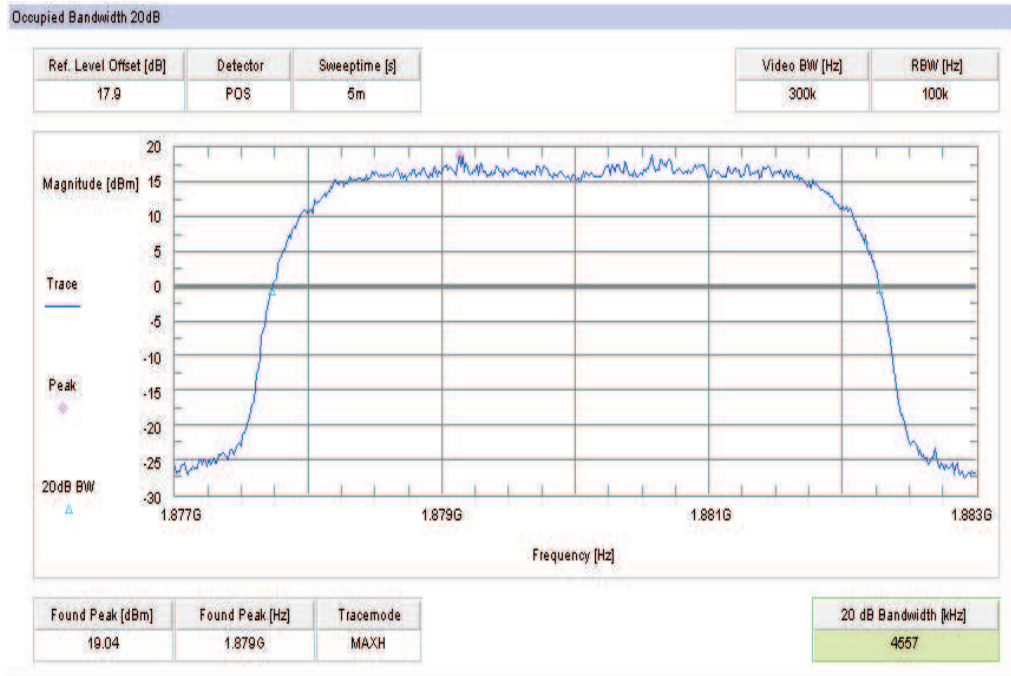
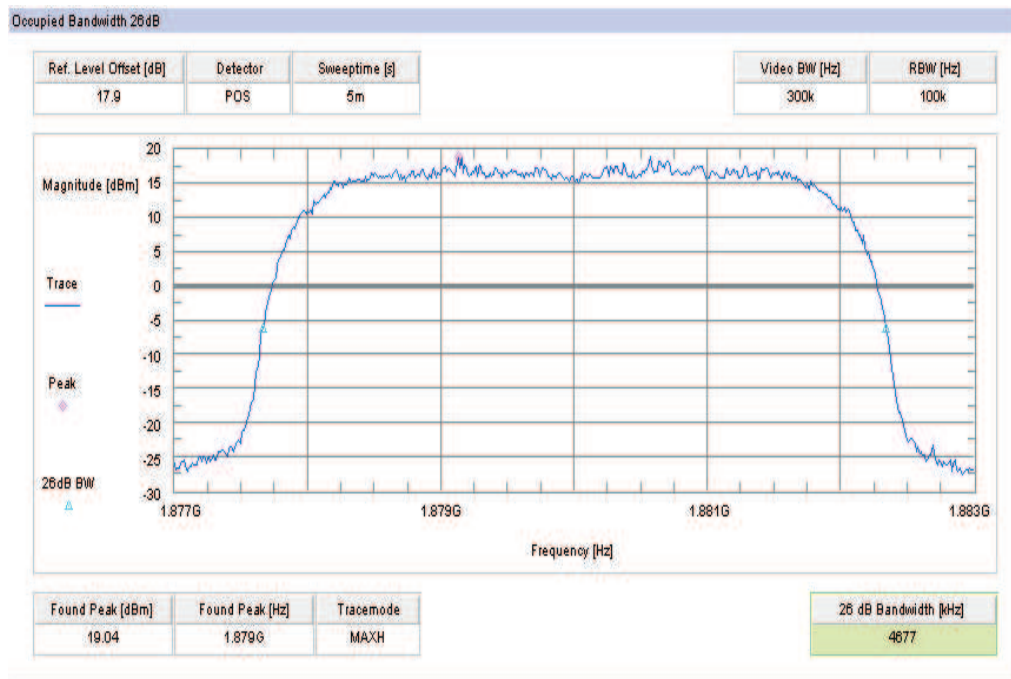


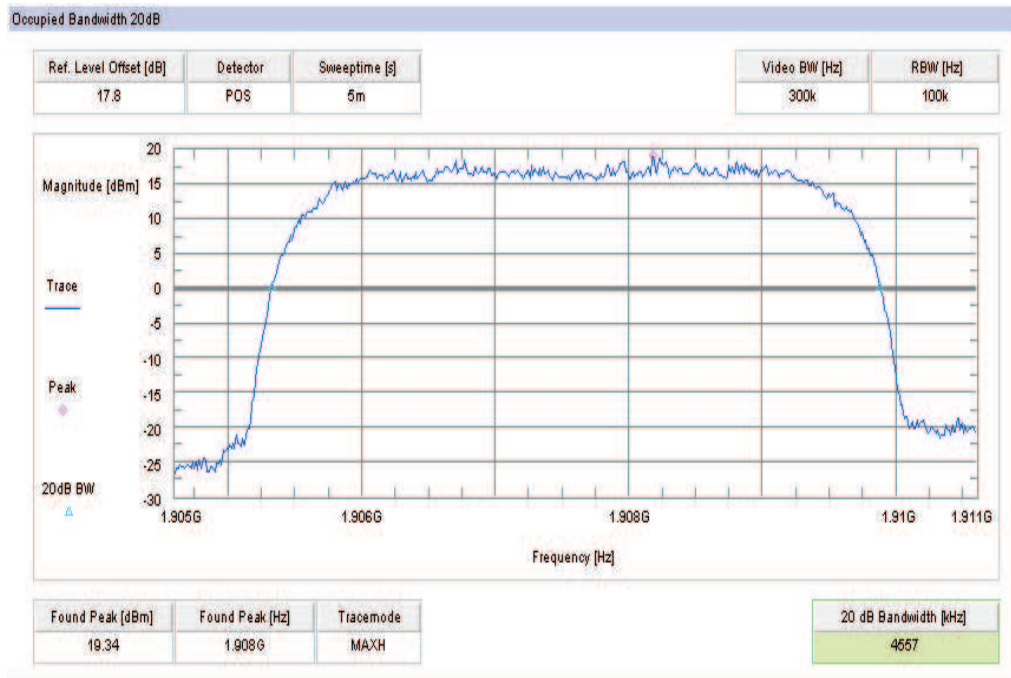
Plot 3: Channel 9400 (99% - OBW)



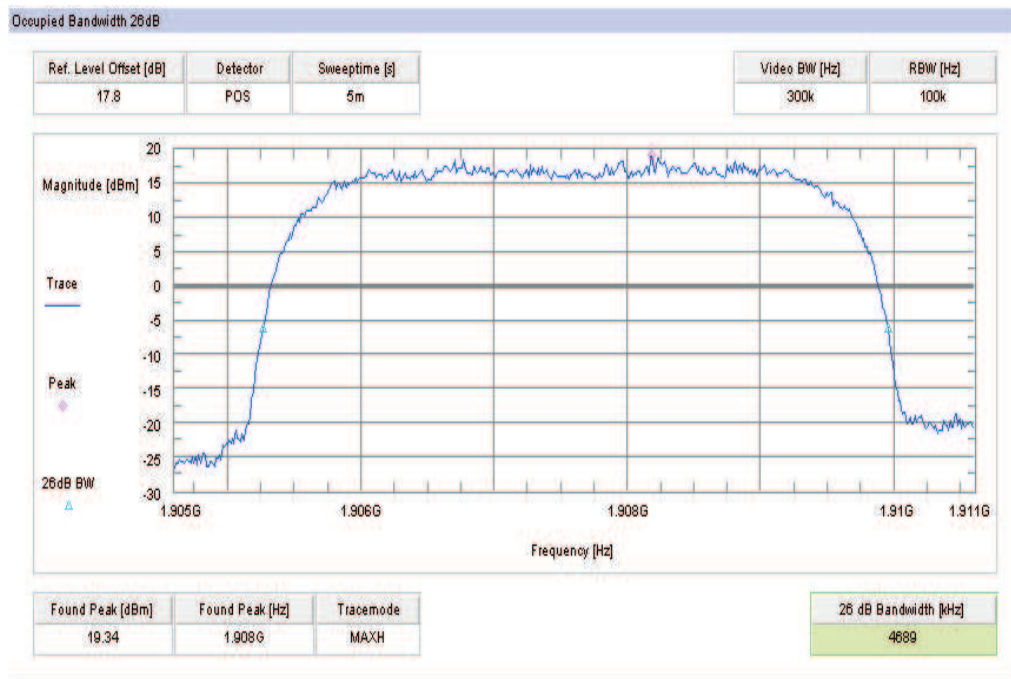
Plot 4: Channel 9400 (-26 dBc BW)



Plot 5: Channel 9538 (99% - OBW)



Plot 6: Channel 9538 (-26 dBc BW)



## 8.5 Results UMTS band V

All UMTS-band measurements are done in WCDMA mode only.

The connection was established with the following setup: WCDMA CS-RMC, Max Power (All Bit up)

### 8.5.1 RF output power

#### Description:

This paragraph contains average power, peak output power and ERP measurements for the mobile station. In all cases, the peak output power is within the required mask (this mask is specified in the JTC standards, TIA PN3389 Vol. 1 Chap 7, and is no FCC requirement).

#### Measurement:

The mobile was set up for the maximum output power with pseudo random data modulation.

To determine the Peak-To-Average Power Ratio (PAPR) the measurement was performed with the Power Complementary Cumulative Distribution Function (CCDF).

Measurement parameters	
Detector:	Peak and RMS (Power in Burst)
Sweep time:	Auto
Video bandwidth:	10 MHz
Resolution bandwidth:	10 MHz
Span:	Zero Span
Trace-Mode:	Max Hold

#### Limits:

FCC	IC
CFR Part 22.913 CFR Part 2.1046	RSS 132
Nominal Peak Output Power	
+38.45 dBm	
In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.	

**Results:**

Output Power (conducted) WCDMA mode		
Frequency (MHz)	Average Output Power (dBm)	Peak to Average Ratio (dB)
826.4	24.5	2.89
836.0	24.2	2.76
846.6	24.0	2.87
Measurement uncertainty	± 0.5 dB	

Output Power (radiated) WCDMA mode (VOICE)	
Frequency (MHz)	Average Output Power (dBm) - ERP
826.4	20.5
836.0	20.8
846.6	21.2
Measurement uncertainty	± 2.0 dB

Output Power (radiated) WCDMA mode (HSPA)	
Frequency (MHz)	Average Output Power (dBm) - ERP
826.4	20.7
836.0	21.0
846.6	21.3
Measurement uncertainty	± 2.0 dB

Output Power (radiated) WCDMA mode (HSPA+)	
Frequency (MHz)	Average Output Power (dBm) - ERP
826.4	19.8
836.0	20.2
846.6	20.7
Measurement uncertainty	± 2.0 dB

**Result: Passed**

## 8.5.2 Frequency stability

Not performed

### 8.5.3 Spurious emissions radiated

**Description:**

The following steps outline the procedure used to measure the radiated emissions from the mobile station. The site is constructed in accordance with ANSI C63.4:2009 requirements and is recognized by the FCC to be in compliance for a 3 and a 10 meter site. The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier that can be as high as 846.6 MHz. This was rounded up to 12 GHz. The resolution bandwidth is set as outlined in Part 22.917. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the UMTS band V.

The final open field emission (here 10m semi-anechoic chamber listed by FCC) test procedure is as follows:

- a) The test item was placed on a 0.8 meter high non-conductive stand at a 3 meter test distance from the receive antenna.
- b) The antenna output was terminated in a 50 ohm load (if possible).
- c) A double ridged wave guide antenna was placed on an adjustable height antenna mast 3 meters from the test item for emission measurements.
- d) Detected emissions were maximized at each frequency by rotating the test item and adjusting the receive antenna height and polarization. The maximum meter reading was recorded. The radiated emission measurements of the harmonics of the transmit frequency through the 10th harmonic were measured with peak detector and 1 MHz bandwidth. If the harmonic could not be detected above the noise floor, the ambient level was recorded. The equivalent power into a dipole antenna was calculated from the field intensity levels measured at 3 meters.
- e) Now each detected emissions were substituted by the substitution method, in accordance with the TIA/EIA 603.

**Measurement:**

Measurement parameters	
Detector:	Peak
Sweep time:	2 sec.
Video bandwidth:	Below 1 GHz: 100 kHz Above 1 GHz: 1 MHz
Resolution bandwidth:	Below 1 GHz: 100 kHz Above 1 GHz: 1 MHz
Span:	100 MHz Steps
Trace-Mode:	Max Hold

**Limits:**

FCC	IC
CFR Part 22.917 CFR Part 2.1053	RSS 132
Spurious Emissions Radiated	
Attenuation $\geq 43 + 10\log(P)$ (P, Power in Watts)	
-13 dBm	

**Results:**

Radiated emissions measurements were made only at the upper, center, and lower carrier frequencies of the UMTS band V (826.4 MHz, 836.0 MHz and 846.6 MHz). It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the UMTS band V into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this.

The final open field radiated levels are presented on the next pages. All measurements were done in horizontal and vertical polarization; the plots show the worst case. The plots show only the middle channel. If spurious were detected, the lowest and highest channel were checked too. The found values are stated in the table below.

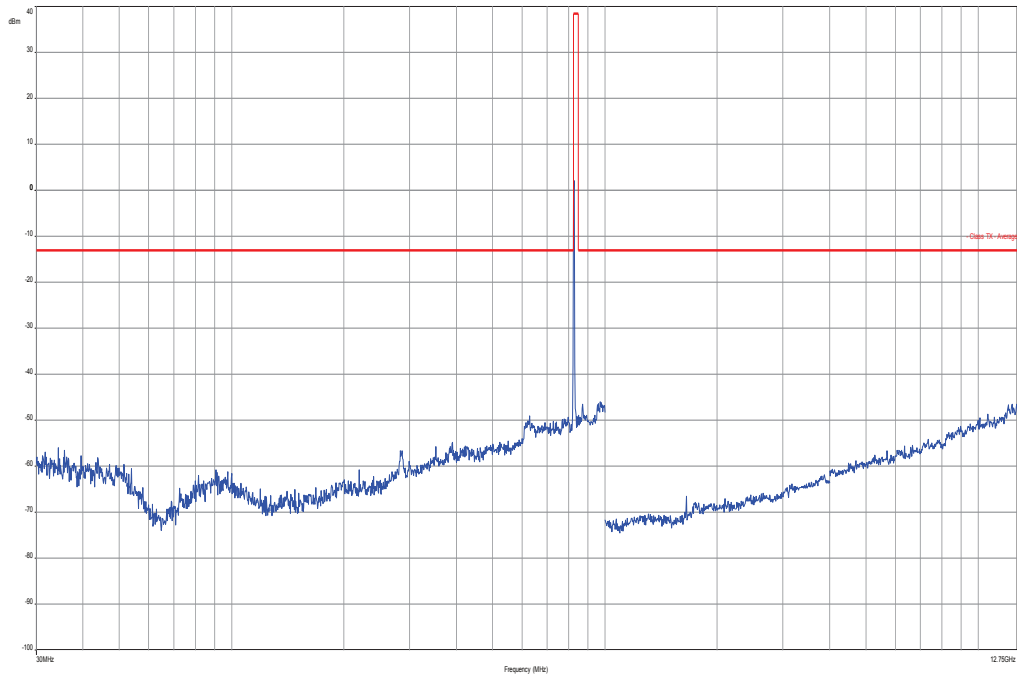
As can be seen from this data, the emissions from the test item were within the specification limit.

SPURIOUS EMISSION LEVEL (dBm)								
Harmonic	Ch. 4132 Freq. (MHz)	Level [dBm]	Harmonic	Ch. 4180 Freq. (MHz)	Level [dBm]	Harmonic	Ch. 4233 Freq. (MHz)	Level [dBm]
2	1652.8	No peaks detected. All detected emissions are more than 10 dB below the limit!	2	1672.0	No peaks detected. All detected emissions are more than 10 dB below the limit!	2	1693.2	No peaks detected. All detected emissions are more than 10 dB below the limit!
3	2479.2		3	2508.0		3	2539.8	
4	3305.6		4	3344.0		4	3386.4	
5	4132.0		5	4180.0		5	4233.0	
6	4958.4		6	5016.0		6	5079.6	
7	5784.8		7	5852.0		7	5926.2	
8	6611.2		8	6688.0		8	6772.8	
9	7437.6		9	7524.0		9	7619.4	
10	8264.0		10	8360.0		10	8466.0	
Measurement uncertainty						± 3dB		

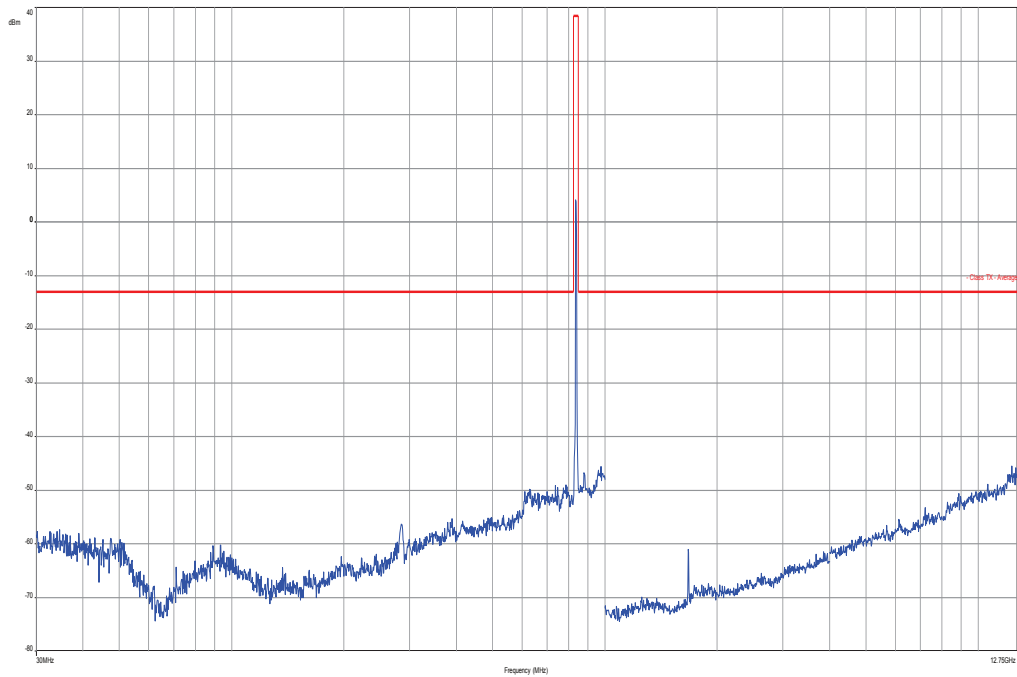
**Result: Passed**

**Plots:**

**Plot 1:** Channel 4132 / VOICE (30 MHz – 12.75 GHz)

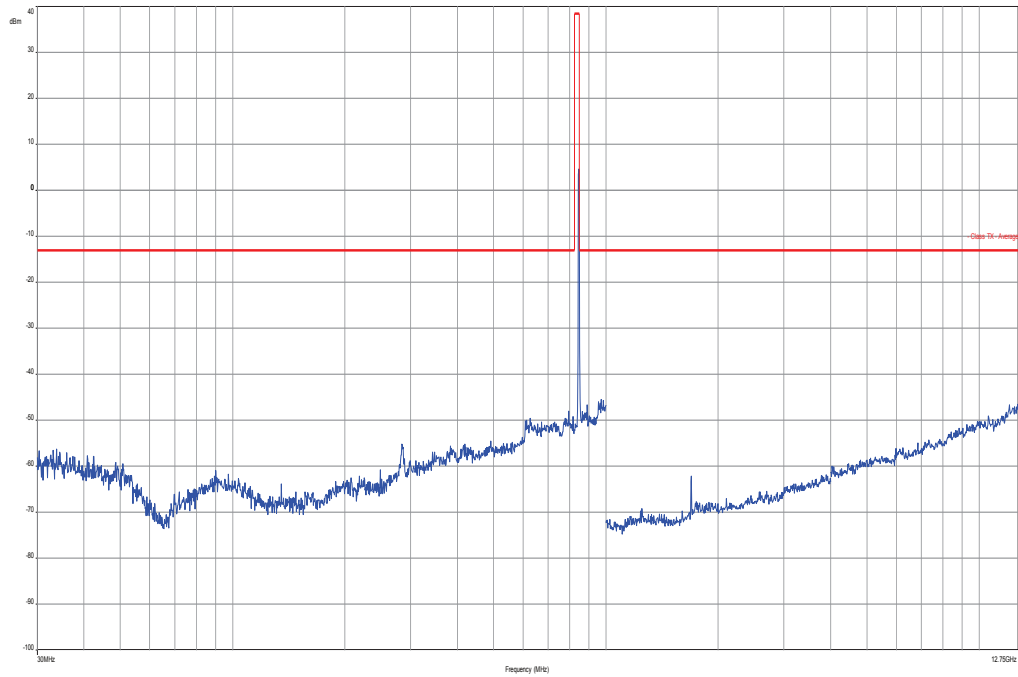


**Plot 2:** Channel 4182 / VOICE (30 MHz – 12.75 GHz)

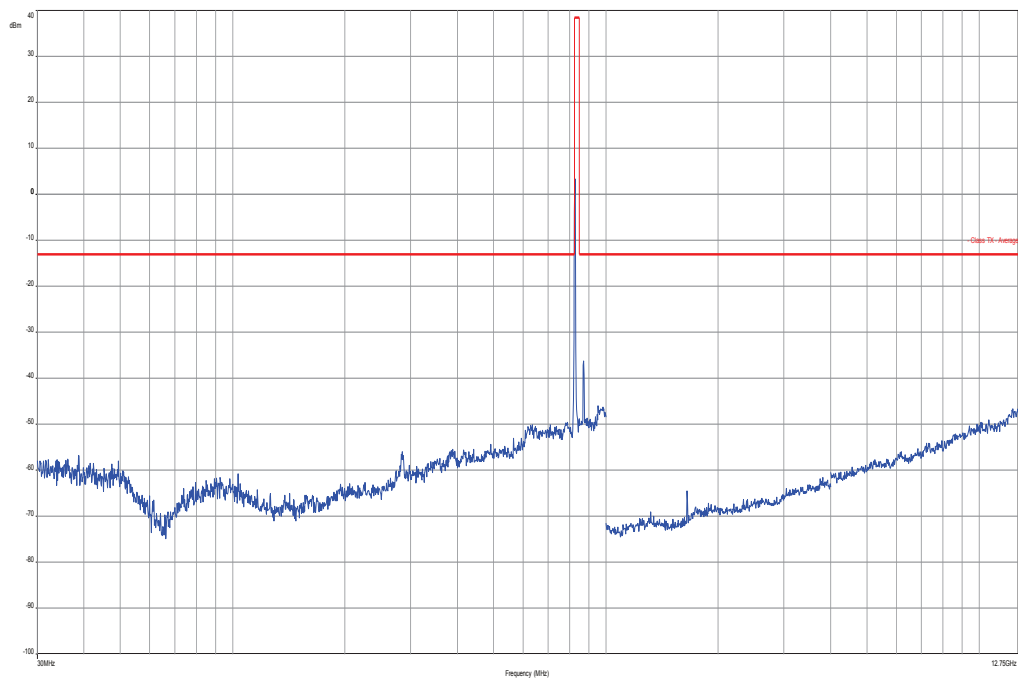




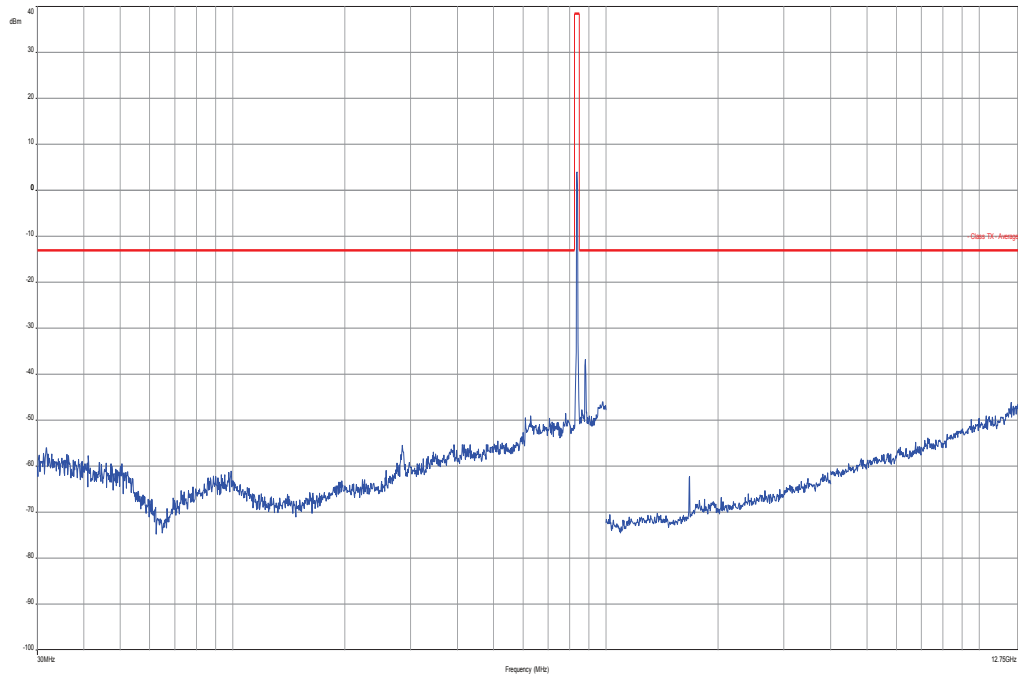
Plot 3: Channel 4233 / VOICE (30 MHz – 12.75 GHz)



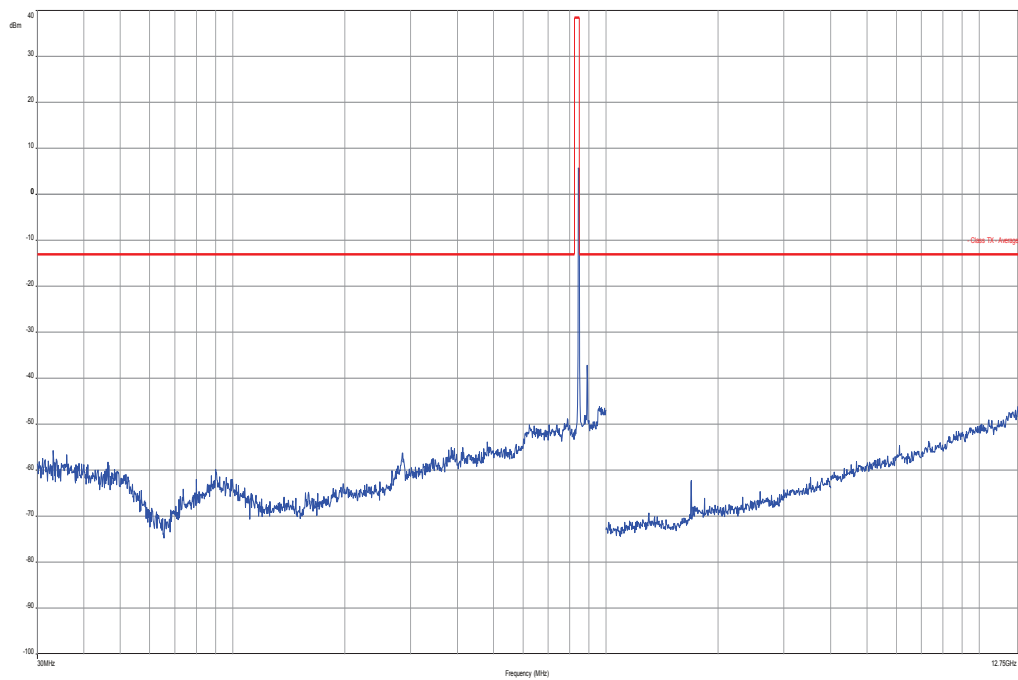
Plot 4: Channel 4132 / HSPA (30 MHz – 12.75 GHz)



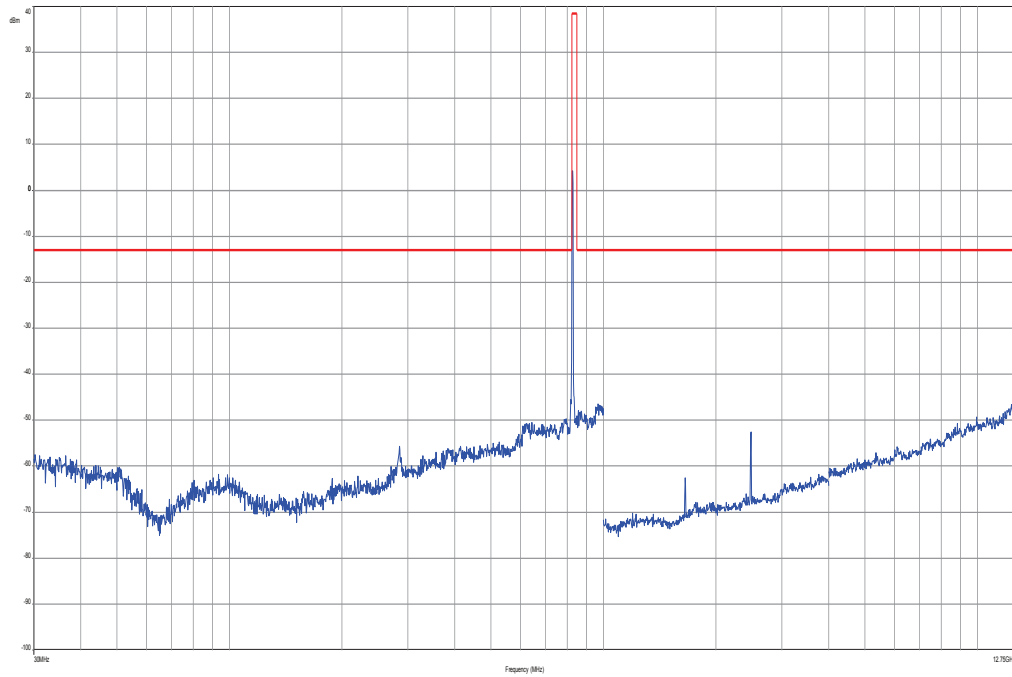
**Plot 5:** Channel 4182 / HSPA (30 MHz – 12.75 GHz)



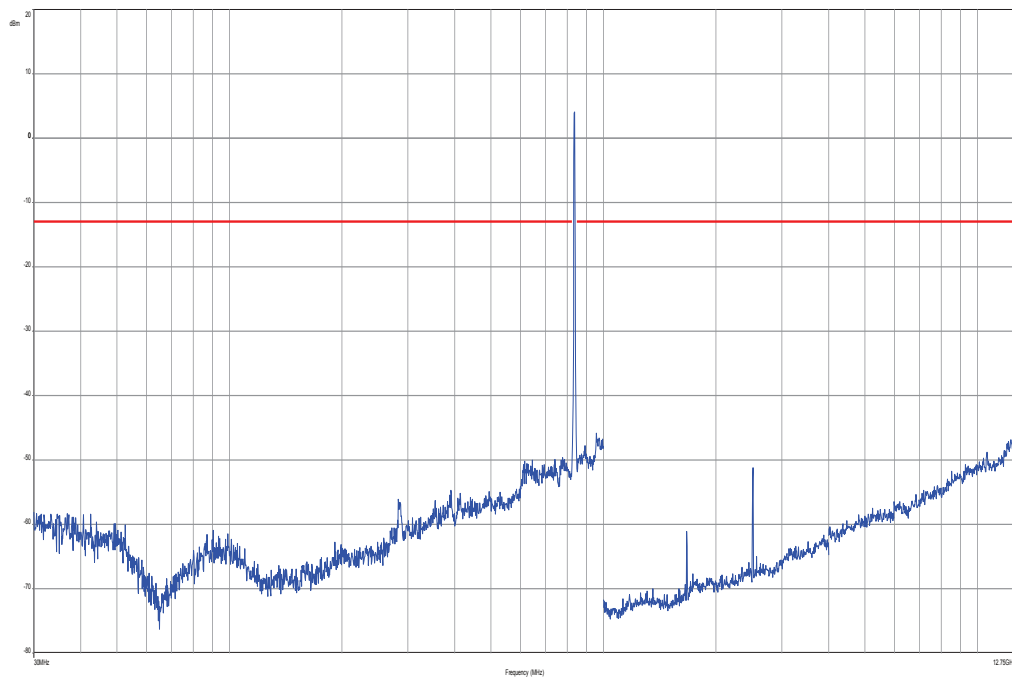
**Plot 6:** Channel 4233 / HSPA (30 MHz – 12.75 GHz)



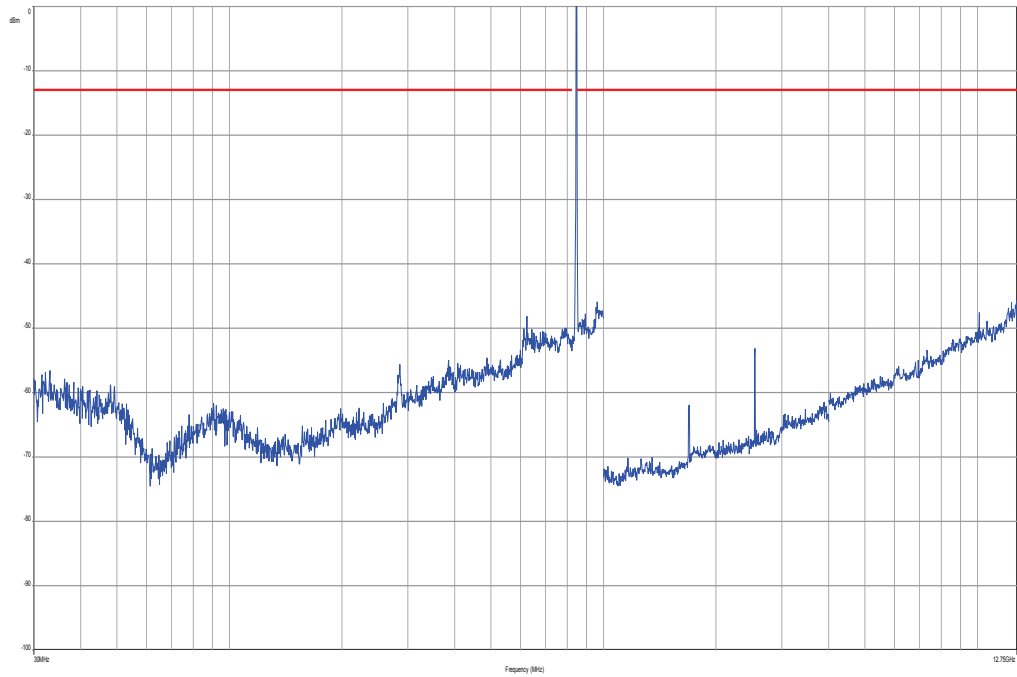
**Plot 7:** Channel 4132 / HSPA+ (30 MHz – 12.75 GHz)



**Plot 8:** Channel 4182 / HSPA+ (30 MHz – 12.75 GHz)



Plot 9: Channel 4233 / HSPA+ (30 MHz – 12.75 GHz)



### 8.5.4 Spurious emissions conducted

**Description:**

The following steps outline the procedure used to measure the conducted emissions from the mobile station.

1. Determine frequency range for measurements: From CFR 2.1057 the spectrum should be investigated from the lowest radio frequency generated in the equipment up to at least the 10th harmonic of the carrier frequency. For the mobile station equipment tested, this equates to a frequency range of 13 MHz to 9 GHz, data taken from 10 MHz to 25 GHz.
2. Determine mobile station transmits frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.

UMTS band V Transmitter Channel Frequency  
 4132 826.4 MHz  
 4180 836.0 MHz  
 4233 846.6 MHz

**Measurement:**

Measurement parameters	
Detector:	Peak
Sweep time:	Auto
Video bandwidth:	Pre-measurement with 1 MHz On spurious detection re-measurement below 1 GHz with 100 kHz Above 1 GHz with 1 MHz
Resolution bandwidth:	Pre-measurement with 1 MHz On spurious detection re-measurement below 1 GHz with 100 kHz Above 1 GHz with 1 MHz
Span:	30 MHz – 25 GHz
Trace-Mode:	Max Hold

**Limits:**

FCC	IC
CFR Part 22.917 CFR Part 2.1051	RSS 132
Spurious Emissions Conducted	
Attenuation $\geq 43 + 10\log(P)$ (P, Power in Watts)	
-13 dBm	

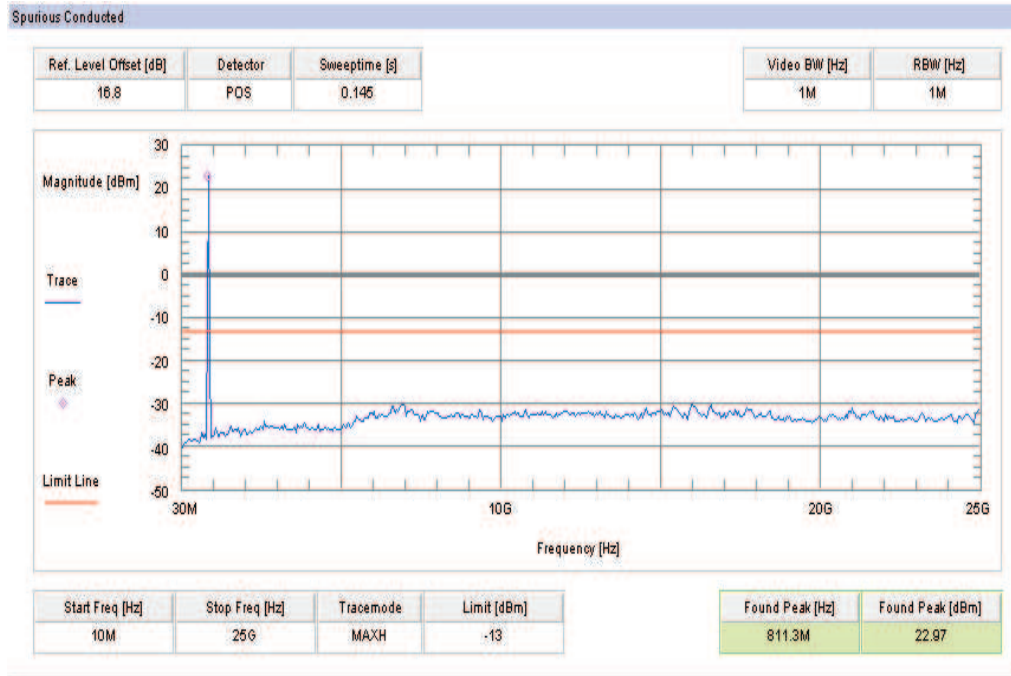
**Results:**

SPURIOUS EMISSION LEVEL (dBm)								
Harmonic	Ch. 4132 Freq. (MHz)	Level [dBm]	Harmonic	Ch. 4180 Freq. (MHz)	Level [dBm]	Harmonic	Ch. 4233 Freq. (MHz)	Level [dBm]
2	1652.8	-	2	1672.0	-	2	1693.2	-
3	2479.2	-	3	2508.0	-	3	2539.8	-
4	3305.6	-	4	3344.0	-	4	3386.4	-
5	4132.0	-	5	4180.0	-	5	4233.0	-
6	4958.4	-	6	5016.0	-	6	5079.6	-
7	5784.8	-	7	5852.0	-	7	5926.2	-
8	6611.2	-	8	6688.0	-	8	6772.8	-
9	7437.6	-	9	7524.0	-	9	7619.4	-
10	8264.0	-	10	8360.0	-	10	8466.0	-
Measurement uncertainty					± 3dB			

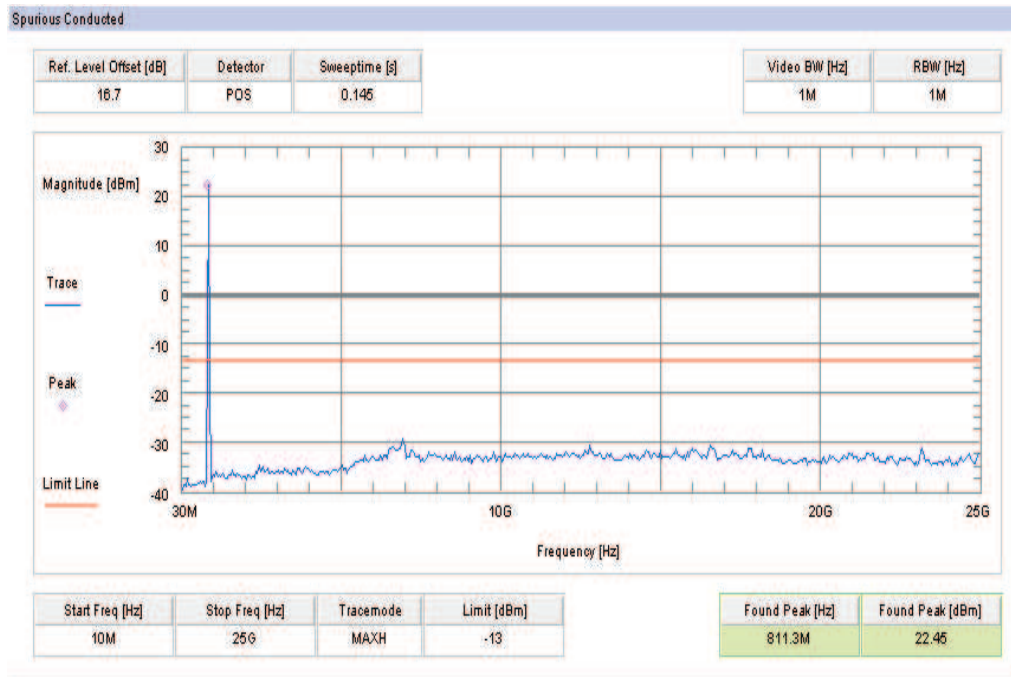
**Result: Passed**

**Plots:**

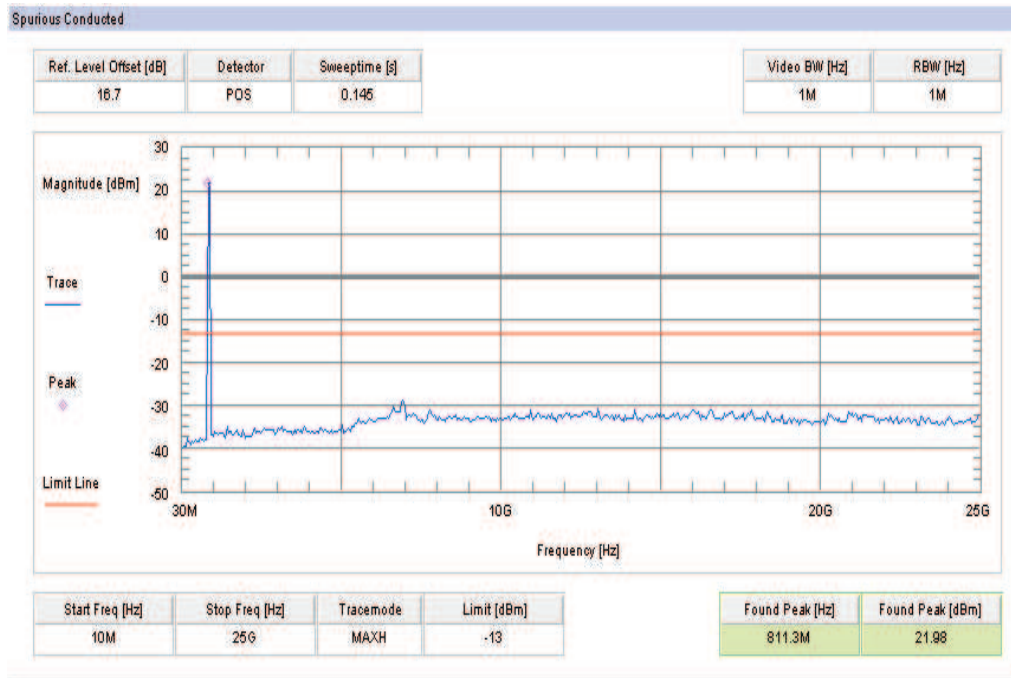
**Plot 1: Channel 4132 (10 MHz - 12 GHz)**



**Plot 2: Channel 4180 (10 MHz - 12 GHz)**



Plot 3: Channel 4233 (10 MHz - 12 GHz)





### 8.5.5 Block edge compliance

**Description:**

The spectrum at the band edges must comply with the spurious emissions limits.

**Measurement:**

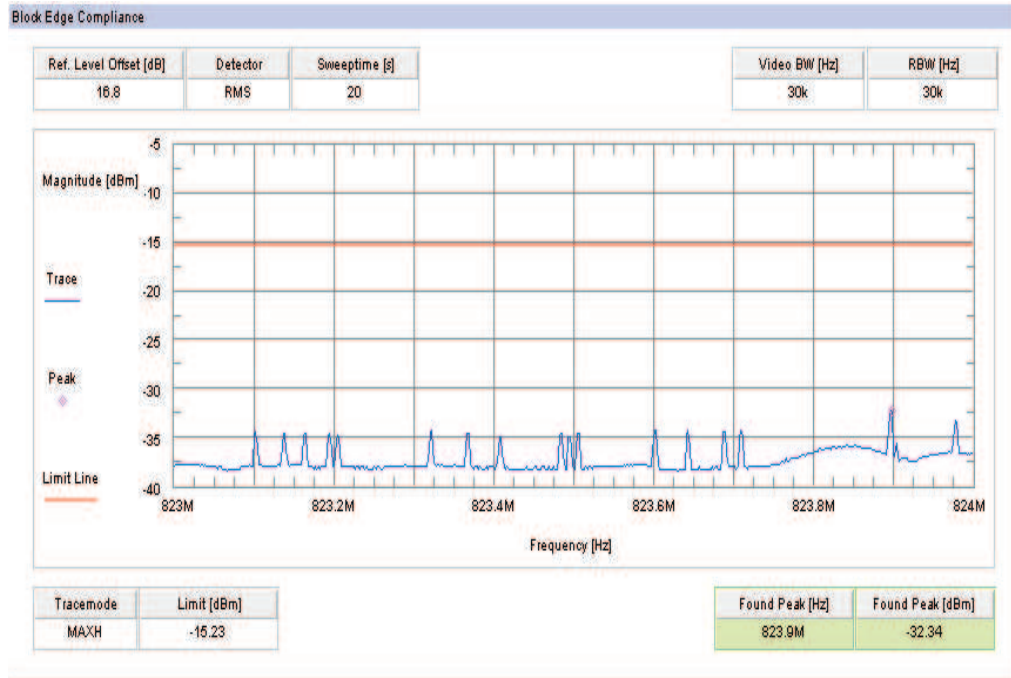
Measurement parameters	
Detector:	RMS
Sweep time:	20 sec.
Video bandwidth:	30 kHz
Resolution bandwidth:	30 kHz
Span:	1 MHz
Trace-Mode:	Max Hold

**Limits:**

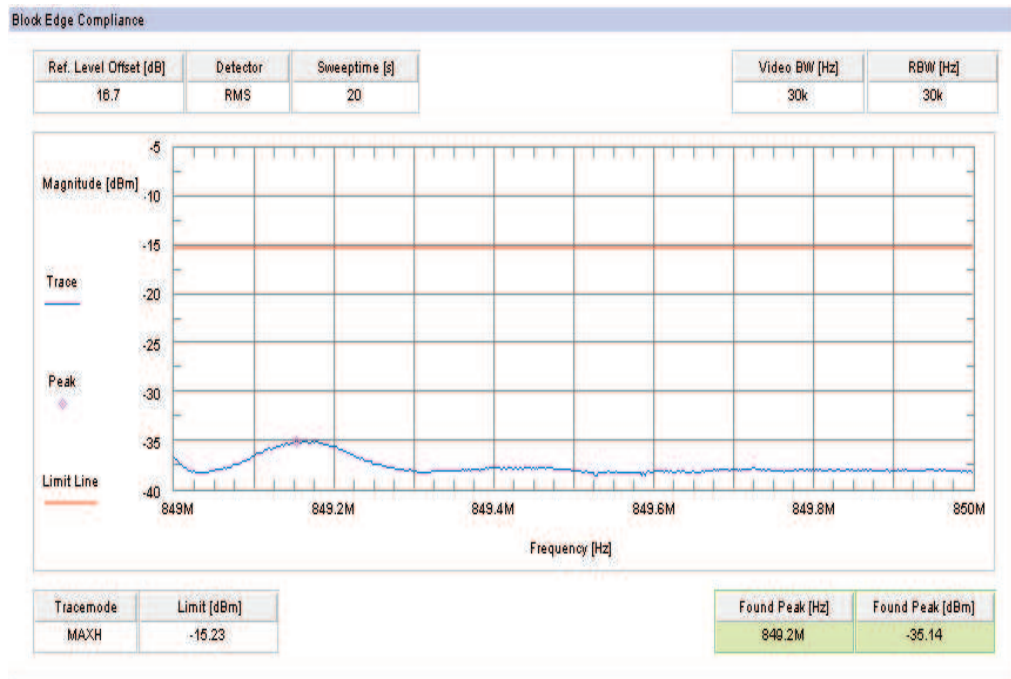
FCC	IC
CFR Part 22.917 CFR Part 2.1051	RSS 132
Block Edge Compliance	
<p>Part 22.917 specifies that “the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.”</p> <p>However, in publication number 890810, The FCC Office of Engineering and Technology specified the following correction to the limits when a resolution bandwidth smaller than 1% of the emission bandwidth is used:</p> <p>“An alternative is to add an additional correction factor of 10 Log (RBW1/ RBW2) to the 43 +10 log(P) limit. RBW1 is the narrower measurement resolution bandwidth and RBW2 is either the 1% emissions bandwidth or 1 MHz.”</p> <p>When using a 30 kHz bandwidth, this yields a -2.2185 adjustment to the limit [10 log(30kHz/50kHz) = -2.2185]. When this adjustment is applied to the limit, the limit becomes -15.2185.</p>	
-15.22 dBm	

**Plots:**

**Plot 1: Channel 4132**



**Plot 2: Channel 4233**



**Result: Passed**

### 8.5.6 Occupied bandwidth

**Description:**

Measurement of the occupied bandwidth of the transmitted signal.

**Measurement:**

Similar to conducted emissions, occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of the UMTS band V. The table below lists the measured 99% power and -26dBc occupied bandwidths. Spectrum analyzer plots are included on the following pages.

Part 22.917 requires a measurement bandwidth of at least 1% of the occupied bandwidth. For ca. 4700 kHz, this equates to a resolution bandwidth of at least 50 kHz. For this testing, a resolution bandwidth 100 kHz was used.

Measurement parameters	
Detector:	Peak
Sweep time:	Auto
Video bandwidth:	300 kHz
Resolution bandwidth:	100 kHz
Span:	6 MHz
Trace-Mode:	Max Hold

**Limits:**

FCC	IC
CFR Part 22.917 CFR Part 2.1049	RSS 132
Occupied Bandwidth	
Spectrum must fall completely in the specified band	

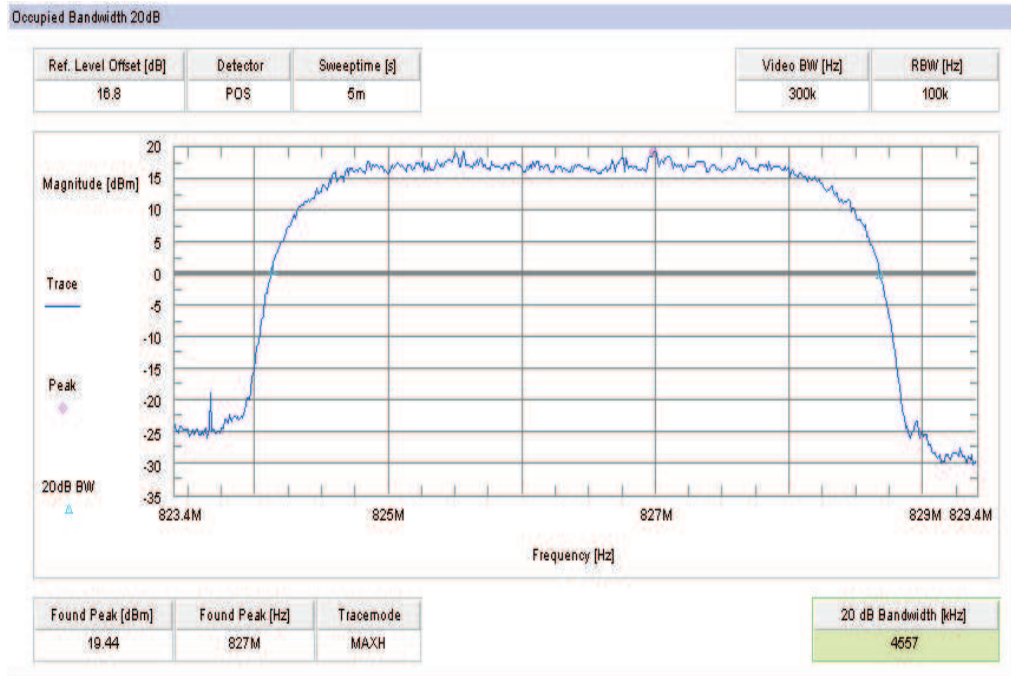
**Results:**

Occupied Bandwidth		
Frequency (MHz)	99% OBW (kHz)	-26 dBc BW (kHz)
826.4	4557	4665
836.0	4569	4689
846.6	4569	4677
Measurement uncertainty	± 100 kHz	

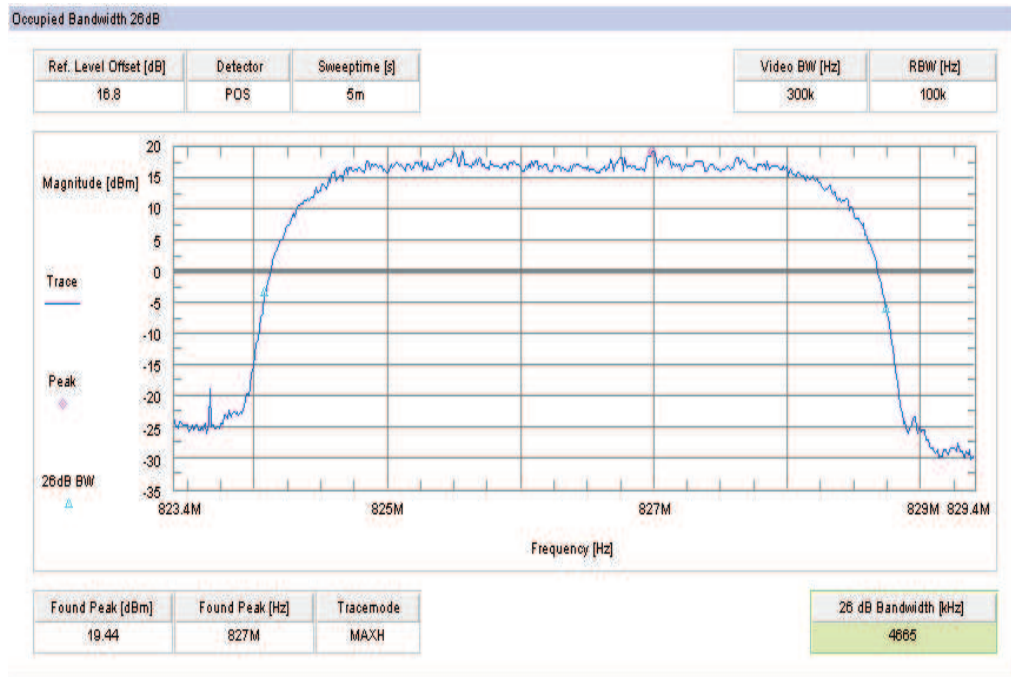
**Result: Passed**

**Plots:**

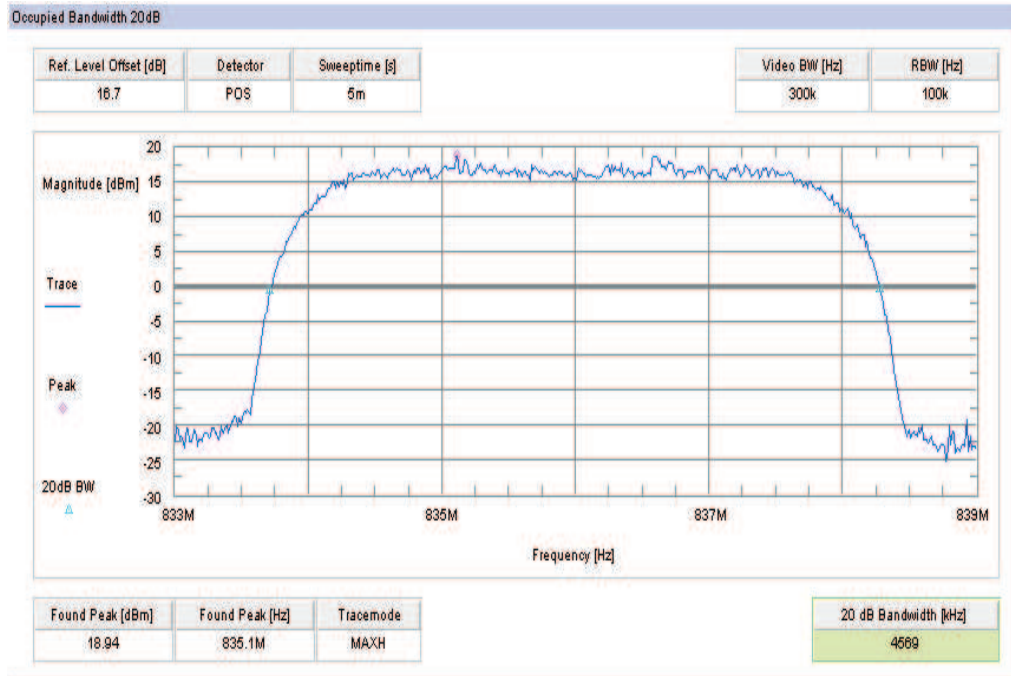
**Plot 1: Channel 4132 (99% - OBW)**



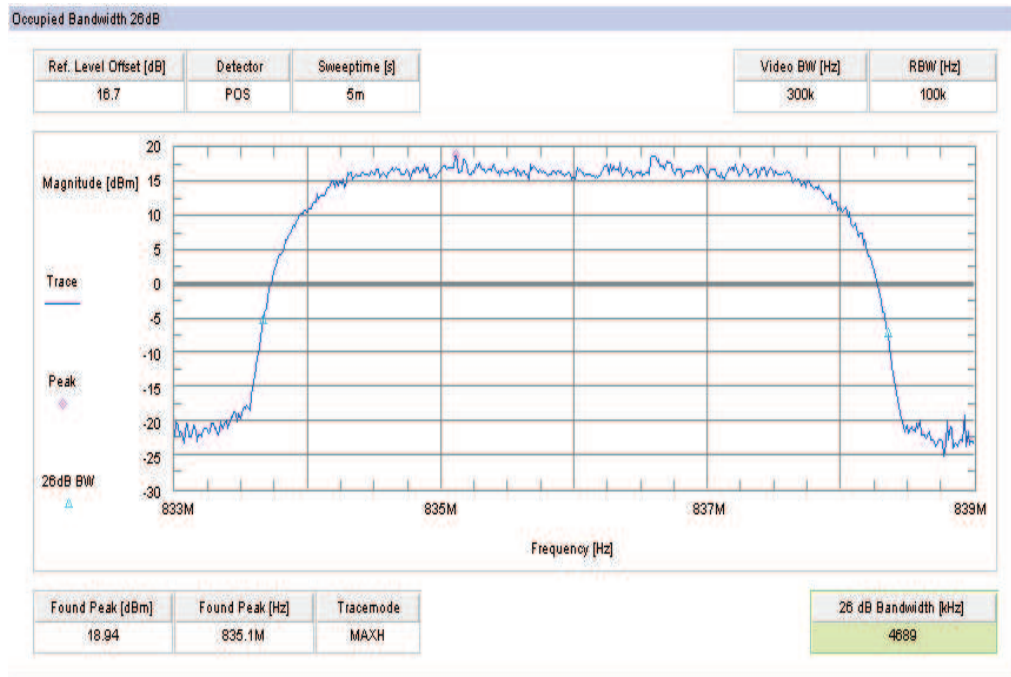
**Plot 2: Channel 4132 (-26 dBc BW)**



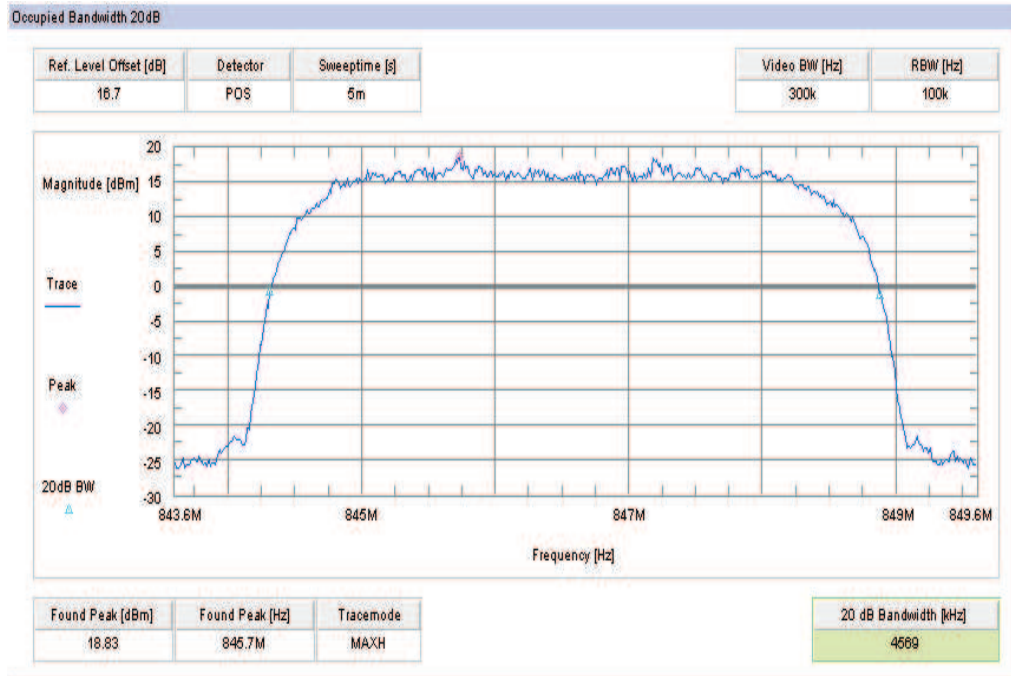
Plot 3: Channel 4180 (99% - OBW)



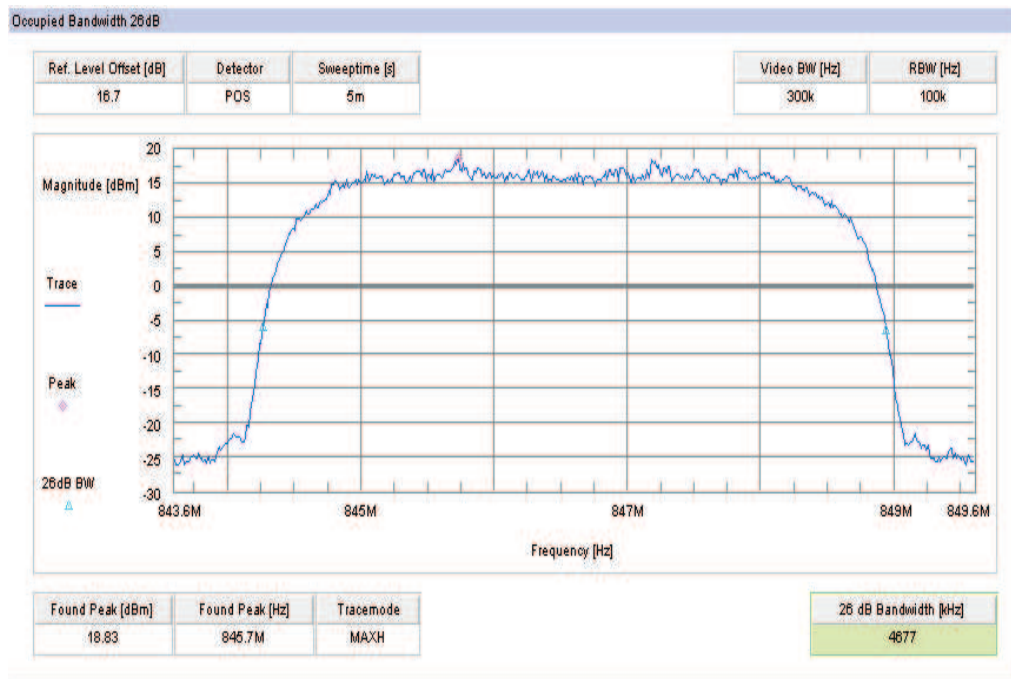
Plot 4: Channel 4180 (-26 dBc BW)



Plot 5: Channel 4233 (99% - OBW)



Plot 6: Channel 4233 (-26 dBc BW)



## 8.6 Results CDMA2000 PCS

### 8.6.1 RF output power

**Description:**

This paragraph contains average power, peak output power and EIRP measurements for the mobile station. In all cases, the peak output power is within the required mask (this mask is specified in the JTC standards, TIA PN3389 Vol. 1 Chap 7, and is no FCC requirement).

**Measurement:**

The mobile was set up for the maximum output power with pseudo random data modulation.

Measurement parameters	
Detector:	Peak and RMS (Power in Burst)
Sweep time:	Auto
Video bandwidth:	1 MHz
Resolution bandwidth:	1 MHz
Span:	Zero Span
Trace-Mode:	Max Hold

**Limits:**

FCC	IC
CFR Part 24.232 CFR Part 2.1046	RSS 133
Nominal Peak Output Power	
+33.00 dBm In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.	

**Results:**

Output Power (radiated) CDMA2000 Loopback mode	
Frequency (MHz)	Average Output Power (dBm) - EIRP
1851.2	22.6
1880.0	23.3
1908.2	22.1
Measurement uncertainty	± 2.0 dB

Output Power (radiated) CDMA2000 EVDO mode	
Frequency (MHz)	Average Output Power (dBm) - EIRP
1851.2	24.2
1880.0	23.7
1908.2	22.0
Measurement uncertainty	± 2.0 dB

**Result: Passed**



## 8.6.2 Frequency stability

Not performed

### 8.6.3 Spurious emissions radiated

**Description:**

The following steps outline the procedure used to measure the radiated emissions from the mobile station. The site is constructed in accordance with ANSI C63.4:2009 requirements and is recognized by the FCC to be in compliance for a 3 and a 10 meter site. The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier that can be as high as 1908.2 MHz. This was rounded up to 20 GHz. The resolution bandwidth is set as outlined in Part 24.238. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the CDMA2000 PCE band.

The final open field emission (here 10m semi-anechoic chamber listed by FCC) test procedure is as follows:

- a) The test item was placed on a 0.8 meter high non-conductive stand at a 3 meter test distance from the receive antenna.
- b) The antenna output was terminated in a 50 ohm load (if possible).
- c) A double ridged wave guide antenna was placed on an adjustable height antenna mast 3 meters from the test item for emission measurements.
- d) Detected emissions were maximized at each frequency by rotating the test item and adjusting the receive antenna height and polarization. The maximum meter reading was recorded. The radiated emission measurements of the harmonics of the transmit frequency through the 10th harmonic were measured with peak detector and 1 MHz bandwidth. If the harmonic could not be detected above the noise floor, the ambient level was recorded. The equivalent power into a dipole antenna was calculated from the field intensity levels measured at 3 meters.
- e) Now each detected emissions were substituted by the substitution method, in accordance with the TIA/EIA 603.

**Measurement:**

Measurement parameters	
Detector:	Peak
Sweep time:	2 sec.
Video bandwidth:	Below 1 GHz: 100 kHz Above 1 GHz: 1 MHz
Resolution bandwidth:	Below 1 GHz: 100 kHz Above 1 GHz: 1 MHz
Span:	100 MHz Steps
Trace-Mode:	Max Hold

**Limits:**

FCC	IC
CFR Part 24.238 CFR Part 2.1053	RSS 133
Spurious Emissions Radiated	
Attenuation $\geq 43 + 10\log(P)$ (P, Power in Watts)	
-13 dBm	

**Results:**

Radiated emissions measurements were made only at the upper, center, and lower carrier frequencies of the CDMA2000 BC1 band. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the CDMA2000 BC1 band into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this.

The final open field radiated levels are presented on the next pages. All measurements were done in horizontal and vertical polarization; the plots show the worst case. The plots show only the middle channel. If spurious were detected, the lowest and highest channel were checked too. The found values are stated in the table below.

As can be seen from this data, the emissions from the test item were within the specification limit.

SPURIOUS EMISSION LEVEL (dBm)								
Harmonic	Ch. 25 Freq. (MHz)	Level [dBm]	Harmonic	Ch. 600 Freq. (MHz)	Level [dBm]	Harmonic	Ch. 1175 Freq. (MHz)	Level [dBm]
2	3702.4	-	2	3760	-	2	3816.4	-
3	5553.6	-	3	5640	-	3	5724.6	-
4	7404.8	-	4	7520	-	4	7632.8	-
5	9256.0	-	5	9400	-	5	9541.0	-
6	11107.2	-	6	11280	-	6	11449.2	-
7	12958.4	-	7	13160	-	7	13357.4	-
8	14809.6	-	8	15040	-	8	15265.6	-
9	16660.8	-	9	16920	-	9	17173.8	-
10	18512.0	-	10	18800	-	10	19082.0	-
Measurement uncertainty					± 3dB			

**Result: Passed**

**Plots: Loopback-mode**

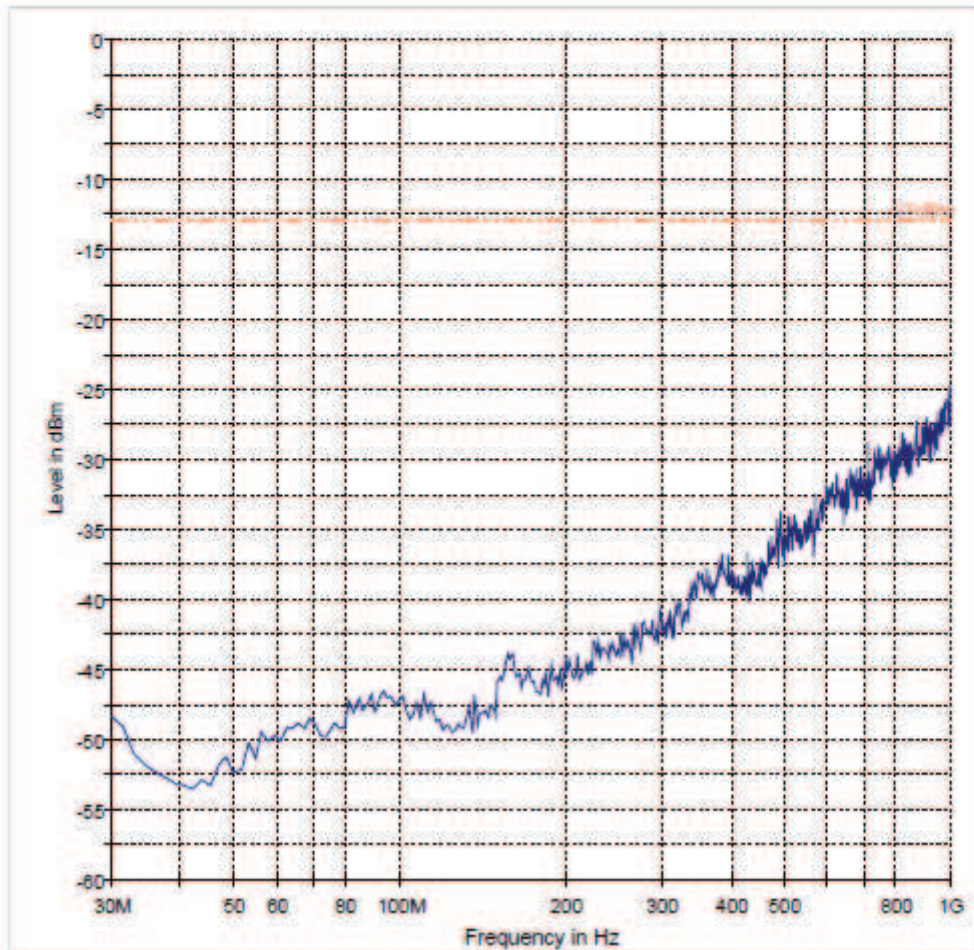
Plot 1: Channel 25 (30 MHz - 1 GHz)

**EUT Information**

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL, due to measurement uncertainty considerations.*

FCC 24 30-1000MHz



-13dBm      Preview Result 1-PK+

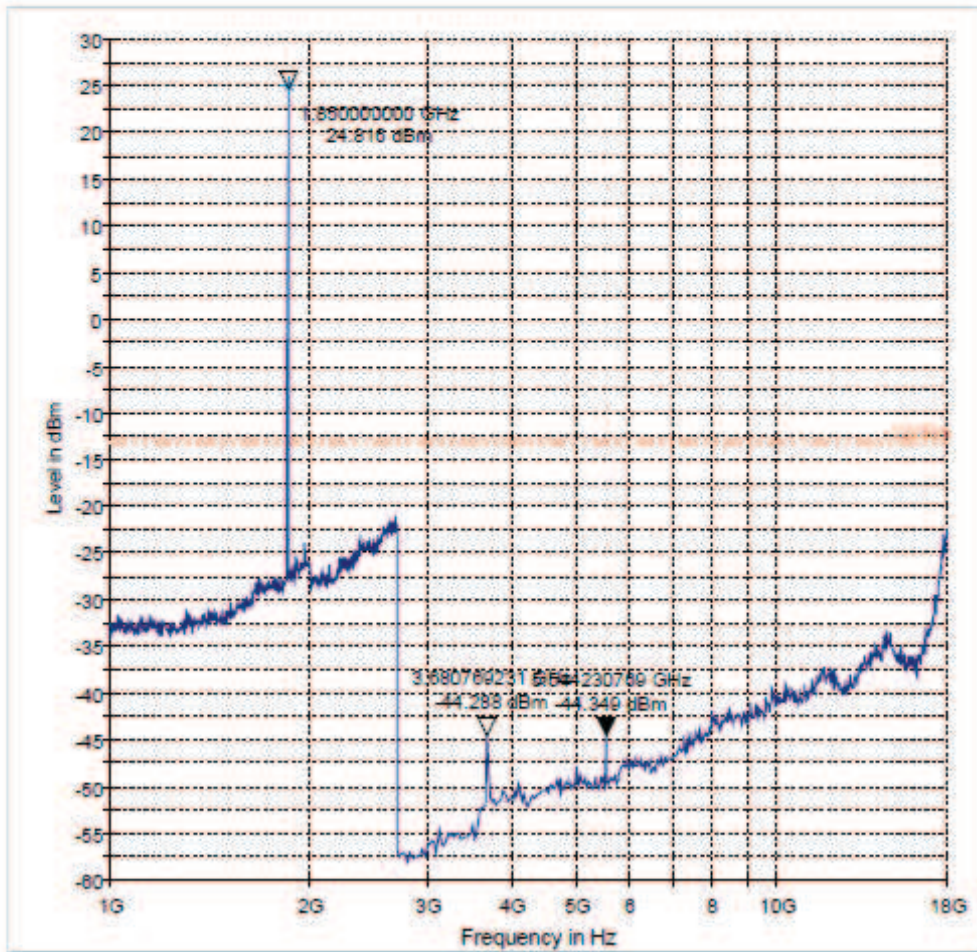
Plot 2: Channel 25 (1 GHz – 18 GHz)

**EUT Information**

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0609-3919-8748
Model #:	SN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 1-19GHz



----- -13dBm    
 — Preview Result 1-PK+    
 + Data Reduction Result 1 [2]-PK+

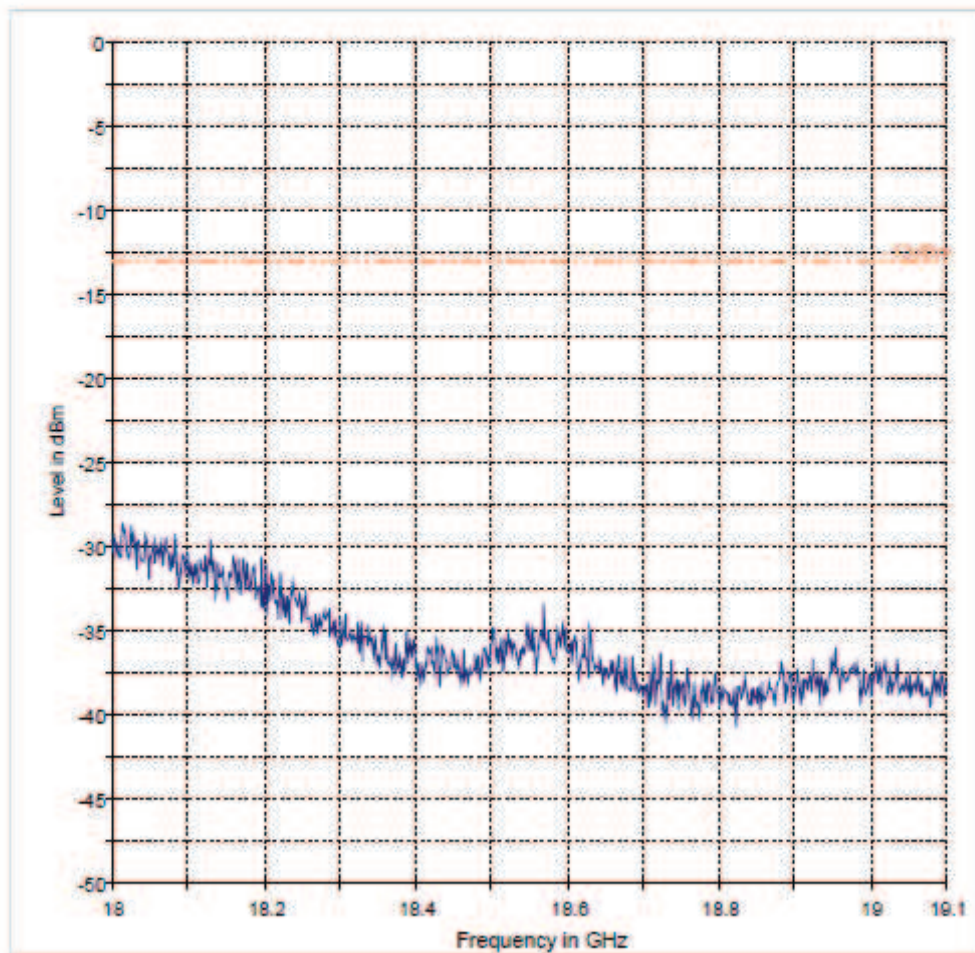
Plot 3: Channel 25 (18 GHz – 19.1 GHz)

**EUT Information**

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL, due to measurement uncertainty considerations.*

FCC 24 18-19.1GHz



— -13dBm    — Preview Result 1-PK+

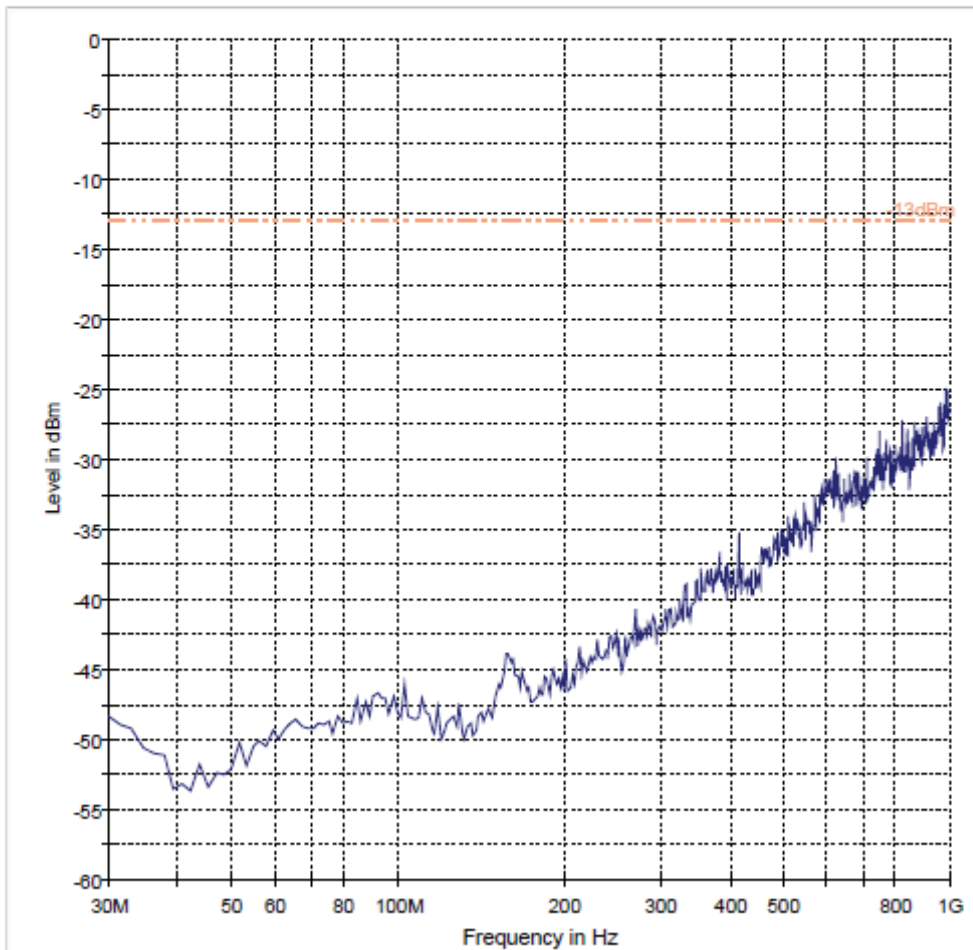
Plot 4: Channel 600 (30 MHz - 1 GHz)

**EUT Information**

EUT Name: BlackBerry Q10  
Manufacturer: BlackBerry  
Serial Number: 0809-3919-8748  
Model #: SQN100-2  
O/S: 127.0.1.4318  
Comment: internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 30-1000MHz



----- -13dBm      ——— Preview Result 1-PK+

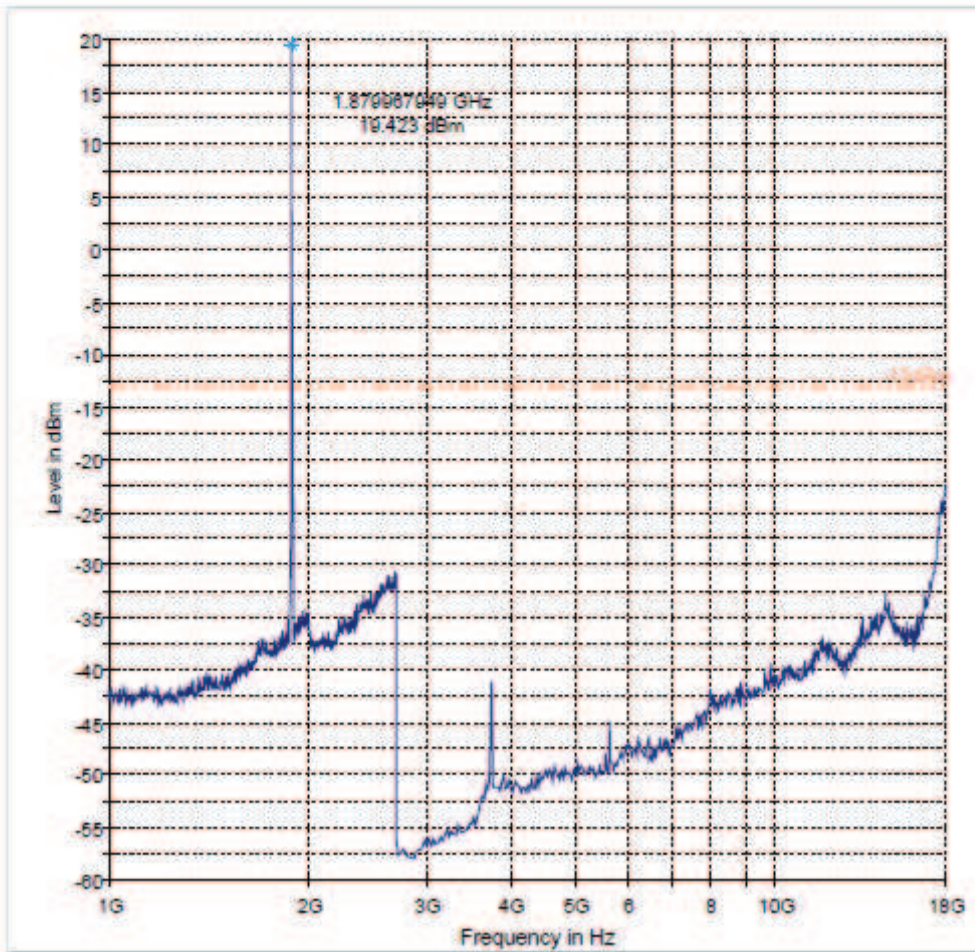
Plot 5: Channel 600 (1 GHz – 18 GHz)

**EUT Information**

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 1-18GHz





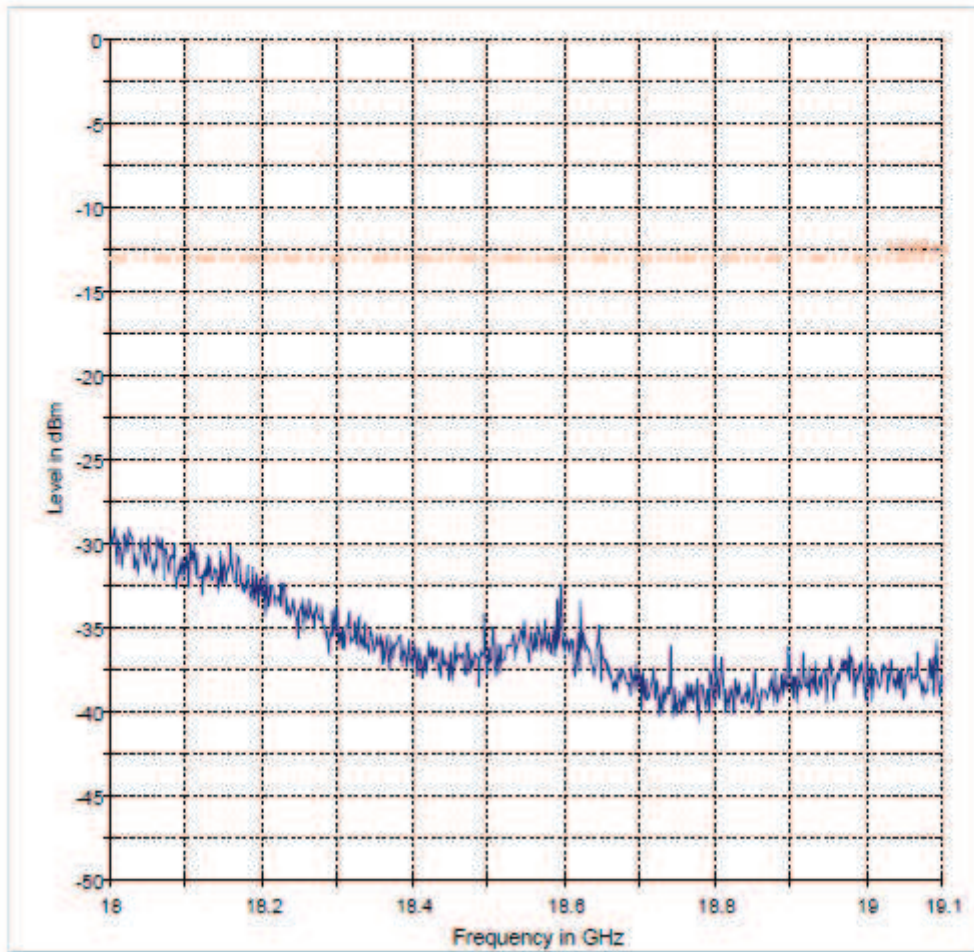
Plot 6: Channel 600 (18 GHz – 19.1 GHz)

### EUT Information

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0609-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 18-19.1GHz



----- -13dBm      ——— Preview Result 1-PK+

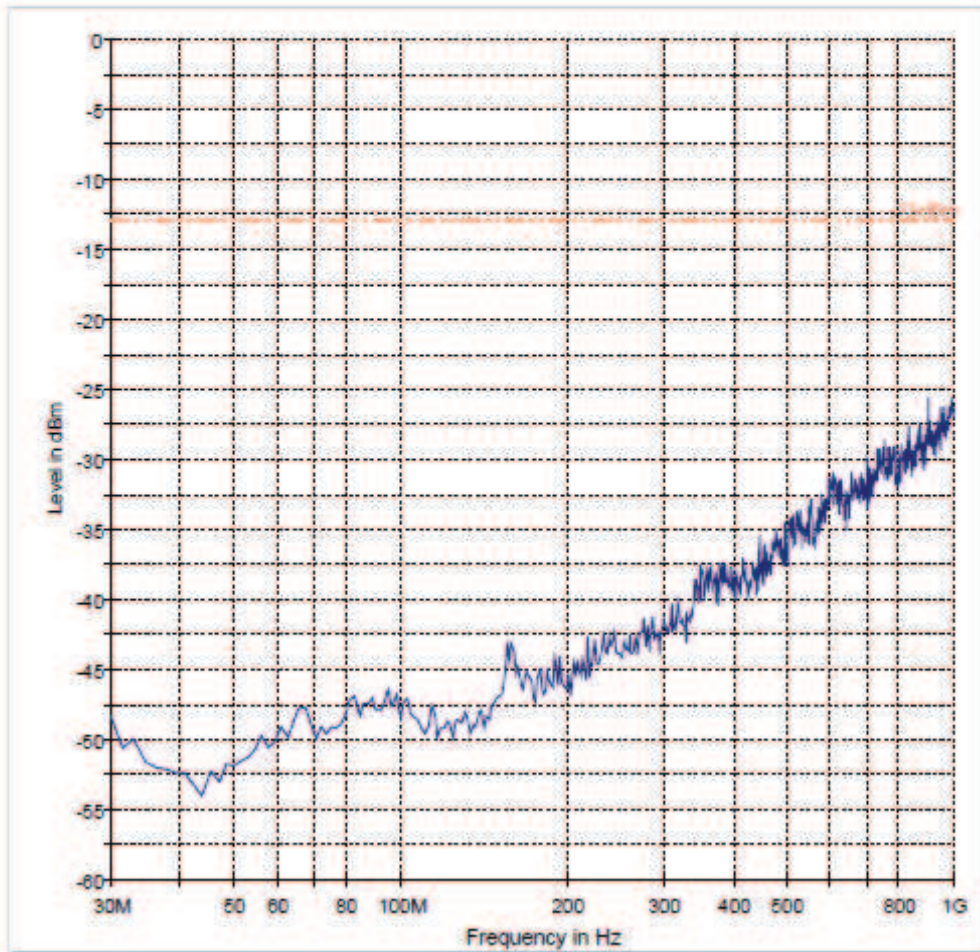
Plot 7: Channel 1175 (30 MHz - 1 GHz)

### EUT Information

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 30-1000MHz



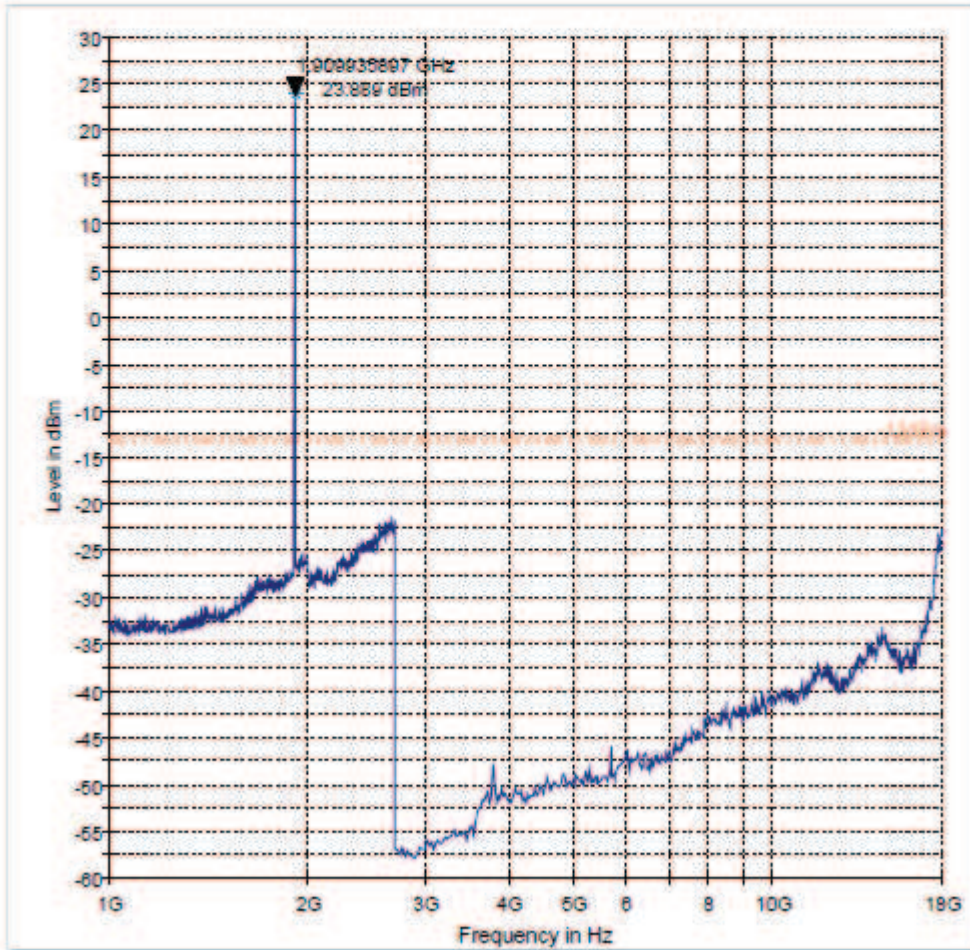
Plot 8: Channel 1175 (1 GHz – 18 GHz)

### EUT Information

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 1-18GHz



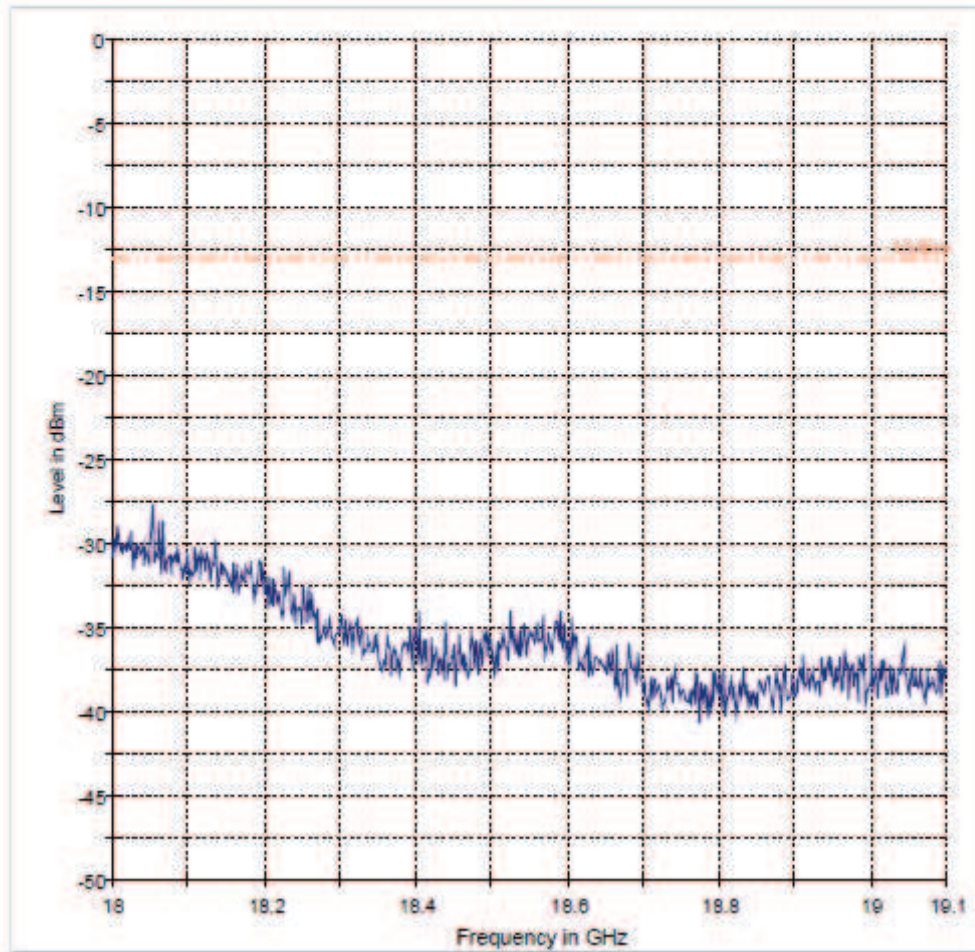
Plot 9: Channel 1175 (18 GHz – 19.1 GHz)

### EUT Information

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 18-19.1GHz



----- -13dBm      ——— Preview Result 1-PK+

**Plots: Test data-mode**

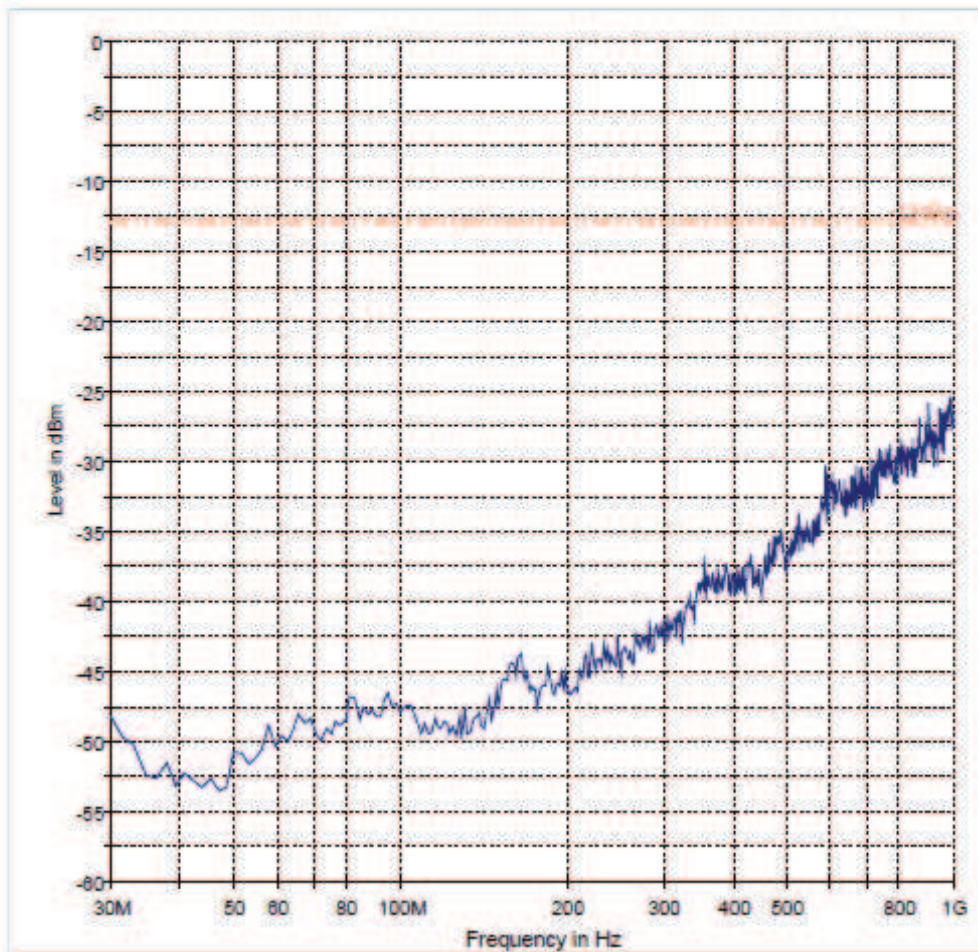
Plot 1: Channel 25 (30 MHz - 1 GHz)

**EUT Information**

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL, due to measurement uncertainty considerations.*

FCC 24 30-1000MHz



-13dBm      Preview Result 1-PK+

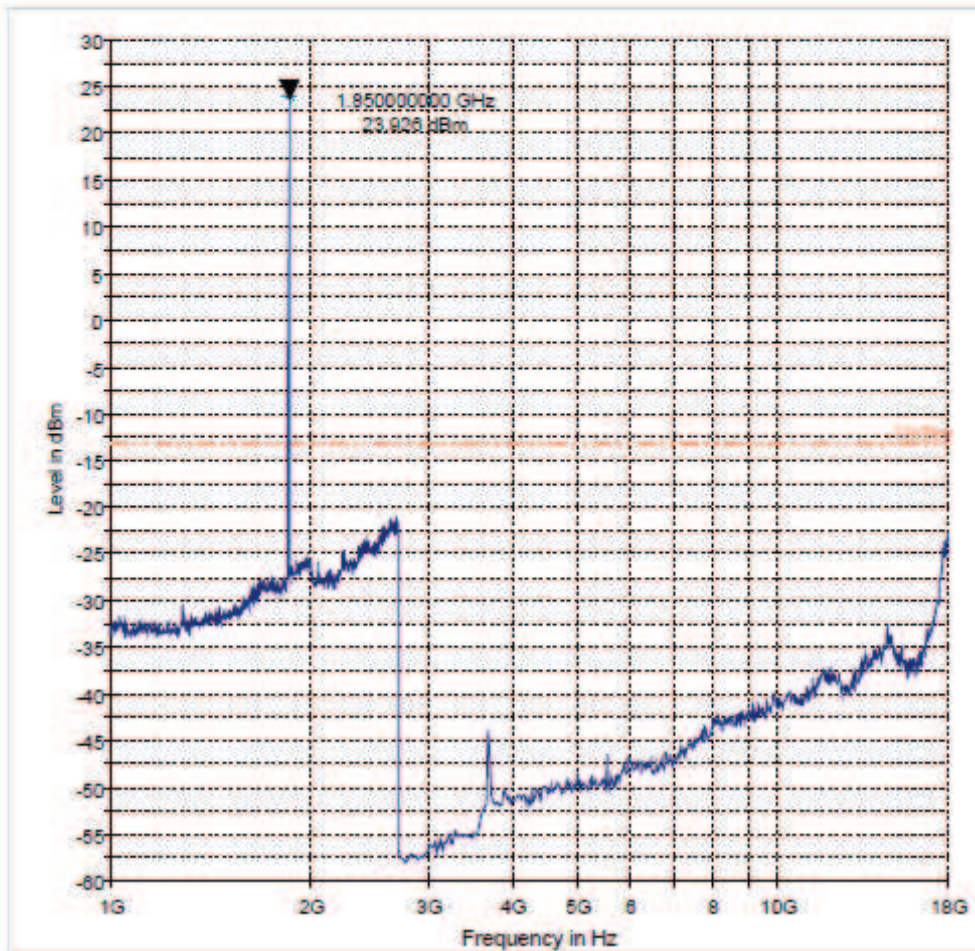
Plot 2: Channel 25 (1 GHz – 18 GHz)

EUT Information

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0609-3919-8748
Model #:	SGN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 1-18GHz



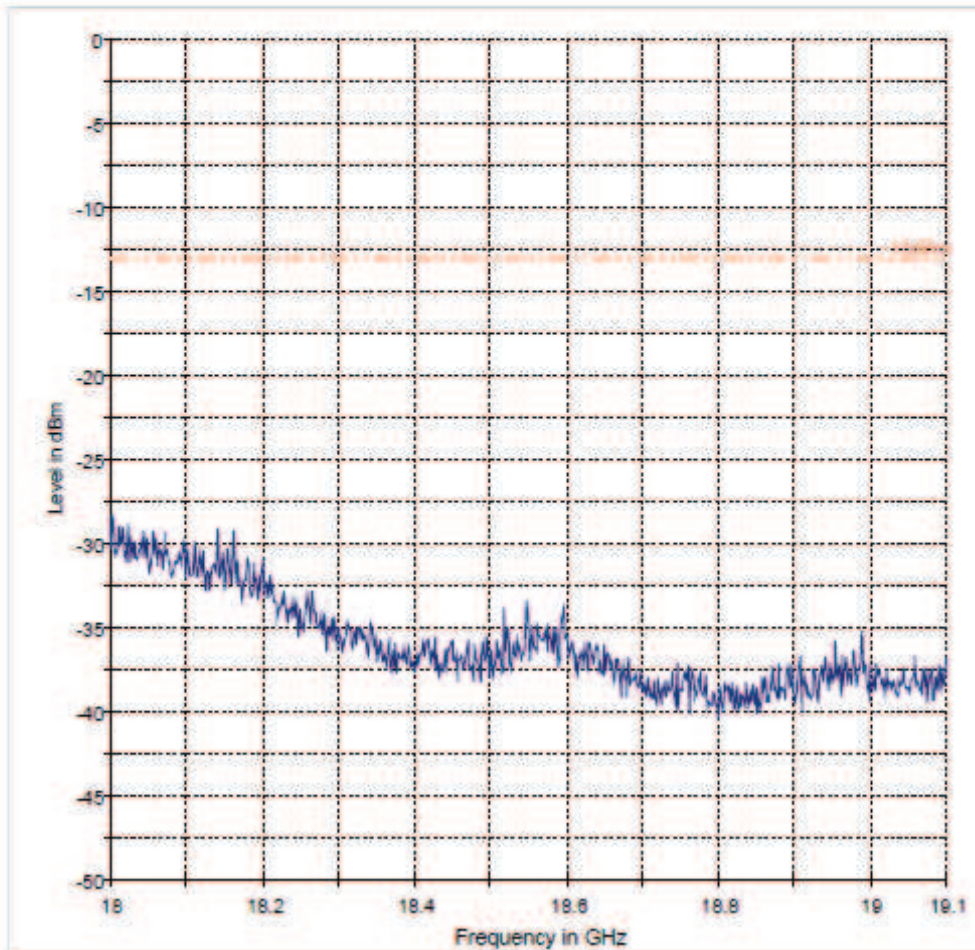
Plot 3: Channel 25 (18 GHz – 19.1 GHz)

**EUT Information**

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0609-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 18-19.1GHz



--- -13dBm      — Preview Result 1-PK+

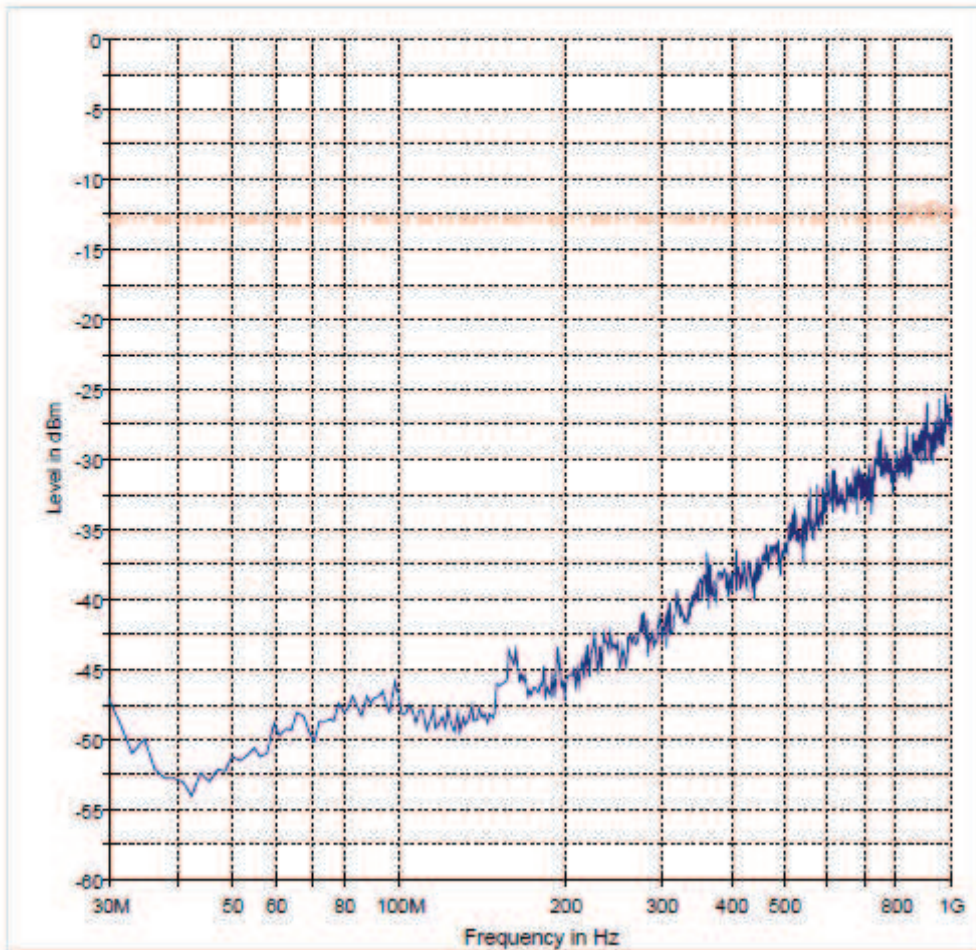
Plot 4: Channel 600 (30 MHz - 1 GHz)

### EUT Information

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 30-1000MHz



----- -13dBm      ——— Preview Result 1-PK+



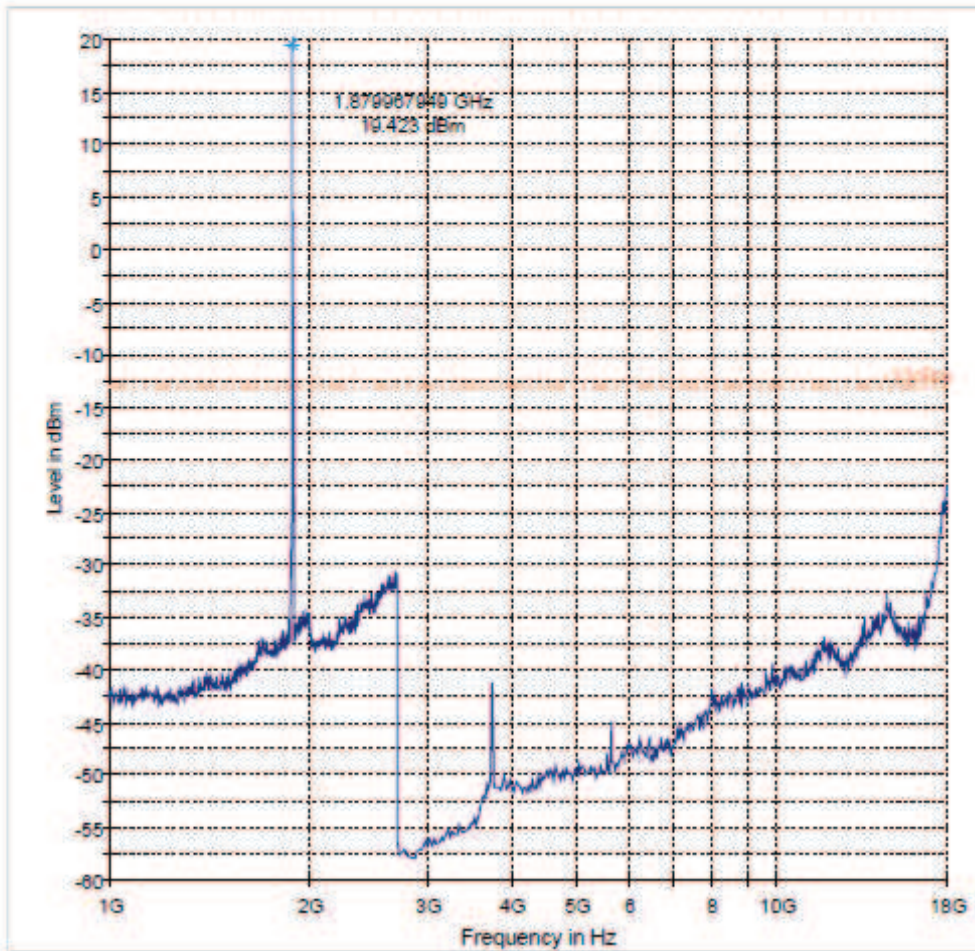
Plot 5: Channel 600 (1 GHz – 18 GHz)

### EUT Information

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0609-3919-8748
Model #:	SON100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FOC 24 1-18GHz



— -13dBm    — Preview Result 1-PK+    \* Data Reduction Result 1 [2]-PK+

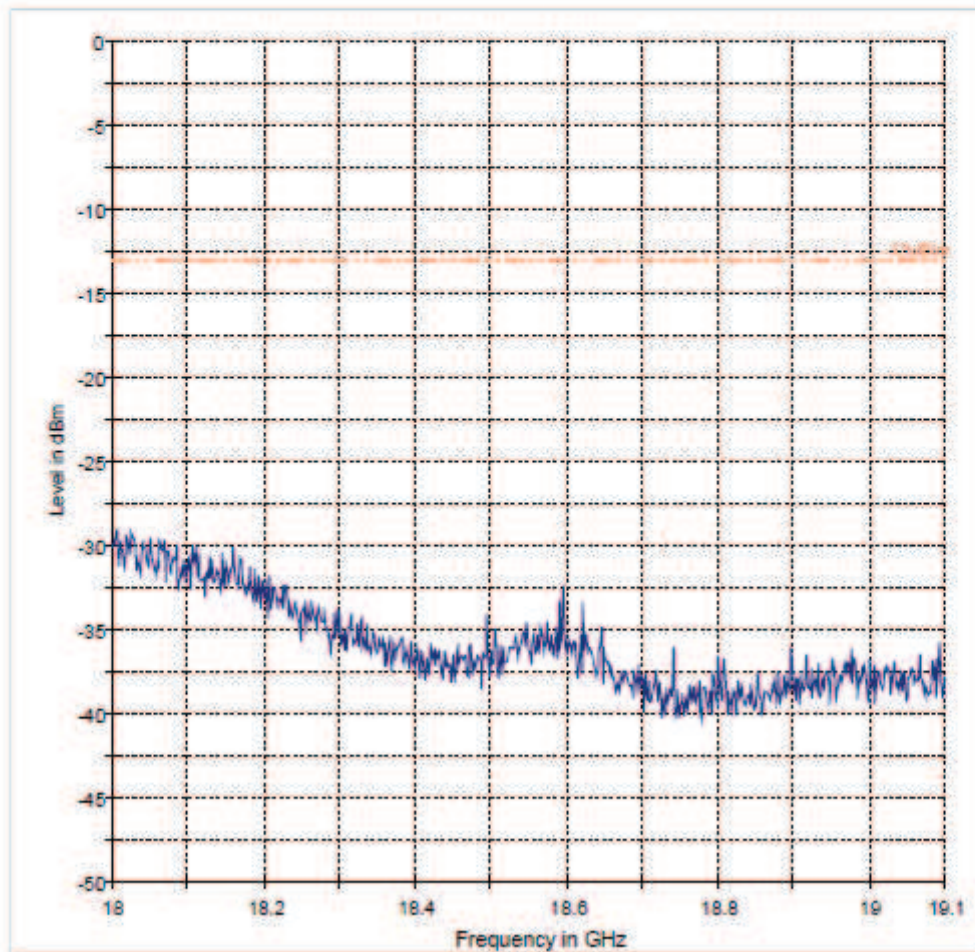
Plot 6: Channel 600 (18 GHz – 19.1 GHz)

**EUT Information**

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0809-3919-8748
Model #:	SGN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 18-19.1GHz



-13dBm    Preview Result 1-PK+

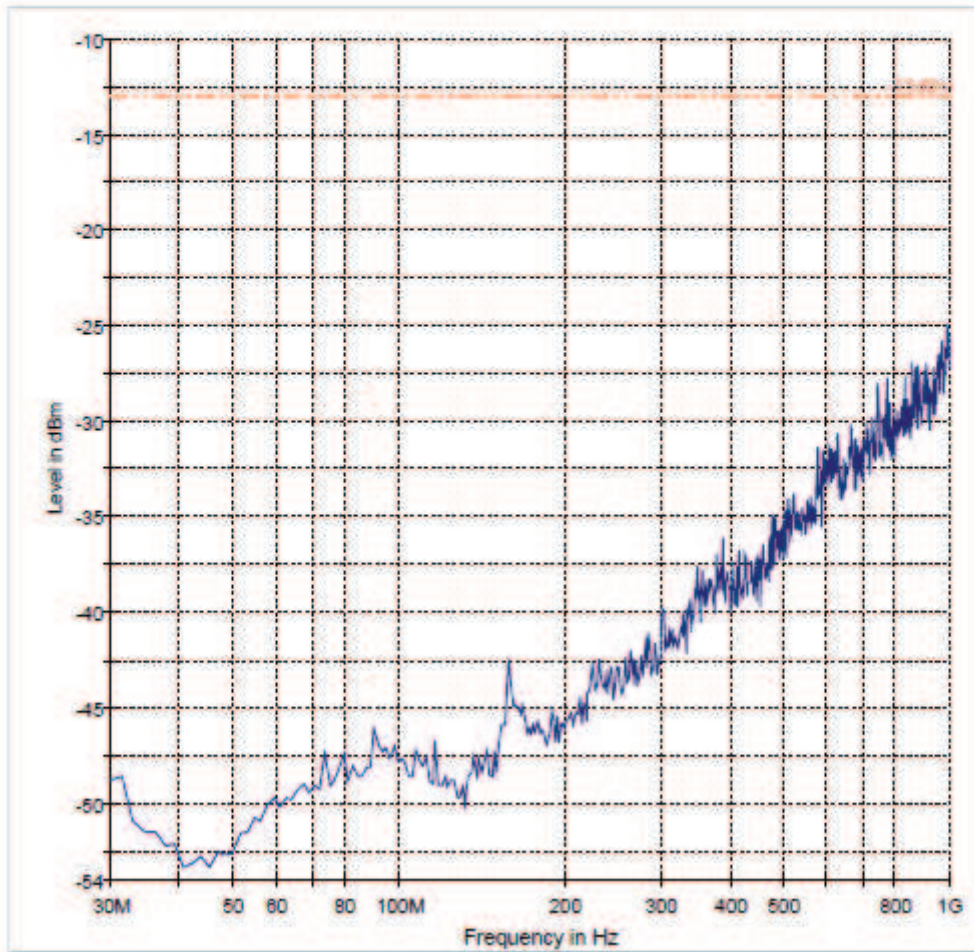
Plot 7: Channel 1175 (30 MHz - 1 GHz)

### EUT Information

EUT Name:	BlackBerry Q10
Manufacturer:	BlackBerry
Serial Number:	0609-3919-8748
Model #:	SQN100-2
O/S:	127.0.1.4318
Comment:	internal battery

*Disclaimer: Any measurement data within 2dB from the limit line is conditional PASS/FAIL due to measurement uncertainty considerations.*

FCC 24 30-1000MHz



----- -13dBm      ——— Preview Result 1-PK+