

Test Report



INTENTIONAL RADIATOR TESTS ACCORDING TO FCC PART 90 AND ISED CANADA REQUIREMENTS

Equipment Under Test: Radio module

Model: TR400900

Type: UHF Radio Module

Manufacturer: Trimble Inc.
4450 Gibson Drive
Tipp City, Ohio 45371
United States

Customer: Trimble Inc.
4450 Gibson Drive
Tipp City, Ohio 45371
United States

FCC Rule Part: 90: October 2019
IC Rule Part: RSS-119, Issue 12, May 2015
KDB: 971168 D01 Power Meas License Digital Systems v03r01
Measurement Guidance for Certification of Licensed Digital Transmitters
(April 9, 2018)

- *partial testing, see test suite for details*

Date: 4 May 2026

Issued by:

A handwritten signature in blue ink, appearing to read 'R. Repo'.

Rauno Repo
Senior EMC Specialist

Date:

4 May 2026

Checked by:

A handwritten signature in blue ink, appearing to read 'Henri Mäki'.

Henri Mäki
Testing Engineer

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GENERAL REMARKS

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

RELEASE HISTORY

Version	Changes	Issued
1.0	Initial release	12 June 2024
1.1	Issue Date updated	4 May 2026

PRODUCT DESCRIPTION

Equipment Under Test

Trade mark: Trimble
Model: TR400900
Type: UHF Radio Module
Serial no: 6403C01901
FCC ID: S9E123130
IC: 5817A-123130

General Description

The equipment under test is a dual-band radio module using 410-473 MHz / 902-928 MHz bands. Only one of the bands can be operated at a time. This test report contains the results for 400 MHz radio. The results for 900 MHz radio are presented in Test Report HELEM2405000174-1.

Classification

Fixed device ☒
Mobile Device (Human body distance > 20cm) ☒
Portable Device (Human body distance < 20cm) ☐

Ports and cables

Cable / Port	Description
Serial port RS232	Device configuration and data communication. Unshielded
DC input port	9-16 VDC (12 V used during testing)
Antenna port	50Ω TNC (female)

Specifications

Frequency: 410-470 MHz
Channel width: 12.5 kHz, 25 kHz
Channel spacing: 12.5 kHz, 25 kHz
Modulation: GMSK, 4FSK
Carrier power: 0.1, 0.2, 0.5, 1 W
Power supply: 3.8-4.4 VDC

Mechanical Size of the EUT

Height: 6.7 mm

Width: 36 mm

Length: 57 mm

Weight: 0.02 kg

Peripherals

Peripheral	Description / Usage
Test PC	Device configuration and monitoring with programs supplied by customer.

SUMMARY OF TESTING

Test Specification	Description of Test	Result
§90.205 / RSS-119 5.4	Transmitter output power	PASS
§90.210 / RSS-119 5.5	Occupied bandwidth	N/T
§90.210 / RSS-119 5.5	Spectrum emission mask	N/T
§90.210 / RSS-119 5.8	Spurious emissions (conducted)	PASS
§90.210 / RSS-119 5.8	Spurious emissions (radiated)	PASS
§90.213 / RSS-119 5.3	Frequency stability	N/T
§90.214 / RSS-119 5.9	Transient frequency behaviour	N/T

The decision rule applied for the tests results stated in this test report is according to the requirements of section 1.3 of ANSI C63.26-2015.

EUT Test Conditions

The EUT was in continuous transmit mode during all the tests. The EUT was configured into the wanted channel using software provided by the manufacturer ("TypeApproval_Mikimoto_UI_V046_14052023.exe"). During the tests the EUT was mounted on an evaluation kit provided by the manufacturer (model M3-TR3 Evaluation kit).

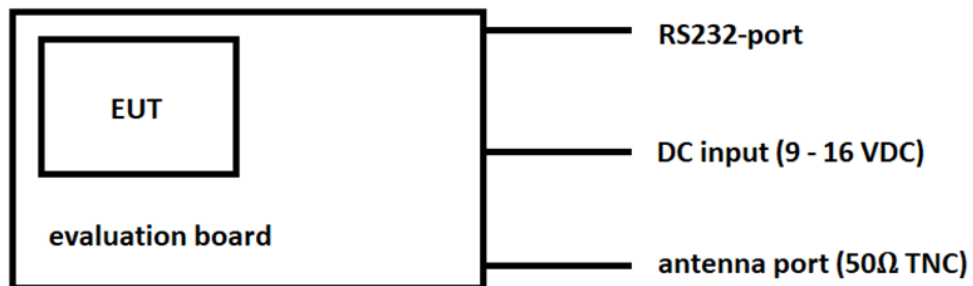


Figure 1: Test setup block diagram

Table 1: Transmission mode of the EUT

Channel width (kHz)	Modulation	On-air data rate [bps]
12.5	GMSK	4 800, 8 000, 9 600
	4FSK	9 600
25	GMSK	4 800, 9 600, 16 000, 19 200
	4FSK	19 200

Table 2: Test frequencies used in the tests

Channel	Frequency (MHz)
LOW 1	410.0
LOW 2	429.5
MID	440.0
HIGH 1	450.5
HIGH 2	469.5

Test Facility

Testing Laboratory / address: FCC designation number: FI0002 ISED CAB identifier: T004	SGS Fimko Ltd Karakaarenkuja 4 FI-02610, ESPOO FINLAND
Test Site:	☐ K10LAB, ISED Canada registration number: 8708A-1 ☒ K5LAB, ISED Canada registration number: 8708A-2 ☐ T10LAB

TEST RESULTS

Transmitter output power

Standard: ANSI C63.26 (2015)
Tested by: LAS
Date: 17 May 2024
Temperature: 21.3 °C
Humidity: 37 % RH

Measurement uncertainty: ± 0.470 dB Level of confidence 95.45 % (k = 2)
Test result: **PASS**

FCC Rule: 90.205 RSS-119 5.4

The output power shall be within ± 1 dB of the manufacturer's rated power listed in the equipment specifications.

The test was performed with a spectrum analyser with following settings:

Span: 200 kHz
RBW: 30 kHz
VBW: 100 kHz
Sweep points: 32001
Sweep time: Auto
Detector: Positive Peak

Measurements were done using 1000 mW output power.

The worst-case test result figures are presented.

Transmitter output power

Test results

Table 3. Rated output power 1000 mW (30.00 dBm)

Frequency (MHz)	Ch. Spacing (kHz)	Modulation	Data Rate [bps]	Measured Output Power (dBm)	Result
410.0	12.5	GMSK	4 800	29.88	PASS
410.0	12.5	GMSK	8 000	29.91	PASS
410.0	12.5	GMSK	9 600	29.92	PASS
410.0	12.5	4FSK	9 600	29.86	PASS
410.0	25	GMSK	4 800	29.96	PASS
410.0	25	GMSK	9 600	29.96	PASS
410.0	25	GMSK	16 000	29.97	PASS
410.0	25	GMSK	19 200	29.98	PASS
410.0	25	4FSK	19 200	29.97	PASS
429.5	12.5	GMSK	4 800	29.87	PASS
429.5	12.5	GMSK	8 000	29.86	PASS
429.5	12.5	GMSK	9 600	29.87	PASS
429.5	12.5	4FSK	9 600	29.88	PASS
429.5	25	GMSK	4 800	29.89	PASS
429.5	25	GMSK	9 600	29.90	PASS
429.5	25	GMSK	16 000	29.91	PASS
429.5	25	GMSK	19 200	29.91	PASS
429.5	25	4FSK	19 200	29.87	PASS
440.0	12.5	GMSK	4 800	29.98	PASS
440.0	12.5	GMSK	8 000	29.95	PASS
440.0	12.5	GMSK	9 600	29.95	PASS
440.0	12.5	4FSK	9 600	29.44	PASS
440.0	25	GMSK	4 800	29.97	PASS
440.0	25	GMSK	9 600	29.97	PASS
440.0	25	GMSK	16 000	29.97	PASS
440.0	25	GMSK	19 200	29.97	PASS
440.0	25	4FSK	19 200	29.46	PASS
450.5	12.5	GMSK	4 800	30.02	PASS
450.5	12.5	GMSK	8 000	30.00	PASS
450.5	12.5	GMSK	9 600	30.00	PASS
450.5	12.5	4FSK	9 600	30.03	PASS
450.5	25	GMSK	4 800	30.03	PASS
450.5	25	GMSK	9 600	30.03	PASS
450.5	25	GMSK	16 000	30.04	PASS
450.5	25	GMSK	19 200	30.04	PASS
450.5	25	4FSK	19 200	30.04	PASS
469.5	12.5	GMSK	4 800	30.06	PASS
469.5	12.5	GMSK	8 000	30.04	PASS
469.5	12.5	GMSK	9 600	30.04	PASS
469.5	12.5	4FSK	9 600	30.04	PASS
469.5	25	GMSK	4 800	30.07	PASS
469.5	25	GMSK	9 600	30.07	PASS
469.5	25	GMSK	16 000	30.08	PASS
469.5	25	GMSK	19 200	30.08	PASS
469.5	25	4FSK	19 200	30.06	PASS

Transmitter output power

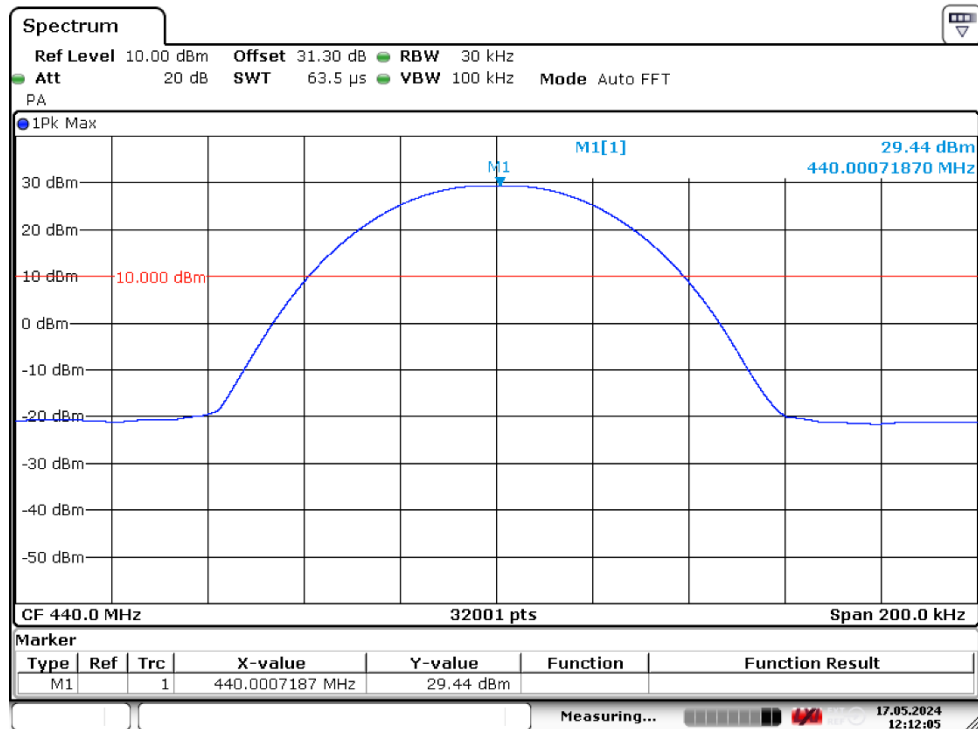


Figure 2: Transmitter output power (440.0 MHz, 12.5 kHz channel width, 4FSK, 9600 bps)

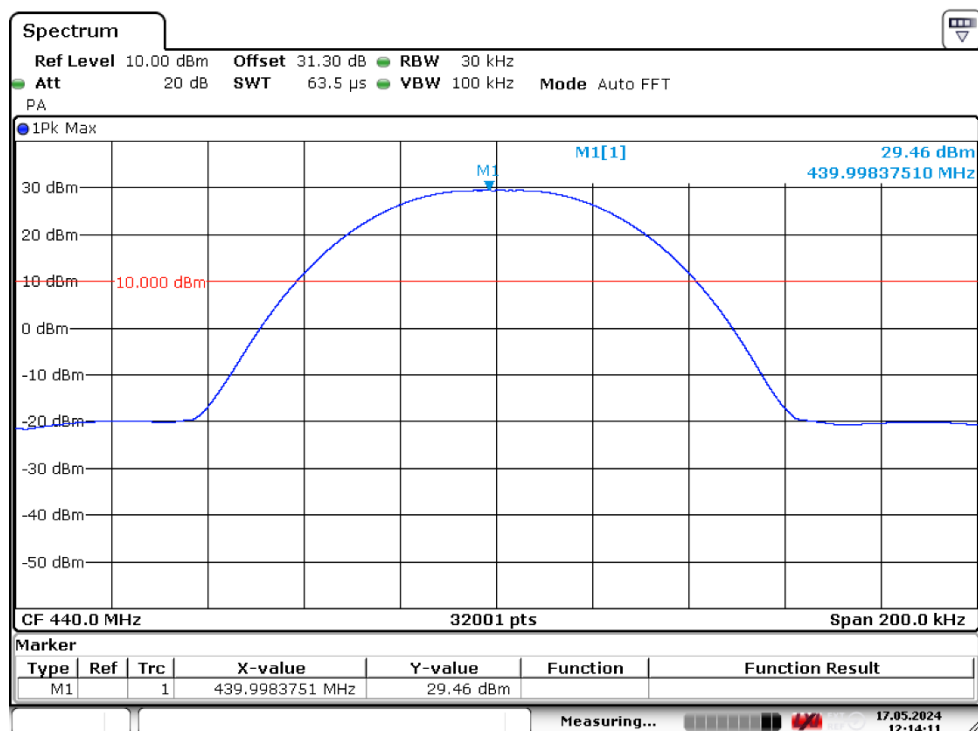


Figure 3: Transmitter output power (440.0 MHz, 25 kHz channel width, 4FSK, 19200 bps)

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Standard:	ANSI C63.26 (2015)		
Tested by:	LAS	LAS	LAS
Date:	23 May 2024	24 May 2024	28 May 2024
Temperature:	21 °C	21 °C	21 °C
Humidity:	30 % RH	41 % RH	38 % RH

Measurement uncertainty: ± 2.90 dB Level of confidence 95.45 % (k = 2)

Test result: **PASS**

FCC Rule: 90.210

RSS-119 5.8

For transmitters that are not equipped with an audio low-pass filter, the power of any emission must be attenuated below the unmodulated carrier output power (P) as follows: on any frequency removed from the center of the authorized bandwidth by more than 250 percent of the authorized bandwidth; at least 43 + 10 log (P) dB.

For transmitters designed to operate with a 12.5 kHz channel bandwidth, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows: on any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 12.5 kHz: at least 50 + 10 log (P) or 70 dB, whichever is the lesser attenuation.

Frequency Band (MHz)	Channel Bandwidth (kHz)	Authorized Bandwidth (kHz)	Limit (dBm)
410-470	12.5	11.25	-20
	25	20	-13

The test was performed at maximum power level, and with a spectrum analyser with following settings:

Frequency range:	9 kHz – 150 kHz	150 kHz – 30 MHz	30 MHz – 1 GHz	1 GHz – 5 GHz
RBW:	1 kHz	10 kHz	100 kHz	1 MHz
VBW:	3 kHz	30 kHz	300 kHz	3 MHz
Sweep points:	10001	10001	10001	10001
Sweep time:	Auto	Auto	Auto	Auto
Detector:	Positive Peak	Positive Peak	Positive Peak	Positive Peak

Spurious emissions (conducted) 9 kHz – 5 GHz
Test results
Table 4: Spurious emissions (conducted) test results (EUT frequency 410.0 MHz)

EUT Frequency (MHz)	Ch. Bandwidth (kHz)	Modulation	Data Rate [bps]	Spurious Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)
410.0	12.5	GMSK	4 800	0.009515	-53.32	-20.00	33.32
410.0	12.5	GMSK	4 800	21.2981	-50.73	-20.00	30.73
410.0	12.5	GMSK	4 800	820.0340	-36.98	-20.00	16.98
410.0	12.5	GMSK	4 800	4940.610	-51.43	-20.00	31.43
410.0	12.5	GMSK	8 000	0.009782	-53.65	-20.00	33.65
410.0	12.5	GMSK	8 000	0.1515	-50.39	-20.00	30.39
410.0	12.5	GMSK	8 000	820.0340	-35.91	-20.00	15.91
410.0	12.5	GMSK	8 000	4951.000	-52.03	-20.00	32.03
410.0	12.5	GMSK	9 600	0.009007	-52.96	-20.00	32.96
410.0	12.5	GMSK	9 600	0.1784	-50.35	-20.00	30.35
410.0	12.5	GMSK	9 600	820.0340	-36.85	-20.00	16.85
410.0	12.5	GMSK	9 600	4976.600	-52.23	-20.00	32.23
410.0	12.5	4FSK	9 600	0.011474	-51.39	-20.00	31.39
410.0	12.5	4FSK	9 600	0.2649	-50.80	-20.00	30.80
410.0	12.5	4FSK	9 600	820.0340	-36.22	-20.00	16.22
410.0	12.5	4FSK	9 600	4628.240	-50.98	-20.00	30.98
410.0	25.0	GMSK	4 800	0.009275	-52.99	-13.00	39.99
410.0	25.0	GMSK	4 800	0.3753	-50.70	-13.00	37.70
410.0	25.0	GMSK	4 800	820.0340	-37.19	-13.00	24.19
410.0	25.0	GMSK	4 800	4949.010	-52.48	-13.00	39.48
410.0	25.0	GMSK	9 600	0.009007	-51.99	-13.00	38.99
410.0	25.0	GMSK	9 600	0.1634	-50.50	-13.00	37.50
410.0	25.0	GMSK	9 600	820.0340	-36.94	-13.00	23.94
410.0	25.0	GMSK	9 600	4941.810	-51.82	-13.00	38.82
410.0	25.0	GMSK	16 000	0.009007	-51.49	-13.00	38.49
410.0	25.0	GMSK	16 000	0.2649	-50.58	-13.00	37.58
410.0	25.0	GMSK	16 000	820.0340	-36.65	-13.00	23.65
410.0	25.0	GMSK	16 000	4786.620	-52.61	-13.00	39.61
410.0	25.0	GMSK	19 200	0.009007	-52.96	-13.00	39.96
410.0	25.0	GMSK	19 200	20.5280	-50.92	-13.00	37.92
410.0	25.0	GMSK	19 200	820.0340	-37.16	-13.00	24.16
410.0	25.0	GMSK	19 200	4893.810	-51.94	-13.00	38.94
410.0	25.0	4FSK	19 200	0.009021	-53.55	-13.00	40.55
410.0	25.0	4FSK	19 200	21.9189	-50.96	-13.00	37.96
410.0	25.0	4FSK	19 200	820.0340	-37.17	-13.00	24.17
410.0	25.0	4FSK	19 200	4935.010	-51.54	-13.00	38.54

Spurious emissions (conducted) 9 kHz – 5 GHz
Table 5: Spurious emissions (conducted) test results (EUT frequency 429.5 MHz)

EUT Frequency (MHz)	Ch. Bandwidth (kHz)	Modulation	Data Rate [bps]	Spurious Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)
429.5	12.5	GMSK	4 800	0.009486	-52.10	-20.00	32.10
429.5	12.5	GMSK	4 800	0.1575	-50.47	-20.00	30.47
429.5	12.5	GMSK	4 800	859.0250	-37.01	-20.00	17.01
429.5	12.5	GMSK	4 800	4628.240	-51.46	-20.00	31.46
429.5	12.5	GMSK	8 000	0.009063	-53.05	-20.00	33.05
429.5	12.5	GMSK	8 000	0.1634	-51.18	-20.00	31.18
429.5	12.5	GMSK	8 000	859.0250	-36.99	-20.00	16.99
429.5	12.5	GMSK	8 000	4936.210	-51.40	-20.00	31.40
429.5	12.5	GMSK	9 600	0.010473	-52.90	-20.00	32.90
429.5	12.5	GMSK	9 600	0.2768	-50.27	-20.00	30.27
429.5	12.5	GMSK	9 600	859.0250	-37.13	-20.00	17.13
429.5	12.5	GMSK	9 600	4879.410	-51.96	-20.00	31.96
429.5	12.5	4FSK	9 600	0.009007	-53.40	-20.00	33.40
429.5	12.5	4FSK	9 600	0.2172	-50.40	-20.00	30.40
429.5	12.5	4FSK	9 600	859.0250	-36.66	-20.00	16.66
429.5	12.5	4FSK	9 600	4942.610	-51.32	-20.00	31.32
429.5	25.0	GMSK	4 800	0.009656	-52.51	-13.00	39.51
429.5	25.0	GMSK	4 800	29.4822	-51.00	-13.00	38.00
429.5	25.0	GMSK	4 800	859.0250	-36.26	-13.00	23.26
429.5	25.0	GMSK	4 800	4917.010	-52.60	-13.00	39.60
429.5	25.0	GMSK	9 600	0.009078	-51.92	-13.00	38.92
429.5	25.0	GMSK	9 600	19.9669	-50.70	-13.00	37.70
429.5	25.0	GMSK	9 600	859.0250	-36.57	-13.00	23.57
429.5	25.0	GMSK	9 600	4869.810	-52.61	-13.00	39.61
429.5	25.0	GMSK	16 000	0.009007	-53.26	-13.00	40.26
429.5	25.0	GMSK	16 000	0.1664	-50.58	-13.00	37.58
429.5	25.0	GMSK	16 000	859.0250	-36.53	-13.00	23.53
429.5	25.0	GMSK	16 000	4906.210	-52.36	-13.00	39.36
429.5	25.0	GMSK	19 200	0.010149	-53.13	-13.00	40.13
429.5	25.0	GMSK	19 200	28.7778	-50.96	-13.00	37.96
429.5	25.0	GMSK	19 200	859.0250	-35.99	-13.00	22.99
429.5	25.0	GMSK	19 200	4920.610	-51.97	-13.00	38.97
429.5	25.0	4FSK	19 200	0.009049	-52.82	-13.00	39.82
429.5	25.0	4FSK	19 200	27.6913	-51.43	-13.00	38.43
429.5	25.0	4FSK	19 200	859.0250	-36.72	-13.00	23.72
429.5	25.0	4FSK	19 200	4901.410	-51.59	-13.00	38.59

Spurious emissions (conducted) 9 kHz – 5 GHz
Table 6: Spurious emissions (conducted) test results (EUT frequency 440.0 MHz)

EUT Frequency (MHz)	Ch. Bandwidth (kHz)	Modulation	Data Rate [bps]	Spurious Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)
440.0	12.5	GMSK	4 800	0.009007	-52.56	-20.00	32.56
440.0	12.5	GMSK	4 800	24.3156	-51.52	-20.00	31.52
440.0	12.5	GMSK	4 800	400.0660	-34.79	-20.00	14.79
440.0	12.5	GMSK	4 800	4916.610	-50.33	-20.00	30.33
440.0	12.5	GMSK	8 000	0.009458	-53.51	-20.00	33.51
440.0	12.5	GMSK	8 000	27.5958	-51.14	-20.00	31.14
440.0	12.5	GMSK	8 000	400.0660	-36.36	-20.00	16.36
440.0	12.5	GMSK	8 000	4937.810	-51.44	-20.00	31.44
440.0	12.5	GMSK	9 600	0.009007	-52.51	-20.00	32.51
440.0	12.5	GMSK	9 600	0.1813	-51.22	-20.00	31.22
440.0	12.5	GMSK	9 600	399.9700	-35.04	-20.00	15.04
440.0	12.5	GMSK	9 600	4932.210	-52.01	-20.00	32.01
440.0	12.5	4FSK	9 600	0.009092	-52.81	-20.00	32.81
440.0	12.5	4FSK	9 600	25.3633	-51.53	-20.00	31.53
440.0	12.5	4FSK	9 600	399.9700	-35.78	-20.00	15.78
440.0	12.5	4FSK	9 600	4765.420	-52.22	-20.00	32.22
440.0	25.0	GMSK	4 800	0.01053	-54.01	-13.00	41.01
440.0	25.0	GMSK	4 800	21.0862	-50.74	-13.00	37.74
440.0	25.0	GMSK	4 800	400.0660	-34.70	-13.00	21.70
440.0	25.0	GMSK	4 800	4901.410	-52.29	-13.00	39.29
440.0	25.0	GMSK	9 600	0.009007	-53.72	-13.00	40.72
440.0	25.0	GMSK	9 600	26.3273	-50.81	-13.00	37.81
440.0	25.0	GMSK	9 600	400.0660	-34.93	-13.00	21.93
440.0	25.0	GMSK	9 600	4933.410	-52.31	-13.00	39.31
440.0	25.0	GMSK	16 000	0.009007	-52.43	-13.00	39.43
440.0	25.0	GMSK	16 000	0.1515	-50.99	-13.00	37.99
440.0	25.0	GMSK	16 000	399.9700	-35.28	-13.00	22.28
440.0	25.0	GMSK	16 000	4979.400	-51.68	-13.00	38.68
440.0	25.0	GMSK	19 200	0.01287	-54.17	-13.00	41.17
440.0	25.0	GMSK	19 200	0.1754	-51.02	-13.00	38.02
440.0	25.0	GMSK	19 200	400.0660	-34.81	-13.00	21.81
440.0	25.0	GMSK	19 200	4957.000	-51.85	-13.00	38.85
440.0	25.0	4FSK	19 200	0.012264	-52.82	-13.00	39.82
440.0	25.0	4FSK	19 200	21.0534	-50.69	-13.00	37.69
440.0	25.0	4FSK	19 200	400.0660	-35.38	-13.00	22.38
440.0	25.0	4FSK	19 200	4887.810	-51.92	-13.00	38.92

Spurious emissions (conducted) 9 kHz – 5 GHz
Table 7: Spurious emissions (conducted) test results (EUT frequency 450.5 MHz)

EUT Frequency (MHz)	Ch. Bandwidth (kHz)	Modulation	Data Rate [bps]	Spurious Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)
450.5	12.5	GMSK	4 800	0.009021	-53.21	-20.00	33.21
450.5	12.5	GMSK	4 800	0.1515	-50.48	-20.00	30.48
450.5	12.5	GMSK	4 800	901.0210	-36.16	-20.00	16.16
450.5	12.5	GMSK	4 800	4593.440	-52.59	-20.00	32.59
450.5	12.5	GMSK	8 000	0.009317	-52.29	-20.00	32.29
450.5	12.5	GMSK	8 000	0.2112	-51.61	-20.00	31.61
450.5	12.5	GMSK	8 000	901.0210	-35.97	-20.00	15.97
450.5	12.5	GMSK	8 000	4887.410	-52.20	-20.00	32.20
450.5	12.5	GMSK	9 600	0.010205	-53.24	-20.00	33.24
450.5	12.5	GMSK	9 600	0.1843	-50.15	-20.00	30.15
450.5	12.5	GMSK	9 600	901.0210	-36.49	-20.00	16.49
450.5	12.5	GMSK	9 600	4003.900	-52.10	-20.00	32.10
450.5	12.5	4FSK	9 600	0.009289	-53.06	-20.00	33.06
450.5	12.5	4FSK	9 600	21.8025	-50.74	-20.00	30.74
450.5	12.5	4FSK	9 600	901.0210	-36.14	-20.00	16.14
450.5	12.5	4FSK	9 600	4991.000	-52.14	-20.00	32.14
450.5	25.0	GMSK	4 800	0.009007	-51.73	-13.00	38.73
450.5	25.0	GMSK	4 800	0.5156	-51.94	-13.00	38.94
450.5	25.0	GMSK	4 800	901.0210	-35.77	-13.00	22.77
450.5	25.0	GMSK	4 800	4707.030	-51.78	-13.00	38.78
450.5	25.0	GMSK	9 600	0.010769	-53.57	-13.00	40.57
450.5	25.0	GMSK	9 600	0.1604	-51.63	-13.00	38.63
450.5	25.0	GMSK	9 600	901.0210	-36.21	-13.00	23.21
450.5	25.0	GMSK	9 600	4913.810	-52.13	-13.00	39.13
450.5	25.0	GMSK	16 000	0.009007	-53.68	-13.00	40.68
450.5	25.0	GMSK	16 000	0.2679	-50.76	-13.00	37.76
450.5	25.0	GMSK	16 000	901.0210	-36.60	-13.00	23.60
450.5	25.0	GMSK	16 000	4119.090	-51.41	-13.00	38.41
450.5	25.0	GMSK	19 200	0.012715	-53.90	-13.00	40.90
450.5	25.0	GMSK	19 200	0.3724	-50.38	-13.00	37.38
450.5	25.0	GMSK	19 200	901.0210	-35.77	-13.00	22.77
450.5	25.0	GMSK	19 200	4758.220	-52.12	-13.00	39.12
450.5	25.0	4FSK	19 200	0.009007	-52.35	-13.00	39.35
450.5	25.0	4FSK	19 200	0.5007	-51.18	-13.00	38.18
450.5	25.0	4FSK	19 200	901.0210	-37.06	-13.00	24.06
450.5	25.0	4FSK	19 200	4928.610	-51.80	-13.00	38.80

Spurious emissions (conducted) 9 kHz – 5 GHz**Table 8:** Spurious emissions (conducted) test results (EUT frequency 469.5 MHz)

EUT Frequency (MHz)	Ch. Bandwidth (kHz)	Modulation	Data Rate [bps]	Spurious Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)
469.5	12.5	GMSK	4 800	0.00998	-53.69	-20.00	33.69
469.5	12.5	GMSK	4 800	0.2798	-50.70	-20.00	30.70
469.5	12.5	GMSK	4 800	939.0420	-35.10	-20.00	15.10
469.5	12.5	GMSK	4 800	4543.850	-52.12	-20.00	32.12
469.5	12.5	GMSK	8 000	0.009007	-52.91	-20.00	32.91
469.5	12.5	GMSK	8 000	19.5461	-51.31	-20.00	31.31
469.5	12.5	GMSK	8 000	939.0420	-34.72	-20.00	14.72
469.5	12.5	GMSK	8 000	4016.3000	-51.46	-20.00	31.46
469.5	12.5	GMSK	9 600	0.010586	-53.63	-20.00	33.63
469.5	12.5	GMSK	9 600	19.6476	-51.65	-20.00	31.65
469.5	12.5	GMSK	9 600	939.0420	-35.85	-20.00	15.85
469.5	12.5	GMSK	9 600	4948.210	-51.85	-20.00	31.85
469.5	12.5	4FSK	9 600	0.010812	-53.33	-20.00	33.33
469.5	12.5	4FSK	9 600	0.2321	-51.05	-20.00	31.05
469.5	12.5	4FSK	9 600	939.0420	-35.81	-20.00	15.81
469.5	12.5	4FSK	9 600	4943.010	-51.84	-20.00	31.84
469.5	25.0	GMSK	4 800	0.010022	-52.92	-13.00	39.92
469.5	25.0	GMSK	4 800	0.2410	-50.85	-13.00	37.85
469.5	25.0	GMSK	4 800	939.0420	-35.29	-13.00	22.29
469.5	25.0	GMSK	4 800	4917.010	-52.58	-13.00	39.58
469.5	25.0	GMSK	9 600	0.009007	-52.95	-13.00	39.95
469.5	25.0	GMSK	9 600	0.1575	-51.34	-13.00	38.34
469.5	25.0	GMSK	9 600	939.0420	-35.98	-13.00	22.98
469.5	25.0	GMSK	9 600	4295.070	-51.98	-13.00	38.98
469.5	25.0	GMSK	16 000	0.010572	-53.62	-13.00	40.62
469.5	25.0	GMSK	16 000	0.4649	-51.56	-13.00	38.56
469.5	25.0	GMSK	16 000	939.0420	-34.52	-13.00	21.52
469.5	25.0	GMSK	16 000	4964.600	-51.85	-13.00	38.85
469.5	25.0	GMSK	19 200	0.009092	-52.65	-13.00	39.65
469.5	25.0	GMSK	19 200	0.1724	-50.51	-13.00	37.51
469.5	25.0	GMSK	19 200	939.0420	-35.66	-13.00	22.66
469.5	25.0	GMSK	19 200	4952.200	-51.82	-13.00	38.82
469.5	25.0	4FSK	19 200	0.009317	-52.80	-13.00	39.80
469.5	25.0	4FSK	19 200	0.1933	-50.85	-13.00	37.85
469.5	25.0	4FSK	19 200	939.0420	-35.55	-13.00	22.55
469.5	25.0	4FSK	19 200	4333.470	-52.61	-13.00	39.61

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 12.5 kHz, GMSK, 4800 bps

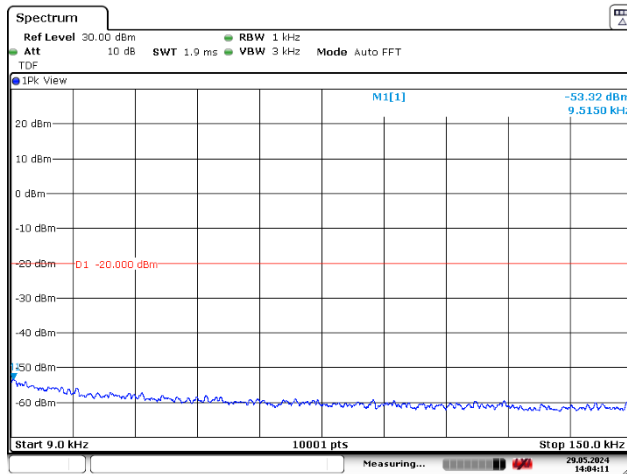


Figure 4: 9 – 150 kHz

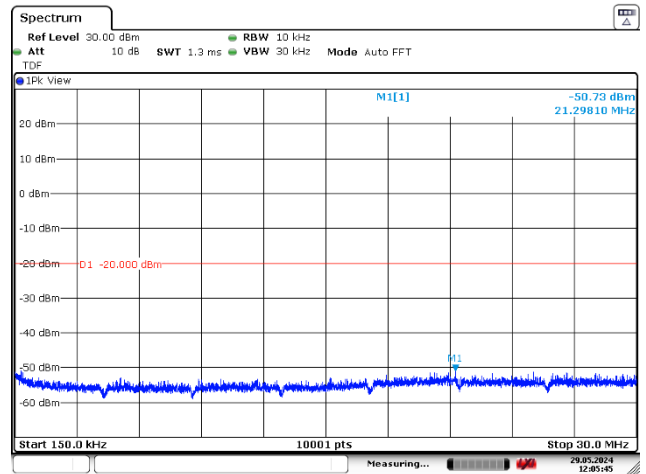


Figure 5: 150 kHz – 30 MHz

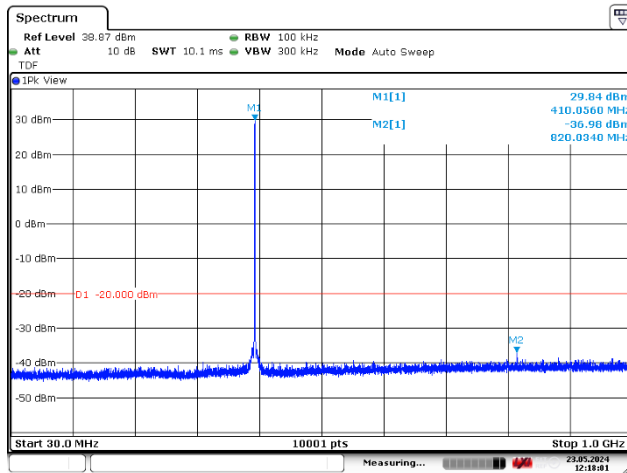


Figure 6: 30 – 1000 MHz

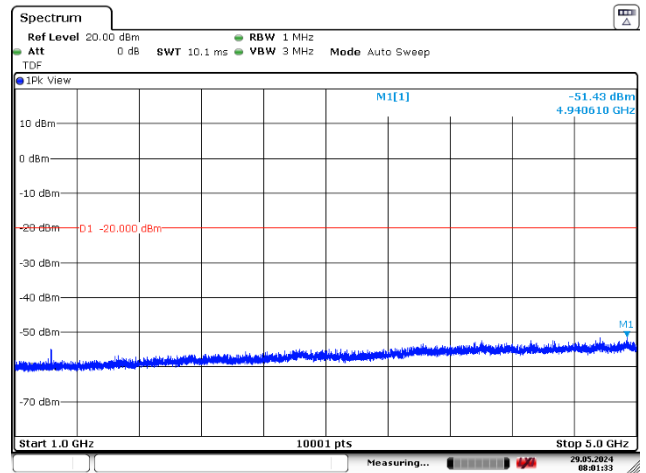


Figure 7: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 12.5 kHz, GMSK, 8000 bps

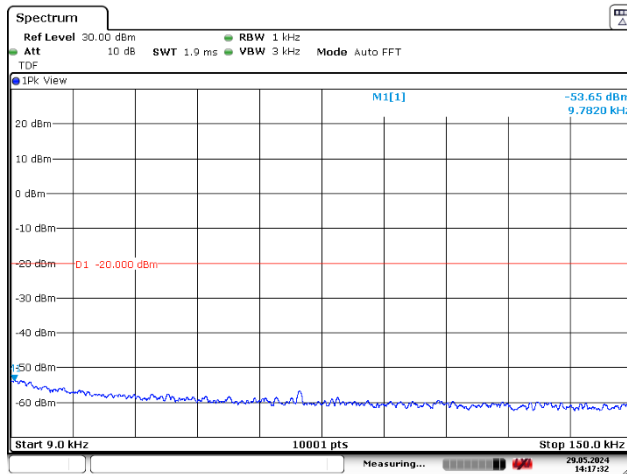


Figure 8: 9 – 150 kHz

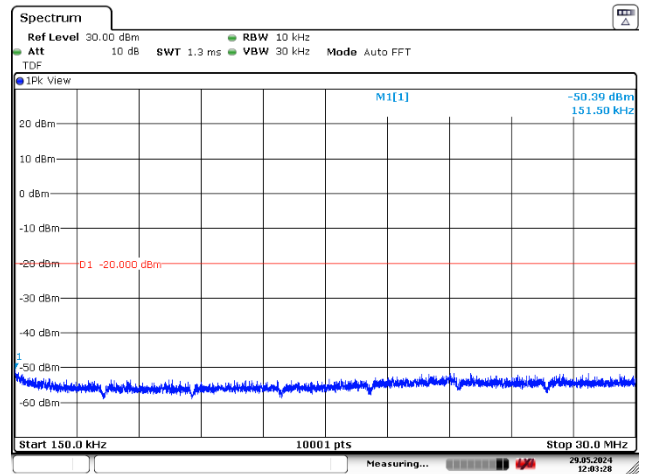


Figure 9: 150 kHz – 30 MHz

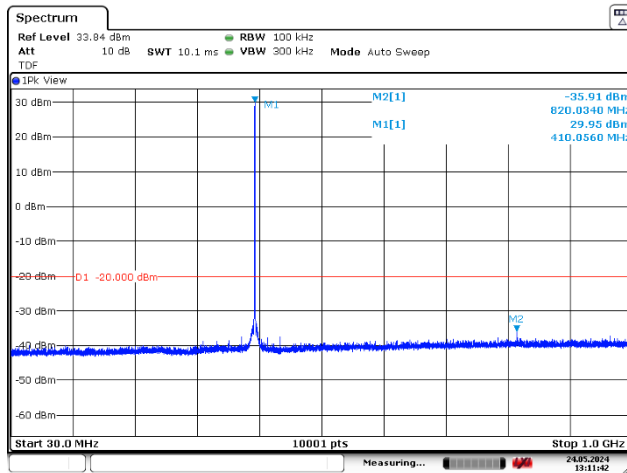


Figure 10: 30 – 1000 MHz

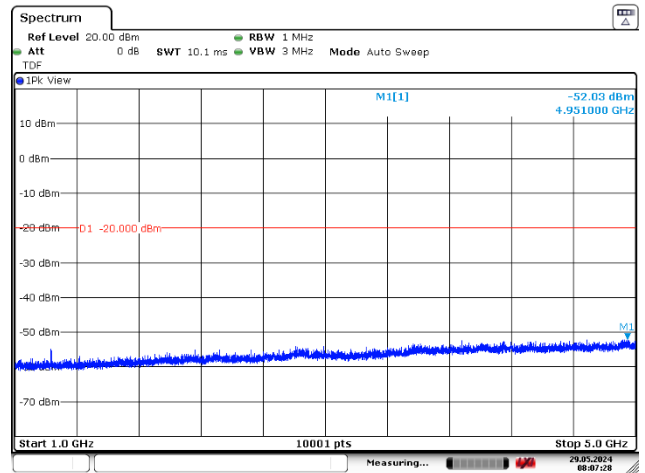


Figure 11: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 12.5 kHz, GMSK, 9600 bps

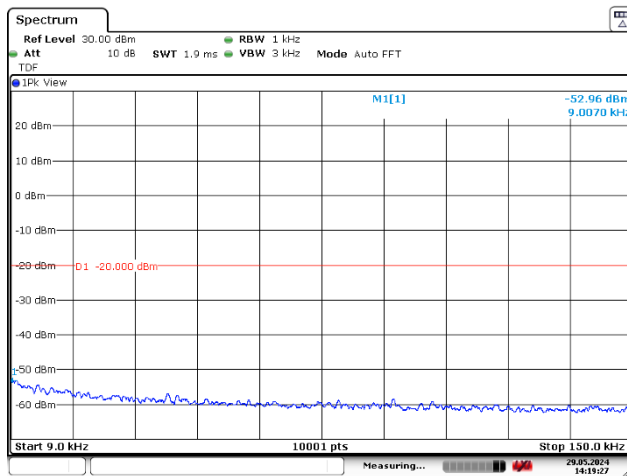


Figure 12: 9 – 150 kHz

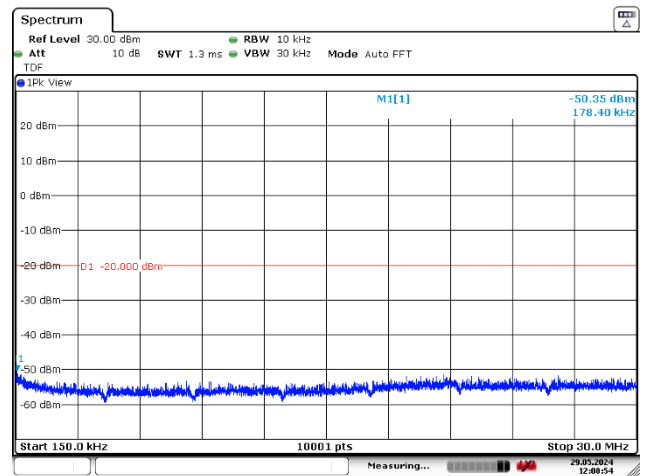


Figure 13: 150 kHz – 30 MHz

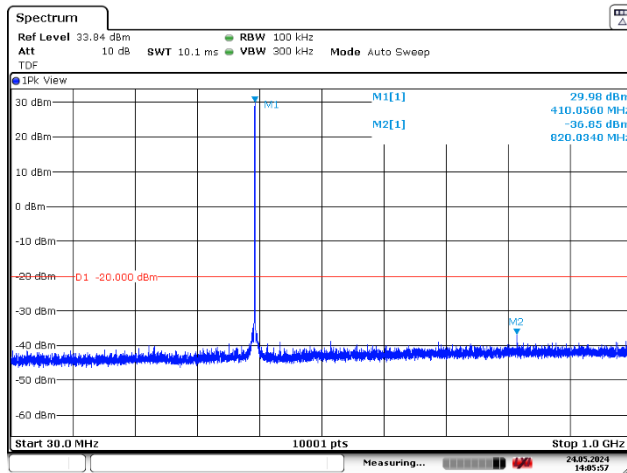


Figure 14: 30 – 1000 MHz

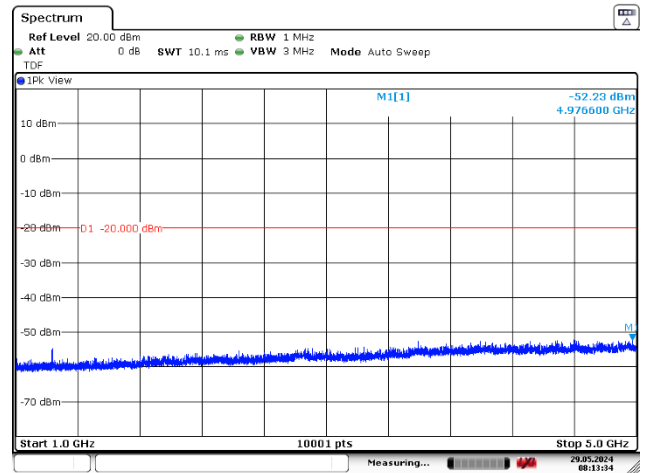


Figure 15: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 12.5 kHz, 4FSK, 9600 bps

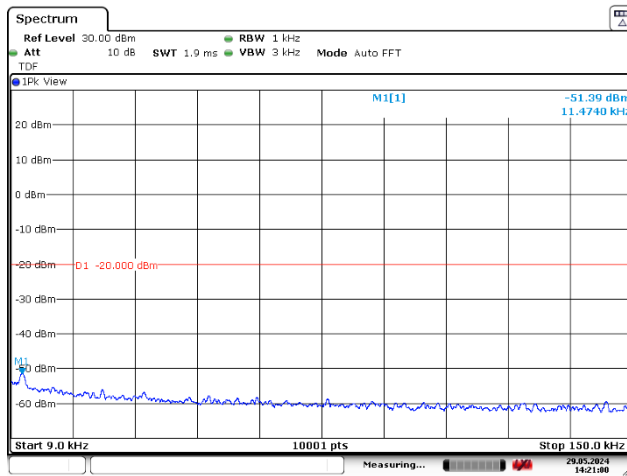


Figure 16: 9 – 150 kHz

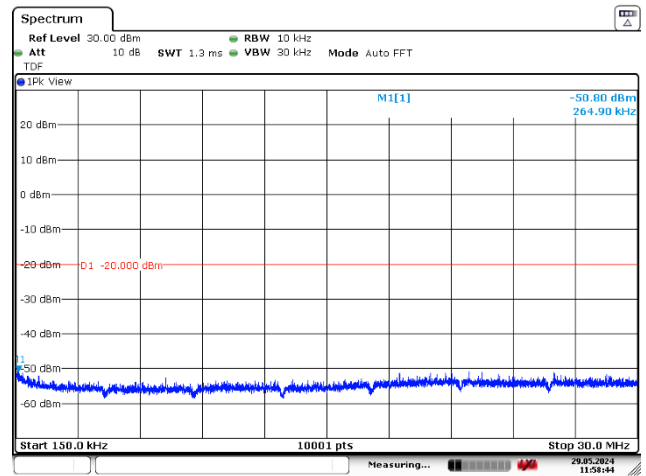


Figure 17: 150 kHz – 30 MHz

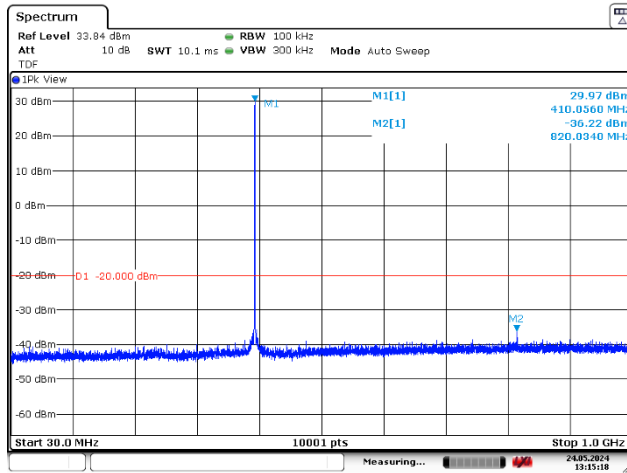


Figure 18: 30 – 1000 MHz

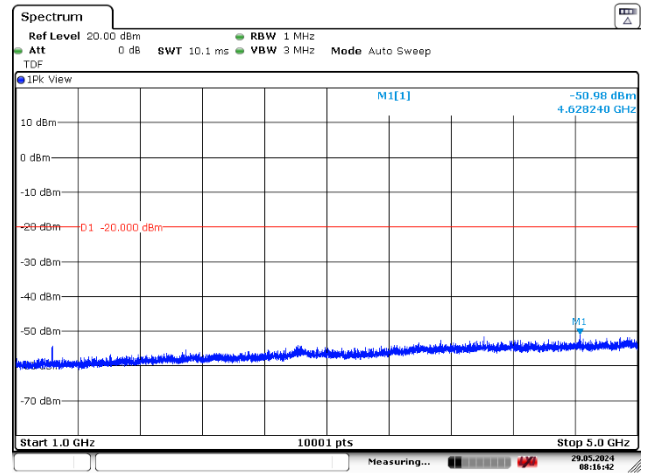


Figure 19: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 25 kHz, GMSK, 4800 bps

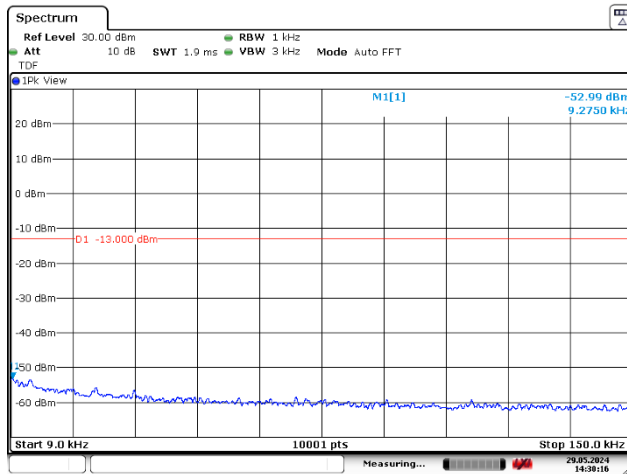


Figure 20: 9 – 150 kHz

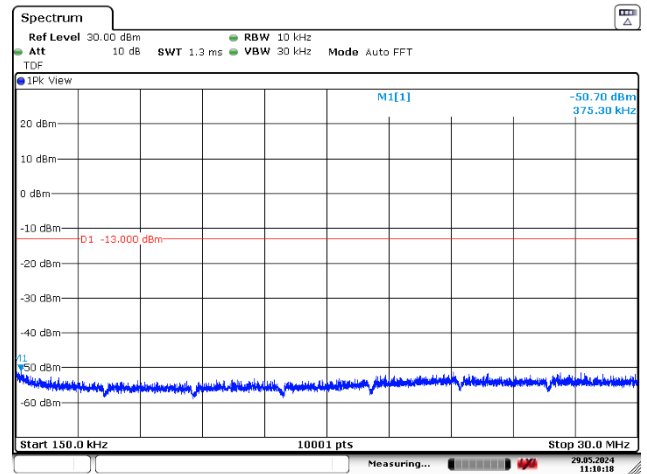


Figure 21: 150 kHz – 30 MHz

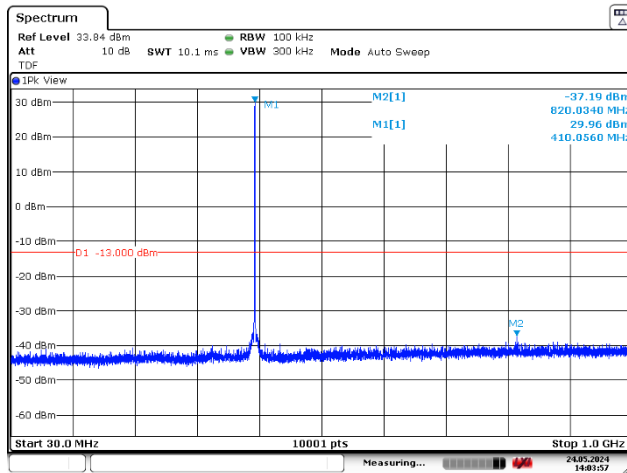


Figure 22: 30 – 1000 MHz

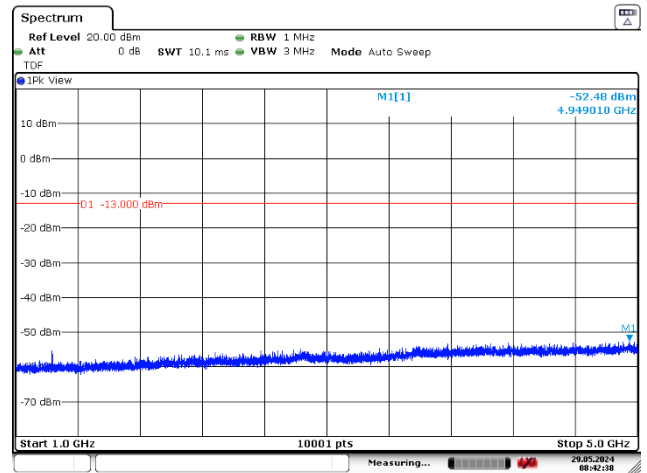


Figure 23: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 25 kHz, GMSK, 9600 bps

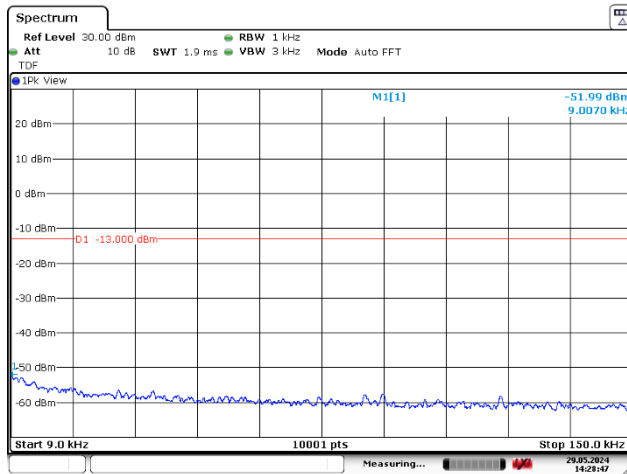


Figure 24: 9 – 150 kHz

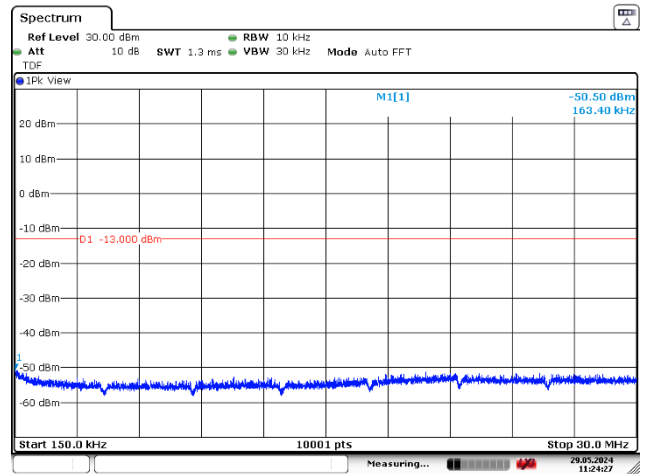


Figure 25: 150 kHz – 30 MHz

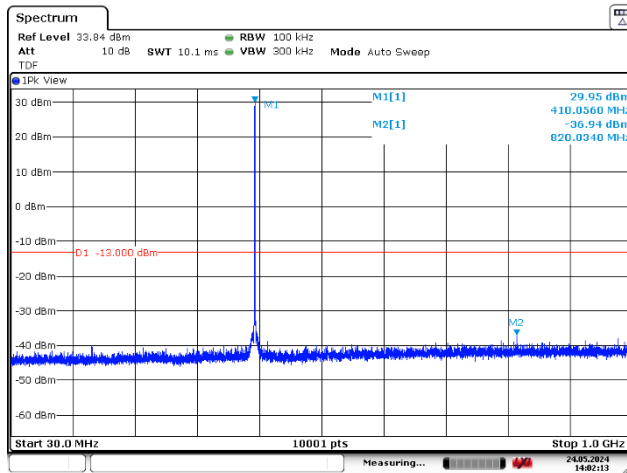


Figure 26: 30 – 1000 MHz

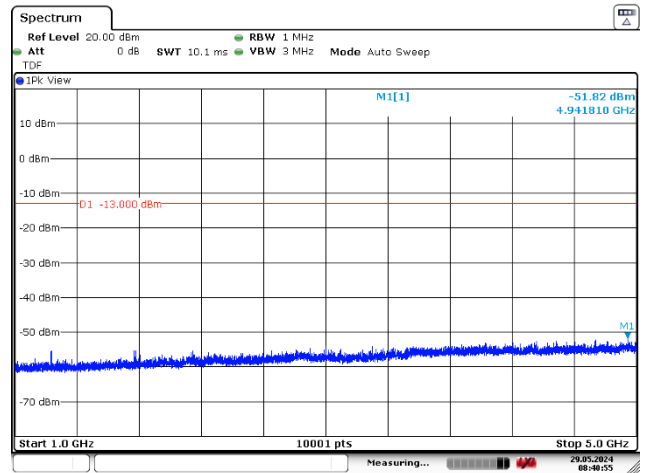


Figure 27: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 25 kHz, GMSK, 16000 bps

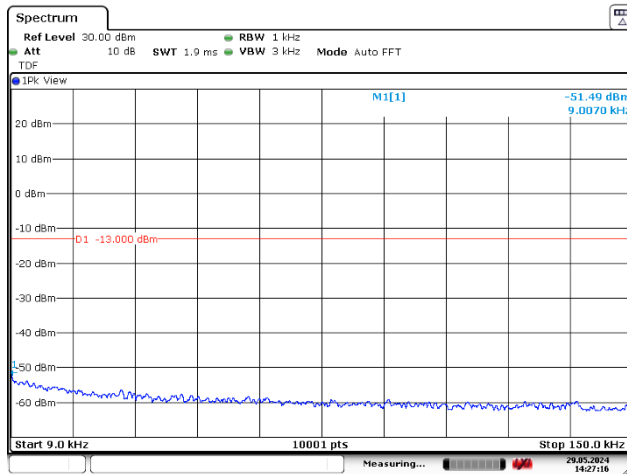


Figure 28: 9 – 150 kHz

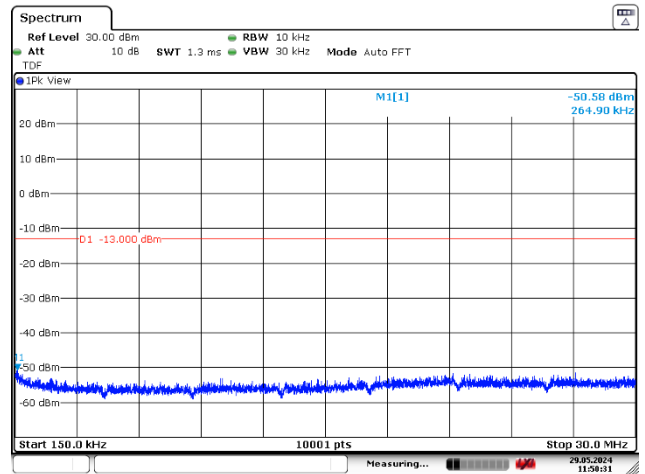


Figure 29: 150 kHz – 30 MHz

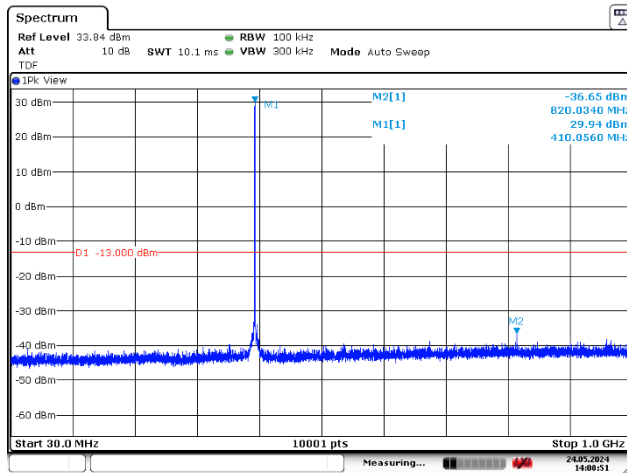


Figure 30: 30 – 1000 MHz

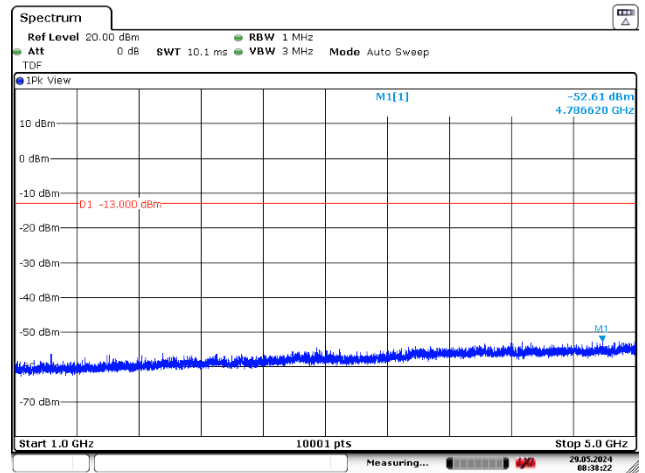


Figure 31: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 25 kHz, GMSK, 19200 bps

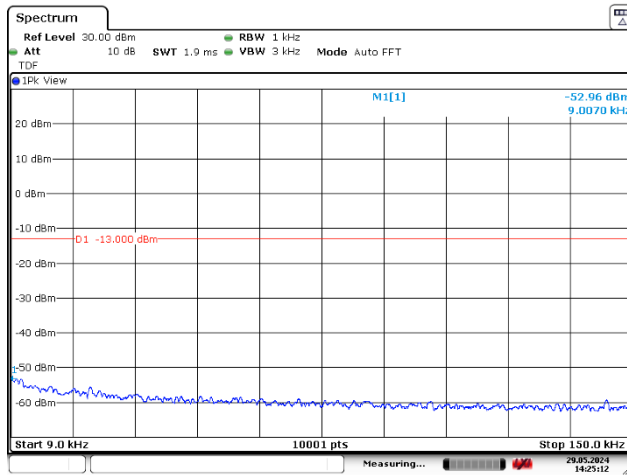


Figure 32: 9 – 150 kHz

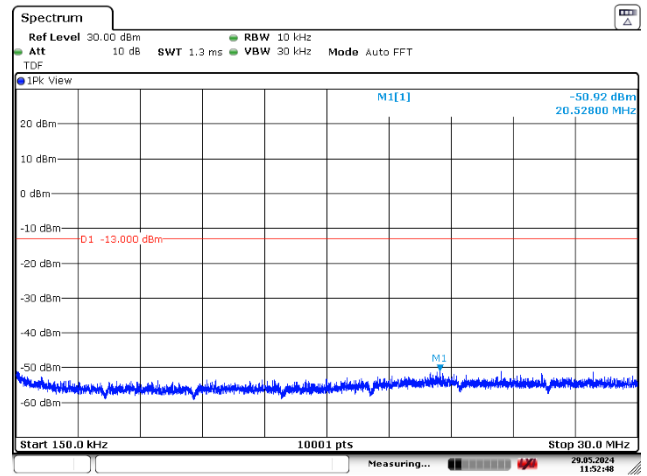


Figure 33: 150 kHz – 30 MHz

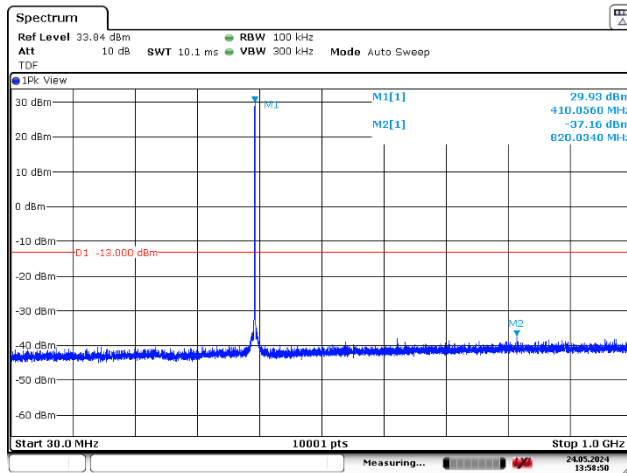


Figure 34: 30 – 1000 MHz

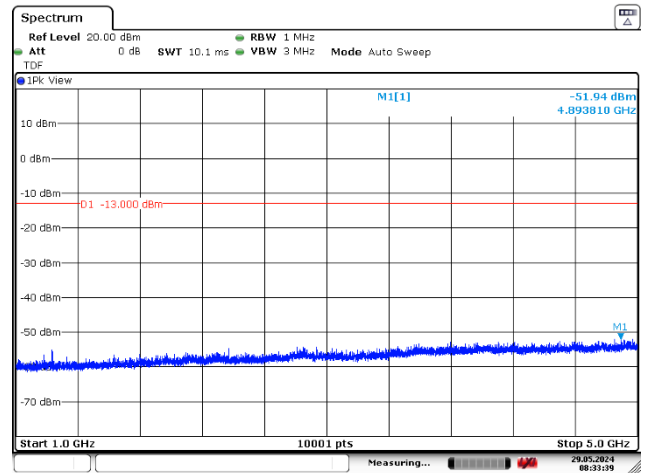


Figure 35: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 410.0 MHz, 25 kHz, 4FSK, 19200 bps

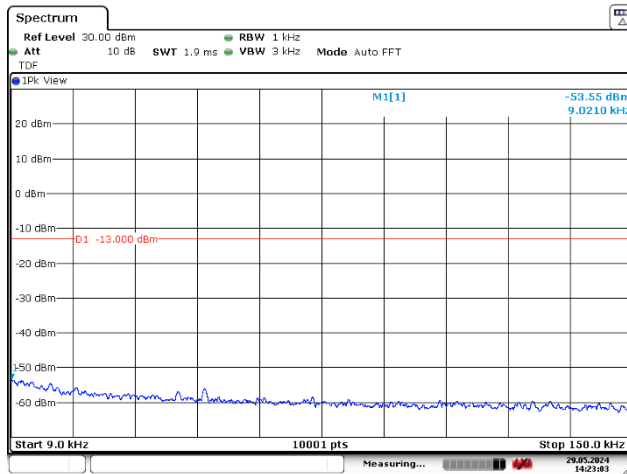


Figure 36: 9 – 150 kHz

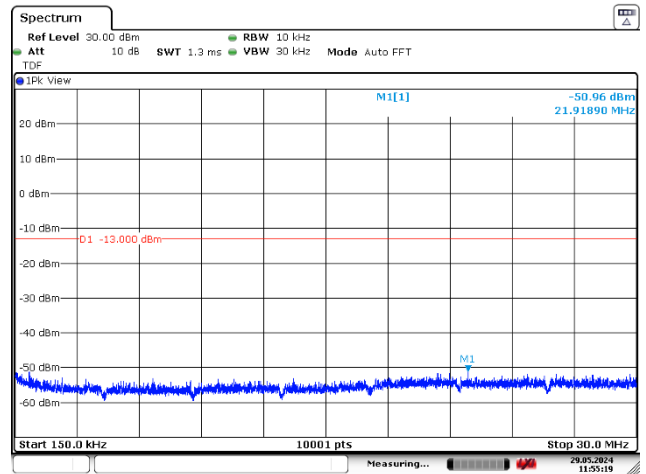


Figure 37: 150 kHz – 30 MHz

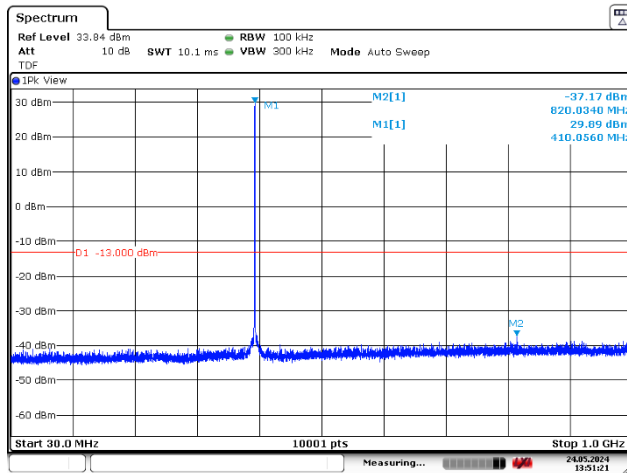


Figure 38: 30 – 1000 MHz

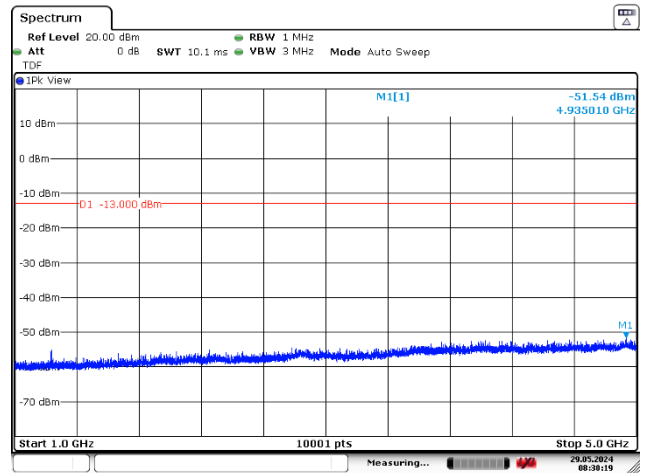


Figure 39: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 12.5 kHz, GMSK, 4800 bps

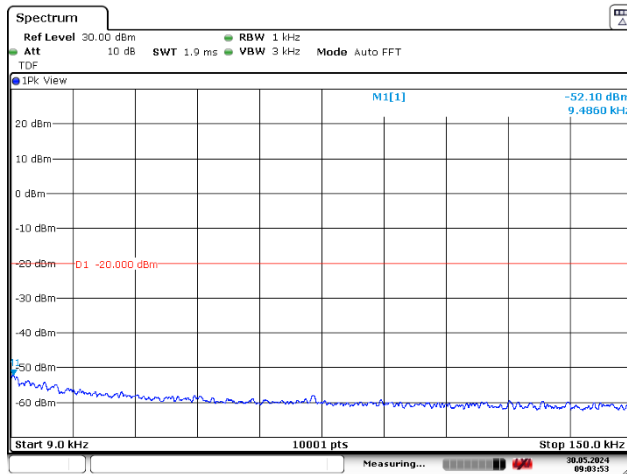


Figure 40: 9 – 150 kHz

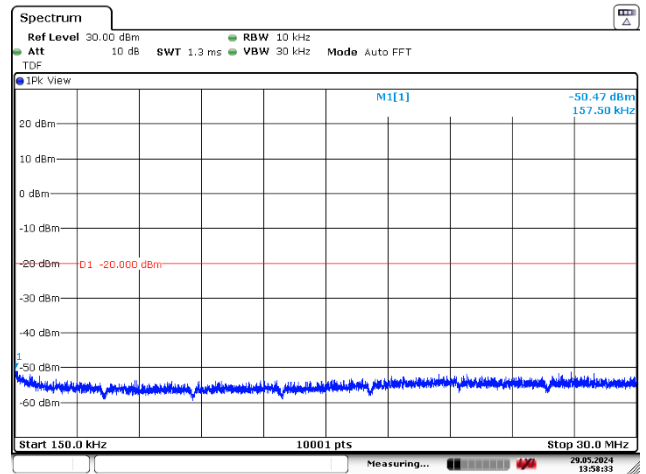


Figure 41: 150 kHz – 30 MHz

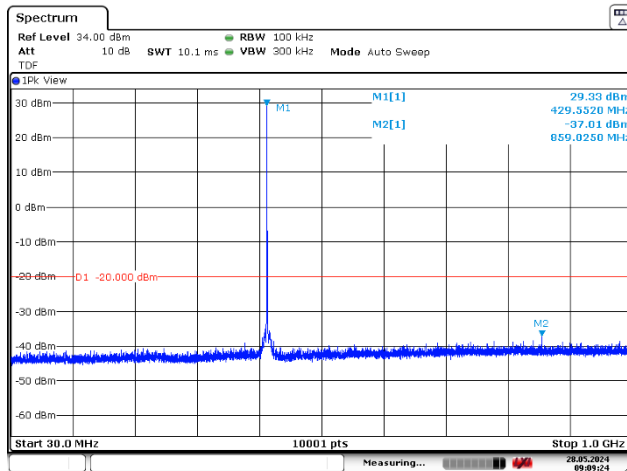


Figure 42: 30 – 1000 MHz

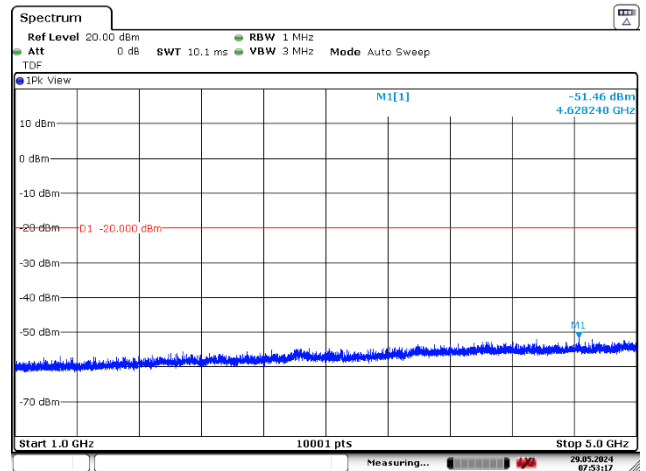


Figure 43: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 12.5 kHz, GMSK, 8000 bps

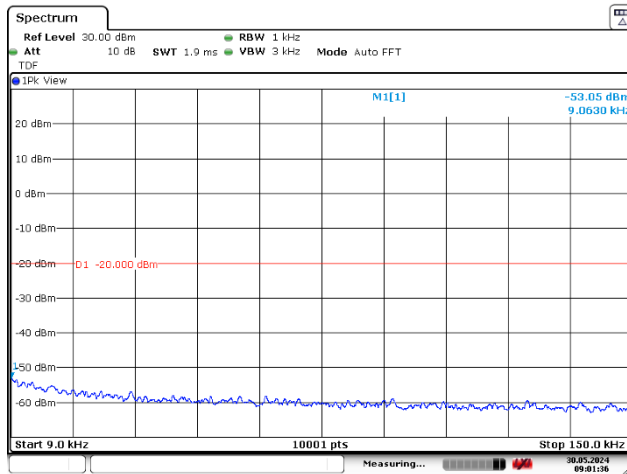


Figure 44: 9 – 150 kHz

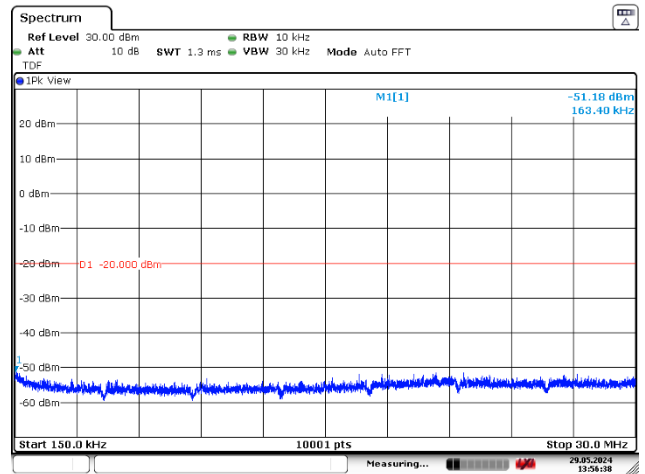


Figure 45: 150 kHz – 30 MHz

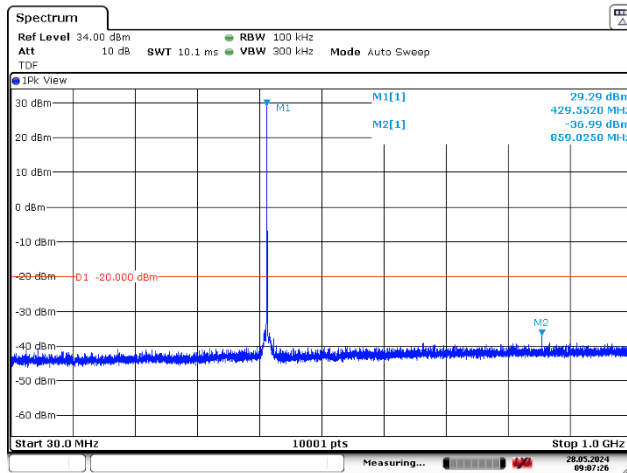


Figure 46: 30 – 1000 MHz

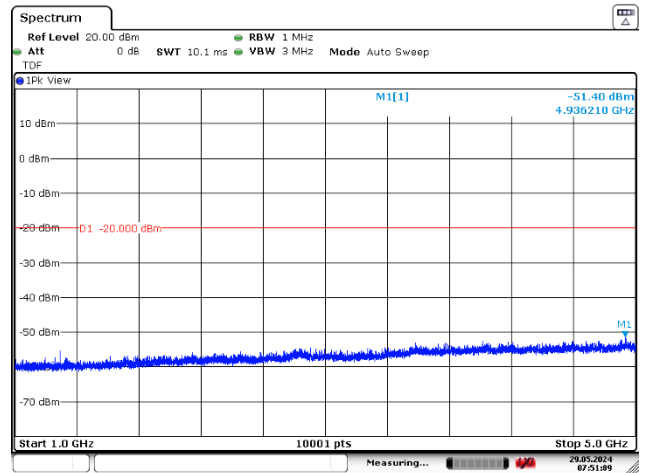


Figure 47: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 12.5 kHz, GMSK, 9600 bps

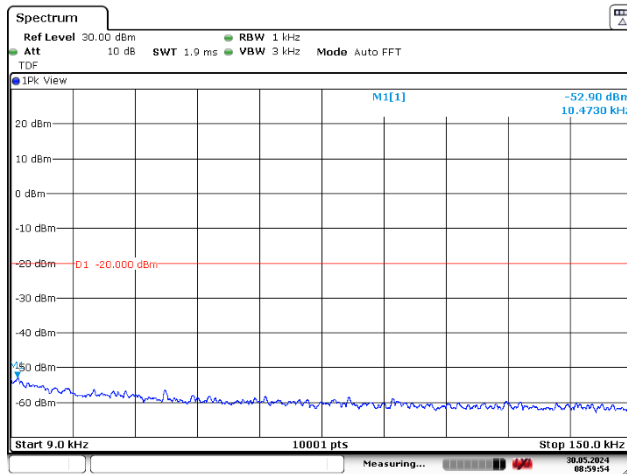


Figure 48: 9 – 150 kHz

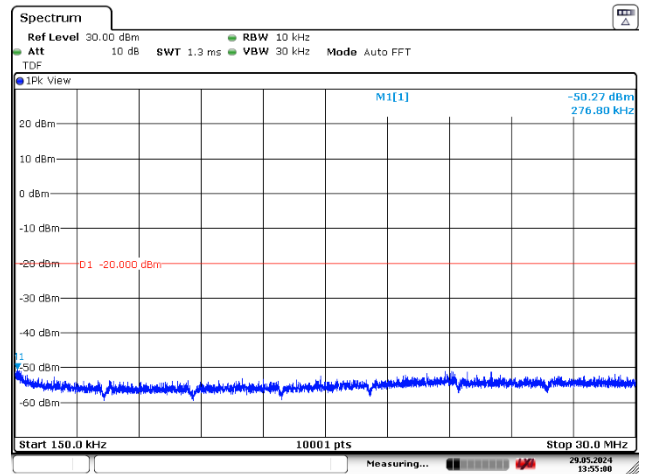


Figure 49: 150 kHz – 30 MHz

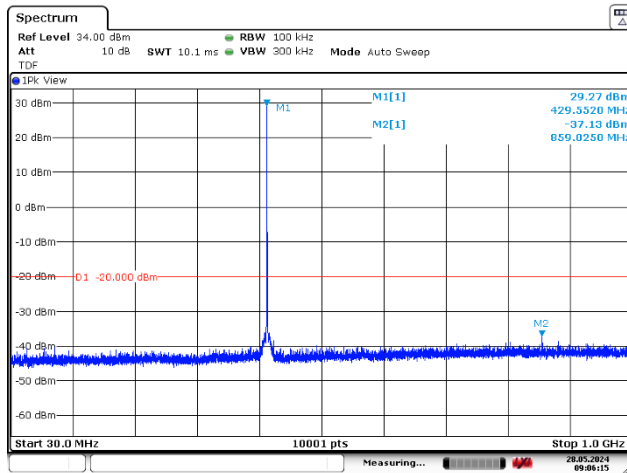


Figure 50: 30 – 1000 MHz

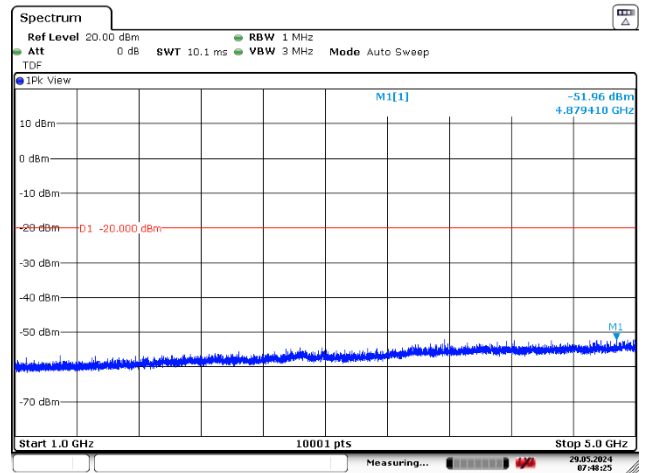


Figure 51: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 12.5 kHz, 4FSK, 9600 bps

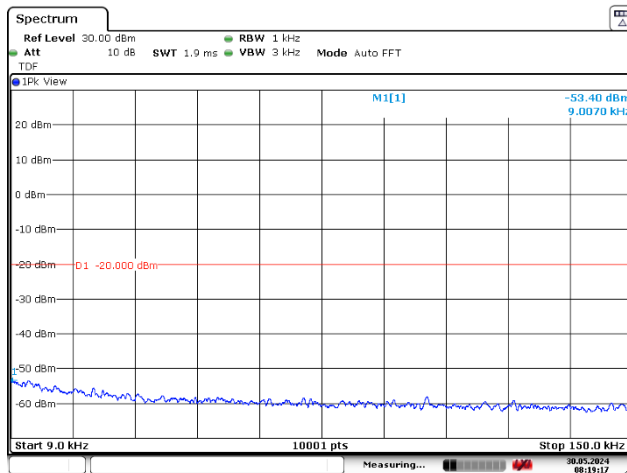


Figure 52: 9 – 150 kHz

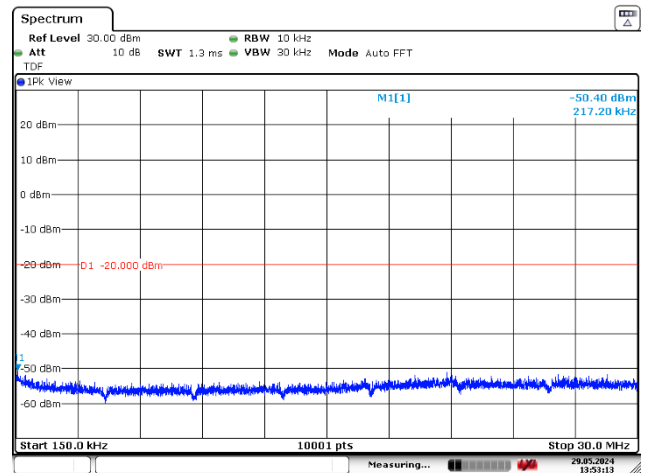


Figure 53: 150 kHz – 30 MHz

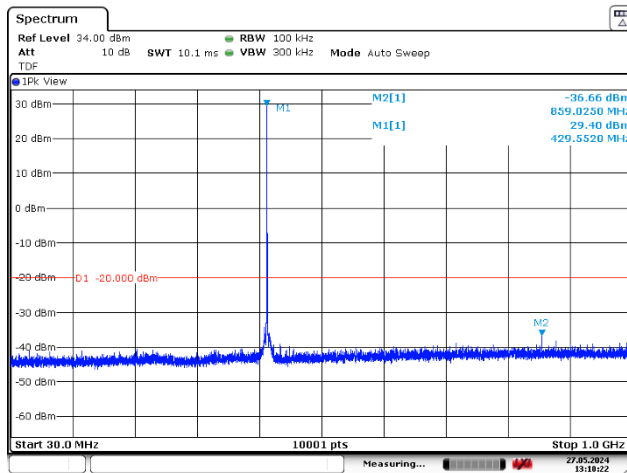


Figure 54: 30 – 1000 MHz

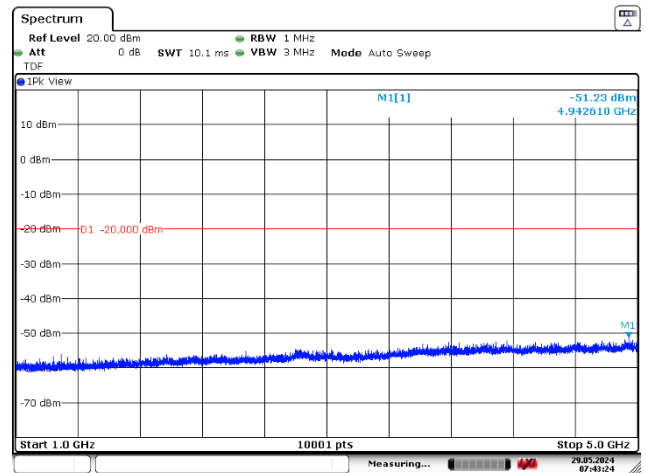


Figure 55: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 25 kHz, GMSK, 4800 bps

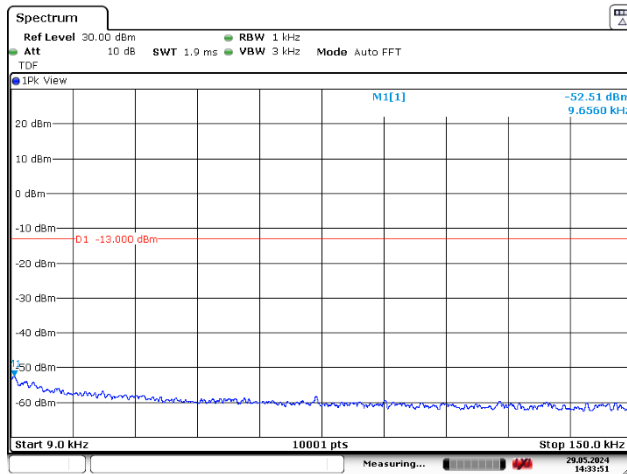


Figure 56: 9 – 150 kHz

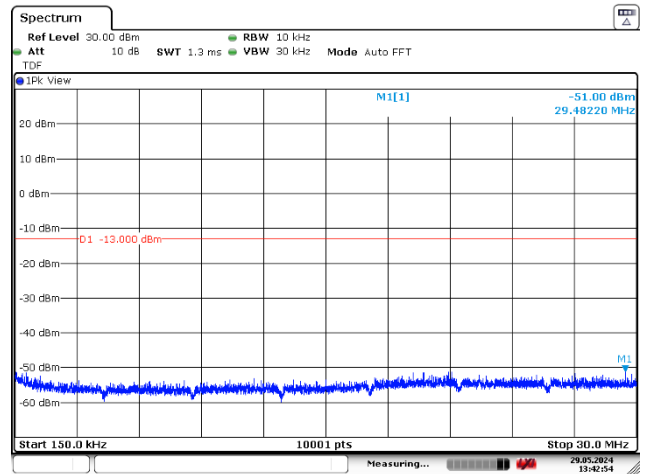


Figure 57: 150 kHz – 30 MHz

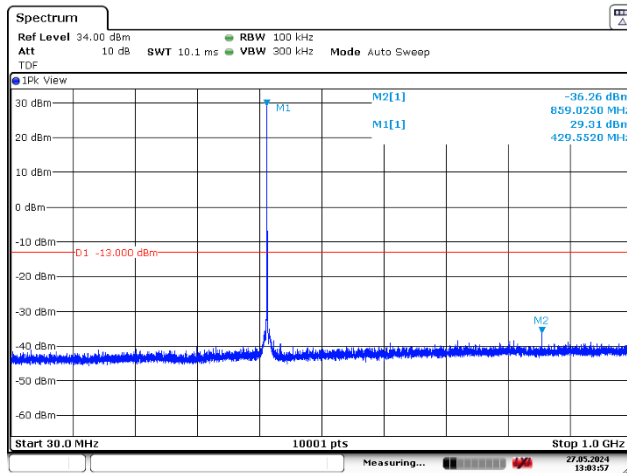


Figure 58: 30 – 1000 MHz

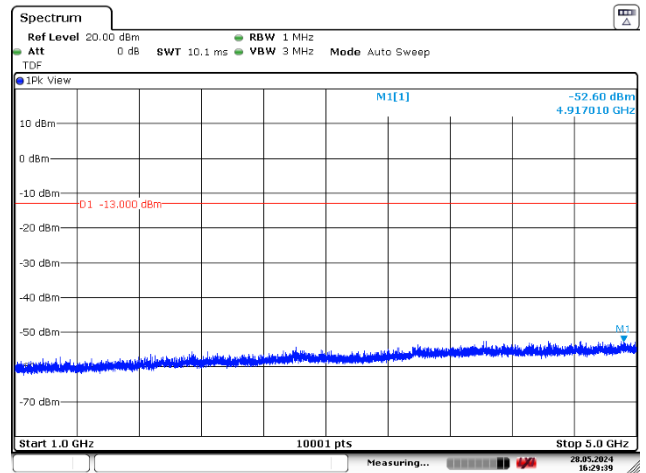


Figure 59: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 25 kHz, GMSK, 9600 bps

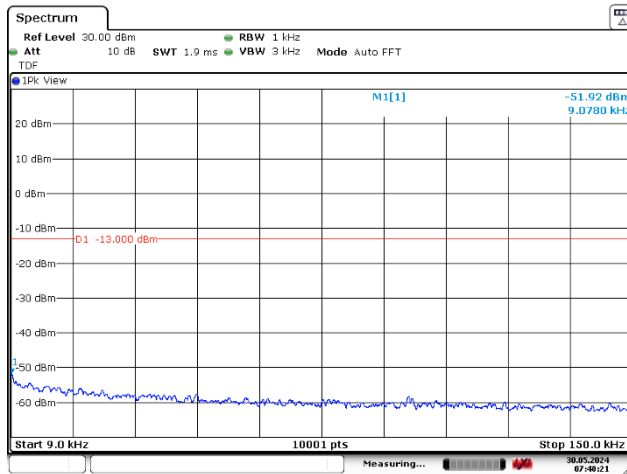


Figure 60: 9 – 150 kHz

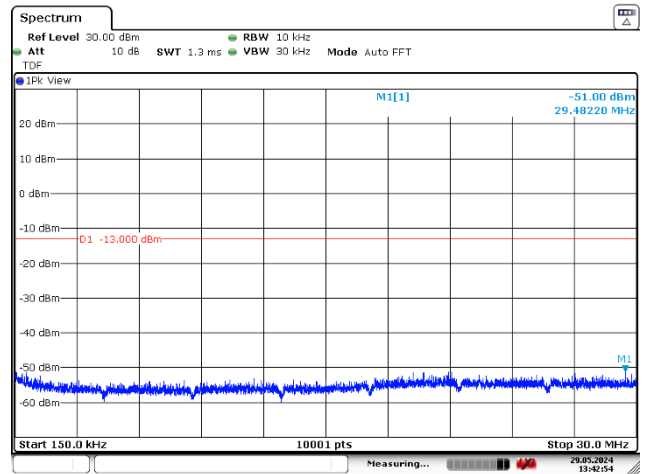


Figure 61: 150 kHz – 30 MHz

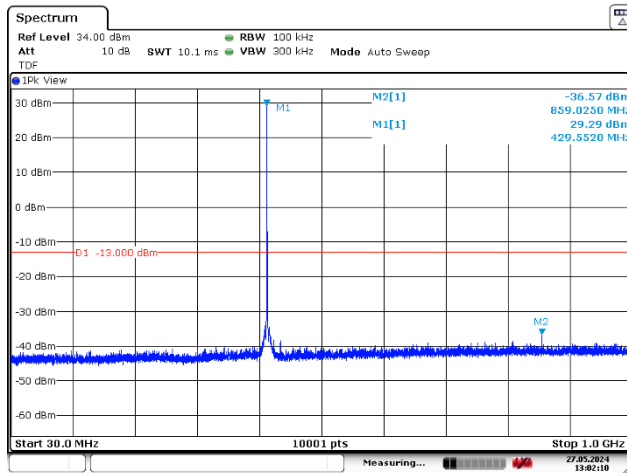


Figure 62: 30 – 1000 MHz

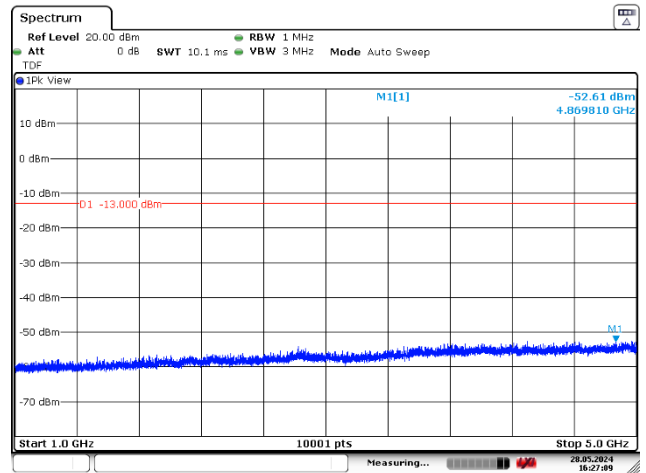


Figure 63: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 25 kHz, GMSK, 16000 bps

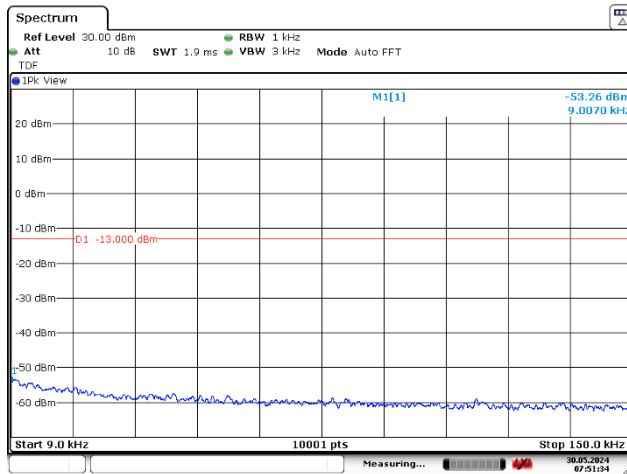


Figure 64: 9 – 150 kHz

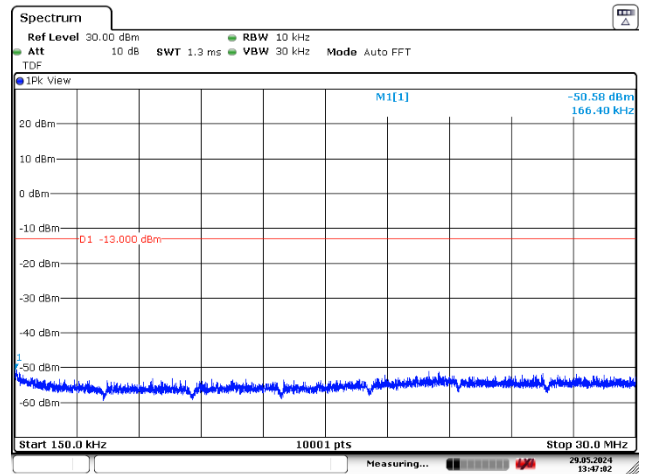


Figure 65: 150 kHz – 30 MHz

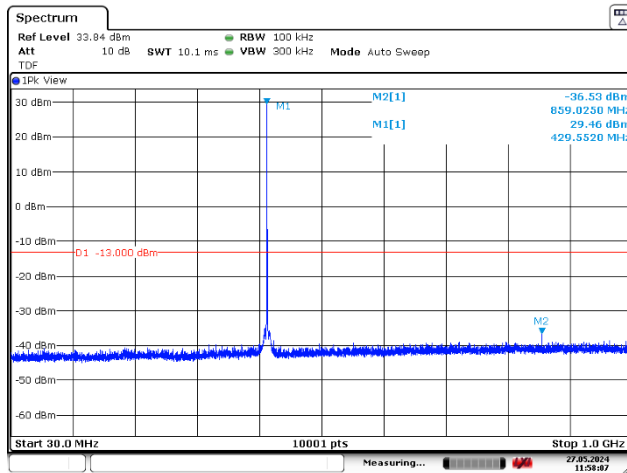


Figure 66: 30 – 1000 MHz

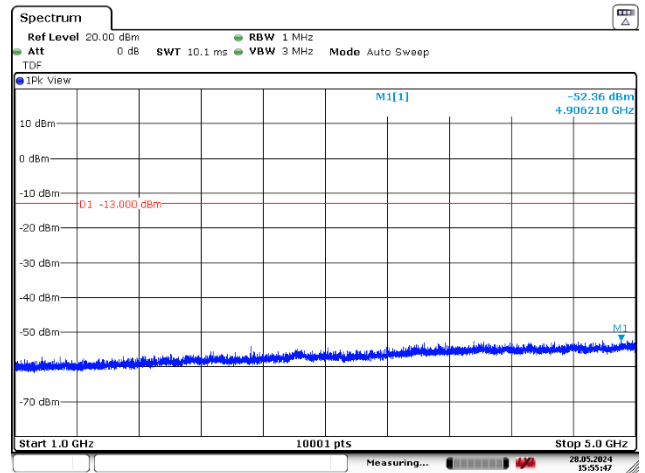


Figure 67: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 25 kHz, GMSK, 19200 bps

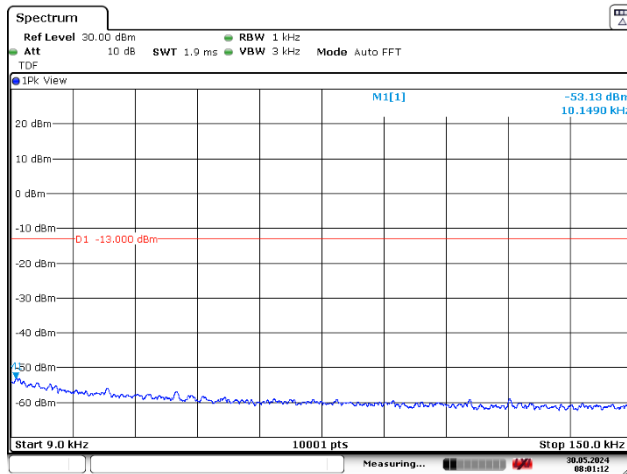


Figure 68: 9 – 150 kHz

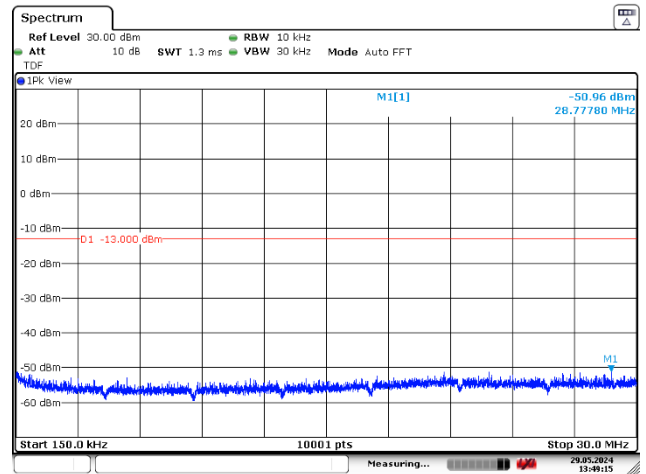


Figure 69: 150 kHz – 30 MHz

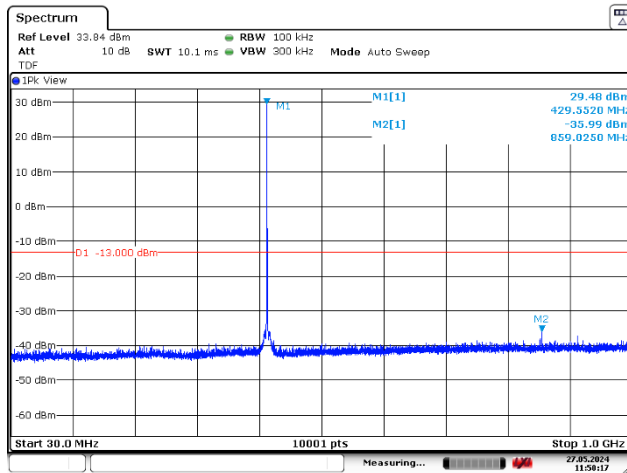


Figure 70: 30 – 1000 MHz

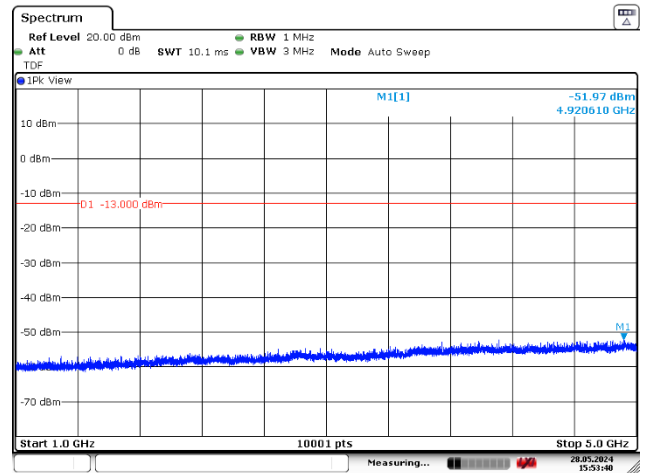


Figure 71: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 429.5 MHz, 25 kHz, 4FSK, 19200 bps

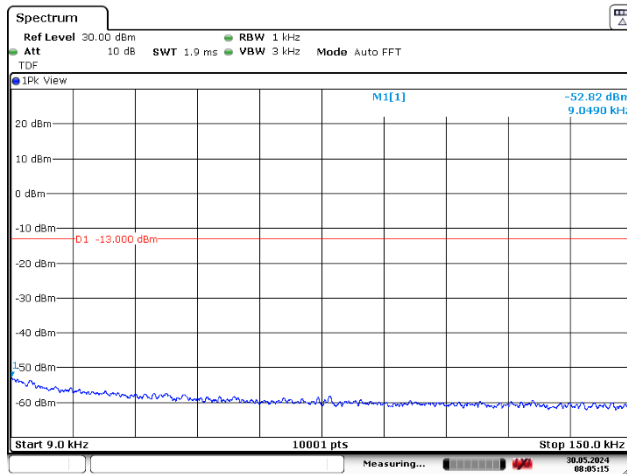


Figure 72: 9 – 150 kHz

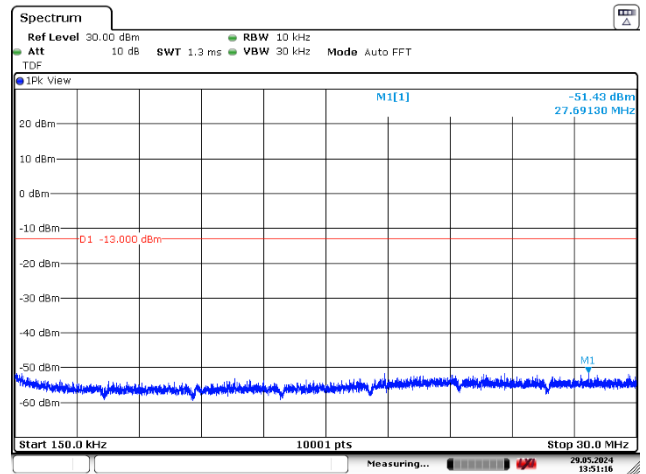


Figure 73: 150 kHz – 30 MHz

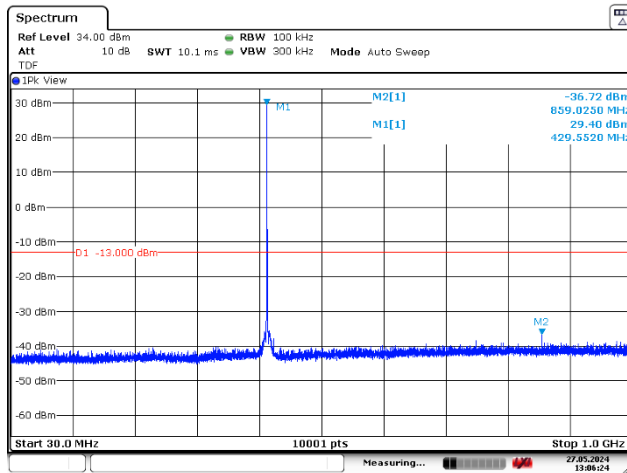


Figure 74: 30 – 1000 MHz

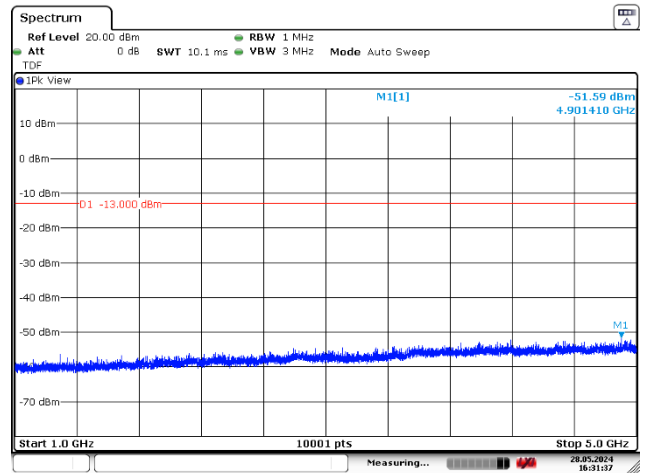


Figure 75: 1 – 5 GHz

Spurious emissions (conducted) 9 kHz – 5 GHz

Spurious emissions TX 440.0 MHz, 12.5 kHz, GMSK, 4800 bps

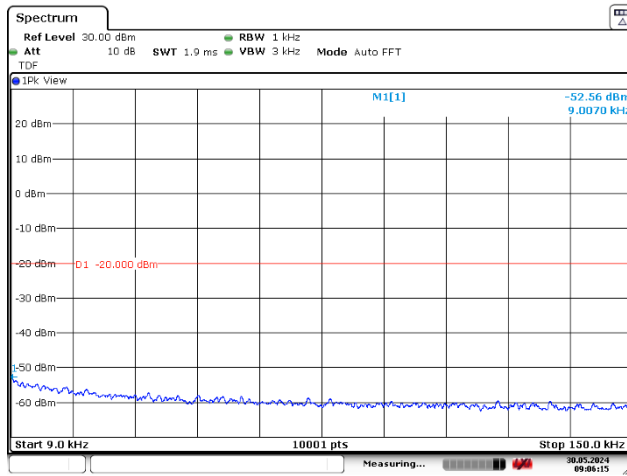


Figure 76: 9 – 150 kHz

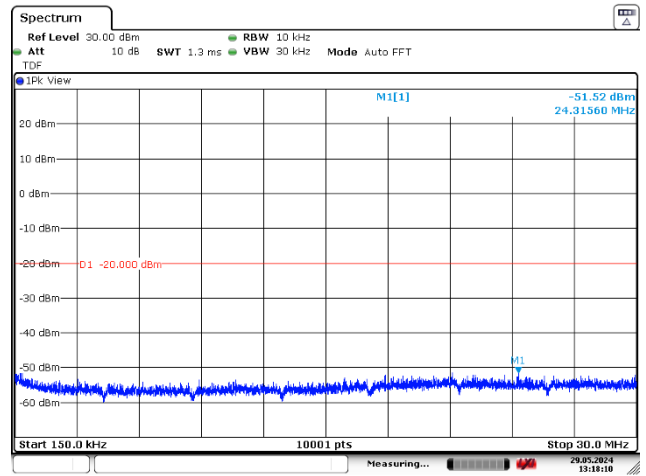


Figure 77: 150 kHz – 30 MHz

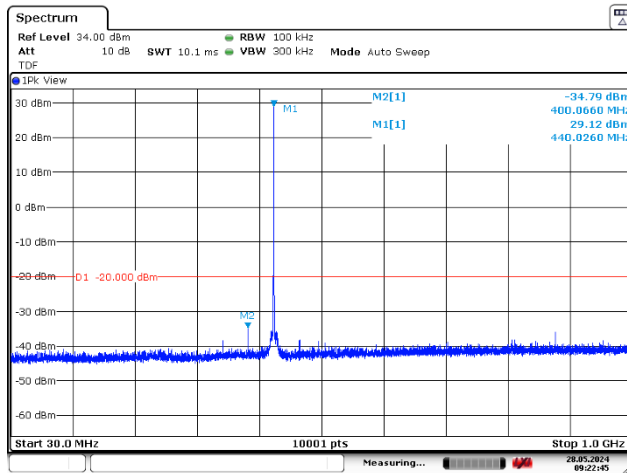


Figure 78: 30 – 1000 MHz

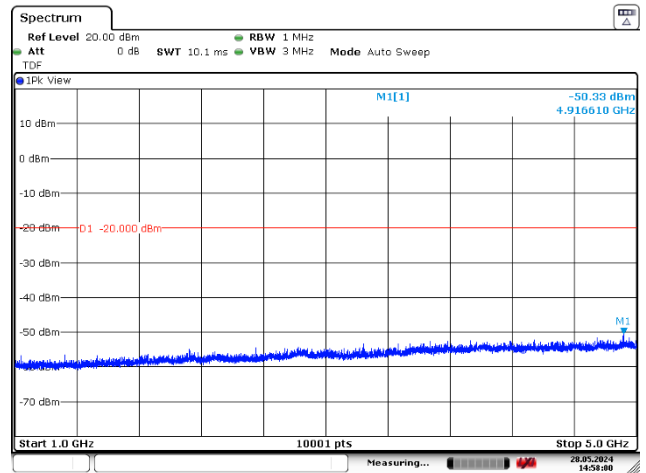


Figure 79: 1 – 5 GHz