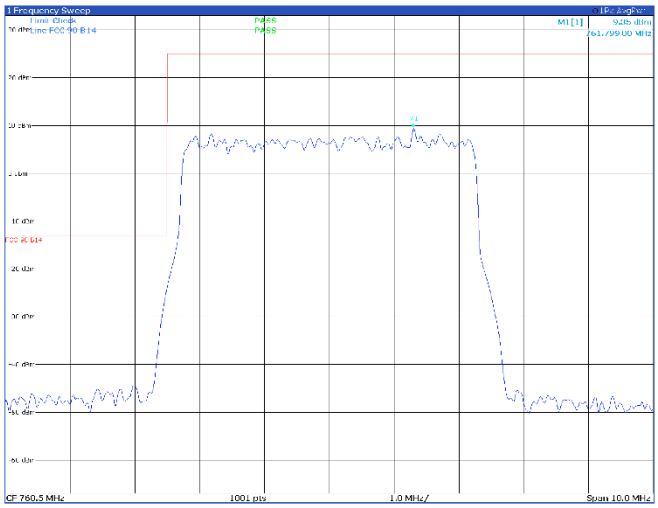
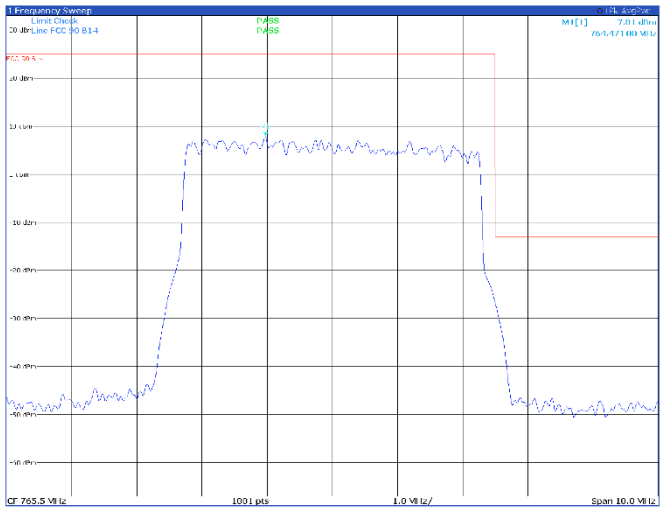
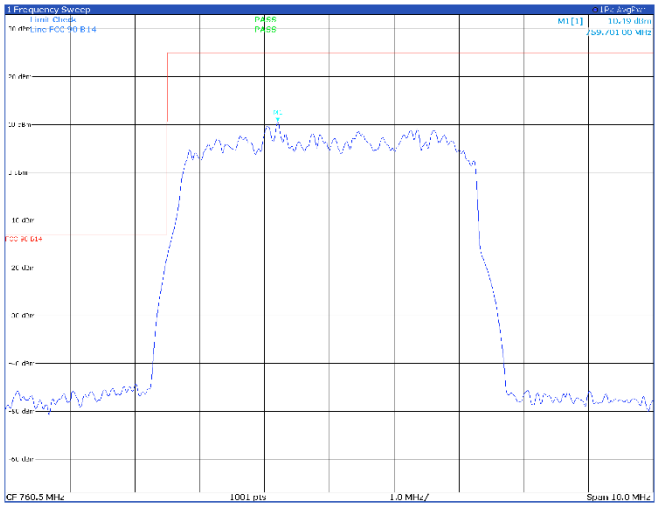
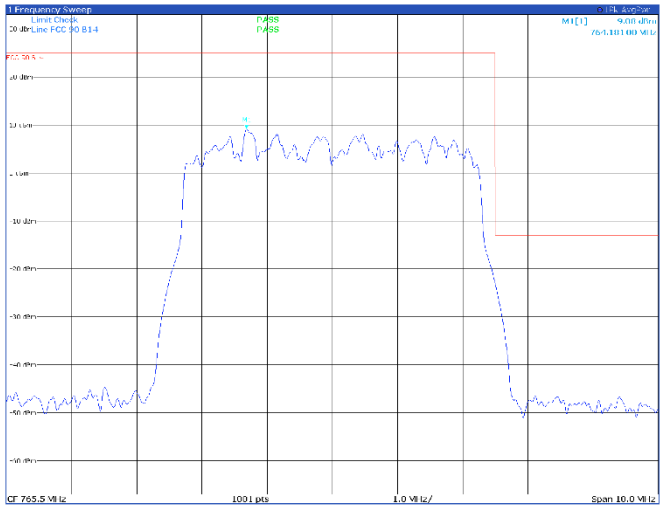
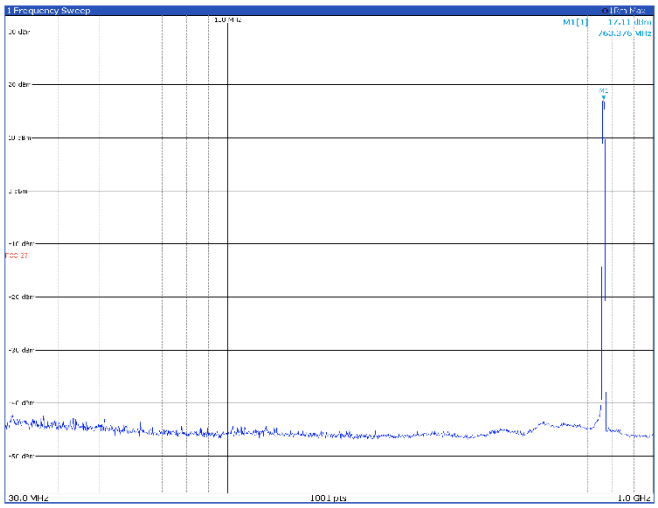
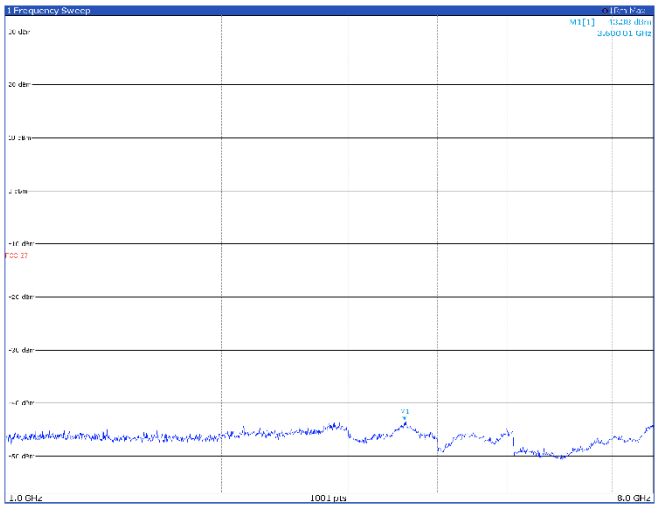
TM3p1a, 5 MHz, low channel	TM3p1a, 5 MHz, high channel
	
TM3p3, 5 MHz, low channel	**TM3p3, 5 MHz, high channel**
	

Band B14 – conducted emissions Antenna port 1 **10 MHz**

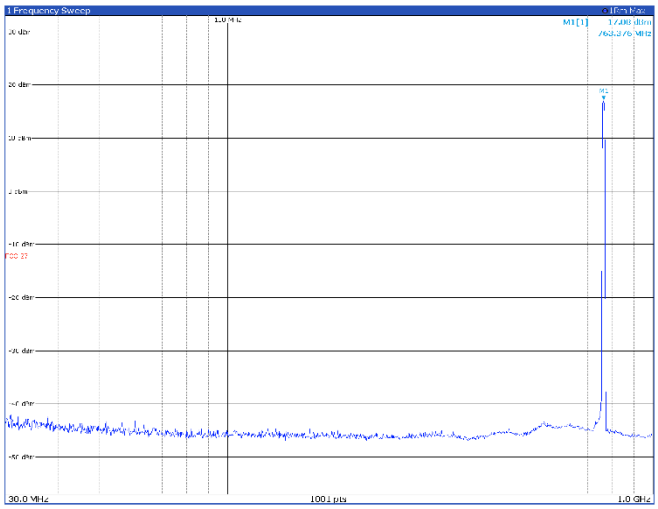
TM1.1, 10 MHz, mid channel

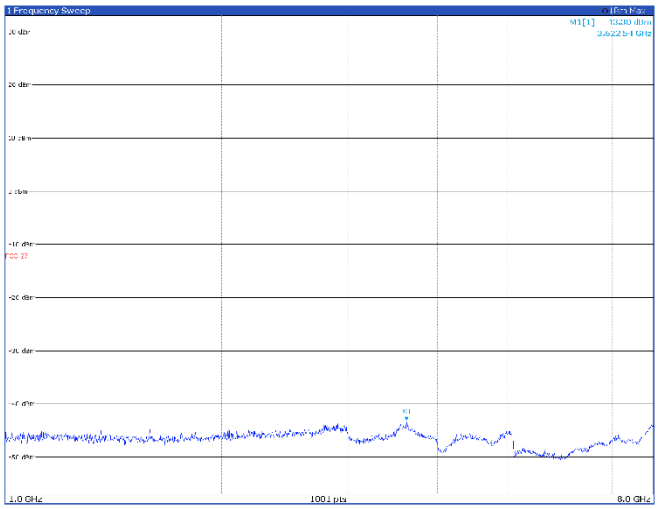




Limit exceeded by the carrier

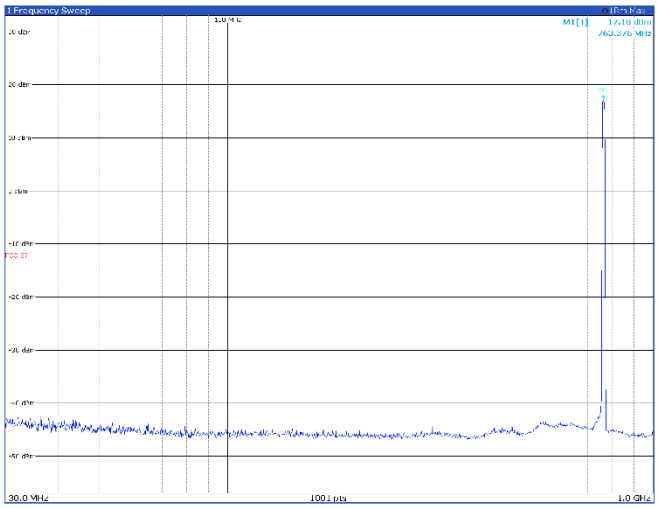
TM3p1, 10 MHz, mid channel

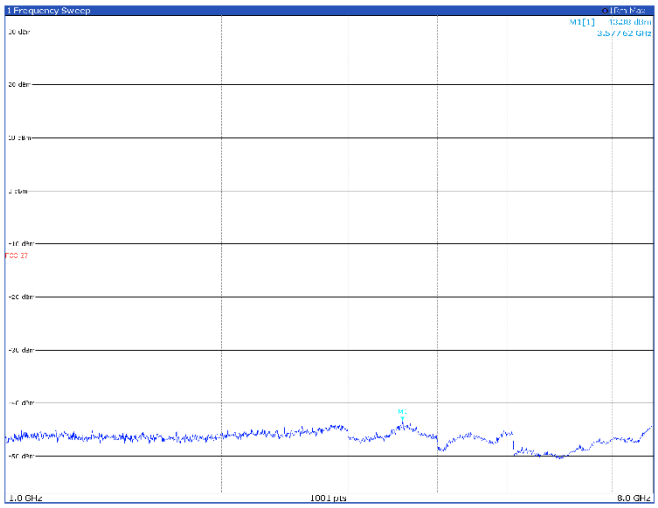




Limit exceeded by the carrier

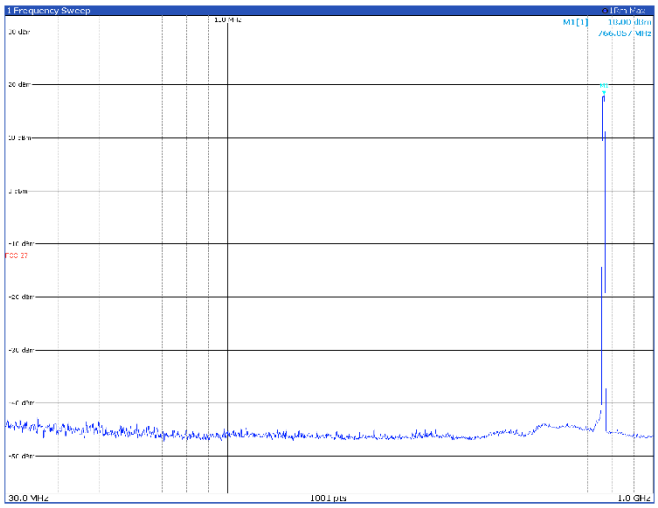
TM3p1a, 10 MHz, mid channel

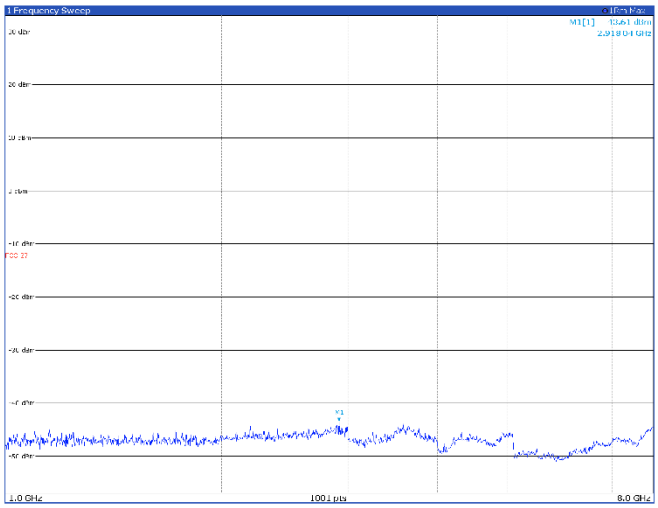




Limit exceeded by the carrier

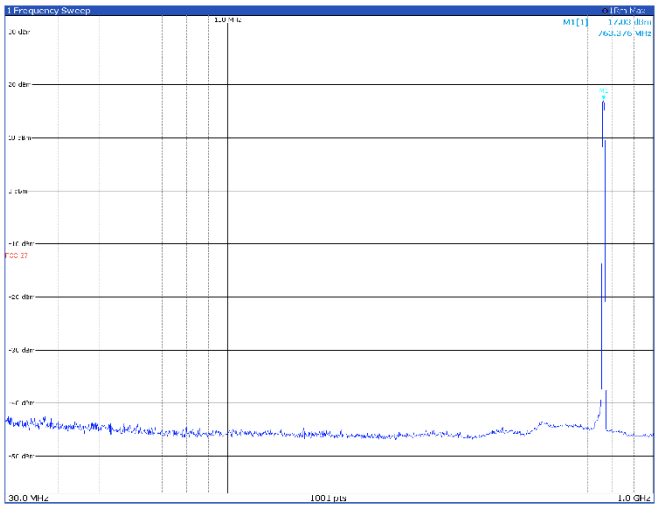
TM3p3, 10 MHz, mid channel

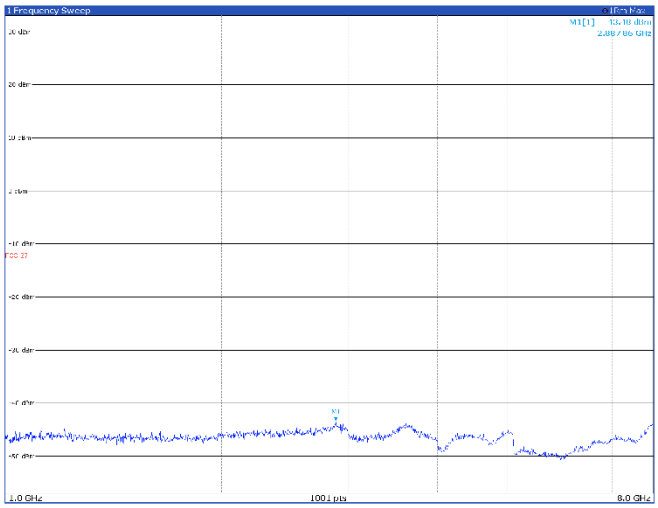




Limit exceeded by the carrier

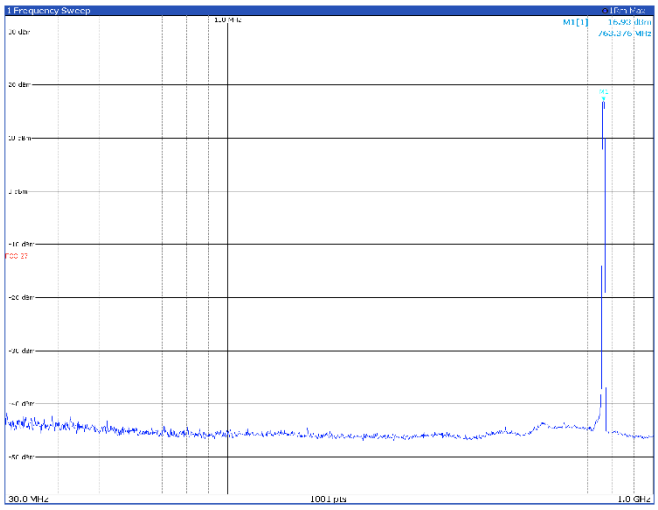
TM1.1, 10 MHz, mid channel

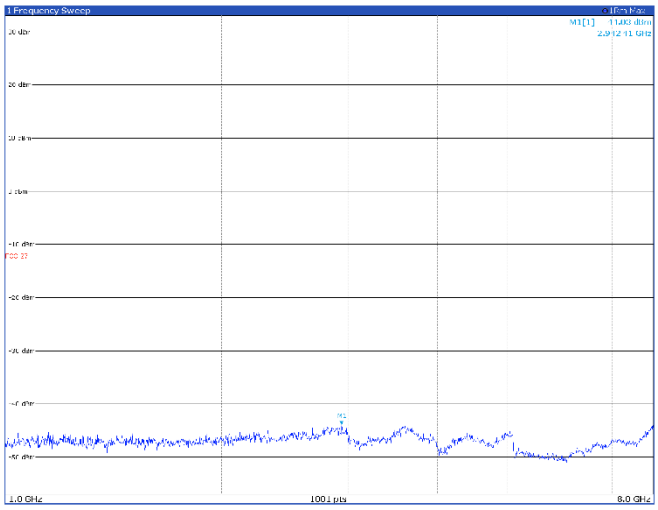




Limit exceeded by the carrier

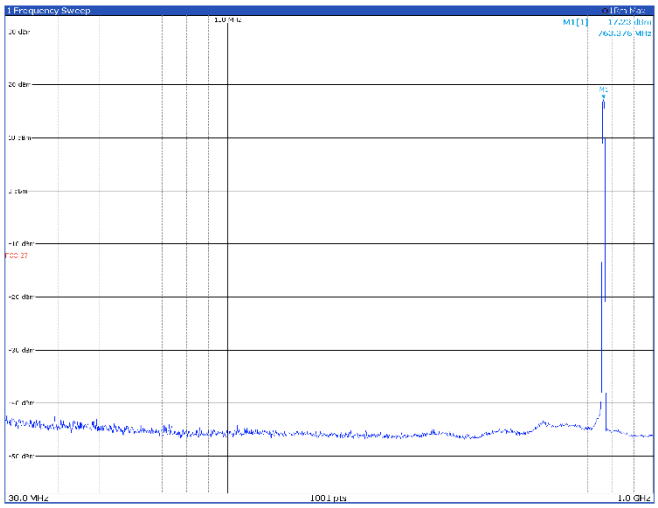
TM3p1, 10 MHz, mid channel

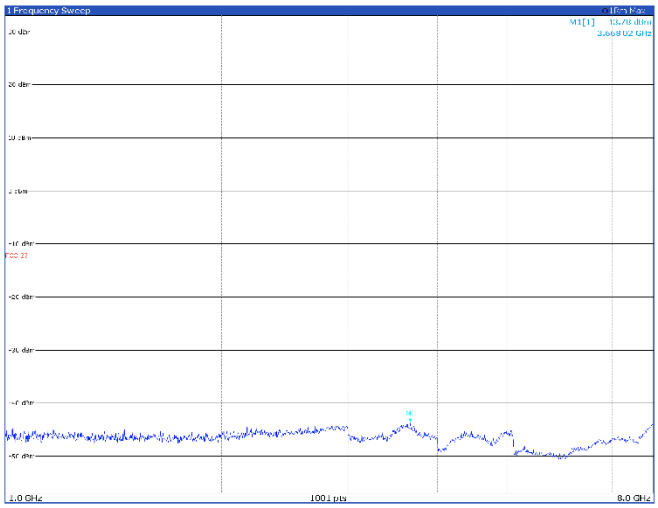




Limit exceeded by the carrier

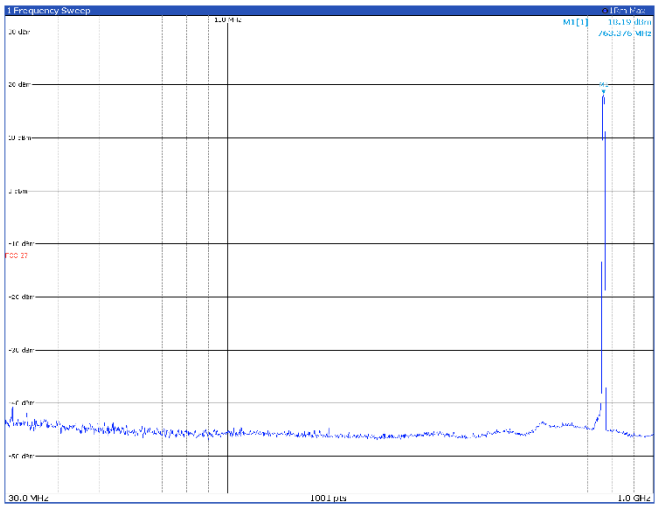
TM3p1a, 10 MHz, mid channel

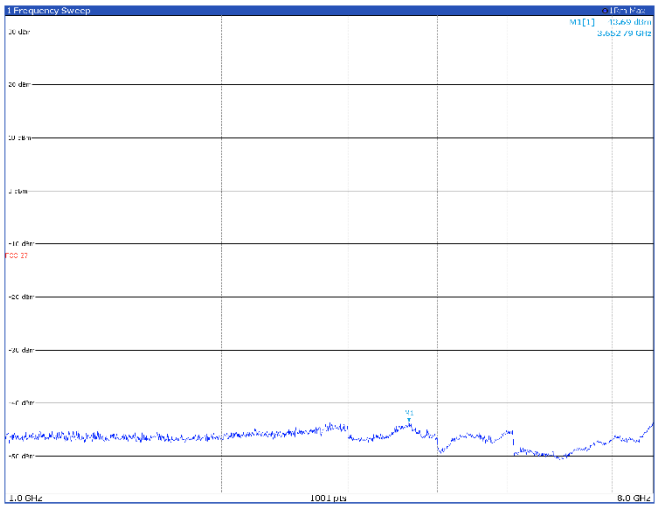




Limit exceeded by the carrier

TM3p3, 10 MHz, mid channel

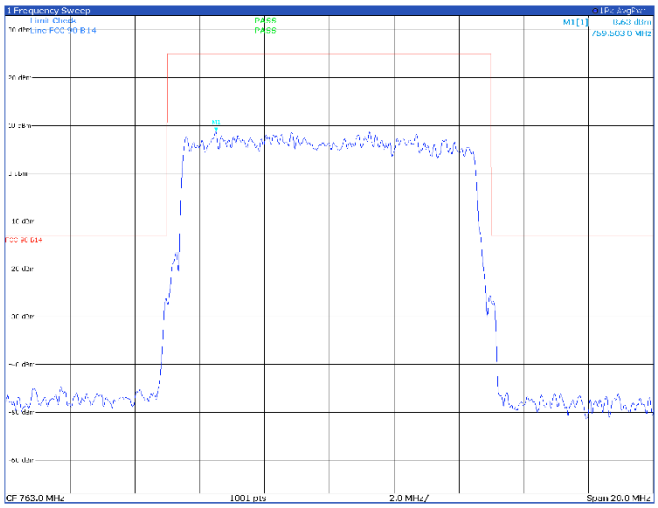




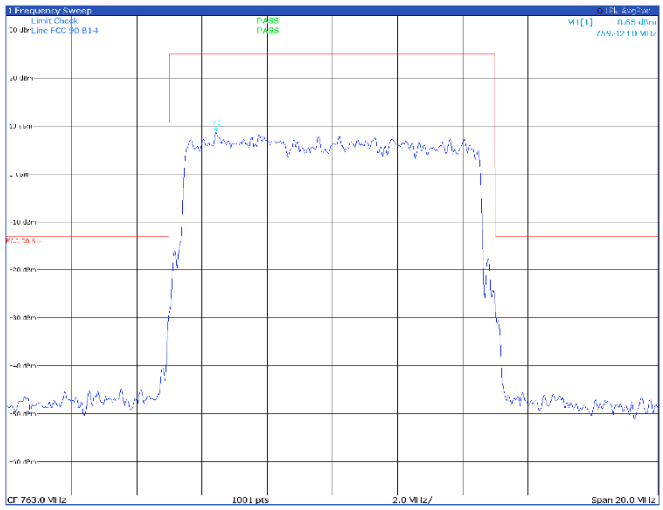
Limit exceeded by the carrier

Band B14 – band edge Antenna port 1 **10 MHz**

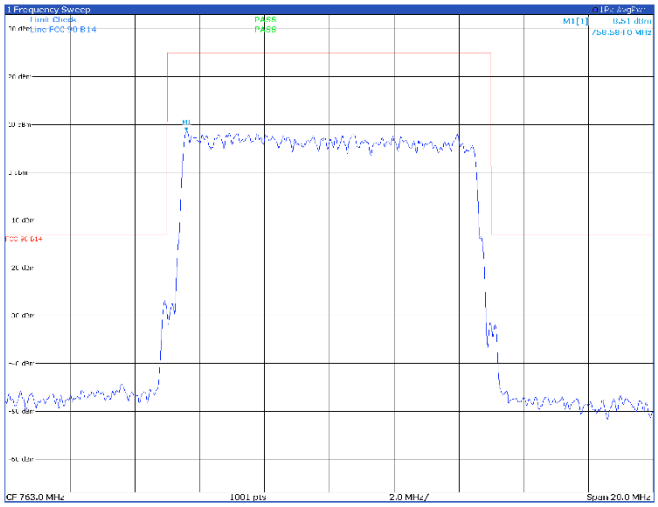
TM1.1, 10 MHz, mid channel



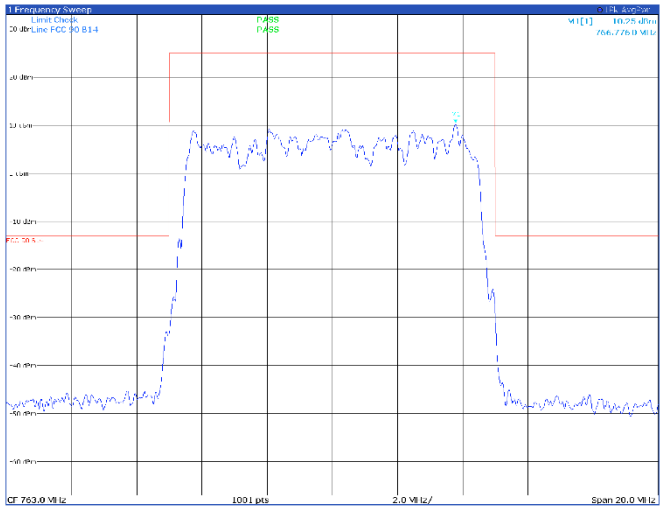
TM3p1, 10 MHz, mid channel



TM3p1a, 10 MHz, mid channel

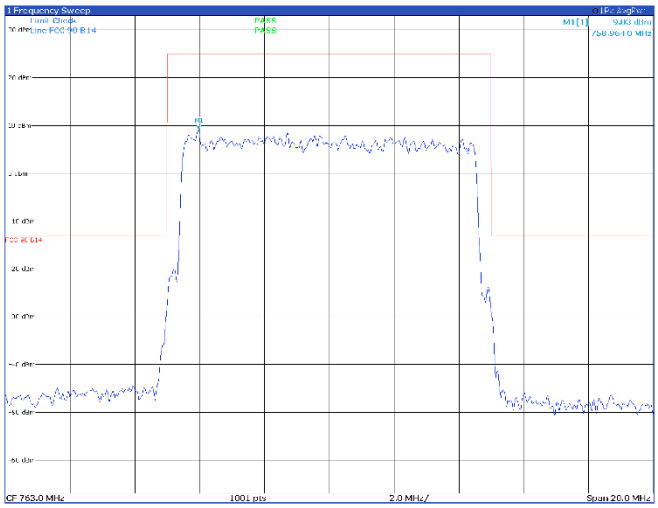


TM3p3, 10 MHz, mid channel

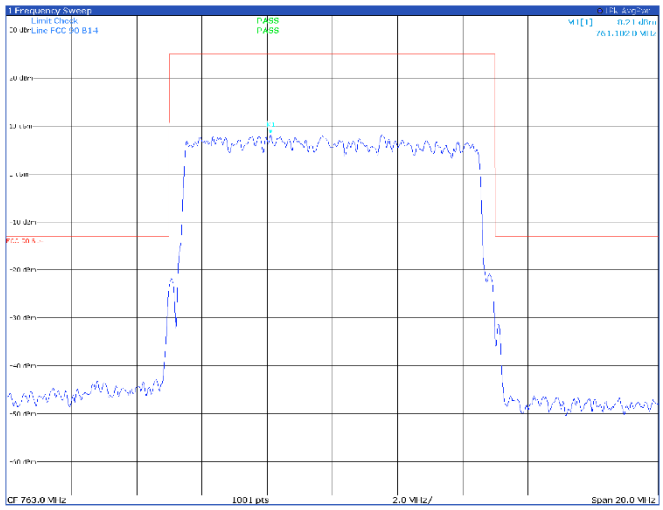


Band B14 – band edge Antenna port 2 **10 MHz**

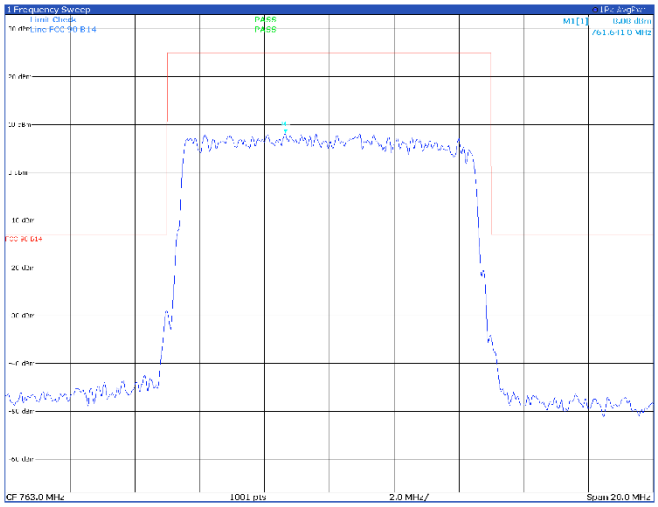
TM1.1, 10 MHz, mid channel



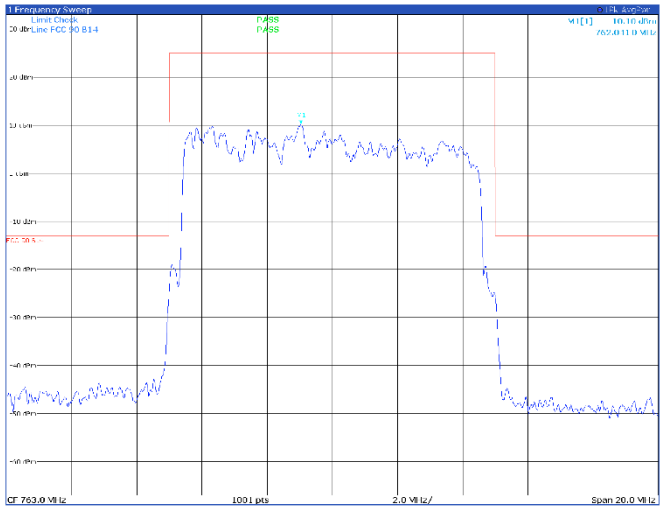
TM3p1, 10 MHz, mid channel

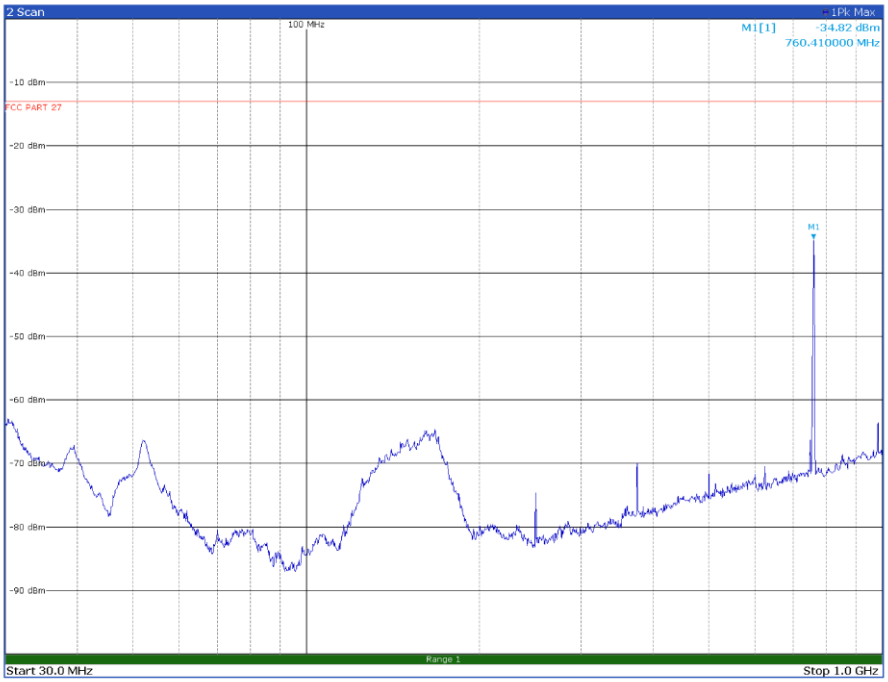


TM3p1a, 10 MHz, mid channel

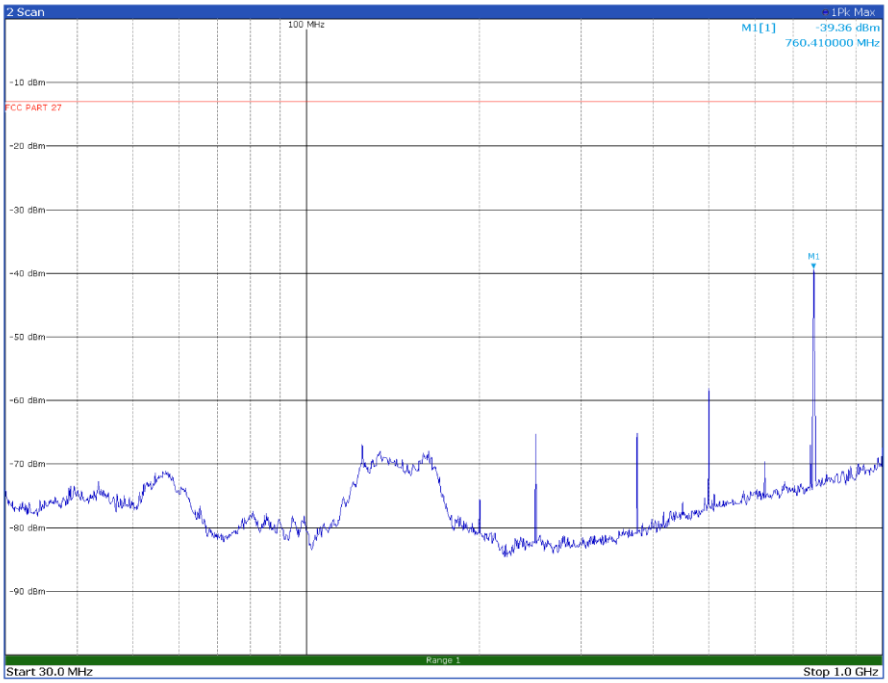


TM3p3, 10 MHz, mid channel

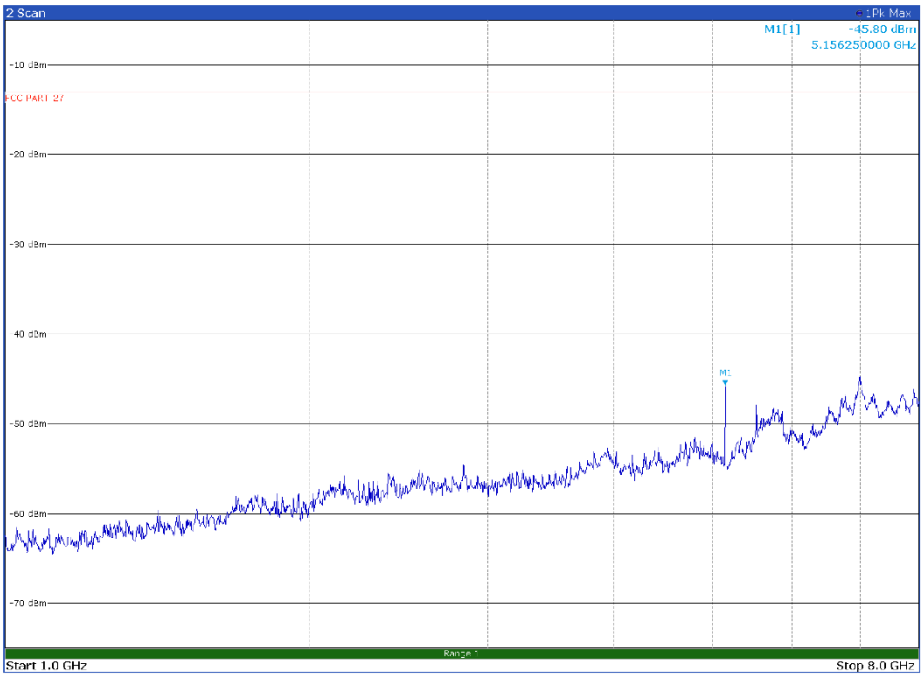




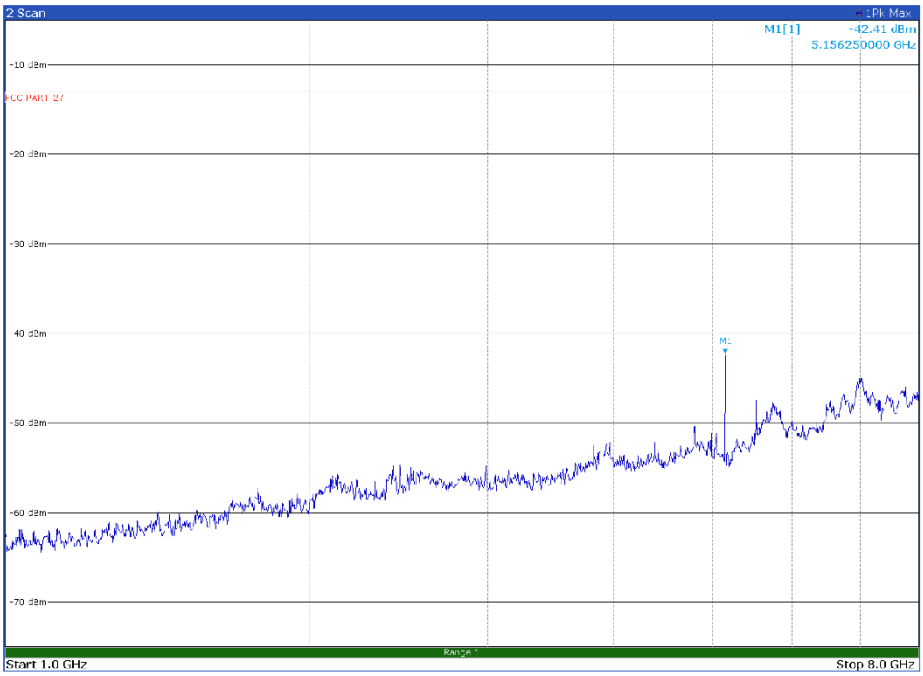
Radiated emissions spectral plot (30 MHz - 1 GHz), vertical polarization, low channel, TM1.1 modulation



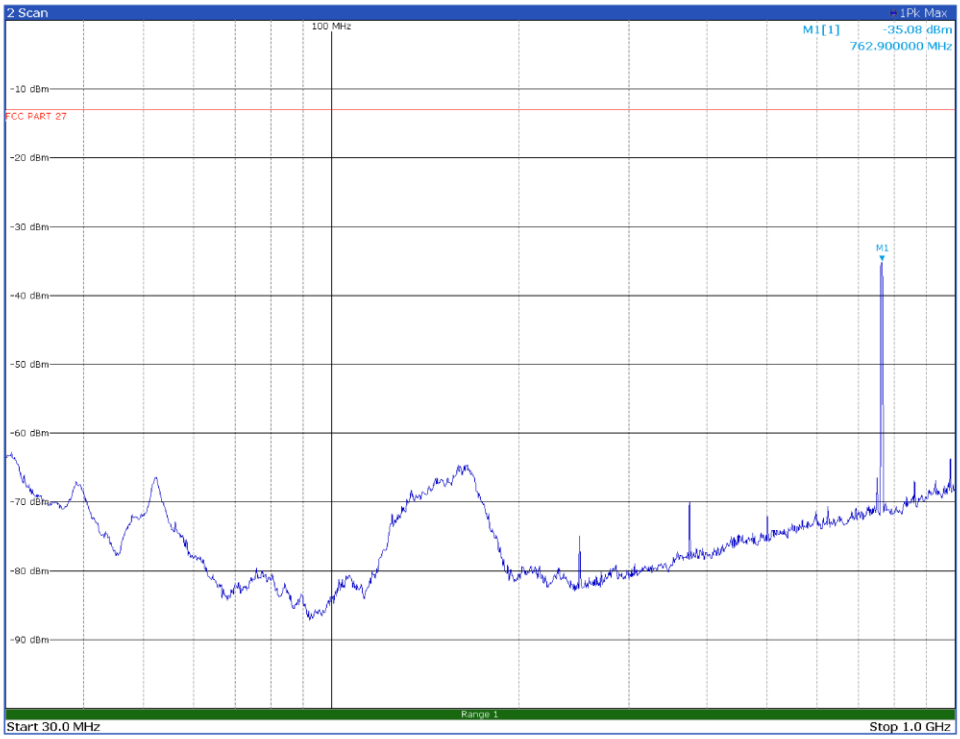
Radiated emissions spectral plot (30 MHz - 1 GHz), horizontal polarization, low channel, TM1.1 modulation



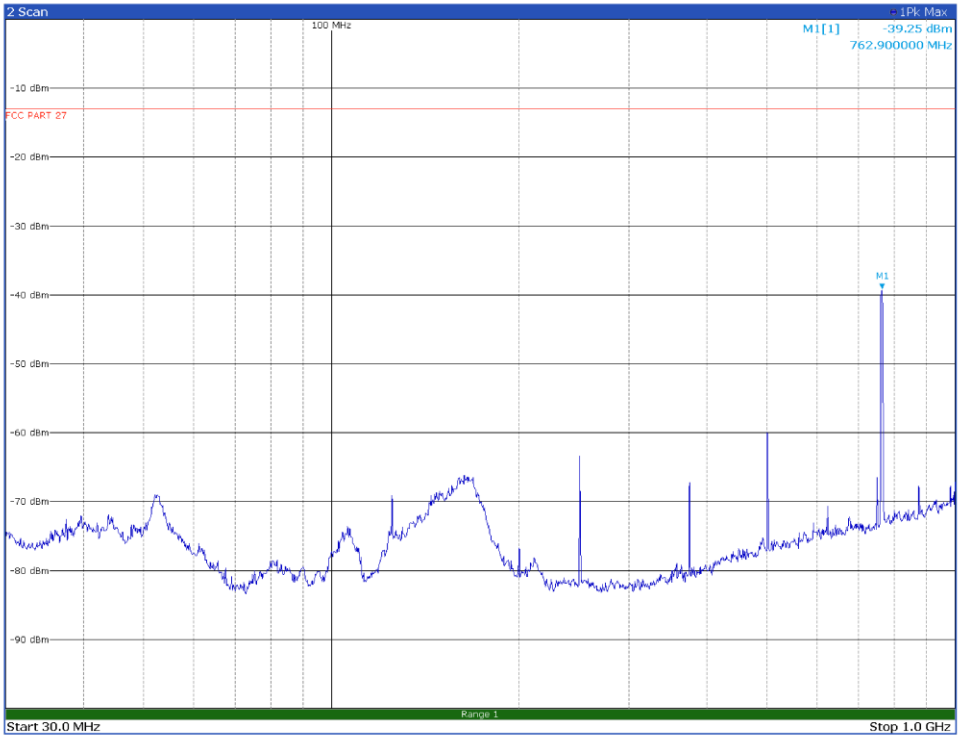
Radiated emissions spectral plot (1 GHz - 8 GHz), vertical polarization, low channel, TM1.1 modulation



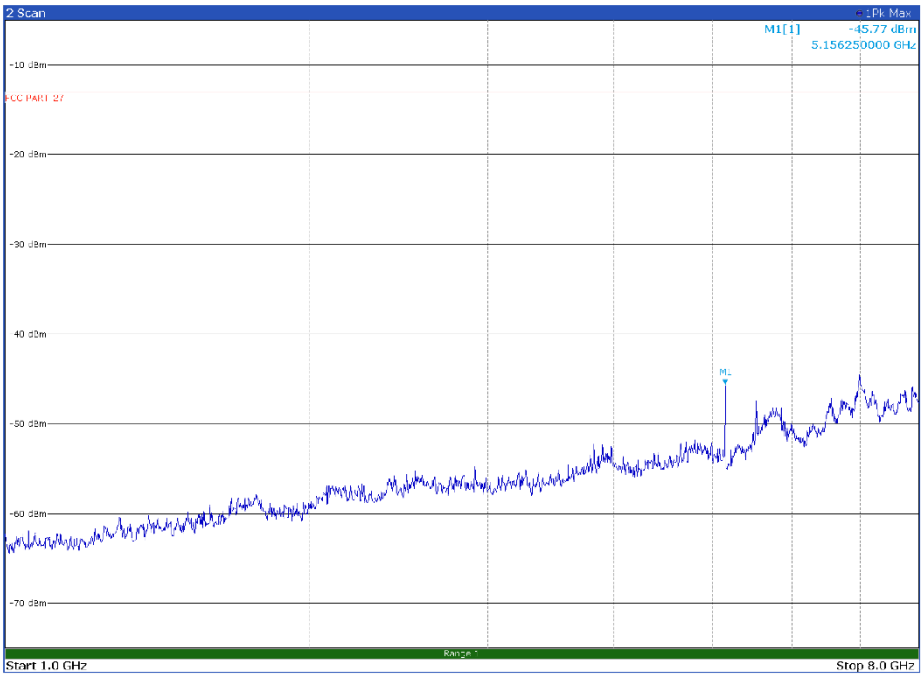
Radiated emissions spectral plot (1 GHz - 8 GHz), horizontal polarization, low channel, TM1.1 modulation



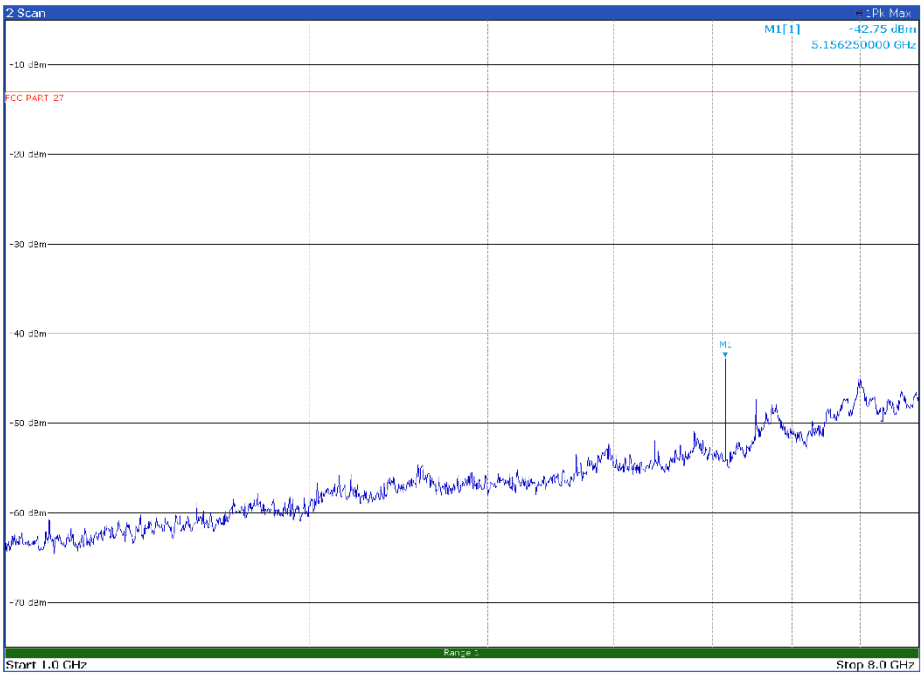
Radiated emissions spectral plot (30 MHz - 1 GHz), vertical polarization, mid channel, TM1.1 modulation



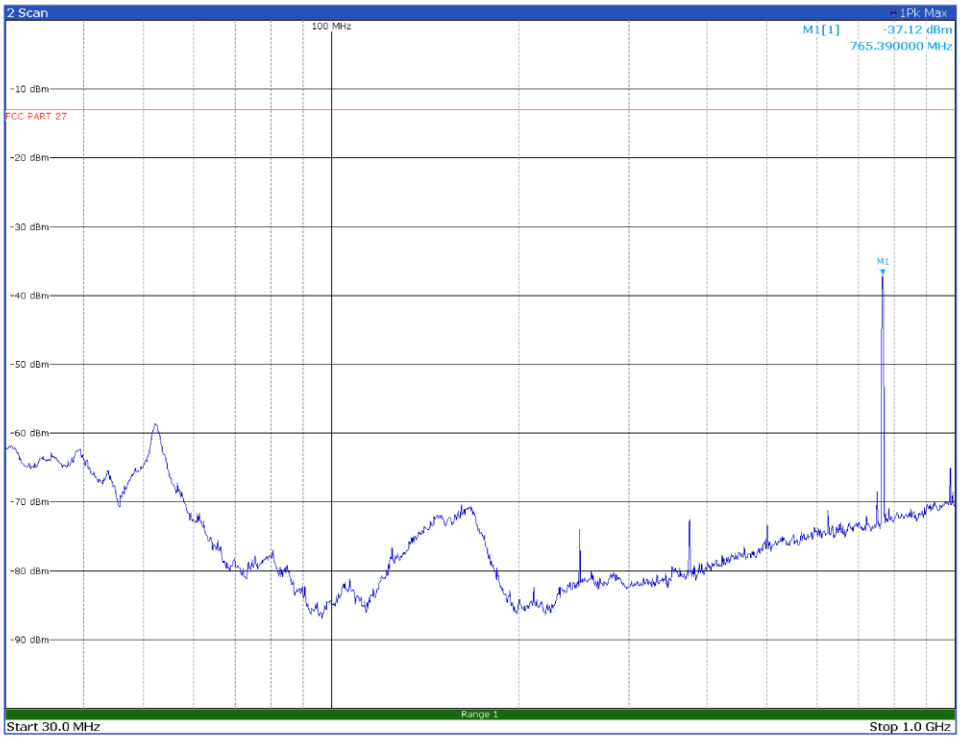
Radiated emissions spectral plot (30 MHz - 1 GHz), horizontal polarization, mid channel, TM1.1 modulation



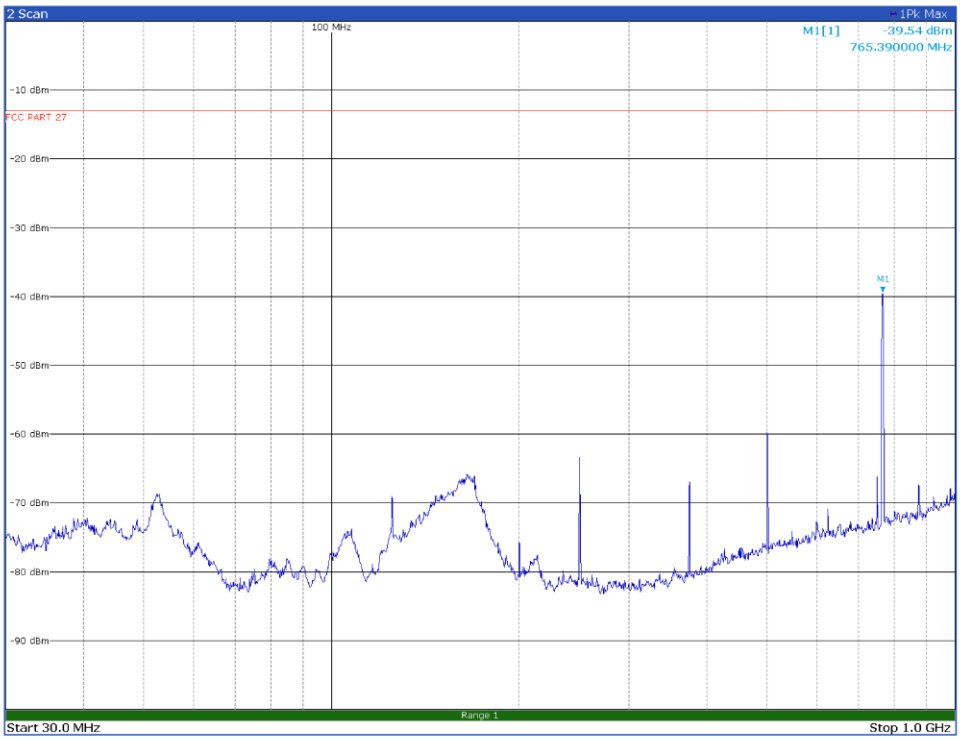
Radiated emissions spectral plot (1 GHz - 8 GHz), vertical polarization, mid channel, TM1.1 modulation



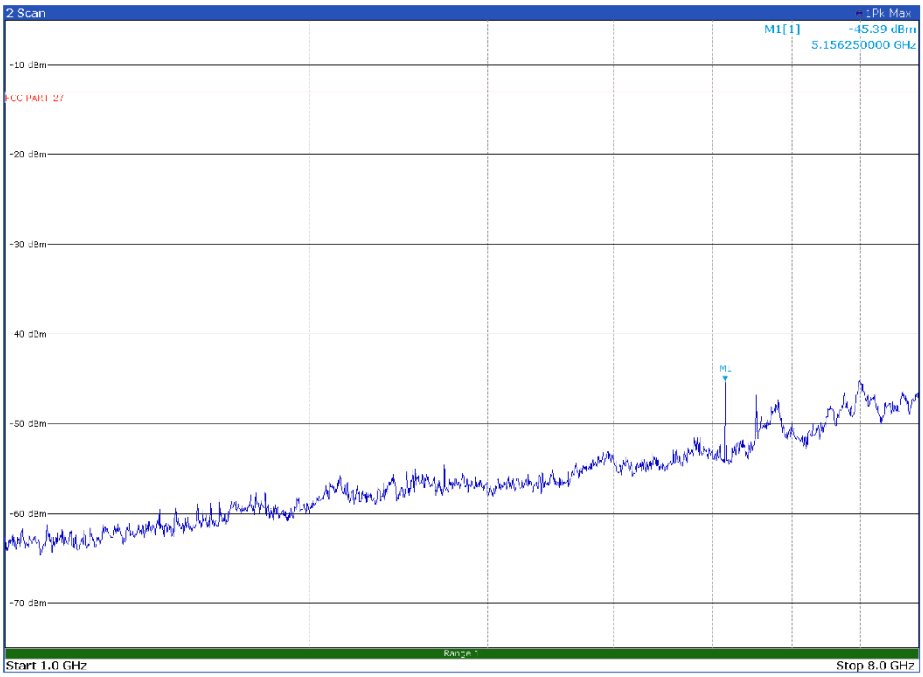
Radiated emissions spectral plot (1 GHz - 8 GHz), horizontal polarization, mid channel, TM1.1 modulation



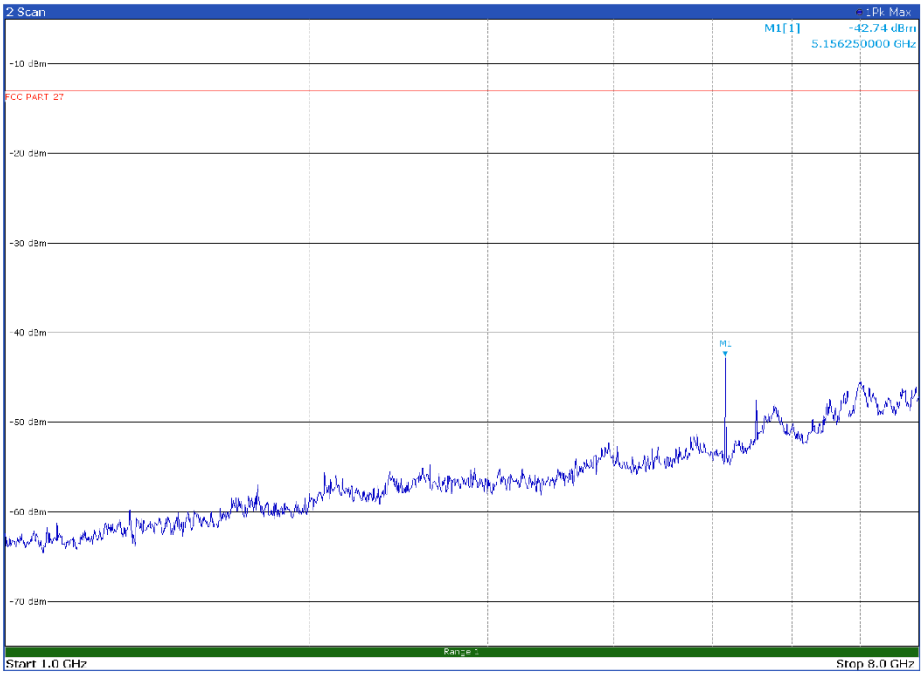
Radiated emissions spectral plot (30 MHz - 1GHz), vertical polarization, high channel, TM1.1 modulation



Radiated emissions spectral plot (30 MHz - 1GHz), horizontal polarization, high channel, TM1.1 modulation



Radiated emissions spectral plot (1 GHz - 8 GHz), vertical polarization, high channel, TM1.1 modulation



Radiated emissions spectral plot (1 GHz - 8 GHz), horizontal polarization, high channel, TM1.1 modulation

8.7 FCC §90.539 Frequency stability.

8.7.1 Definitions and limits

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

8.7.2 Test summary

Test date	November 29, 2024	Temperature	21 °C
Test engineer	O. Frau	Air pressure	1005 mbar
Verdict	Pass	Relative humidity	64%

8.7.3 Observations, settings and special notes

The EUT was configured to continuously transmit an un-modulated continuous wave signal. The frequency measurement was performed using the marker-signal count functionality of the spectrum analyzer. The only requirement from Part 90 is that the carrier stays within the allocated band.

8.7.4 Test data

Band B14:

*Table **Errore. Per applicare Heading 2 al testo da visualizzare in questo punto, utilizzare la scheda Home.**-1: Frequency stability results, band B14*

Test conditions	Frequency, Hz	Drift, Hz	Drift, ppm
+50 °C, Nominal	763000990.0	1000.0	1.31
+40 °C, Nominal	763000230.0	240.0	0.31
+30 °C, Nominal	762999670.0	-320.0	-0.42
+20 °C, +15%	763000140.0	150.0	0.20
+20 °C, Nominal	762999990.0	Reference	Reference
+20 °C, -15%	762999730.0	-260.0	-0.34
+10 °C, Nominal	763000090.0	100.0	0.13
0 °C, Nominal	763000210.0	220.0	0.29
-10 °C, Nominal	763000280.0	290.0	0.38
-20 °C, Nominal	763000570.0	580.0	0.76
-30 °C, Nominal	763000710.0	720.0	0.94

Section 9. Block diagrams of test setups

9.1 Conducted emissions set-up

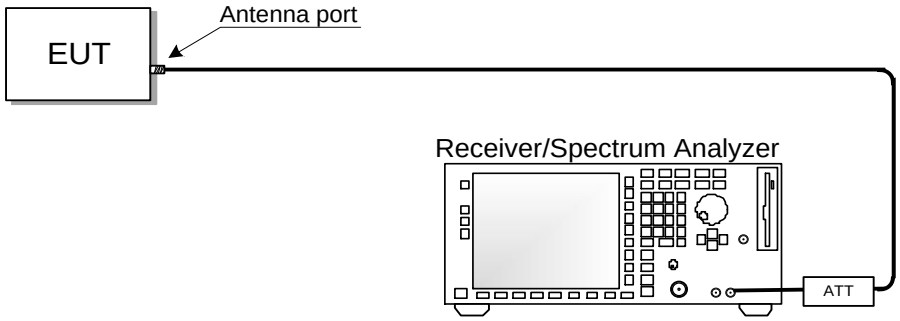


Figure 9.1-1: Conducted setup

9.2 Radiated emissions set-up

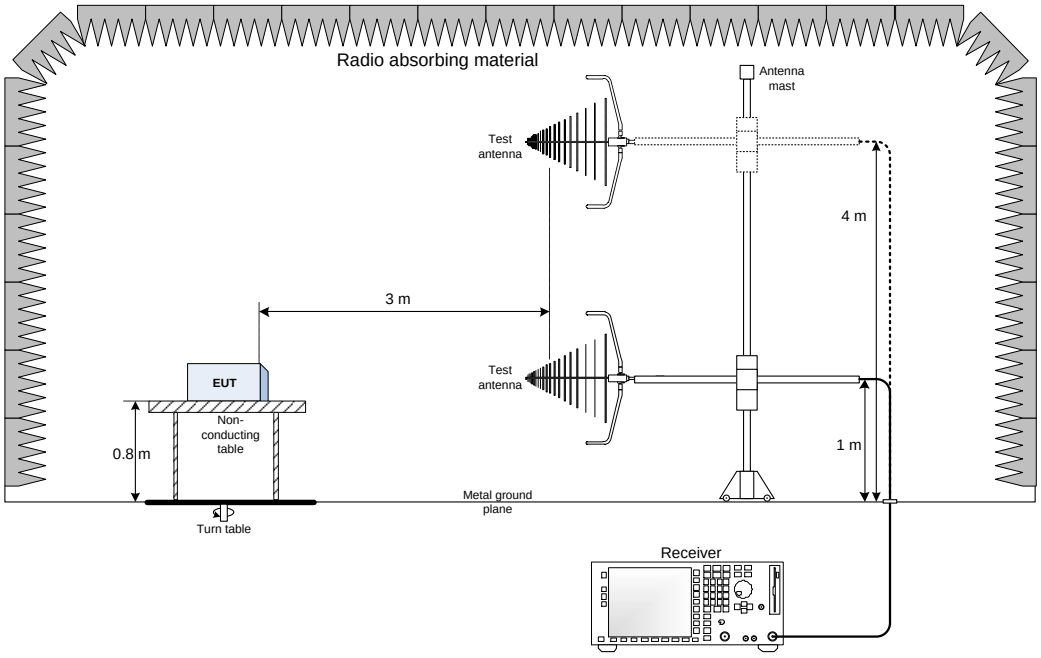


Figure 9.2-1: Below 1 GHz setup

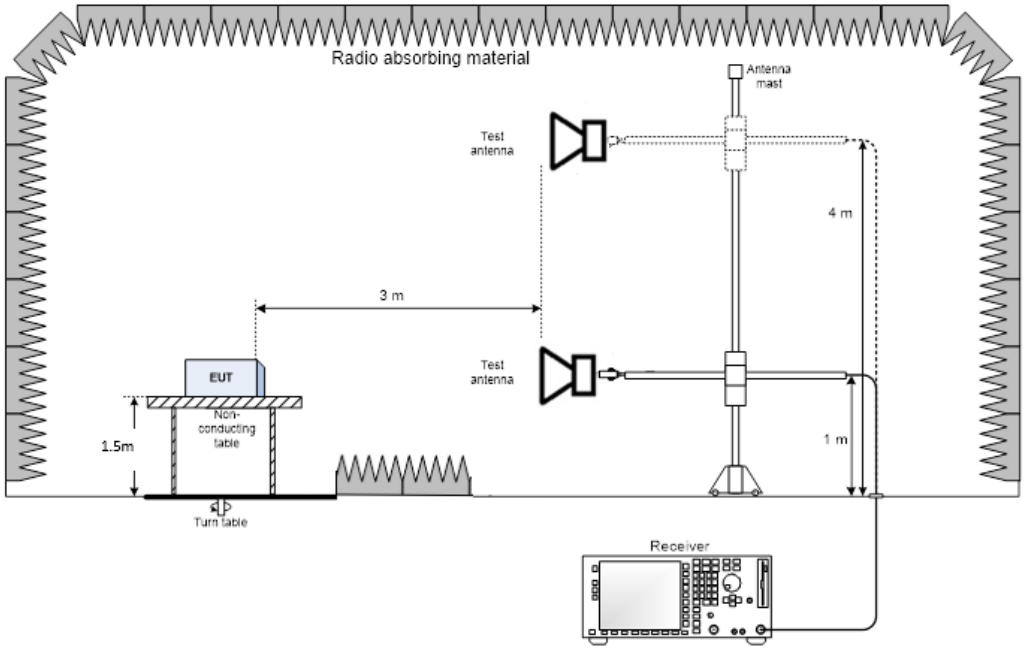


Figure 9.2-2: Above 1GHz setup

End of Report