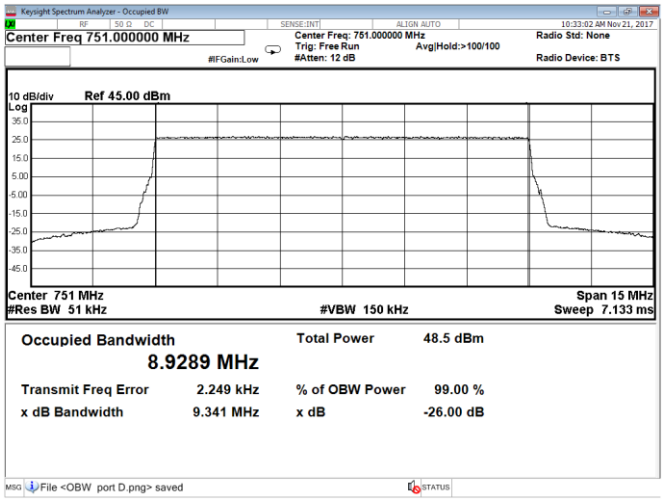


Figure 8.8-5: *Occupied bandwidth, QPSK, Port A, configuration 2*

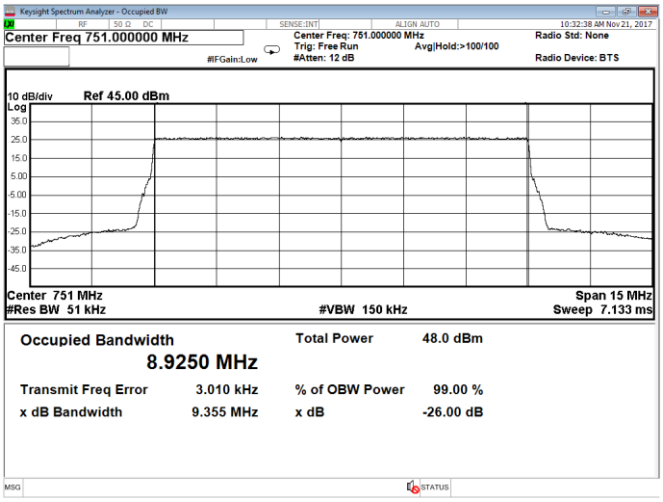


Figure 8.8-6: *Occupied bandwidth, QPSK, Port D, configuration 2*

8.9 FCC Part 22.917(b) Occupied bandwidth

8.9.1 Definitions and limits

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

8.9.2 Test summary

Test date	November 15, 2017	Temperature	22 °C
Test engineer	Andrey Adelberg	Air pressure	1009 mbar
Verdict	Pass	Relative humidity	33 %

8.9.3 Observations, settings and special notes

Configuration 1: Port A with 40 W power, Port B with 40 W power, Port C with 40 W power, Port D with 40 W power.
Configuration 2: Port A with 60 W power, Port D with 60 W power.

8.9.4 Test data

Table 8.9-1: *Occupied bandwidth results for configuration 1*

Remarks	99% OBW, MHz	26 dB BW, MHz
Antenna A, low channel	4.5012	4.790
Antenna B, low channel	4.5017	4.792
Antenna C, low channel	4.4949	4.788
Antenna D, low channel	4.4961	4.784
Antenna A, mid channel	4.5009	4.781
Antenna B, mid channel	4.4994	4.784
Antenna C, mid channel	4.4984	4.793
Antenna D, mid channel	4.4980	4.800
Antenna A, high channel	4.4968	4.789
Antenna B, high channel	4.4991	4.780
Antenna C, high channel	4.4926	4.776
Antenna D, high channel	4.4977	4.773

Table 8.9-2: *Occupied bandwidth results for configuration 2*

Remarks	99% OBW, MHz	26 dB BW, MHz
Antenna A, low channel	4.4765	4.724
Antenna D, low channel	4.4703	4.702
Antenna A, mid channel	4.4786	4.702
Antenna D, mid channel	4.4710	4.714
Antenna A, high channel	4.4765	4.728
Antenna D, high channel	4.4737	4.723

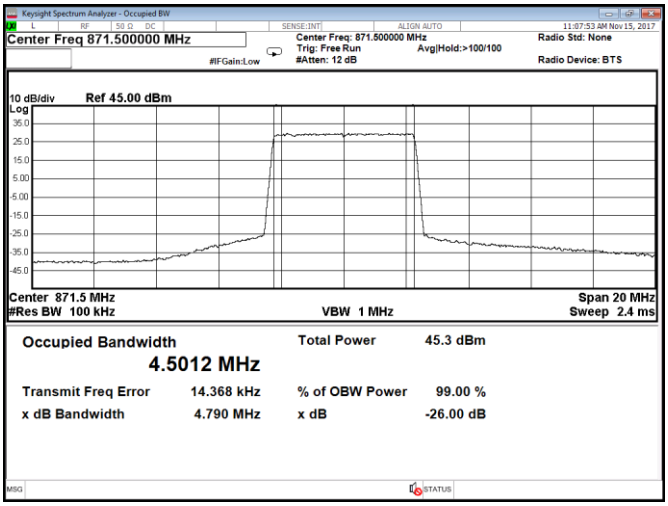


Figure 8.9-1: *Occupied bandwidth, QPSK, Port A, low channel, configuration 1*

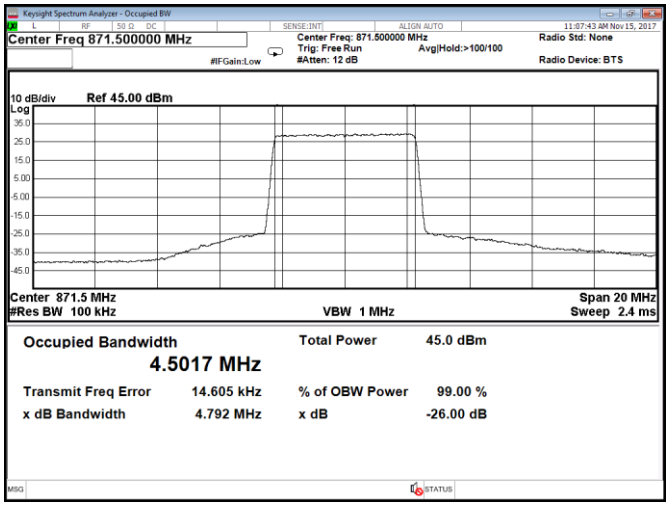


Figure 8.9-2: *Occupied bandwidth, QPSK, Port B, low channel, configuration 1*

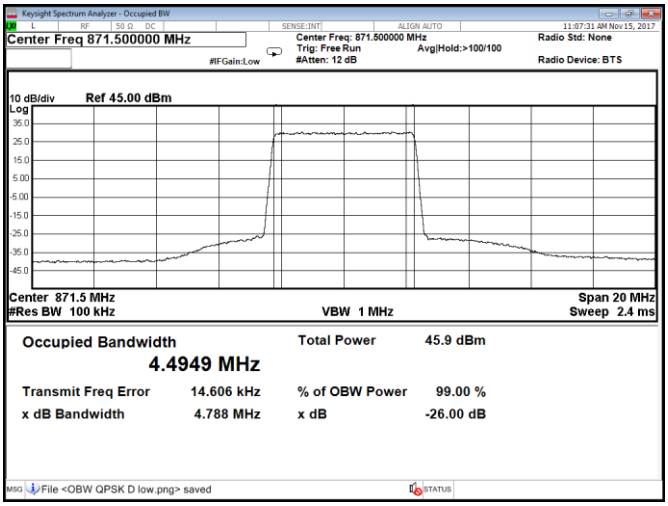


Figure 8.9-3: *Occupied bandwidth, QPSK, Port C, low channel, configuration 1*

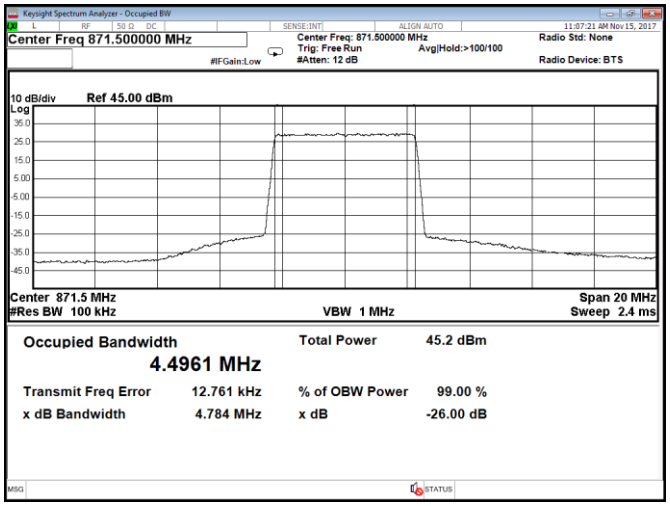


Figure 8.9-4: *Occupied bandwidth, QPSK, Port D, low channel, configuration 1*

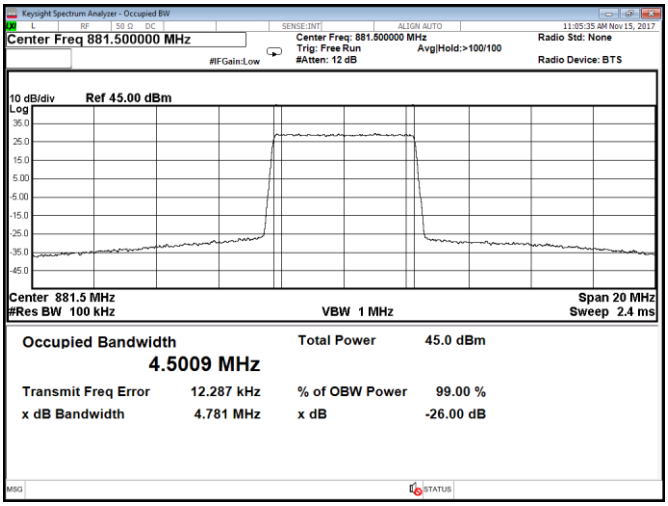


Figure 8.9-5: *Occupied bandwidth, QPSK, Port A, mid channel, configuration 1*

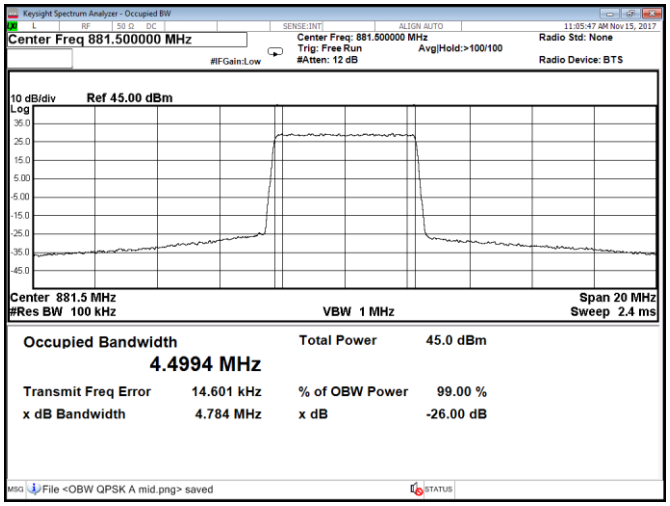


Figure 8.9-6: *Occupied bandwidth, QPSK, Port B, mid channel, configuration 1*

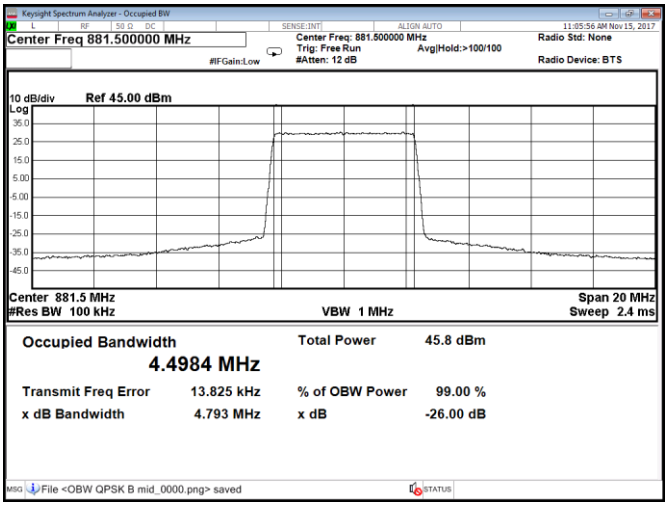


Figure 8.9-7: *Occupied bandwidth, QPSK, Port C, mid channel, configuration 1*

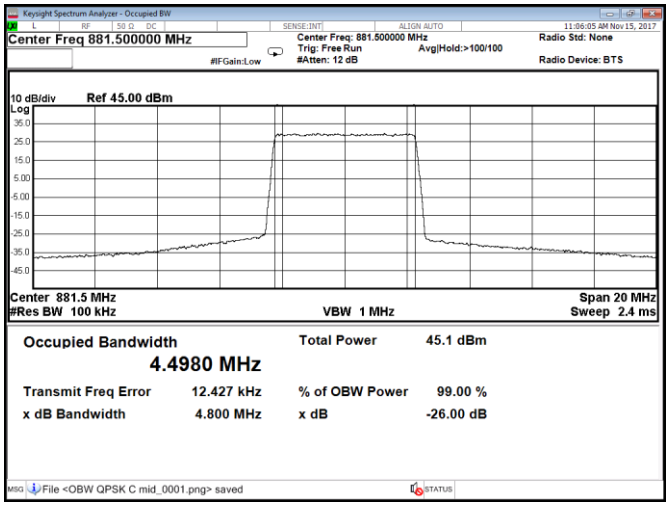


Figure 8.9-8: *Occupied bandwidth, QPSK, Port D, mid channel, configuration 1*

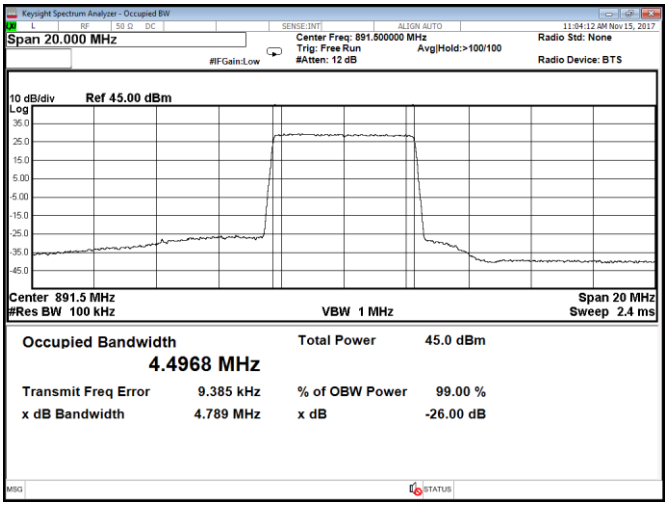


Figure 8.9-9: *Occupied bandwidth, QPSK, Port A, high channel, configuration 1*

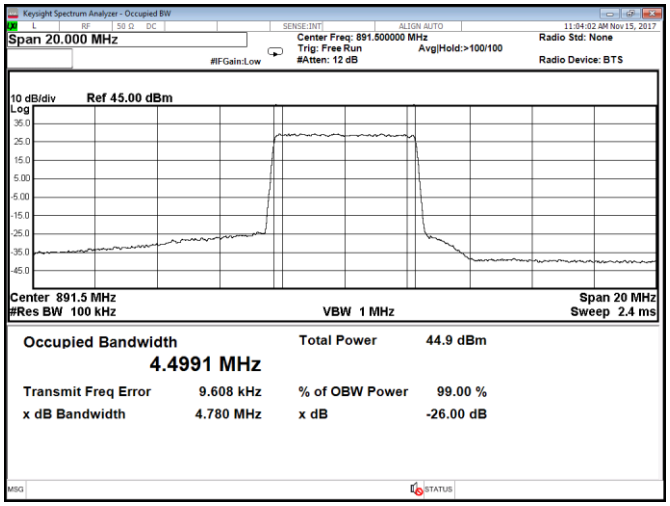


Figure 8.9-10: *Occupied bandwidth, QPSK, Port B, high channel, configuration 1*

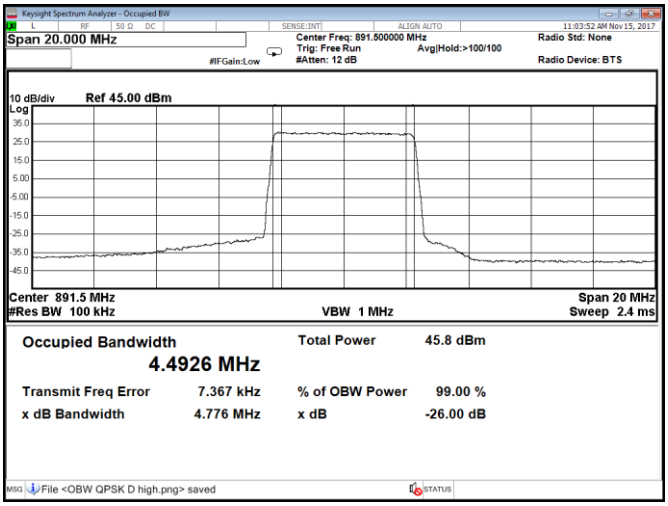


Figure 8.9-11: *Occupied bandwidth, QPSK, Port C, high channel, configuration 1*

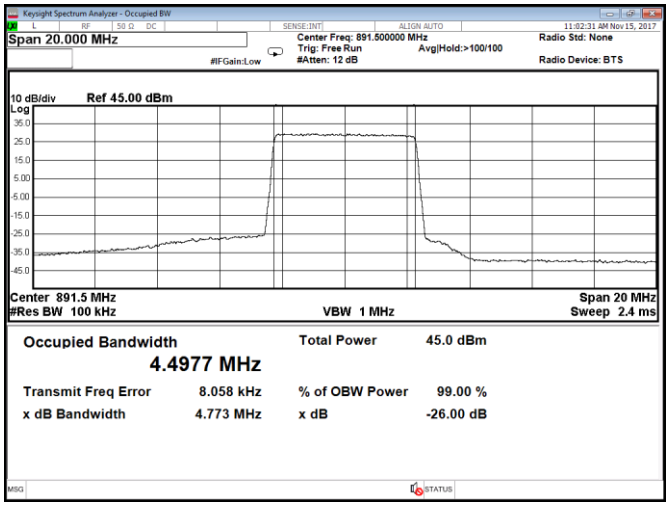


Figure 8.9-12: *Occupied bandwidth, QPSK, Port D, high channel, configuration 1*

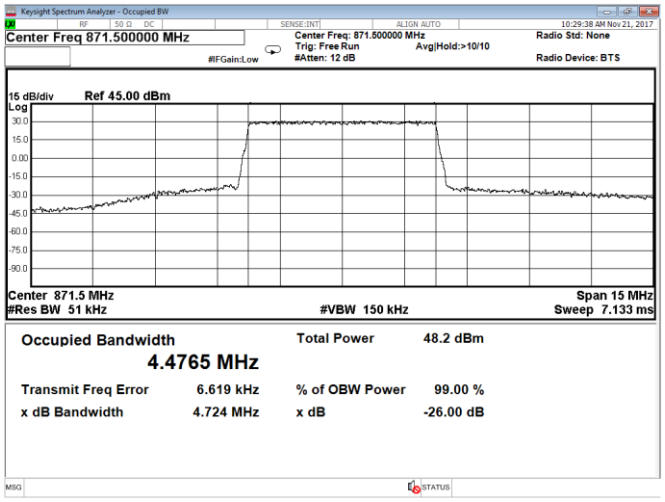


Figure 8.9-13: *Occupied bandwidth, QPSK, Port A, low channel, configuration 2*

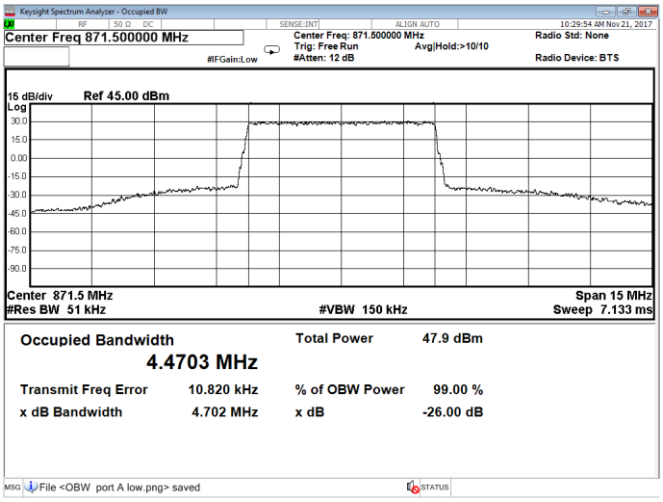


Figure 8.9-14: *Occupied bandwidth, QPSK, Port D, low channel, configuration 2*

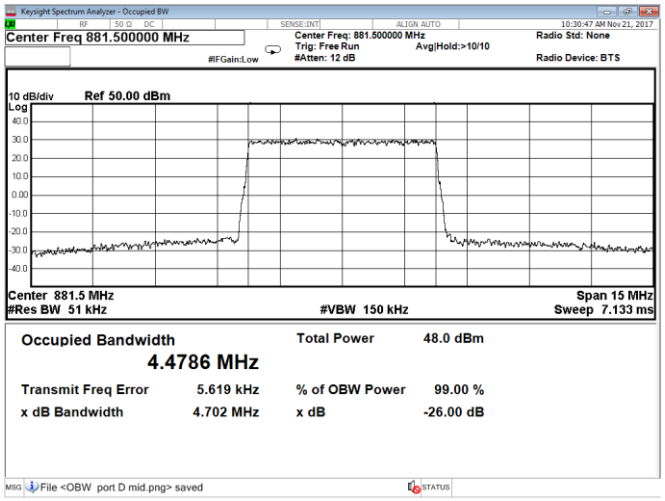


Figure 8.9-15: *Occupied bandwidth, QPSK, Port A, mid channel, configuration 2*

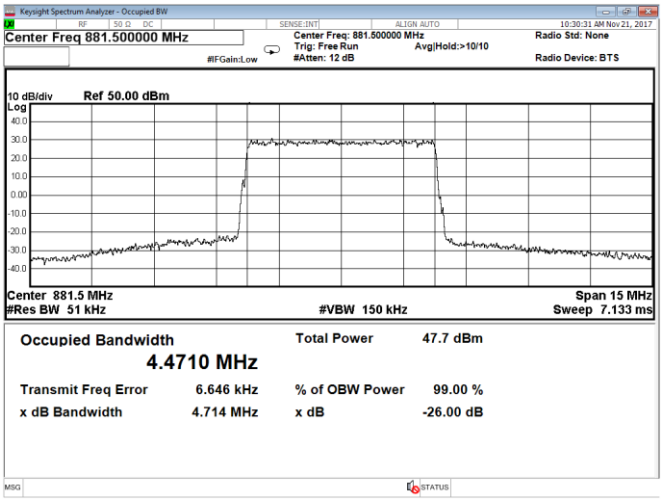


Figure 8.9-16: *Occupied bandwidth, QPSK, Port D, mid channel, configuration 2*

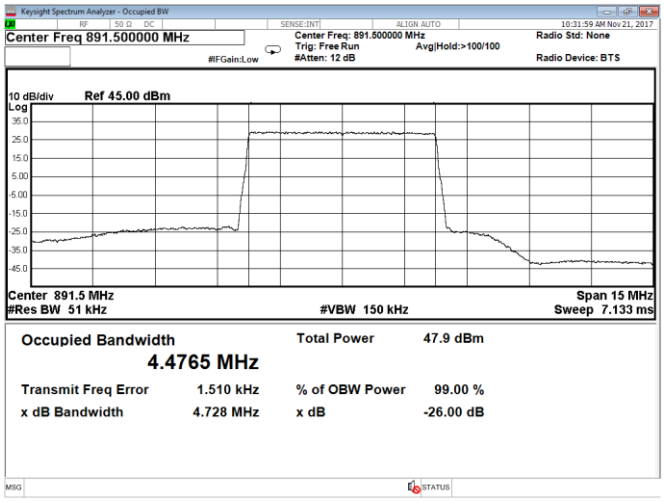


Figure 8.9-17: *Occupied bandwidth, QPSK, Port A, high channel, configuration 2*

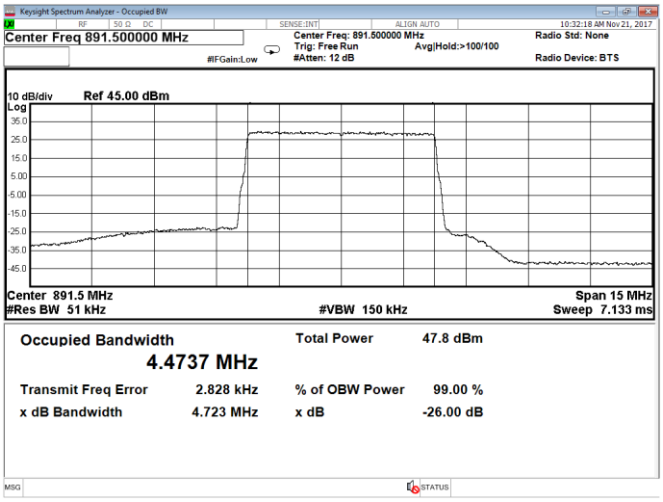
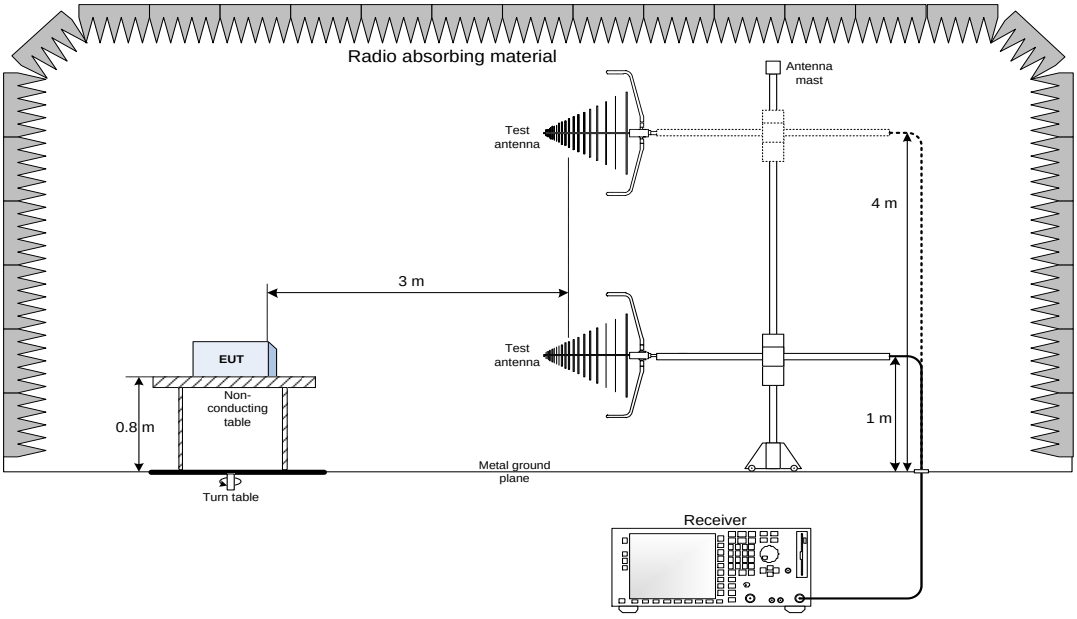


Figure 8.9-18: *Occupied bandwidth, QPSK, Port D, high channel, configuration 2*

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