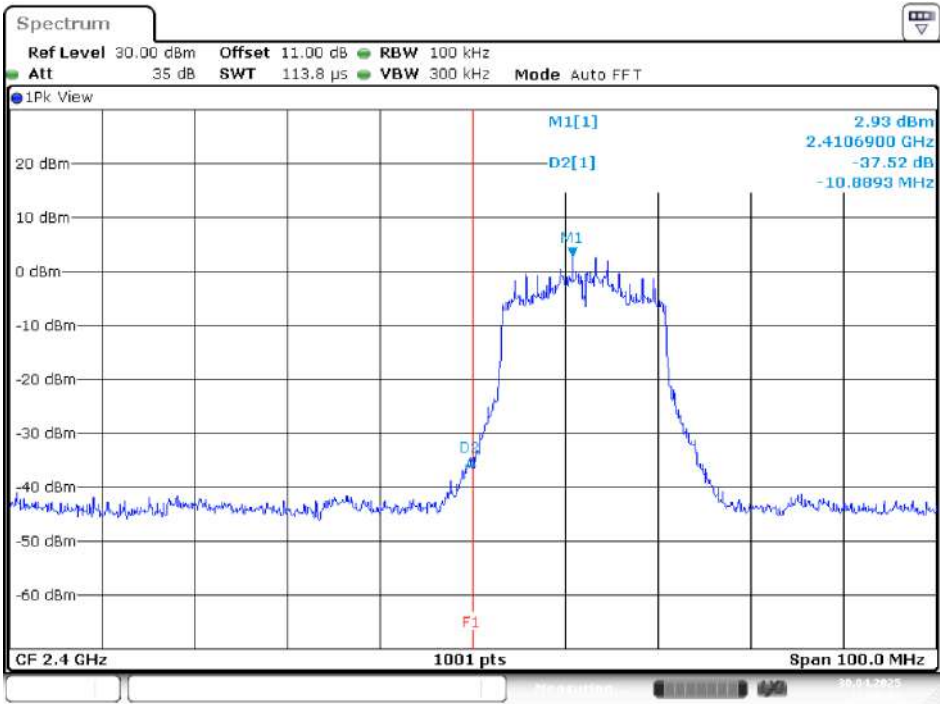
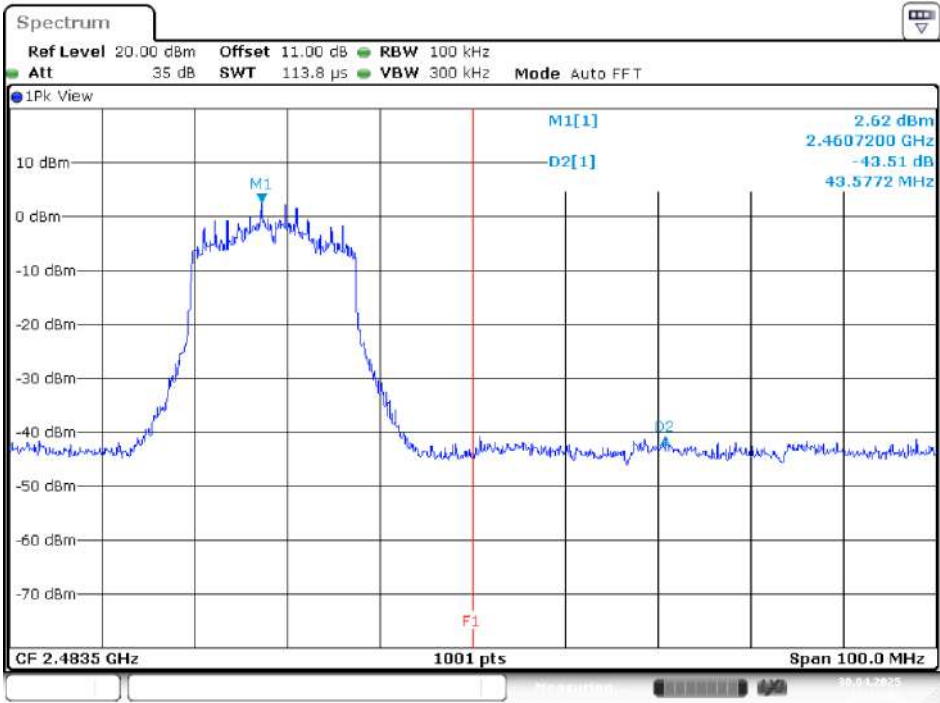


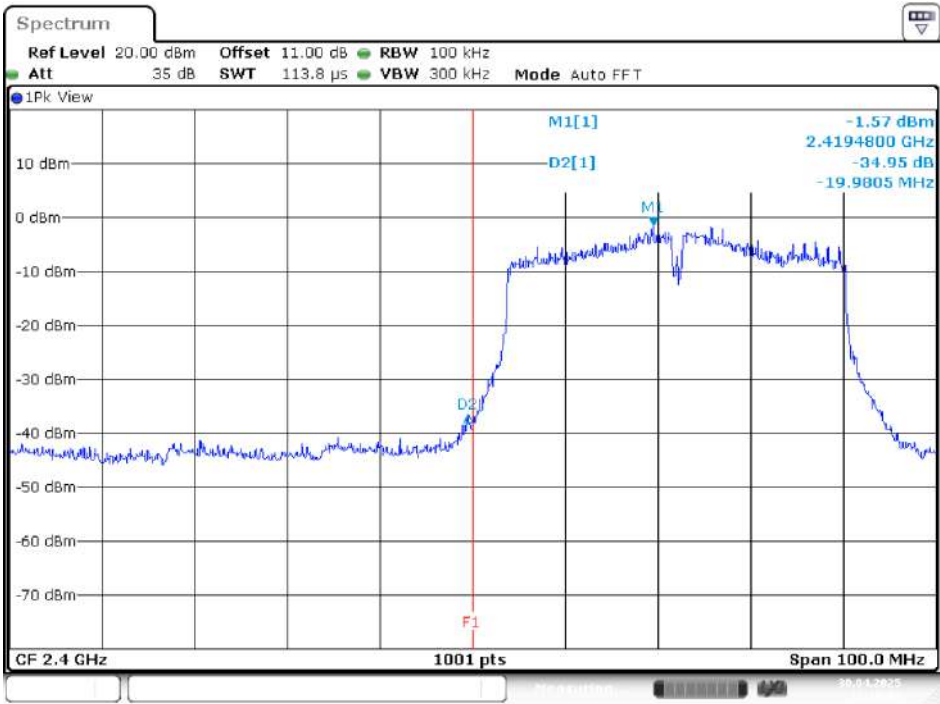
N20 Mode
Band Edge, Left Side



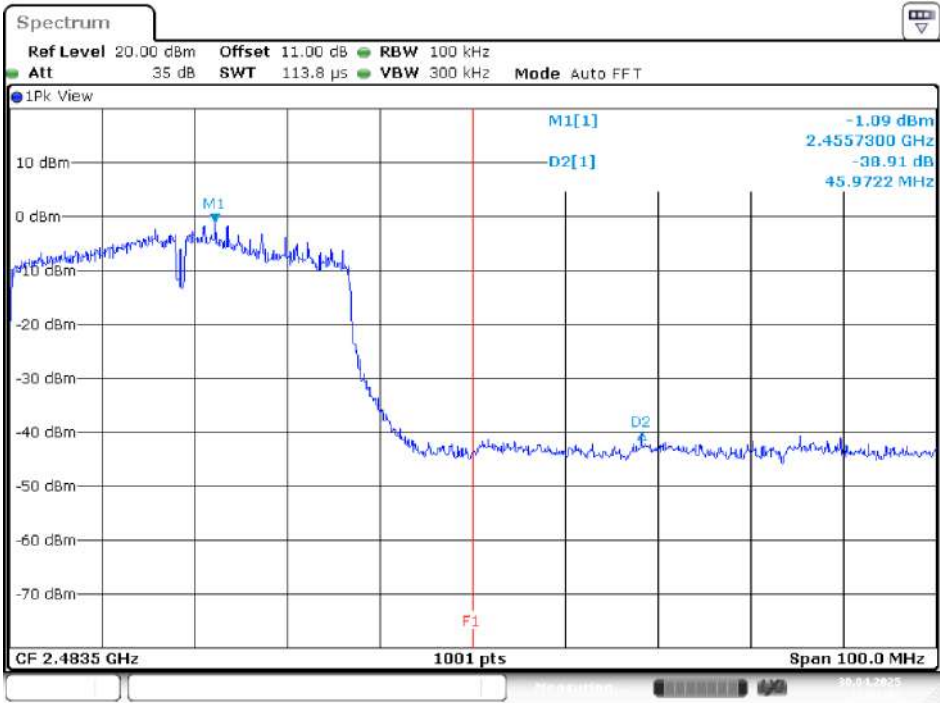
Band Edge, Right Side



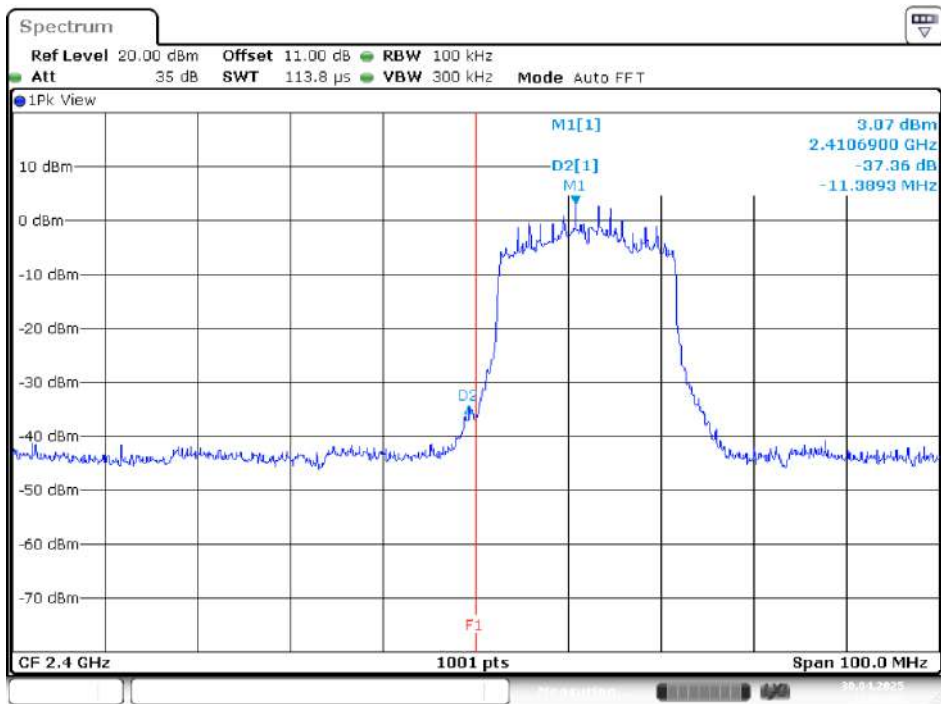
N40 Mode
Band Edge, Left Side



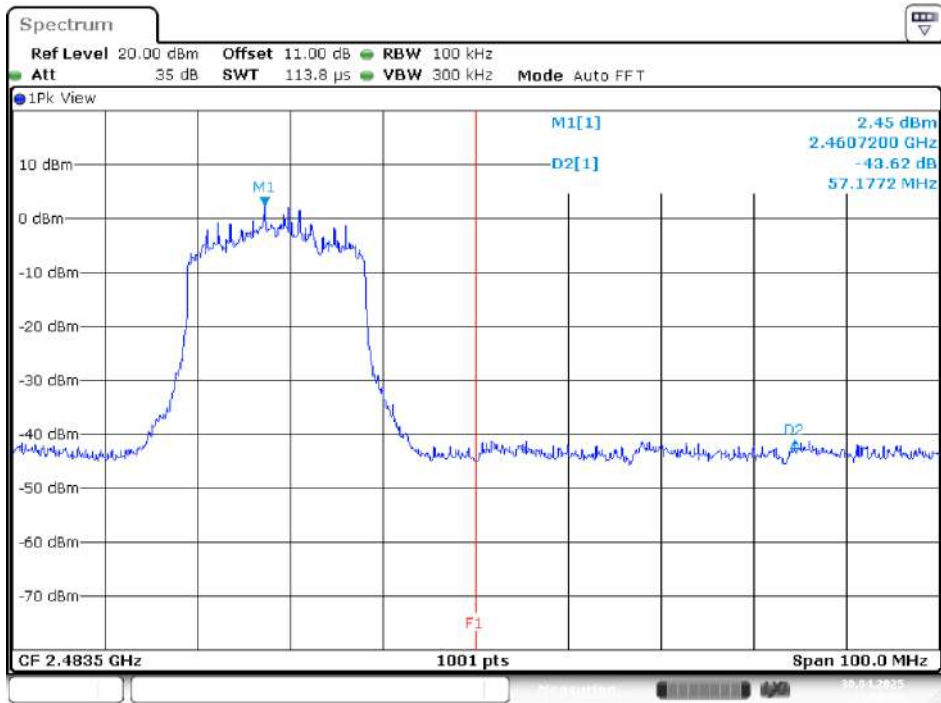
Band Edge, Right Side



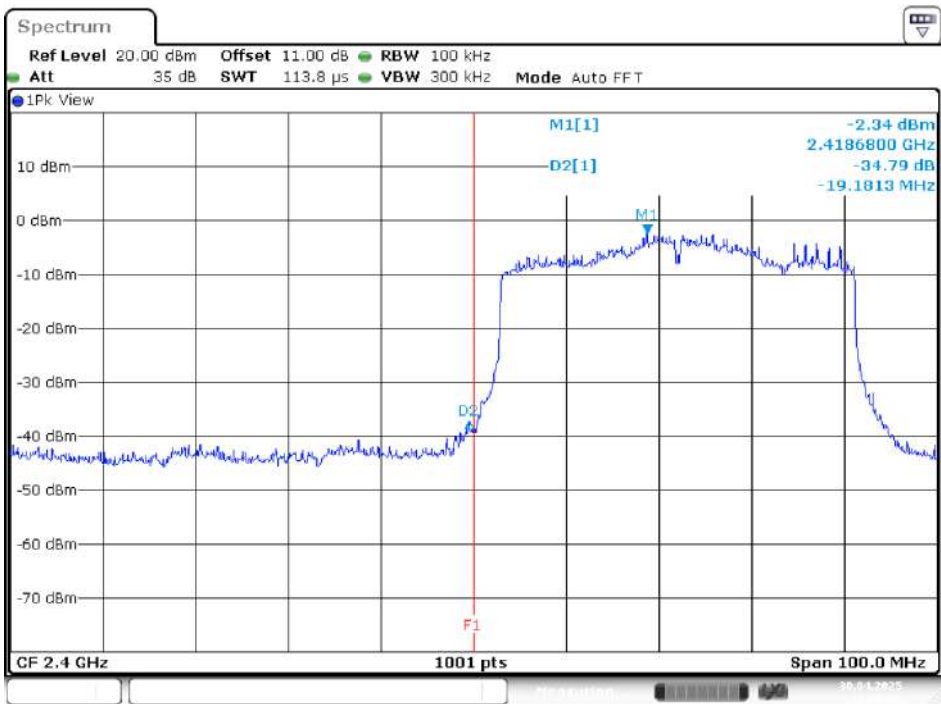
AX20 Mode
Band Edge, Left Side



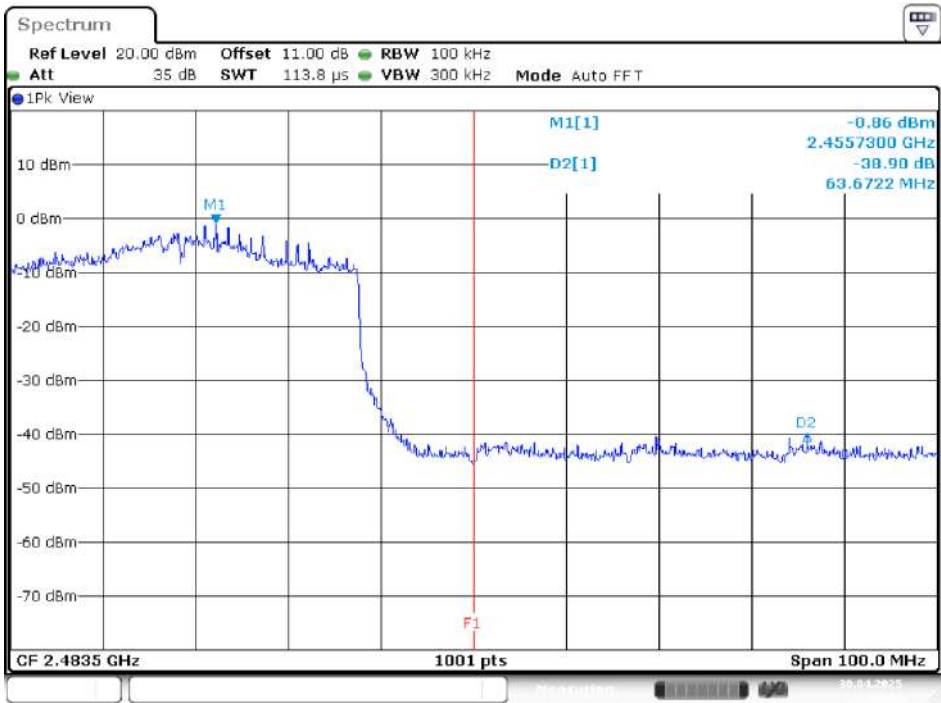
Band Edge, Right Side



AX40 Mode
Band Edge, Left Side

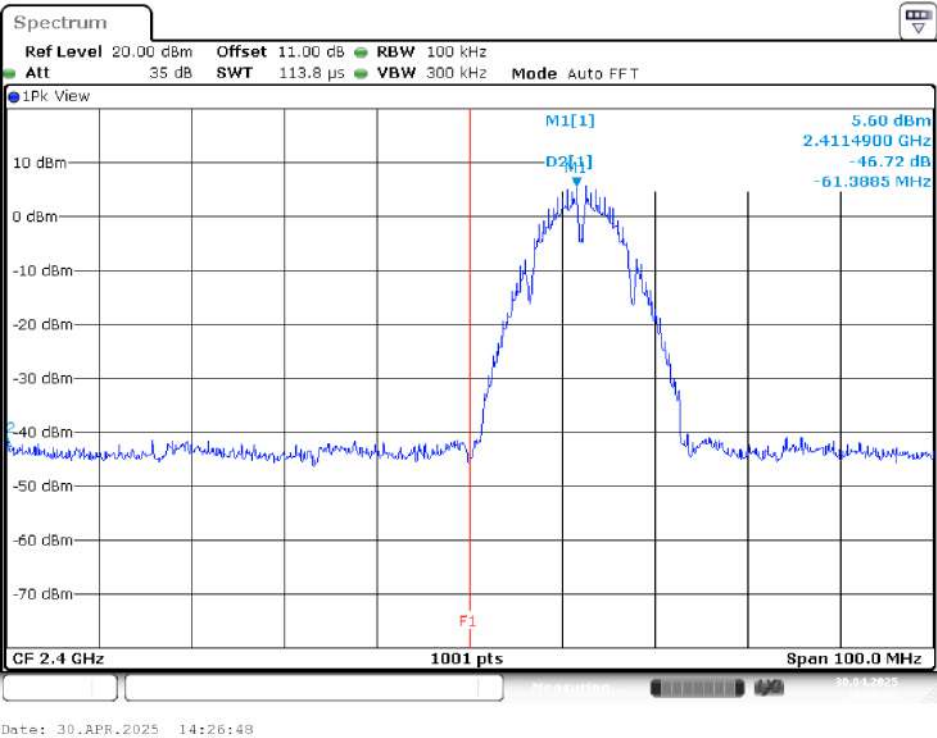


Band Edge, Right Side

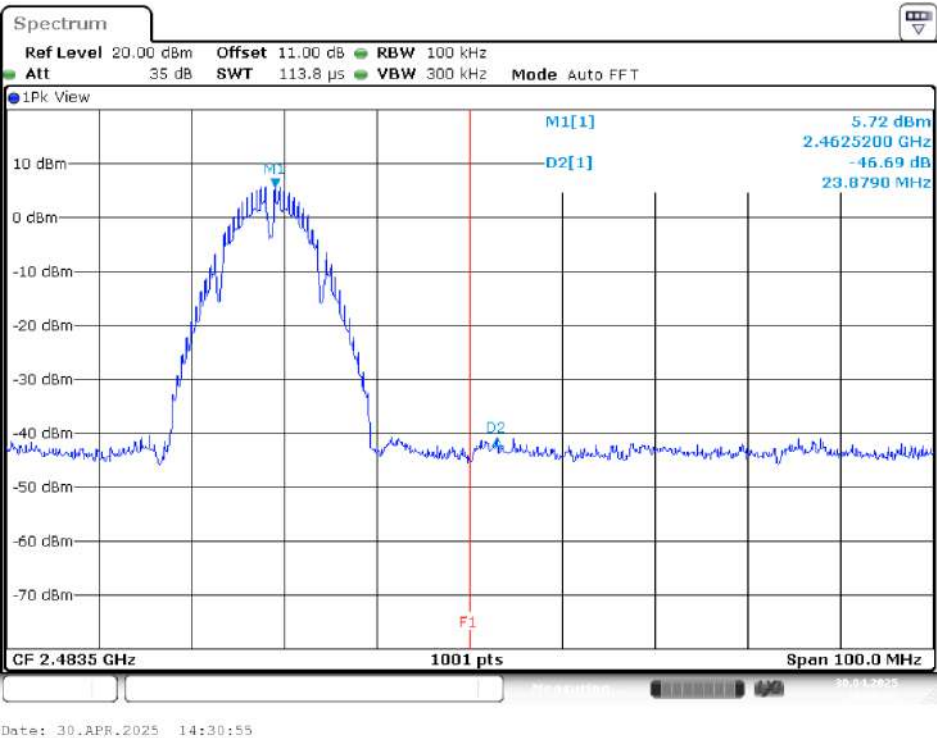


Chain 1

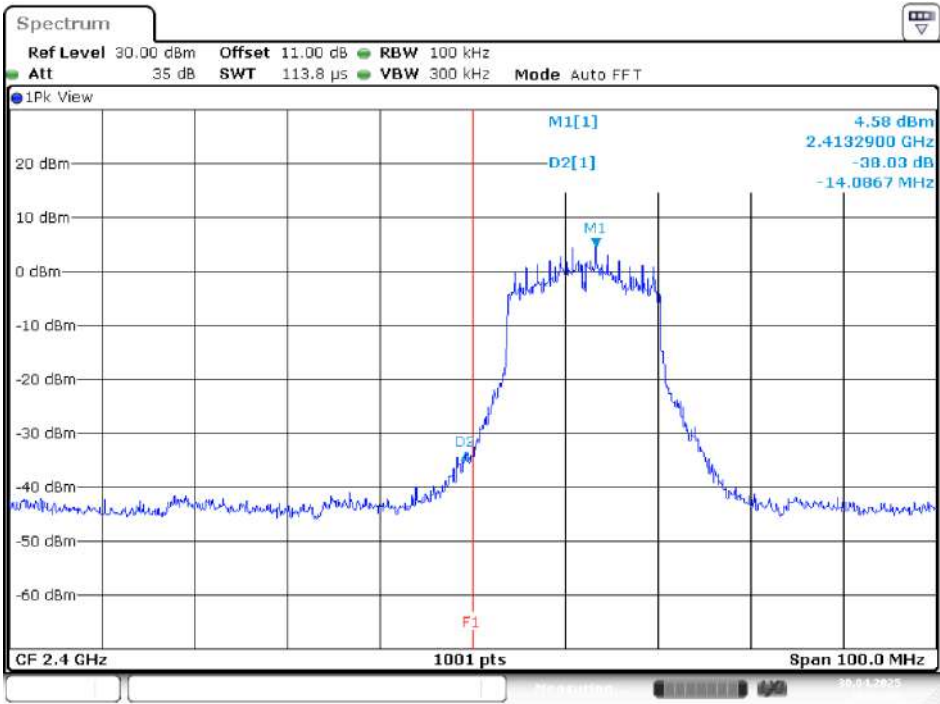
B Mode
Band Edge, Left Side



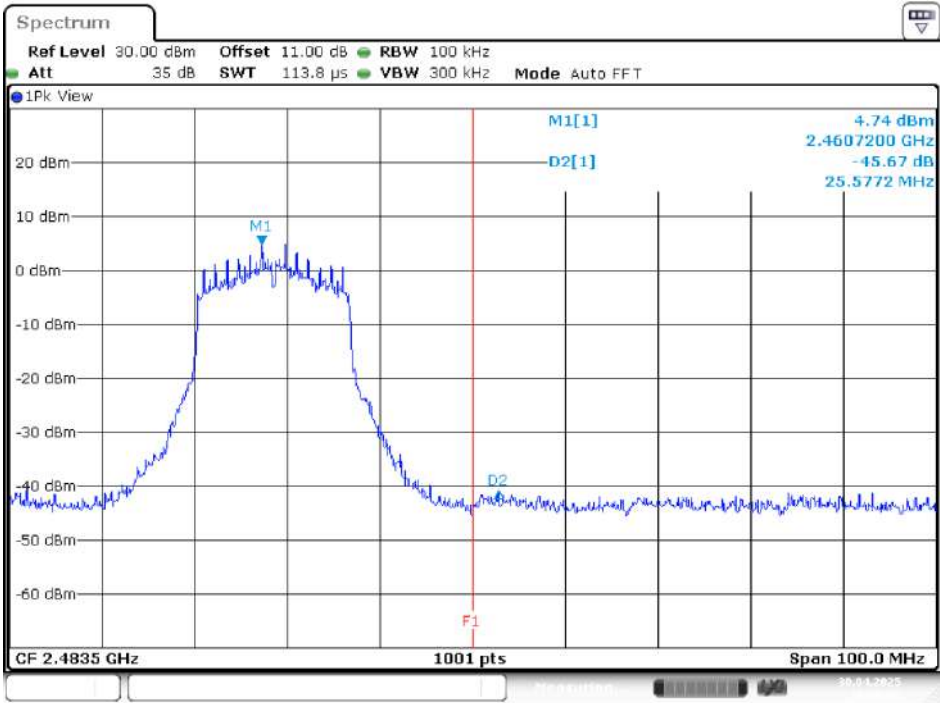
Band Edge, Right Side



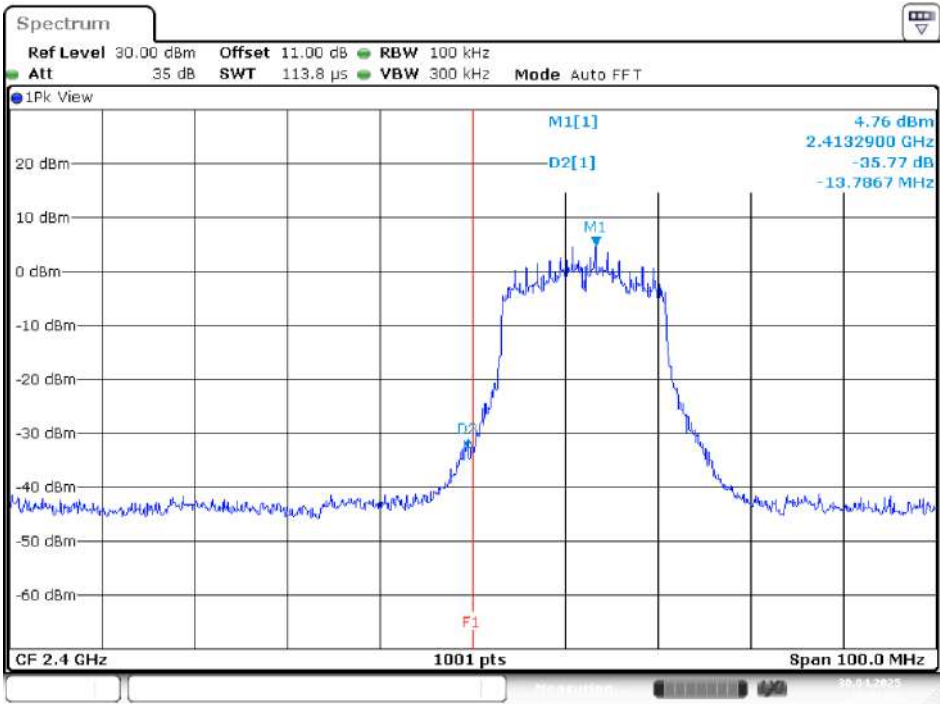
G Mode
Band Edge, Left Side



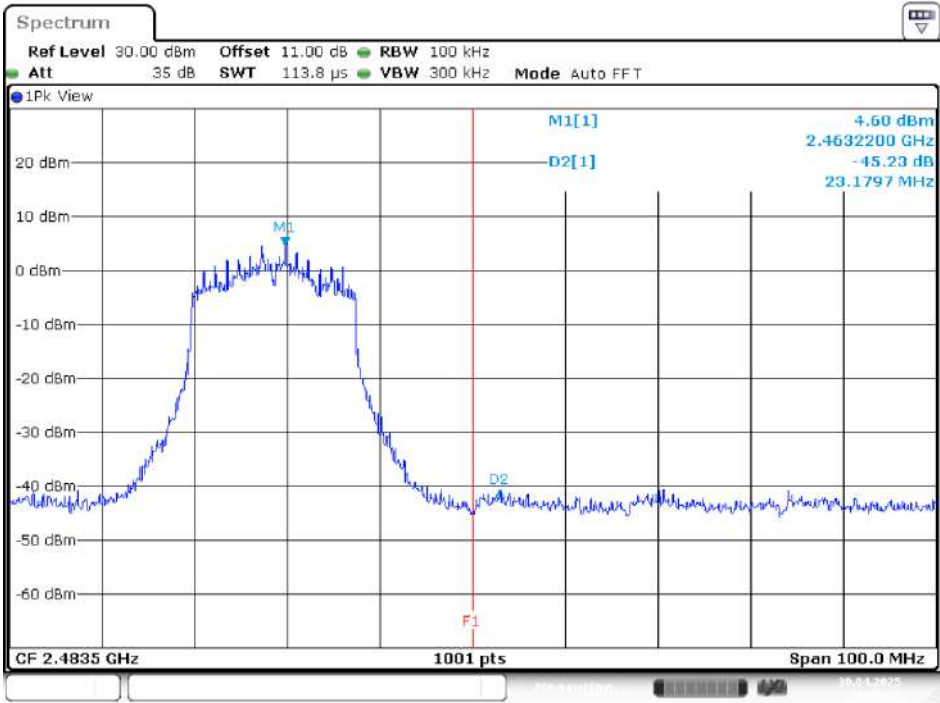
Band Edge, Right Side



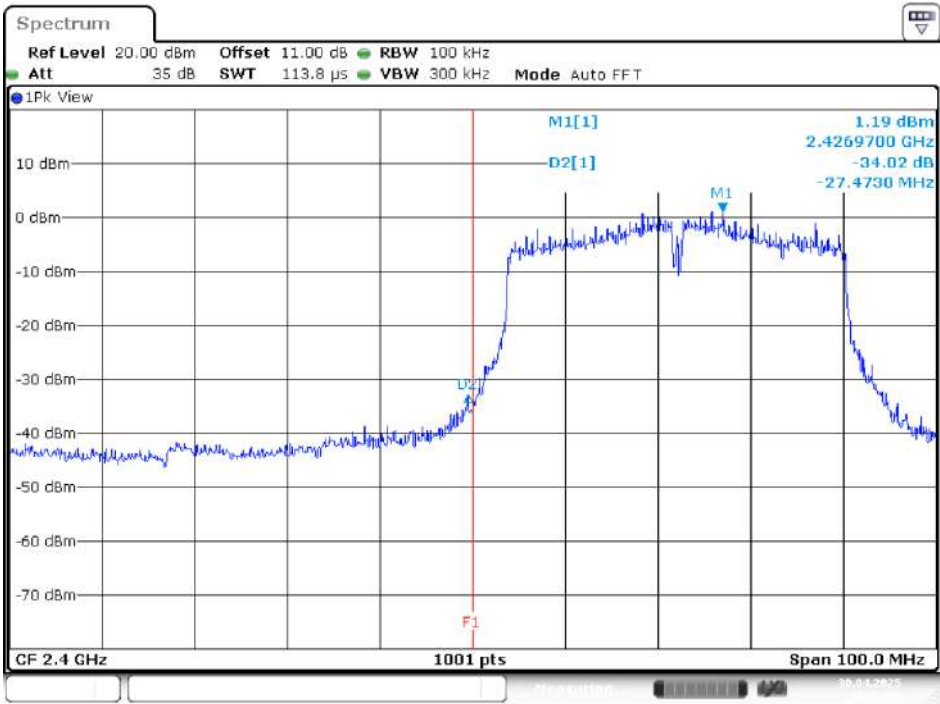
N20 Mode
Band Edge, Left Side



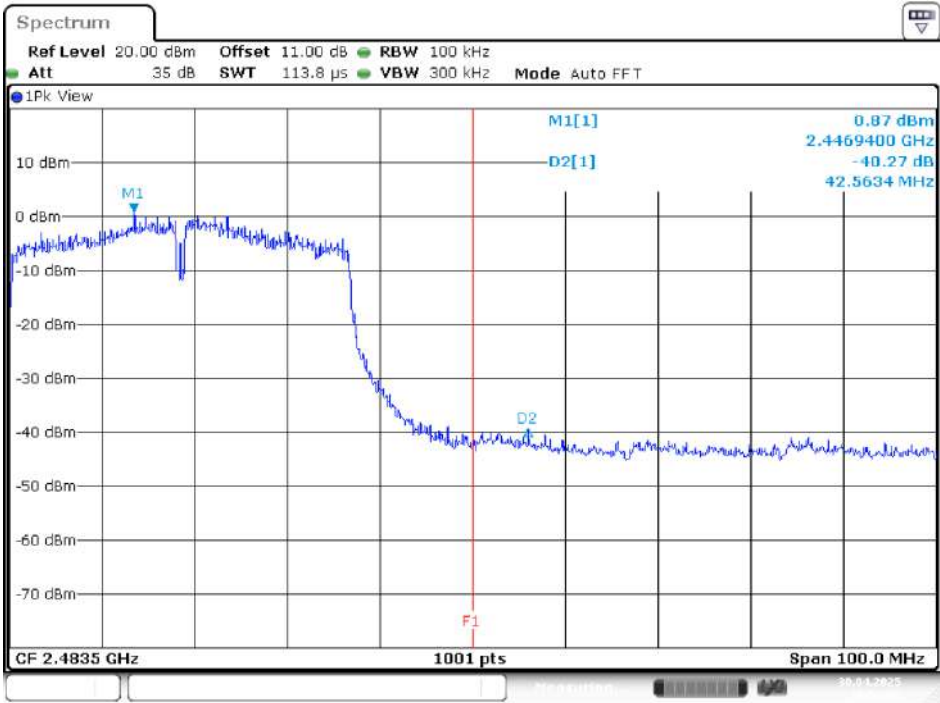
Band Edge, Right Side



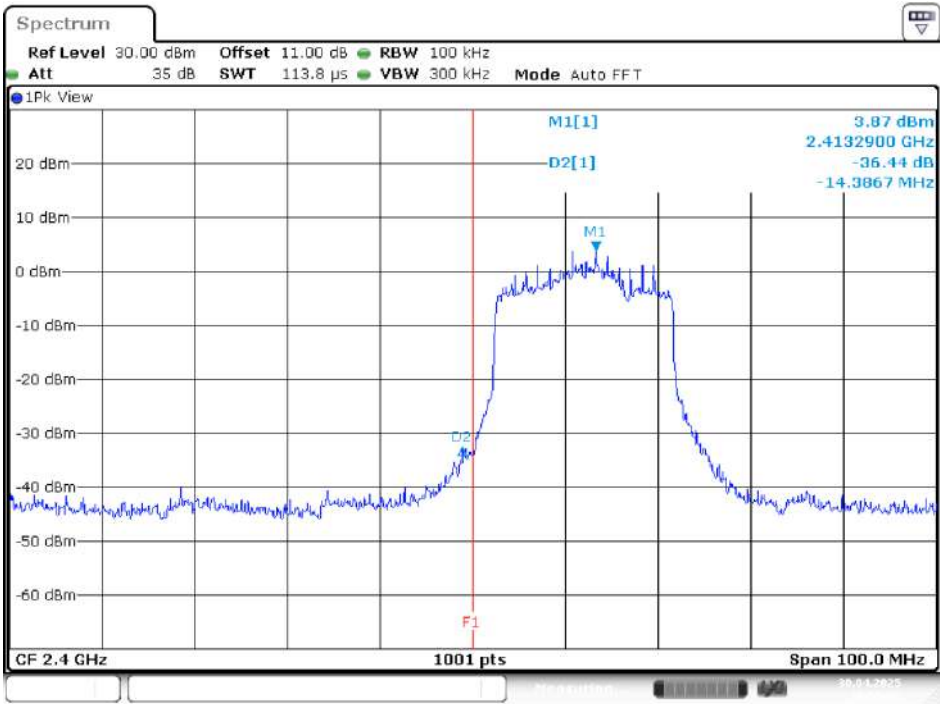
N40 Mode
Band Edge, Left Side



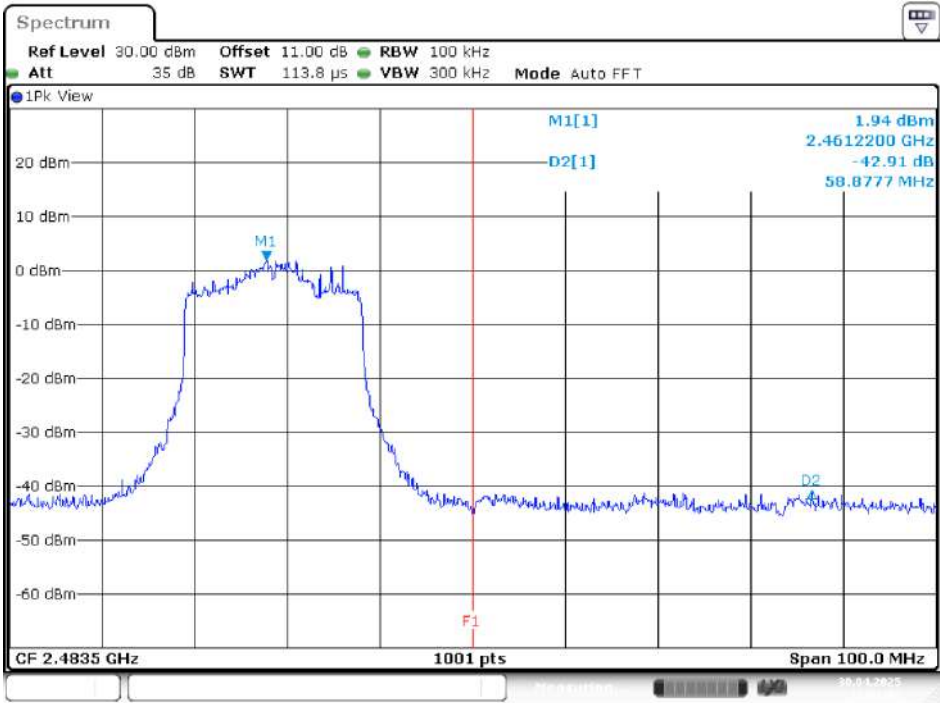
Band Edge, Right Side



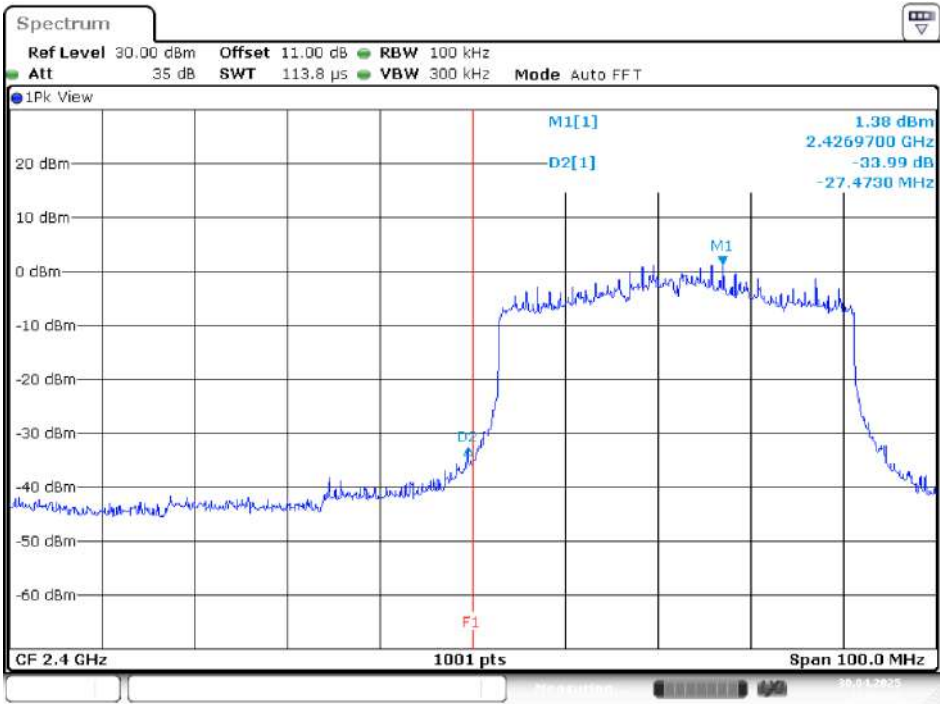
AX20 Mode
Band Edge, Left Side



Band Edge, Right Side

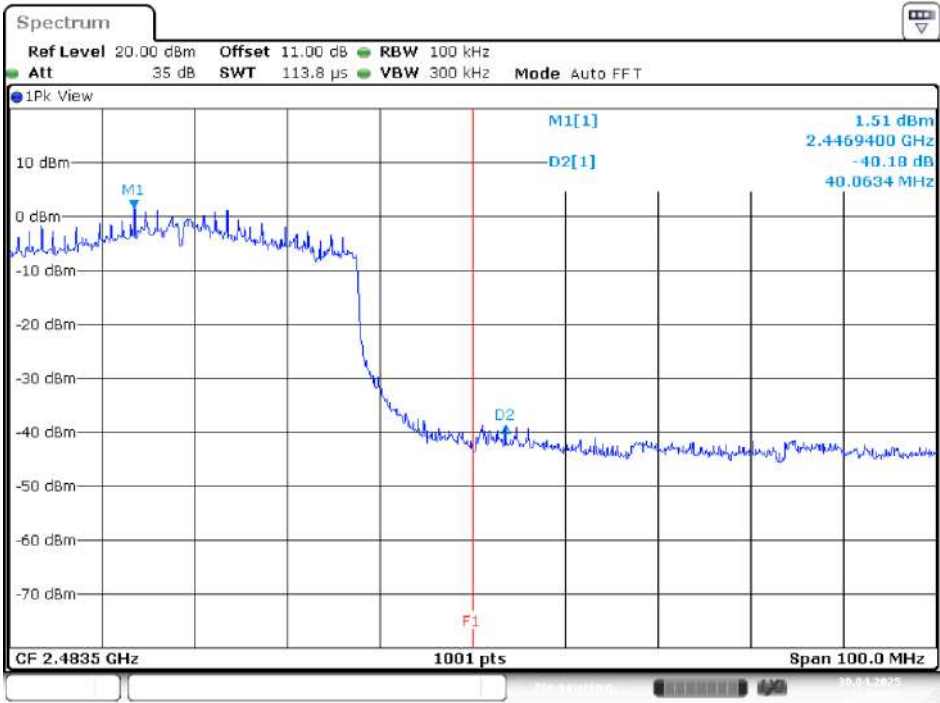


AX40 Mode
Band Edge, Left Side



Date: 30.APR.2025 15:33:33

Band Edge, Right Side



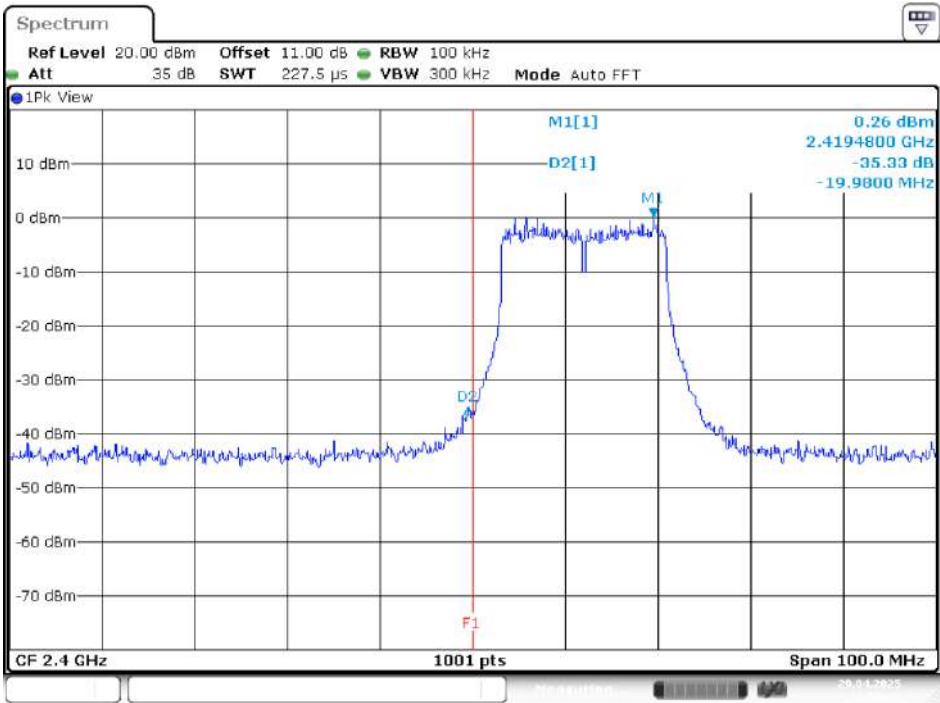
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Beamforming

Chain 0

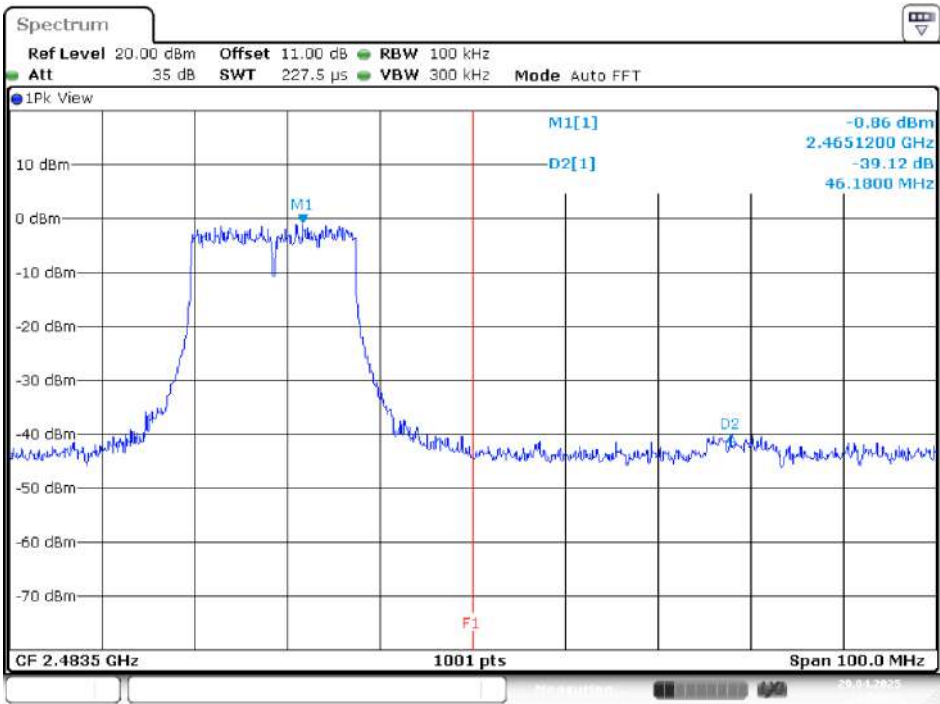
N20 Mode

Band Edge, Left Side



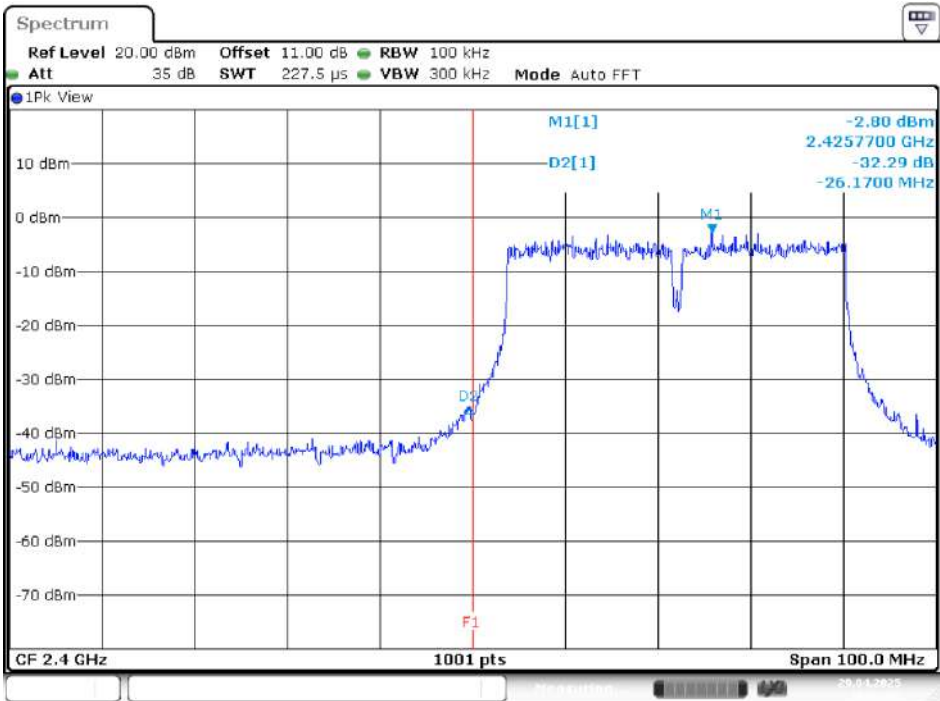
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Band Edge, Right Side

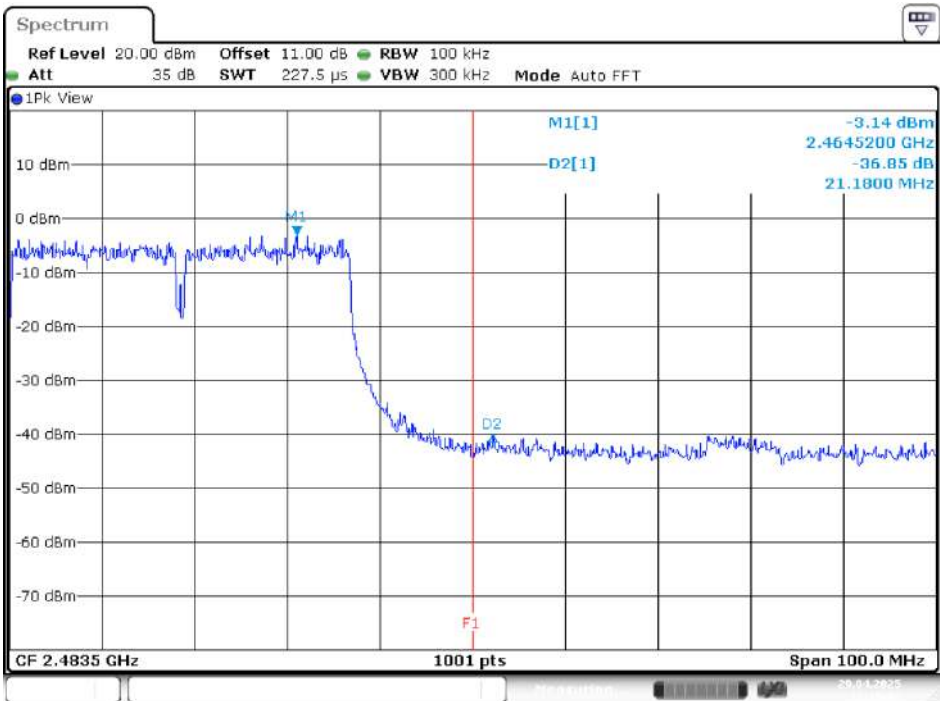


Date: 29.APR.2025 13:59:38

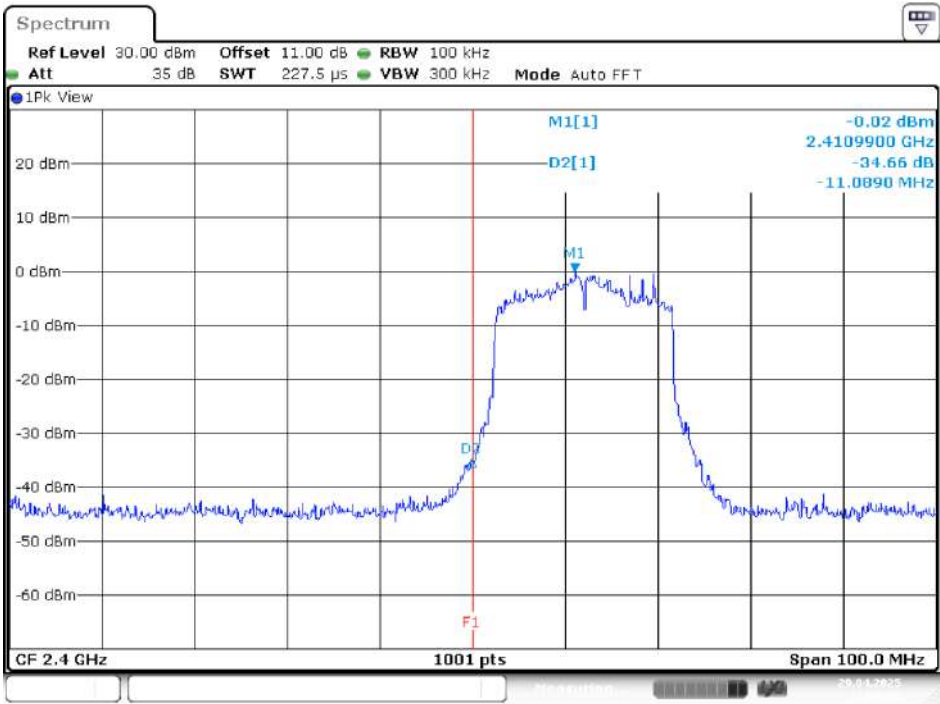
N40 Mode
Band Edge, Left Side



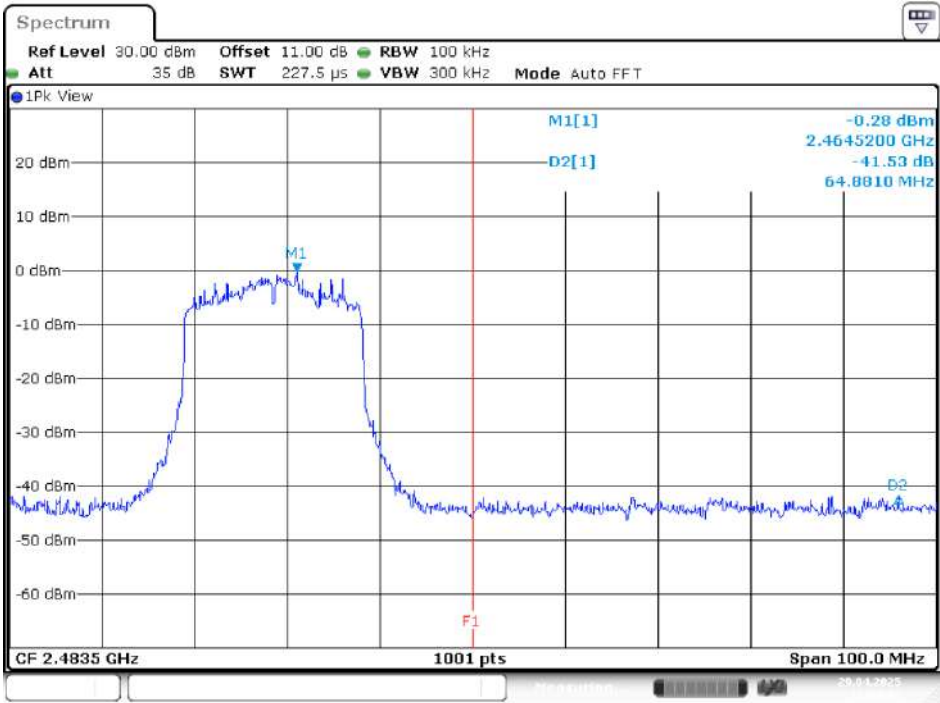
Band Edge, Right Side



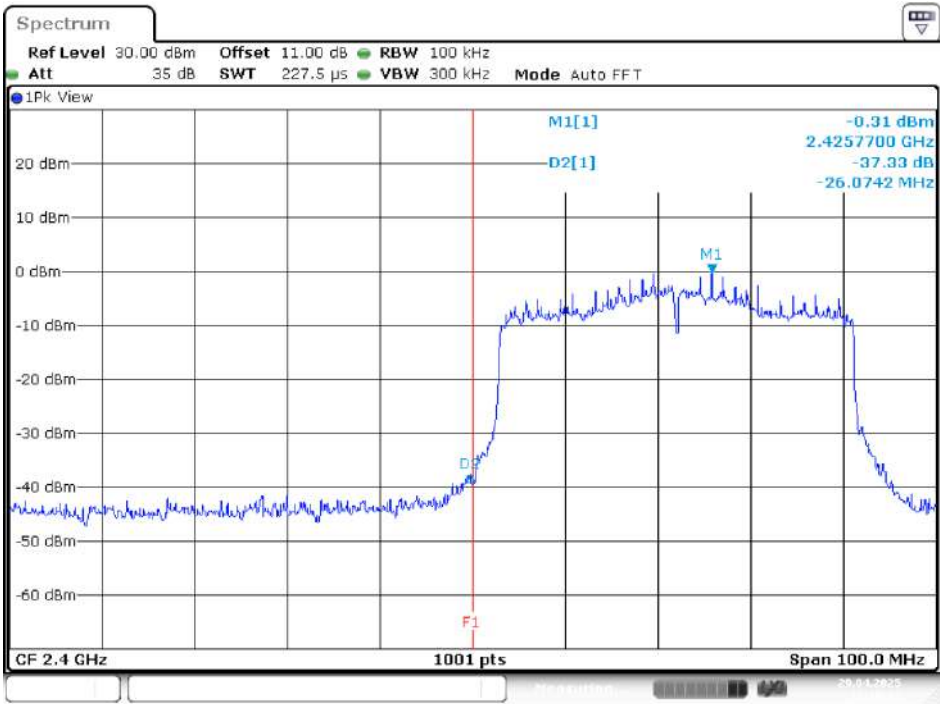
AX20 Mode
Band Edge, Left Side



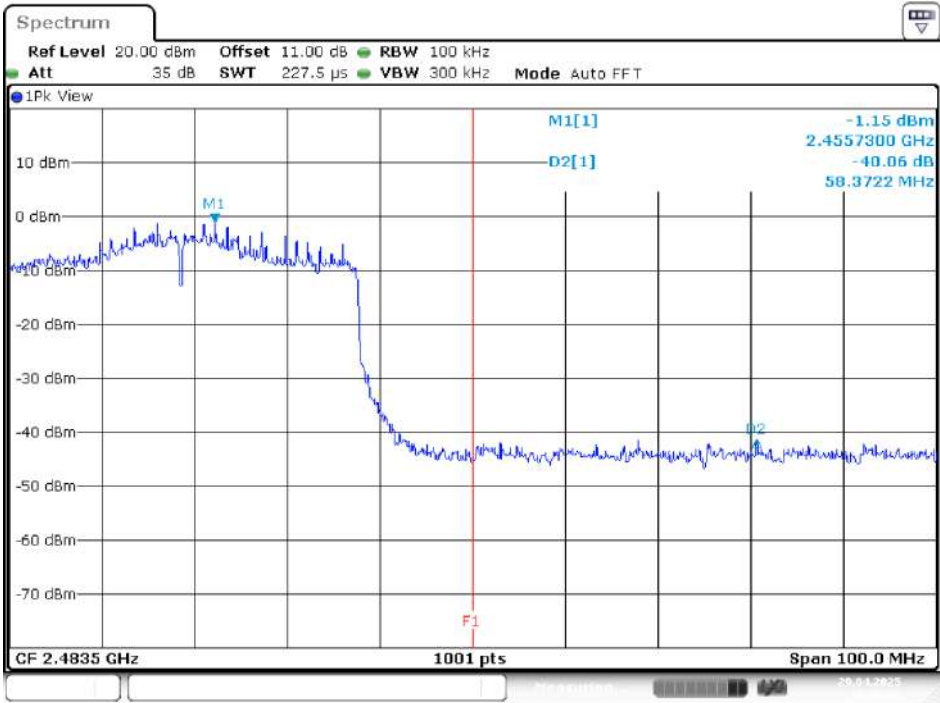
Band Edge, Right Side



AX40 Mode
Band Edge, Left Side

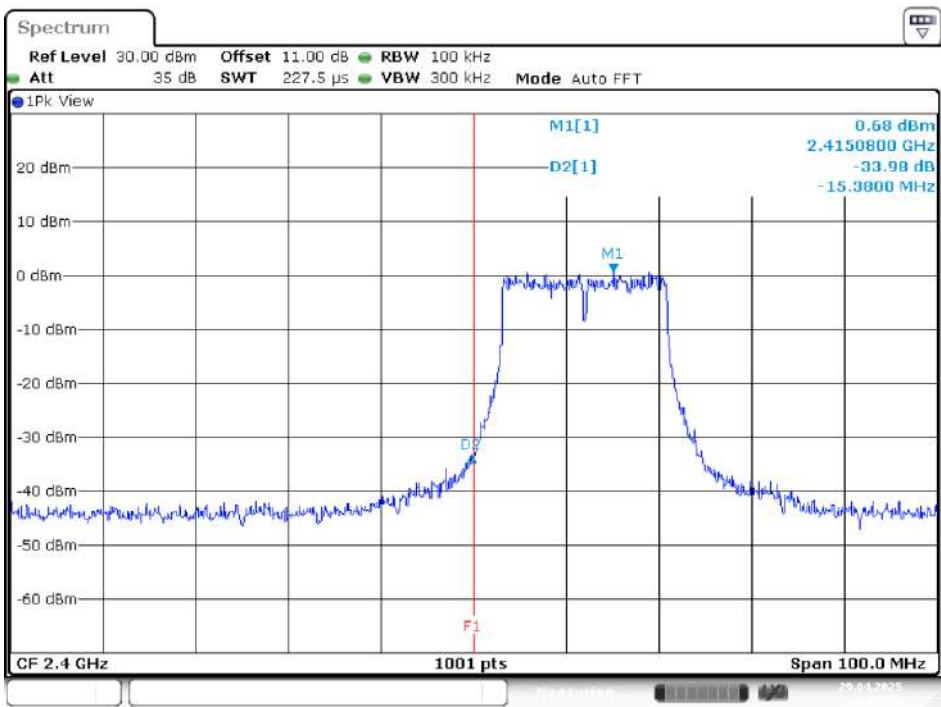


Band Edge, Right Side

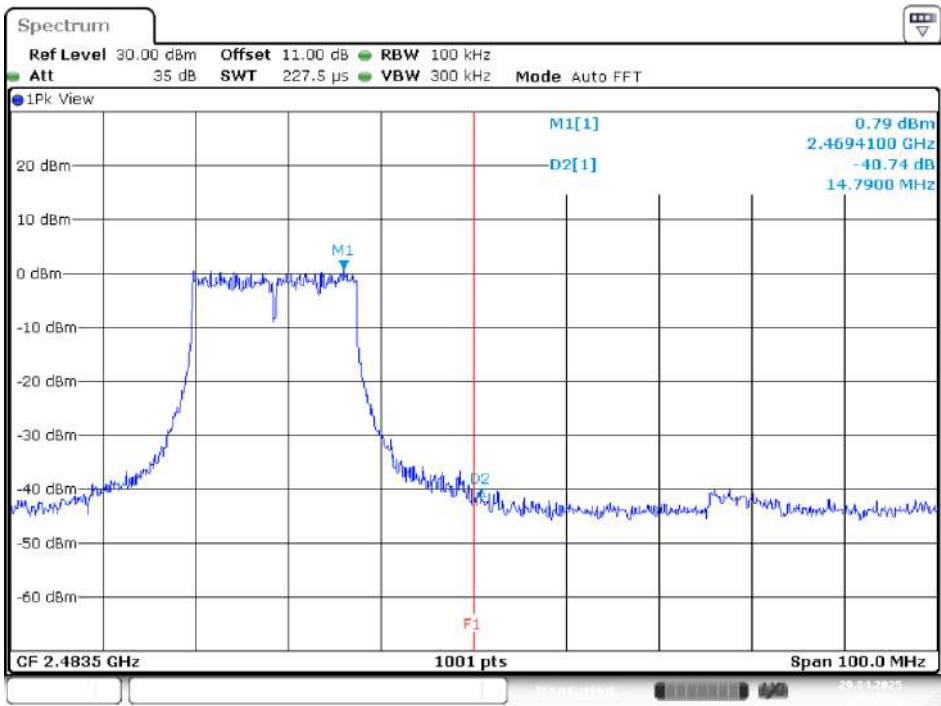


Chain 1

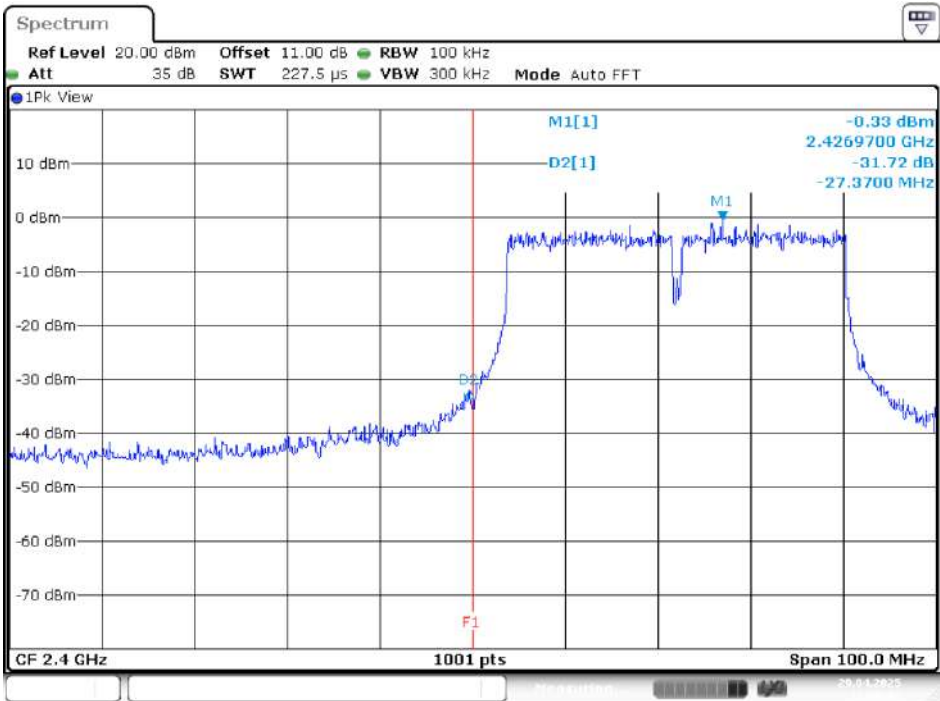
N20 Mode
Band Edge, Left Side



Band Edge, Right Side

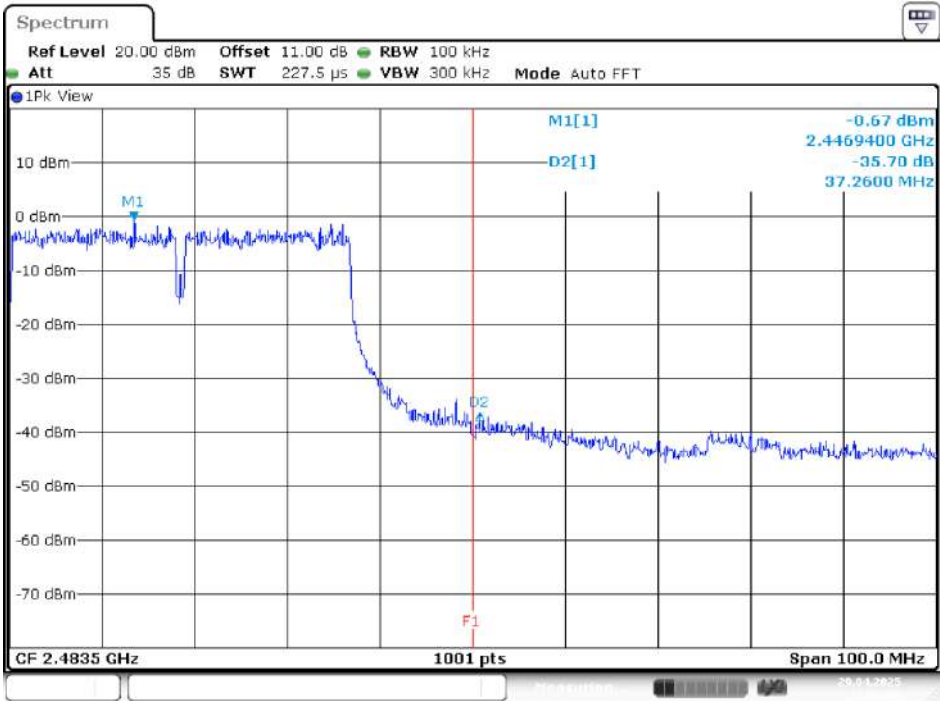


N40 Mode
Band Edge, Left Side



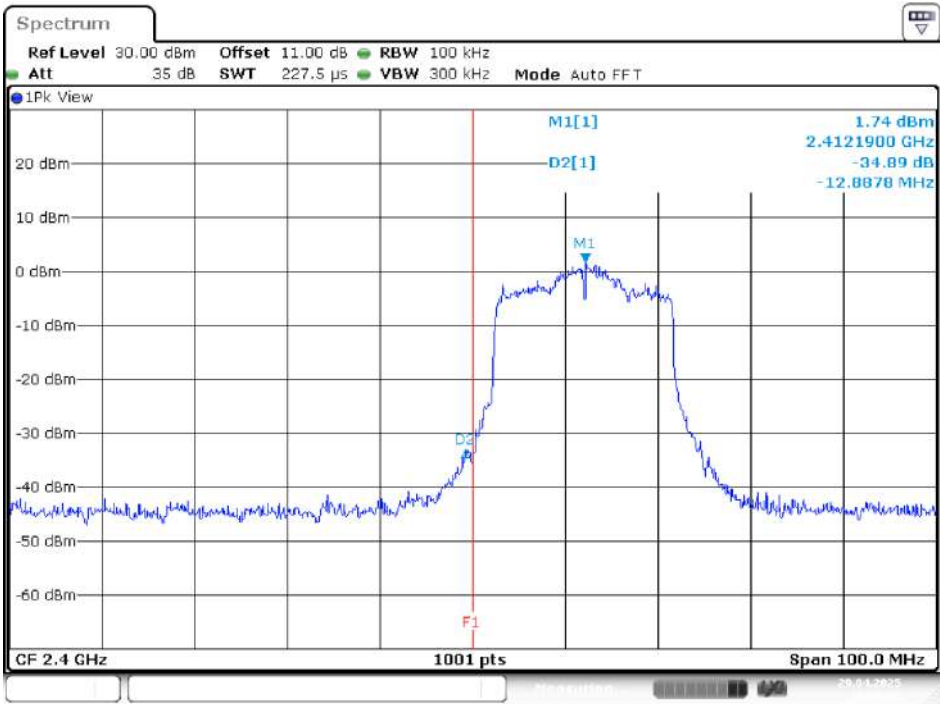
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Band Edge, Right Side

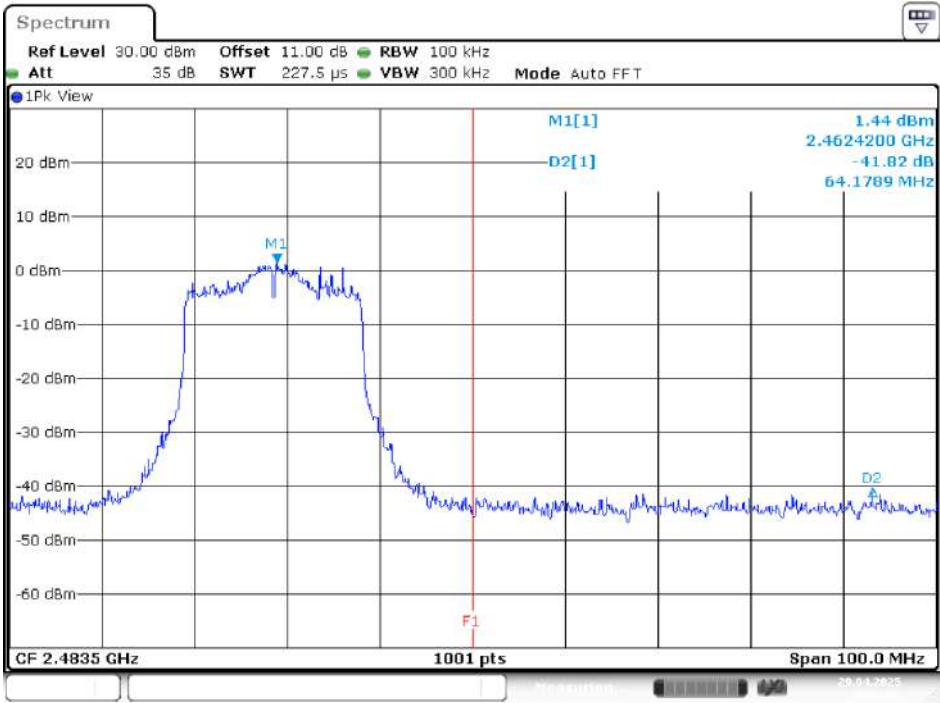


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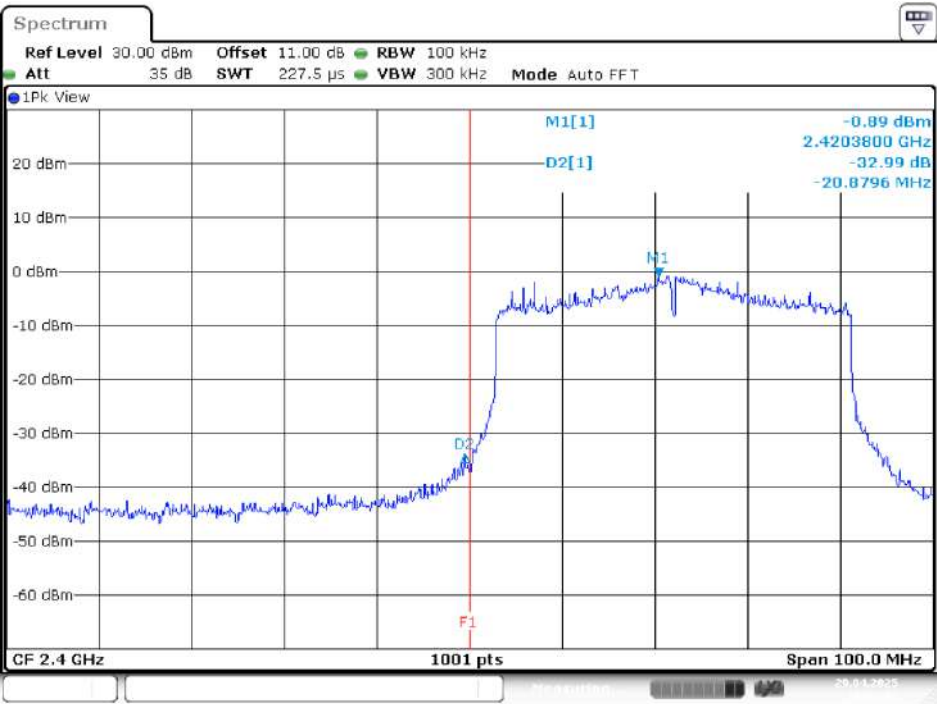
AX20 Mode
Band Edge, Left Side



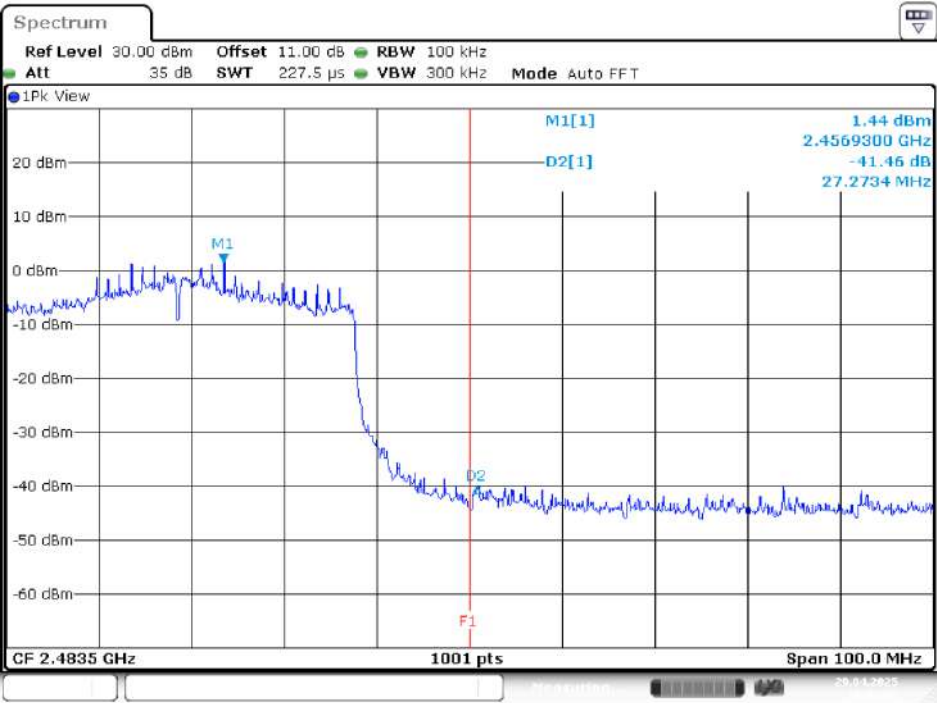
Band Edge, Right Side



AX40 Mode
Band Edge, Left Side



Band Edge, Right Side



11 FCC §15.247(e) & RSS-247 §5.2(b) – Power Spectral Density

11.1 Applicable Standard

According to 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.

According to RSS-247 §5.2(b).

The transmitter power spectral density conducted from the transmitter 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 section 5.4(d), (i.e. the power spectral density shall be determined using the same method as is used to determine the conducted output power).

11.2 Test Procedure

According to ANSI C63.10-2020 + Cor.1-2023, section 11.10.2

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq [3 \times \text{RBW}]$.
5. Detector = peak.
6. Sweep time = No faster than coupled (auto) time.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat

11.3 Test Results

Non Beamforming

Channel	Frequency (MHz)	Power Spectral Density (dBm/3 kHz)			Limit (dBm/3 kHz)	Result
		Chain 0	Chain 1	Total		
B mode						
Low	2412	-10.52	-8.43	-6.34	7.41	PASS
Mid	2437	-9.94	-8.27	-6.01		PASS
High	2462	-10.14	-8.59	-6.29		PASS
G mode						
Low	2412	-11.16	-7.18	-5.72	7.41	PASS
Mid	2437	-9.26	-7.59	-5.33		PASS
High	2462	-9.50	-9.60	-6.54		PASS
N20 mode						
Low	2412	-10.50	-7.15	-5.50	7.41	PASS
Mid	2437	-8.63	-7.55	-5.05		PASS
High	2462	-8.92	-8.56	-5.73		PASS
N40 mode						
Low	2422	-10.58	-6.74	-5.24	7.41	PASS
Mid	2437	-9.59	-6.57	-4.81		PASS
High	2452	-9.78	-9.46	-6.61		PASS
AX20 mode						
Low	2412	-11.12	-7.33	-5.81	7.41	PASS
Mid	2437	-9.23	-7.97	-5.54		PASS
High	2462	-8.78	-9.69	-6.20		PASS
AX40 mode						
Low	2422	-10.26	-6.80	-5.18	7.41	PASS
Mid	2437	-9.39	-6.65	-4.80		PASS
High	2452	-9.67	-9.79	-6.72		PASS

Beamforming

Channel	Frequency (MHz)	Power Spectral Density (dBm/3 kHz)			Limit (dBm/3 kHz)	Result
		Chain 0	Chain 1	Total		
N20 mode						
Low	2412	-13.08	-11.64	-9.29	7.41	PASS
Mid	2437	-12.90	-10.70	-8.65		PASS
High	2462	-13.37	-11.29	-9.20		PASS
N40 mode						
Low	2422	-16.43	-14.74	-12.49	7.41	PASS
Mid	2437	-16.06	-13.23	-11.41		PASS
High	2452	-16.73	-13.94	-12.10		PASS
AX20 mode						
Low	2412	-10.79	-10.06	-7.40	7.41	PASS
Mid	2437	-11.73	-9.06	-7.18		PASS
High	2462	-11.40	-9.72	-7.47		PASS
AX40 mode						
Low	2422	-13.86	-12.38	-10.05	7.41	PASS
Mid	2437	-13.32	-12.14	-9.68		PASS
High	2452	-13.93	-12.08	-9.90		PASS

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

According to FCC KDB 662911 D01 Multiple Transmitter Output v02r01, For Power Spectral Density measurements on the devices:

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$ dB.

So:

Directional gain = $G_{\text{ANT}} + \text{Array Gain} = 6.59$ dBi

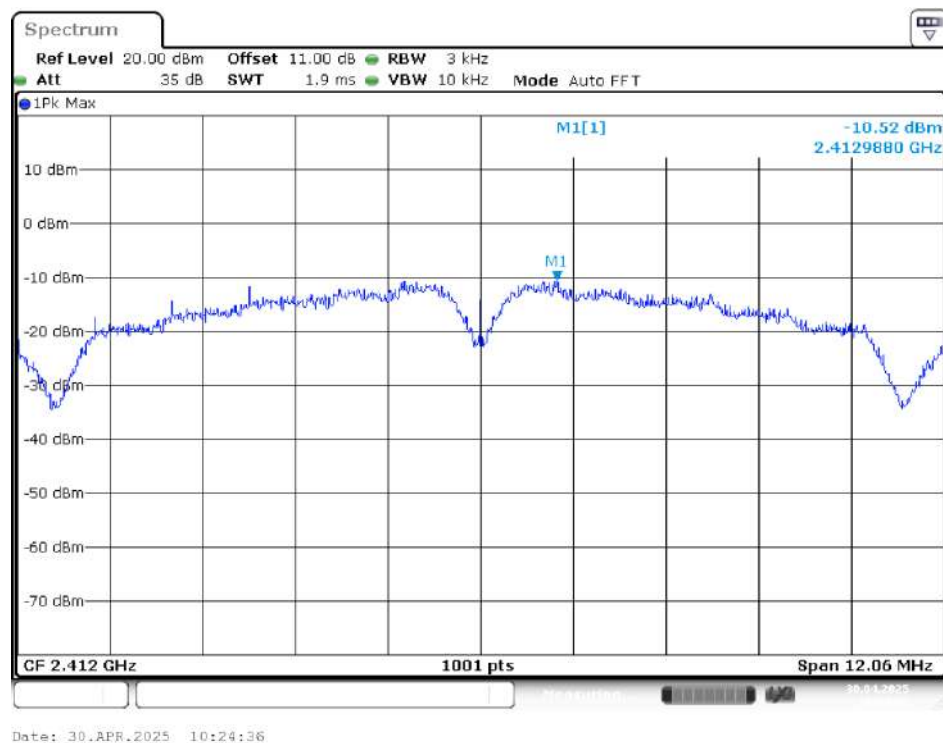
The Power Spectral Density Limits was reduce 0.59 dB.

Please refer to the following plots

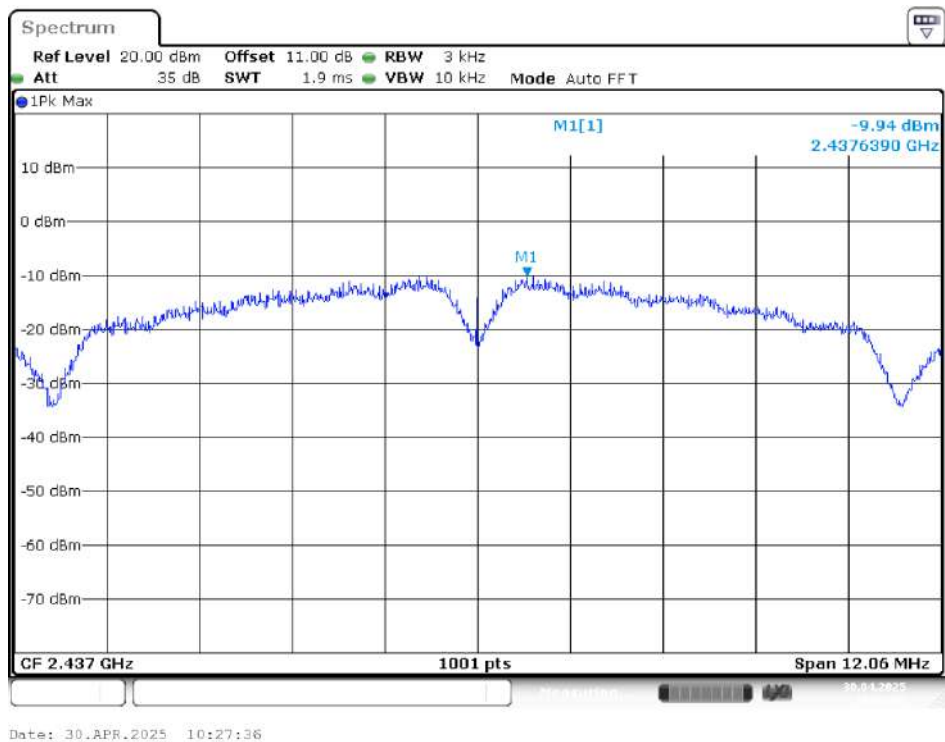
Non Beamforming

Chain 0

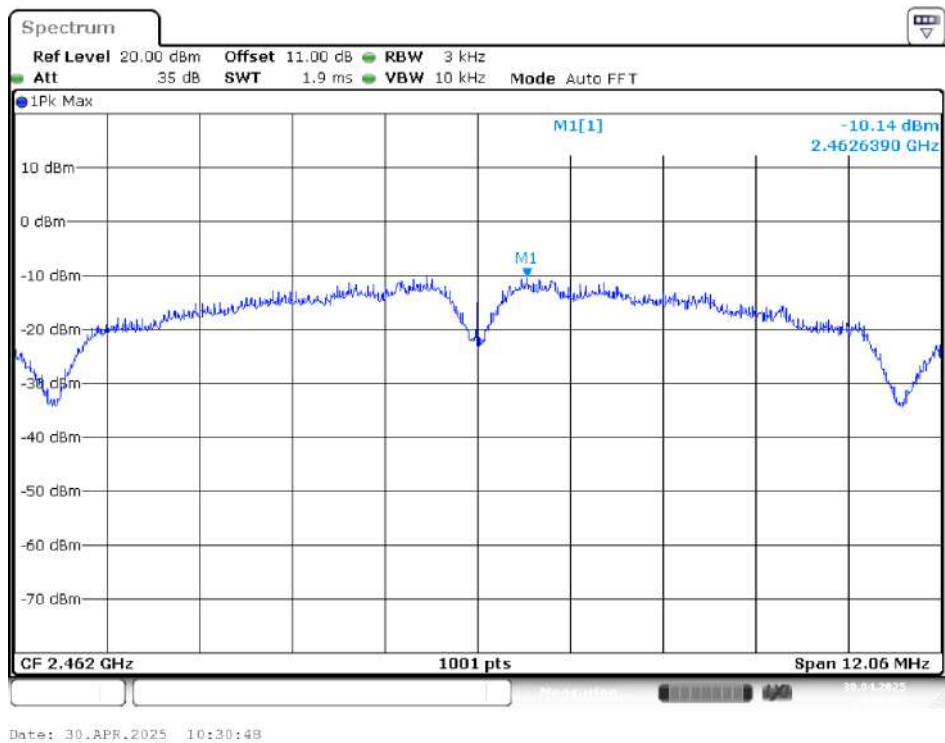
B Mode Low Channel



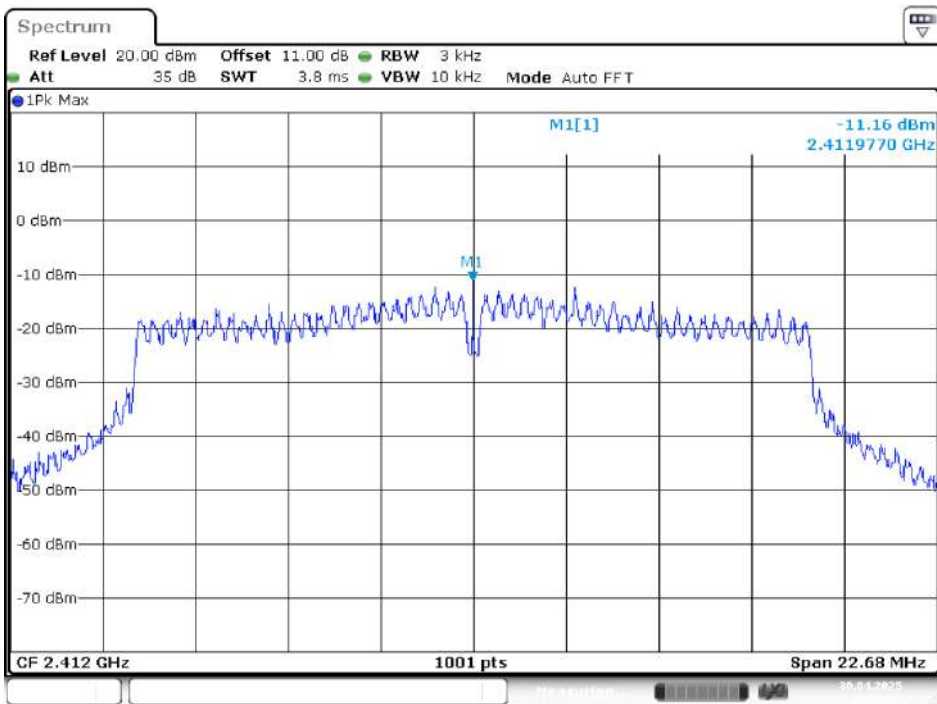
Middle Channel



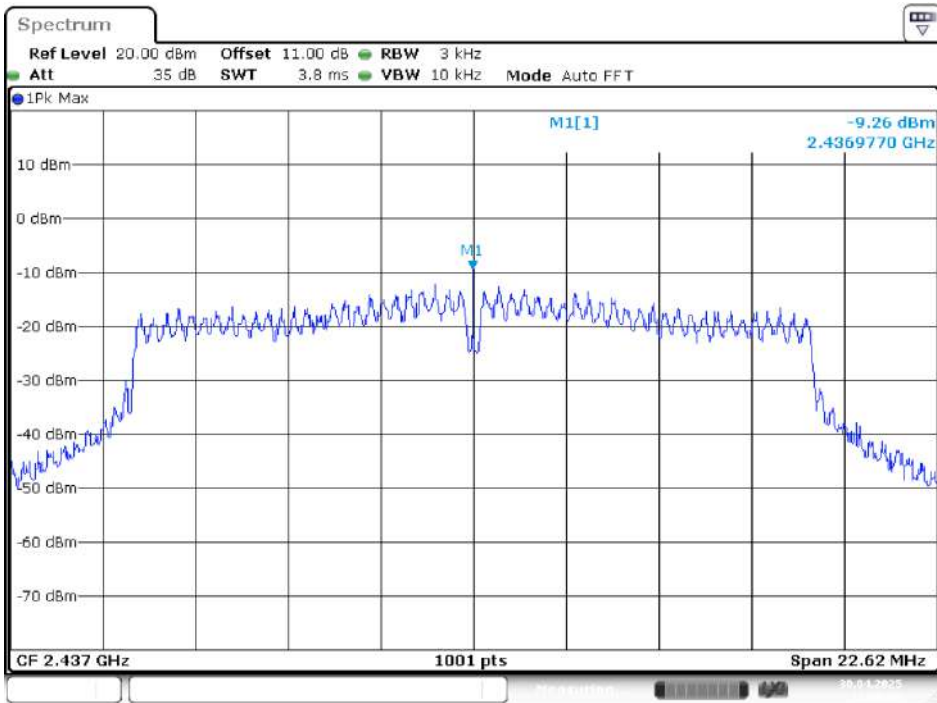
High Channel



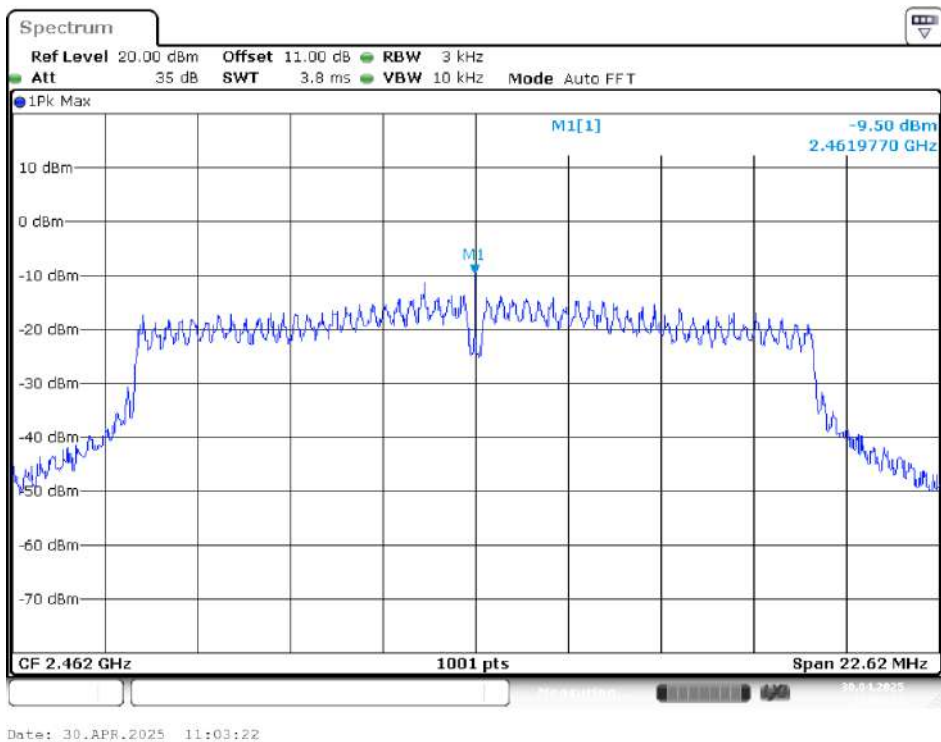
G Mode
Low Channel



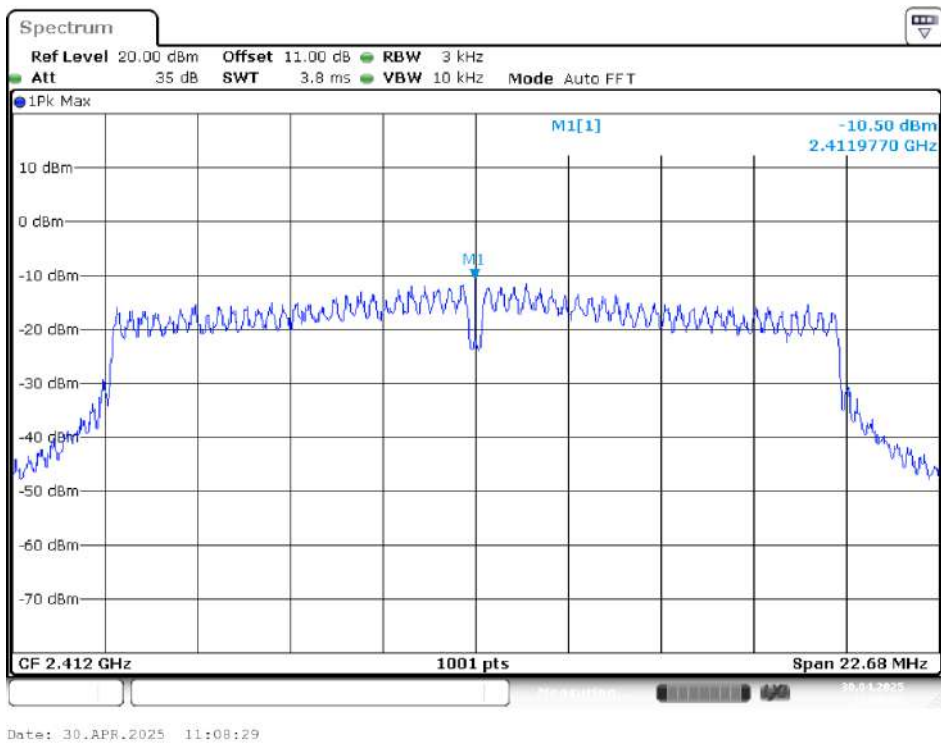
Middle Channel



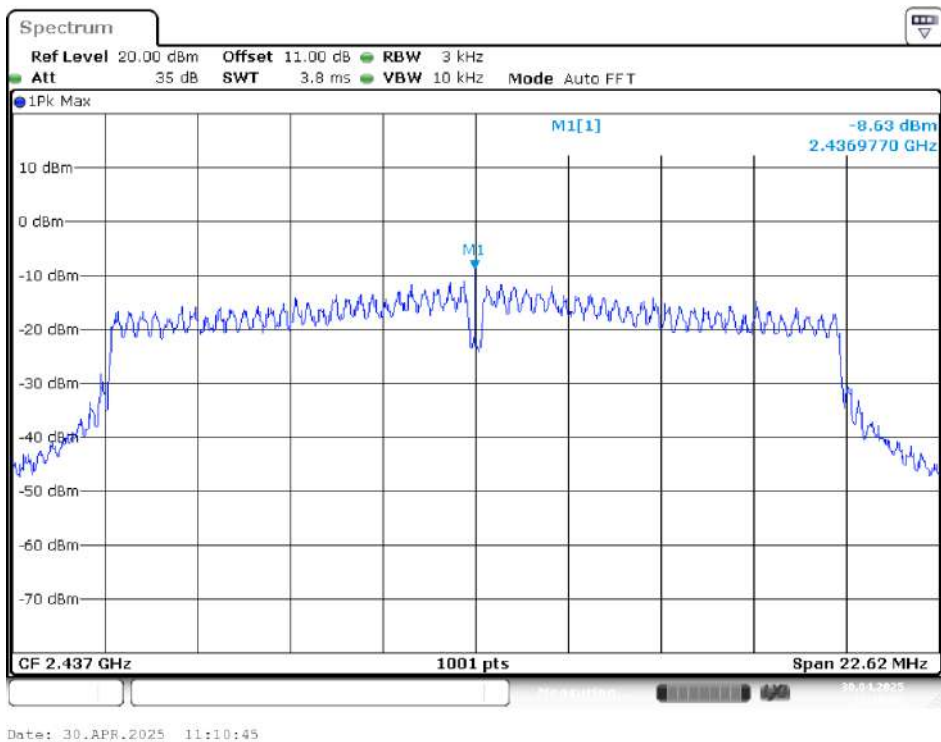
High Channel



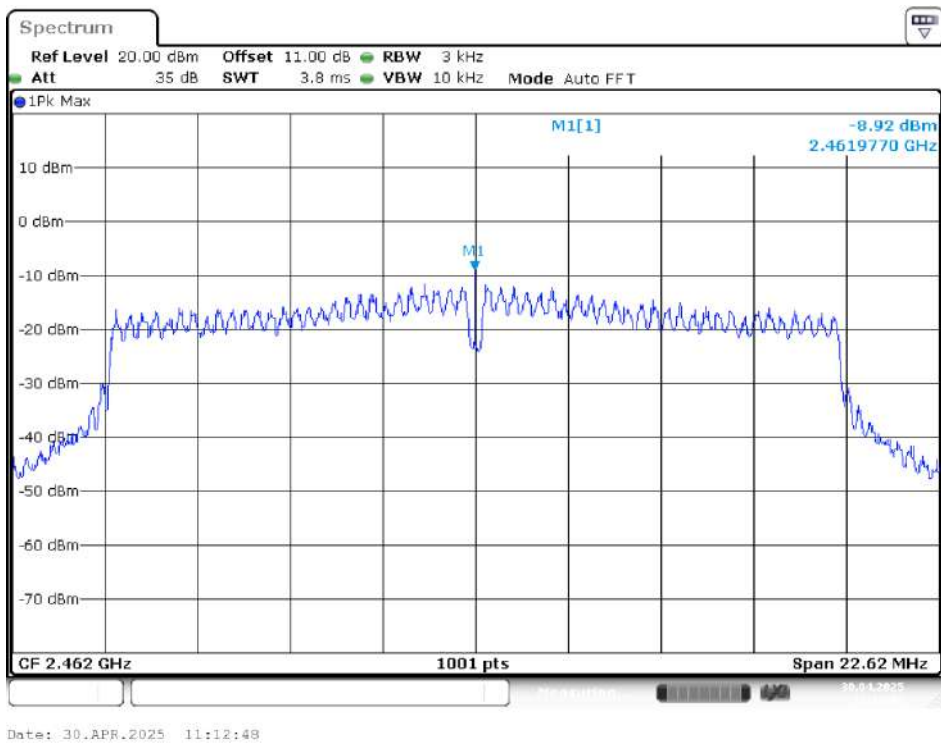
N20 Mode
Low Channel



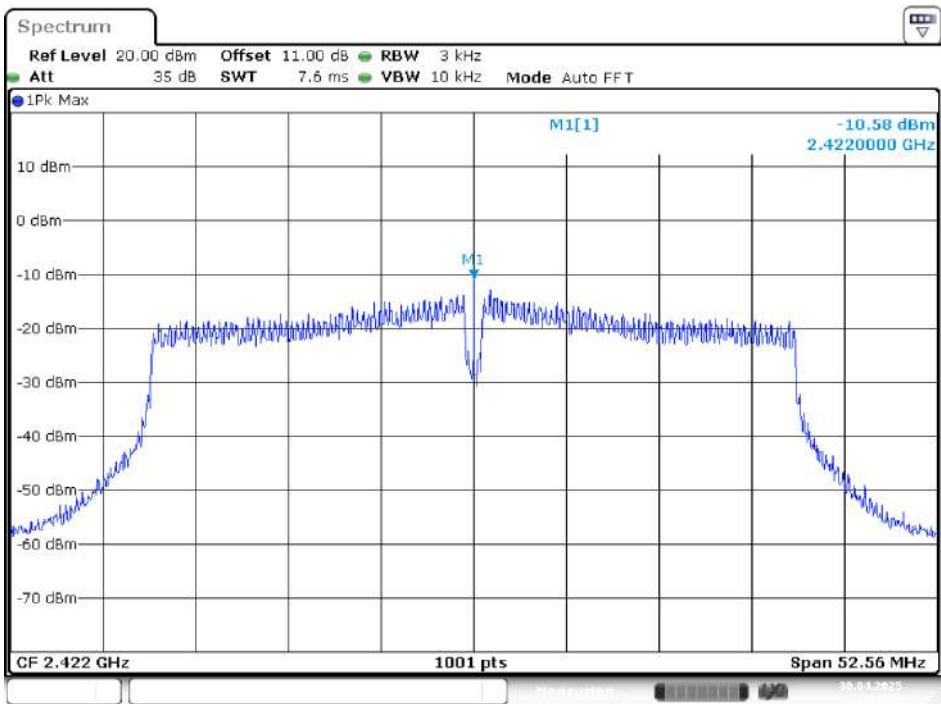
Middle Channel



High Channel

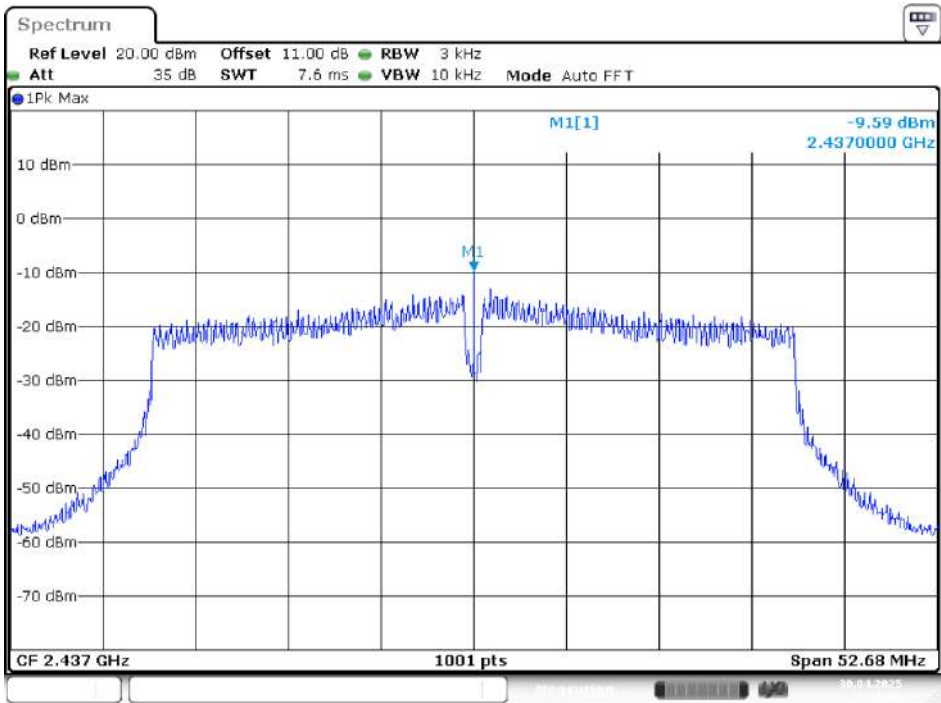


N40 Mode
Low Channel



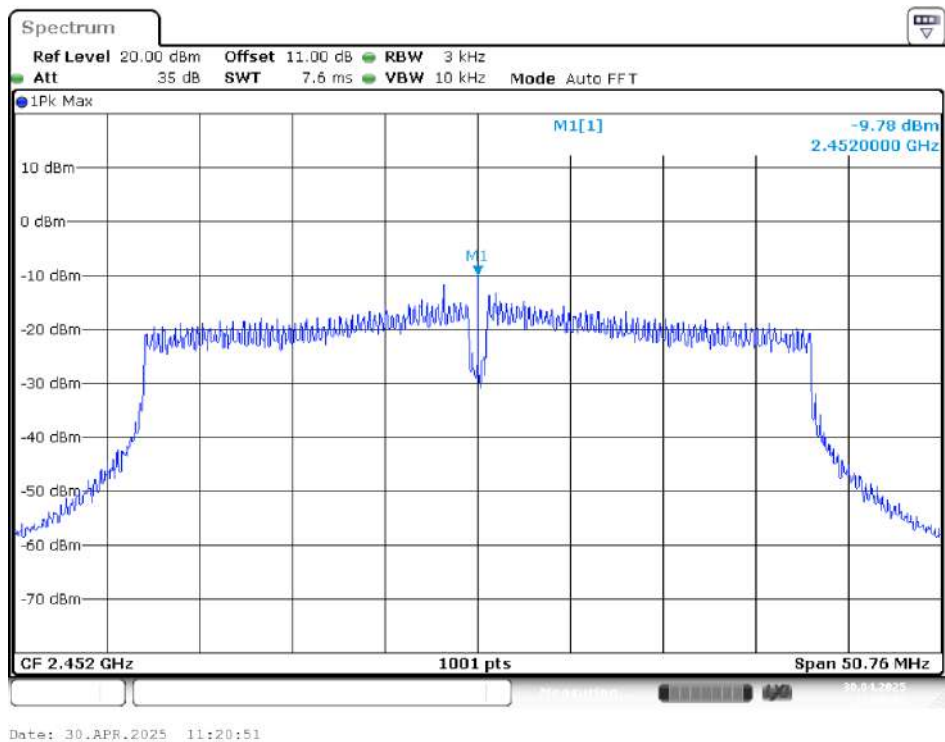
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Middle Channel

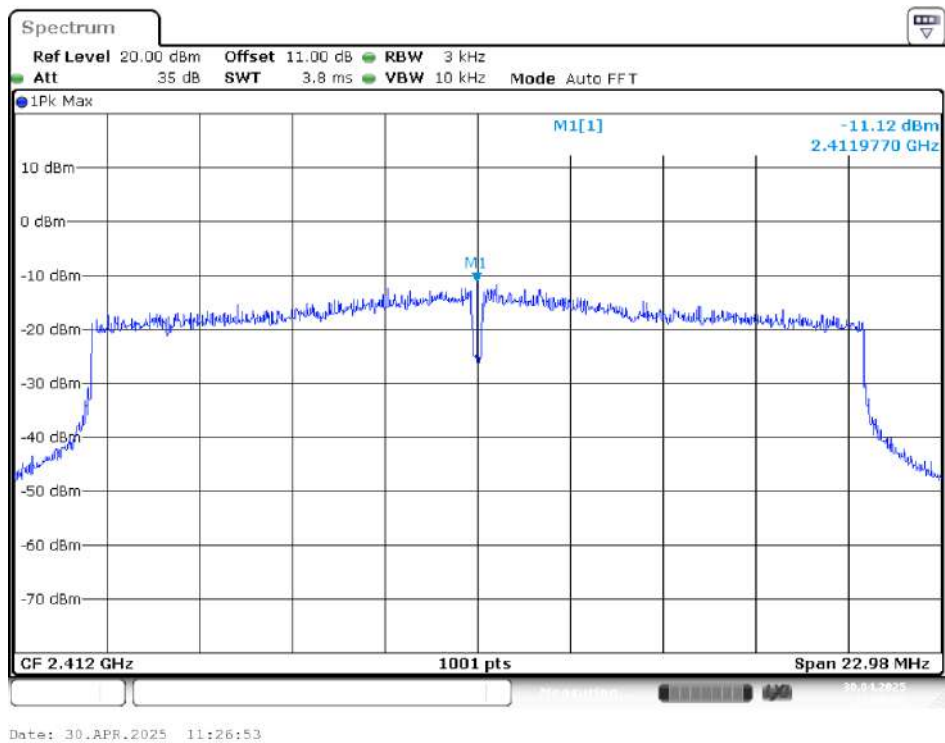


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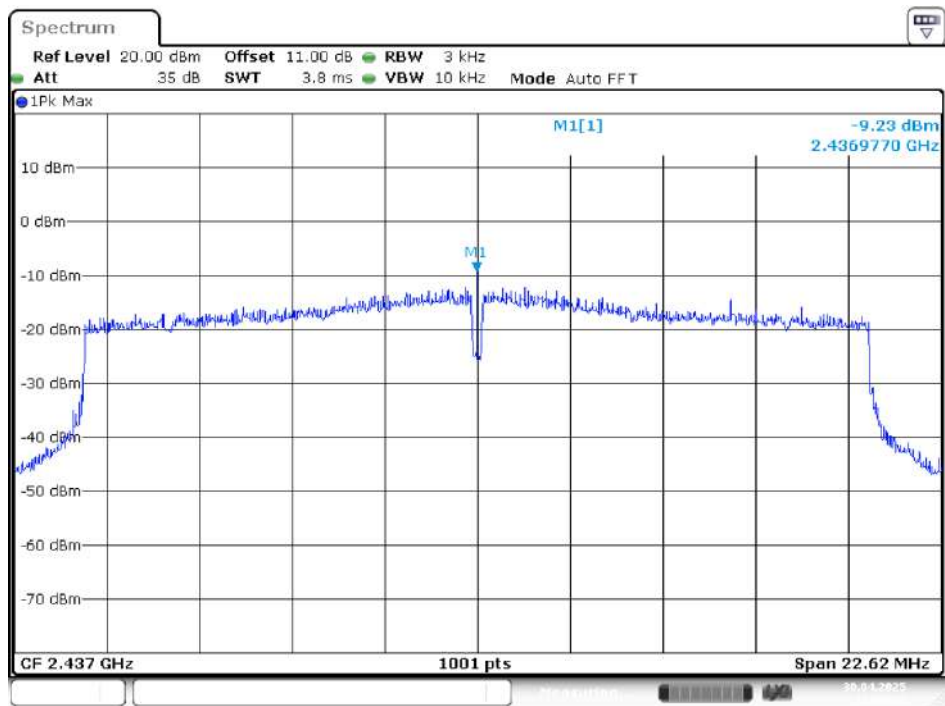
High Channel



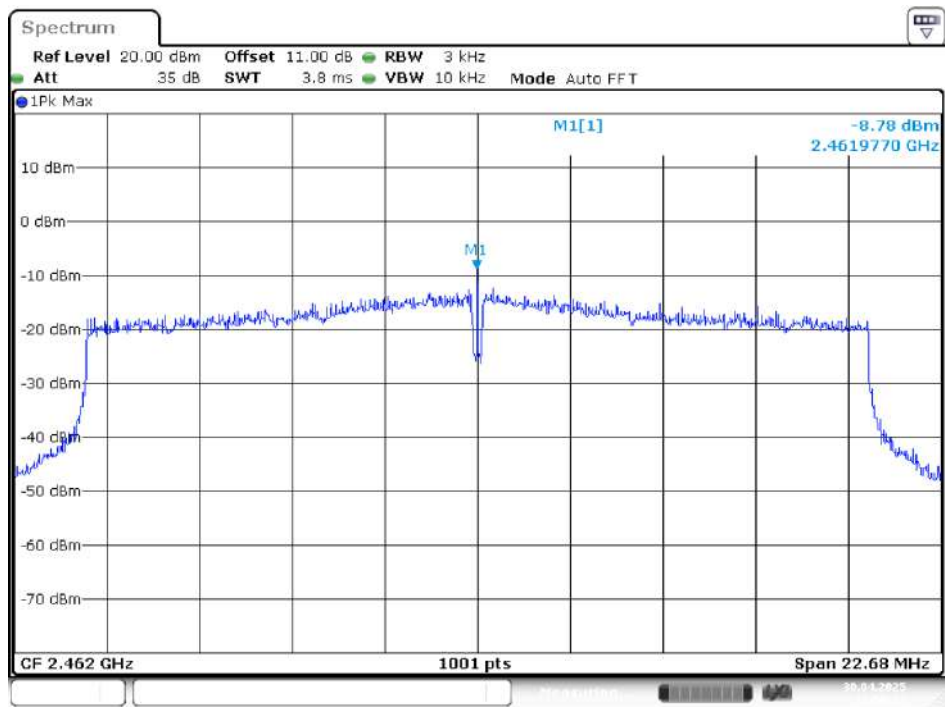
AX20 Mode
Low Channel



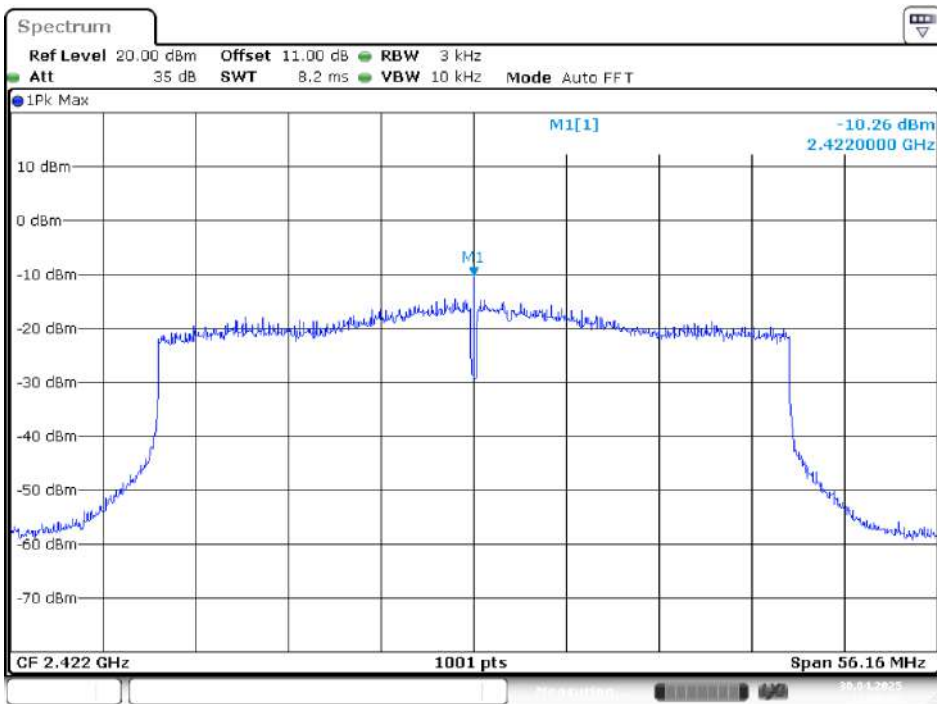
Middle Channel



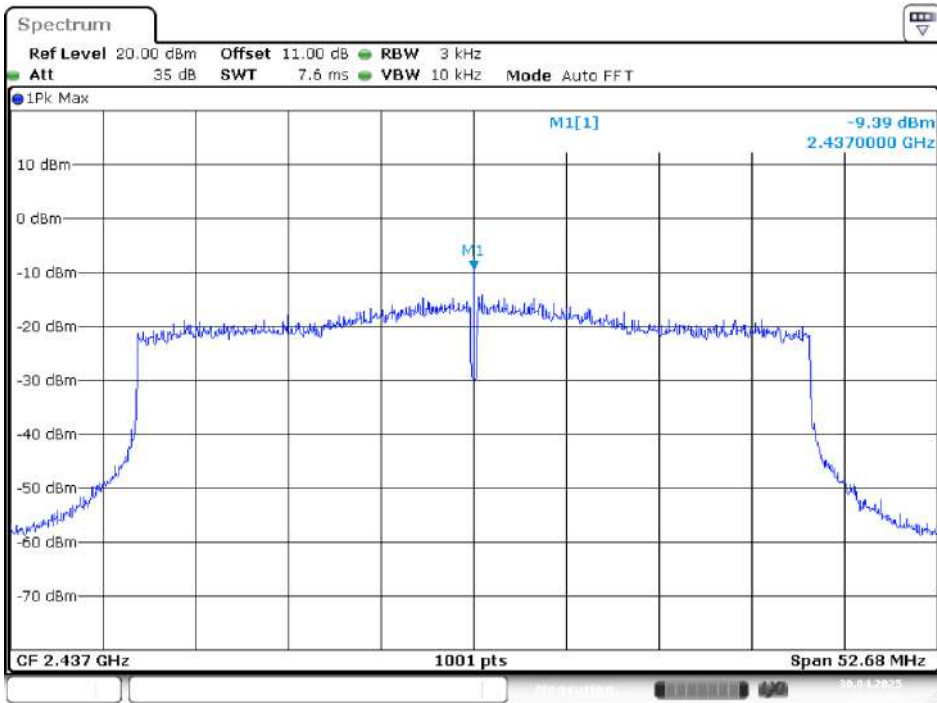
High Channel



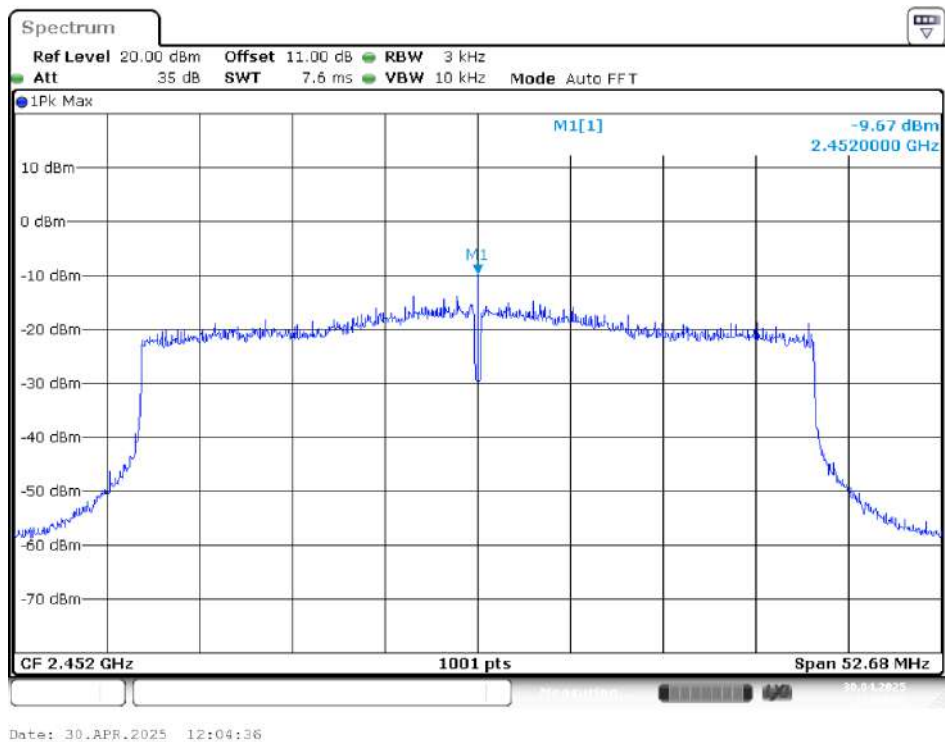
AX40 Mode
Low Channel



Middle Channel

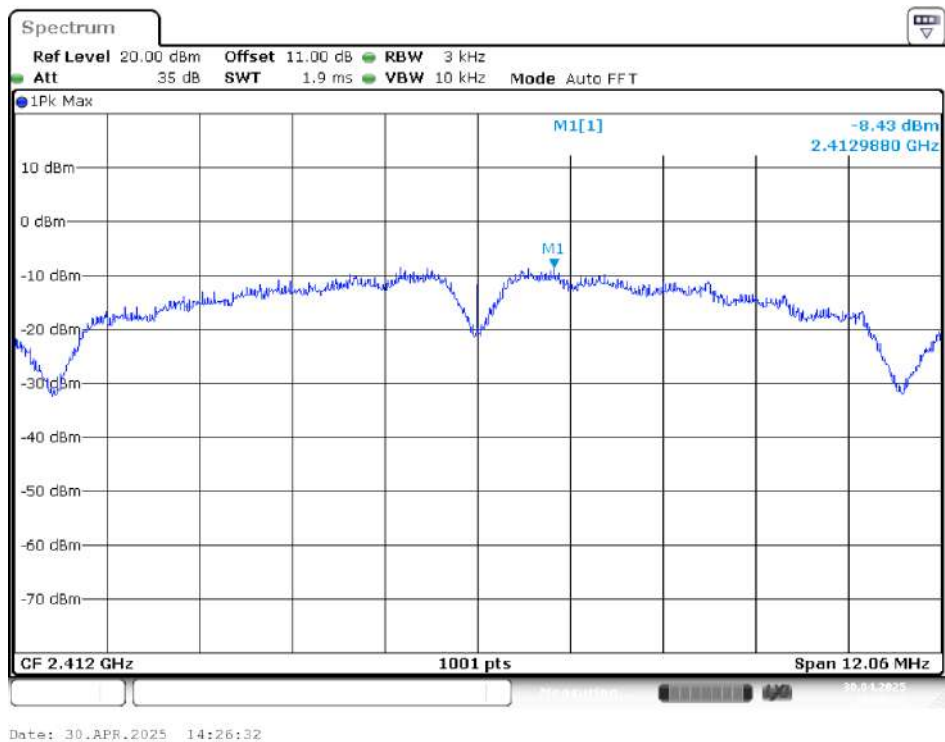


High Channel

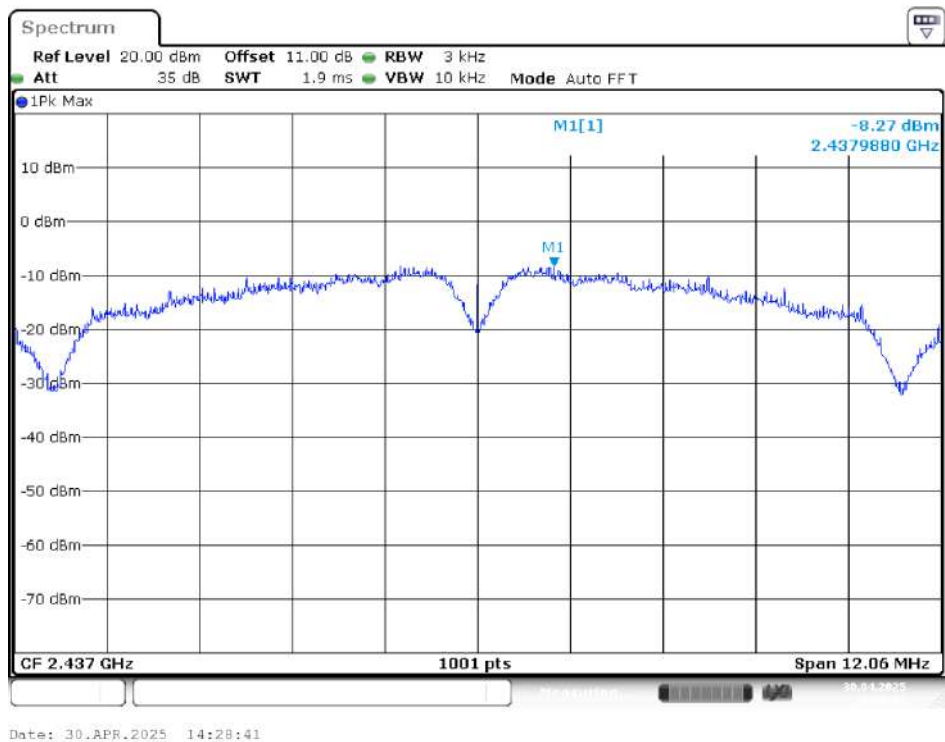


Chain 1

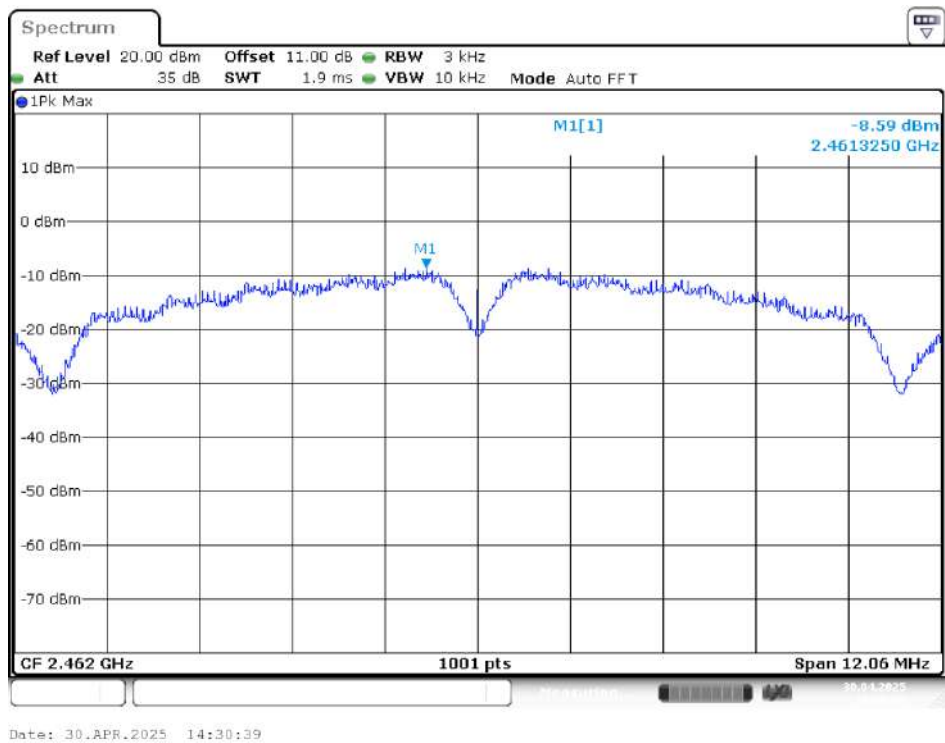
B Mode
Low Channel



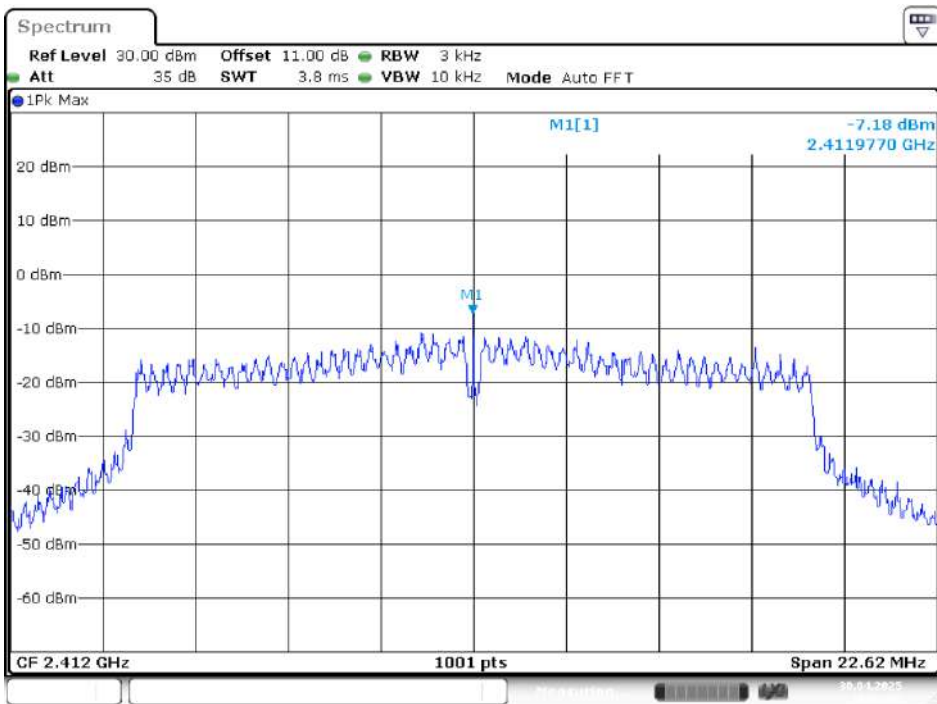
Middle Channel



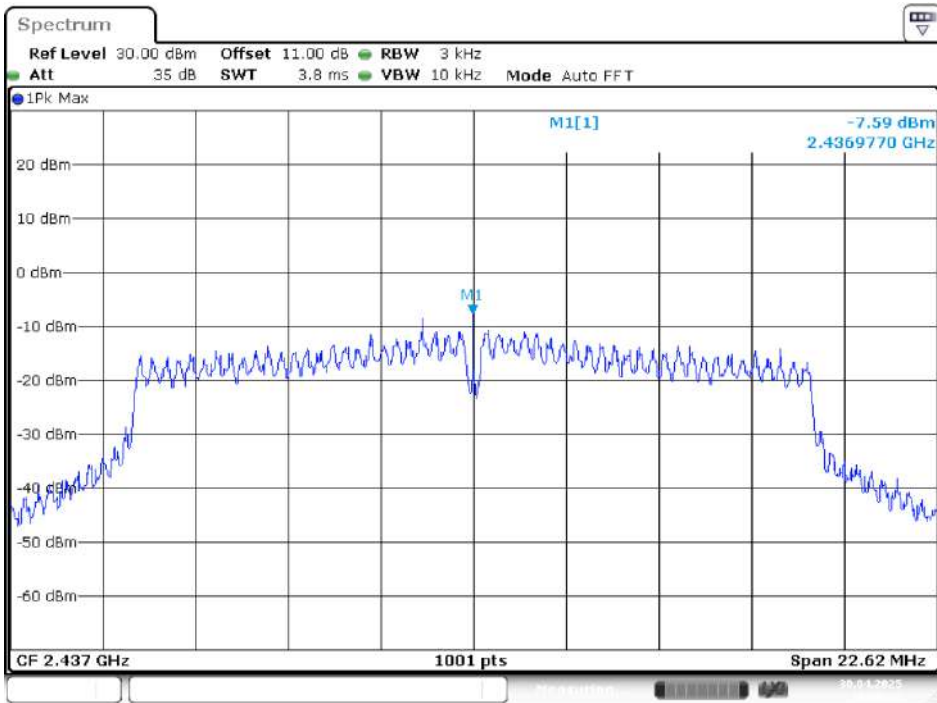
High Channel



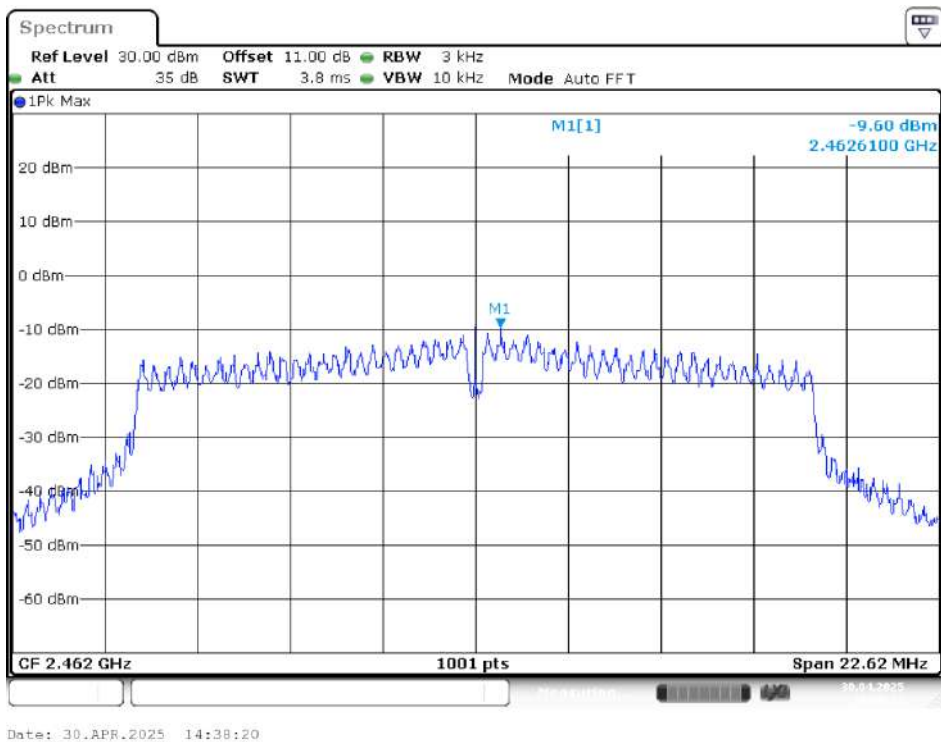
G Mode
Low Channel



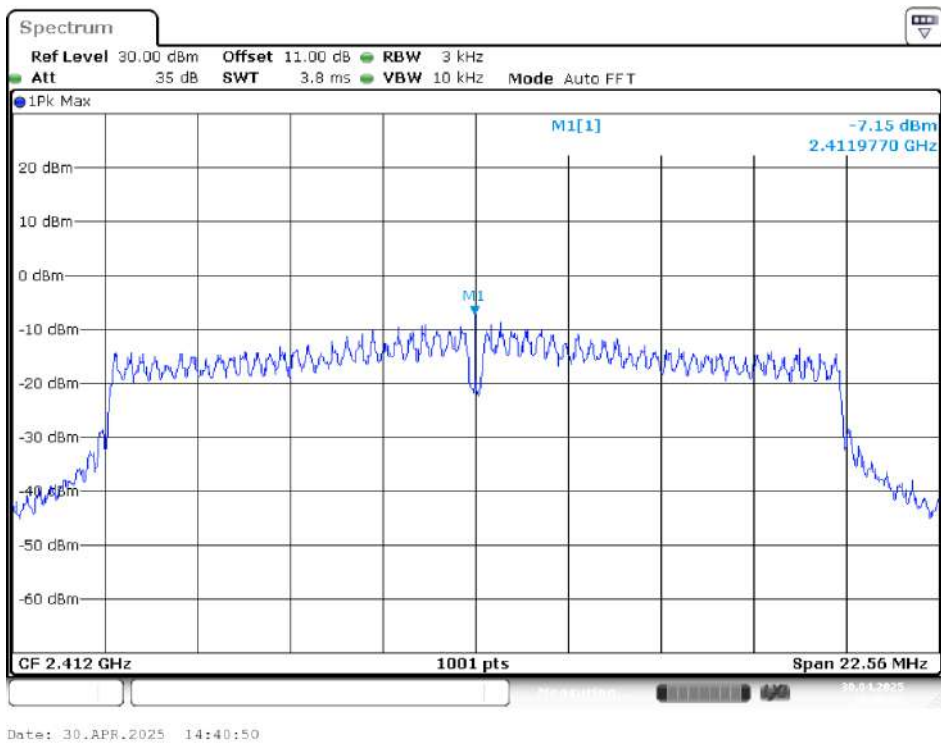
Middle Channel



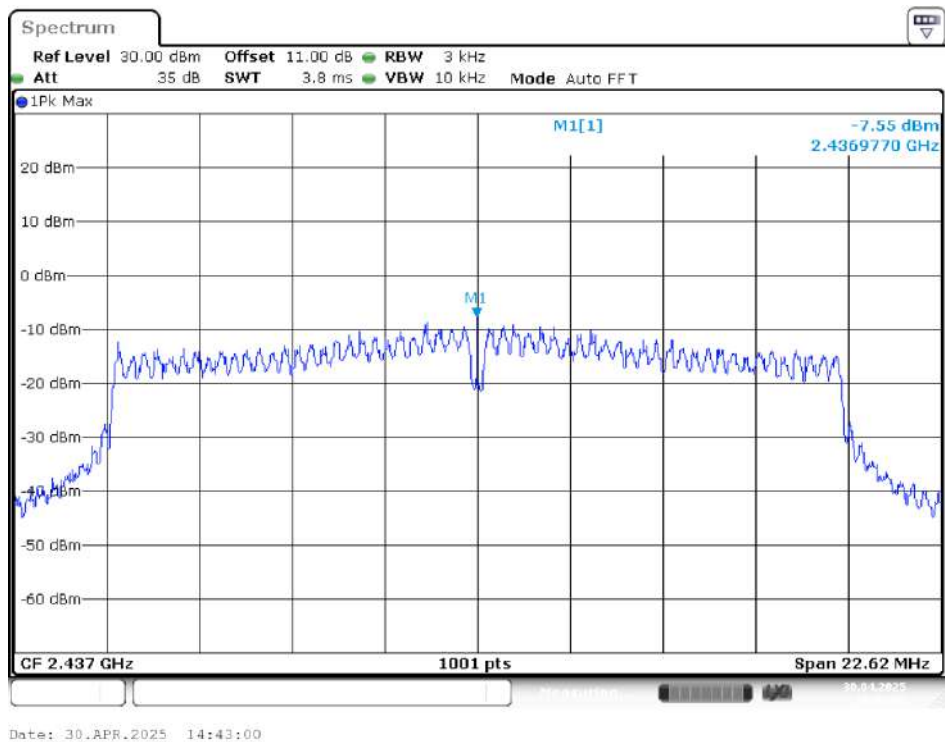
High Channel



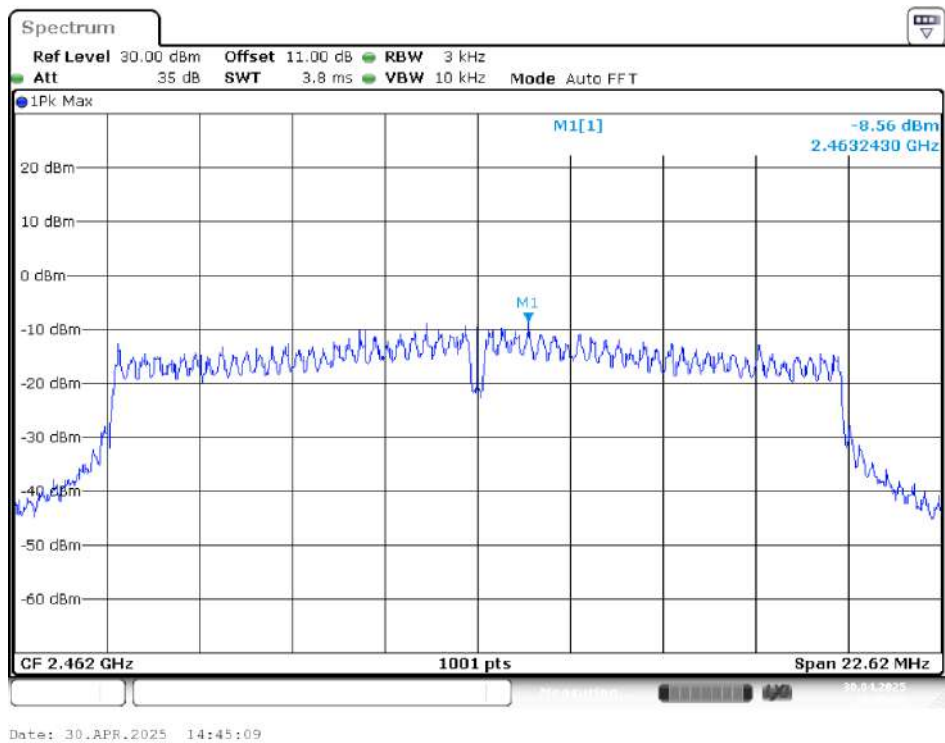
N20 Mode
Low Channel



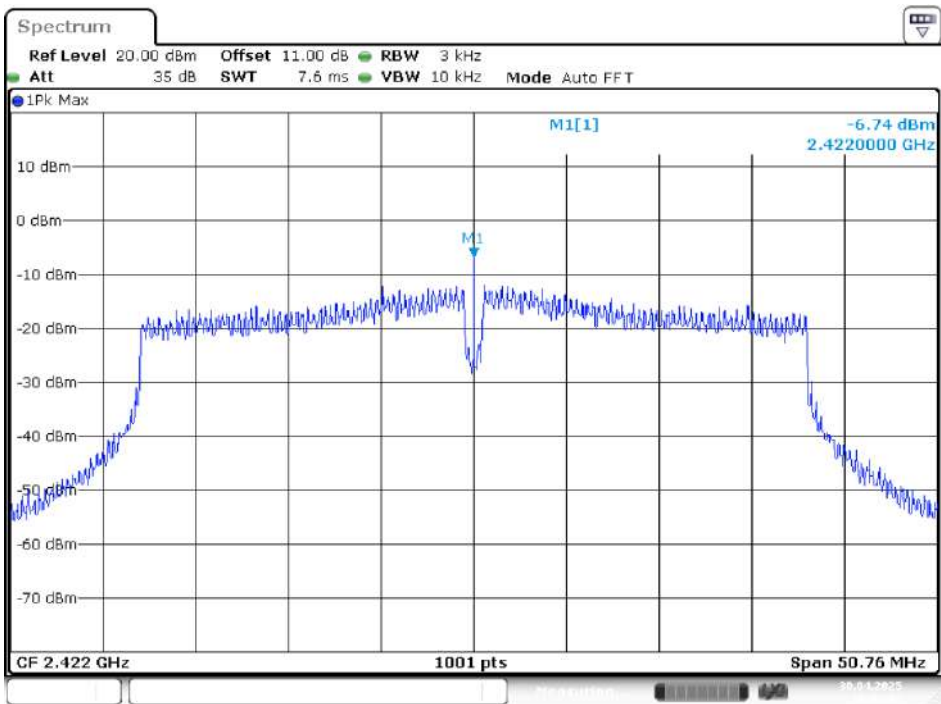
Middle Channel



High Channel

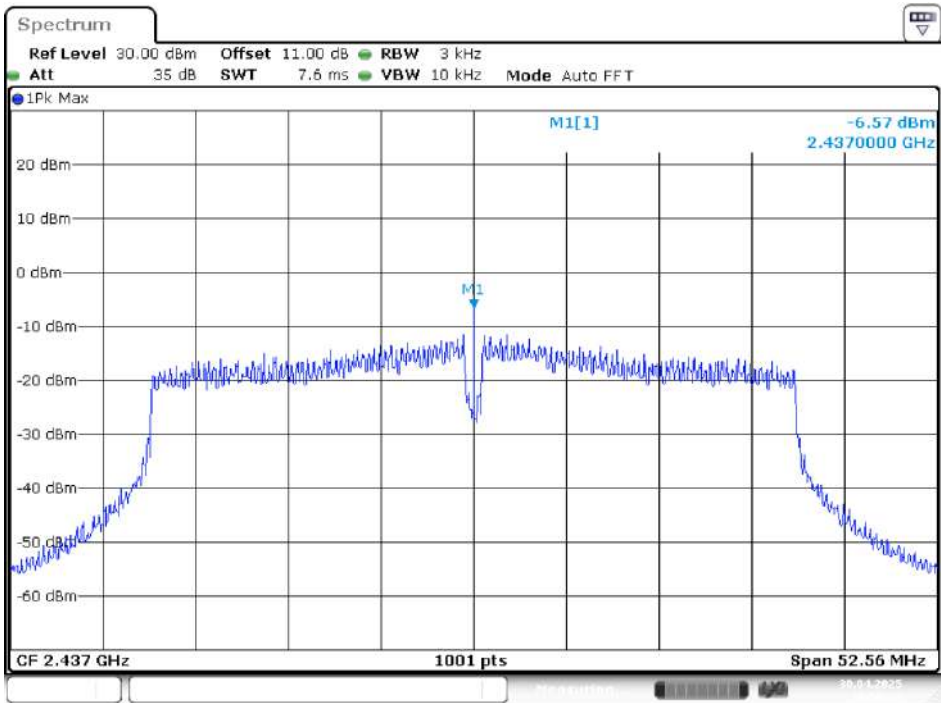


N40 Mode
Low Channel



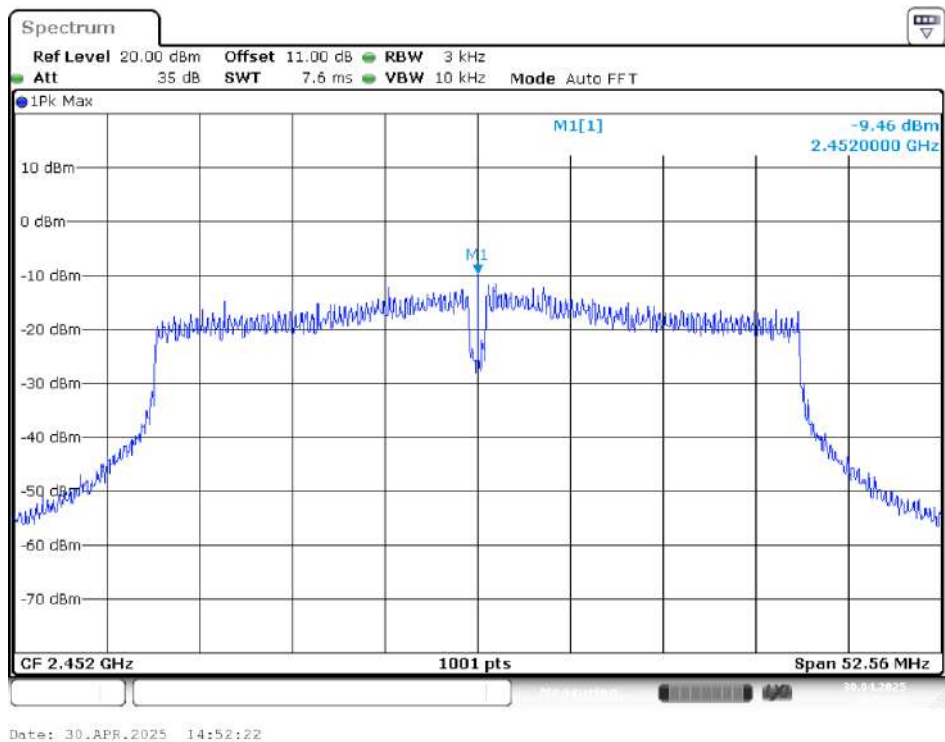
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Middle Channel

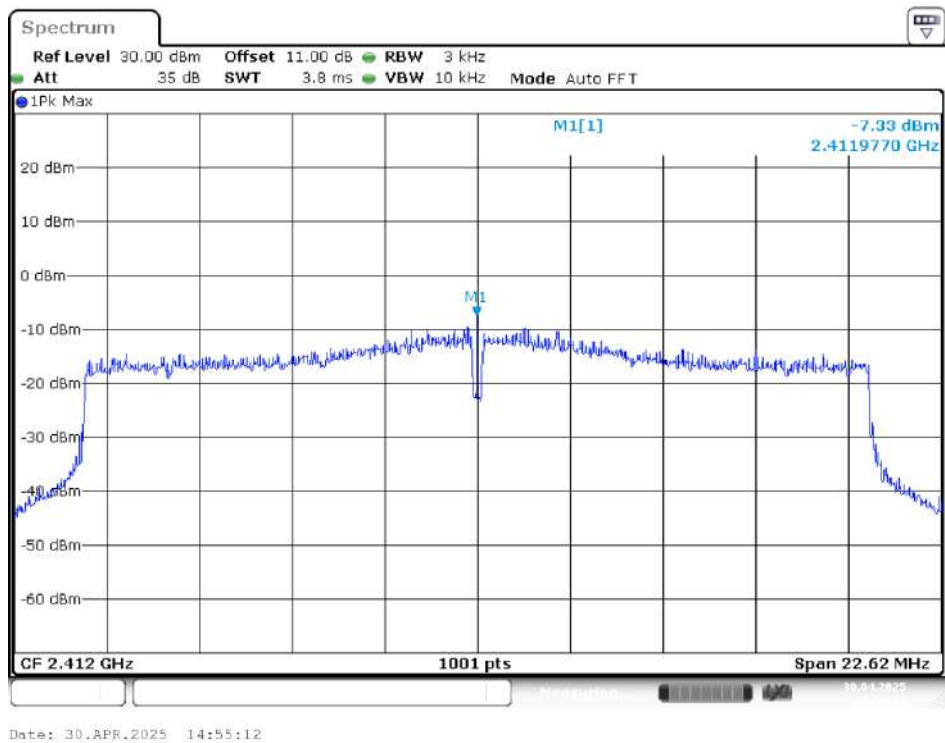


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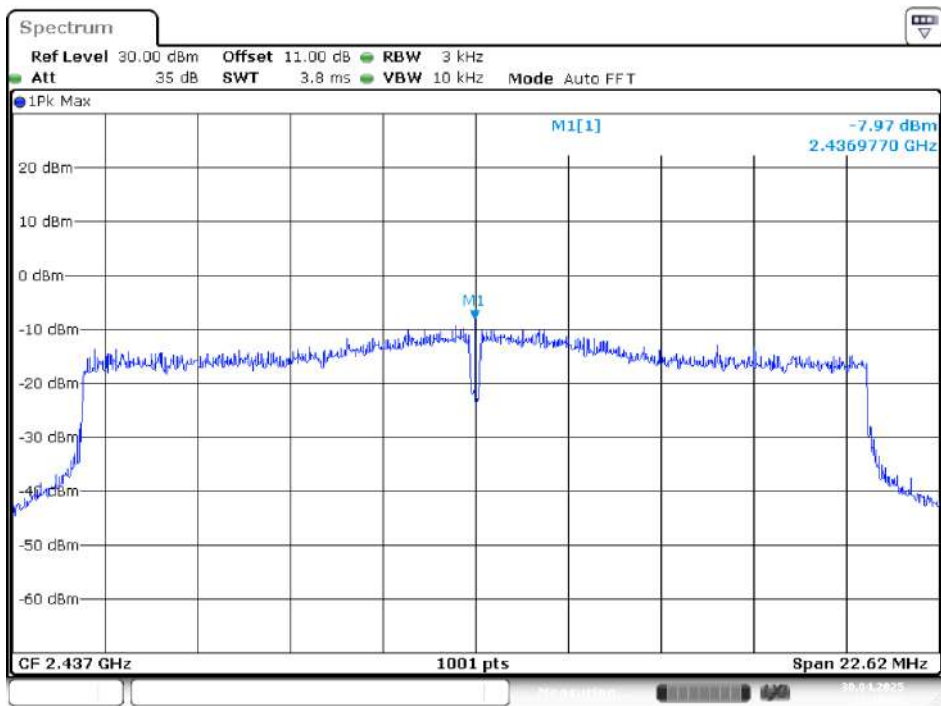
High Channel



AX20 Mode
Low Channel

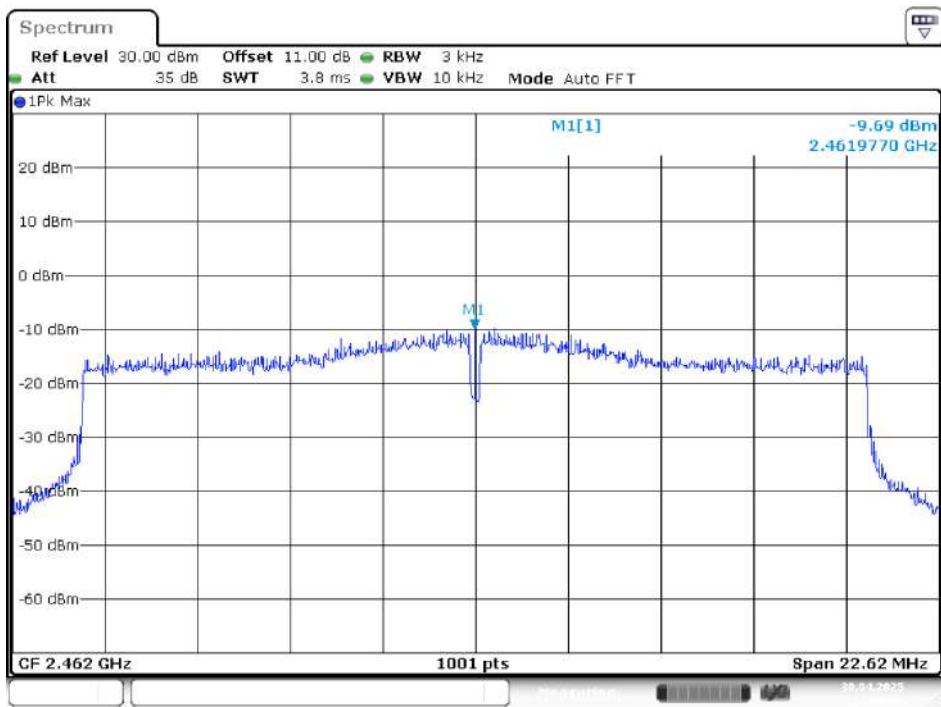


Middle Channel



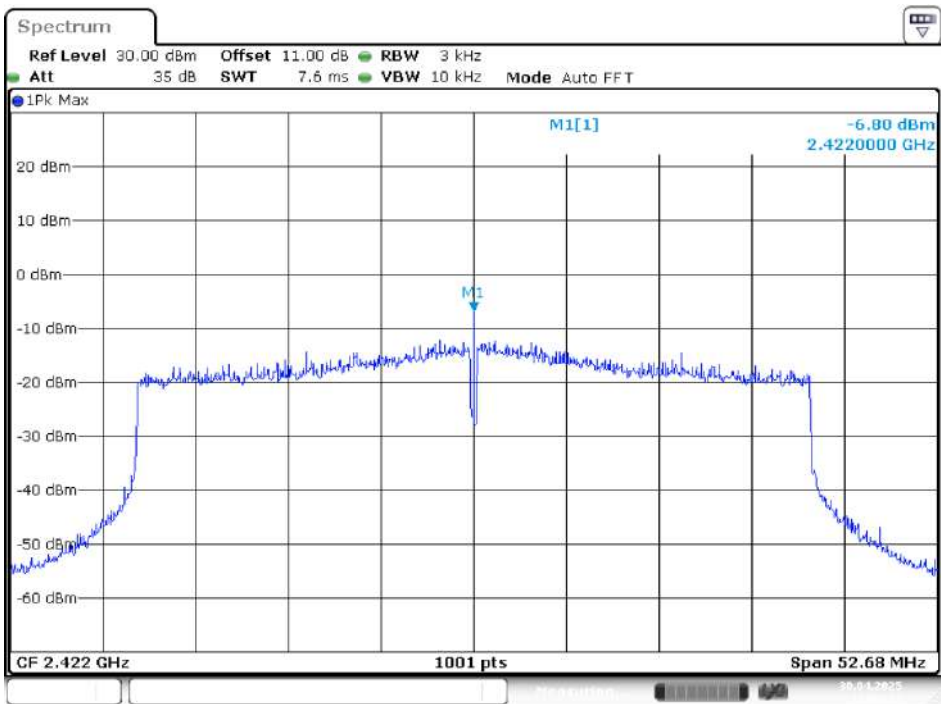
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High Channel

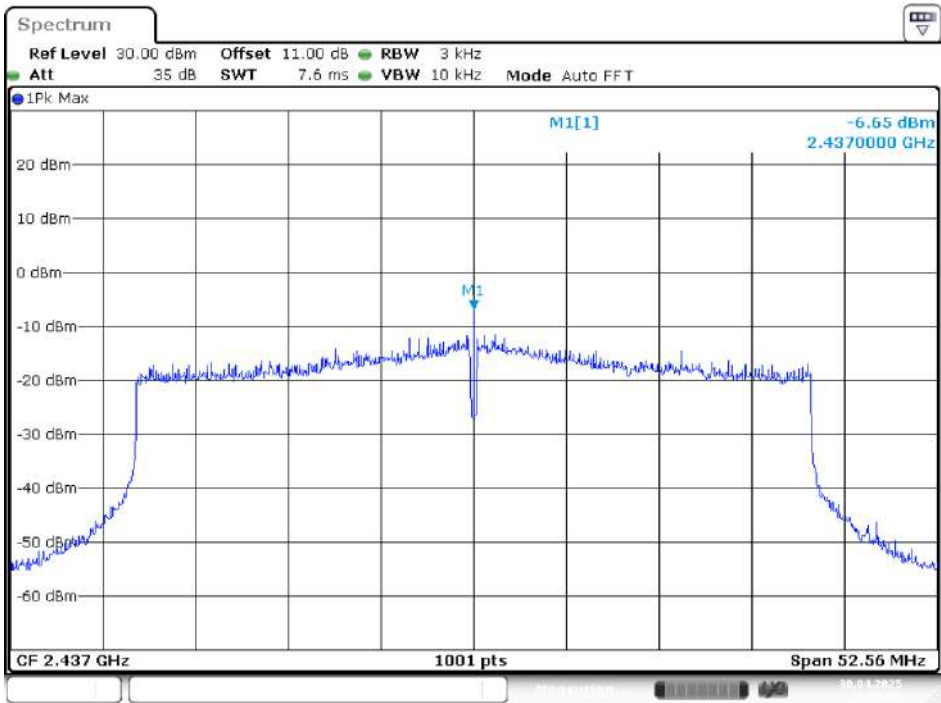


Date: 30.APR.2025 15:20:46

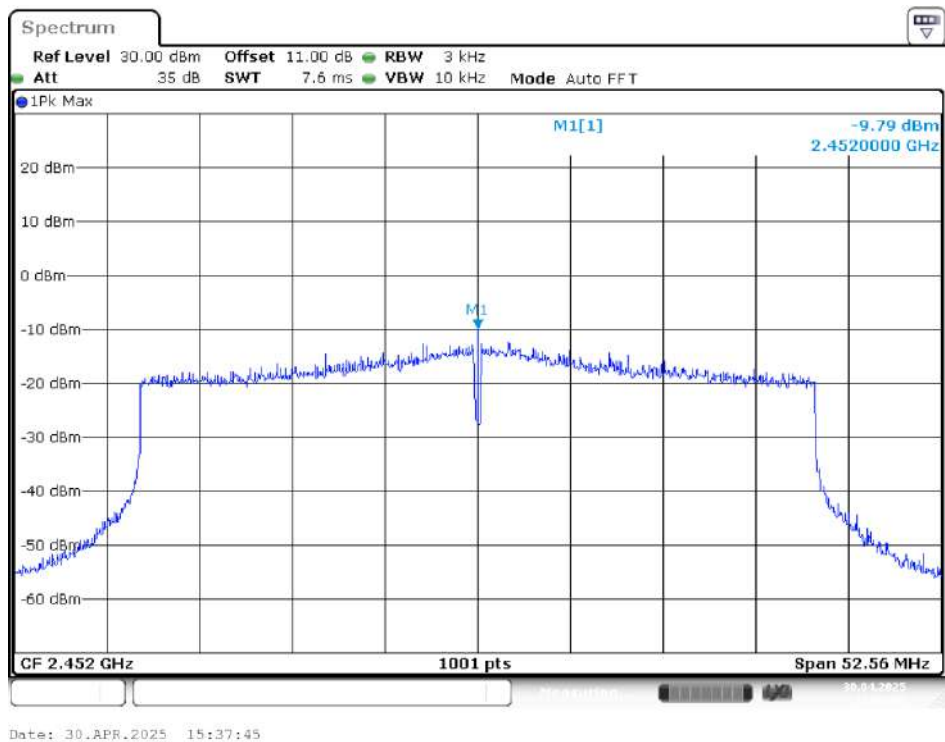
AX40 Mode
Low Channel



Middle Channel



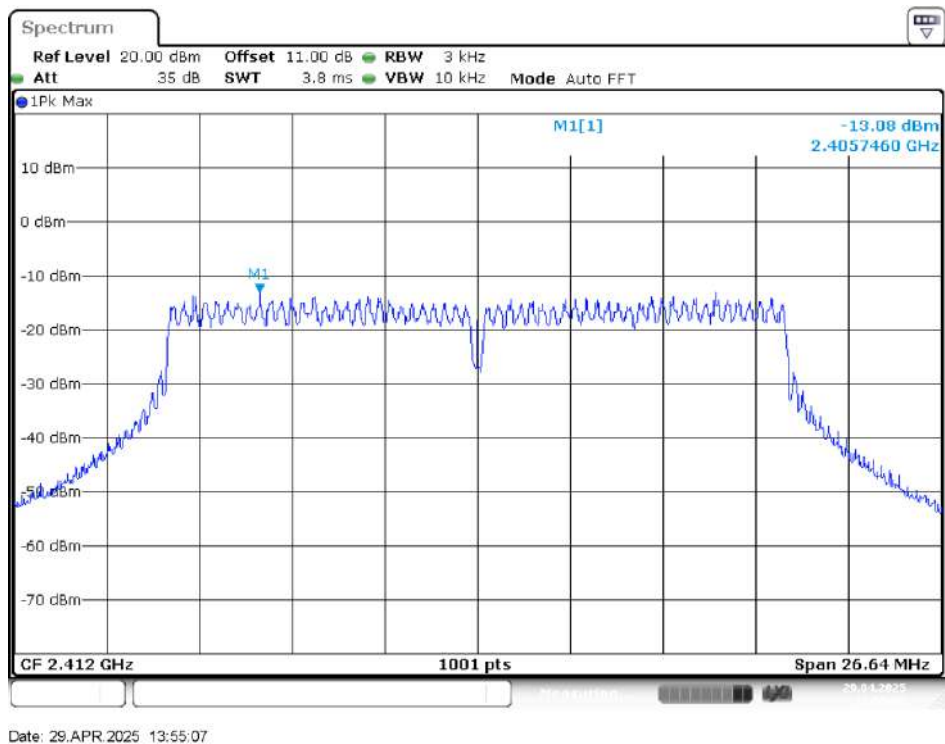
High Channel



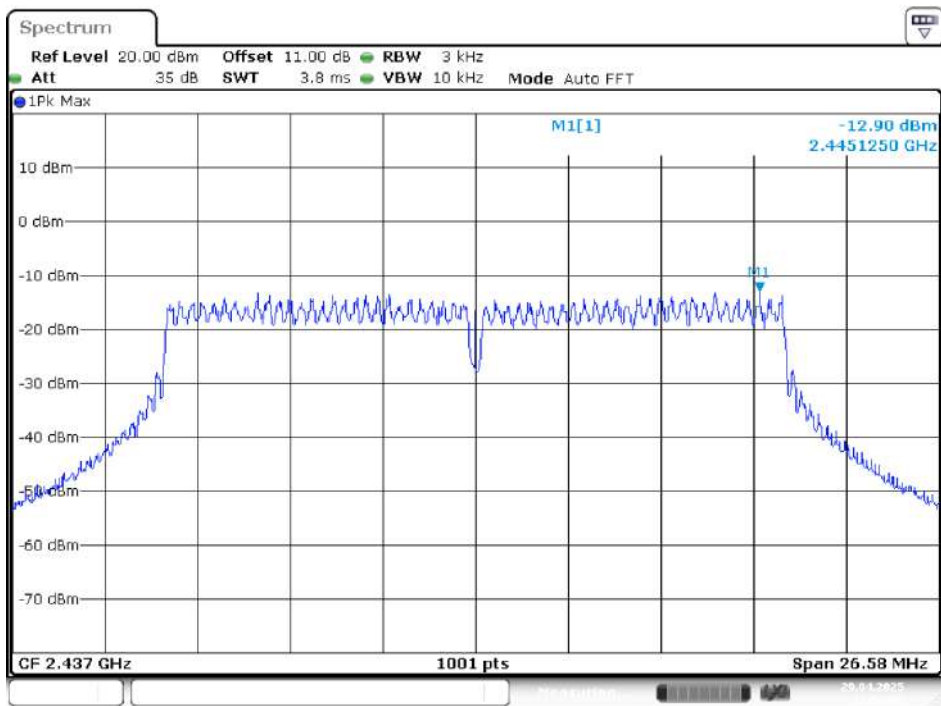
Beamforming

Chain 0

N20 Mode
Low Channel

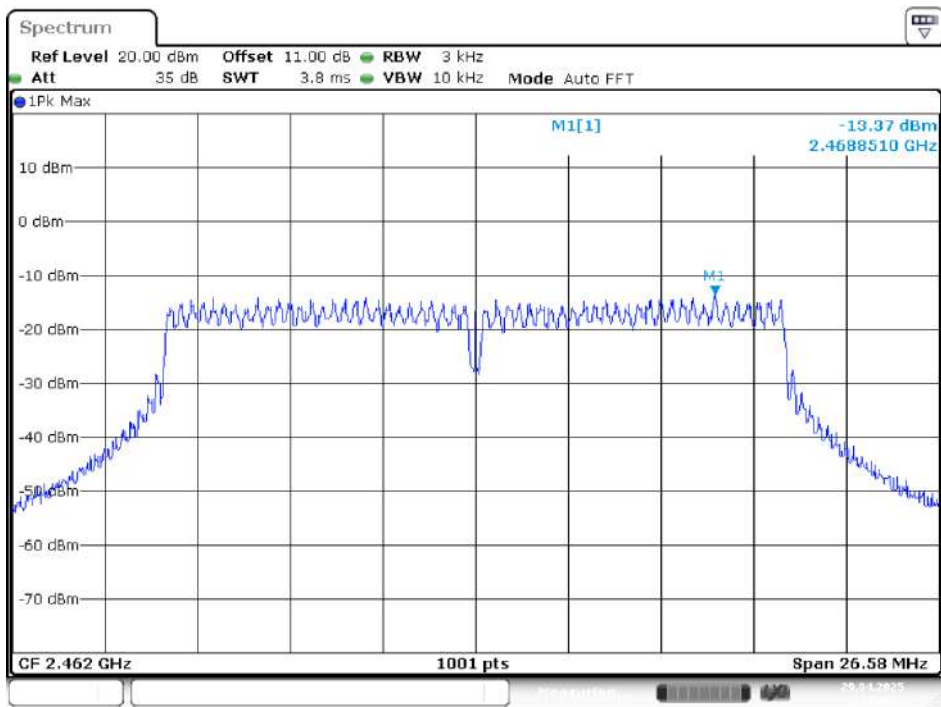


Middle Channel



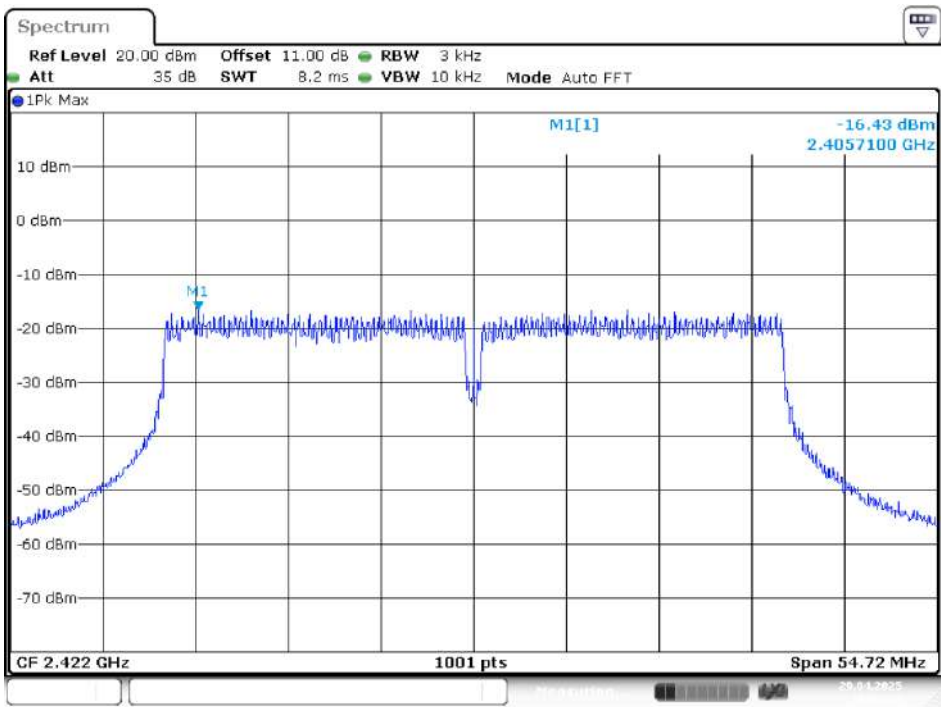
Date: 29,APR.2025 13:57:25

High Channel



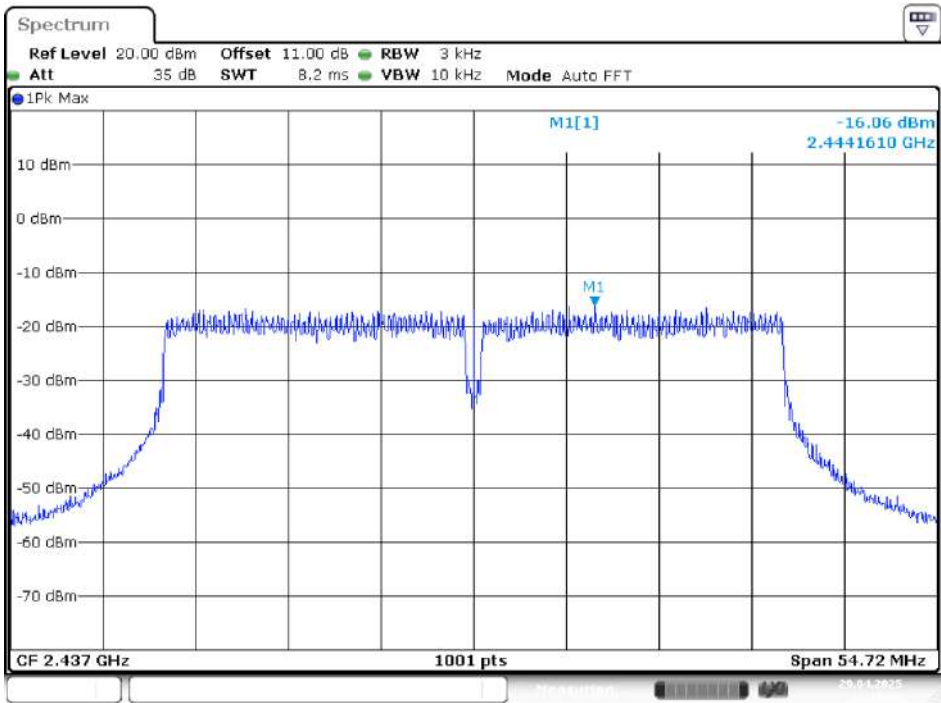
Date: 29,APR.2025 13:59:22

N40 Mode
Low Channel



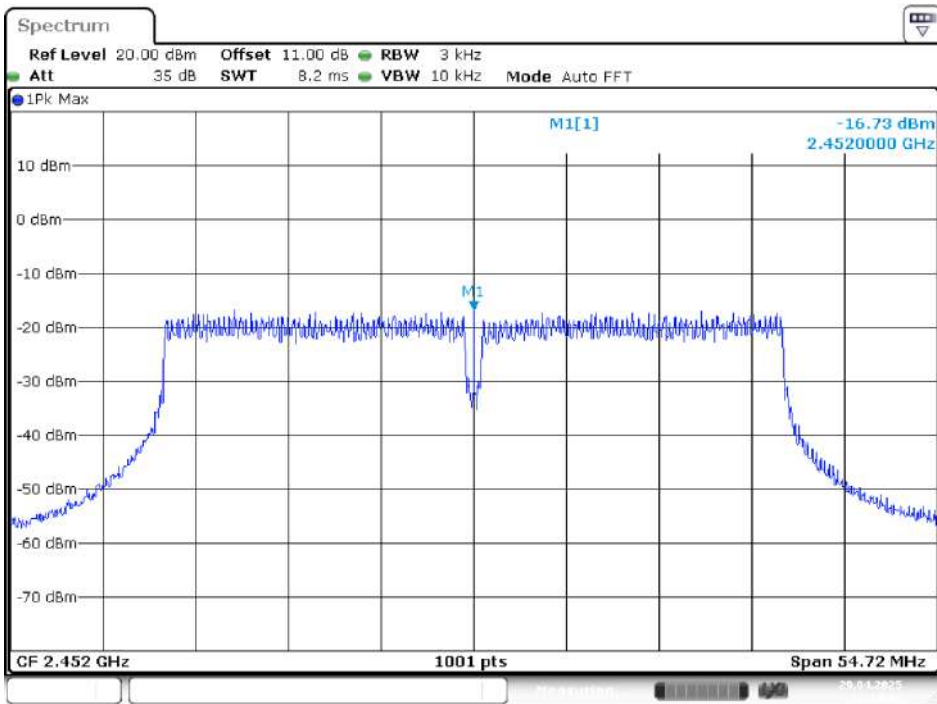
Date: 29,APR.2025 14:07:34

Middle Channel



Date: 29,APR.2025 15:10:40

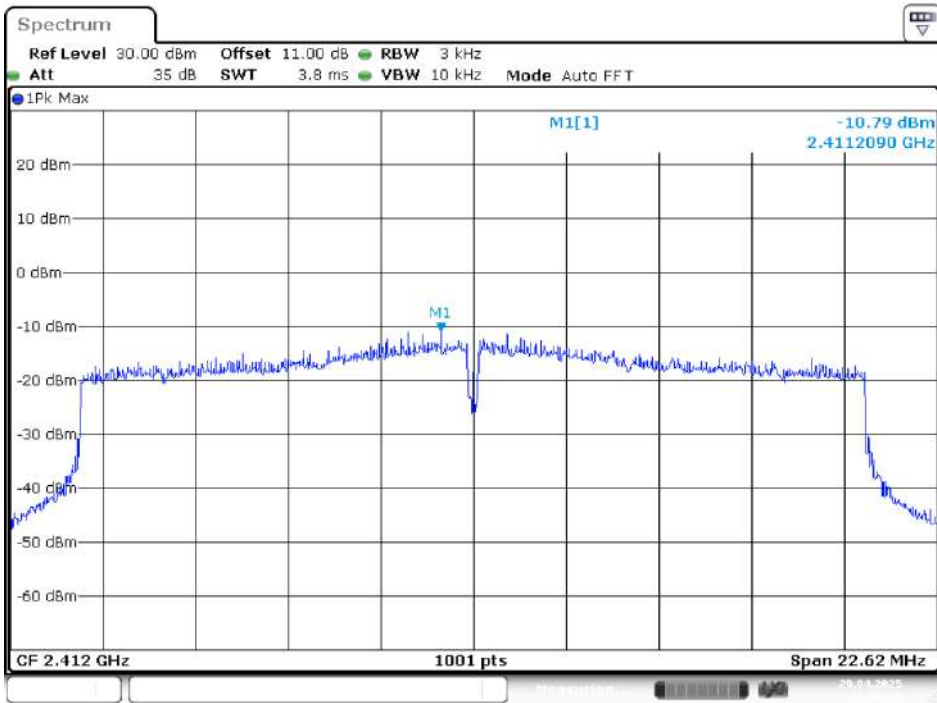
High Channel



Date: 29,APR,2025 15:14:47

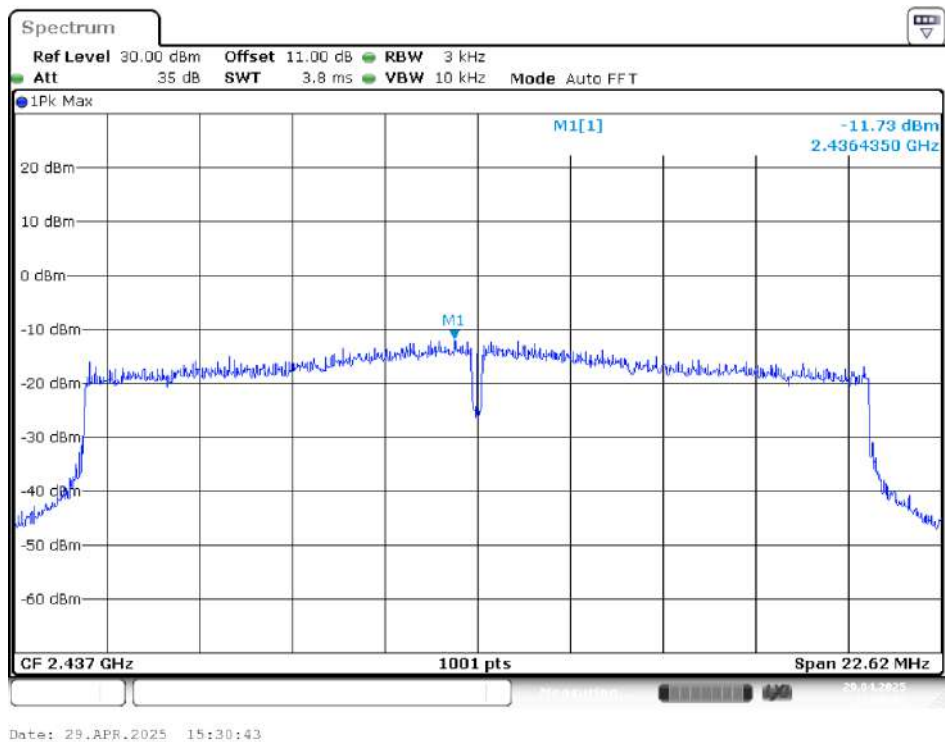
AX20 Mode

Low Channel

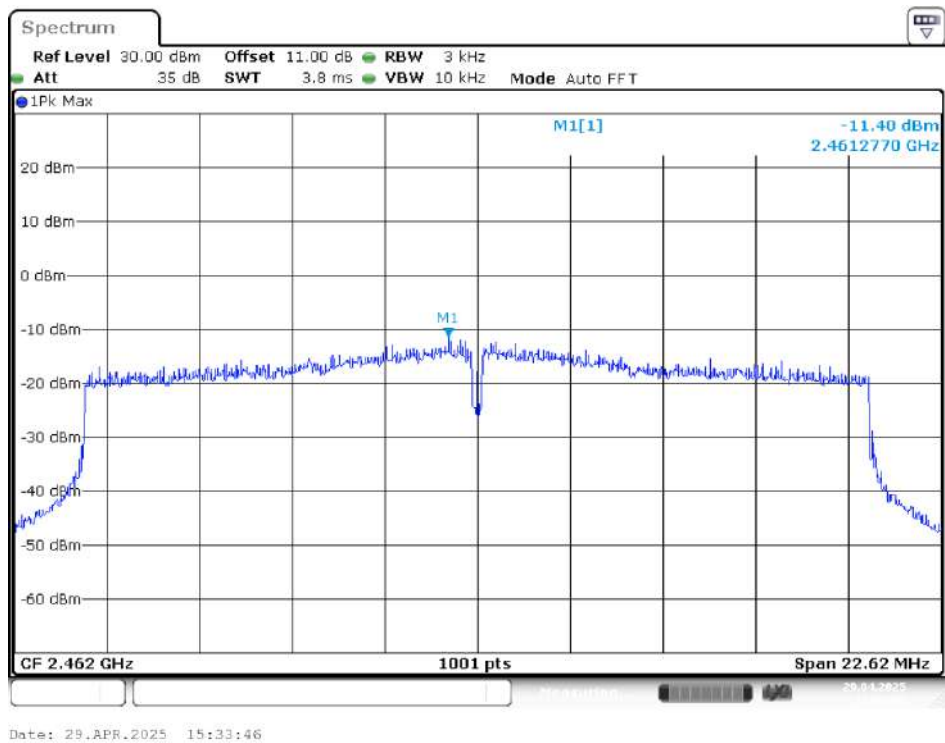


Date: 29,APR,2025 15:28:34

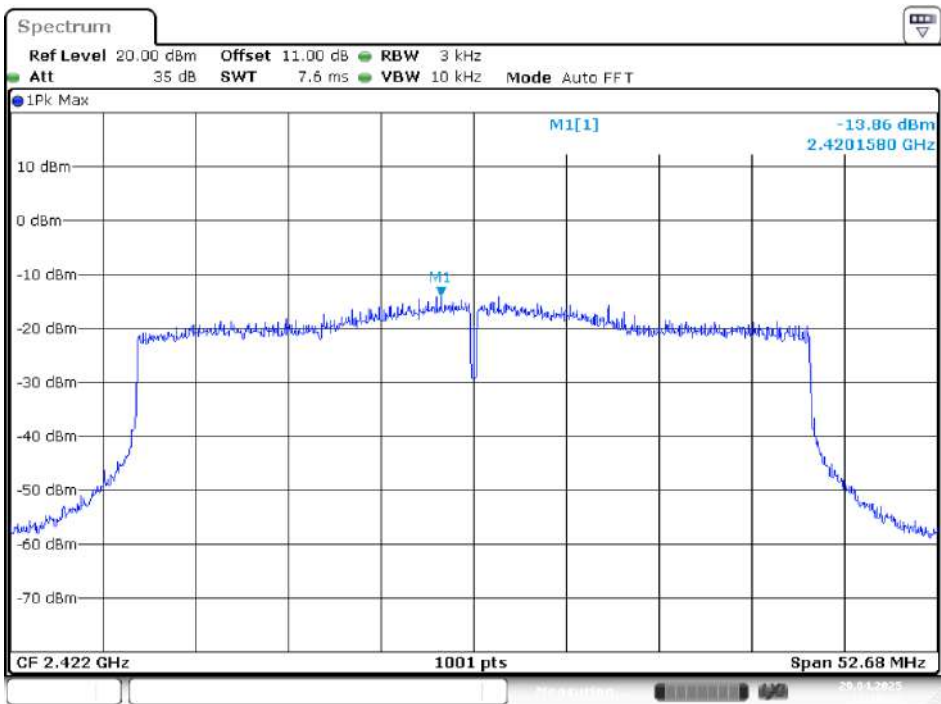
Middle Channel



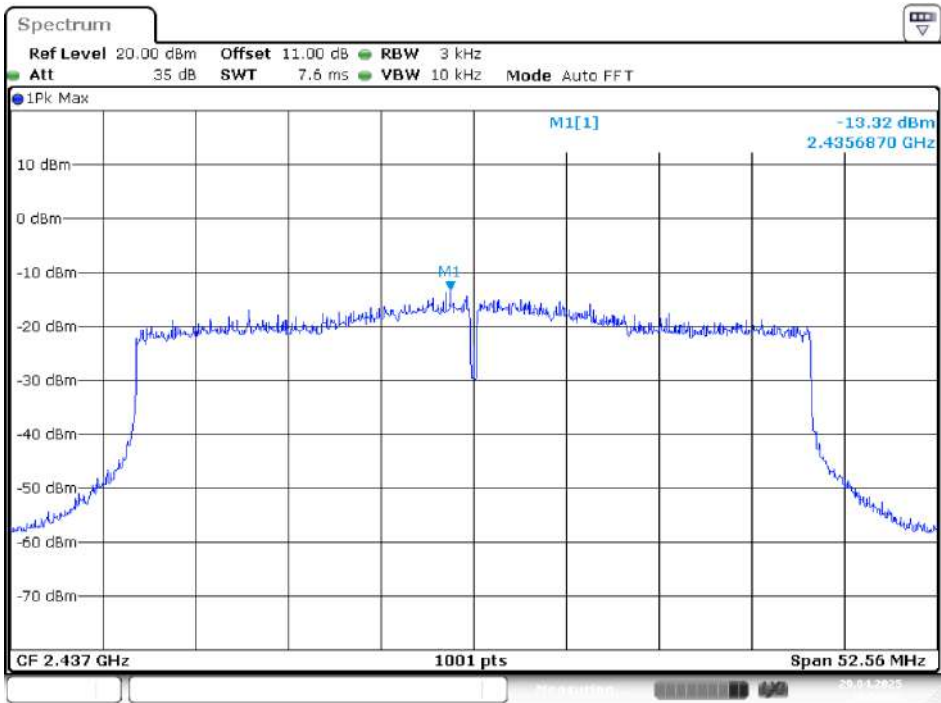
High Channel



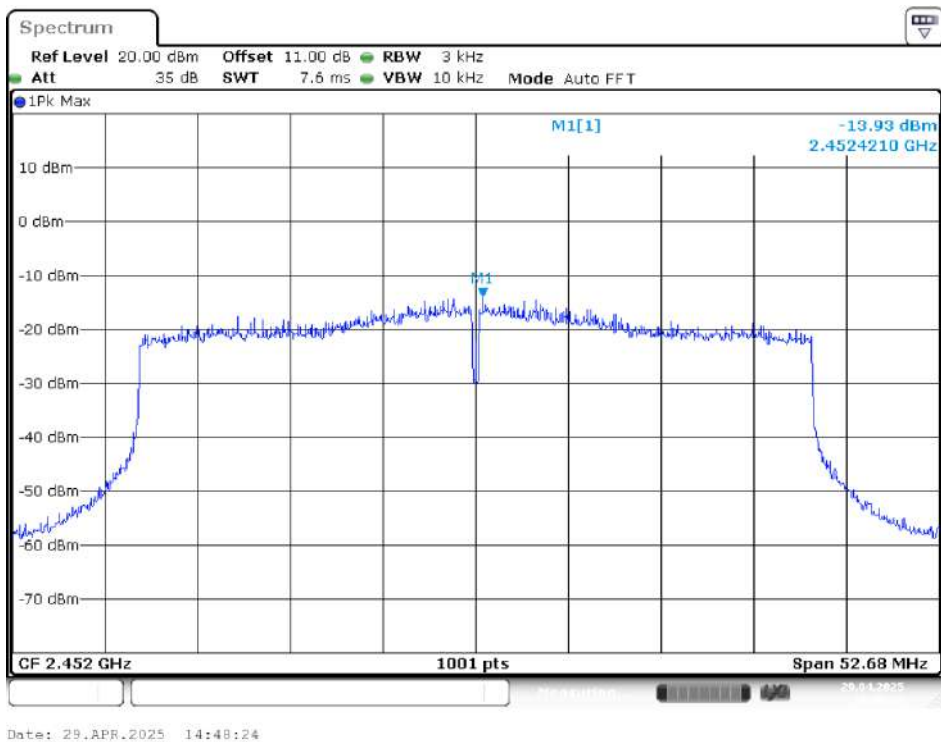
AX40 Mode
Low Channel



Middle Channel

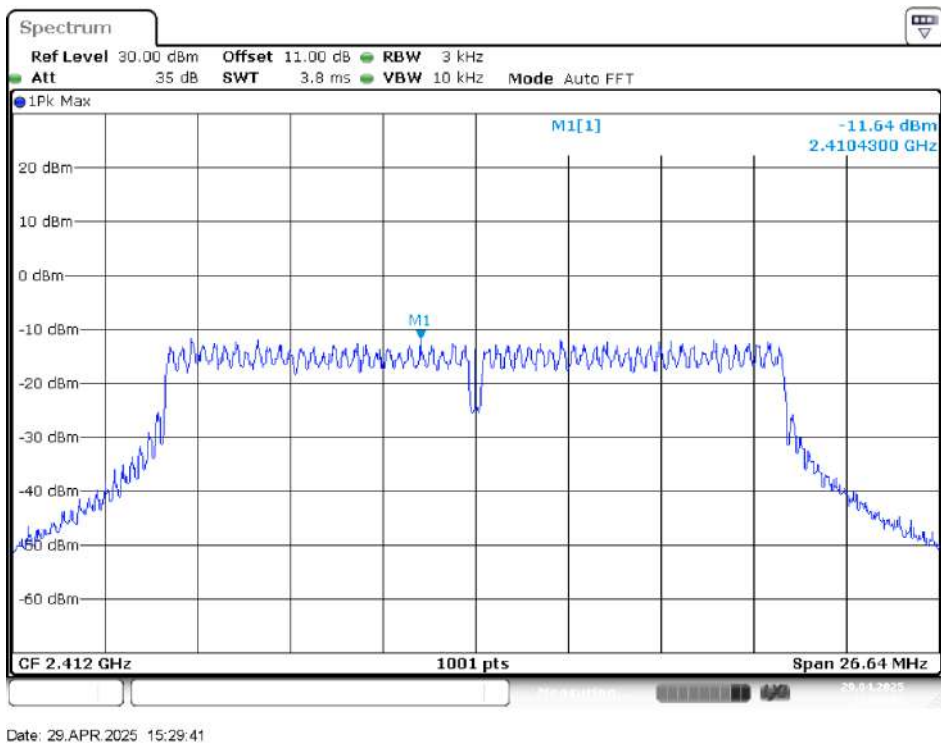


High Channel

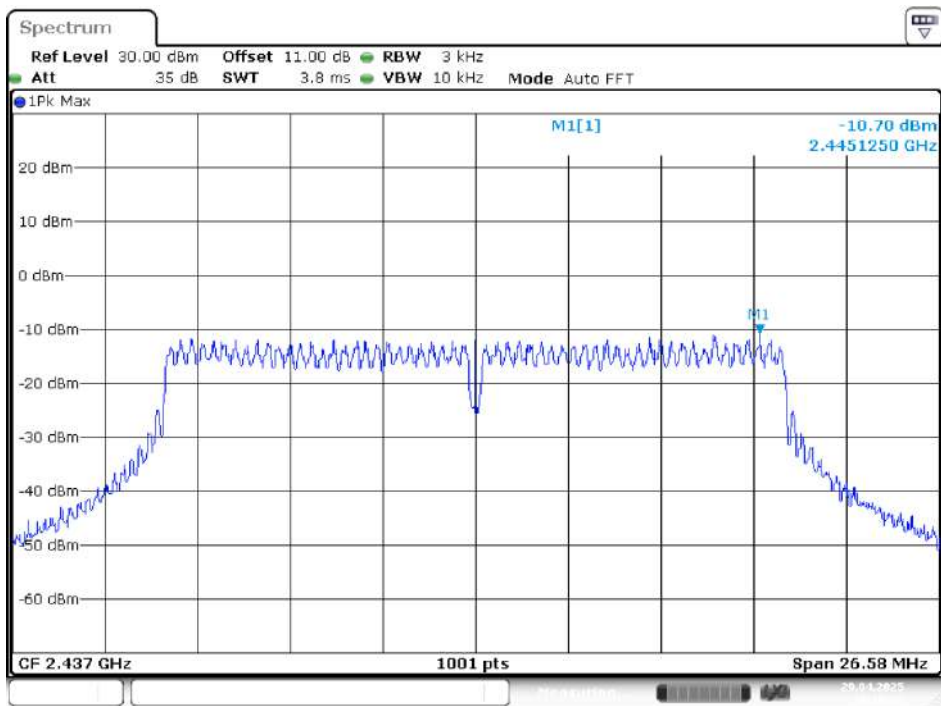


Chain 1

N20 Mode
Low Channel

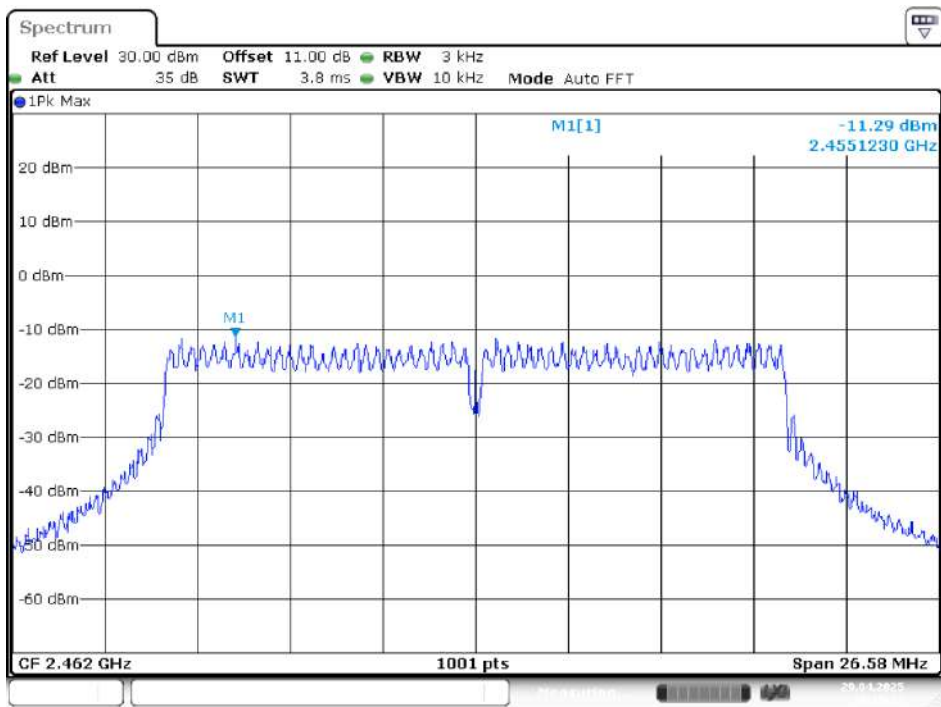


Middle Channel



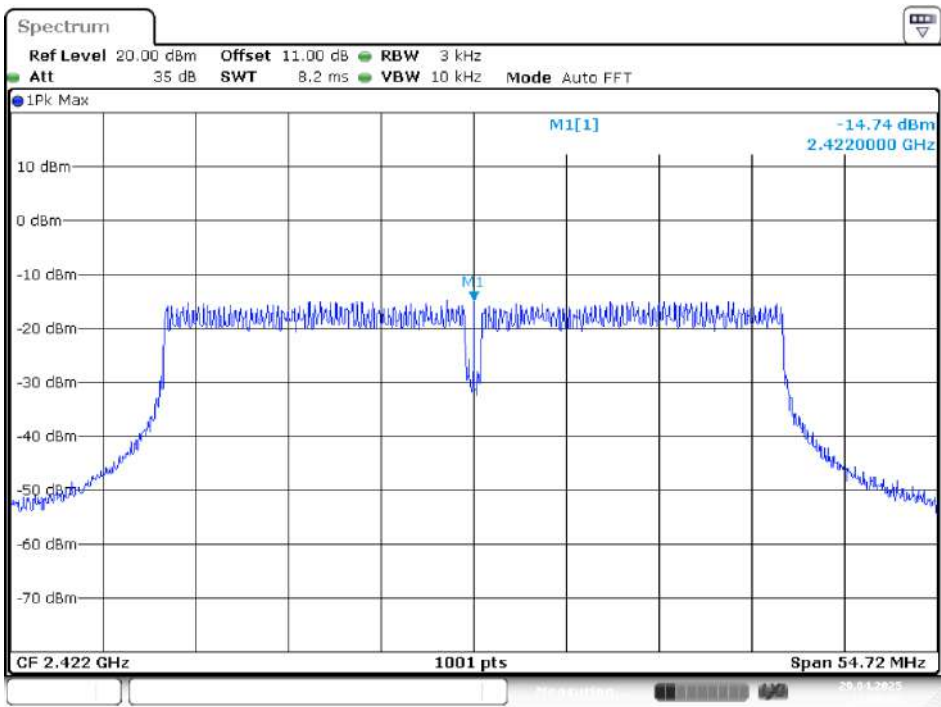
Date: 29,APR.2025 16:10:15

High Channel



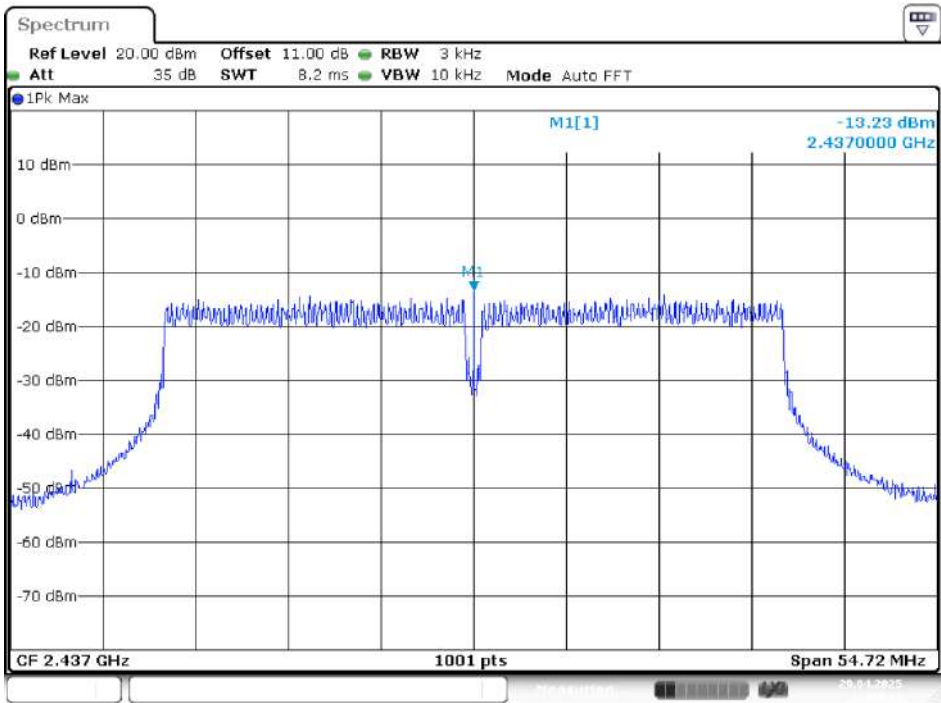
Date: 29,APR.2025 16:15:17

N40 Mode
Low Channel



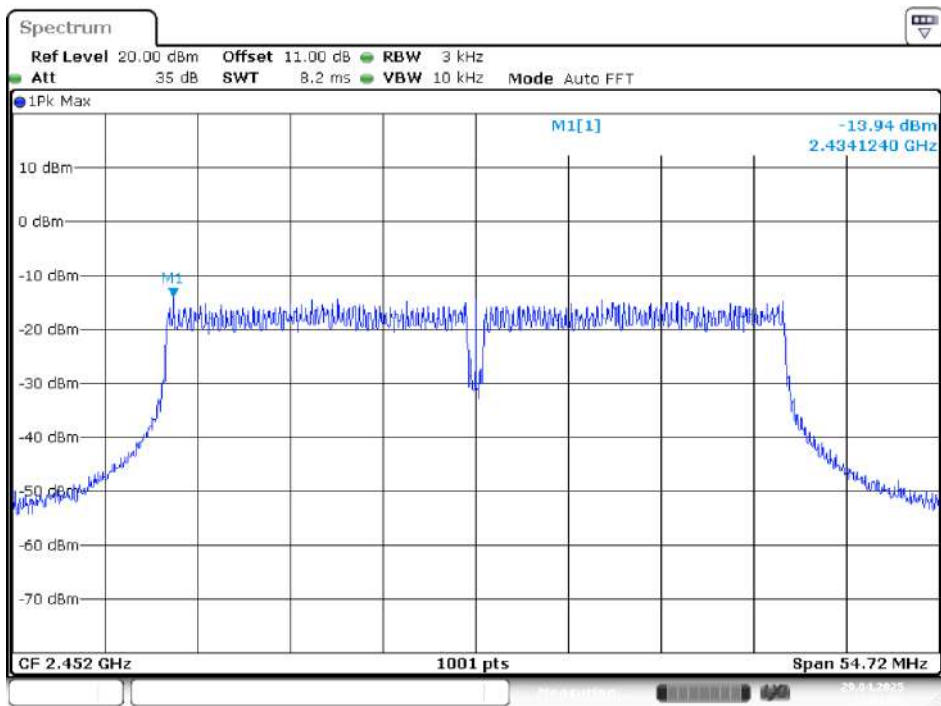
Date: 29,APR.2025 15:26:27

Middle Channel



Date: 29,APR.2025 15:24:15

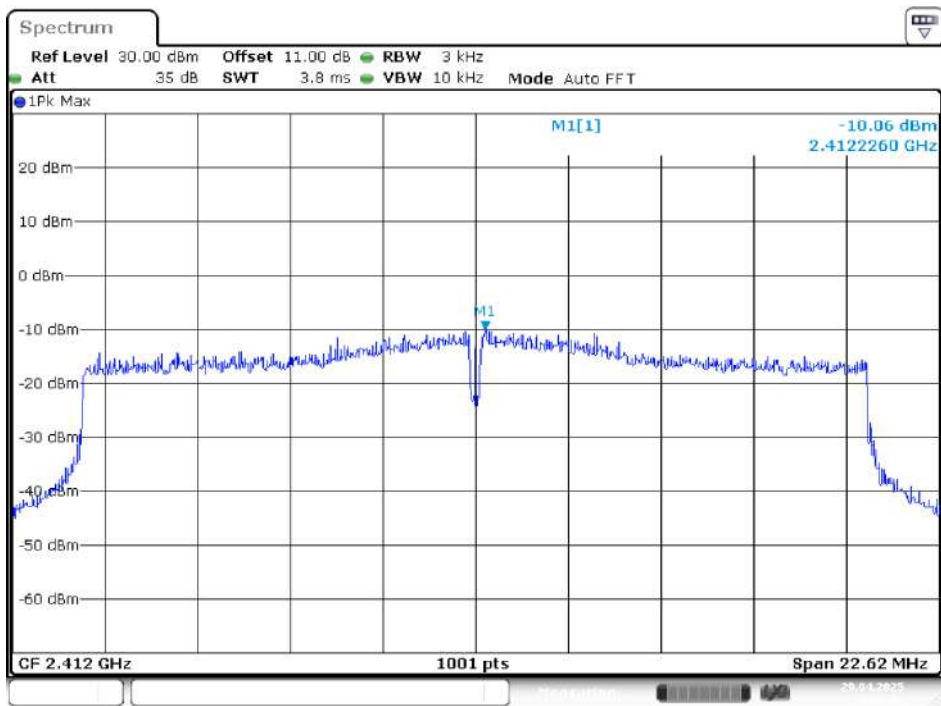
High Channel



Date: 29,APR,2025 15:21:54

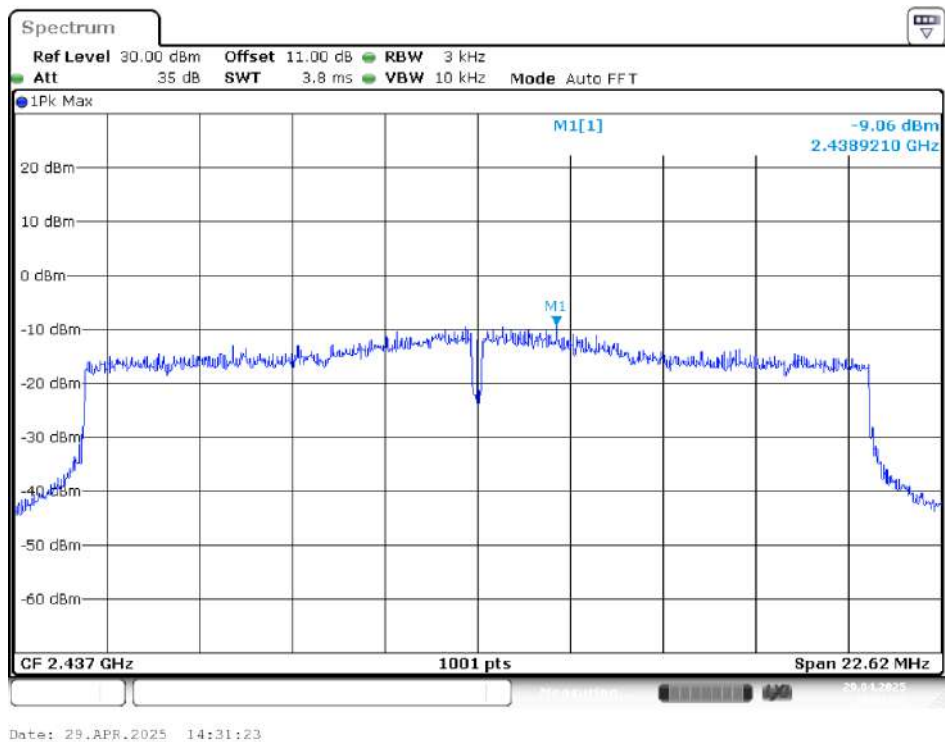
AX20 Mode

Low Channel

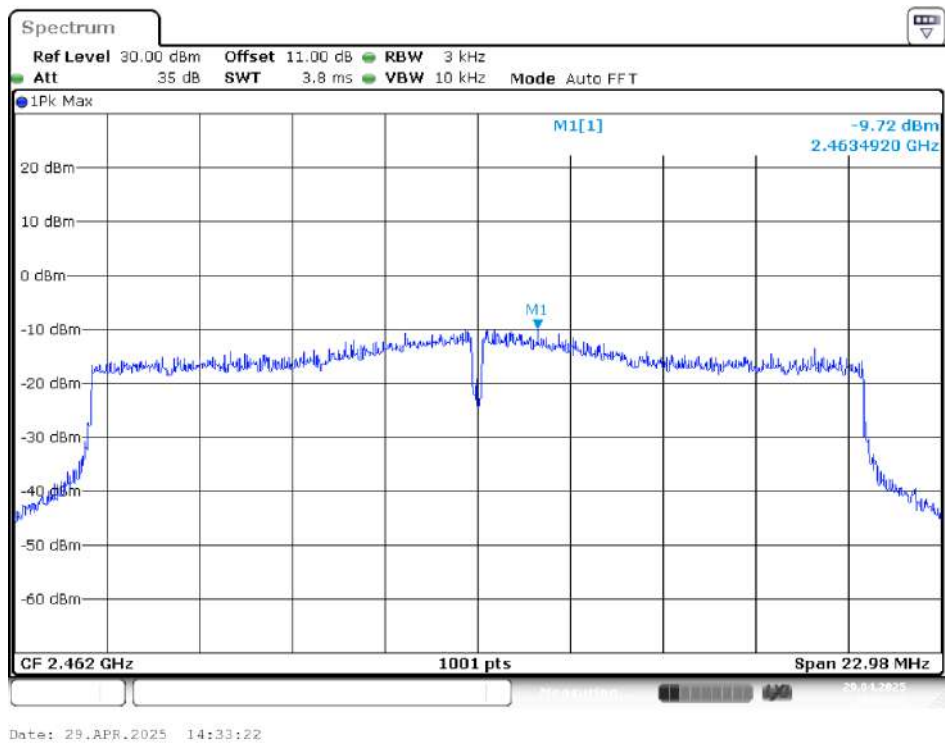


Date: 29,APR,2025 14:28:42

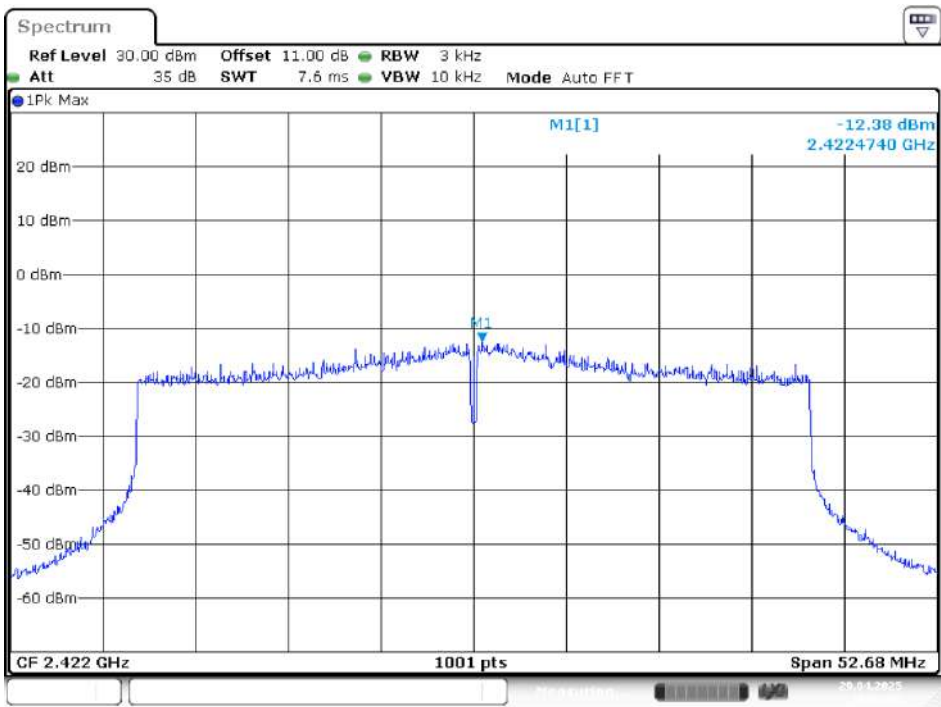
Middle Channel



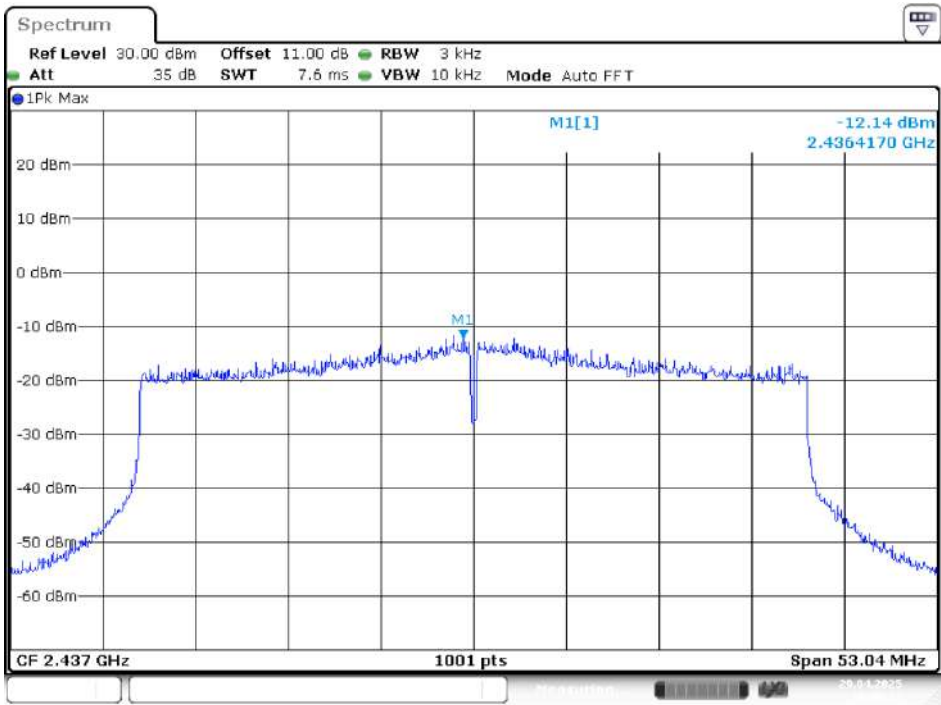
High Channel



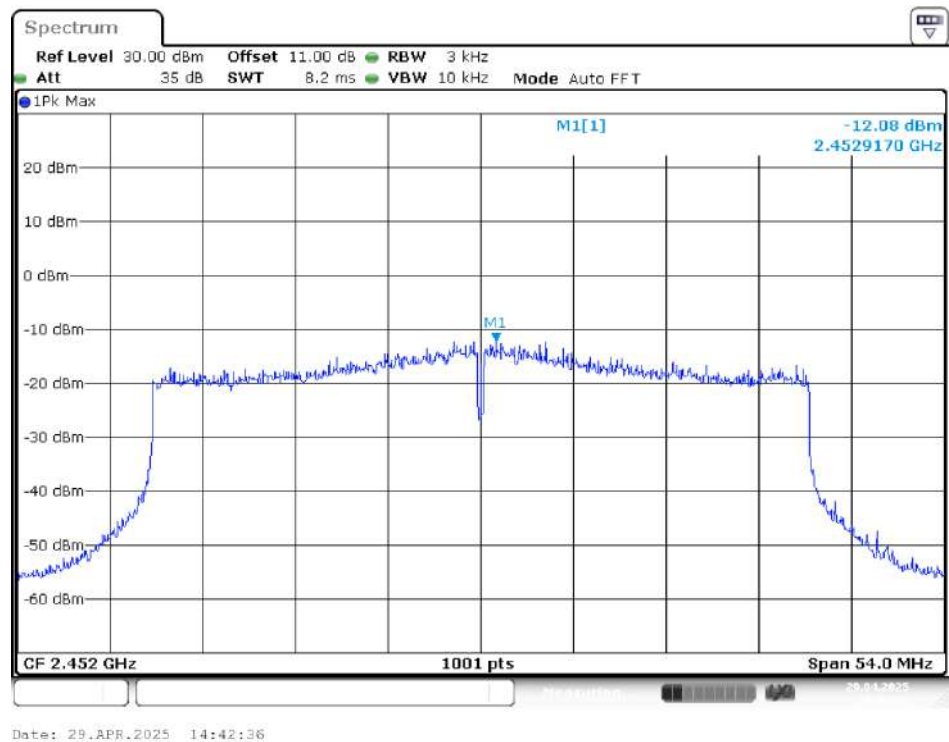
AX40 Mode
Low Channel



Middle Channel



High Channel



***** END OF REPORT *****