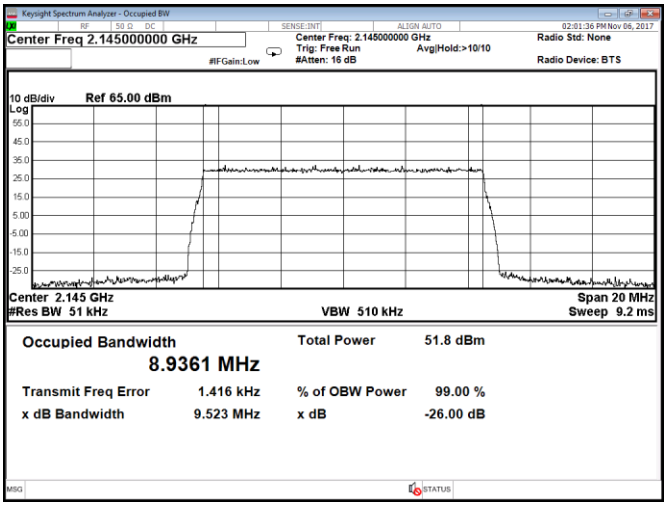


Figure 8.5-17: *Occupied bandwidth, QPSK, LTE, 10 MHz, Port B, mid channel*

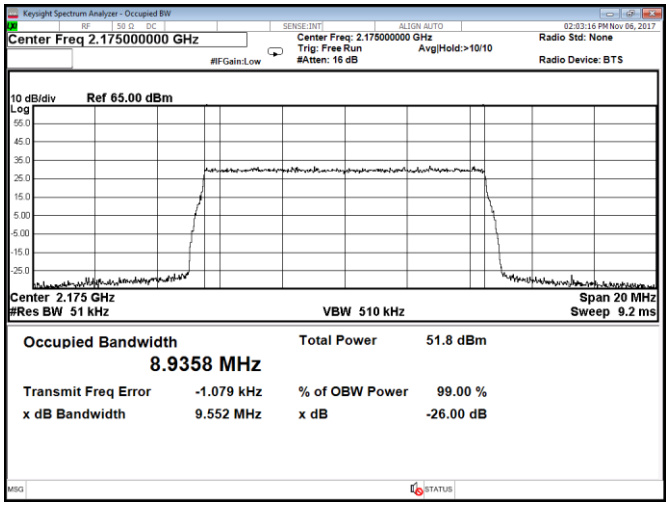


Figure 8.5-18: *Occupied bandwidth, QPSK, LTE, 10 MHz, Port B, high channel*

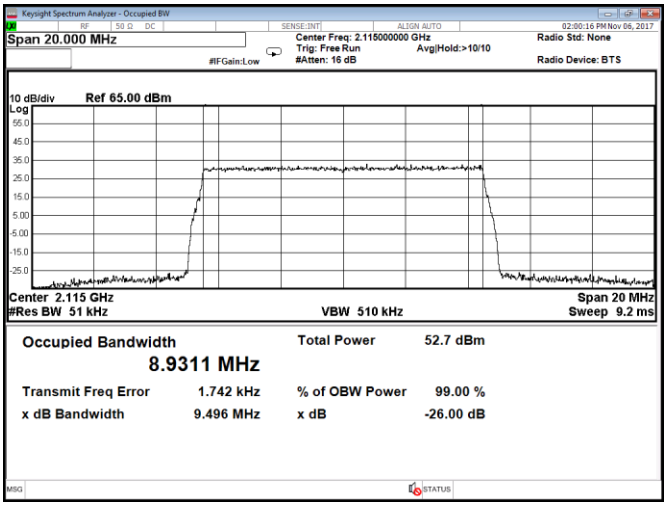


Figure 8.5-19: *Occupied bandwidth, QPSK, LTE, 10 MHz, Port C, low channel*

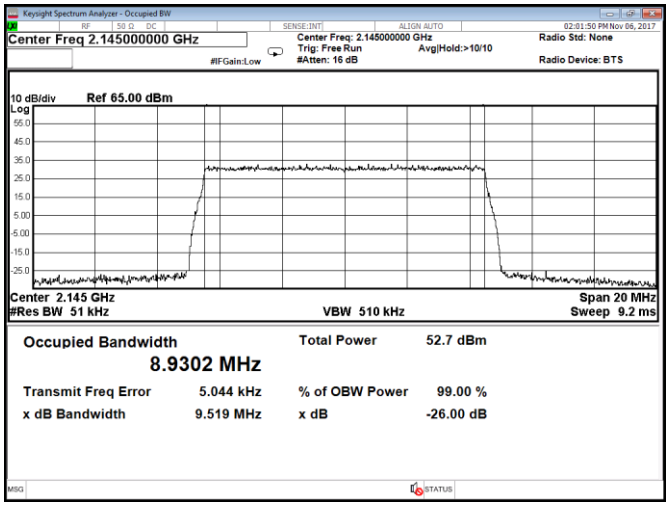


Figure 8.5-20: *Occupied bandwidth, QPSK, LTE, 10 MHz, Port C, mid channel*

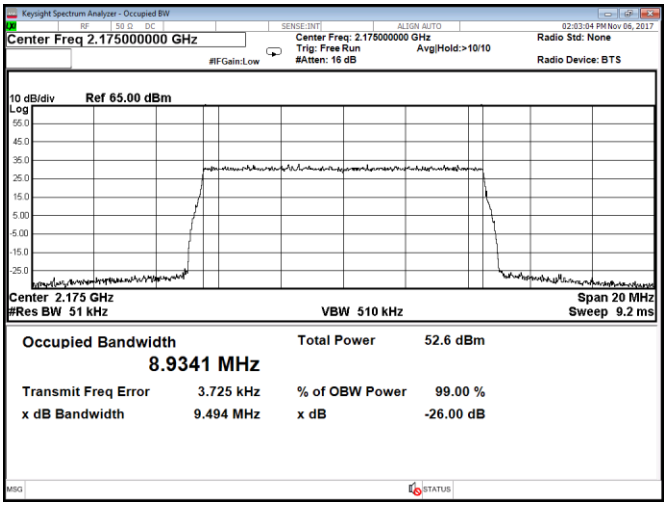


Figure 8.5-21: *Occupied bandwidth, QPSK, LTE, 10 MHz, Port C, high channel*

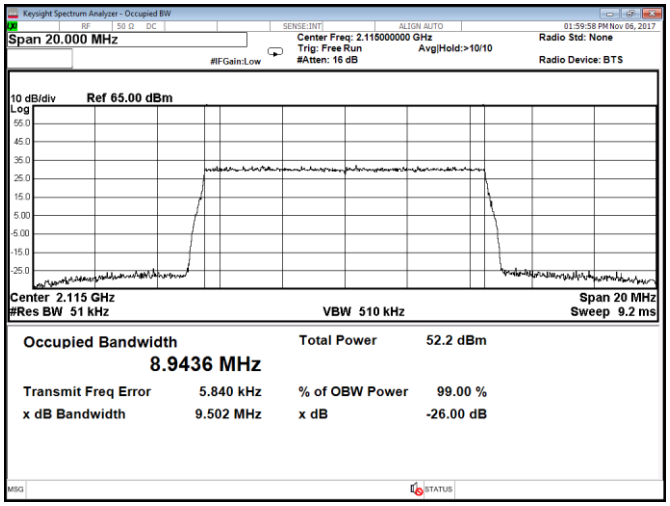


Figure 8.5-22: *Occupied bandwidth, QPSK, LTE, 10 MHz, Port D, low channel*

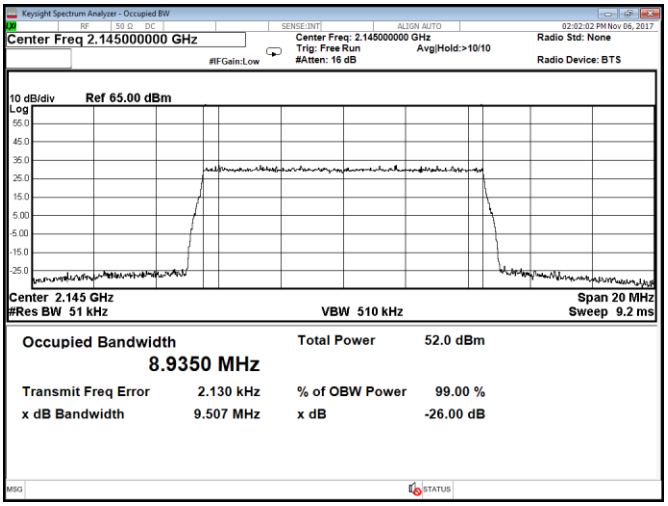


Figure 8.5-23: *Occupied bandwidth, QPSK, LTE, 10 MHz, Port D, mid channel*

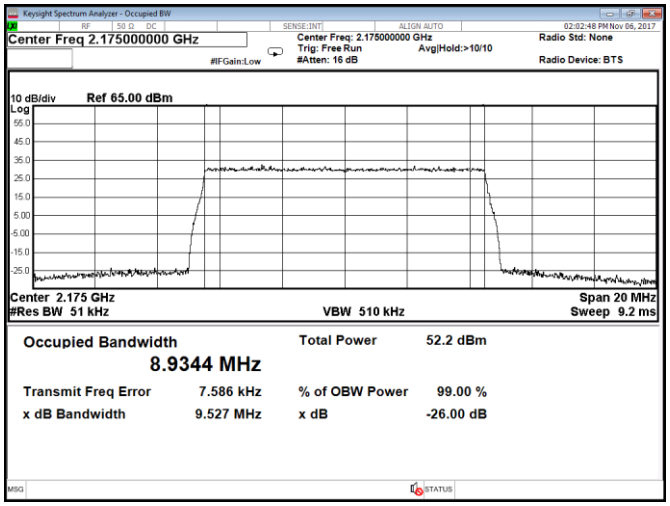


Figure 8.5-24: *Occupied bandwidth, QPSK, LTE, 10 MHz, Port D, high channel*

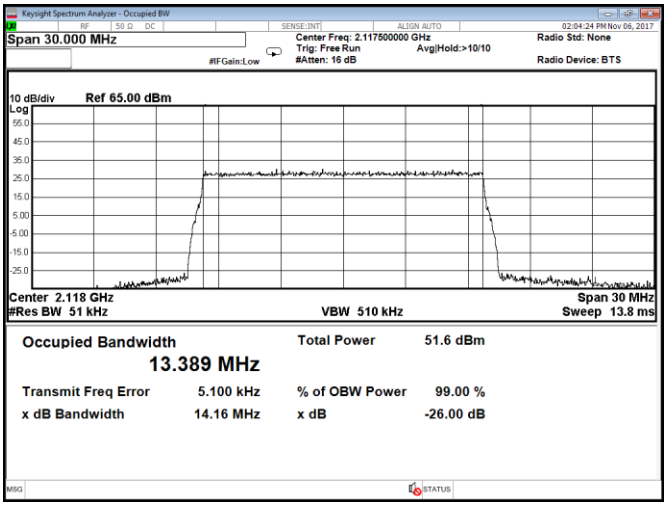


Figure 8.5-25: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port A, low channel*

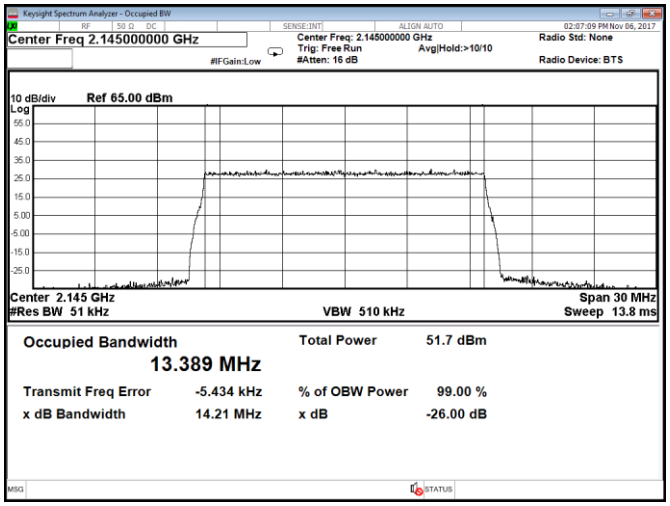


Figure 8.5-26: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port A, mid channel*

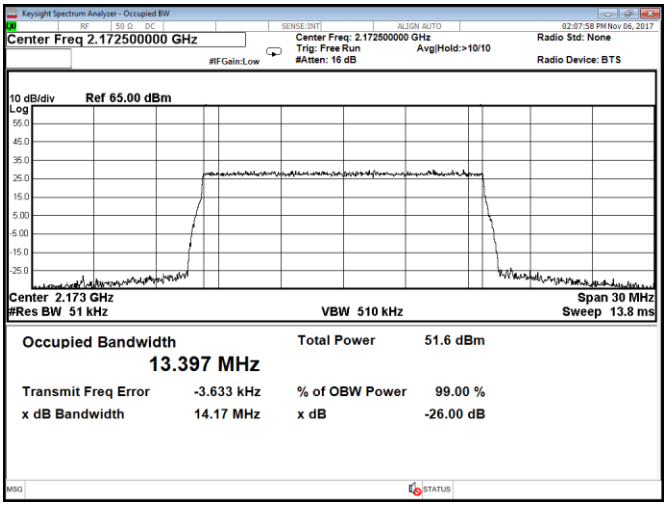


Figure 8.5-27: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port A, high channel*

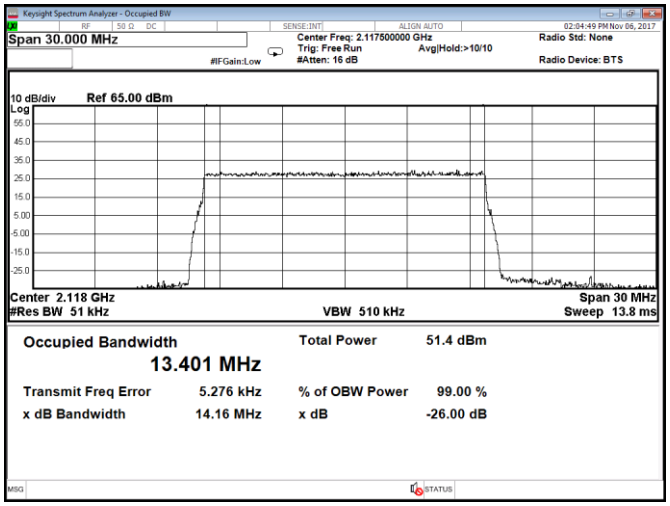


Figure 8.5-28: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port B, low channel*

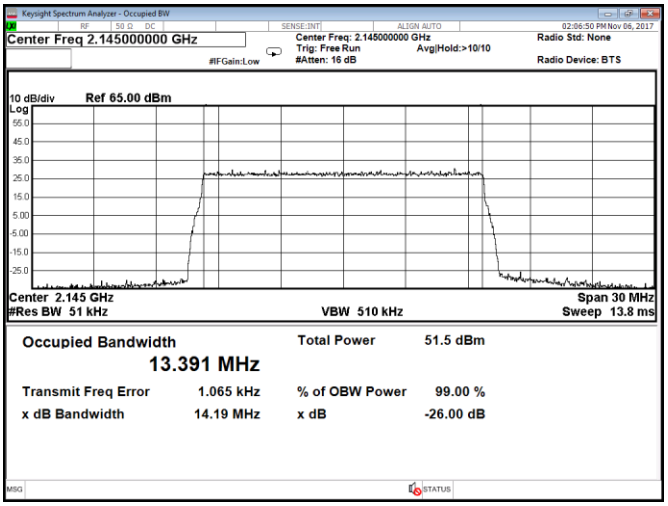


Figure 8.5-29: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port B, mid channel*

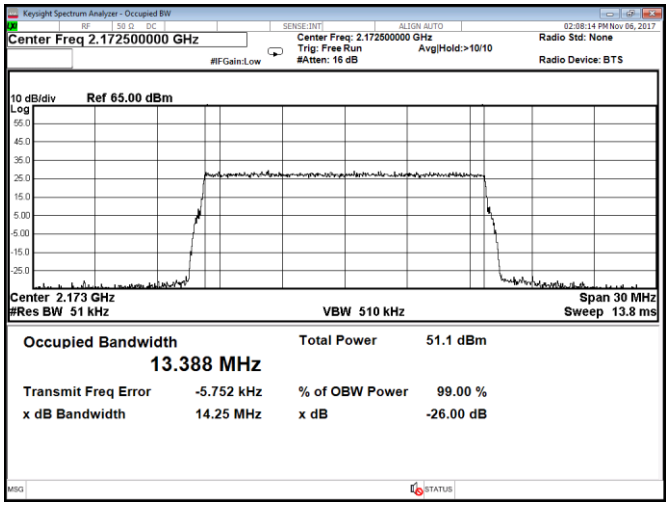


Figure 8.5-30: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port B, high channel*

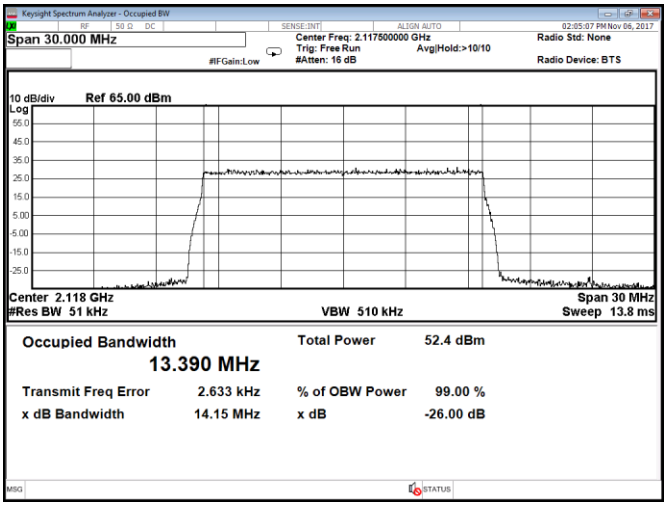


Figure 8.5-31: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port C, low channel*

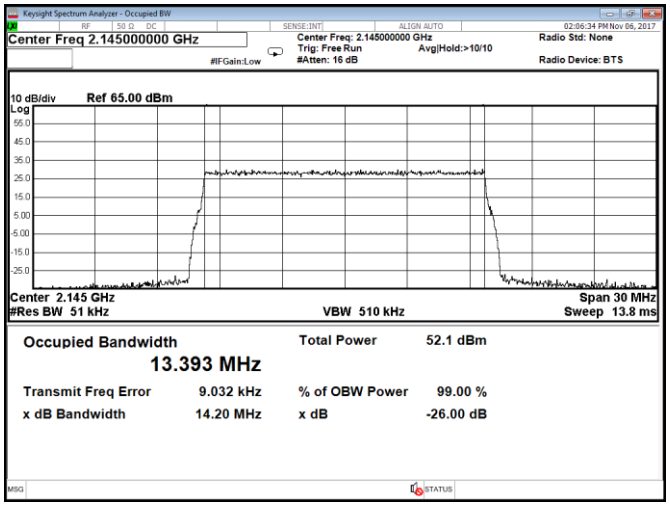


Figure 8.5-32: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port C, mid channel*

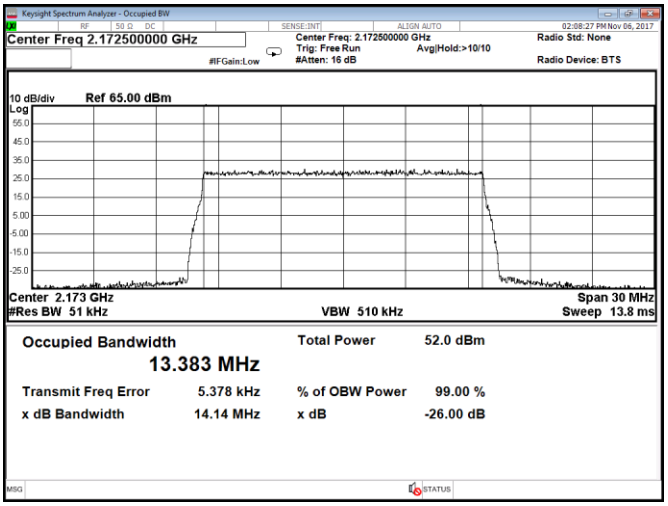


Figure 8.5-33: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port C, high channel*

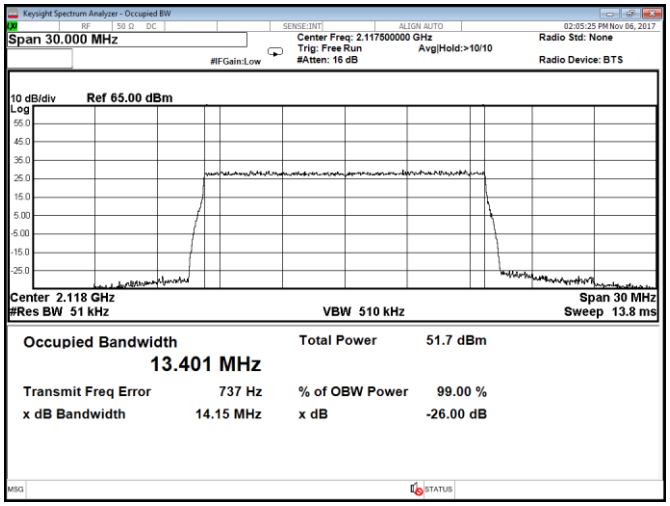


Figure 8.5-34: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port D, low channel*

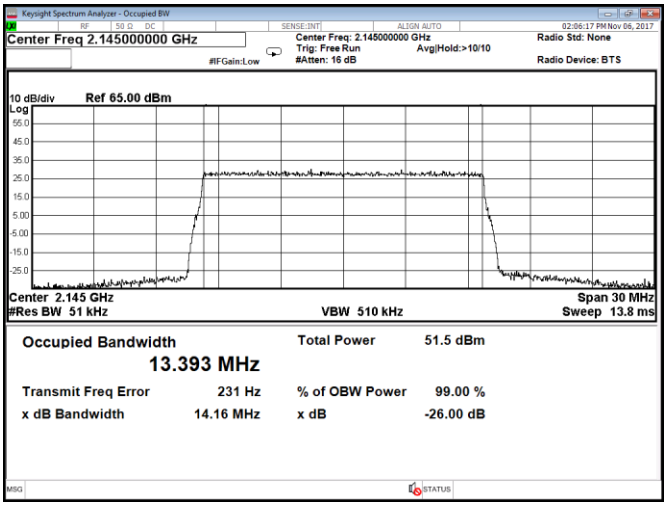


Figure 8.5-35: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port D, mid channel*

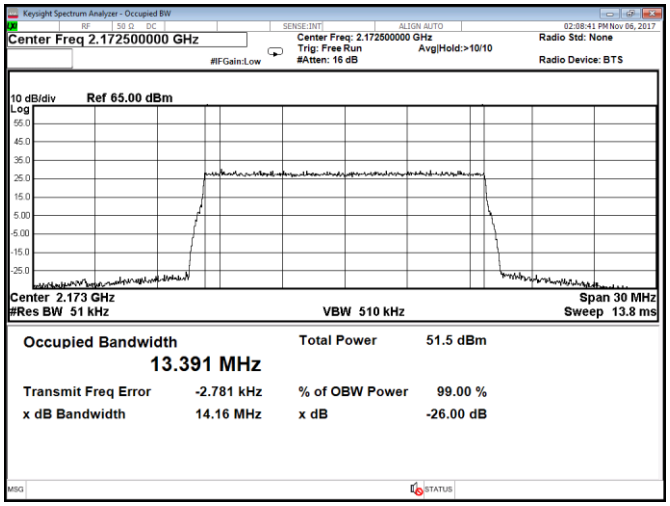


Figure 8.5-36: *Occupied bandwidth, QPSK, LTE, 15 MHz, Port D, high channel*

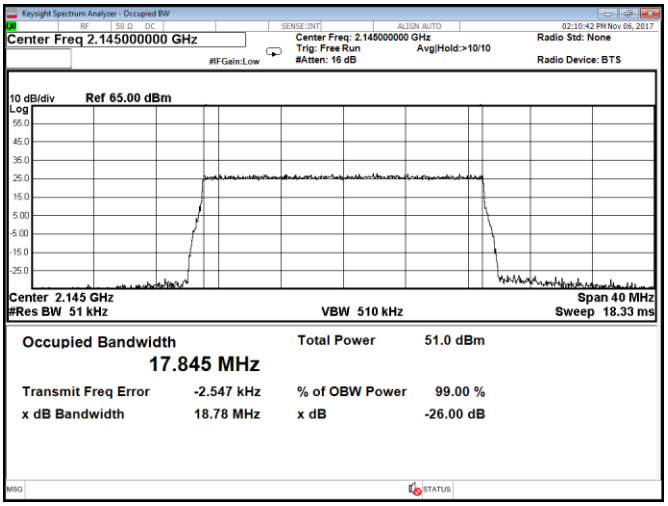


Figure 8.5-37: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port A, low channel*

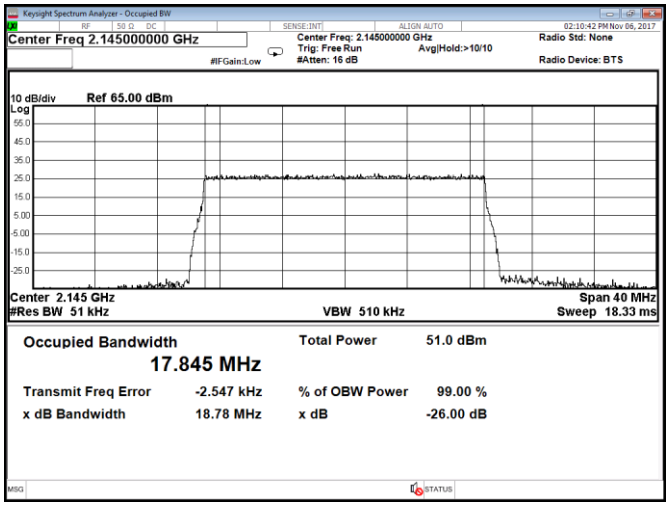


Figure 8.5-38: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port A, mid channel*

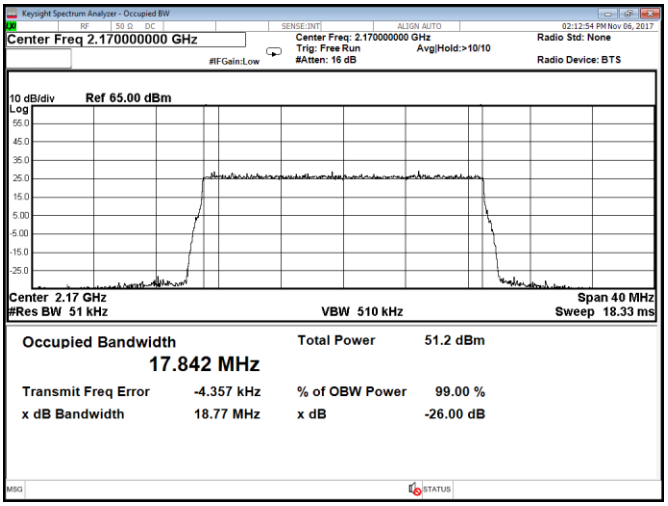


Figure 8.5-39: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port A, high channel*

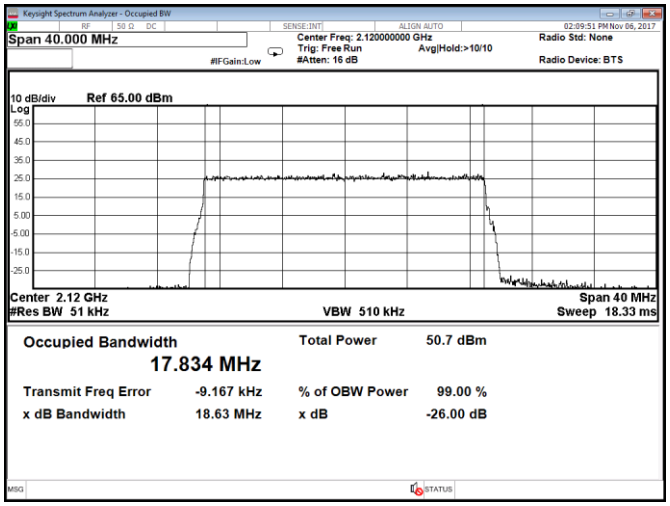


Figure 8.5-40: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port B, low channel*

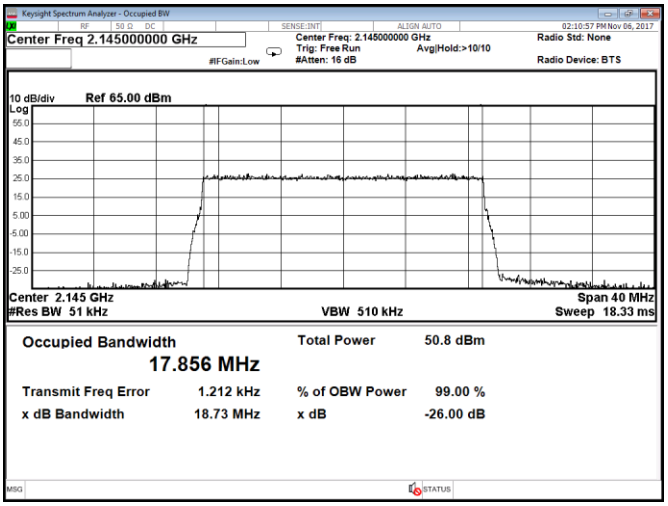


Figure 8.5-41: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port B, mid channel*

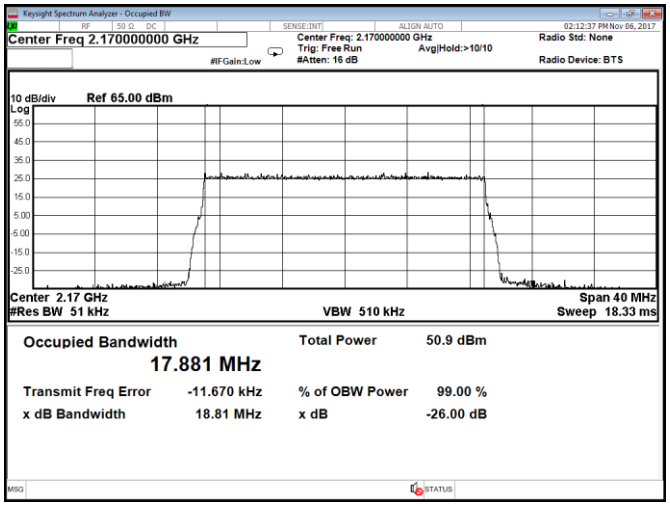


Figure 8.5-42: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port B, high channel*

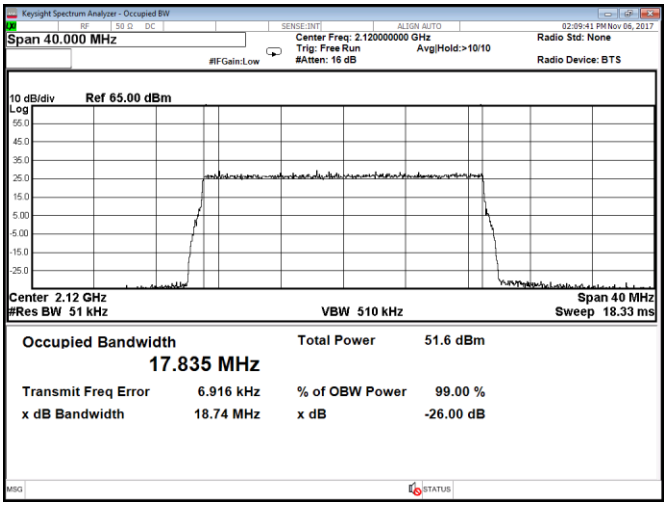


Figure 8.5-43: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port C, low channel*

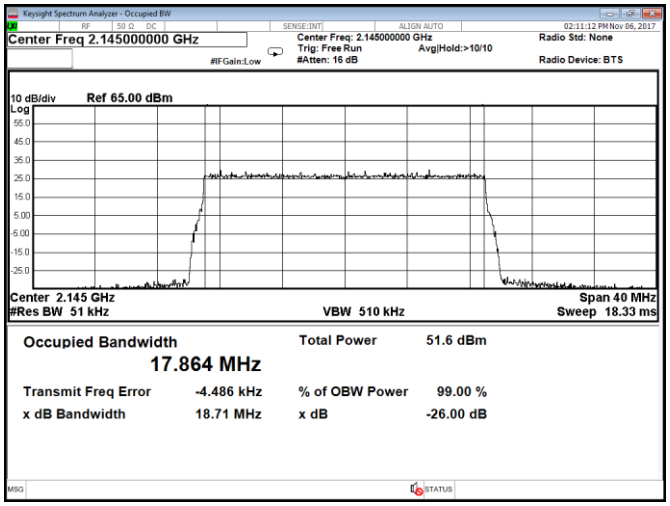


Figure 8.5-44: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port C, mid channel*

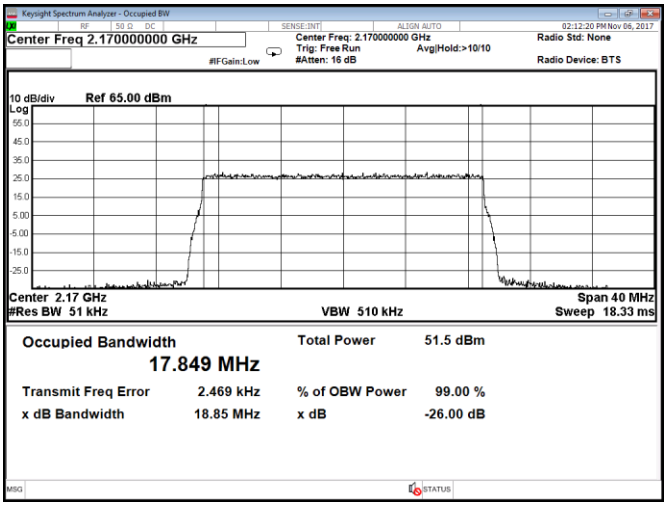


Figure 8.5-45: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port C, high channel*

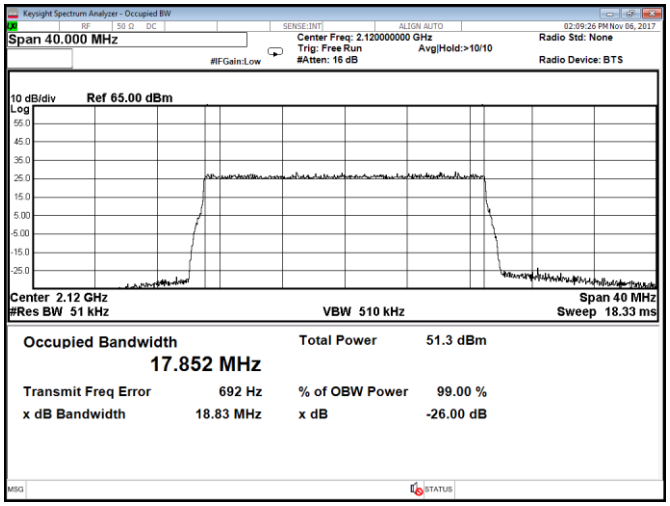


Figure 8.5-46: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port D, low channel*

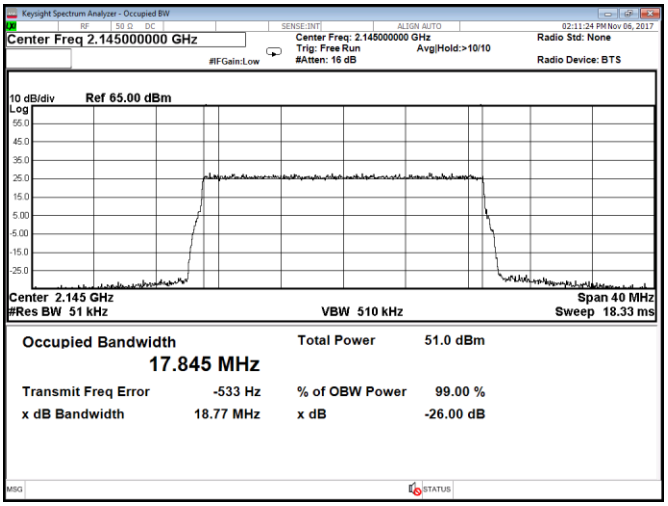


Figure 8.5-47: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port D, mid channel*

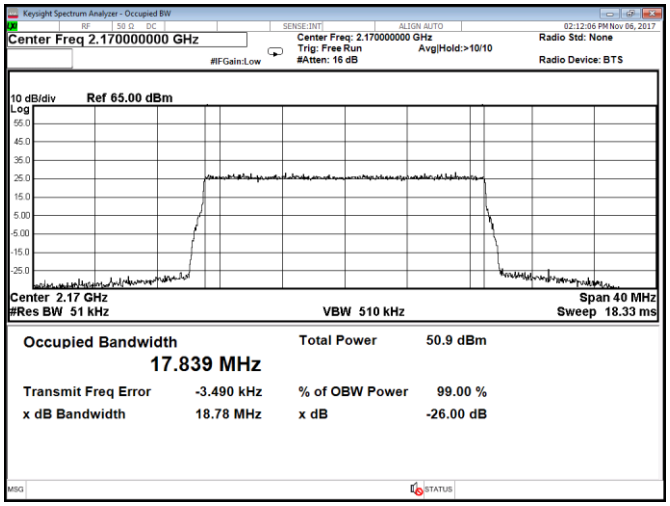


Figure 8.5-48: *Occupied bandwidth, QPSK, LTE, 20 MHz, Port D, high channel*

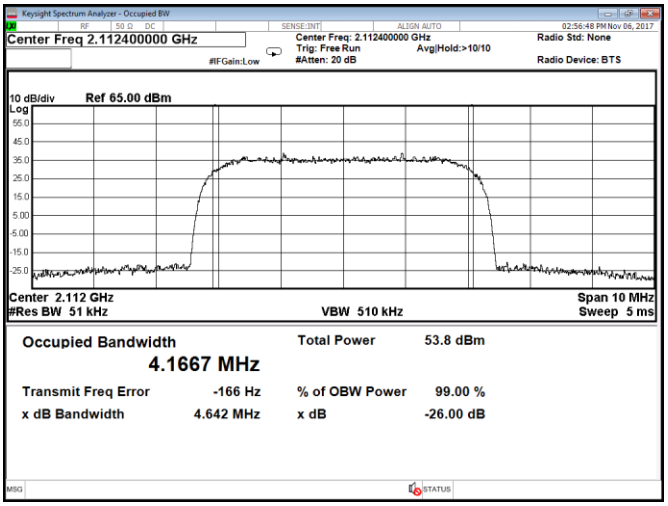


Figure 8.5-49: *Occupied bandwidth, QPSK, WCDMA, Port A, low channel*

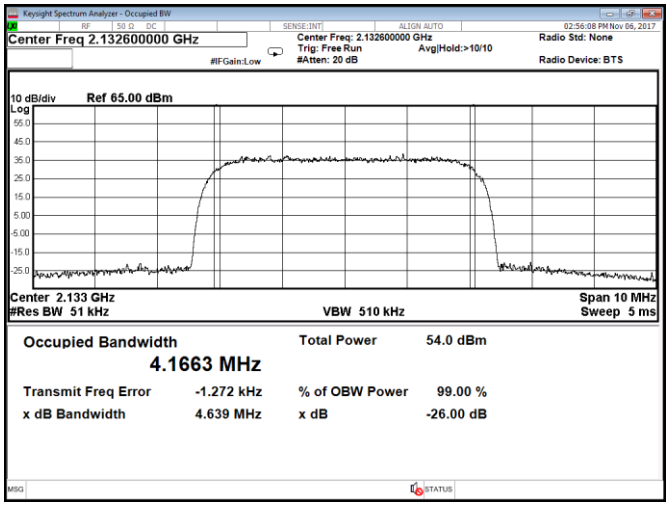


Figure 8.5-50: *Occupied bandwidth, QPSK, WCDMA, Port A, mid channel*

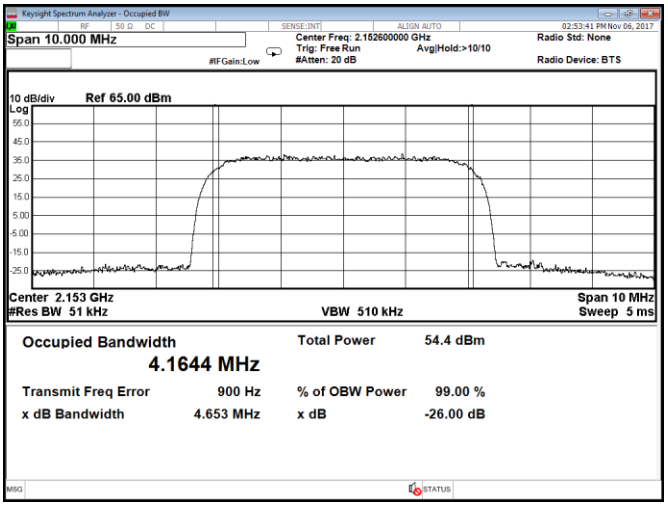


Figure 8.5-51: *Occupied bandwidth, QPSK, WCDMA, Port A, high channel*

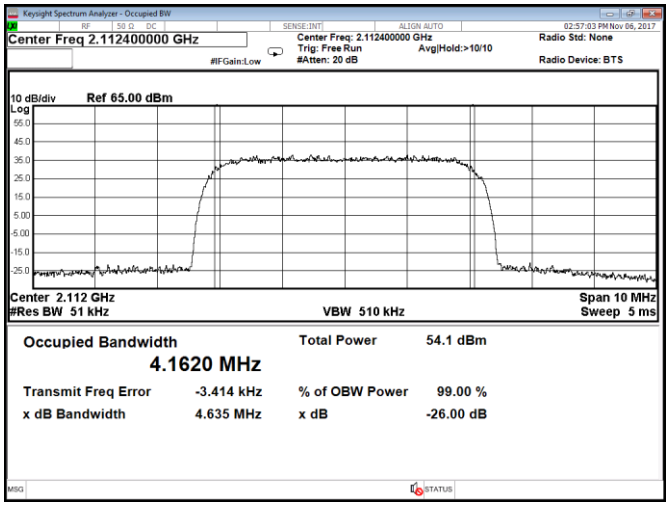


Figure 8.5-52: *Occupied bandwidth, QPSK, WCDMA, Port B, low channel*

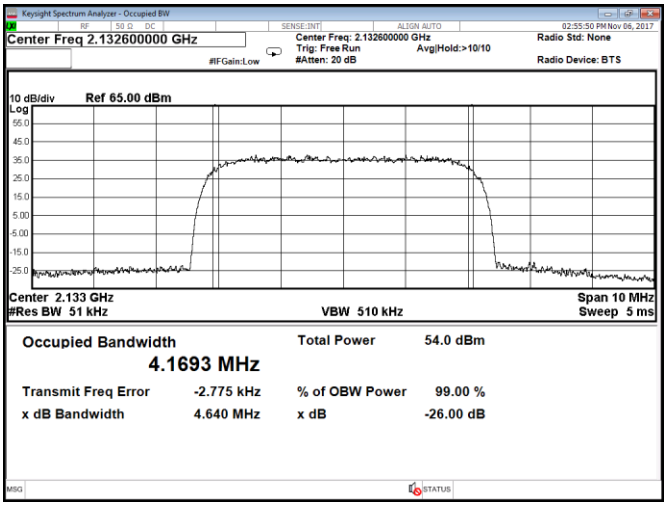


Figure 8.5-53: *Occupied bandwidth, QPSK, WCDMA, Port B, mid channel*

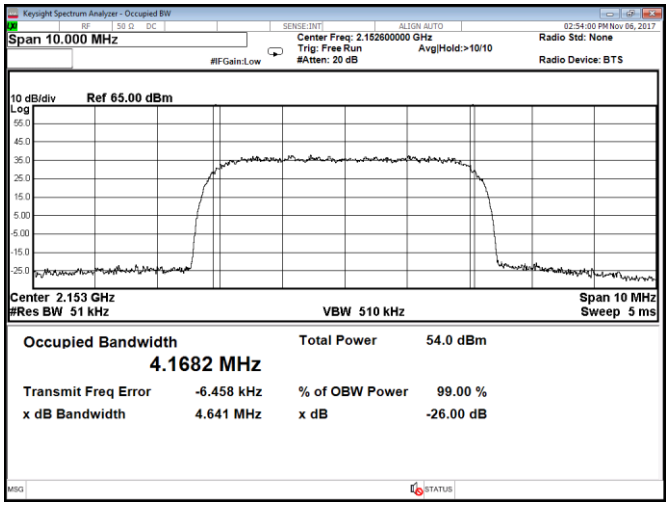


Figure 8.5-54: *Occupied bandwidth, QPSK, WCDMA, Port B, high channel*

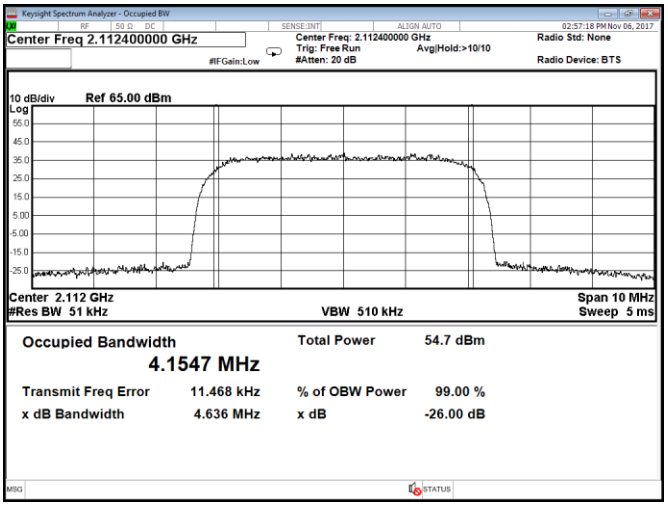


Figure 8.5-55: *Occupied bandwidth, QPSK, WCDMA, Port C, low channel*

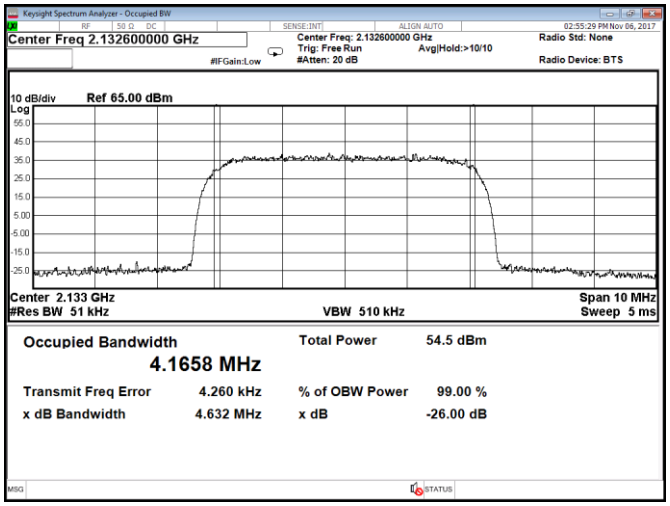


Figure 8.5-56: *Occupied bandwidth, QPSK, WCDMA, Port C, mid channel*

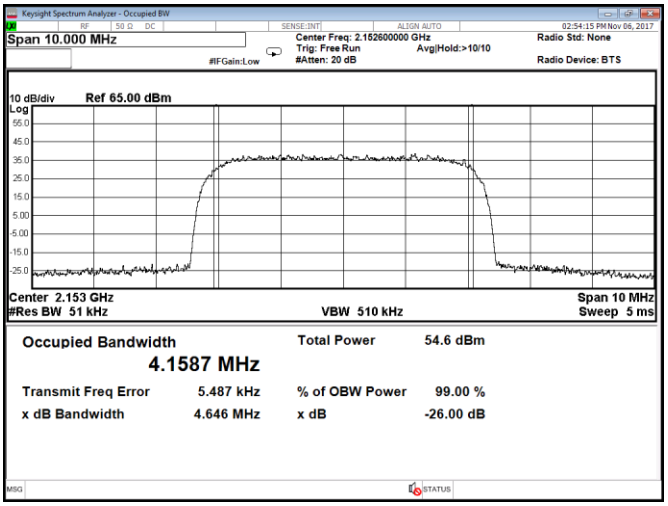


Figure 8.5-57: *Occupied bandwidth, QPSK, WCDMA, Port C, high channel*

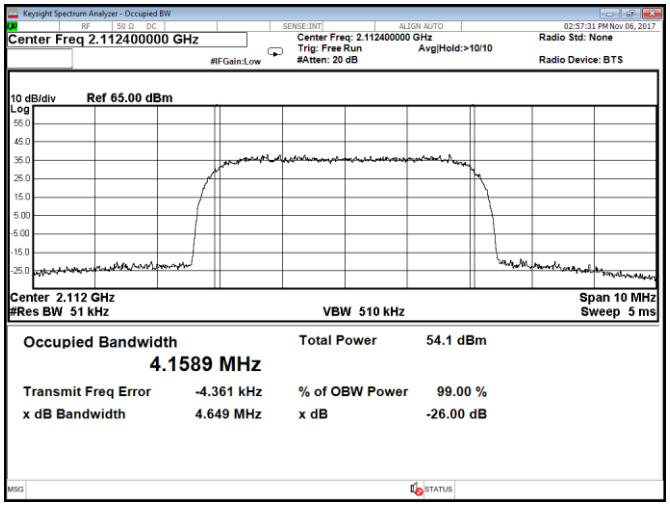


Figure 8.5-58: *Occupied bandwidth, QPSK, WCDMA, Port D, low channel*

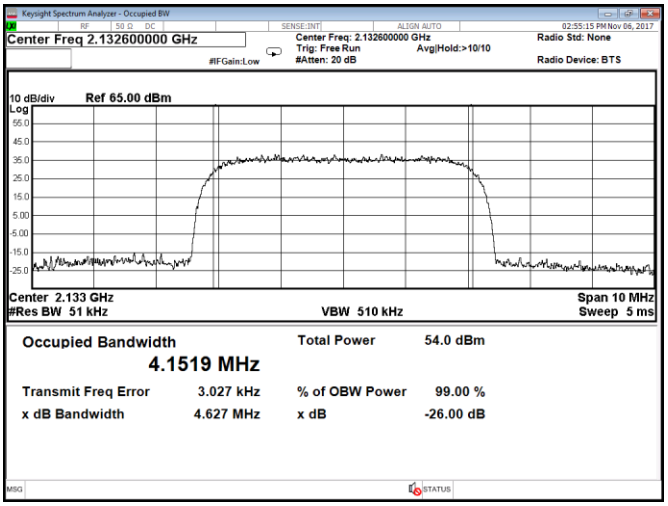


Figure 8.5-59: *Occupied bandwidth, QPSK, WCDMA, Port D, mid channel*

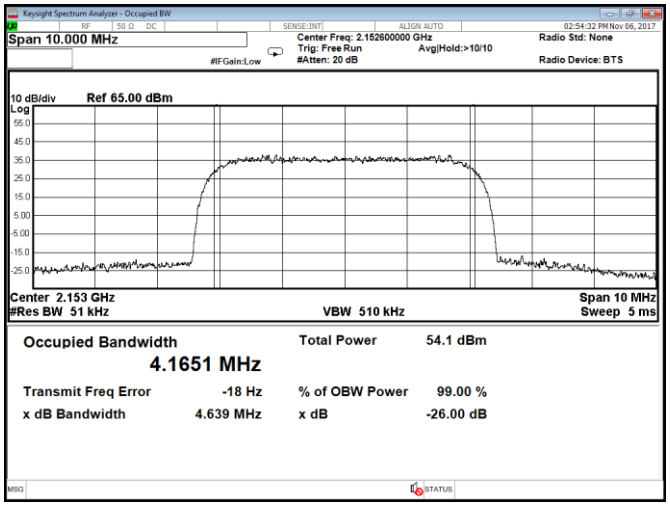


Figure 8.5-60: *Occupied bandwidth, QPSK, WCDMA, Port D, high channel*

8.6 RSS-Gen, 7.1.3 Receiver conducted limits

8.6.1 Definitions and limits

If the receiver has a detachable antenna of known impedance, an antenna-conducted spurious emissions measurement is permitted as an alternative to radiated measurement. However, the radiated method of Section 7.1.2 is preferred.

The antenna-conducted test shall be performed with the antenna disconnected and with the receiver antenna terminals connected to a measuring instrument having equal impedance to that specified for the antenna.

The receiver-spurious emissions measured at the antenna terminals by the antenna-conducted method shall then comply with the following limits:

Receiver-spurious emissions at any discrete frequency shall not exceed 2 nW in the band 30–1000 MHz, nor 5 nW above 1000 MHz.

8.6.2 Test summary

Test date	November 7, 2017	Temperature	22 °C
Test engineer	Andrey Adelberg	Air pressure	1009 mbar
Verdict	Pass	Relative humidity	33 %

8.6.3 Observations, settings and special notes

Due to 4 antenna array limit line was adjusted by 6 dB ($10 \times Log_{10}(4) = 6\ dB$)
Spectrum analyzer settings:

Detector mode	Peak
Resolution bandwidth	120 kHz (below 1 GHz), 1 MHz (above 1 GHz)
Video bandwidth	RBW × 3
Trace mode	Max Hold

8.6.4 Test data

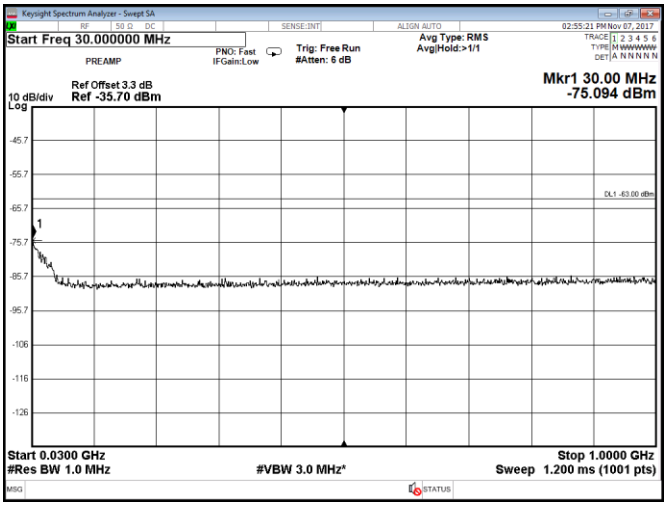


Figure 8.6-1: *Receiver spurious emissions at port A, below 1 GHz*

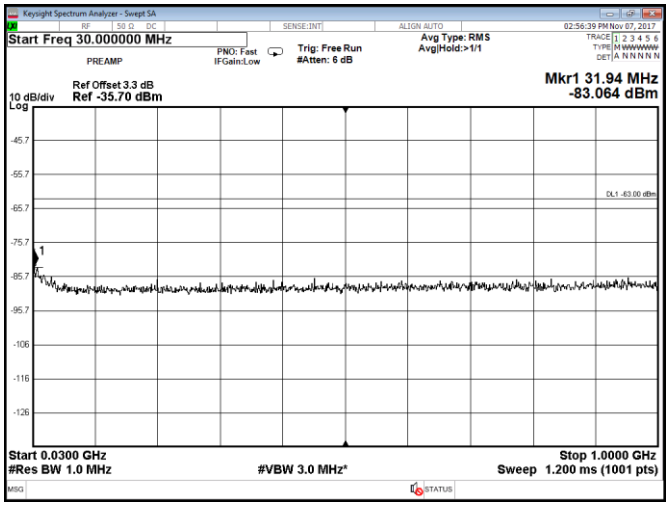


Figure 8.6-2: *Receiver spurious emissions at Port B, below 1 GHz*

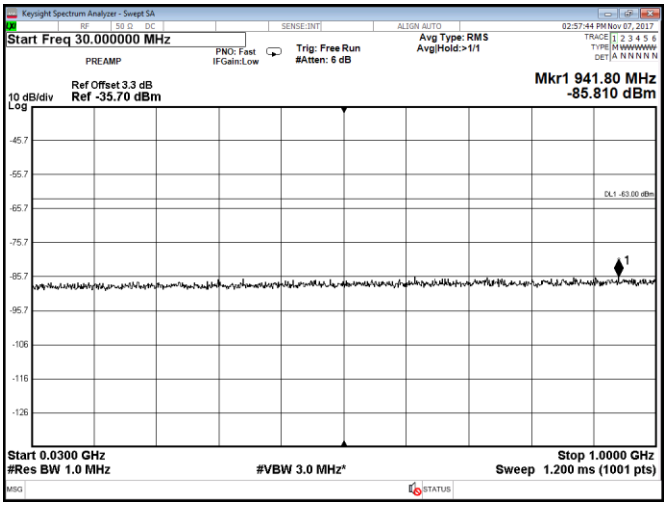


Figure 8.6-3: *Receiver spurious emissions at port C, below 1 GHz*

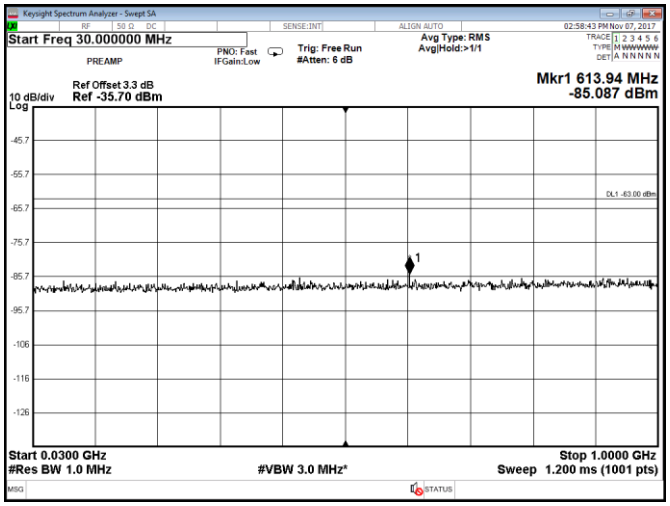


Figure 8.6-4: *Receiver spurious emissions at Port D, below 1 GHz*

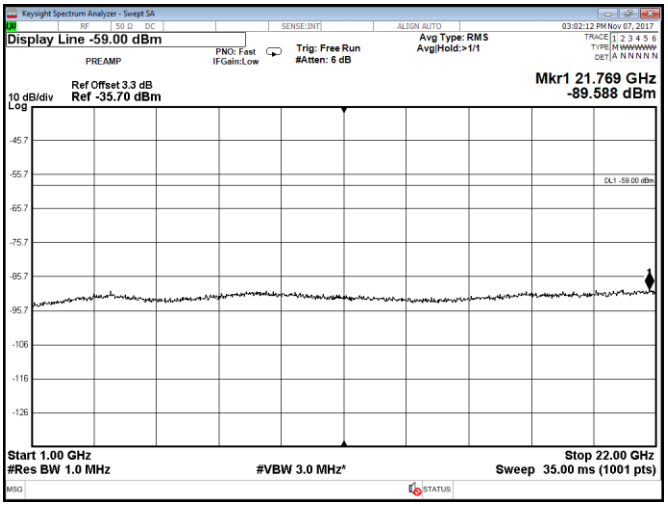


Figure 8.6-5: *Receiver spurious emissions at port A, above 1 GHz*

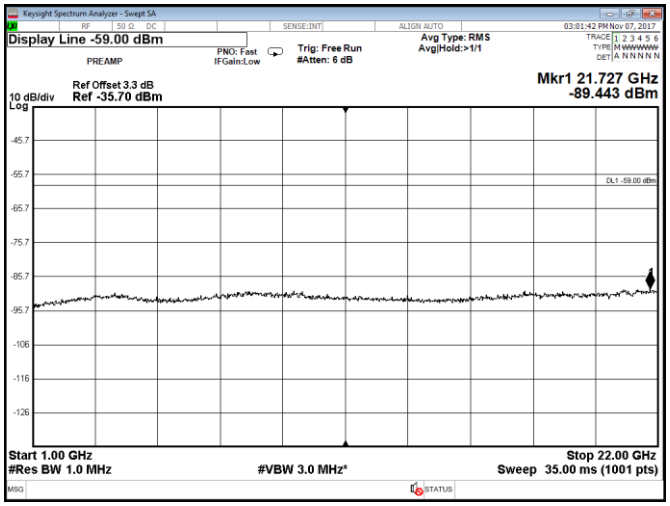


Figure 8.6-6: *Receiver spurious emissions at Port B, above 1 GHz*

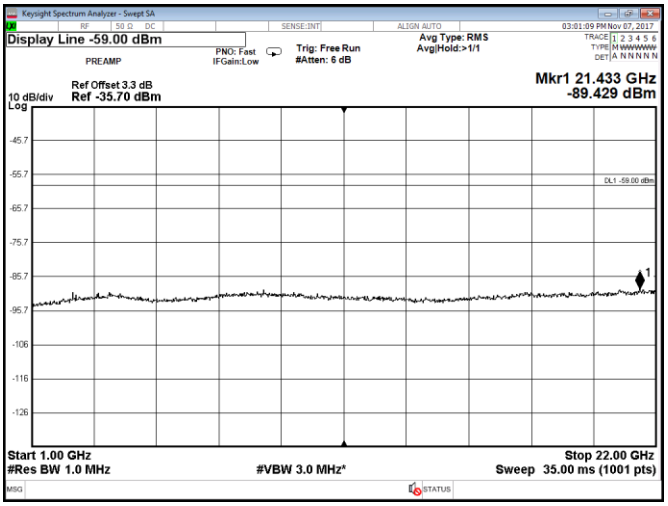


Figure 8.6-7: *Receiver spurious emissions at port C, above 1 GHz*

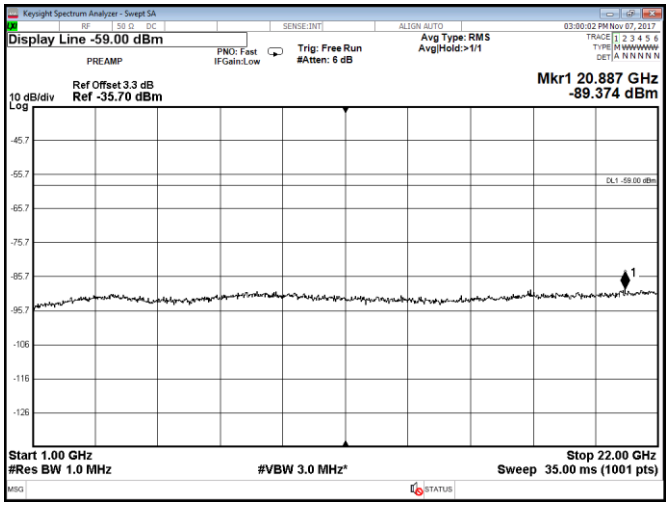
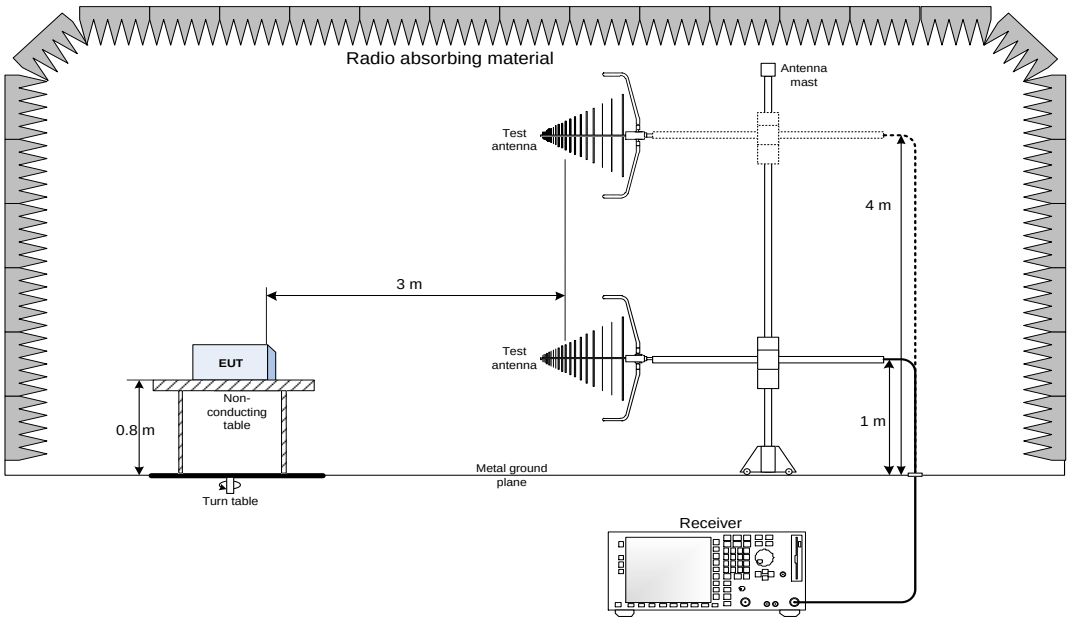


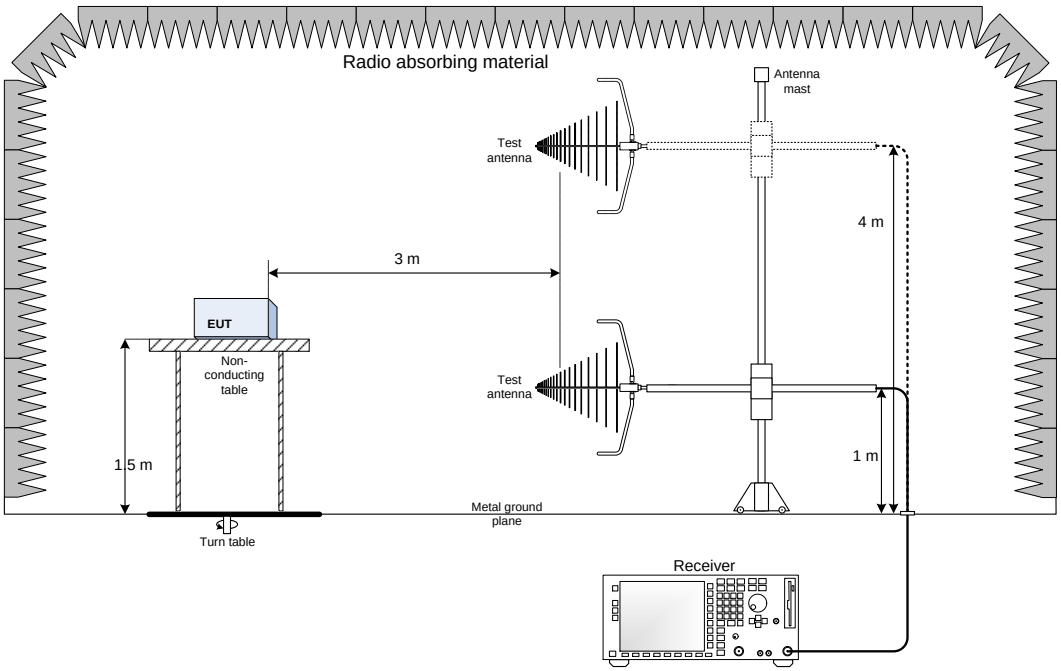
Figure 8.6-8: *Receiver spurious emissions at Port D, above 1 GHz*

Section 9. Block diagrams of test set-ups

9.1 Radiated emissions set-up for frequencies below 1 GHz



9.2 Radiated emissions set-up for frequencies above 1 GHz



9.3 Conducted emissions set-up