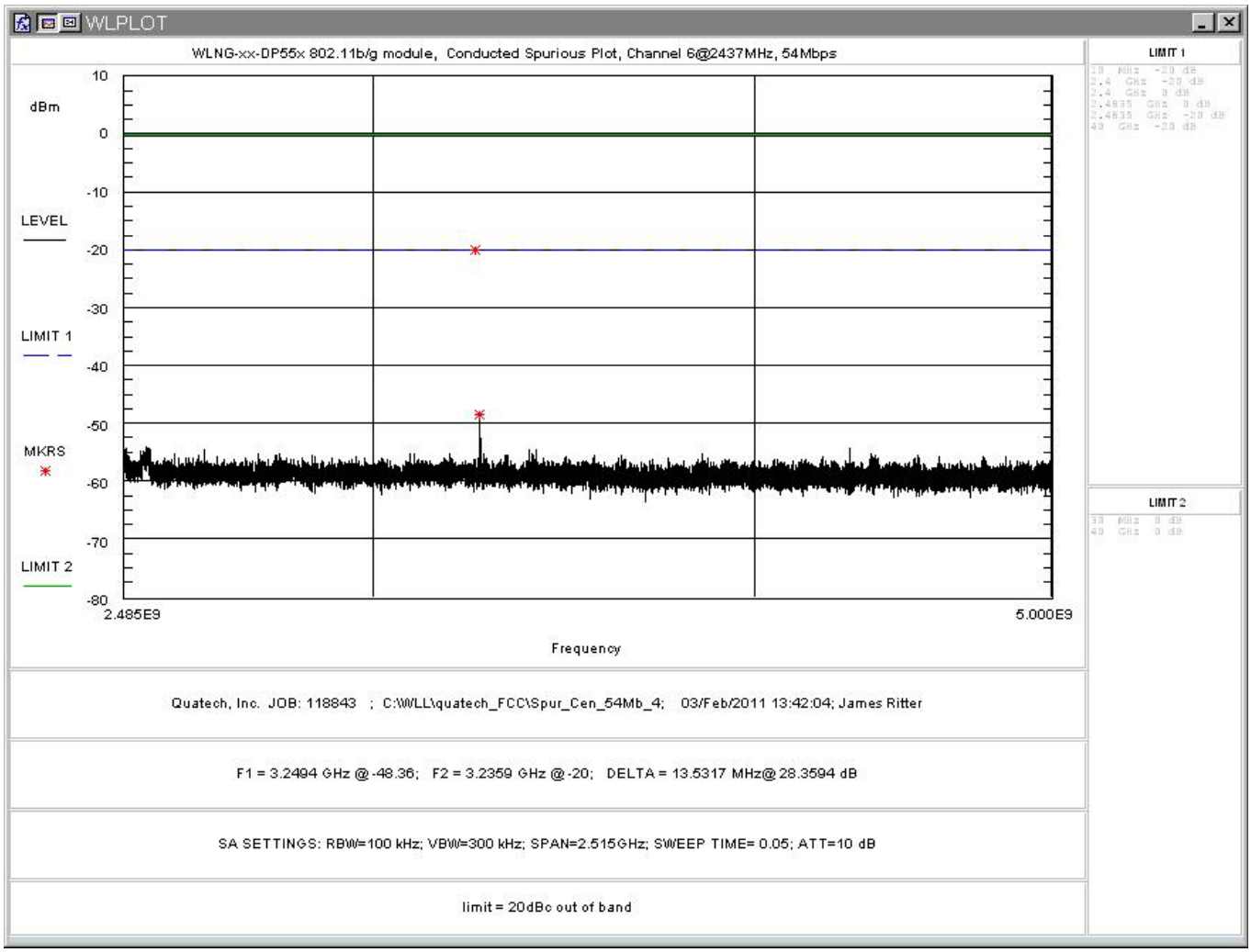

Figure 52: Conducted Spurious Emissions, Channel 6, 54Mbps, 2.485 - 5GHz

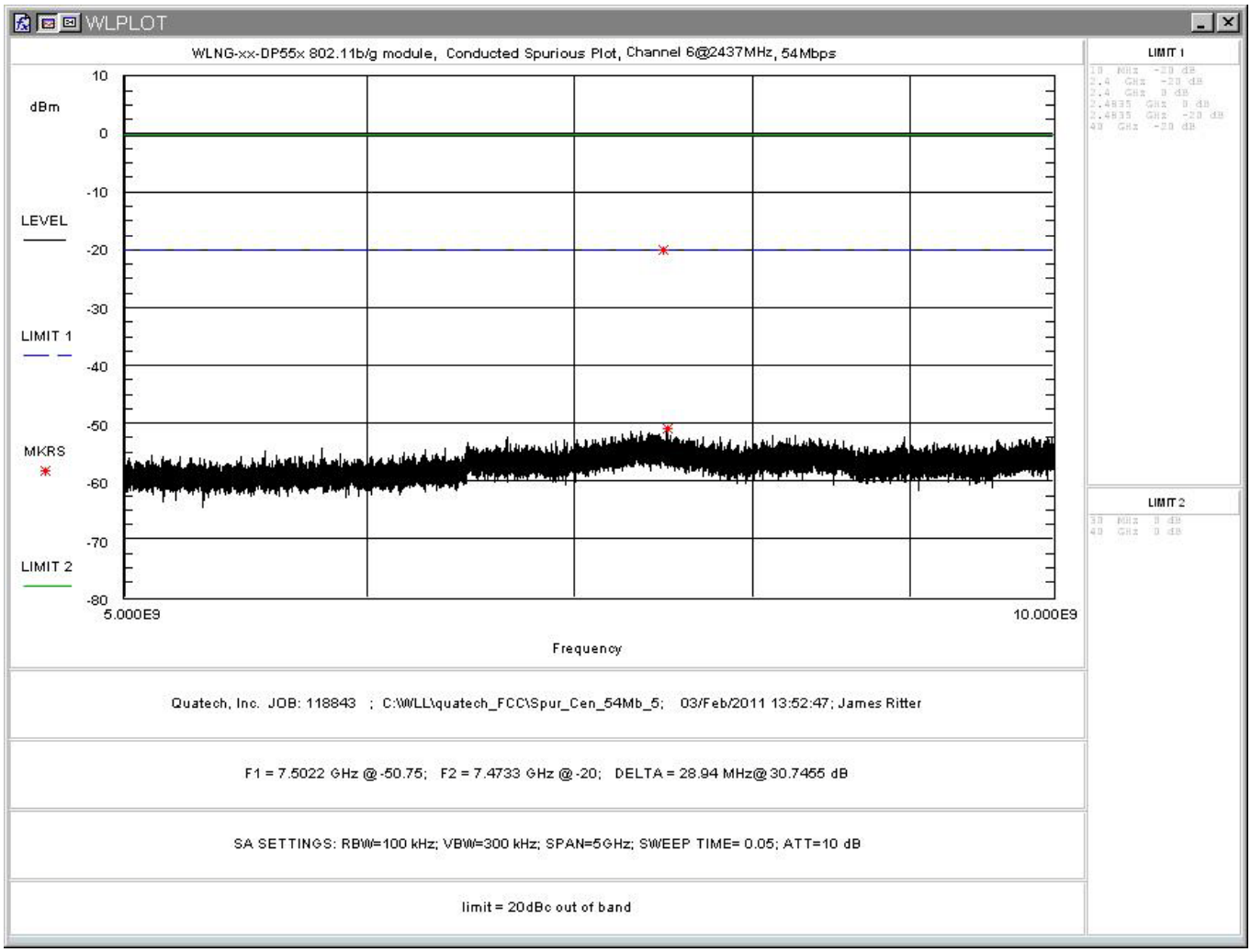

Figure 53: Conducted Spurious Emissions, Channel 6, 54Mbps, 5 - 10GHz

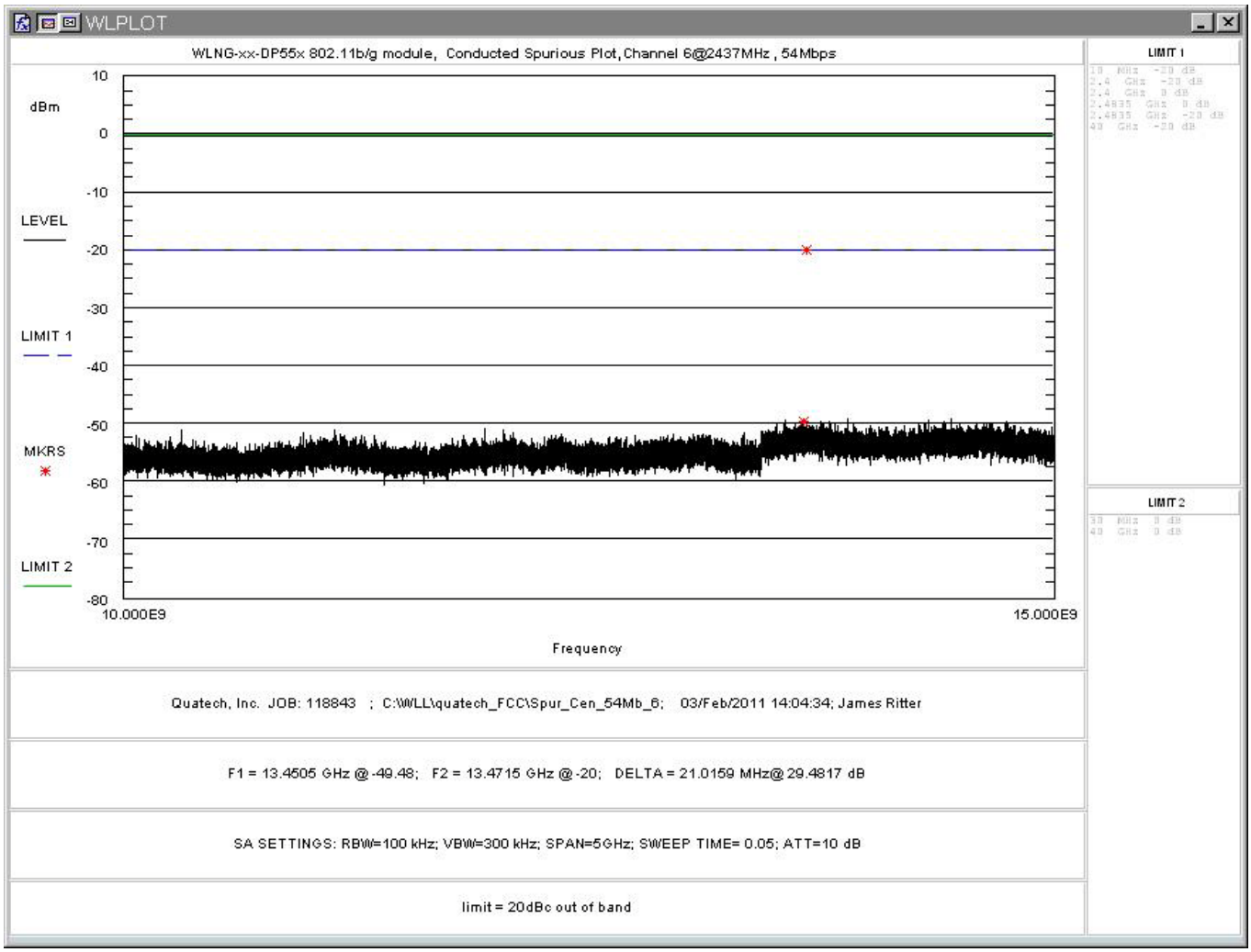

Figure 54: Conducted Spurious Emissions, Channel 6, 54Mbps, 10-15GHz

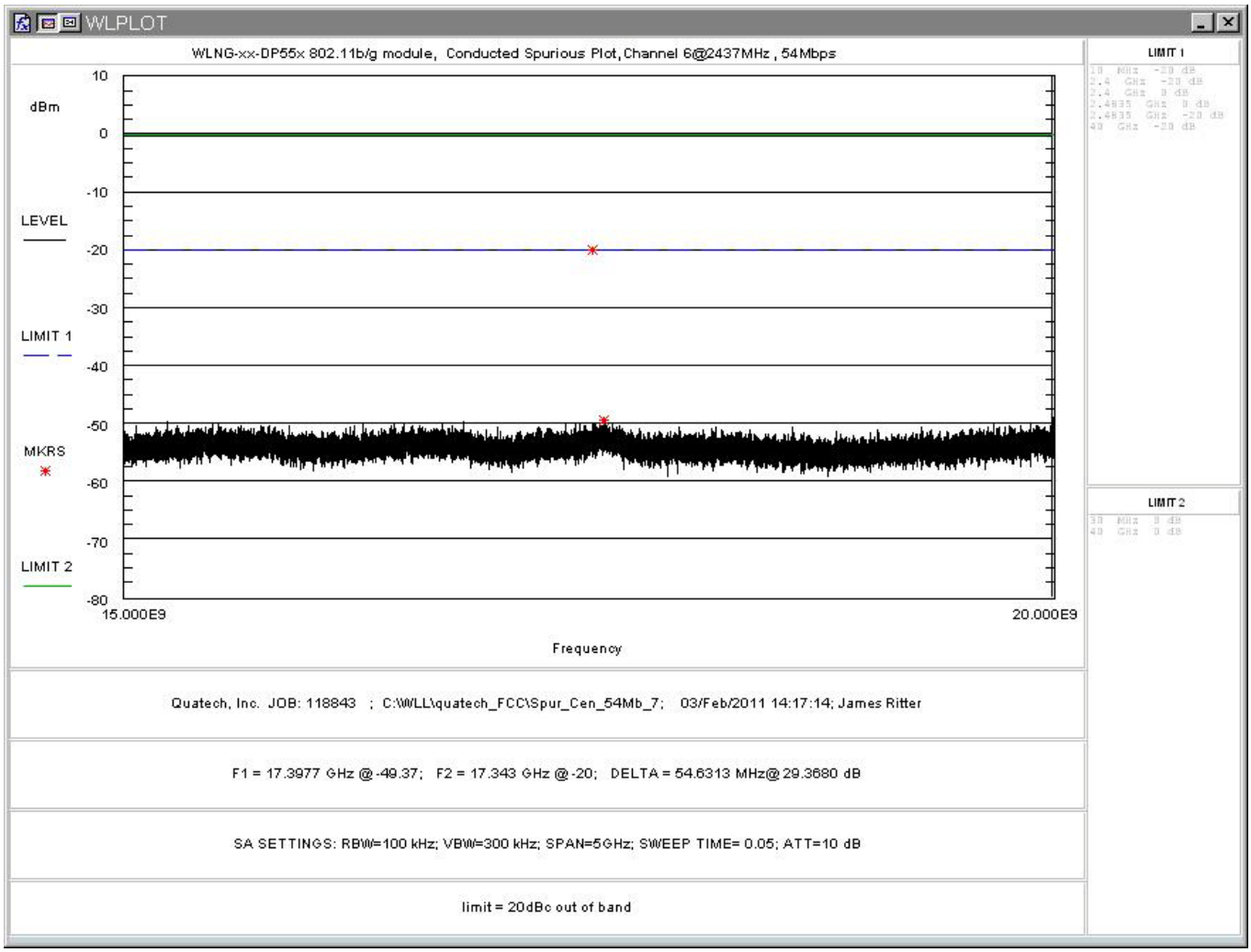

Figure 55: Conducted Spurious Emissions, Channel 6, 54Mbps, 15-20GHz

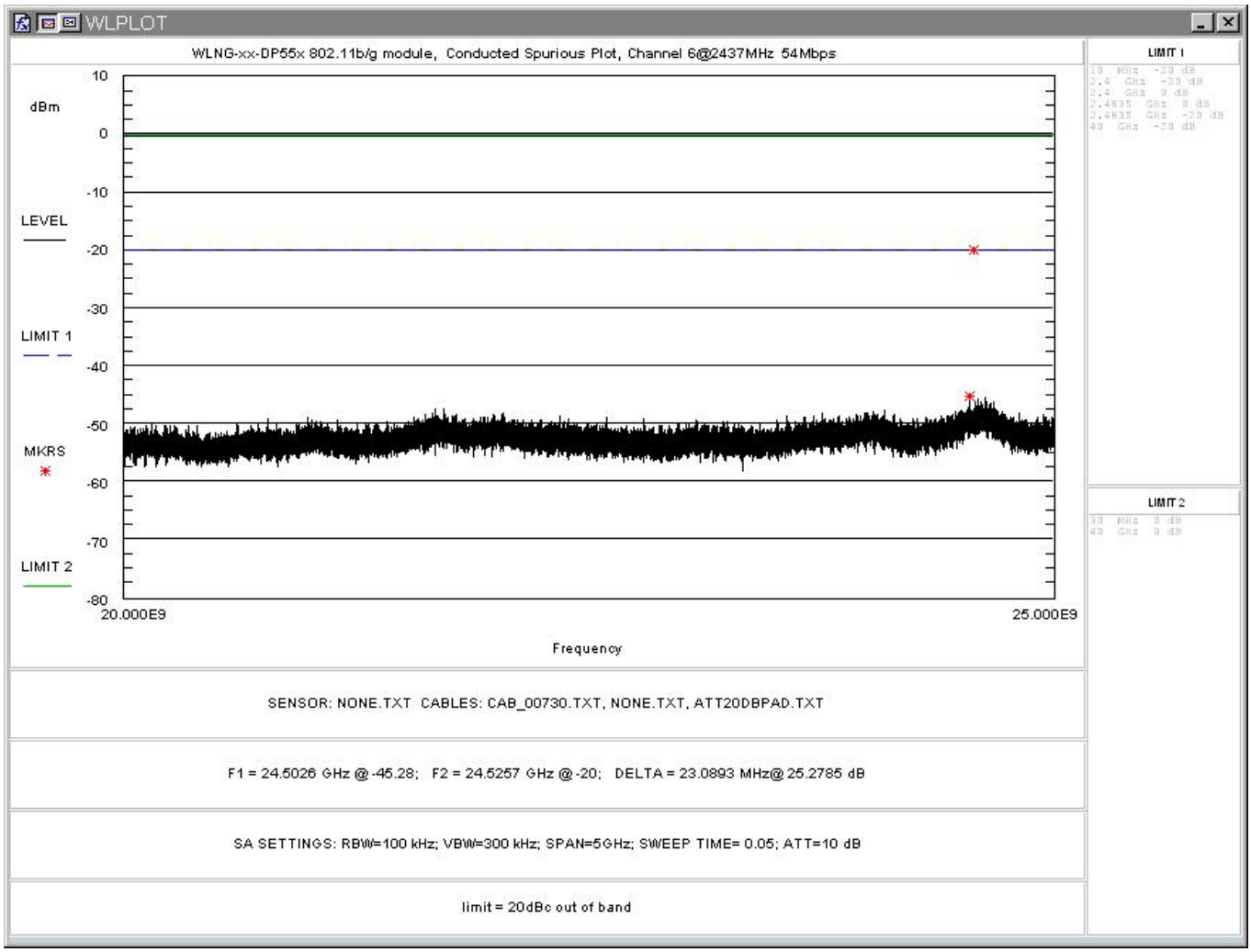

Figure 56: Conducted Spurious Emissions, Channel 6, 54Mbps, 20-25 GHz

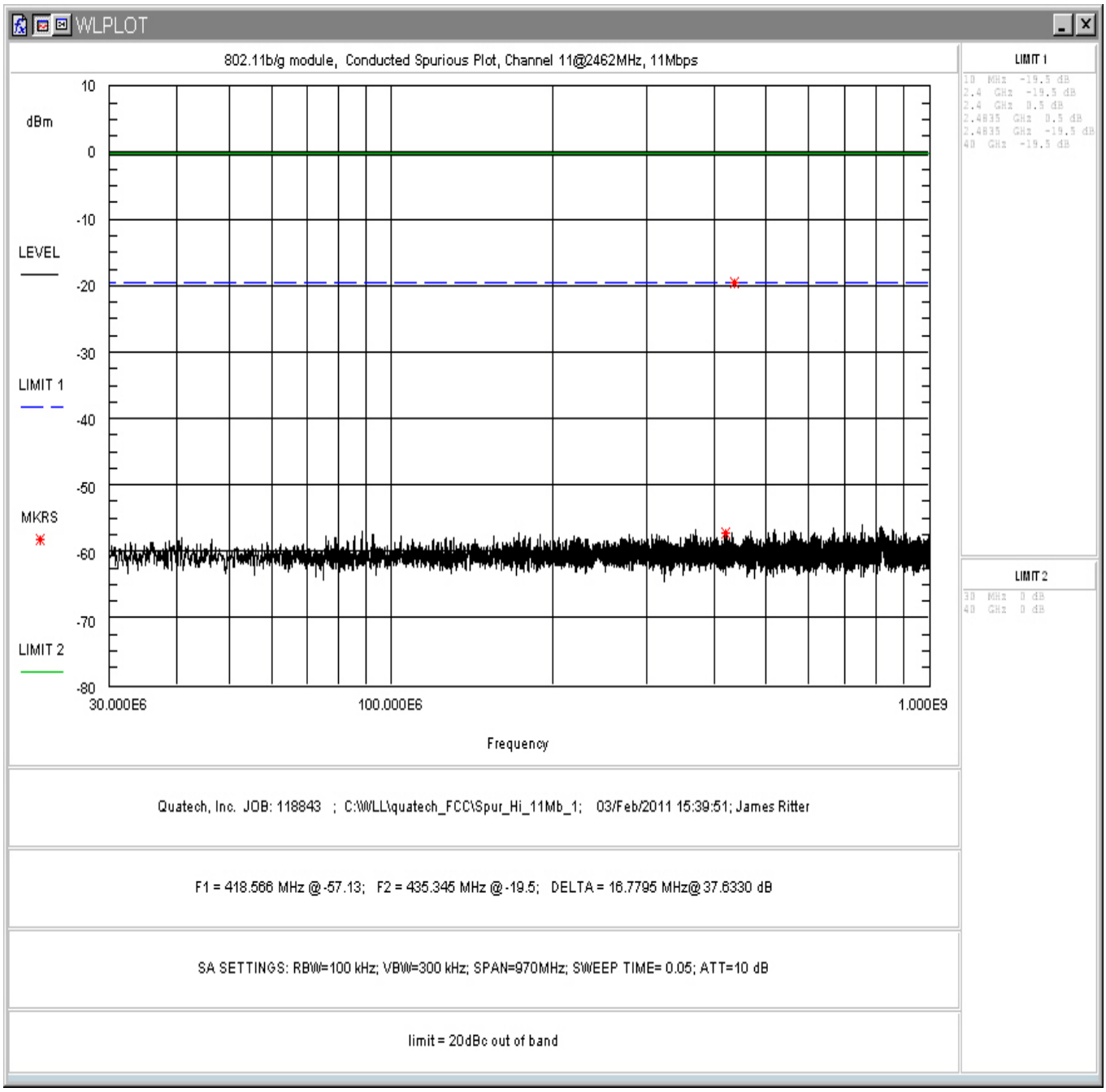

Figure 57: Conducted Spurious Emissions, Channel 11, 11Mbps, 30 - 1000MHz

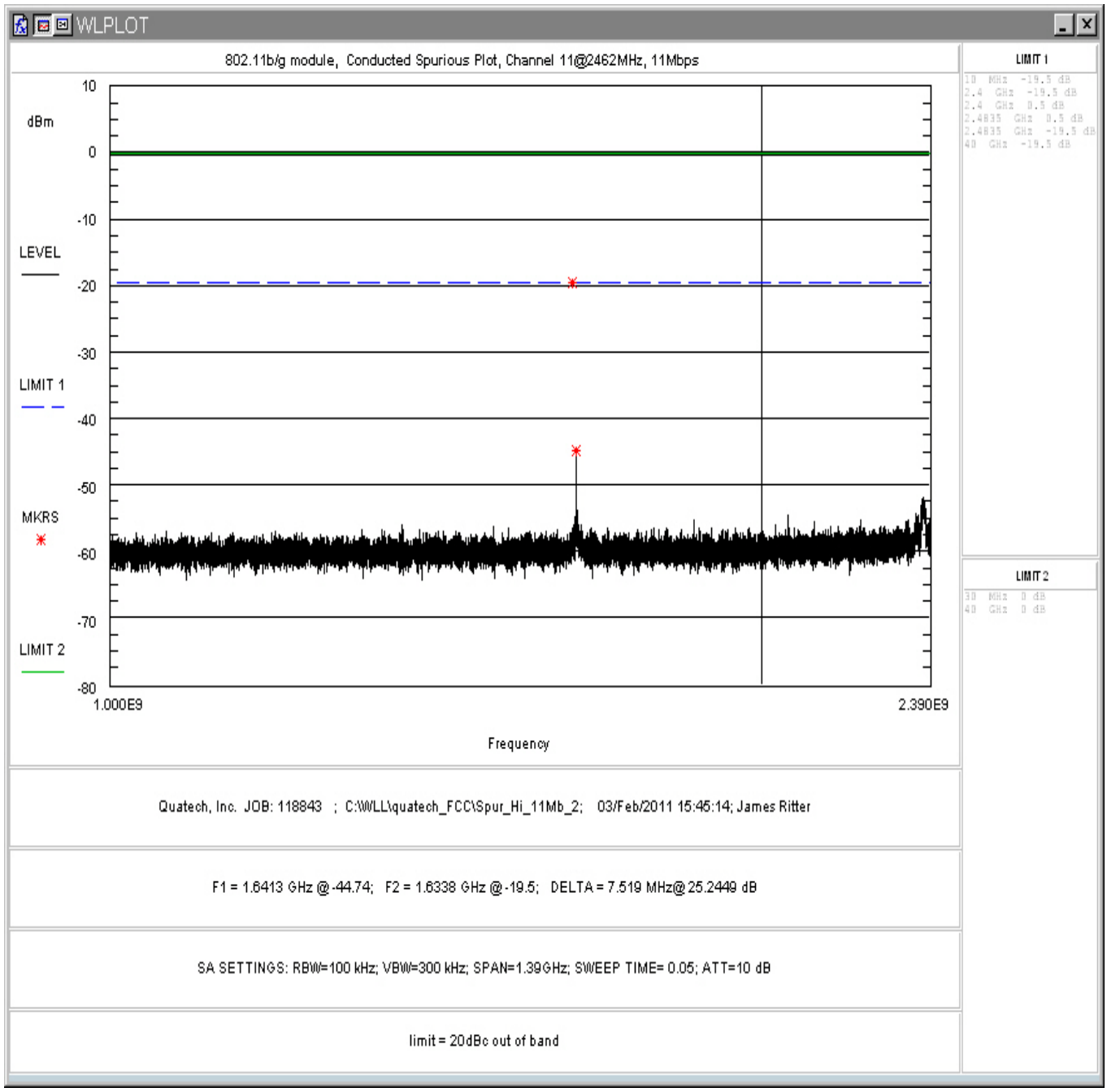

Figure 58: Conducted Spurious Emissions, Channel 11, 11Mbps, 1 – 2.39GHz

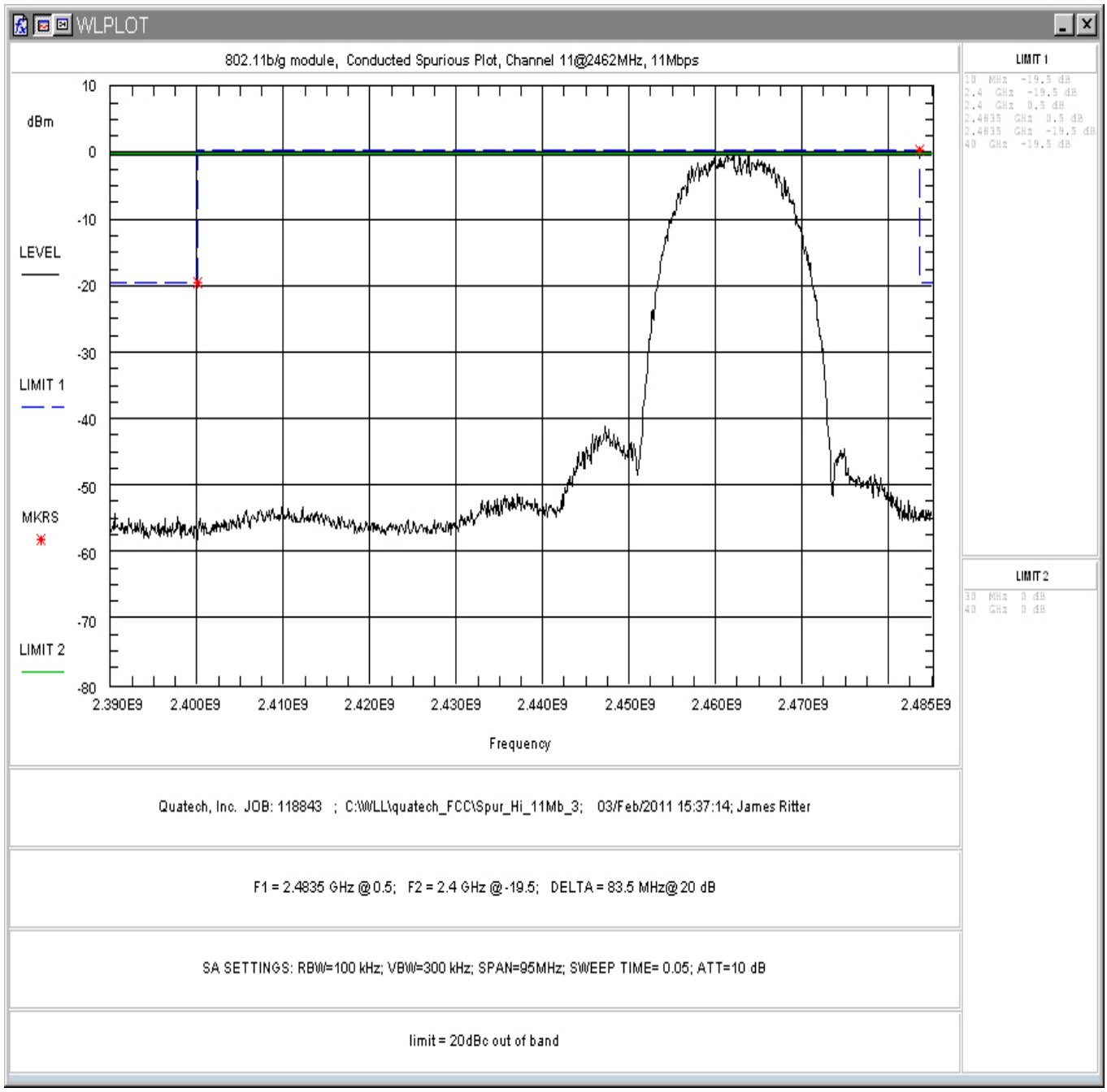

Figure 59: Conducted Spurious Emissions, Channel 11, 11Mbps, 2.39 – 2.485GHz

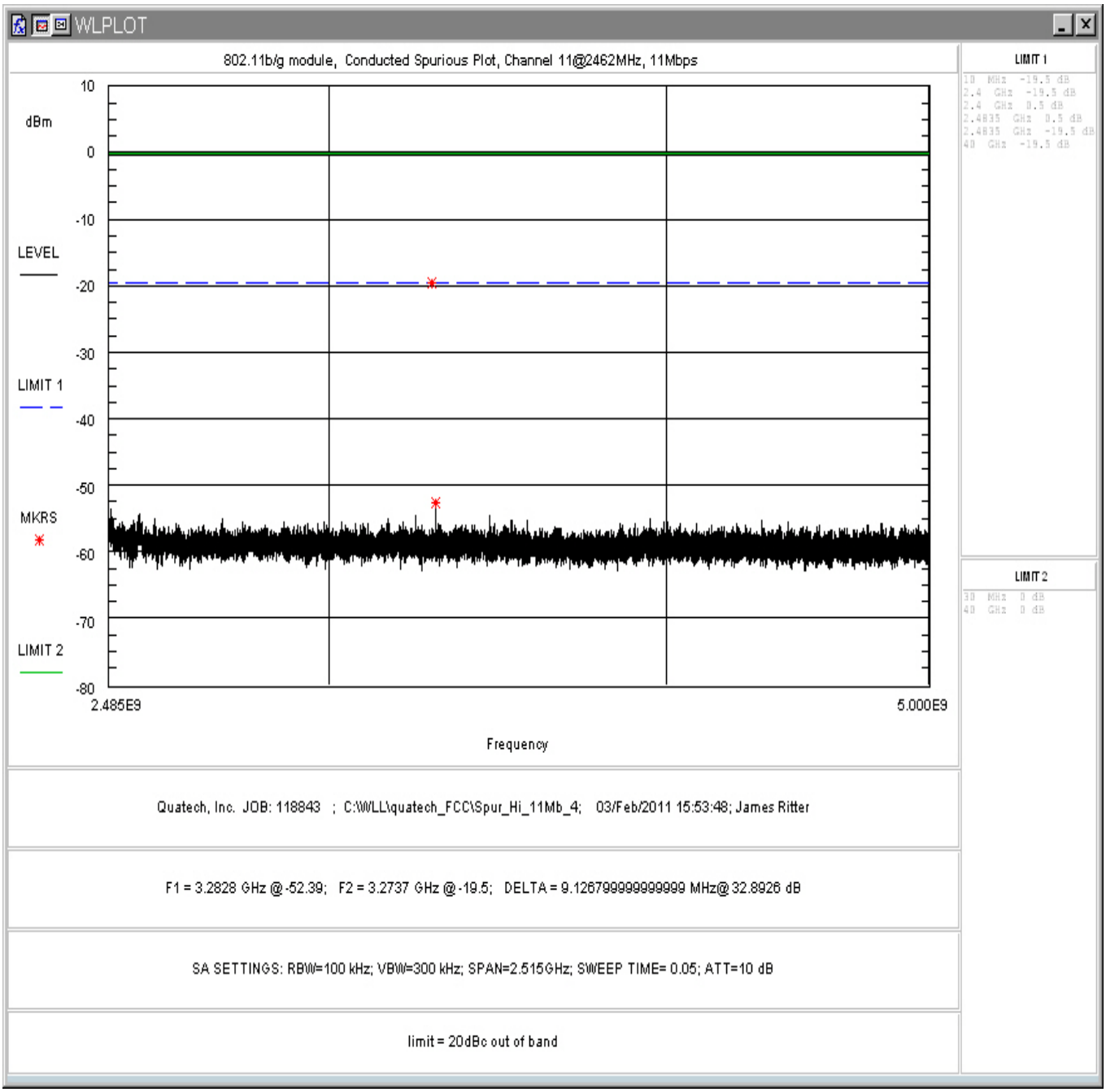

Figure 60: Conducted Spurious Emissions, Channel 11, 11Mbps, 2.485 - 5GHz

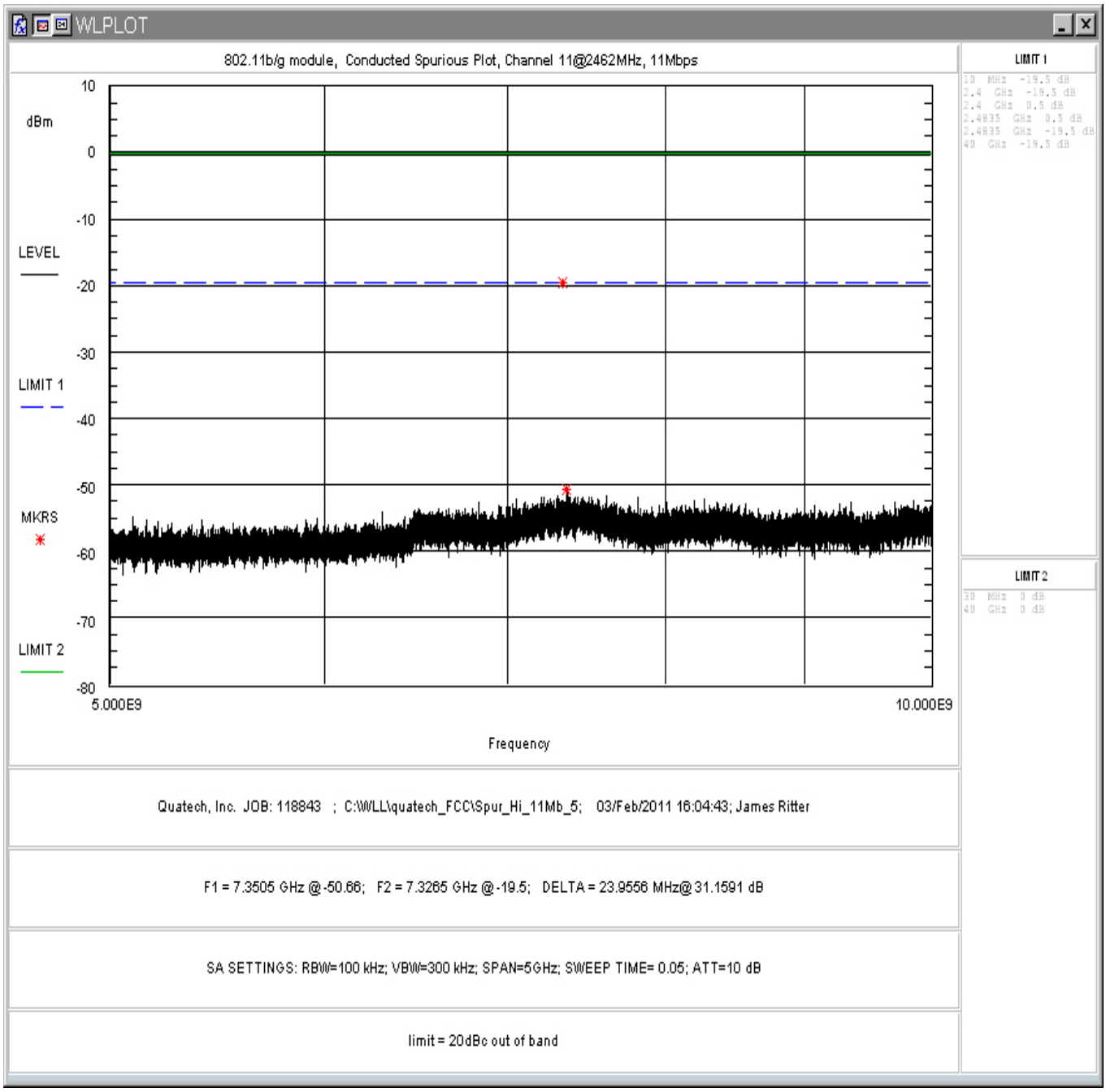

Figure 61: Conducted Spurious Emissions, Channel 11, 11Mbps, 5 - 10GHz

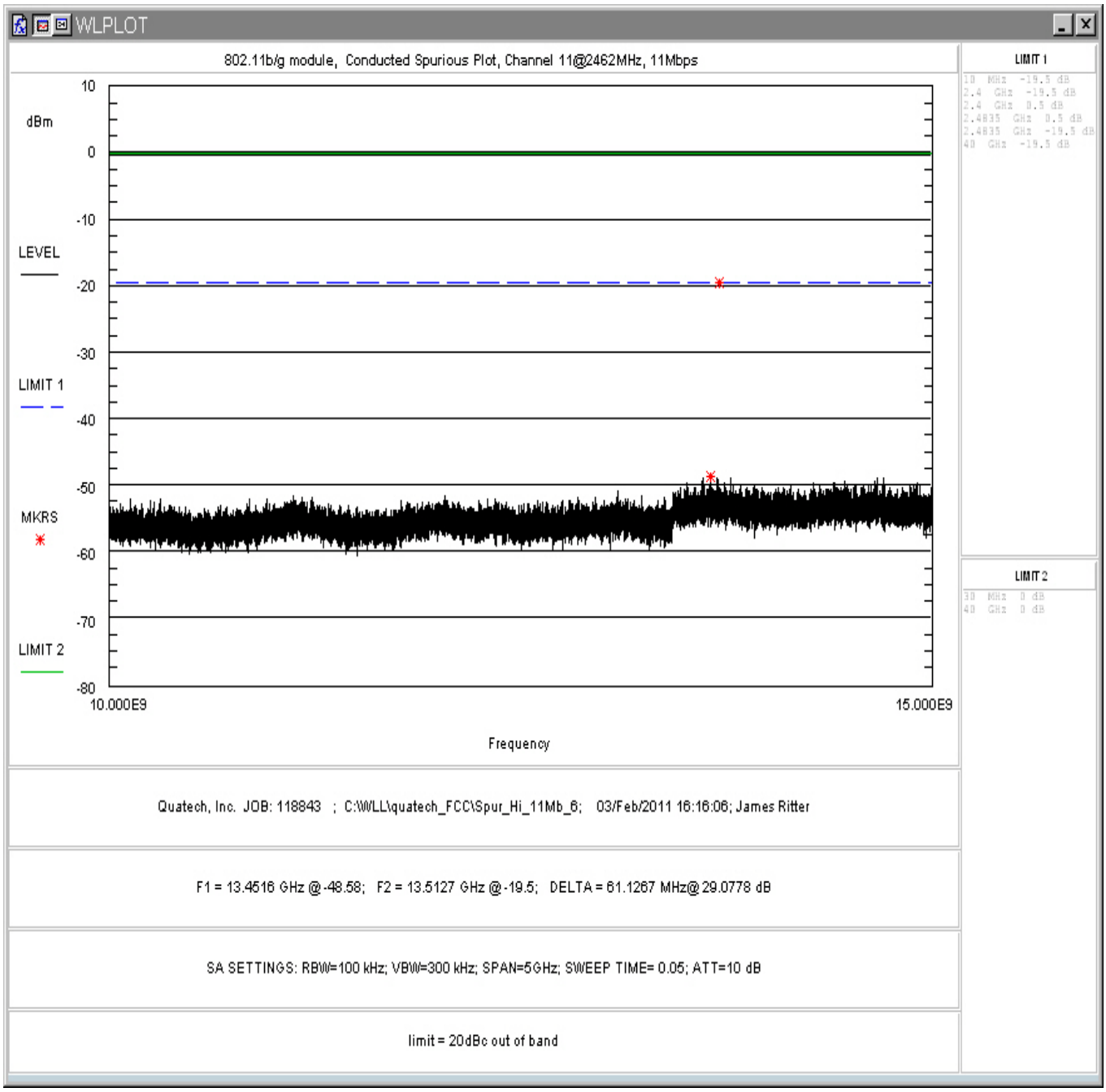

Figure 62: Conducted Spurious Emissions, Channel 11, 11Mbps, 10-15GHz

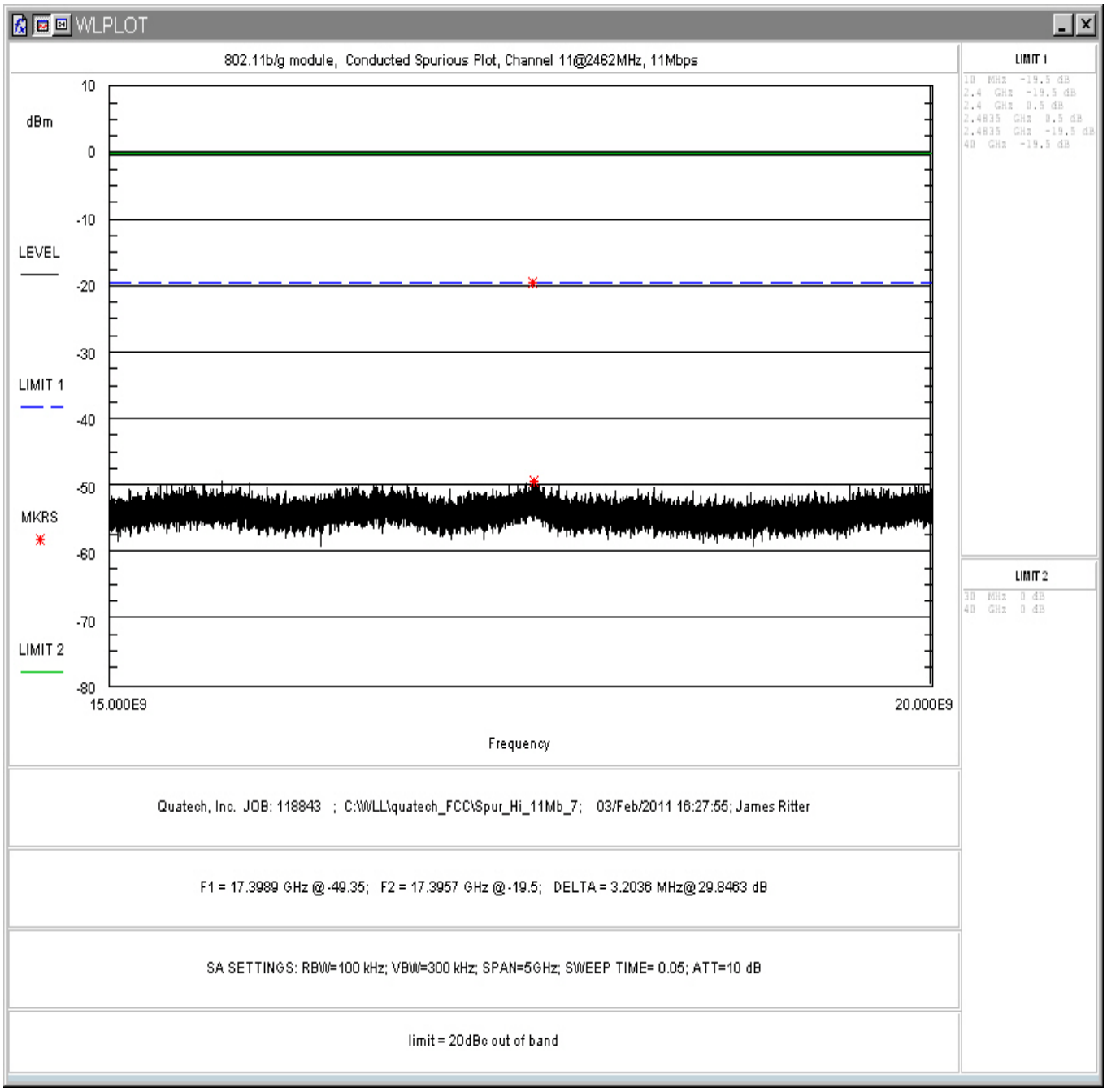

Figure 63: Conducted Spurious Emissions, Channel 11, 11Mbps, 15-20GHz

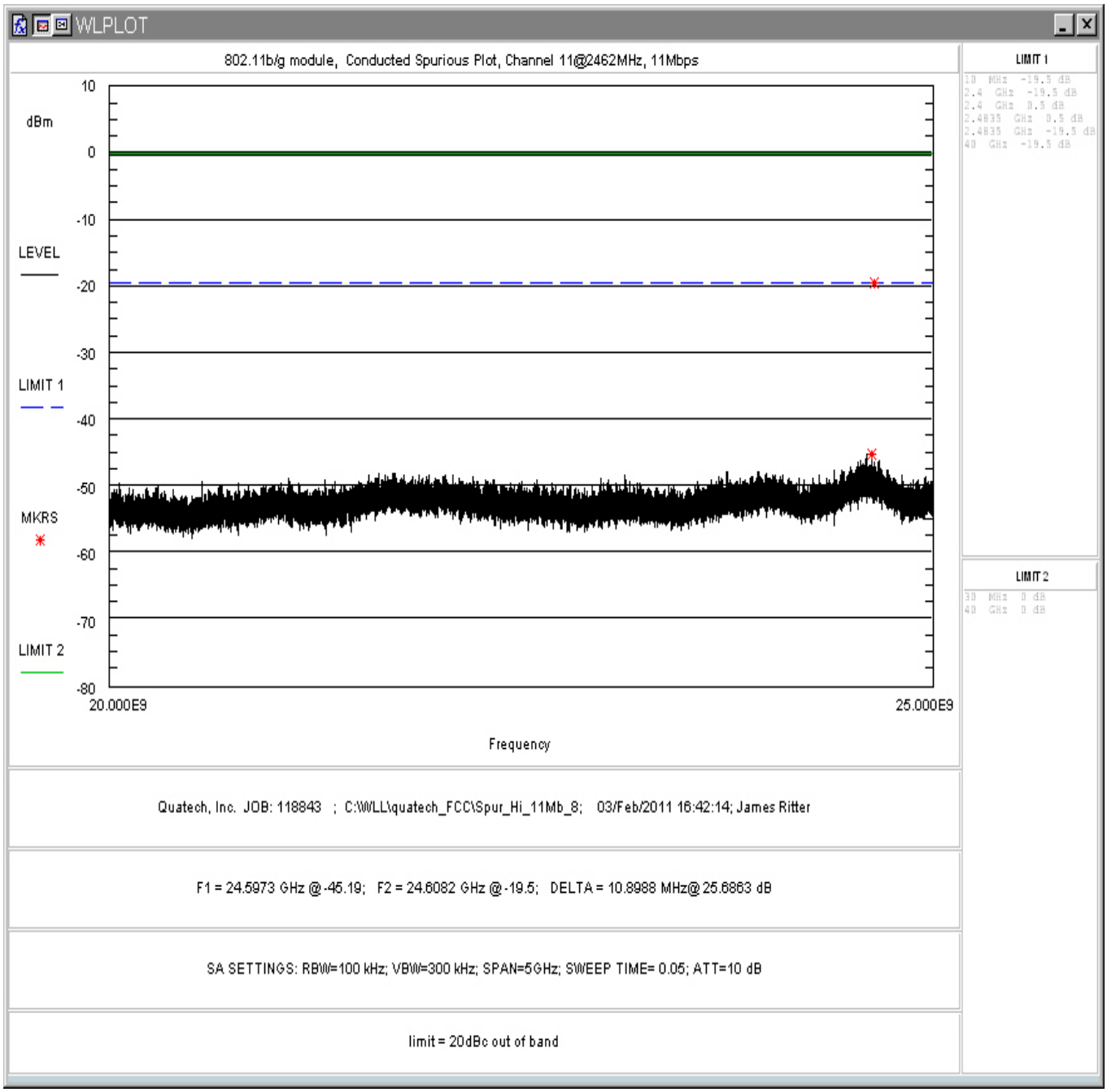

Figure 64: Conducted Spurious Emissions, Channel 11, 11Mbps, 20-25 GHz

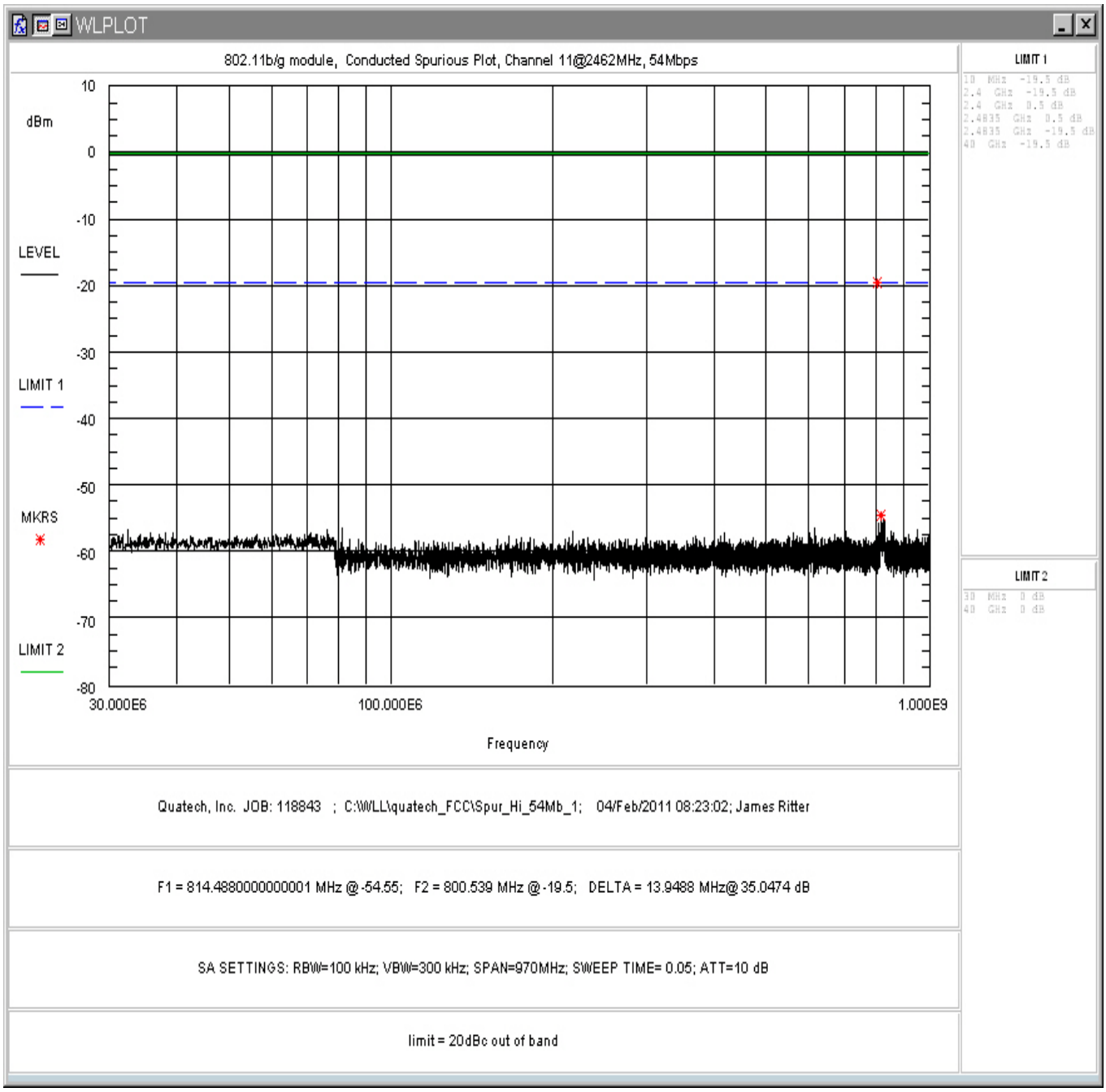

Figure 65: Conducted Spurious Emissions, Channel 11, 54Mbps, 30 - 1000MHz

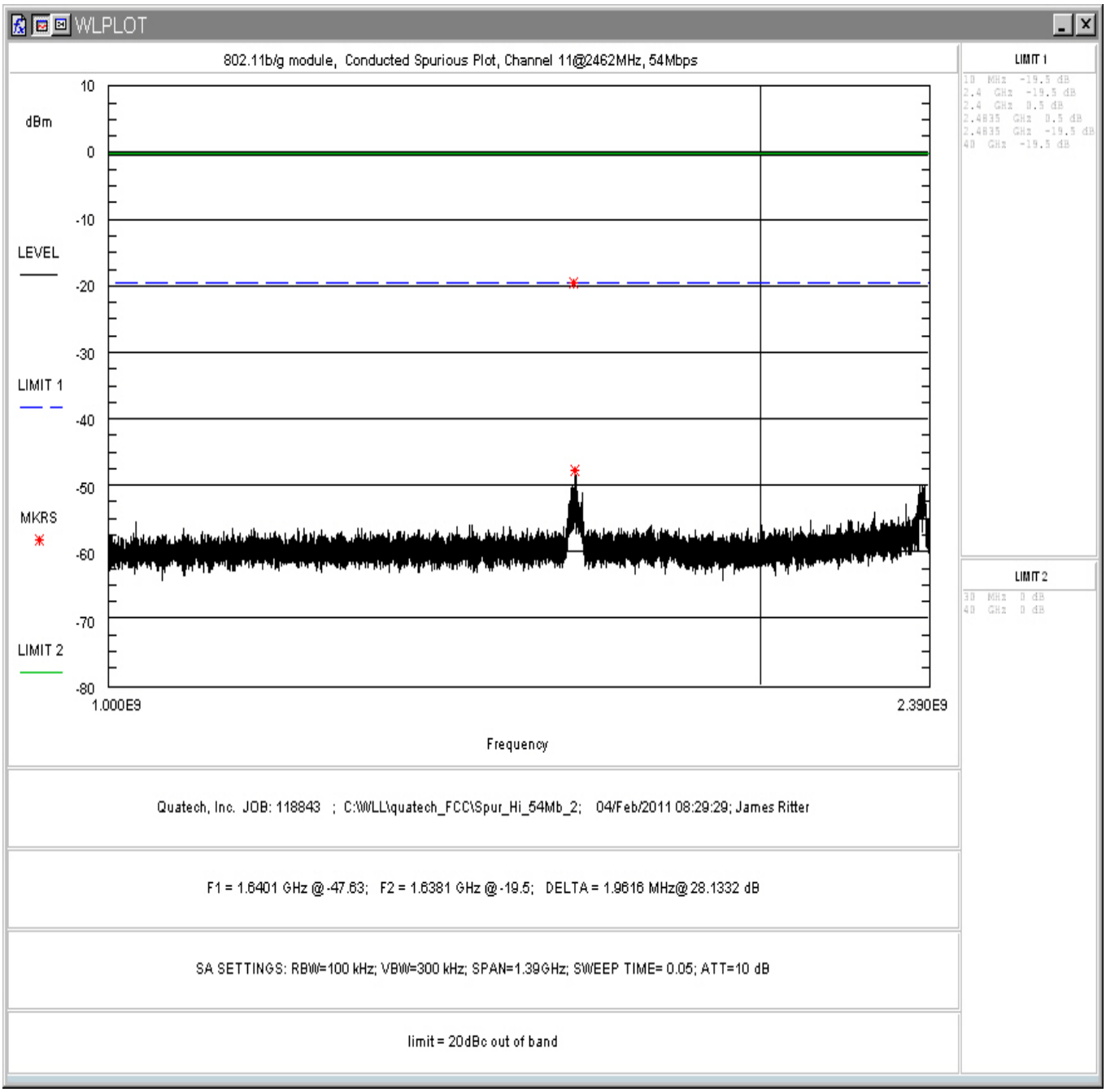

Figure 66: Conducted Spurious Emissions, Channel 11, 54Mbps, 1 – 2.39GHz

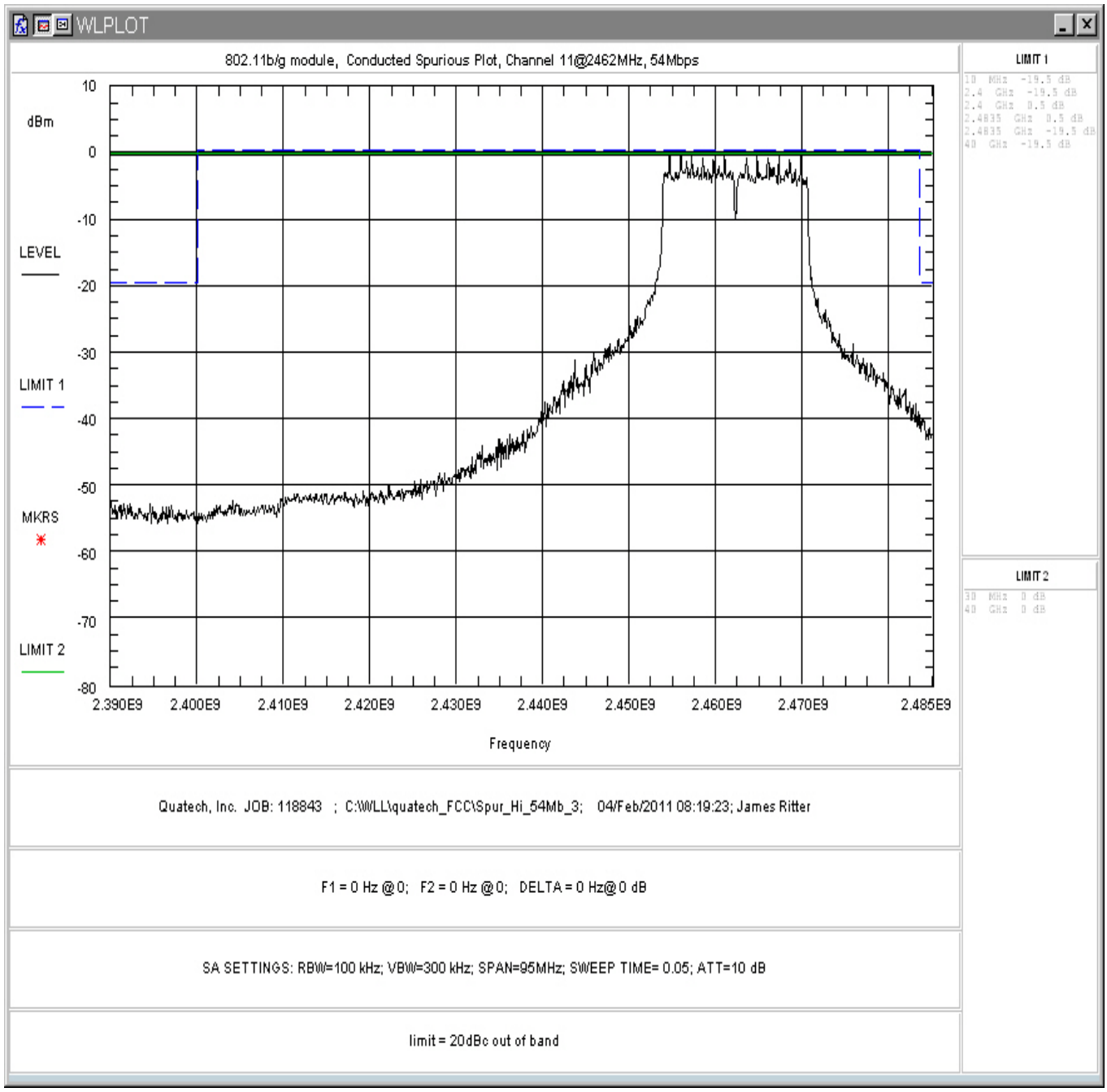

Figure 67: Conducted Spurious Emissions, Channel 11, 54Mbps, 2.39 – 2.485GHz

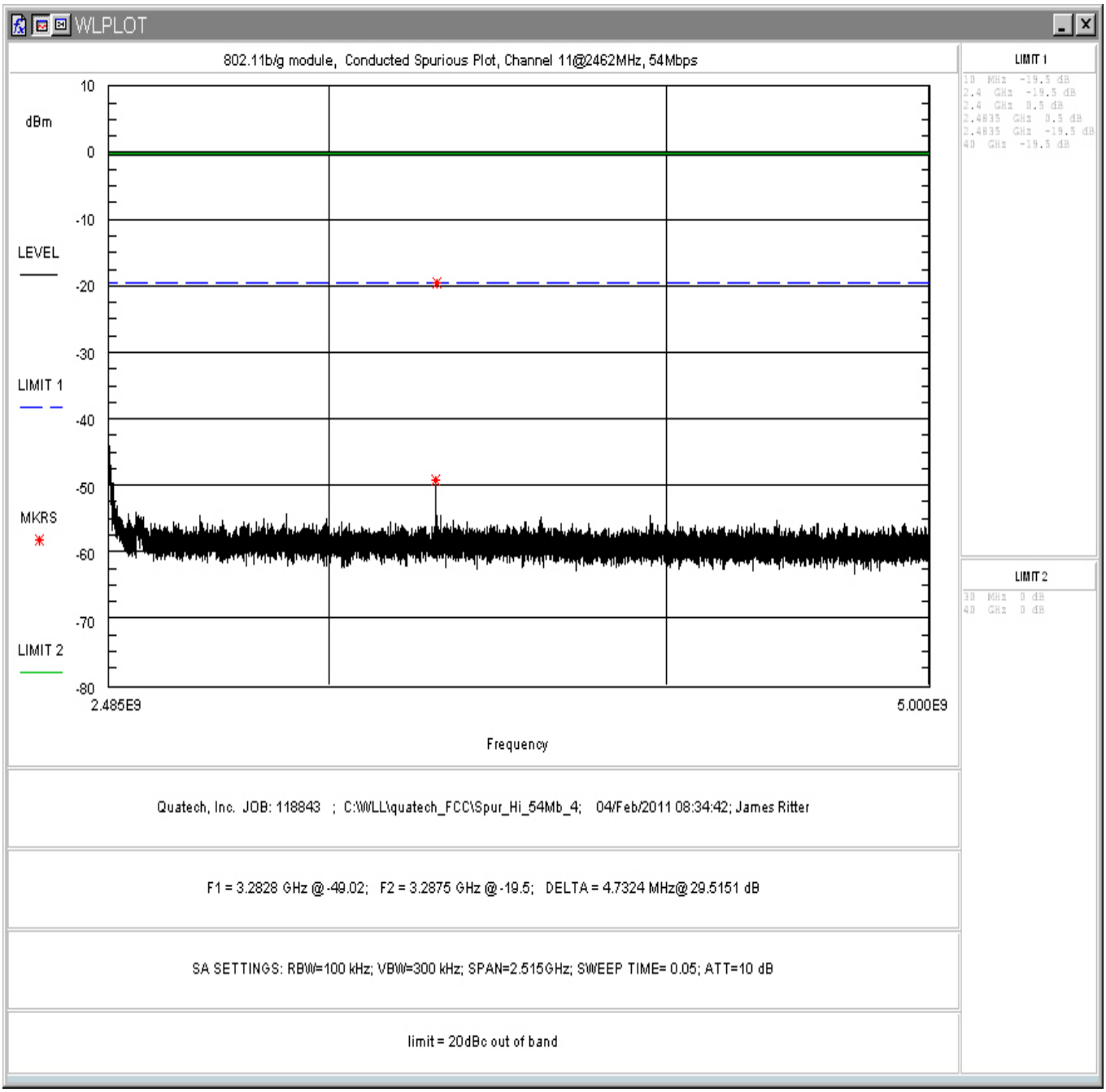

Figure 68: Conducted Spurious Emissions, Channel 11, 54Mbps, 2.485 - 5GHz

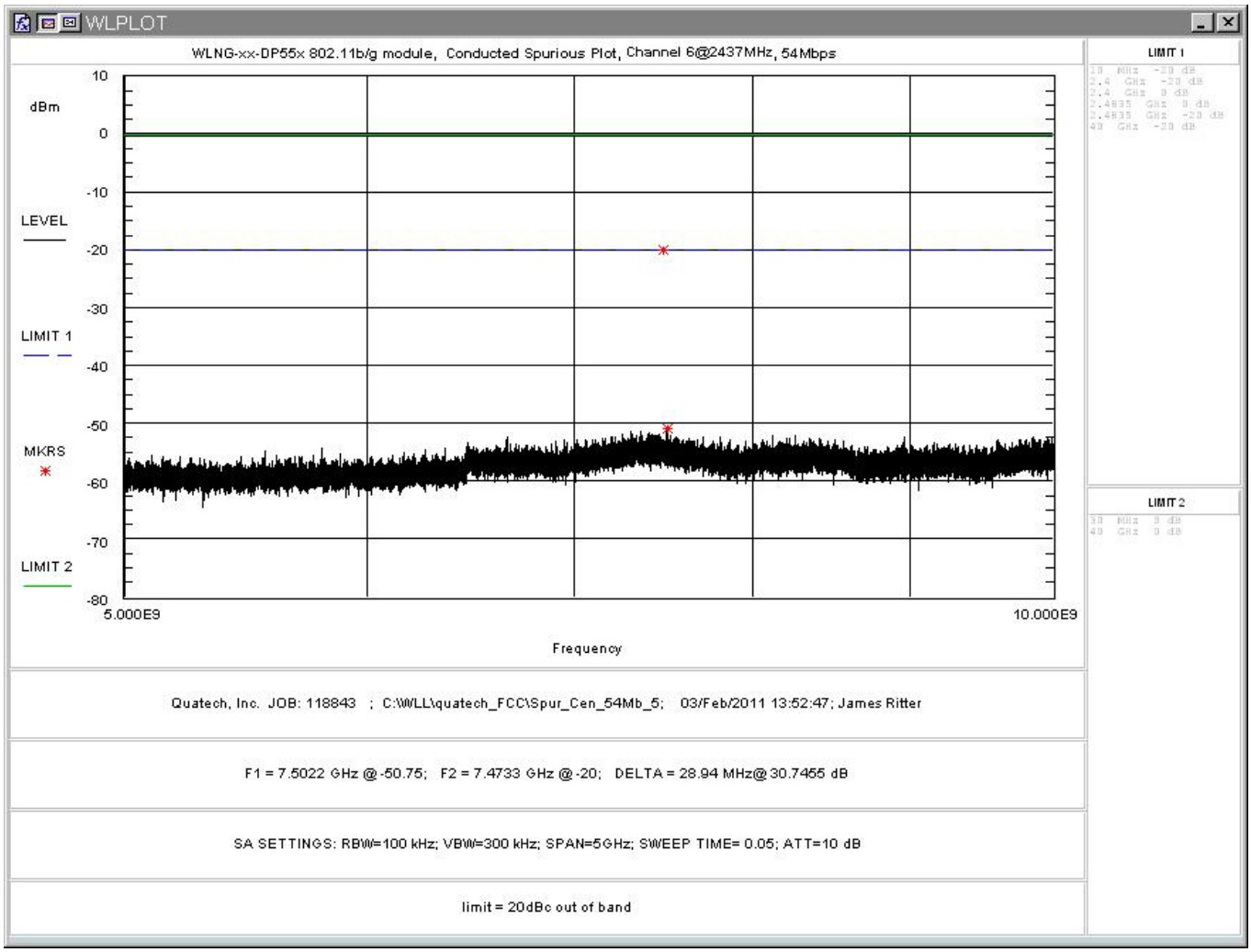

Figure 69: Conducted Spurious Emissions, Channel 11, 54Mbps, 5 - 10GHz

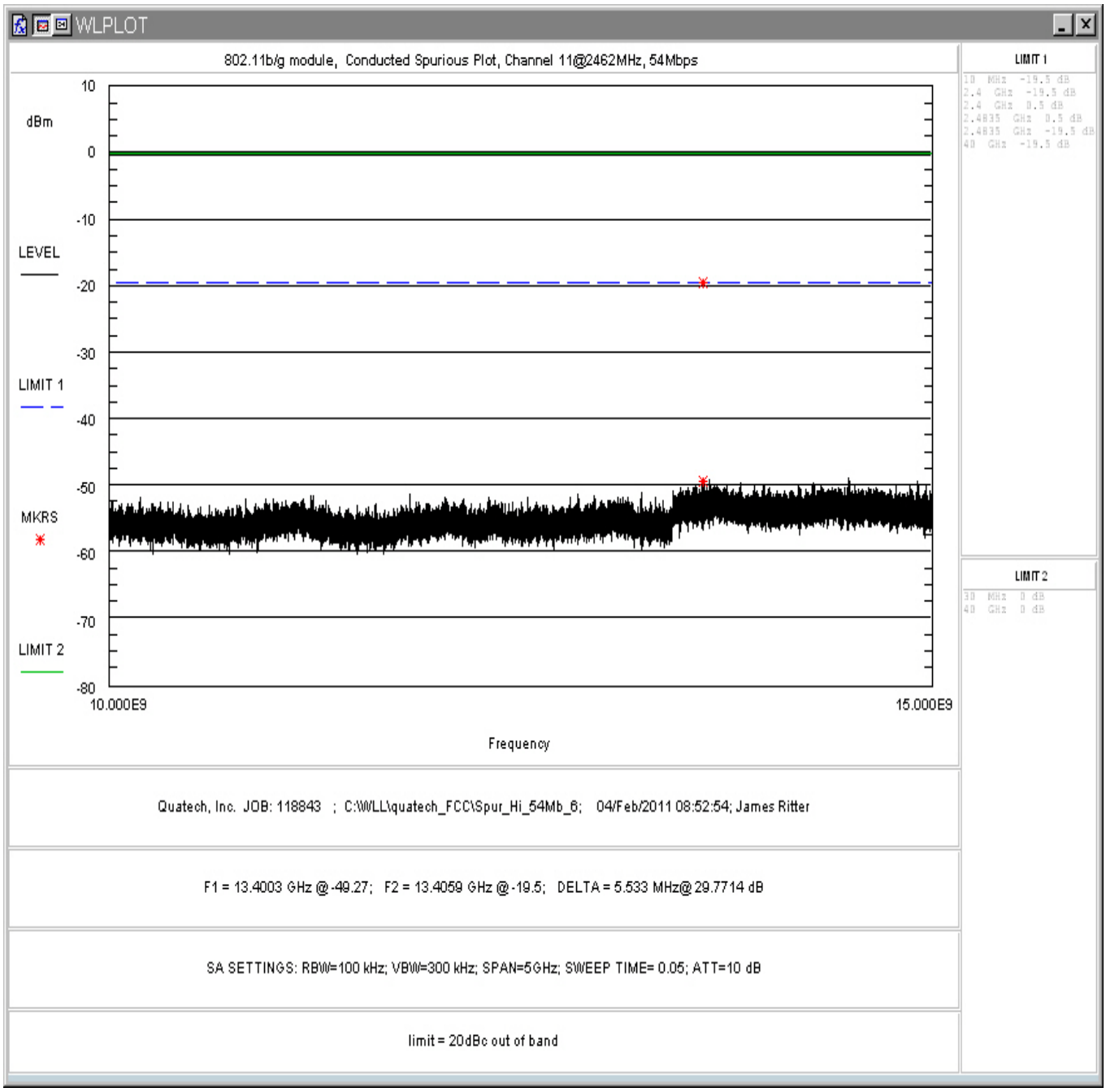

Figure 70: Conducted Spurious Emissions, Channel 11, 54Mbps, 10-15GHz

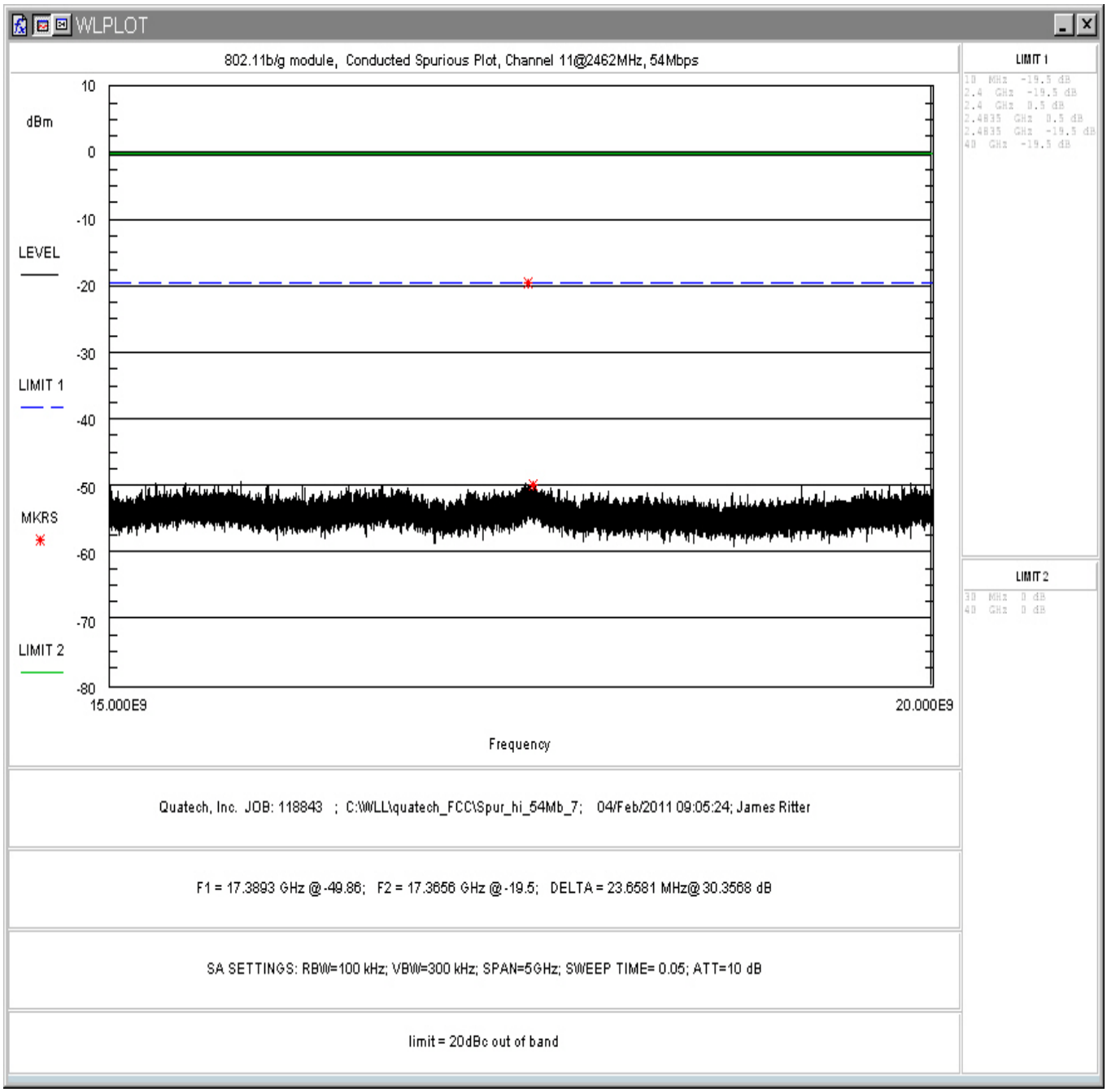

Figure 71: Conducted Spurious Emissions, Channel 11, 54Mbps, 15-20GHz

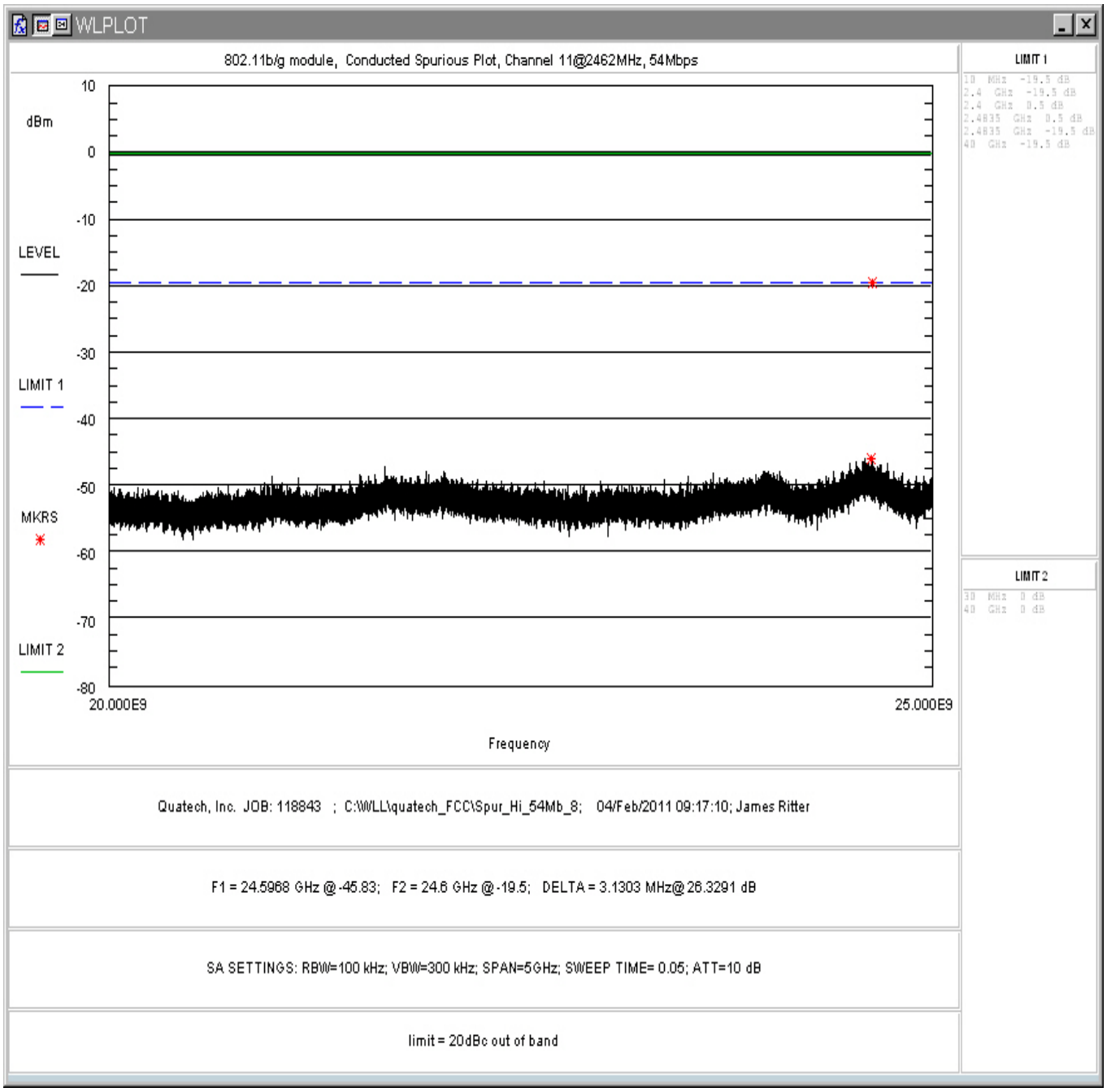

Figure 72: Conducted Spurious Emissions, Channel 11, 54Mbps, 20-25 GHz

3.5.1 Band Edge Compliance

Close-up plots of the upper and lower channels with respect to the nearest authorized band-edges are provided below. The tests were performed in the same manner as the above conducted spurious emissions tests

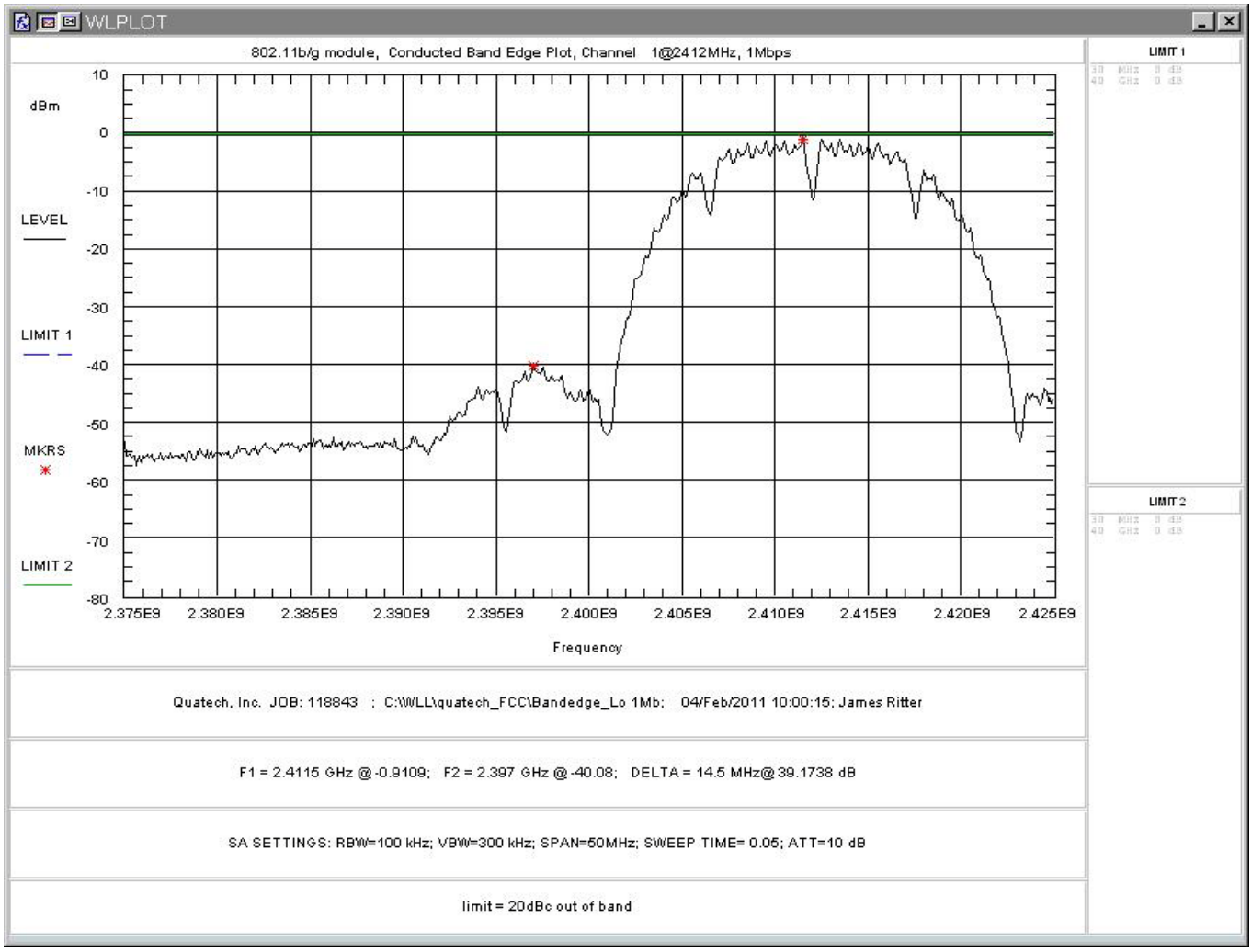

Figure 73: Lower Band-edge, Channel 1, 802.11b, 1Mbps

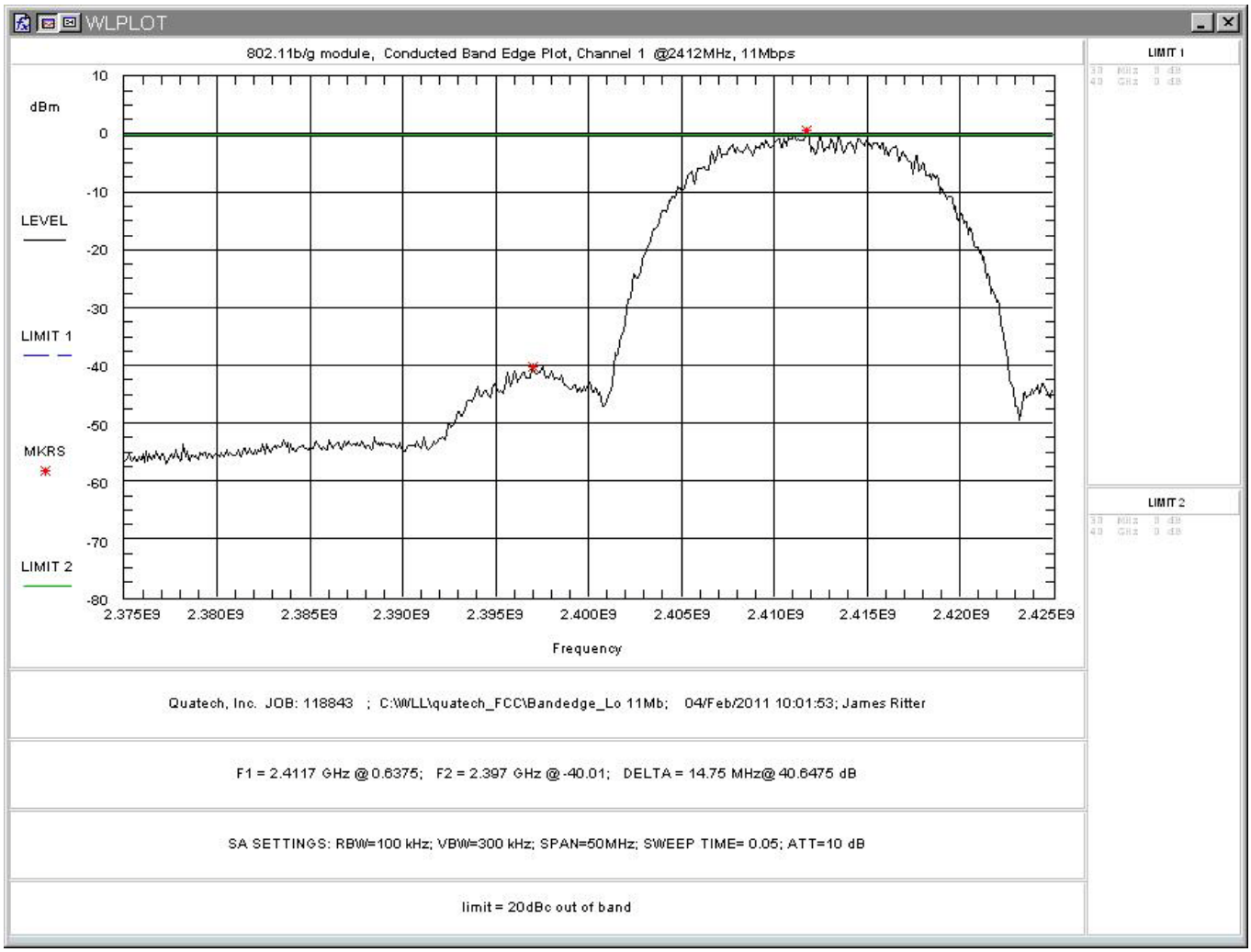

Figure 74: Lower Band-edge, Channel 1, 802.11b, 11Mbps

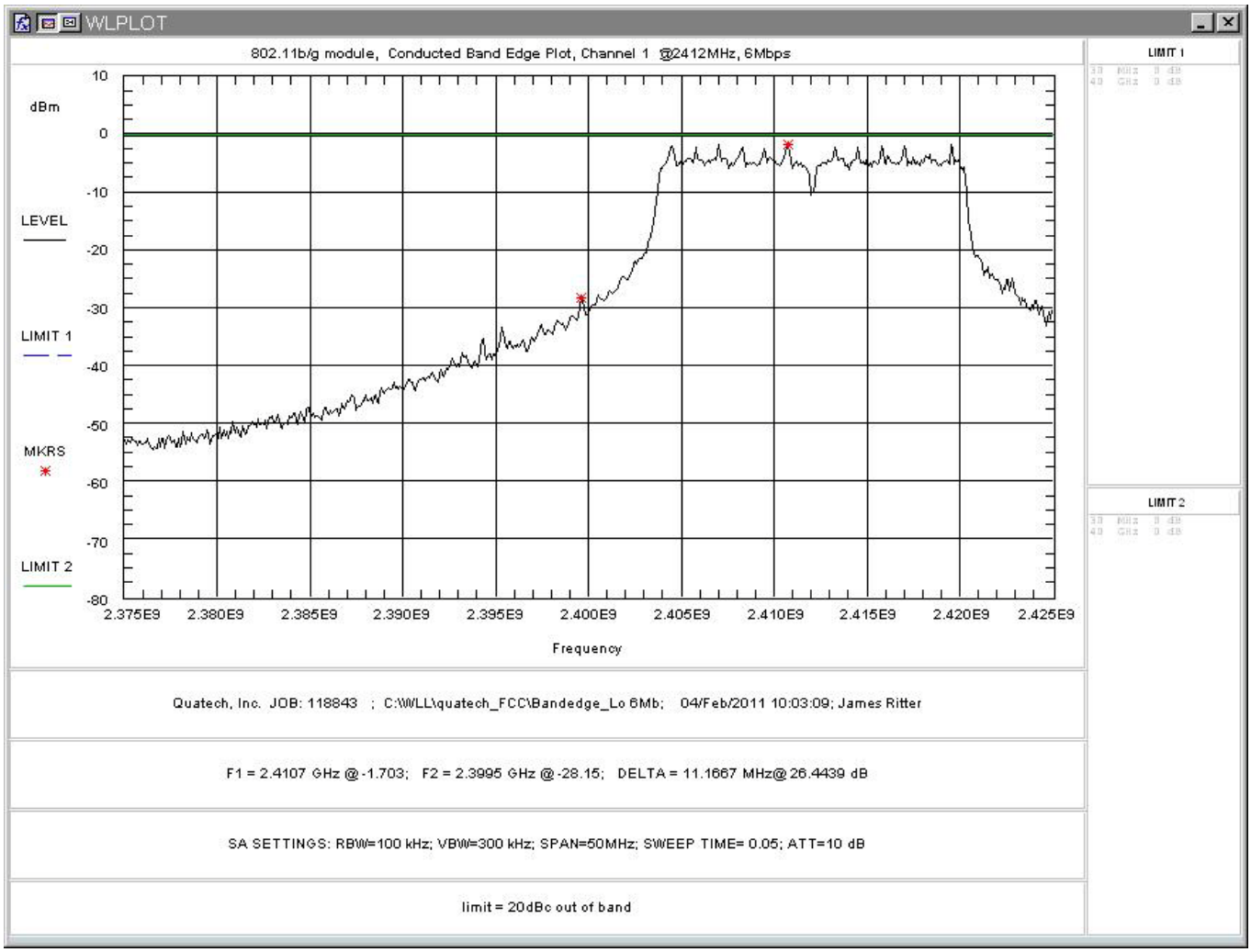

Figure 75: Lower Band-edge, Channel 1,802.11g, 6Mbps

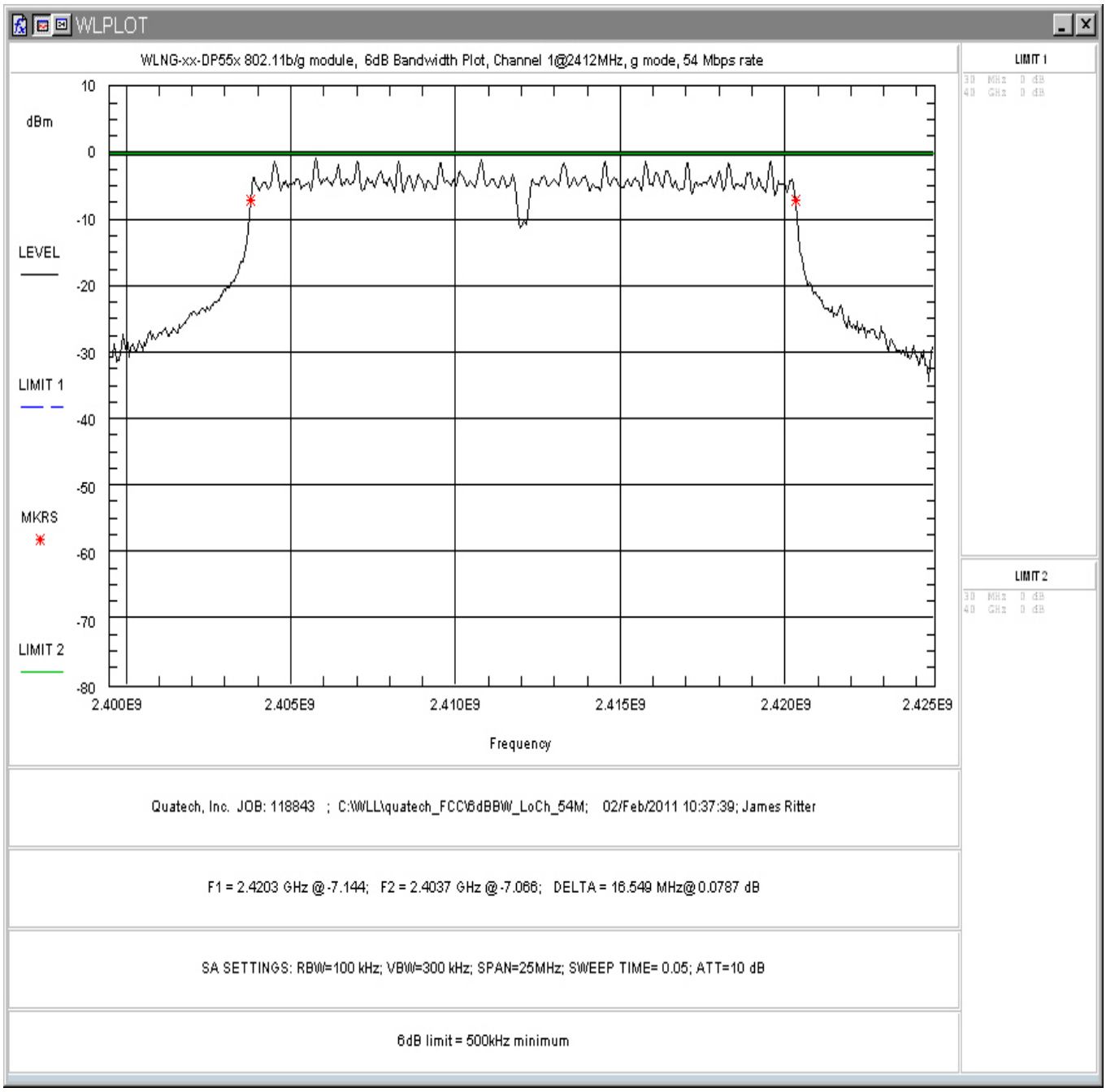

Figure 76: Lower Band-edge, Channel 1,802.11g, 54 Mbps

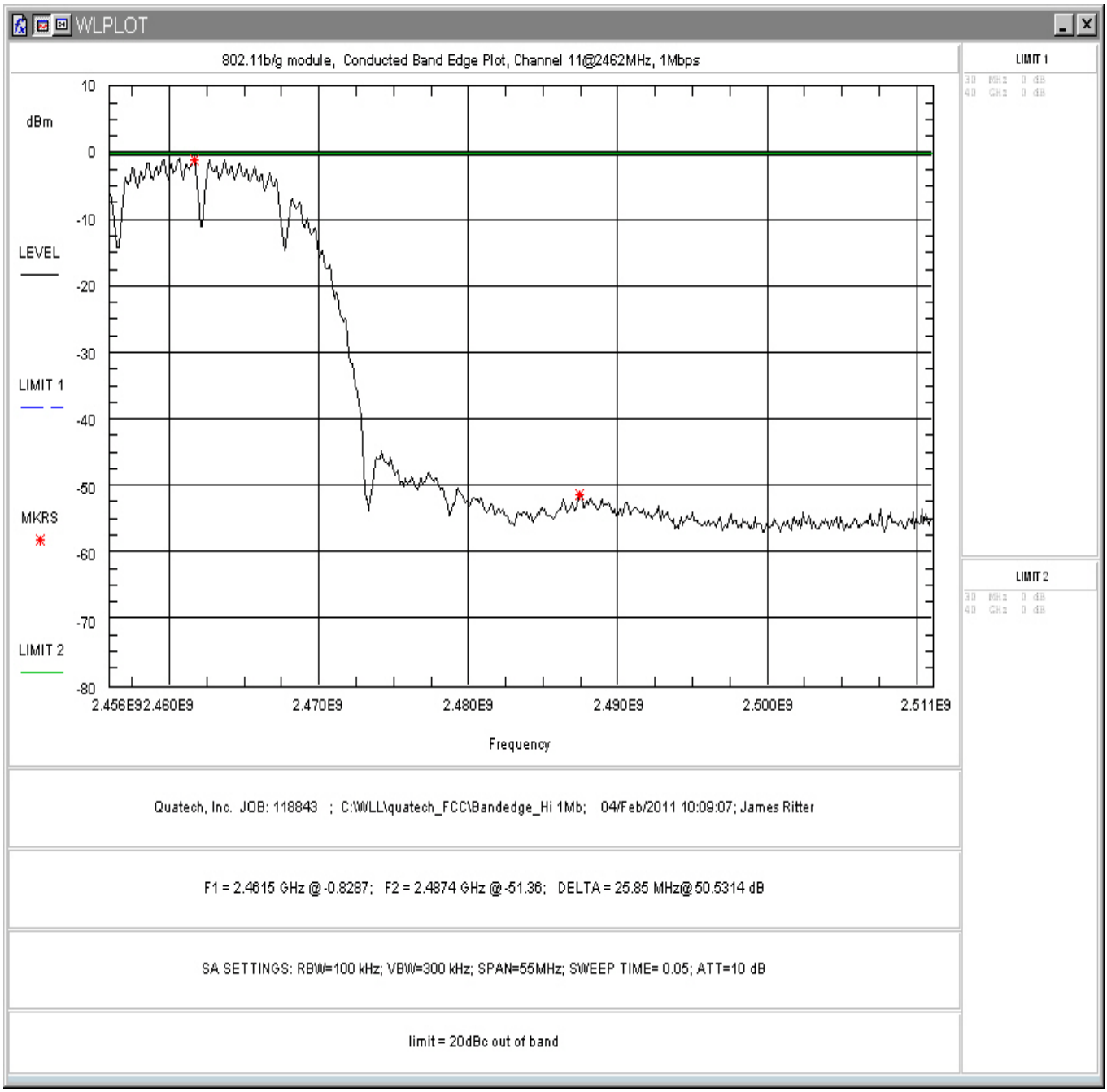

Figure 77: Upper Band-edge, Channel 11, 802.11b, 1Mbps

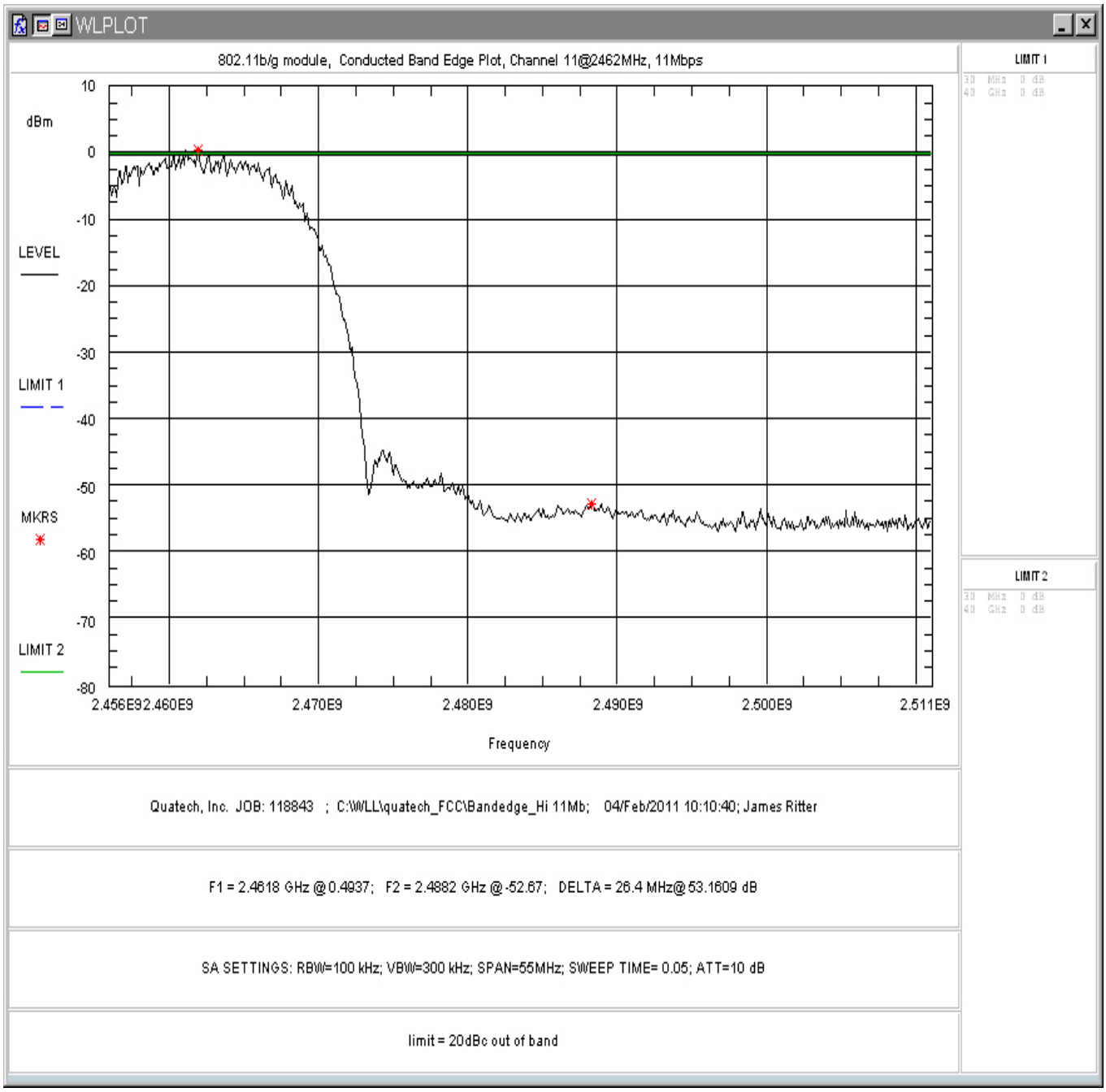

Figure 78: Upper Band-edge, Channel 11, 802.11b, 11Mbps

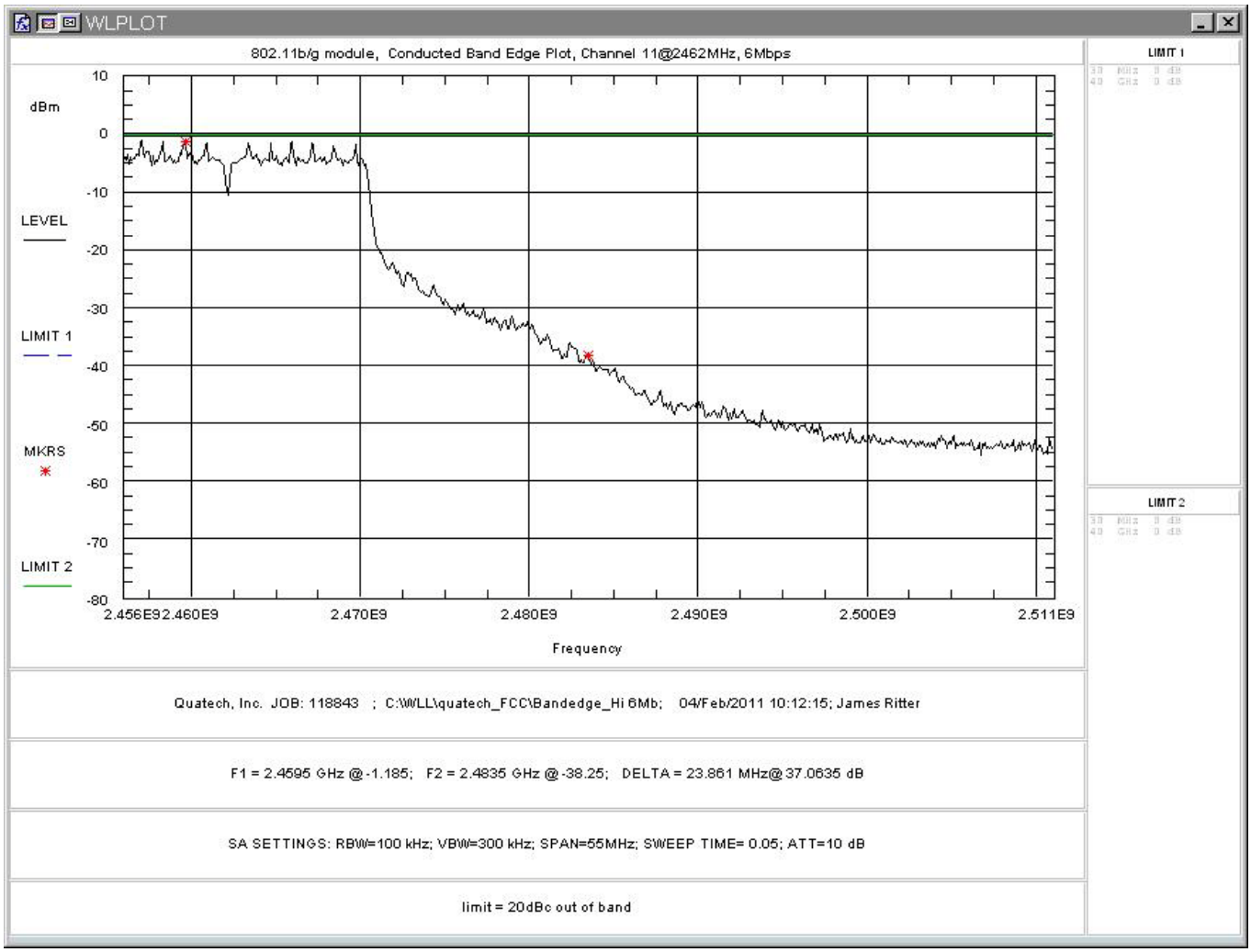

Figure 79: Upper Band-edge, Channel 11,802.11g, 6Mbps

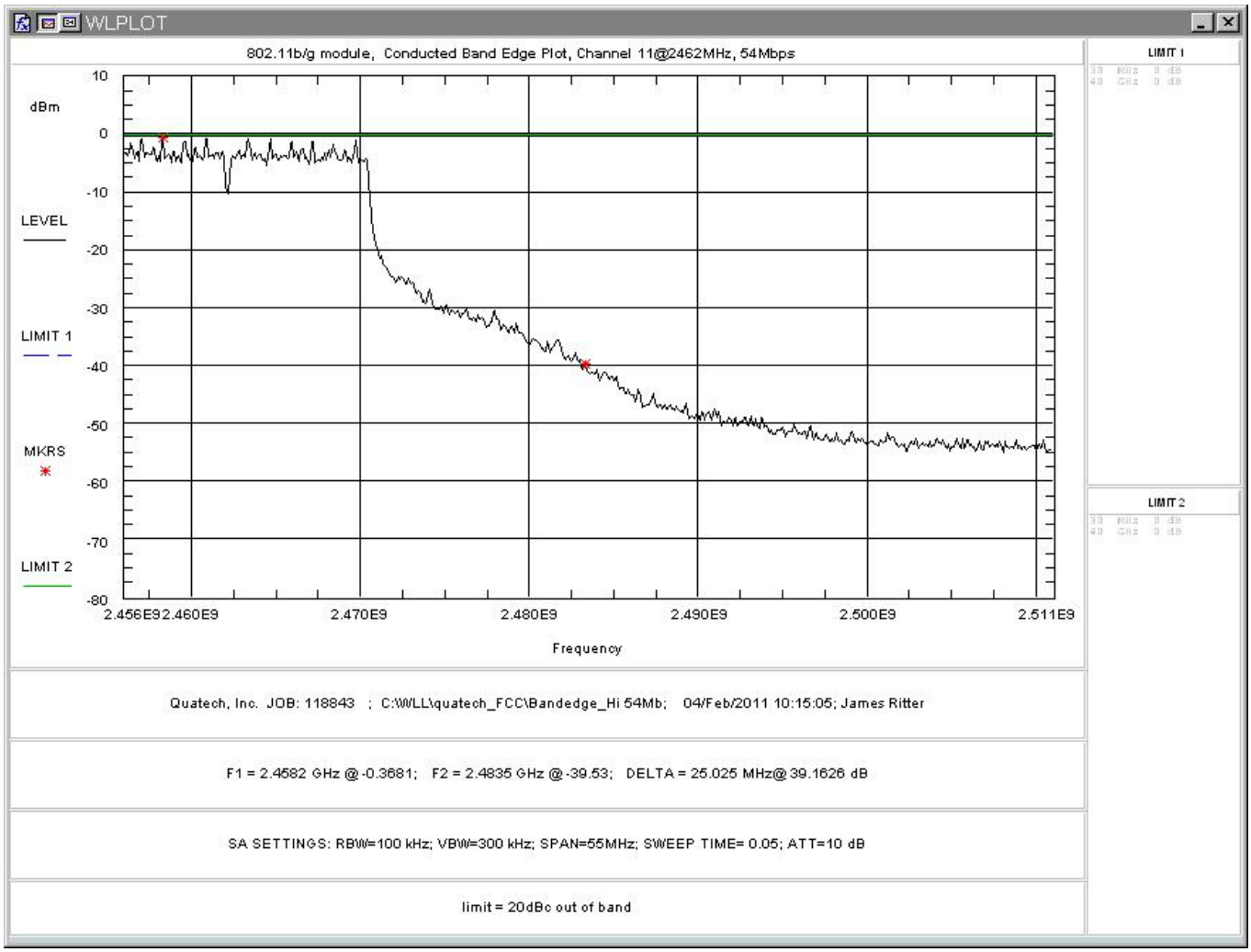

Figure 80: Upper Band-edge, Channel 11,802.11g, 54Mbps

3.6 AC Conducted Emissions (FCC Part §15.207)

3.6.1 Requirements

Test Arrangement: Table Top

Compliance Standard: FCC Class B

FCC Compliance Limits		
Frequency	**Quasi-peak**	**Average**
0.15 - 0.5MHz	66 to 56dBµV	56 to 46dBµV
0.5 - 5MHz	56dBµV	46dBµV
5 - 30MHz	60dBµV	50dBµV

3.6.2 Test Procedure

The EUT was placed on an 80 cm high 1 X 1.5 m non-conductive table above a ground plane. Power to the EUT was provided through a Solar Corporation 50 Ω/50 µH Line Impedance Stabilization Network bonded to a 3 X 2 meter ground plane. The LISN has its AC input supplied from a filtered AC power source. Power was supplied to the peripherals through a second LISN. The peripherals were placed on the table in accordance with ANSI C63.4-2003. Power and data cables were moved about to obtain maximum emissions.

The 50 Ω output of the LISN was connected to the input of the spectrum analyzer and the emissions in the frequency range of 150 kHz to 30 MHz were measured. The detector function was set to quasi-peak, peak, or average as appropriate, and the resolution bandwidth during testing was at least 9 kHz, with all post-detector filtering no less than 10 times the resolution bandwidth. For average measurements the post-detector filter was set to 10 Hz.

At frequencies where quasi-peak or peak measurements comply with the average limit, no average measurements need be performed.

At frequencies where quasi-peak or peak measurements comply with the average limit, no average measurements need be performed. The Conducted emissions level to be compared to the FCC limit is calculated as shown in the following example.

Example:

Spectrum Analyzer Voltage: VdBµV

LISN Correction Factor: LISN dB

Cable Correction Factor: CF dB

Electric Field: EdBµV = V dBµV + LISN dB + CF dB

3.6.3 Test Data

The EUT complied with the Class B Conducted Emissions requirements. The module was provided power via a support motherboard from a 120VDC to 5VDC switching adaptor (model DP15-0503000A4). Table 8 provides the test results for phase and neutral line power line conducted emissions.

Table 8: Conducted Emissions Data 120VAC, Transmit On

NEUTRAL

Frequency (MHz)	Level QP (dBµV)	Level AVG (dBµV)	Cable Loss (dB)	LISN Corr (dB)	Level QP Corr (dBµV)	Level Corr Avg (dBµV)	Limit QP (dBµV)	Limit AVG (dBµV)	Margin QP (dB)	Margin AVG (dB)
0.187	39.8	19.3	10.3	0.5	50.5	30.0	64.2	54.2	-13.6	-24.1
0.422	27.4	14.1	10.2	0.4	38.0	24.7	57.4	47.4	-19.4	-22.7
13.486	25.7	15.6	11.2	1.1	38.0	27.9	60.0	50.0	-22.0	-22.1
22.890	28.1	17.8	11.6	2.2	41.9	31.6	60.0	50.0	-18.1	-18.4
23.130	30.3	22.2	11.6	2.2	44.1	36.0	60.0	50.0	-15.9	-14.0
29.330	29.1	13.9	12.0	3.1	44.1	28.9	60.0	50.0	-15.9	-12.1

PHASE

Frequency (MHz)	Level QP (dBµV)	Level AVG (dBµV)	Cable Loss (dB)	LISN Corr (dB)	Level QP Corr (dBµV)	Level Corr Avg (dBµV)	Limit QP (dBµV)	Limit AVG (dBµV)	Margin QP (dB)	Margin AVG (dB)
0.188	42.3	21.1	10.3	0.8	53.4	32.2	64.1	54.1	-10.7	-21.9
0.426	27.2	15.1	10.2	0.5	37.9	25.8	57.3	47.3	-19.5	-21.6
12.900	19.9	12.9	11.2	1.0	32.1	25.1	60.0	50.0	-27.9	-24.9
16.240	25.6	17.3	11.4	1.4	38.3	30.0	60.0	50.0	-21.7	-20.0
23.190	27.9	17.0	11.6	2.3	41.8	30.9	60.0	50.0	-18.2	-19.1
29.235	29.3	21.2	12.0	3.2	44.5	36.4	60.0	50.0	-15.5	-13.6

3.7 Radiated Spurious Emissions: (FCC Part §15.205 & §15.209)

The EUT must comply with the requirements for radiated spurious emissions that fall within the restricted bands. These emissions must meet the limits specified in §15.209 and §15.35(b) for peak measurements.

3.7.1 Test Procedure

The EUT was placed on motorized turntable for radiated testing on a 3-meter open field test site. The emissions from the EUT were measured continuously at every azimuth by rotating the turntable. Receiving antennas were mounted on an antenna mast to determine the height of maximum emissions. The height of the antenna was varied between 1 and 4 meters. The peripherals were placed on the table in accordance with ANSI C63.4-2003. Cables were varied in position to produce maximum emissions. Both the horizontal and vertical field components were measured.

The unit was pre-scanned in 3 orthogonal positions with full testing performed in the worst case position.

The emissions were measured using the following resolution bandwidths:

Table 9: Spectrum Analyzer Settings

Frequency Range	Resolution Bandwidth	Video Bandwidth
30MHz-1000 MHz	120kHz	>100 kHz
>1000 MHz	1 MHz	10 Hz (Avg.), 1MHz (Peak)

Worst case emissions are presented.

The following data shows the EUT with the highest gain of each antenna type. The unit was tested in 3 orthogonal positions with the worst case data presented.

Testing was performed in the 802.11b 11Mbps mode with the exception of the restricted band edges closed to the in-band signal which was tested in both the 802.11 b and g mode with the worst case shown.

Table 10: Radiated Emission Test Data, Low Channel (Restricted Bands)

TX channel 1 @ 2412MHz, Quatech ACH2-AT-DP003 antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	180.00	1.00	16.20	10.5	21.6	100.0	-13.3	
108.77	V	180.00	1.00	13.60	14.0	23.9	150.0	-15.9	
149.99	V	165.00	1.00	15.40	14.3	30.6	150.0	-13.8	
249.99	V	90.00	1.65	21.80	13.8	60.5	200.0	-10.4	
263.97	V	180.00	1.50	13.20	15.4	27.1	200.0	-17.4	
323.05	V	270.00	1.00	14.40	17.4	39.1	200.0	-14.2	
999.98	V	135.00	1.57	7.30	33.1	105.3	500.0	-13.5	
2390.00	V	270.00	2.27	47.17	-4.7	133.6	5000.0	-31.5	Band Edge
2390.00	V	270.00	2.27	36.33	-4.7	38.3	500.0	-22.3	Band Edge
1056.05	V	180.00	1.97	53.67	-11.8	124.7	5000.0	-32.1	Peak
1056.05	V	180.00	1.97	47.83	-11.8	63.7	500.0	-17.9	Average
1188.07	V	190.00	1.85	57.17	-11.1	201.2	5000.0	-27.9	Peak
1188.07	V	190.00	1.85	50.83	-11.1	96.9	500.0	-14.2	Average
1320.70	V	190.00	1.90	54.00	-10.7	146.0	5000.0	-30.7	Peak
1320.70	V	190.00	1.90	50.00	-10.7	92.1	500.0	-14.7	Average
1452.05	V	315.00	1.98	50.83	-10.2	107.0	5000.0	-33.4	Peak
1452.05	V	315.00	1.98	47.00	-10.2	68.8	500.0	-17.2	Average
1584.00	V	50.00	1.95	51.67	-9.4	130.4	5000.0	-31.7	Peak
1584.00	V	50.00	1.95	48.83	-9.4	94.0	500.0	-14.5	Average
4824.00	V	180.00	1.44	58.17	1.9	1009.9	5000.0	-13.9	Peak
4824.00	V	180.00	1.44	45.50	1.9	234.8	500.0	-6.6	Average
7236.00	V	180.00	1.44	48.67	6.6	579.9	5000.0	-18.7	Peak
7236.00	V	180.00	1.44	37.17	6.6	154.3	500.0	-10.2	Average
9648.00	V	180.00	1.44	48.33	9.5	777.5	5000.0	-16.2	Peak
9648.00	V	180.00	1.44	36.67	9.5	203.1	500.0	-7.8	Average
12060.00	V	180.00	1.44	49.67	13.5	1447.2	5000.0	-10.8	Peak
12060.00	V	180.00	1.44	37.83	13.5	370.3	500.0	-2.6	Average
73.18	H	0.00	4.00	7.60	10.5	8.0	100.0	-21.9	

108.79	H	180.00	4.00	11.00	14.0	17.8	150.0	-18.5	
149.97	H	0.00	3.00	10.80	14.3	18.0	150.0	-18.4	
249.97	H	180.00	1.37	27.10	13.8	111.4	200.0	-5.1	
263.97	H	180.00	1.34	23.50	15.4	88.6	200.0	-7.1	
323.02	H	270.00	1.00	14.10	17.4	37.8	200.0	-14.5	
999.98	H	90.00	1.00	7.30	33.1	105.3	500.0	-13.5	
2390.00	H	90.00	2.44	47.67	-4.7	141.5	5000.0	-31.0	Band Edge
2390.00	H	90.00	2.44	35.83	-4.7	36.2	500.0	-22.8	Band Edge
1056.05	H	300.00	1.28	56.83	-11.8	179.4	5000.0	-28.9	Peak
1056.05	H	300.00	1.28	50.83	-11.8	89.9	500.0	-14.9	Average
1188.07	H	300.00	2.82	54.67	-11.1	150.8	5000.0	-30.4	Peak
1188.07	H	300.00	2.82	50.67	-11.1	95.2	500.0	-14.4	Average
1320.70	H	100.00	2.96	56.00	-10.7	183.8	5000.0	-28.7	Peak
1320.70	H	100.00	2.96	52.83	-10.7	127.6	500.0	-11.9	Average
1452.05	H	195.00	3.10	52.67	-10.2	132.2	5000.0	-31.6	Peak
1452.05	H	195.00	3.10	45.67	-10.2	59.1	500.0	-18.6	Average
1584.00	H	180.00	2.21	50.50	-9.4	114.0	5000.0	-32.8	Peak
1584.00	H	180.00	2.21	46.33	-9.4	70.5	500.0	-17.0	Average
4824.00	H	315.00	1.43	46.00	1.9	248.8	5000.0	-26.1	Peak
4824.00	H	315.00	1.43	34.17	1.9	63.7	500.0	-17.9	Average
7236.00	H	315.00	1.43	47.83	6.6	526.5	5000.0	-19.6	Peak
7236.00	H	315.00	1.43	36.83	6.6	148.4	500.0	-10.6	Average
9648.00	H	315.00	1.43	48.17	9.5	763.3	5000.0	-16.3	Peak
9648.00	H	315.00	1.43	36.67	9.5	203.1	500.0	-7.8	Average
12060.00	H	315.00	1.43	50.00	13.5	1503.2	5000.0	-10.4	Peak
12060.00	H	315.00	1.43	37.83	13.5	370.3	500.0	-2.6	Average

Table 11: Radiated Emission Test Data, Center Channel (Restricted Bands)

TX Channel 6 @ 2437MHz, Quatech ACH2-AT-DP003 antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	215.00	1.00	16.30	10.5	21.9	100.0	-13.2	
108.77	V	315.00	1.00	18.70	14.0	43.1	150.0	-10.8	
149.99	V	135.00	1.00	17.10	14.3	37.2	150.0	-12.1	
249.99	V	45.00	1.00	18.90	13.8	43.3	200.0	-13.3	
263.97	V	0.00	1.00	13.60	15.4	28.3	200.0	-17.0	
323.05	V	290.00	1.00	8.60	17.4	20.1	200.0	-20.0	
999.98	V	90.00	1.00	4.10	33.1	72.8	500.0	-16.7	
1056.05	V	55.00	3.33	58.50	-11.8	217.4	5000.0	-27.2	Peak
1056.05	V	55.00	3.33	50.00	-11.8	81.7	500.0	-15.7	Average
1188.07	V	180.00	2.42	54.00	-11.1	139.7	5000.0	-31.1	Peak
1188.07	V	180.00	2.42	49.17	-11.1	80.1	500.0	-15.9	Average
1320.70	V	15.00	3.30	57.17	-10.7	210.3	5000.0	-27.5	Peak
1320.70	V	15.00	3.30	54.50	-10.7	154.7	500.0	-10.2	Average
1452.05	V	200.00	2.37	54.17	-10.2	157.1	5000.0	-30.1	Peak
1452.05	V	200.00	2.37	49.50	-10.2	91.8	500.0	-14.7	Average
1584.00	V	180.00	2.51	53.00	-9.4	152.0	5000.0	-30.3	Peak
1584.00	V	180.00	2.51	47.83	-9.4	83.8	500.0	-15.5	Average
4874.00	V	180.00	1.44	63.33	2.3	1907.0	5000.0	-8.4	Peak
4874.00	V	180.00	1.44	50.50	2.3	435.4	500.0	-1.2	Average
7311.00	V	180.00	1.44	49.83	6.7	673.8	5000.0	-17.4	Peak
7311.00	V	180.00	1.44	38.17	6.7	176.0	500.0	-9.1	Average
9748.00	V	180.00	1.44	47.67	10.4	797.1	5000.0	-15.9	Peak
9748.00	V	180.00	1.44	36.67	10.4	224.7	500.0	-6.9	Average
12185.00	V	180.00	1.44	49.83	14.4	1621.5	5000.0	-9.8	Peak
12185.00	V	180.00	1.44	38.00	14.4	415.3	500.0	-1.6	Average
73.18	H	0.00	4.00	14.30	10.5	17.4	100.0	-15.2	
108.79	H	190.00	4.00	22.50	14.0	66.7	150.0	-7.0	
149.97	H	215.00	2.60	10.50	14.3	17.4	150.0	-18.7	

249.97	H	345.00	1.44	26.10	13.8	99.3	200.0	-6.1	
263.97	H	180.00	1.30	25.20	15.4	107.7	200.0	-5.4	
323.02	H	270.00	1.00	14.40	17.4	39.1	200.0	-14.2	
999.98	H	90.00	1.00	6.10	33.1	91.7	500.0	-14.7	
1056.05	H	90.00	2.00	59.33	-11.8	239.2	5000.0	-26.4	Peak
1056.05	H	90.00	2.00	51.00	-11.8	91.7	500.0	-14.7	Average
1188.07	H	280.00	2.00	53.33	-11.1	129.3	5000.0	-31.7	Peak
1188.07	H	280.00	2.00	48.50	-11.1	74.1	500.0	-16.6	Average
1320.70	H	100.00	2.17	57.50	-10.7	218.5	5000.0	-27.2	Peak
1320.70	H	100.00	2.17	55.50	-10.7	173.6	500.0	-9.2	Average
1452.05	H	45.00	2.47	52.83	-10.2	134.7	5000.0	-31.4	Peak
1452.05	H	45.00	2.47	47.00	-10.2	68.8	500.0	-17.2	Average
1584.00	H	180.00	2.14	52.67	-9.4	146.3	5000.0	-30.7	Peak
1584.00	H	180.00	2.14	47.17	-9.4	77.7	500.0	-16.2	Average
4874.00	H	180.00	1.46	47.67	2.3	314.3	5000.0	-24.0	Peak
4874.00	H	180.00	1.46	35.17	2.3	74.5	500.0	-16.5	Average
7311.00	H	180.00	1.46	48.17	6.7	556.6	5000.0	-19.1	Peak
7311.00	H	180.00	1.46	36.50	6.7	145.2	500.0	-10.7	Average
9748.00	H	180.00	1.46	48.00	10.4	828.0	5000.0	-15.6	Peak
9748.00	H	180.00	1.46	36.17	10.4	212.1	500.0	-7.4	Average
12185.00	H	180.00	1.46	50.67	14.4	1786.1	5000.0	-8.9	Peak
12185.00	H	180.00	1.46	37.50	14.4	392.1	500.0	-2.1	Average

Table 12: Radiated Emission Test Data, High Channel (Restricted Bands)

TX Channel 11 @2462MHz, Quatech ACH2-AT-DP003 antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	270.00	1.00	16.70	10.5	22.9	100.0	-12.8	
108.77	V	0.00	1.00	17.60	14.0	37.9	150.0	-11.9	
149.99	V	90.00	1.00	15.40	14.3	30.6	150.0	-13.8	
249.99	V	135.00	2.00	20.00	13.8	49.2	200.0	-12.2	
263.97	V	180.00	2.10	14.70	15.4	32.2	200.0	-15.9	
323.05	V	350.00	1.79	19.00	17.4	66.4	200.0	-9.6	
999.98	V	0.00	1.94	4.50	33.1	76.3	500.0	-16.3	
2483.50	V	270.00	2.27	47.83	-4.6	144.7	5000.0	-30.8	Band Edge
2483.50	V	270.00	2.27	35.50	-4.6	35.0	500.0	-23.1	Band Edge
1056.05	V	335.00	2.23	56.00	-11.8	163.0	5000.0	-29.7	Peak
1056.05	V	335.00	2.23	47.00	-11.8	57.8	500.0	-18.7	Average
1188.07	V	135.00	2.29	52.83	-11.1	122.1	5000.0	-32.2	Peak
1188.07	V	135.00	2.29	47.67	-11.1	67.4	500.0	-17.4	Average
1320.70	V	135.00	2.28	60.33	-10.7	302.6	5000.0	-24.4	Peak
1320.70	V	135.00	2.28	53.00	-10.7	130.1	500.0	-11.7	Average
1452.05	V	180.00	2.22	53.83	-10.2	151.1	5000.0	-30.4	Peak
1452.05	V	180.00	2.22	47.50	-10.2	72.9	500.0	-16.7	Average
1584.00	V	215.00	2.23	53.17	-9.4	155.0	5000.0	-30.2	Peak
1584.00	V	215.00	2.23	48.17	-9.4	87.2	500.0	-15.2	Average
4924.00	V	180.00	1.38	62.17	2.7	1760.5	5000.0	-9.1	Peak
4924.00	V	180.00	1.38	47.83	2.7	337.8	500.0	-3.4	Average
7386.00	V	180.00	1.38	49.17	6.8	627.9	5000.0	-18.0	Peak
7386.00	V	180.00	1.38	37.33	6.8	160.6	500.0	-9.9	Average
9848.00	V	180.00	1.38	47.67	11.7	934.3	5000.0	-14.6	Peak
9848.00	V	180.00	1.38	36.67	11.7	263.3	500.0	-5.6	Average
12310.00	V	180.00	1.38	49.67	15.0	1703.1	5000.0	-9.4	Peak
12310.00	V	180.00	1.38	37.83	15.0	435.7	500.0	-1.2	Noise floor
73.18	H	180.00	3.10	16.60	10.5	22.6	100.0	-12.9	

108.79	H	210.00	2.76	21.10	14.0	56.8	150.0	-8.4	
149.97	H	190.00	2.50	11.60	14.3	19.8	150.0	-17.6	
249.97	H	180.00	1.40	26.70	13.8	106.3	200.0	-5.5	
263.97	H	180.00	1.30	25.50	15.4	111.5	200.0	-5.1	
323.02	H	270.00	1.00	17.30	17.4	54.6	200.0	-11.3	
999.98	H	90.00	1.63	5.20	33.1	82.7	500.0	-15.6	
2483.50	H	90.00	2.44	48.67	-4.6	159.4	5000.0	-29.9	Band Edge
2483.50	H	90.00	2.44	36.17	-4.6	37.8	500.0	-22.4	Band Edge
1056.05	H	190.00	2.32	57.00	-11.8	182.9	5000.0	-28.7	Peak
1056.05	H	190.00	2.32	49.00	-11.8	72.8	500.0	-16.7	Average
1188.07	H	90.00	2.62	55.17	-11.1	159.8	5000.0	-29.9	Peak
1188.07	H	90.00	2.62	51.00	-11.1	98.9	500.0	-14.1	Average
1320.70	H	45.00	2.67	54.67	-10.7	157.7	5000.0	-30.0	Peak
1320.70	H	45.00	2.67	51.50	-10.7	109.5	500.0	-13.2	Average
1452.05	H	90.00	2.84	53.50	-10.2	145.5	5000.0	-30.7	Peak
1452.05	H	90.00	2.84	47.83	-10.2	75.7	500.0	-16.4	Average
1584.00	H	180.00	2.50	53.00	-9.4	152.0	5000.0	-30.3	Peak
1584.00	H	180.00	2.50	46.67	-9.4	73.3	500.0	-16.7	Average
4924.00	H	315.00	1.36	45.50	2.7	258.3	5000.0	-25.7	Peak
4924.00	H	315.00	1.36	31.83	2.7	53.5	500.0	-19.4	Average
7386.00	H	315.00	1.36	47.67	6.8	528.3	5000.0	-19.5	Peak
7386.00	H	315.00	1.36	36.83	6.8	151.7	500.0	-10.4	Average
9848.00	H	315.00	1.36	47.50	11.7	916.2	5000.0	-14.7	Peak
9848.00	H	315.00	1.36	36.67	11.7	263.3	500.0	-5.6	Average
12310.00	H	315.00	1.36	49.17	15.0	1607.8	5000.0	-9.9	Peak
12310.00	H	315.00	1.36	37.67	15.0	427.8	500.0	-1.4	Noise floor

Table 13: Radiated Emission Test Data, Low Channel (Restricted Bands)

TX channel 1 @ 2412MHz, Taoglas FXP.830.07.0100C antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	270.00	1.00	15.30	10.5	19.5	100.0	-14.2	
108.77	V	0.00	1.00	17.80	14.0	38.8	150.0	-11.7	
149.99	V	0.00	1.00	15.10	14.3	29.6	150.0	-14.1	
249.99	V	45.00	2.65	19.60	13.8	47.0	200.0	-12.6	
263.97	V	45.00	1.00	15.80	15.4	36.5	200.0	-14.8	
323.05	V	290.00	1.56	17.90	17.4	58.5	200.0	-10.7	
999.98	V	90.00	1.50	7.80	33.1	111.5	500.0	-13.0	
4824.00	V	180.00	1.44	55.33	1.9	728.2	5000.0	-16.7	Average
4824.00	V	180.00	1.44	43.67	1.9	190.2	500.0	-8.4	Peak
7236.00	V	180.00	1.44	45.17	6.6	387.6	5000.0	-22.2	Average
7236.00	V	180.00	1.44	34.67	6.6	115.7	500.0	-12.7	Peak
9648.00	V	180.00	1.44	45.17	9.5	540.4	5000.0	-19.3	Average
9648.00	V	180.00	1.44	33.83	9.5	146.5	500.0	-10.7	Peak
12060.00	V	180.00	1.44	46.17	13.5	967.2	5000.0	-14.3	Average
12060.00	V	180.00	1.44	34.33	13.5	247.5	500.0	-6.1	Peak
73.18	H	180.00	4.00	16.10	10.5	21.4	100.0	-13.4	
108.79	H	195.00	4.00	21.20	14.0	57.4	150.0	-8.3	
149.97	H	215.00	2.35	11.40	14.3	19.3	150.0	-17.8	
249.97	H	180.00	1.40	28.80	13.8	135.4	200.0	-3.4	
263.97	H	180.00	1.00	25.80	15.4	115.4	200.0	-4.8	
323.02	H	270.00	1.00	15.20	17.4	42.9	200.0	-13.4	
999.98	H	45.00	1.00	6.80	33.1	99.4	500.0	-14.0	
4824.00	H	180.00	1.44	43.83	1.9	193.8	5000.0	-28.2	Average
4824.00	H	180.00	1.44	32.67	1.9	53.6	500.0	-19.4	Peak
7236.00	H	180.00	1.44	44.83	6.6	372.7	5000.0	-22.6	Average
7236.00	H	180.00	1.44	34.33	6.6	111.3	500.0	-13.1	Peak
9648.00	H	180.00	1.44	45.17	9.5	540.4	5000.0	-19.3	Average
9648.00	H	180.00	1.44	34.17	9.5	152.3	500.0	-10.3	Peak

12060.00	H	180.00	1.44	47.67	13.5	1149.5	5000.0	-12.8	Average
12060.00	H	180.00	1.44	34.33	13.5	247.5	500.0	-6.1	Peak

Table 14: Radiated Emission Test Data, Center Channel (Restricted Bands)

TX Channel 6 @ 2437MHz, Taoglas FXP.830.07.0100C antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	195.00	1.00	13.20	10.5	15.3	100.0	-16.3	
108.77	V	45.00	1.00	9.50	14.0	14.9	150.0	-20.0	
149.99	V	135.00	1.00	17.90	14.3	40.8	150.0	-11.3	
249.99	V	180.00	1.00	15.80	13.8	30.3	200.0	-16.4	
263.97	V	45.00	1.00	15.60	15.4	35.7	200.0	-15.0	
323.05	V	315.00	1.60	13.90	17.4	36.9	200.0	-14.7	
999.98	V	135.00	1.60	8.30	33.1	118.1	500.0	-12.5	
4874.00	V	180.00	1.44	61.83	2.3	1604.5	5000.0	-9.9	Average
4874.00	V	180.00	1.44	49.17	2.3	373.5	500.0	-2.5	Peak
7311.00	V	180.00	1.44	48.17	6.7	556.6	5000.0	-19.1	Average
7311.00	V	180.00	1.44	36.67	6.7	148.1	500.0	-10.6	Peak
9748.00	V	180.00	1.44	45.17	10.4	597.7	5000.0	-18.4	Average
9748.00	V	180.00	1.44	33.00	10.4	147.2	500.0	-10.6	Peak
12185.00	V	180.00	1.44	42.67	14.4	711.1	5000.0	-16.9	Average
12185.00	V	180.00	1.44	36.83	14.4	363.0	500.0	-2.8	Peak
73.18	H	180.00	4.00	16.00	10.5	21.1	100.0	-13.5	
108.79	H	215.00	2.90	24.40	14.0	83.0	150.0	-5.1	
149.97	H	215.00	2.32	11.70	14.3	20.0	150.0	-17.5	
249.97	H	180.00	1.30	29.10	13.8	140.2	200.0	-3.1	
263.97	H	180.00	1.20	15.20	15.4	34.1	200.0	-15.4	
323.02	H	270.00	1.00	16.30	17.4	48.7	200.0	-12.3	
999.98	H	45.00	1.00	7.80	33.1	111.5	500.0	-13.0	
4874.00	H	180.00	1.46	45.67	2.3	249.7	5000.0	-26.0	Average
4874.00	H	180.00	1.46	31.67	2.3	49.8	500.0	-20.0	Peak

7311.00	H	180.00	1.46	47.33	6.7	505.3	5000.0	-19.9	Average
7311.00	H	180.00	1.46	34.17	6.7	111.1	500.0	-13.1	Peak
9748.00	H	180.00	1.46	47.17	10.4	752.5	5000.0	-16.4	Average
9748.00	H	180.00	1.46	32.67	10.4	141.7	500.0	-10.9	Peak
12185.00	H	180.00	1.46	48.83	14.4	1445.1	5000.0	-10.8	Average
12185.00	H	180.00	1.46	36.17	14.4	336.4	500.0	-3.4	Peak

Table 15: Radiated Emission Test Data, High Channel (Restricted Bands)

TX Channel 11 @2462MHz, Taoglas FXP.830.07.0100C antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	235.00	1.31	16.60	10.5	22.6	100.0	-12.9	
108.77	V	0.00	1.00	17.80	14.0	38.8	150.0	-11.7	
149.99	V	45.00	1.00	16.40	14.3	34.3	150.0	-12.8	
249.99	V	110.00	1.86	21.10	13.8	55.8	200.0	-11.1	
263.97	V	135.00	2.00	12.60	15.4	25.2	200.0	-18.0	
323.05	V	270.00	1.60	15.40	17.4	43.9	200.0	-13.2	
999.98	V	90.00	1.00	9.00	33.1	128.1	500.0	-11.8	
4924.00	V	180.00	1.38	60.17	2.7	1398.4	5000.0	-11.1	Average
4924.00	V	180.00	1.38	46.00	2.7	273.6	500.0	-5.2	Peak
7386.00	V	180.00	1.38	47.83	6.8	538.1	5000.0	-19.4	Average
7386.00	V	180.00	1.38	33.50	6.8	103.4	500.0	-13.7	Peak
9848.00	V	180.00	1.38	45.17	11.7	700.6	5000.0	-17.1	Average
9848.00	V	180.00	1.38	32.00	11.7	153.8	500.0	-10.2	Peak
12310.00	V	180.00	1.38	47.83	15.0	1377.9	5000.0	-11.2	Average
12310.00	V	180.00	1.38	35.67	15.0	339.8	500.0	-3.4	Peak
73.18	H	180.00	4.00	17.40	10.5	24.8	100.0	-12.1	
108.79	H	180.00	2.60	21.50	14.0	59.5	150.0	-8.0	
149.97	H	270.00	2.70	10.60	14.3	17.6	150.0	-18.6	
249.97	H	325.00	1.40	26.60	13.8	105.1	200.0	-5.6	
263.97	H	180.00	1.30	25.70	15.4	114.1	200.0	-4.9	

323.02	H	270.00	1.00	17.80	17.4	57.9	200.0	-10.8	
999.98	H	90.00	1.00	7.50	33.1	107.7	500.0	-13.3	
4924.00	H	315.00	1.36	42.33	2.7	179.3	5000.0	-28.9	Average
4924.00	H	315.00	1.36	30.17	2.7	44.2	500.0	-21.1	Peak
7386.00	H	315.00	1.36	46.17	6.8	444.5	5000.0	-21.0	Average
7386.00	H	315.00	1.36	32.67	6.8	93.9	500.0	-14.5	Peak
9848.00	H	315.00	1.36	45.83	11.7	755.9	5000.0	-16.4	Average
9848.00	H	315.00	1.36	34.17	11.7	197.5	500.0	-8.1	Peak
12310.00	H	315.00	1.36	45.83	15.0	1094.5	5000.0	-13.2	Average
12310.00	H	315.00	1.36	35.83	15.0	346.1	500.0	-3.2	Peak

Table 16: Radiated Emission Test Data, Low Channel (Restricted Bands)

TX channel 1 @ 2412MHz, Laird NanoBlade CAF94505 antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	215.00	1.00	16.30	10.5	21.9	100.0	-13.2	
108.77	V	315.00	1.00	18.70	14.0	43.1	150.0	-10.8	
149.99	V	135.00	1.00	17.10	14.3	37.2	150.0	-12.1	
249.99	V	45.00	1.00	18.90	13.8	43.3	200.0	-13.3	
263.97	V	0.00	1.00	13.60	15.4	28.3	200.0	-17.0	
323.05	V	290.00	1.00	8.60	17.4	20.1	200.0	-20.0	
999.98	V	90.00	1.00	4.10	33.1	72.8	500.0	-16.7	
4824.00	V	180.00	1.44	56.17	1.9	802.2	5000.0	-15.9	Peak
4824.00	V	180.00	1.44	44.33	1.9	205.2	500.0	-7.7	Average
7236.00	V	180.00	1.44	45.33	6.6	394.8	5000.0	-22.1	Peak
7236.00	V	180.00	1.44	34.83	6.6	117.9	500.0	-12.6	Average
9648.00	V	180.00	1.44	44.83	9.5	519.7	5000.0	-19.7	Peak
9648.00	V	180.00	1.44	31.17	9.5	107.8	500.0	-13.3	Average
12060.00	V	180.00	1.44	47.33	13.5	1105.4	5000.0	-13.1	Peak
12060.00	V	180.00	1.44	35.17	13.5	272.6	500.0	-5.3	Average
73.18	H	0.00	4.00	14.30	10.5	17.4	100.0	-15.2	

108.79	H	190.00	4.00	22.50	14.0	66.7	150.0	-7.0	
149.97	H	215.00	2.60	10.50	14.3	17.4	150.0	-18.7	
249.97	H	345.00	1.44	26.10	13.8	99.3	200.0	-6.1	
263.97	H	180.00	1.30	25.20	15.4	107.7	200.0	-5.4	
323.02	H	270.00	1.00	14.40	17.4	39.1	200.0	-14.2	
999.98	H	90.00	1.00	6.10	33.1	91.7	500.0	-14.7	
4824.00	H	180.00	1.44	44.17	1.9	201.5	5000.0	-27.9	Peak
4824.00	H	180.00	1.44	32.83	6.6	93.6	500.0	-14.6	Average
7236.00	H	180.00	1.44	43.67	6.6	326.1	5000.0	-23.7	Peak
7236.00	H	180.00	1.44	33.83	9.5	146.5	500.0	-10.7	Average
9648.00	H	180.00	1.44	46.00	9.5	594.6	5000.0	-18.5	Peak
9648.00	H	180.00	1.44	35.33	13.5	277.7	500.0	-5.1	Average
12060.00	H	180.00	1.44	46.83	13.5	1043.6	5000.0	-13.6	Peak
12060.00	H	180.00	1.44	34.17	13.5	243.0	500.0	-6.3	Average

Table 17: Radiated Emission Test Data, Center Channel (Restricted Bands)

TX Channel 6 @ 2437MHz, Laird NanoBlade CAF94505 antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	270.00	1.00	16.70	10.5	22.9	100.0	-12.8	
108.77	V	0.00	1.00	17.60	14.0	37.9	150.0	-11.9	
149.99	V	90.00	1.00	15.40	14.3	30.6	150.0	-13.8	
249.99	V	135.00	2.00	20.00	13.8	49.2	200.0	-12.2	
263.97	V	180.00	2.10	14.70	15.4	32.2	200.0	-15.9	
323.05	V	350.00	1.79	19.00	17.4	66.4	200.0	-9.6	
999.98	V	0.00	1.94	4.50	33.1	76.3	500.0	-16.3	
4874.00	V	180.00	1.44	61.67	1.9	1511.0	5000.0	-10.4	Peak
4874.00	V	180.00	1.44	48.83	1.9	344.6	500.0	-3.2	Average
7311.00	V	180.00	1.44	47.83	6.6	526.5	5000.0	-19.6	Peak
7311.00	V	180.00	1.44	36.33	6.6	140.1	500.0	-11.1	Average
9748.00	V	180.00	1.44	45.83	9.5	583.1	5000.0	-18.7	Peak
9748.00	V	180.00	1.44	33.83	9.5	146.5	500.0	-10.7	Average

12185.00	V	180.00	1.44	42.17	13.5	610.3	5000.0	-18.3	Peak
12185.00	V	180.00	1.44	36.33	13.5	311.5	500.0	-4.1	Average
73.18	H	180.00	3.10	16.60	10.5	22.6	100.0	-12.9	
108.79	H	210.00	2.76	21.10	14.0	56.8	150.0	-8.4	
149.97	H	190.00	2.50	11.60	14.3	19.8	150.0	-17.6	
249.97	H	180.00	1.40	26.70	13.8	106.3	200.0	-5.5	
263.97	H	180.00	1.30	25.50	15.4	111.5	200.0	-5.1	
323.02	H	270.00	1.00	17.30	17.4	54.6	200.0	-11.3	
999.98	H	90.00	1.63	5.20	33.1	82.7	500.0	-15.6	
4874.00	H	180.00	1.46	45.33	1.9	230.3	5000.0	-26.7	Peak
4874.00	H	180.00	1.46	31.17	6.6	77.3	500.0	-16.2	Average
7311.00	H	180.00	1.46	47.83	6.6	526.5	5000.0	-19.6	Peak
7311.00	H	180.00	1.46	34.67	9.5	161.3	500.0	-9.8	Average
9748.00	H	180.00	1.46	46.67	9.5	642.3	5000.0	-17.8	Peak
9748.00	H	180.00	1.46	31.83	13.5	185.6	500.0	-8.6	Average
12185.00	H	180.00	1.46	48.17	13.5	1217.6	5000.0	-12.3	Peak
12185.00	H	180.00	1.46	35.83	14.4	323.5	500.0	-3.8	Average

Table 18: Radiated Emission Test Data, High Channel (Restricted Bands)

TX Channel 11 @2462MHz, Laird NanoBlade CAF94505 antenna

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	270.00	1.00	16.70	10.5	22.9	100.0	-12.8	
108.77	V	0.00	1.00	17.60	14.0	37.9	150.0	-11.9	
149.99	V	90.00	1.00	15.40	14.3	30.6	150.0	-13.8	
249.99	V	135.00	2.00	20.00	13.8	49.2	200.0	-12.2	
263.97	V	180.00	2.10	14.70	15.4	32.2	200.0	-15.9	
323.05	V	350.00	1.79	19.00	17.4	66.4	200.0	-9.6	
999.98	V	0.00	1.94	4.50	33.1	76.3	500.0	-16.3	
4924.00	V	180.00	1.38	59.83	1.9	1222.6	5000.0	-12.2	Peak
4924.00	V	180.00	1.38	45.83	1.9	243.9	500.0	-6.2	Average

7386.00	V	180.00	1.38	47.17	6.6	487.9	5000.0	-20.2	Peak
7386.00	V	180.00	1.38	34.17	6.6	109.2	500.0	-13.2	Average
9848.00	V	180.00	1.38	46.00	9.5	594.6	5000.0	-18.5	Peak
9848.00	V	180.00	1.38	32.83	9.5	130.5	500.0	-11.7	Average
12310.00	V	180.00	1.38	46.83	13.5	1043.6	5000.0	-13.6	Peak
12310.00	V	180.00	1.38	35.83	13.5	294.1	500.0	-4.6	Average
73.18	H	180.00	3.10	16.60	10.5	22.6	100.0	-12.9	
108.79	H	210.00	2.76	21.10	14.0	56.8	150.0	-8.4	
149.97	H	190.00	2.50	11.60	14.3	19.8	150.0	-17.6	
249.97	H	180.00	1.40	26.70	13.8	106.3	200.0	-5.5	
263.97	H	180.00	1.30	25.50	15.4	111.5	200.0	-5.1	
323.02	H	270.00	1.00	17.30	17.4	54.6	200.0	-11.3	
999.98	H	90.00	1.63	5.20	33.1	82.7	500.0	-15.6	
4924.00	H	315.00	1.36	41.17	1.9	142.7	5000.0	-30.9	Peak
4924.00	H	315.00	1.36	31.83	6.6	83.4	500.0	-15.6	Average
7386.00	H	315.00	1.36	47.83	6.6	526.5	5000.0	-19.6	Peak
7386.00	H	315.00	1.36	33.17	9.5	135.7	500.0	-11.3	Average
9848.00	H	315.00	1.36	45.17	9.5	540.4	5000.0	-19.3	Peak
9848.00	H	315.00	1.36	35.67	13.5	288.7	500.0	-4.8	Average
12310.00	H	315.00	1.36	46.17	13.5	967.2	5000.0	-14.3	Peak
12310.00	H	315.00	1.36	36.17	15.0	359.9	500.0	-2.9	Average

3.8 Receiver Radiated Spurious Emissions:

The EUT must comply with the requirements for radiated spurious emissions as a receiver device.

3.8.1 Test Procedure

The EUT must comply with the requirements for radiated spurious emissions while in receiver mode to the 3rd of the highest tunable frequency or local oscillator. These emissions must meet the limits specified in RSS210 section 2.6.

Test Arrangement: Table Top

Compliance Limits for Receivers	
Frequency	**Limits**
30-88 MHz	100 µV/m
88-216 MHz	150 µV/m
216-960 MHz	200 µV/m
>960MHz	500 µV/m

3.8.2 Test Procedure

The EUT was placed on motorized turntable for radiated testing on a 3-meter open field test site. The emissions from the EUT were measured continuously at every azimuth by rotating the turntable. Receiving antennas were mounted on an antenna mast to determine the height of maximum emissions. The height of the antenna was varied between 1 and 4 meters. The peripherals were placed on the table in accordance with ANSI C63.4-2003. Cables were varied in position to produce maximum emissions. Both the horizontal and vertical field components were measured. The units were scanned from 30-7500MHz.

The unit was pre-scanned in 3 orthogonal positions with full testing performed in the worst case position. The data was the same for all antenna types and was reported with the 8dBi antenna attached. No emissions were noted above those shown.

The emissions were measured using the following resolution bandwidths:

Table 19: Spectrum Analyzer Settings

Frequency Range	Resolution Bandwidth	Video Bandwidth
30MHz-1000 MHz	120kHz	>100 kHz
>1000 MHz	1 MHz	10 Hz (Avg.)

Table 20: Radiated Emission Test Data, Receive Only

Frequency (MHz)	Polarity H/V	Azimuth (Degree)	Ant. Height (m)	SA Level (dBuV)	Corr Factors (dB)	Corr. Level (uV/m)	Limit (uV/m)	Margin (dB)	Comments
73.18	V	195.00	1.00	13.20	10.5	15.3	100.0	-16.3	
108.77	V	45.00	1.00	9.50	14.0	14.9	150.0	-20.0	
149.99	V	135.00	1.00	17.90	14.3	40.8	150.0	-11.3	
249.99	V	180.00	1.00	15.80	13.8	30.3	200.0	-16.4	
263.97	V	45.00	1.00	15.60	15.4	35.7	200.0	-15.0	
323.05	V	315.00	1.60	13.90	17.4	36.9	200.0	-14.7	
999.98	V	135.00	1.60	8.30	33.1	118.1	500.0	-12.5	
1056.05	V	180.00	1.97	53.67	-11.8	124.7	5000.0	-32.1	Peak
1056.05	V	180.00	1.97	47.83	-11.8	63.7	500.0	-17.9	Average
1188.07	V	190.00	1.85	57.17	-11.1	201.2	5000.0	-27.9	Peak
1188.07	V	190.00	1.85	50.83	-11.1	96.9	500.0	-14.2	Average
1320.70	V	190.00	1.90	54.00	-10.7	146.0	5000.0	-30.7	Peak
1320.70	V	190.00	1.90	50.00	-10.7	92.1	500.0	-14.7	Average
1452.05	V	315.00	1.98	50.83	-10.2	107.0	5000.0	-33.4	Peak
1452.05	V	315.00	1.98	47.00	-10.2	68.8	500.0	-17.2	Average
1584.00	V	50.00	1.95	51.67	-9.4	130.4	5000.0	-31.7	Peak
1584.00	V	50.00	1.95	48.83	-9.4	94.0	500.0	-14.5	Average
73.18	H	180.00	4.00	16.00	10.5	21.1	100.0	-13.5	
108.79	H	215.00	2.90	24.40	14.0	83.0	150.0	-5.1	
149.97	H	215.00	2.32	11.70	14.3	20.0	150.0	-17.5	
249.97	H	180.00	1.30	29.10	13.8	140.2	200.0	-3.1	
263.97	H	180.00	1.20	15.20	15.4	34.1	200.0	-15.4	
323.02	H	270.00	1.00	16.30	17.4	48.7	200.0	-12.3	
999.98	H	45.00	1.00	7.80	33.1	111.5	500.0	-13.0	
1056.05	H	300.00	1.28	56.83	-11.8	179.4	5000.0	-28.9	Peak
1056.05	H	300.00	1.28	50.83	-11.8	89.9	500.0	-14.9	Average
1188.07	H	300.00	2.82	54.67	-11.1	150.8	5000.0	-30.4	Peak
1188.07	H	300.00	2.82	50.67	-11.1	95.2	500.0	-14.4	Average
1320.70	H	100.00	2.96	56.00	-10.7	183.8	5000.0	-28.7	Peak
1320.70	H	100.00	2.96	52.83	-10.7	127.6	500.0	-11.9	Average

1452.05	H	195.00	3.10	52.67	-10.2	132.2	5000.0	-31.6	Peak
1452.05	H	195.00	3.10	45.67	-10.2	59.1	500.0	-18.6	Average
1584.00	H	180.00	2.21	50.50	-9.4	114.0	5000.0	-32.8	Peak
1584.00	H	180.00	2.21	46.33	-9.4	70.5	500.0	-17.0	Average