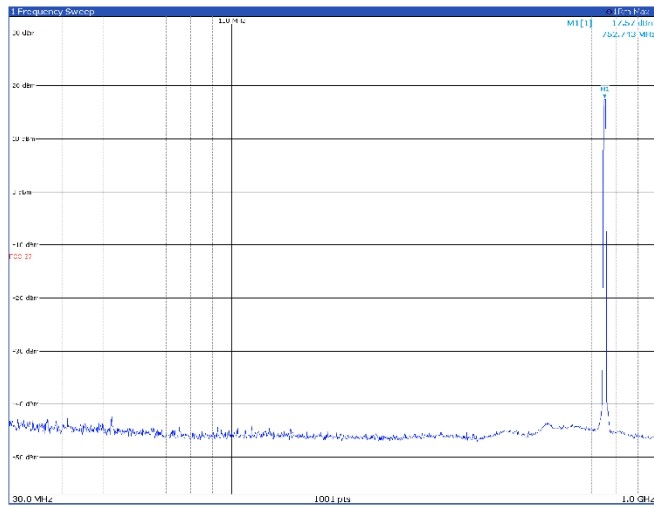


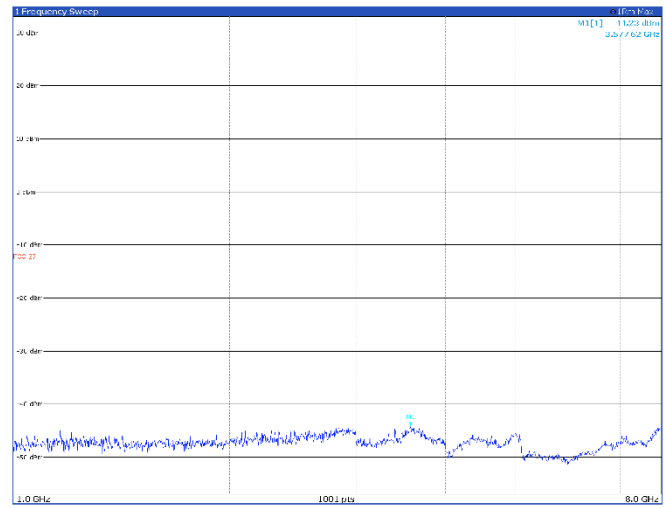
Band n13 – conducted emissions Antenna port 1

10 MHz

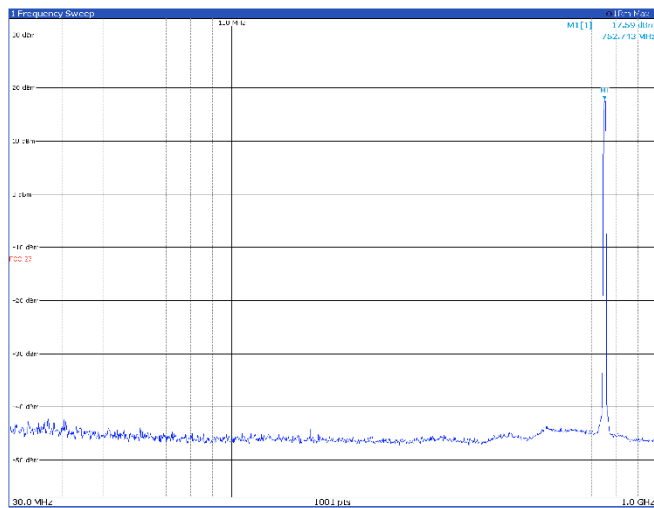
TM1.1, 10 MHz, mid channel



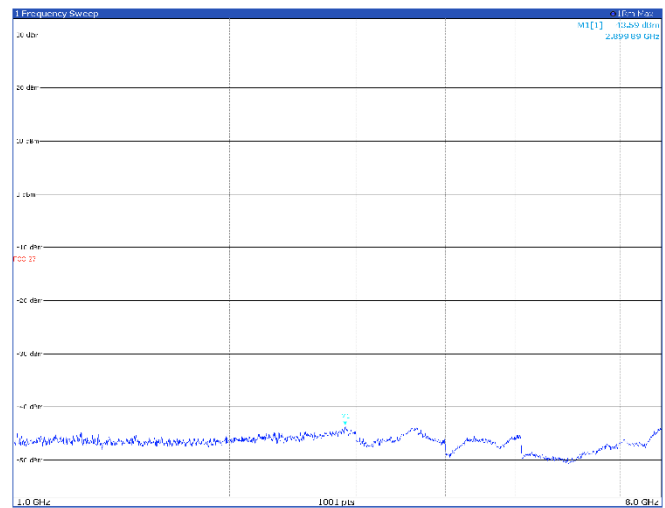
Limit exceeded by the carrier



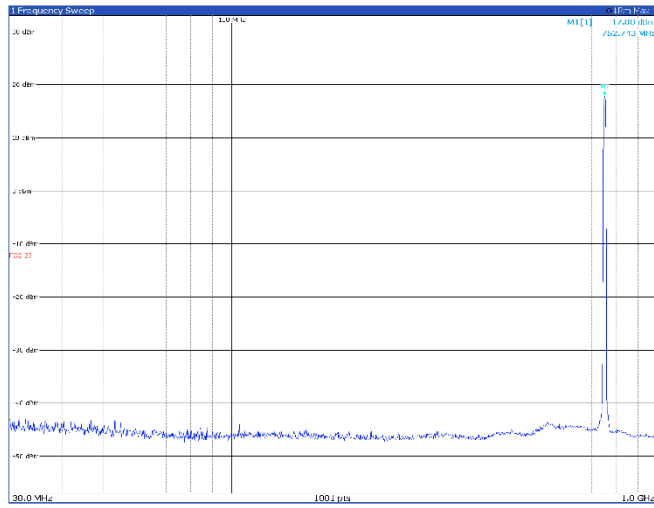
TM3p1, 10 MHz, mid channel



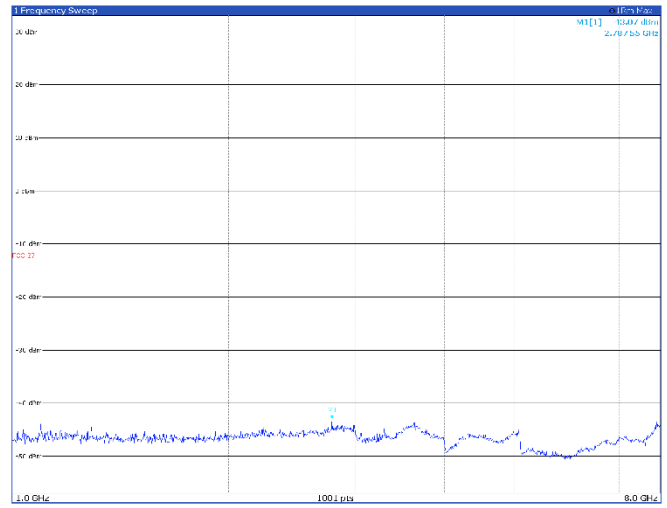
Limit exceeded by the carrier



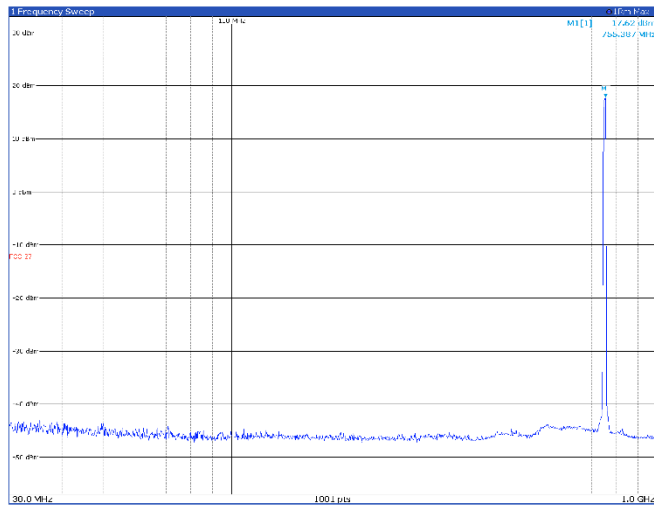
TM3p1a, 10 MHz, mid channel



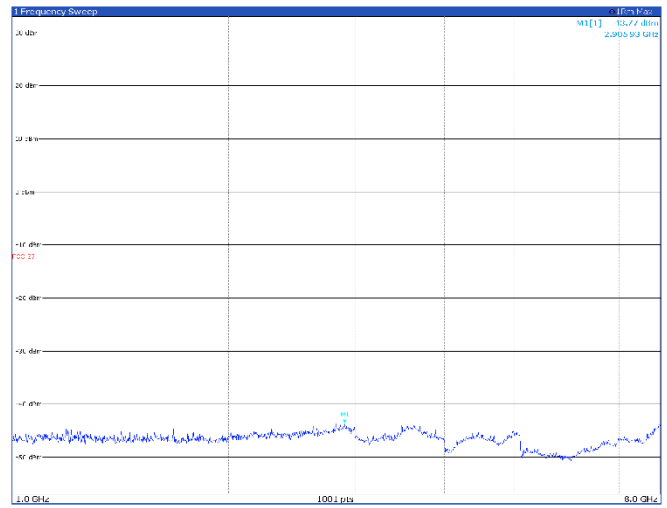
Limit exceeded by the carrier



TM3p3, 10 MHz, mid channel



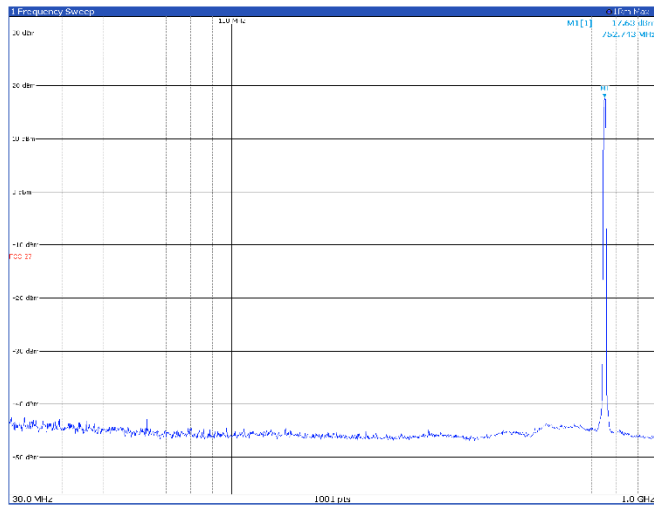
Limit exceeded by the carrier



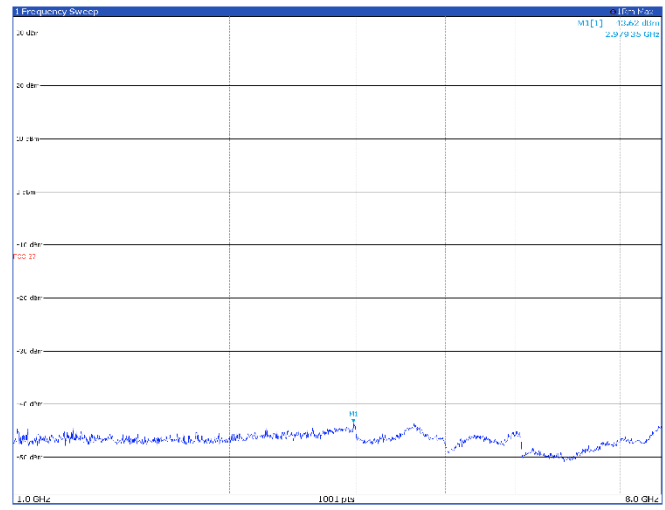
Band n13 – conducted emissions Antenna port 2

10 MHz

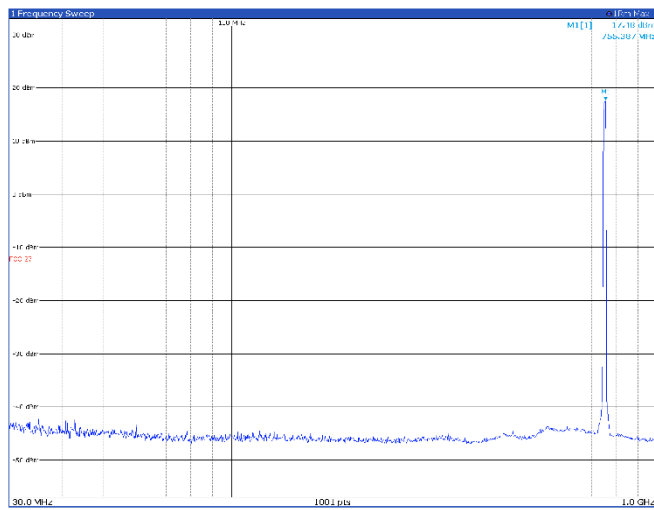
TM1.1, 10 MHz, mid channel



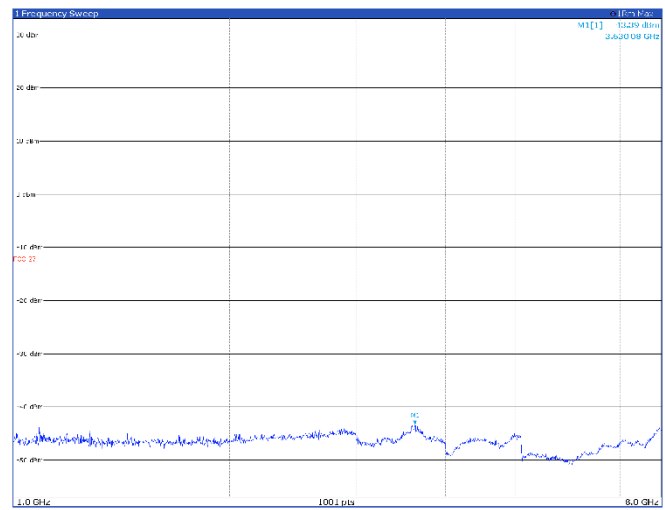
Limit exceeded by the carrier



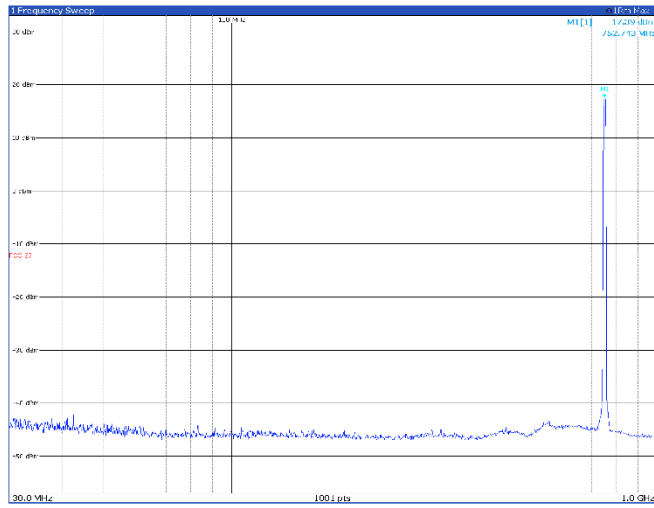
TM3p1, 10 MHz, mid channel



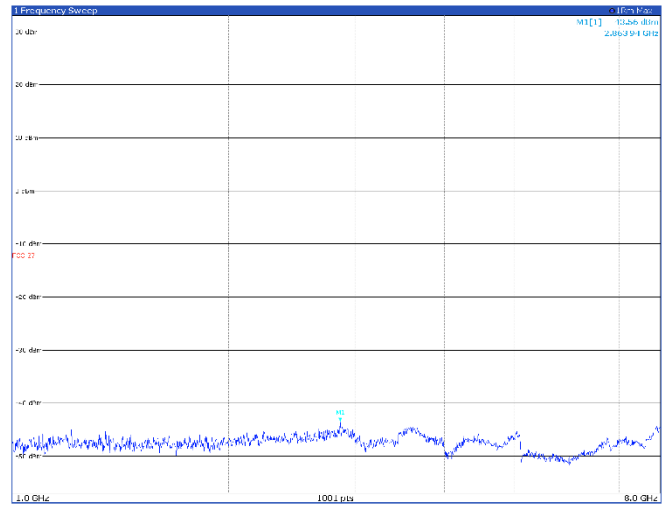
Limit exceeded by the carrier



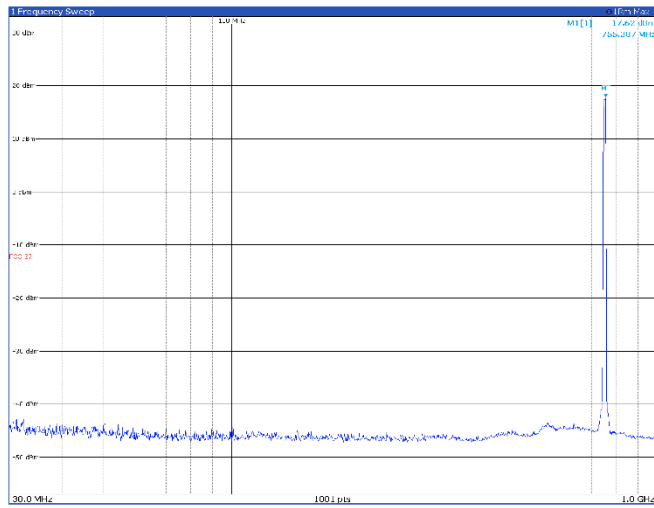
TM3p1a, 10 MHz, mid channel



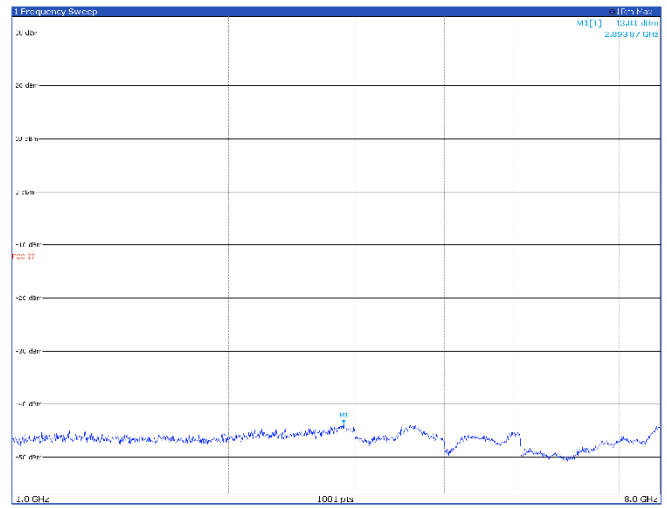
Limit exceeded by the carrier



TM3p3, 10 MHz, mid channel



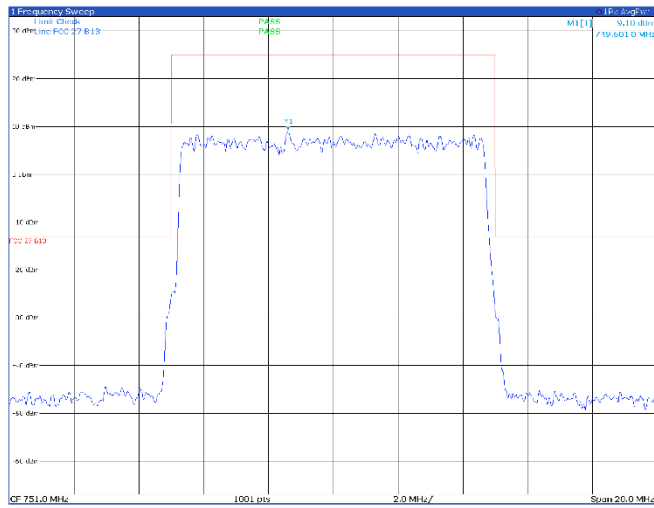
Limit exceeded by the carrier



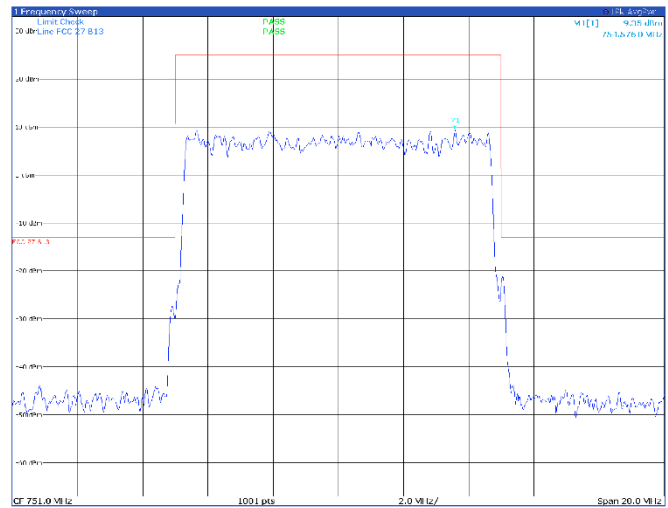
Band n13 – band edge Antenna port 1

10 MHz

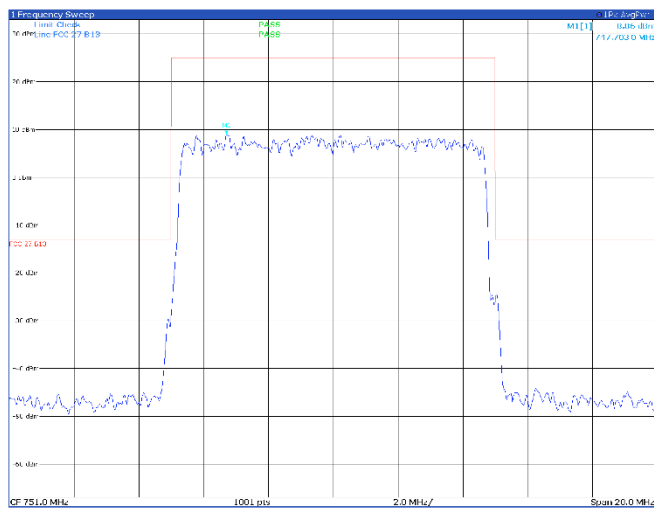
TM1.1, 10 MHz, mid channel



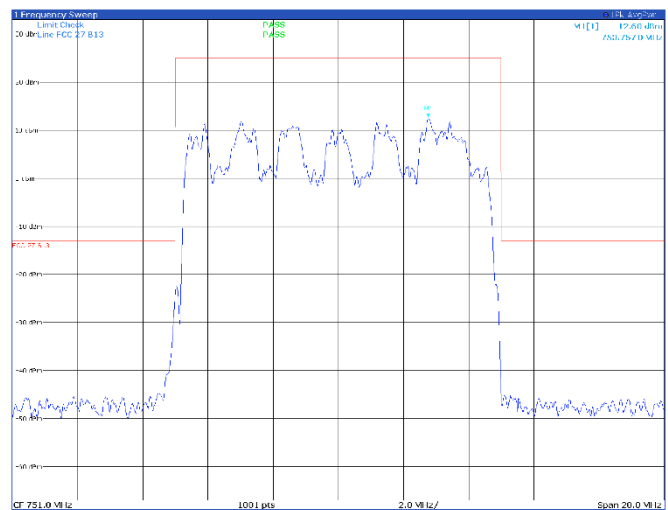
TM3p1, 10 MHz, mid channel



TM3p1a, 10 MHz, mid channel



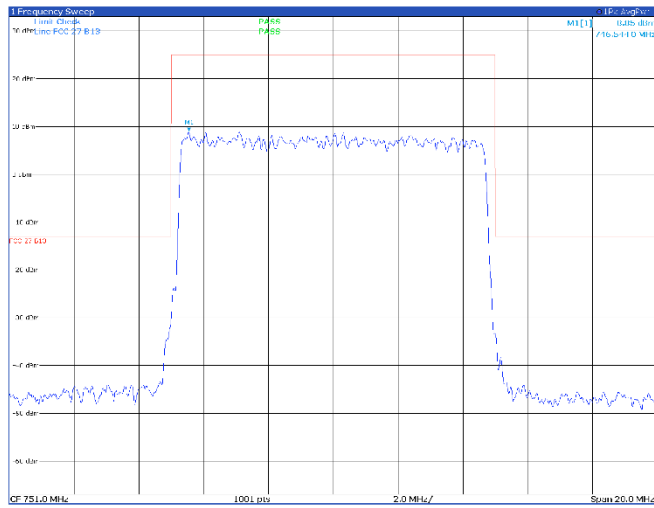
TM3p3, 10 MHz, mid channel



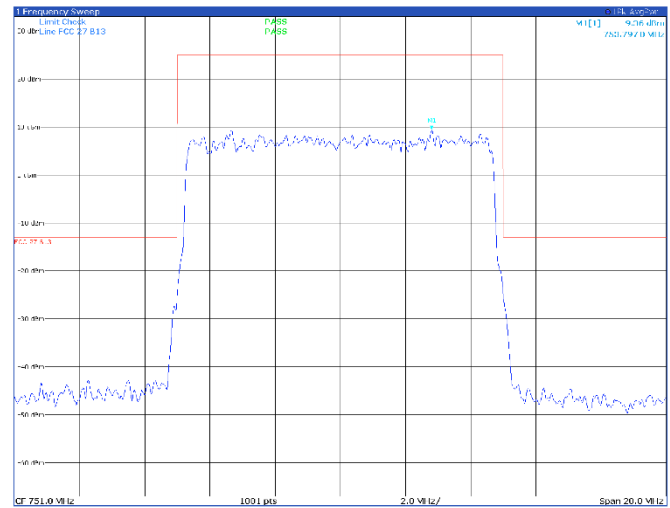
Band n13 – band edge Antenna port 2

10 MHz

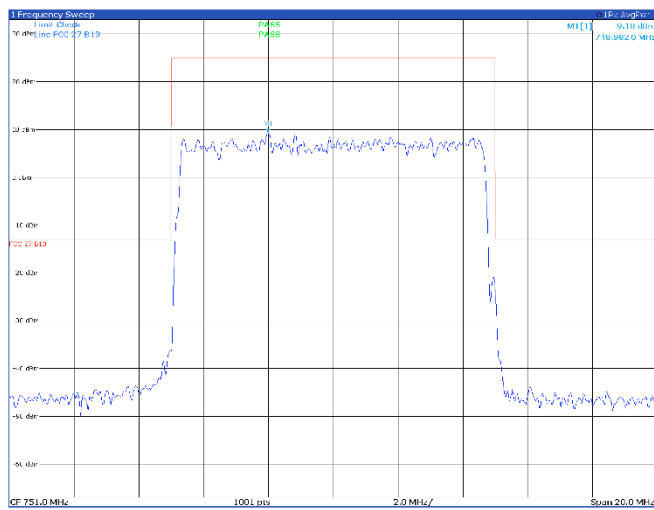
TM1.1, 10 MHz, mid channel



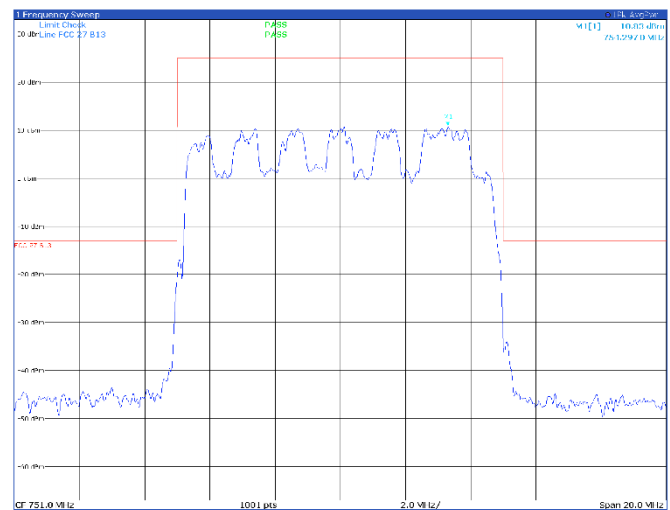
TM3p1, 10 MHz, mid channel



TM3p1a, 10 MHz, mid channel

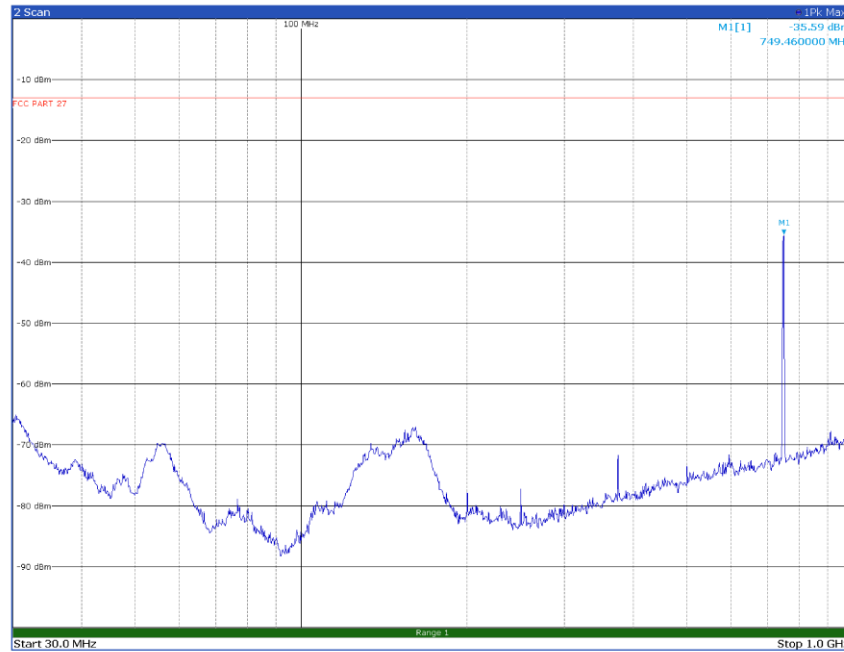


TM3p3, 10 MHz, mid channel

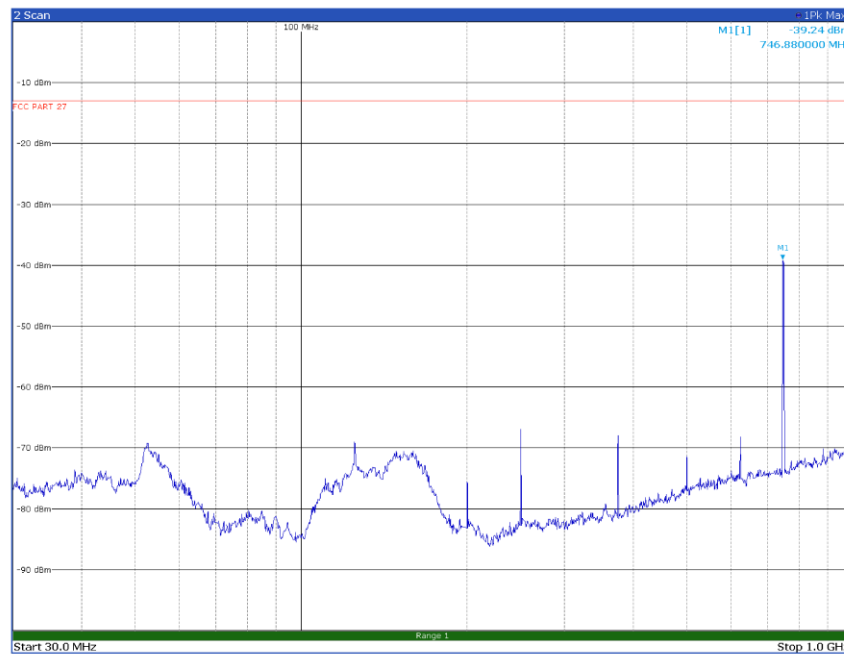


Band n13 – radiated spurious emissions

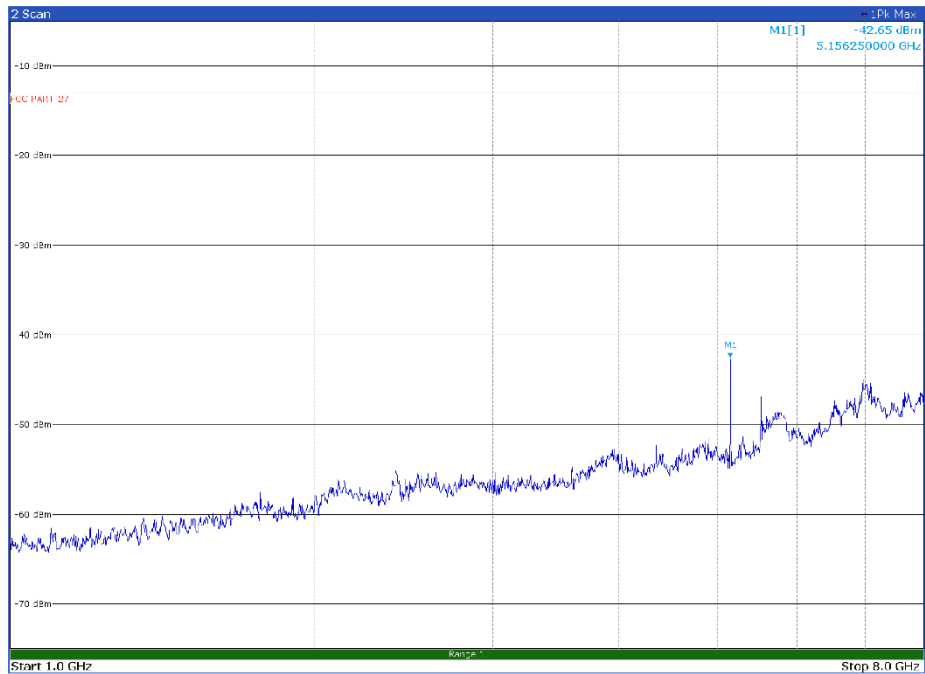
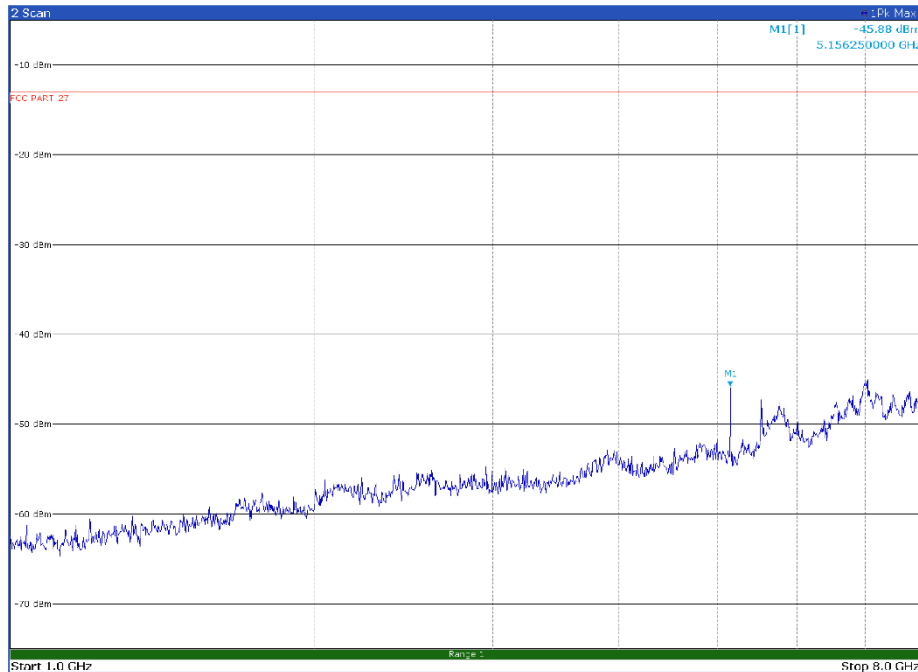
5 MHz

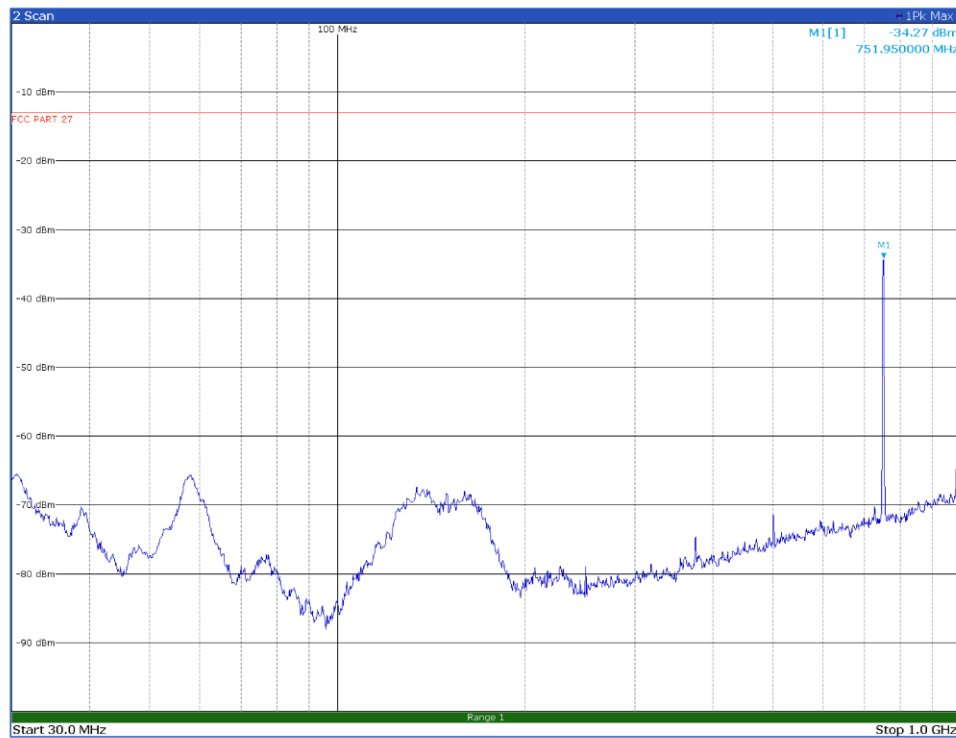


Radiated emissions spectral plot (30 MHz - 1 GHz), vertical polarization, low channel, TM3p1a modulation

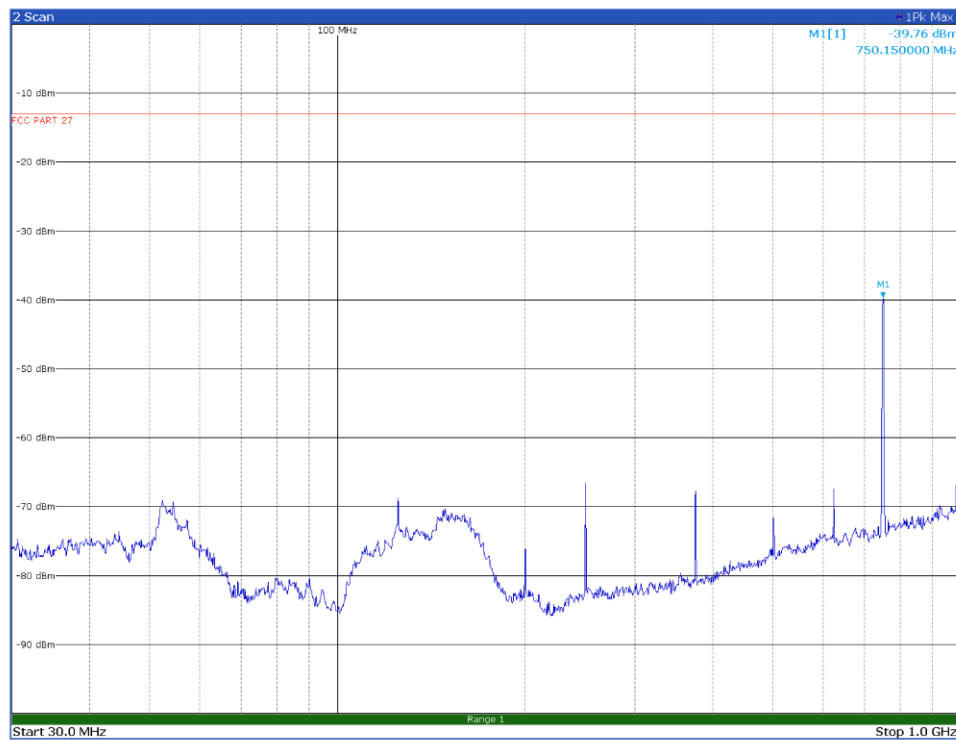


Radiated emissions spectral plot (30 MHz - 1 GHz), horizontal polarization, low channel, TM3p1a modulation

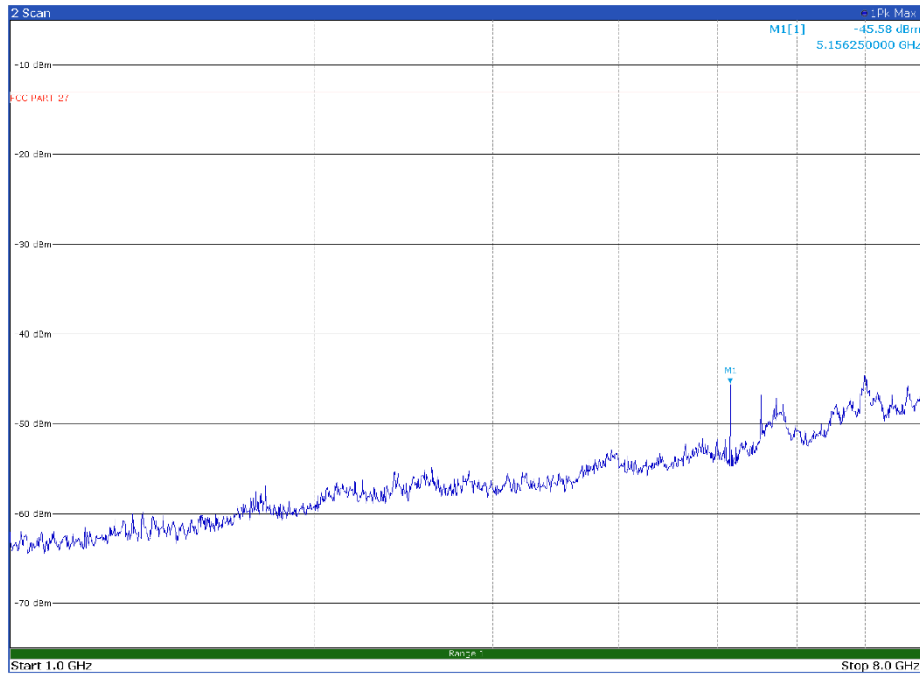




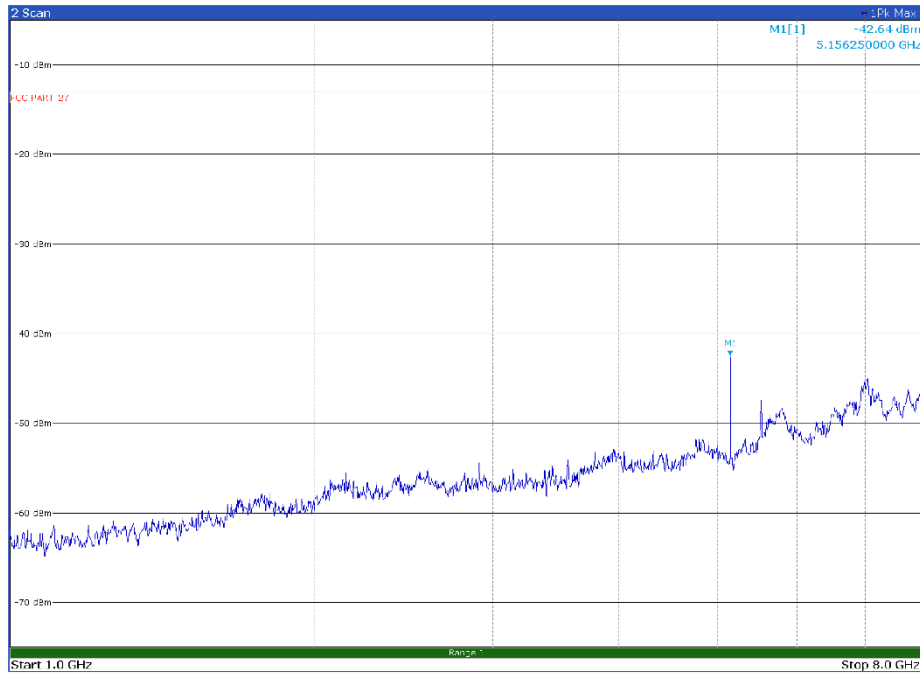
Radiated emissions spectral plot (30 MHz - 1 GHz), vertical polarization, mid channel, TM3p1a modulation



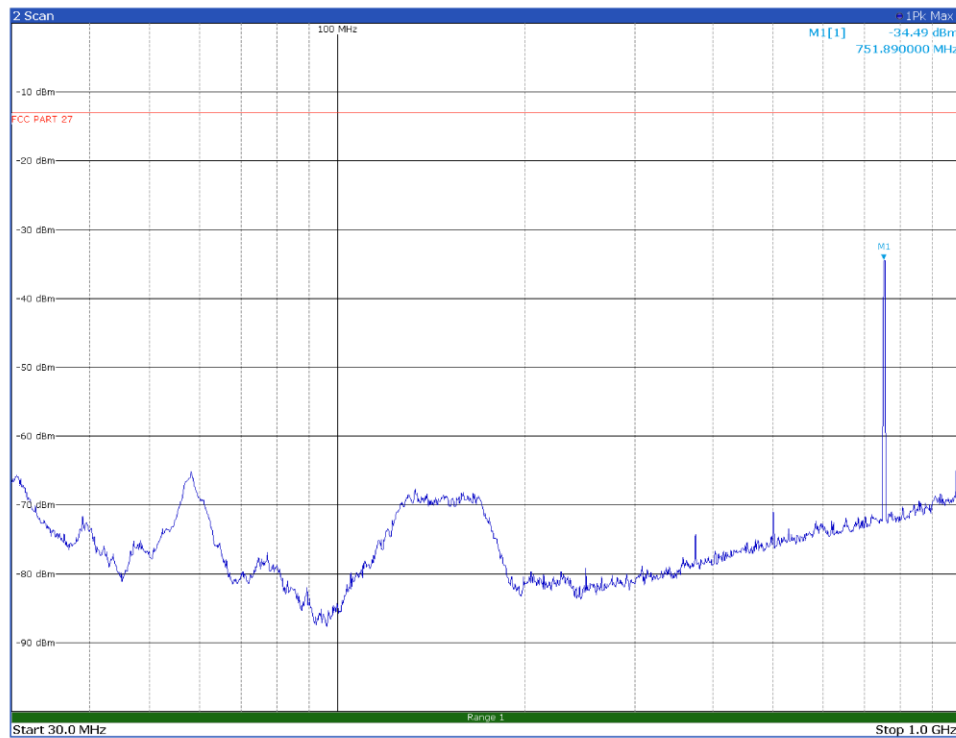
Radiated emissions spectral plot (30 MHz - 1 GHz), horizontal polarization, mid channel, TM3p1a modulation



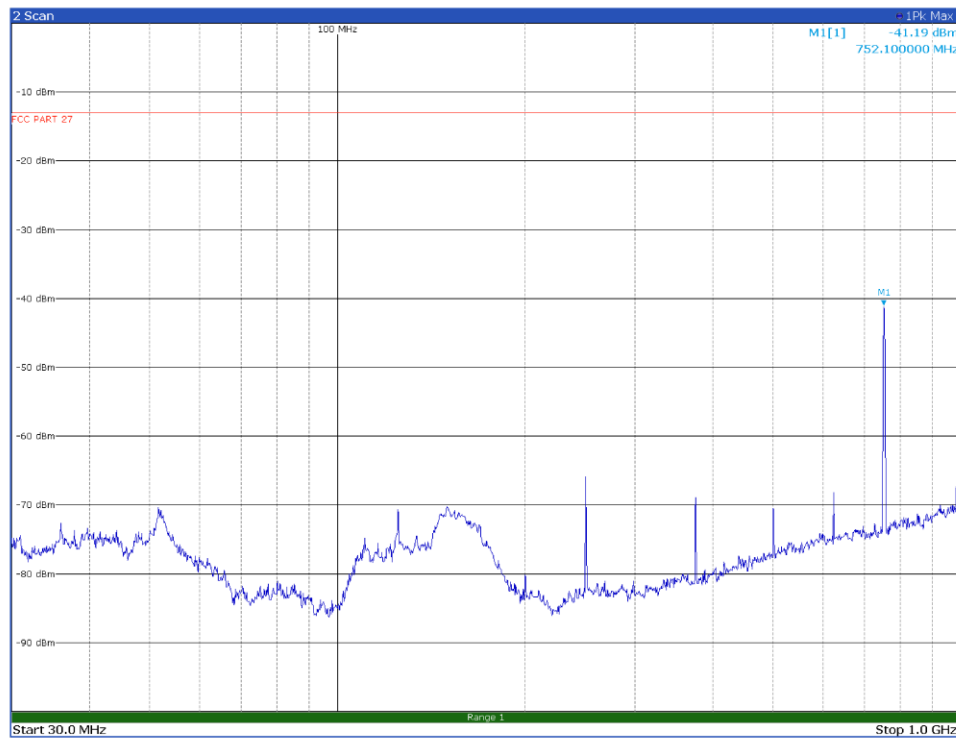
Radiated emissions spectral plot (1 GHz - 8 GHz), vertical polarization, mid channel, TM3p1a modulation



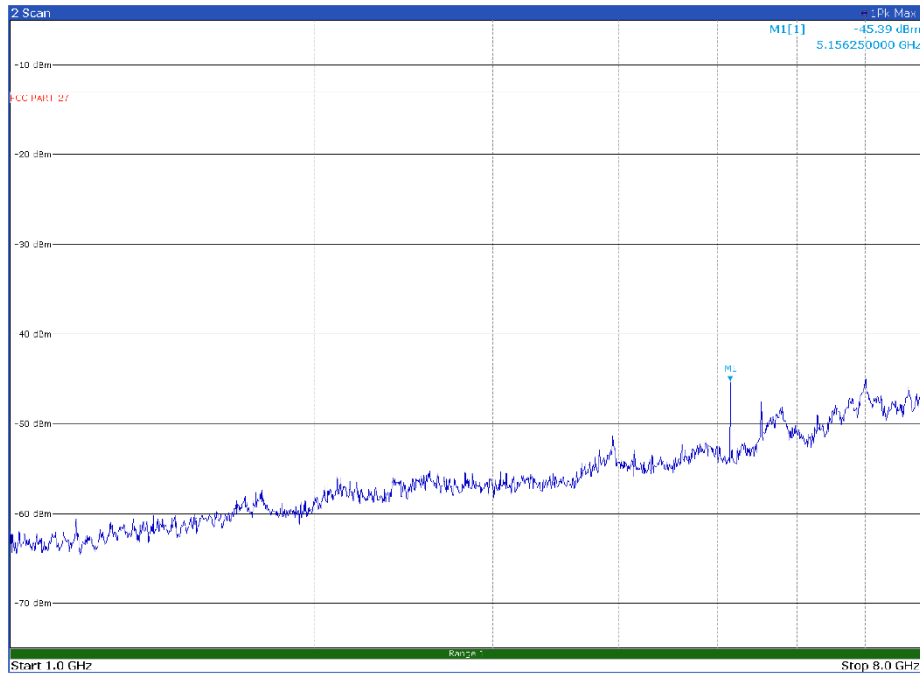
Radiated emissions spectral plot (1 GHz - 8 GHz), horizontal polarization, mid channel, TM3p1a modulation



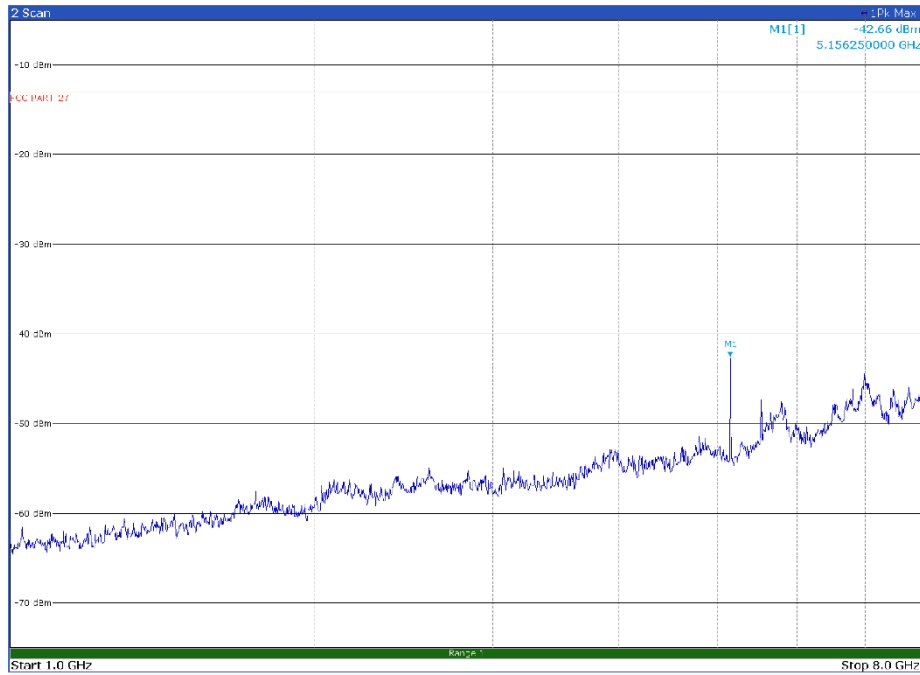
Radiated emissions spectral plot (30 MHz - 1GHz), vertical polarization, high channel, TM3p1a modulation



Radiated emissions spectral plot (30 MHz - 1GHz), horizontal polarization, high channel, TM3p1a modulation



Radiated emissions spectral plot (1 GHz - 8 GHz), vertical polarization, high channel, TM3p1a modulation



Radiated emissions spectral plot (1 GHz - 8 GHz), horizontal polarization, high channel, TM3p1a modulation

8.7 FCC §27.54 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 20, 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 27 is that the carrier stays within the allocated band.

8.7.4 Test data

Band n13:

Table Error. Per applicare Heading 2 al testo da visualizzare in questo punto, utilizzare la scheda Home.-1: Frequency stability results, band n13

Test conditions	Frequency, Hz	Drift, Hz	Drift, ppm
+50 °C, Nominal	750988660.0	860.0	1.15
+40 °C, Nominal	750988120.0	320.0	0.43
+30 °C, Nominal	750987410.0	-390.0	-0.52
+20 °C, +15%	750988050.0	250.0	0.33
+20 °C, Nominal	750987800.0	Reference	Reference
+20 °C, -15%	750987700.0	-100.0	-0.13
+10 °C, Nominal	750987320.0	-480.0	-0.64
0 °C, Nominal	750988000.0	200.0	0.27
-10 °C, Nominal	750988070.0	270.0	0.36
-20 °C, Nominal	750988550.0	750.0	1.00
-30 °C, Nominal	750988410.0	610.0	0.81

Section 9. Block diagrams of test setups

9.1 Conducted emissions set-up

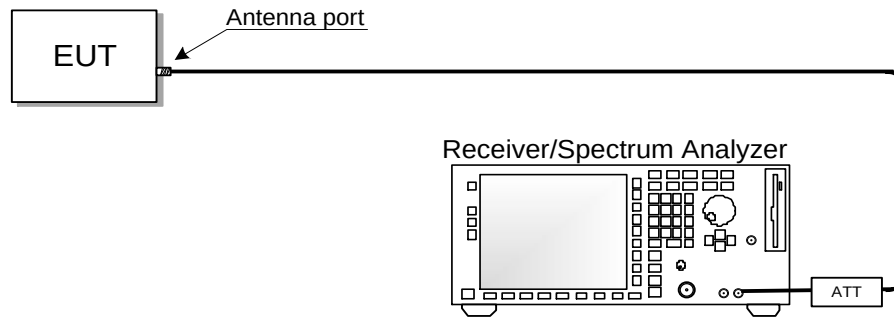


Figure 9.1-1: Conducted setup

9.2 Radiated emissions set-up

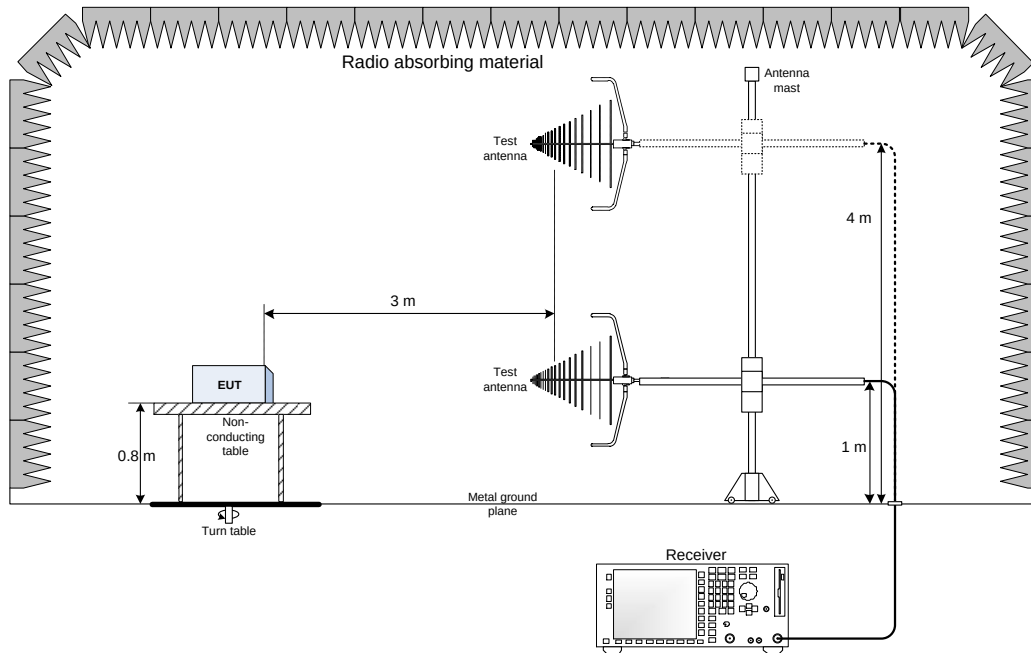


Figure 9.2-1: Below 1 GHz setup

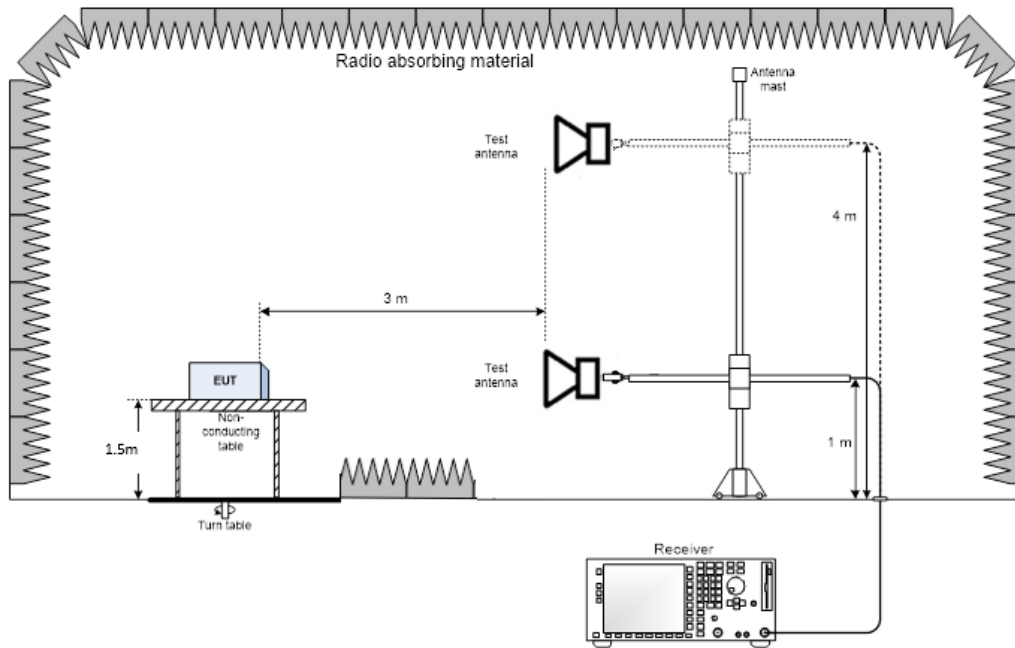


Figure 9.2-2: Above 1GHz setup

End of Report