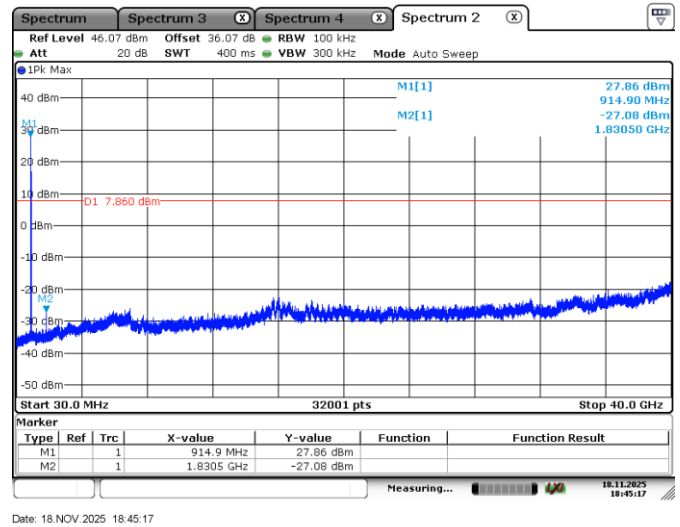
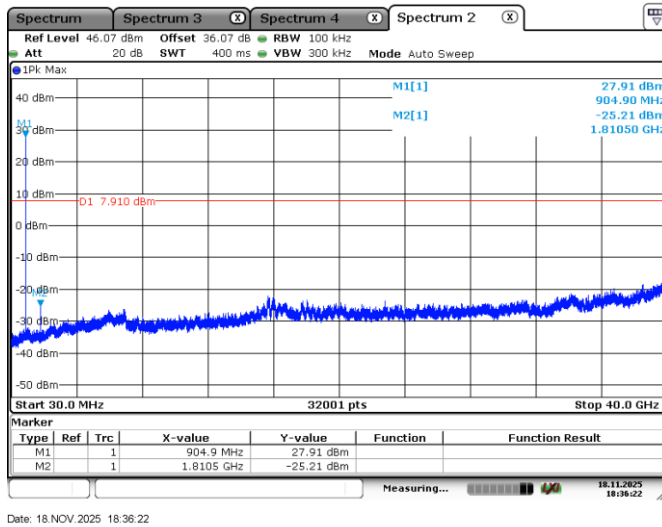
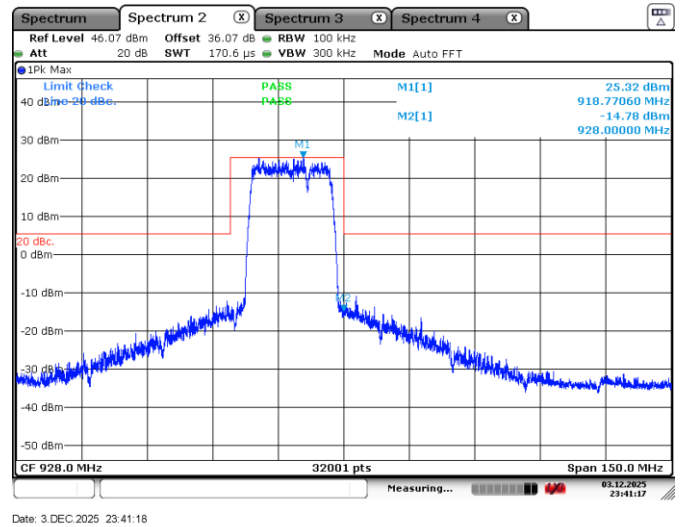
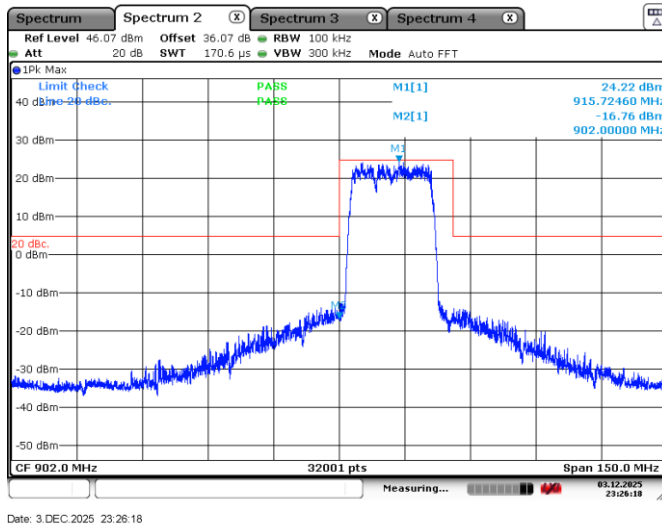
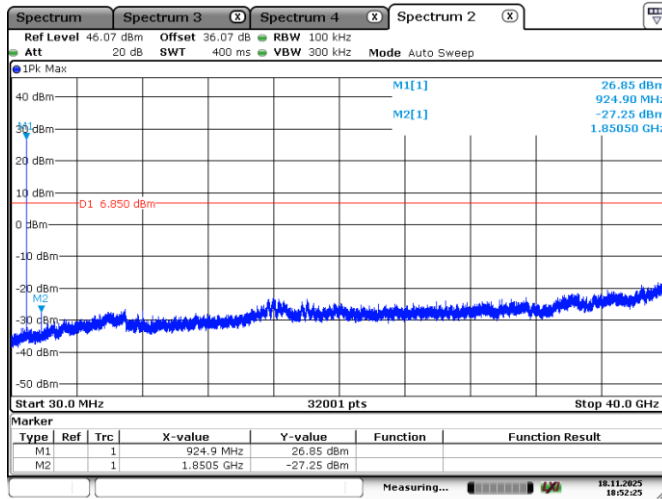


Test data, continued

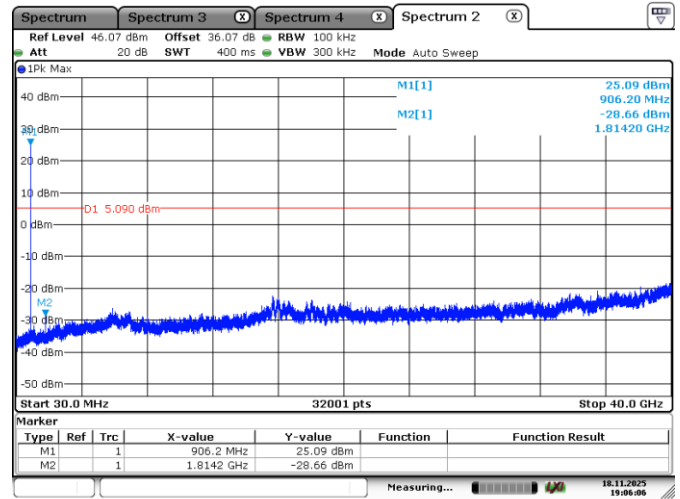


Test data, continued



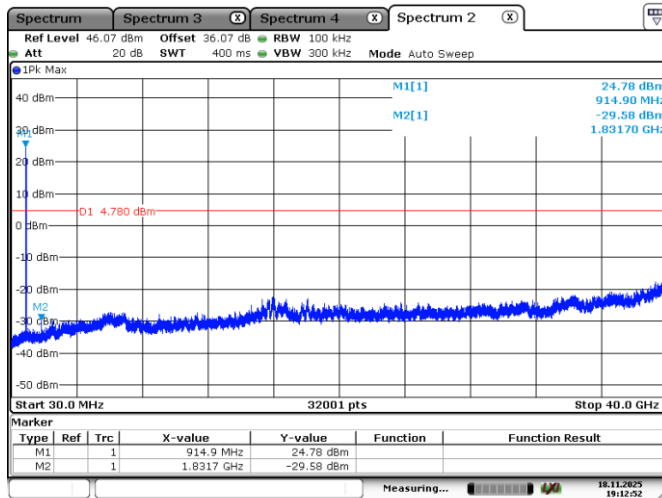
Date: 18.NOV.2025 18:52:26

Figure 7.10-13: Conducted spurious emissions on 1.2 MHz High channel



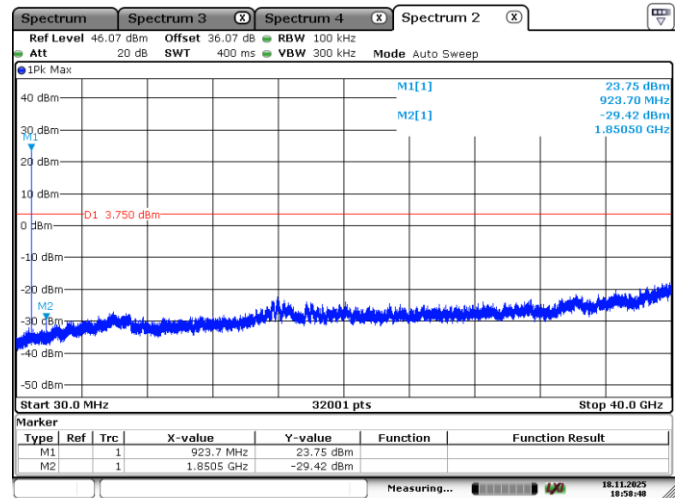
Date: 18.NOV.2025 19:06:07

Figure 7.10-14: Conducted spurious emissions on 3.6 MHz Low channel



Date: 18.NOV.2025 19:12:52

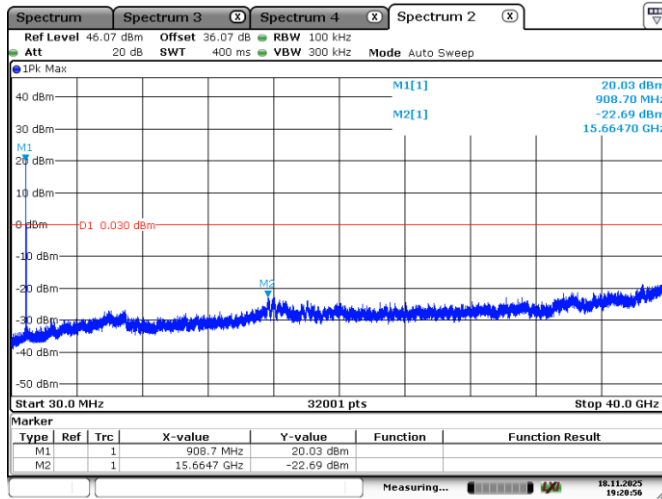
Figure 7.10-15: Radiated spurious emissions on 3.6 MHz Mid channel



Date: 18.NOV.2025 18:58:49

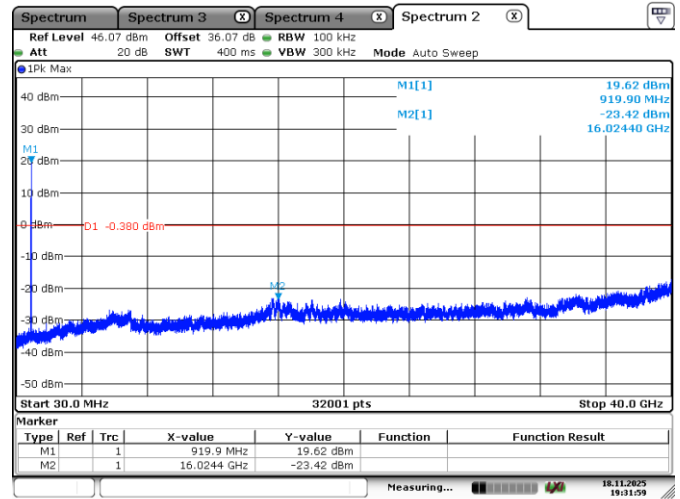
Figure 7.10-16: Radiated spurious emissions on 3.6 MHz High channel

Test data, continued



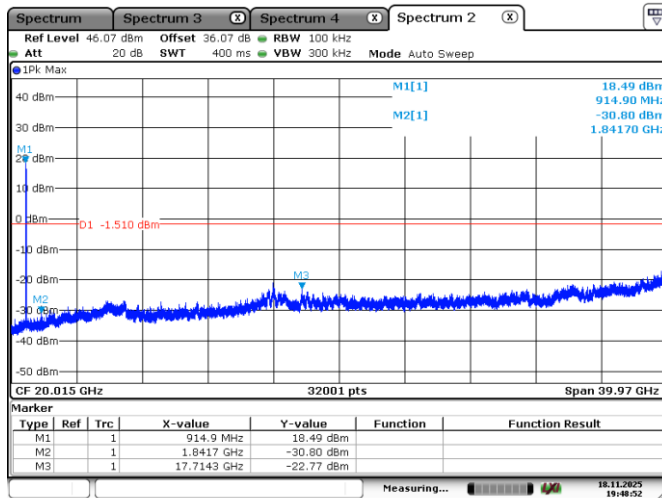
Date: 18.NOV.2025 19:20:56

Figure 7.10-17: Conducted spurious emissions on 10 MHz Low channel



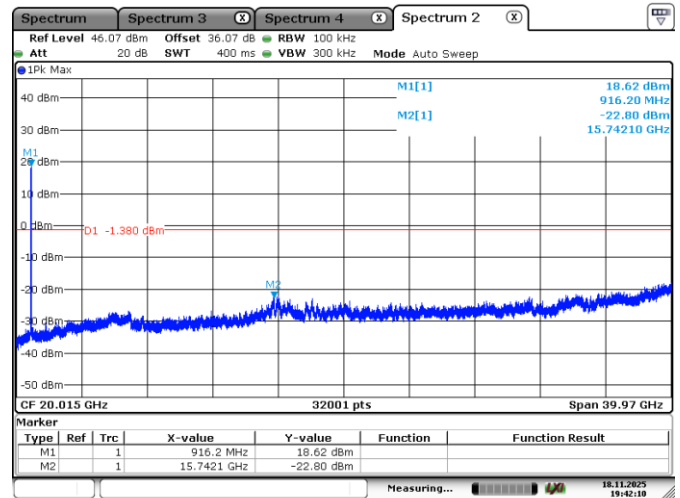
Date: 18.NOV.2025 19:31:59

Figure 7.10-18: Conducted spurious emissions on 10 MHz High channel



Date: 18.NOV.2025 19:48:52

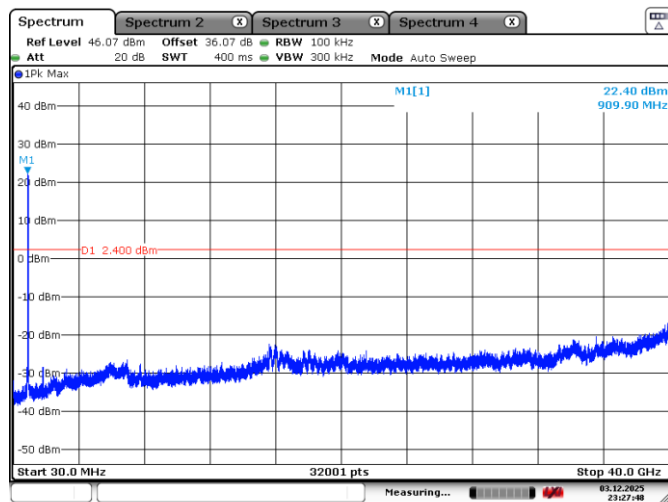
Figure 7.10-19: Conducted spurious emissions on 20 MHz Low channel



Date: 18.NOV.2025 19:42:11

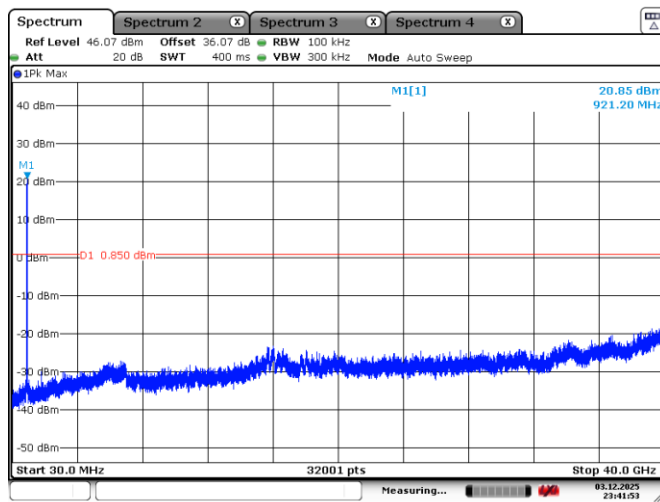
Figure 7.10-20: Conducted spurious emissions on 20 MHz High channel

Test data, continued



Date: 3.DEC.2025 23:27:49

Figure 7.10-21: Conducted spurious emissions on 20 MHz (HDR) Low channel



Date: 3.DEC.2025 23:41:53

Figure 7.10-22: Conducted spurious emissions on 20 MHz (HDR) High channel

Test data, continued

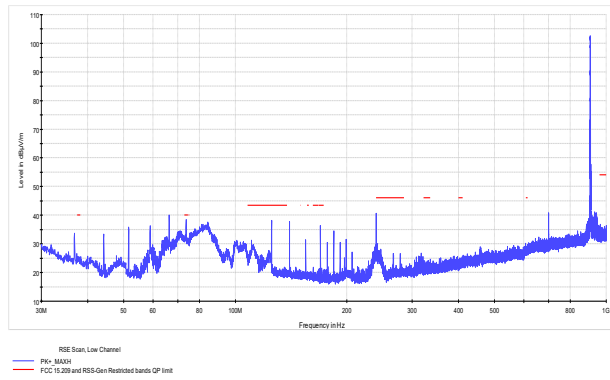


Figure 7.10-23: Radiated spurious emissions on Low channel, 30-1000 MHz

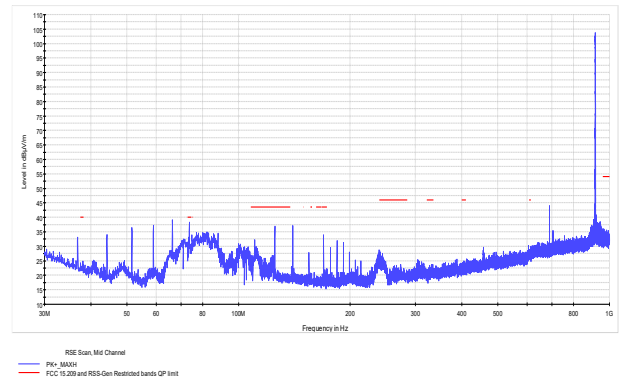


Figure 7.10-24: Radiated spurious emissions on Mid channel, 30-1000 MHz

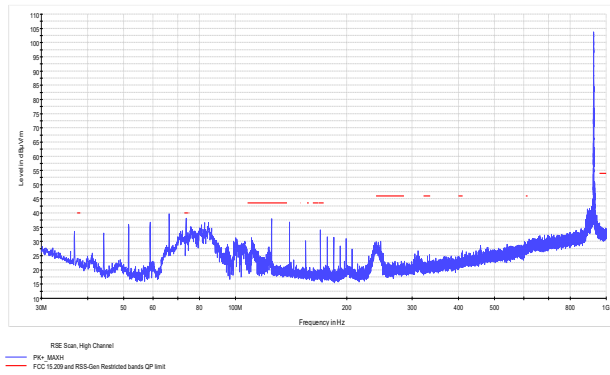


Figure 7.10-25: Radiated spurious emissions on High channel, 30-1000 MHz

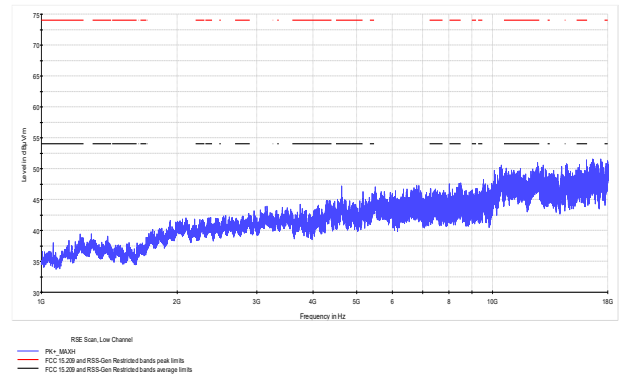


Figure 7.10-26: Radiated spurious emissions on Low channel, 1-18 GHz

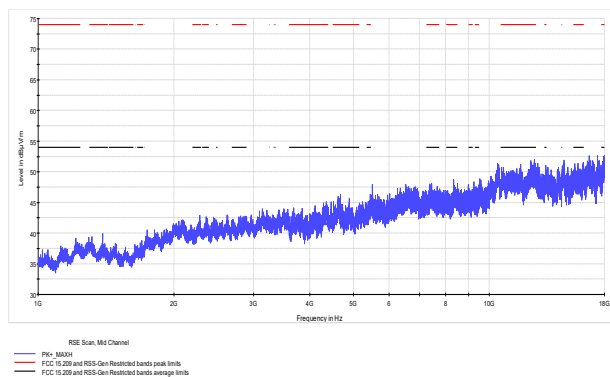


Figure 7.10-27: Radiated spurious emissions on Mid channel, 1-18 GHz

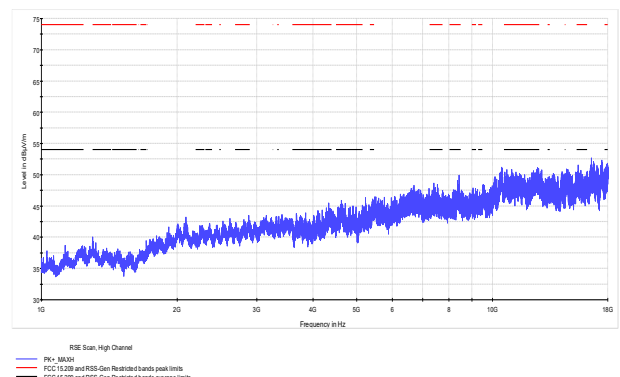


Figure 7.10-28: Radiated spurious emissions on High channel, 1-18 GHz

Test data, continued

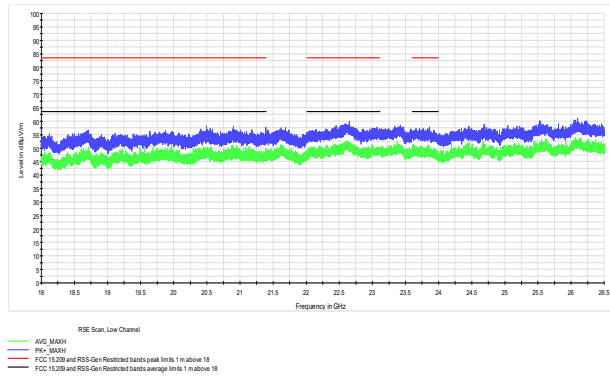


Figure 7.10-29: Radiated spurious emissions on Low channel, 18-26.5 GHz

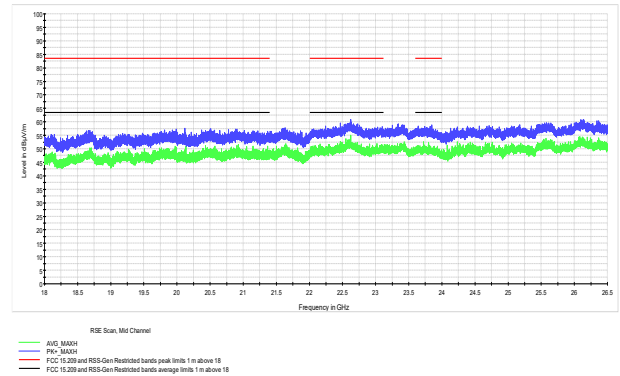


Figure 7.10-30: Radiated spurious emissions on Mid channel, 18-26.5 GHz

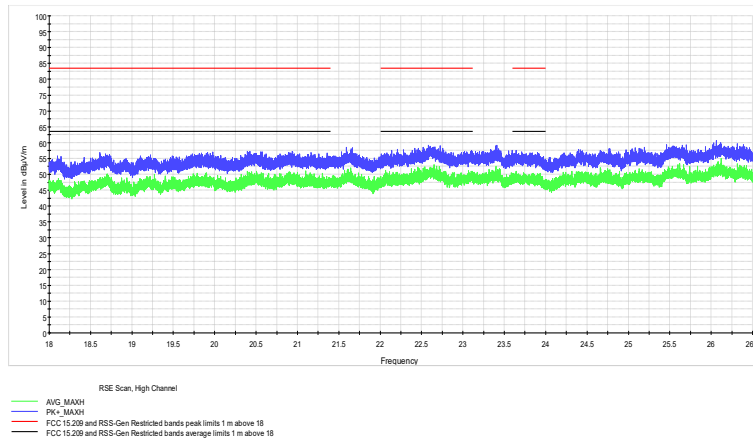


Figure 7.10-31: Radiated spurious emissions on Low channel, 18-26.5 GHz

7.11 900 MHz Power spectral density for digitally modulated devices

7.11.1 References, definitions and limits

FCC §15.247:

- (e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
- (f) For the purposes of this section, hybrid systems are those that employ a combination of both frequency hopping and digital modulation techniques. The frequency hopping operation of the hybrid system, with the direct sequence or digital modulation operation turned-off, shall have an average time of occupancy on any frequency not to exceed 0.4 seconds within a time period in seconds equal to the number of hopping frequencies employed multiplied by 0.4. The power spectral density conducted from the intentional radiator to the antenna due to the digital modulation operation of the hybrid system, with the frequency hopping operation turned off, shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RSS-247, Clause 6.3.1:

The following applies to the bands 902-928 MHz and 2400-2483.5 MHz:

- b. The transmitter power spectral density conducted from the transmitter to the antenna(s) shall not be greater than 8 dBm/3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of section 6.3.2 The power spectral density shall be determined using the same method as is used to determine the maximum conducted output power.

RSS-247, Clause 7.3.4.3:

Equipment operating in the band 5725-5850 shall comply with the following power limits:

- b. the maximum output power spectral density shall not exceed 30 dBm/500 kHz.

RSS-247, Clause 6.4:

Hybrid systems employ a combination of both frequency hopping and digital transmission techniques at the same time on the same carrier, and shall comply with the following.

- a. The power spectral density requirements for digital modulation operation, when the frequency hopping operation is stopped, shall not exceed 8 dBm/3 kHz.

7.11.2 Test summary

Verdict	Pass		
Test date	November 14, 2025	Temperature	22 °C
Tested by	Dhara Patel	Air pressure	995 mbar
Test location	Ottawa	Relative humidity	43 %

7.11.3 Observations, settings and special notes

Power spectral density test was performed as per KDB 558074, section 8.4 with reference to ANSI C63.10 subclause 11.10.
The test was performed using Choose an item. Spectrum analyser settings:

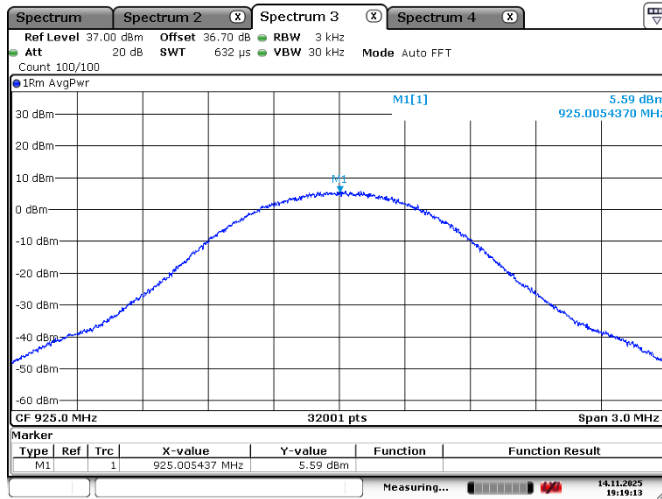
Resolution bandwidth:	3 kHz
Video bandwidth:	$\geq 3 \times \text{RBW}$
Frequency span:	1.5 times the OBW (Average)
Detector mode:	RMS
Trace mode:	Average
Averaging sweeps number:	100

7.11.4 Test data

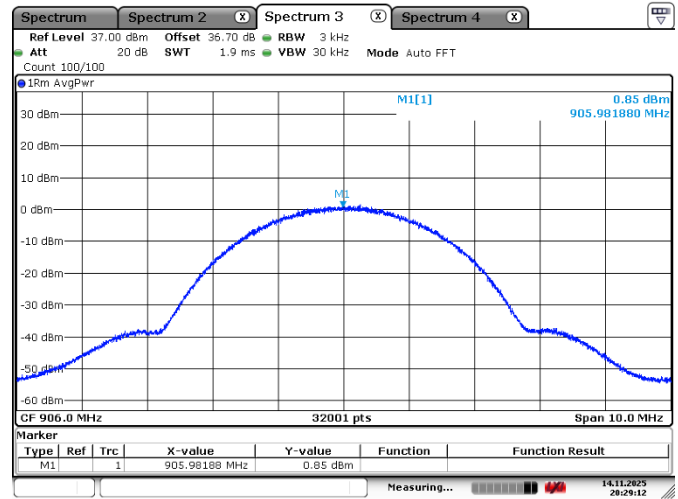
Table 7.11-1: PSD results (antenna port measurement)

BW, MHz	Frequency, MHz	PSD, dBm/3 kHz	PSD limit, dBm/3 kHz	Margin, dB
1.2	905	5.56	8.00	2.44
	915	4.10	8.00	3.90
	925	5.59	8.00	2.41
3.6	906	0.85	8.00	7.15
	915	0.19	8.00	7.81
	924	0.26	8.00	7.74
10	909	-3.16	8.00	11.16
	920	-3.21	8.00	11.21
	914	-4.83	8.00	12.83
20	916	-5.34	8.00	13.34
20(HDR)	914	-14.00	8.00	22.00
	916	-11.89	8.00	19.89

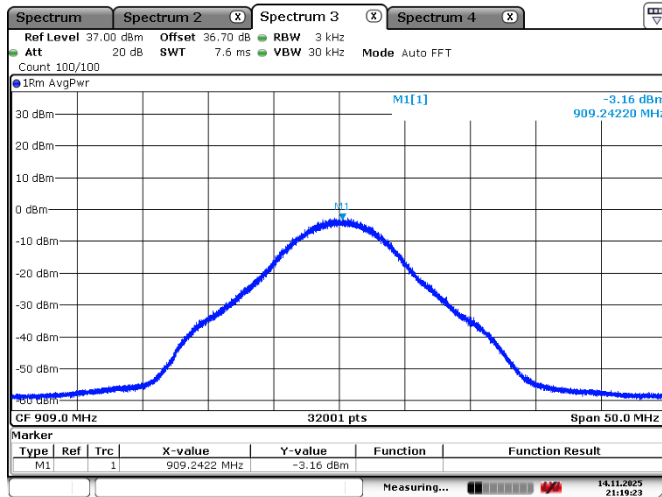
Test data, continued



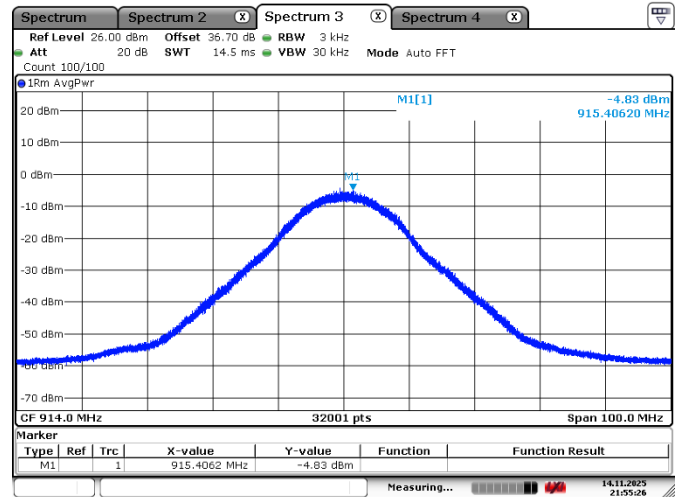
Date: 14 NOV 2025 19:19:13



Date: 14 NOV 2025 20:29:13



Date: 14 NOV 2025 21:19:23



Date: 14 NOV 2025 21:55:26

Test data, continued

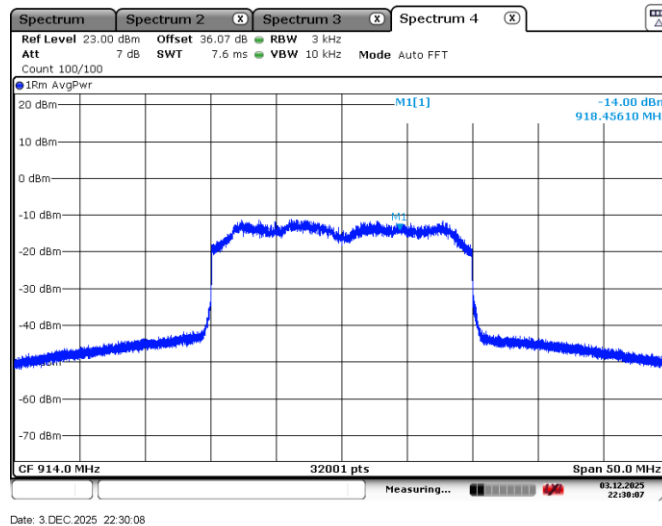
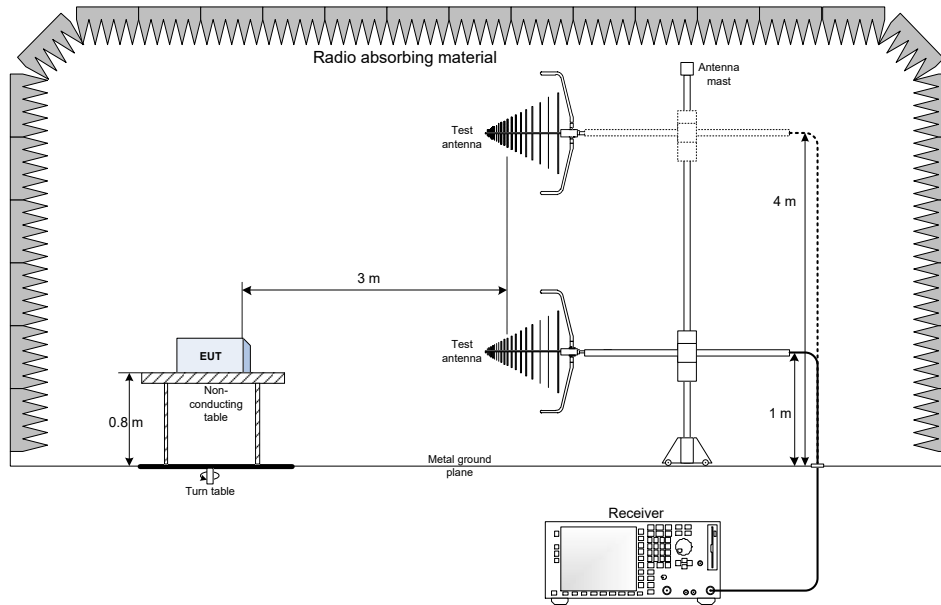


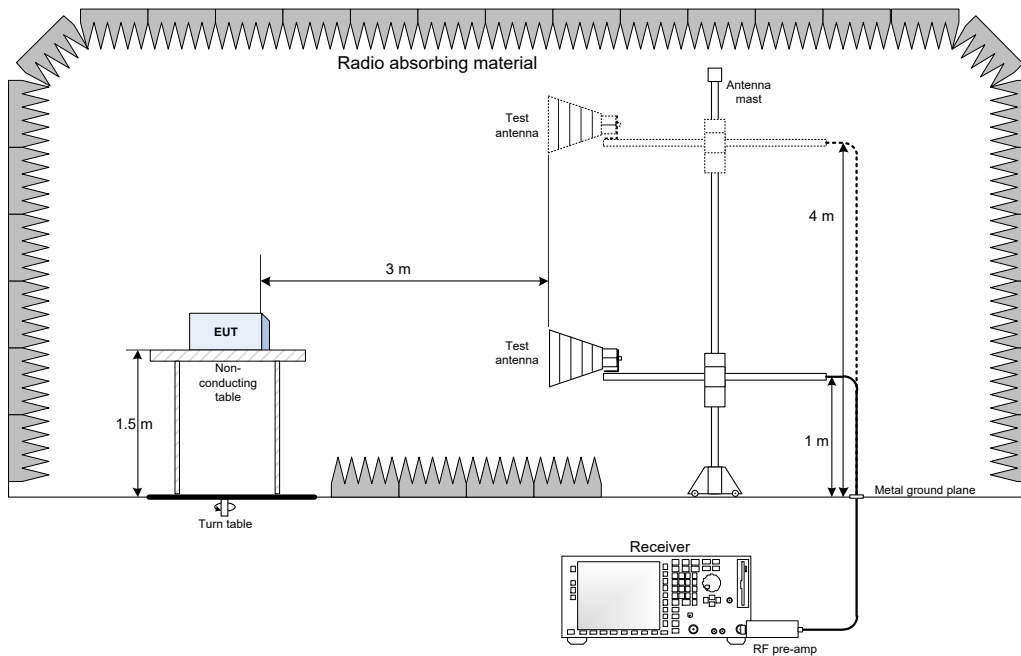
Figure 7.11-5: PSD 20 MHz (HDR), sample plot

Section 8 Test setup diagrams

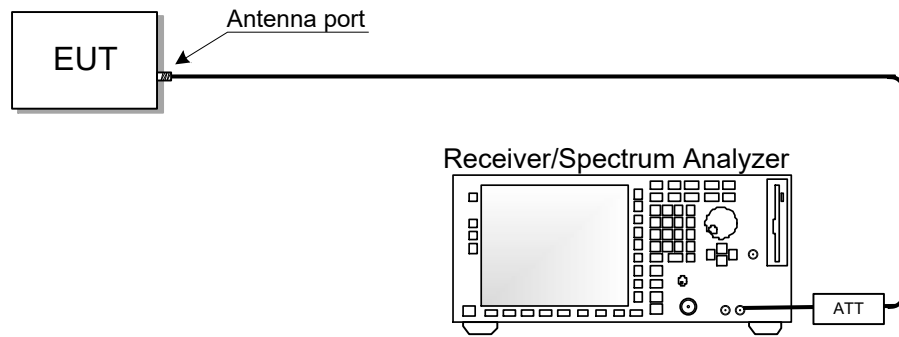
8.1 Radiated emissions set-up for frequencies below 1 GHz



8.2 Radiated emissions set-up for frequencies above 1 GHz



8.3 Antenna port set-up



End of the test report