

**Test mode: 11ax\_HE80\_26T**

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)								
			RU Index								
			Low			Middle			High		
Port 1	Port 2	MIMO	Port 1	Port 2	MIMO	Port 1	Port 2	MIMO			
U-NII 1	5 210	42	-8.17	-5.47	-3.60	-10.28	-6.66	-5.09	-8.83	-5.18	-3.62
U-NII 2A	5 290	58	-7.93	-7.31	-4.60	-9.60	-8.53	-6.02	-8.82	-7.38	-5.03
U-NII 2C	5 530	106	-4.47	-3.53	-0.96	-6.48	-4.31	-2.25	-6.27	-3.84	-1.88
U-NII 3	5 775	155	-5.71	-2.53	-0.82	-7.11	-4.41	-2.54	-9.16	-7.40	-5.18
Band	Freq. (MHz)	Ch.	MIMO PSD (dB m)			Duty Cycle Correction Factor (dB)	MIMO Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/1 MHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 1	5 210	42	-3.60	-5.09	-3.62	-	-3.60	-5.09	-3.62	9.46	7.54
U-NII 2A	5 290	58	-4.60	-6.02	-5.03	-	-4.60	-6.02	-5.03	8.80	8.20
U-NII 2C	5 530	106	-0.96	-2.25	-1.88	-	-0.96	-2.25	-1.88	9.08	7.92
Band	Freq. (MHz)	Ch.	Measured PSD (dB m)			Duty Cycle Correction Factor (dB)	Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/500 kHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 3	5 775	155	-0.82	-2.54	-5.18	-	-0.82	-2.54	-5.18	8.35	27.65

**Test mode: 11ax\_HE80\_52T**

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)								
			RU Index								
			Low			Middle			High		
Port 1	Port 2	MIMO	Port 1	Port 2	MIMO	Port 1	Port 2	MIMO			
U-NII 1	5 210	42	-8.52	-6.51	-4.39	-9.18	-6.91	-4.89	-9.91	-6.44	-4.83
U-NII 2A	5 290	58	-8.64	-8.54	-5.58	-9.41	-8.86	-6.12	-10.05	-8.46	-6.17
U-NII 2C	5 530	106	-4.91	-4.70	-1.79	-5.86	-5.51	-2.67	-6.69	-4.85	-2.66
U-NII 3	5 775	155	-8.47	-4.64	-3.14	-9.65	-7.52	-5.45	-11.74	-8.84	-7.04
Band	Freq. (MHz)	Ch.	MIMO PSD (dB m)			Duty Cycle Correction Factor (dB)	MIMO Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/1 MHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 1	5 210	42	-4.39	-4.89	-4.83	-	-4.39	-4.89	-4.83	9.46	7.54
U-NII 2A	5 290	58	-5.58	-6.12	-6.17	-	-5.58	-6.12	-6.17	8.80	8.20
U-NII 2C	5 530	106	-1.79	-2.67	-2.66	-	-1.79	-2.67	-2.66	9.08	7.92
Band	Freq. (MHz)	Ch.	Measured PSD (dB m)			Duty Cycle Correction Factor (dB)	Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/500 kHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 3	5 775	155	-3.14	-5.45	-7.04	-	-3.14	-5.45	-7.04	8.35	27.65

**Test mode: 11ax\_HE80\_106T**

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)								
			RU Index								
			Low			Middle			High		
Port 1	Port 2	MIMO	Port 1	Port 2	MIMO	Port 1	Port 2	MIMO			
U-NII 1	5 210	42	-11.59	-8.52	-6.78	-12.30	-8.97	-7.31	-12.52	-9.30	-7.61
U-NII 2A	5 290	58	-11.78	-10.45	-8.05	-12.84	-10.58	-8.55	-12.85	-11.38	-9.04
U-NII 2C	5 530	106	-8.25	-6.91	-4.52	-8.91	-7.96	-5.40	-9.11	-8.06	-5.54
U-NII 3	5 775	155	-11.56	-6.85	-5.59	-12.44	-9.95	-8.01	-14.24	-11.52	-9.66

Band	Freq. (MHz)	Ch.	MIMO PSD (dB m)			Duty Cycle Correction Factor (dB)	MIMO Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/1 MHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 1	5 210	42	-6.78	-7.31	-7.61	-	-6.78	-7.31	-7.61	9.46	7.54
U-NII 2A	5 290	58	-8.05	-8.55	-9.04		-8.05	-8.55	-9.04	8.80	8.20
U-NII 2C	5 530	106	-4.52	-5.40	-5.54		-4.52	-5.40	-5.54	9.08	7.92

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)			Duty Cycle Correction Factor (dB)	Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/500 kHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 3	5 775	155	-5.59	-8.01	-9.66	-	-5.59	-8.01	-9.66	8.35	27.65

**Test mode: 11ax\_HE80\_242T**

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)								
			RU Index								
			Low			Middle			High		
Port 1	Port 2	MIMO	Port 1	Port 2	MIMO	Port 1	Port 2	MIMO			
U-NII 1	5 210	42	-14.15	-11.19	-9.41	-14.26	-11.95	-9.94	-14.62	-11.54	-9.80
U-NII 2A	5 290	58	-14.18	-13.08	-10.58	-14.73	-13.77	-11.21	-15.04	-14.25	-11.62
U-NII 2C	5 530	106	-11.67	-10.37	-7.96	-12.12	-10.46	-8.20	-12.73	-11.41	-9.01
U-NII 3	5 775	155	-14.82	-10.03	-8.79	-15.77	-11.90	-10.41	-16.63	-15.33	-12.92

Band	Freq. (MHz)	Ch.	MIMO PSD (dB m)			Duty Cycle Correction Factor (dB)	MIMO Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/1 MHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 1	5 210	42	-9.41	-9.94	-9.80	-	-9.41	-9.94	-9.80	9.46	7.54
U-NII 2A	5 290	58	-10.58	-11.21	-11.62		-10.58	-11.21	-11.62	8.80	8.20
U-NII 2C	5 530	106	-7.96	-8.20	-9.01		-7.96	-8.20	-9.01	9.08	7.92

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)			Duty Cycle Correction Factor (dB)	Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/500 kHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 3	5 775	155	-8.79	-10.41	-12.92	-	-8.79	-10.41	-12.92	8.35	27.65

**Test mode: 11ax\_HE80\_484T**

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)								
			RU Index								
			Low			Middle			High		
Port 1	Port 2	MIMO	Port 1	Port 2	MIMO	Port 1	Port 2	MIMO			
U-NII 1	5 210	42	-17.12	-14.69	-12.73	-	-	-	-17.60	-14.87	-13.01
U-NII 2A	5 290	58	-17.23	-16.31	-13.74	-	-	-	-17.38	-16.82	-14.08
U-NII 2C	5 530	106	-14.75	-13.52	-11.08	-	-	-	-15.60	-14.24	-11.86
U-NII 3	5 775	155	-18.23	-13.52	-12.26	-	-	-	-19.36	-16.56	-14.73
Band	Freq. (MHz)	Ch.	MIMO PSD (dB m)			Duty Cycle Correction Factor (dB)	MIMO Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/1 MHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 1	5 210	42	-12.73	-	-13.01	-	-12.73	-	-13.01	9.46	7.54
U-NII 2A	5 290	58	-13.74	-	-14.08	-	-13.74	-	-14.08	8.80	8.20
U-NII 2C	5 530	106	-11.08	-	-11.86	-	-11.08	-	-11.86	9.08	7.92
Band	Freq. (MHz)	Ch.	Measured PSD (dB m)			Duty Cycle Correction Factor (dB)	Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/500 kHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 3	5 775	155	-12.26	-	-14.73	-	-12.26	-	-14.73	8.35	27.65

**Test mode: 11ax\_HE80\_996T**

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)								
			RU Index								
			Low			Middle			High		
Port 1	Port 2	MIMO	Port 1	Port 2	MIMO	Port 1	Port 2	MIMO			
U-NII 1	5 210	42	-	-	-	-19.71	-16.90	-15.07	-	-	-
U-NII 2A	5 290	58	-	-	-	-19.65	-18.97	-16.29	-	-	-
U-NII 2C	5 530	106	-	-	-	-18.00	-16.48	-14.16	-	-	-
U-NII 3	5 775	155	-	-	-	-21.82	-17.00	-15.76	-	-	-
Band	Freq. (MHz)	Ch.	MIMO PSD (dB m)			Duty Cycle Correction Factor (dB)	MIMO Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/1 MHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 1	5 210	42	-	-15.07	-	-	-	-15.07	-	9.46	7.54
U-NII 2A	5 290	58	-	-16.29	-	-	-	-16.29	-	8.80	8.20
U-NII 2C	5 530	106	-	-14.16	-	-	-	-14.16	-	9.08	7.92
Band	Freq. (MHz)	Ch.	Measured PSD (dB m)			Duty Cycle Correction Factor (dB)	Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/500 kHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 3	5 775	155	-	-15.76	-	-	-	-15.76	-	8.35	27.65

**Test mode: 11ax\_HE80\_SU**

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)								
			RU Index								
			Low			Middle			High		
			Port 1	Port 2	MIMO	Port 1	Port 2	MIMO	Port 1	Port 2	MIMO
U-NII 1	5 210	42	-	-	-	-17.26	-14.53	-12.67	-	-	-
U-NII 2A	5 290	58	-	-	-	-17.84	-16.13	-13.89	-	-	-
U-NII 2C	5 530	106	-	-	-	-15.24	-13.86	-11.49	-	-	-
U-NII 3	5 775	155	-	-	-	-18.26	-15.44	-13.61	-	-	-

Band	Freq. (MHz)	Ch.	MIMO PSD (dB m)			Duty Cycle Correction Factor (dB)	MIMO Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/1 MHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 1	5 210	42	-	-12.67	-	-	-12.67	-	9.46	7.54	
U-NII 2A	5 290	58	-	-13.89	-	-	-13.89	-	8.80	8.20	
U-NII 2C	5 530	106	-	-11.49	-	-	-11.49	-	9.08	7.92	

Band	Freq. (MHz)	Ch.	Measured PSD (dB m)			Duty Cycle Correction Factor (dB)	Final PSD (dB m)			Directional Antenna Gain (dB i)	Limit (dB m/500 kHz)
			RU Index				RU Index				
			Low	Middle	High		Low	Middle	High		
U-NII 3	5 775	155	-	-13.61	-	-	-13.61	-	8.35	27.65	

**Remark;**

1. According to KDB 662911, power spectral density of each port and antenna gain was combined by using below calculation.

- PSD:  $10 \log \{10^{(\text{Port 1 PSD} / 10)} + 10^{(\text{Port 2 PSD} / 10)}\}$

- Unequal antenna gains, with equal transmit powers. For antenna gains given by  $G_1, G_2, \dots, G_N$  dB i

(i) If transmit signals are correlated, then

Directional gain =  $10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}]$  dB i [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

2. Final PSD (dB m) = PSD (dB m) + Duty Cycle Correction Factor (dB)
3. PSD limit is reduced in accordance with Part 15.407 and RSS-247 Issue 3 due to directional gain exceeding 6 dB i.

**Band-crossing channels**

Mode	Band	Frequency (MHz)	Ch.	Tones	Measured PSD (dB m)				
					Port 1	Port 2	MIMO		
11ax_HE20	U-NII 2C	5 720	144	SU	-12.11	-7.21	-5.99		
	U-NII 3				-18.86	-12.34	-11.47		
11ax_HE40	U-NII 2C	5 710	142	SU	-14.13	-9.08	-7.90		
	U-NII 3				-21.78	-14.76	-13.97		
11ax_HE80	U-NII 2C	5 690	138	SU	-16.38	-11.04	-9.93		
	U-NII 3				-26.06	-18.89	-18.13		
Mode	Band	Frequency (MHz)	Ch.	Tones	MIMO PSD (dB m)	Duty Cycle Correction Factor (dB)	Final PSD (dB m)	Directional Antenna Gain (dB i)	Limit (dB m/1 MHz or dB m/500 kHz)
11ax_HE20	U-NII 2C	5 720	144	SU	-5.99	-	-5.99	9.08	7.92
	U-NII 3				-11.47		-11.47	8.35	8.65
11ax_HE40	U-NII 2C	5 710	142	SU	-7.90		-7.90	9.08	7.92
	U-NII 3				-13.97		-13.97	8.35	8.65
11ax_HE80	U-NII 2C	5 690	138	SU	-9.93		-9.93	9.08	7.92
	U-NII 3				-18.13		-18.13	8.35	8.65

**Remark;**

1. According to KDB 662911, power spectral density of each port and antenna gain was combined by using below calculation.

- PSD:  $10 \log \{10^{(\text{Port 1 PSD} / 10)} + 10^{(\text{Port 2 PSD} / 10)}\}$

- Unequal antenna gains, with equal transmit powers. For antenna gains given by  $G_1, G_2, \dots, G_N$  dB i

(i) If transmit signals are correlated, then

Directional gain =  $10 \log \left[ \frac{(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2}{N_{\text{ANT}}} \right]$  dB i [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

2. Final PSD (dB m) = PSD (dB m) + Duty Cycle Correction Factor (dB)
3. PSD limit is reduced in accordance with Part 15.407 and RSS-247 Issue 3 due to directional gain exceeding 6 dB i.

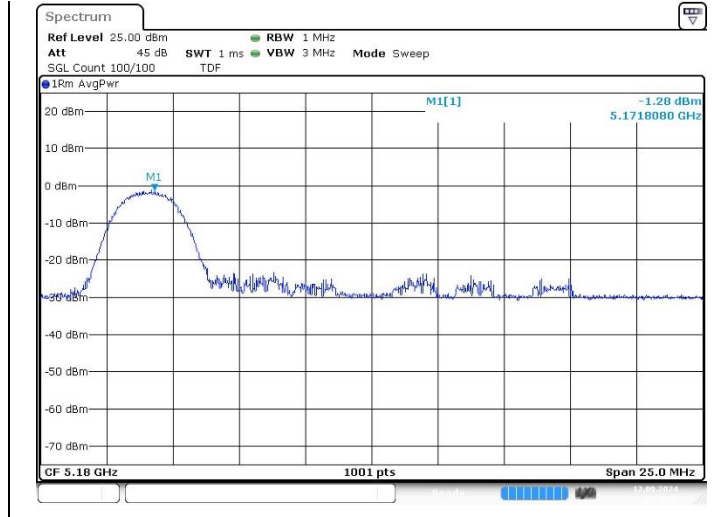
**- Test plots**

**SISO**

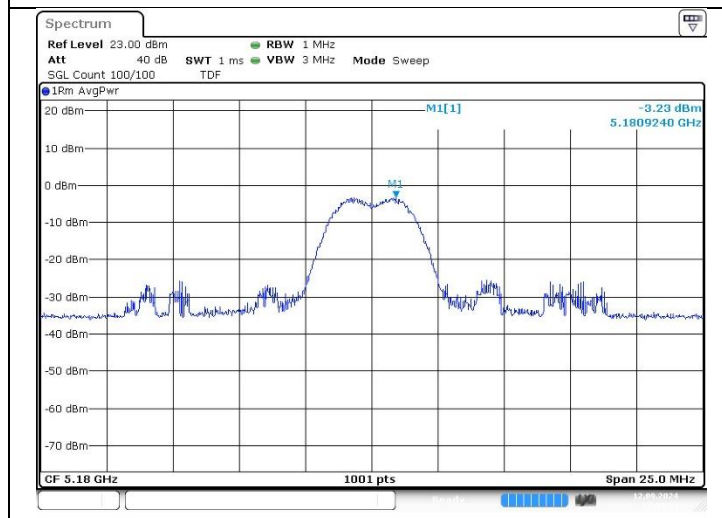
**11ax\_HE20\_26T (Band 1)**

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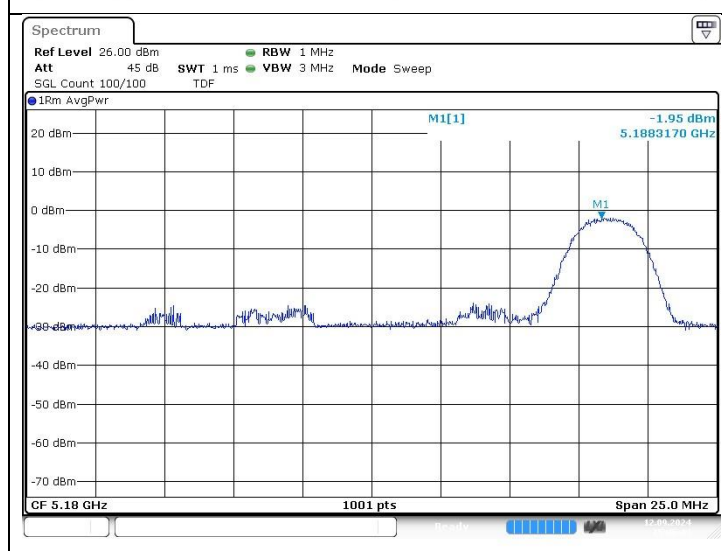
Low Channel (5 180 MHz)



4 RU

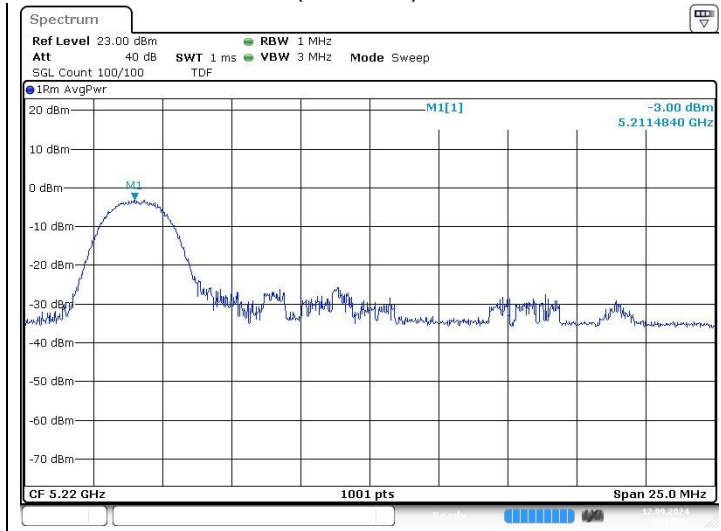


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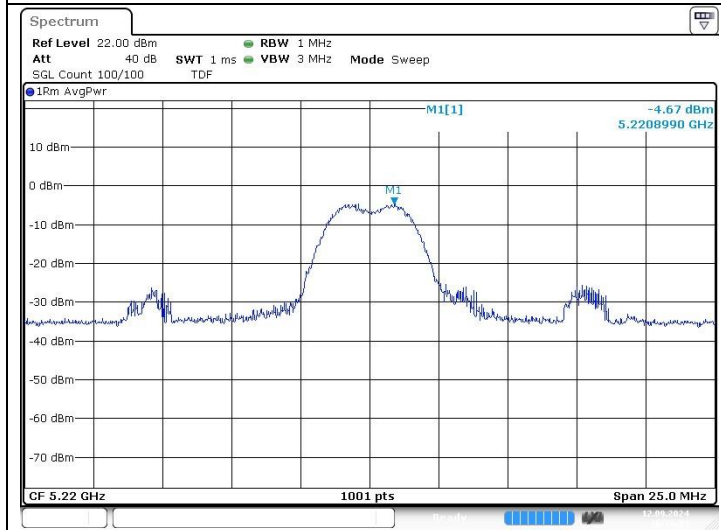


Middle Channel (5 220 MHz)

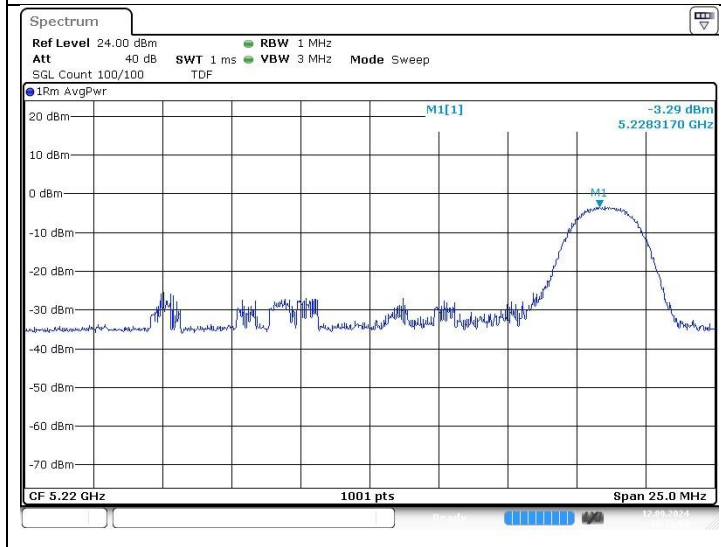
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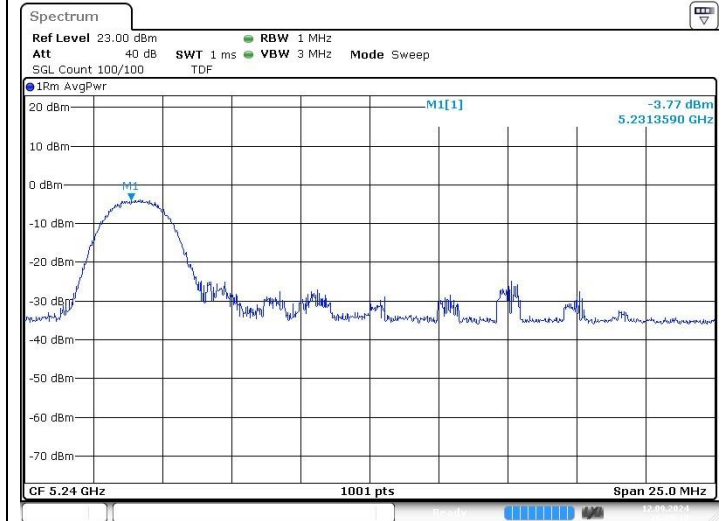


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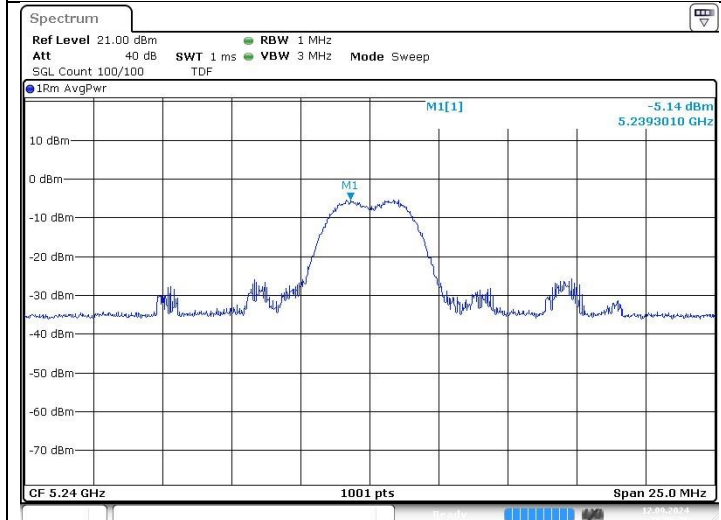


High Channel (5 240 MHz)

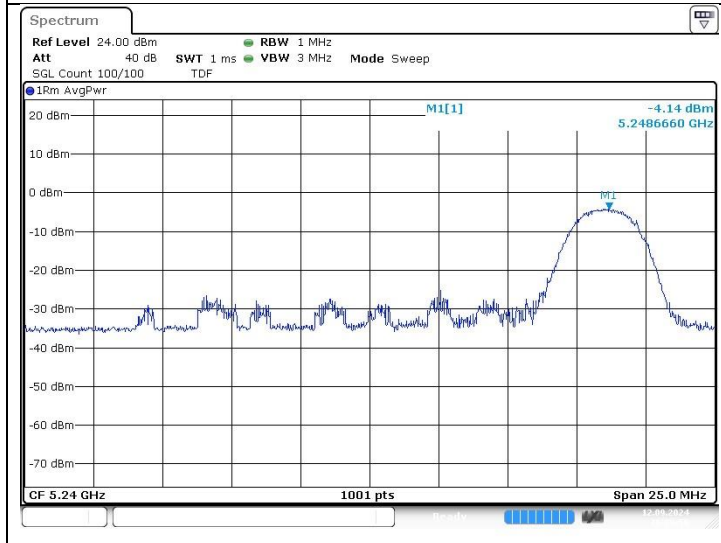
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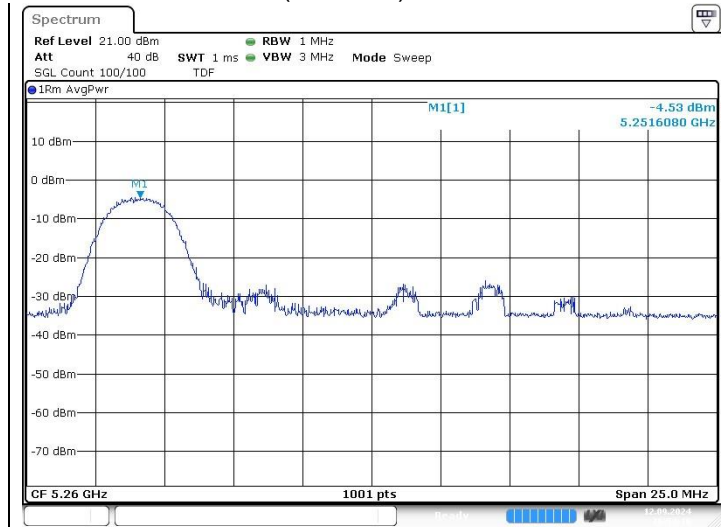




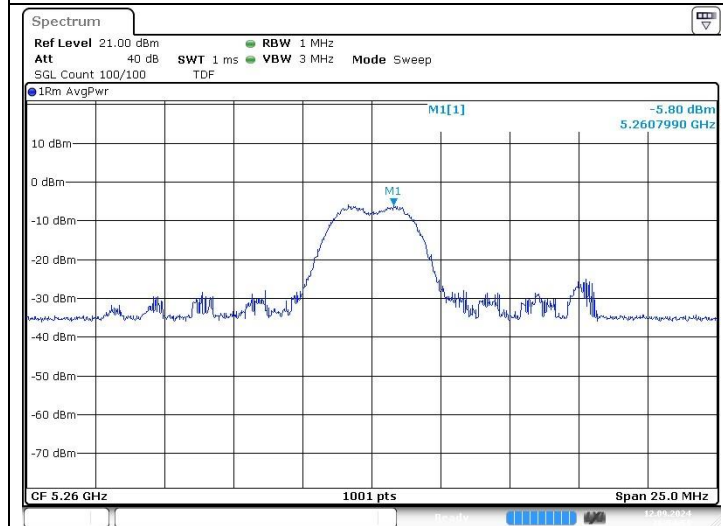
11ax\_HE20\_26T (Band 2A)

0 RU

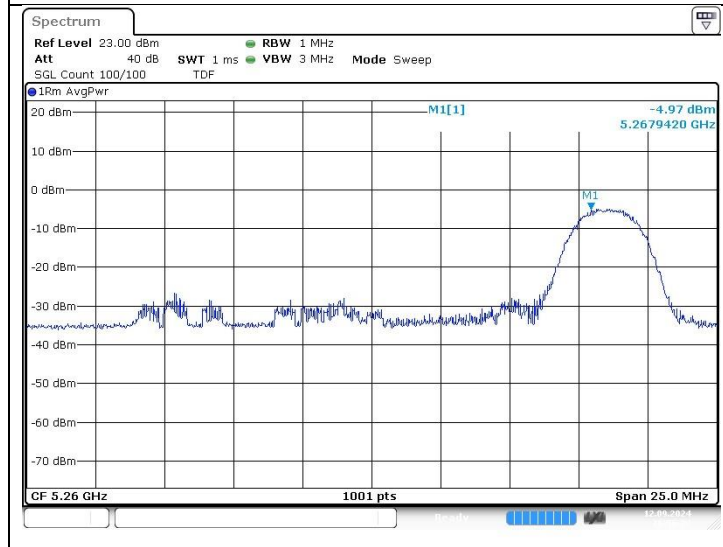
Low Channel (5 260 MHz)



4 RU

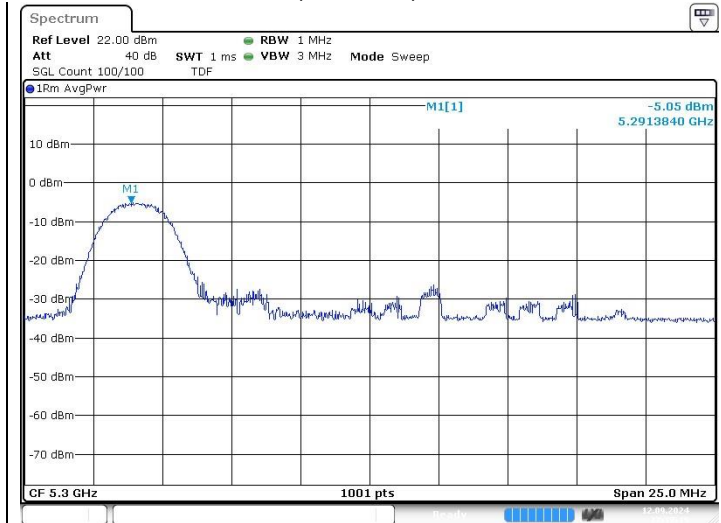


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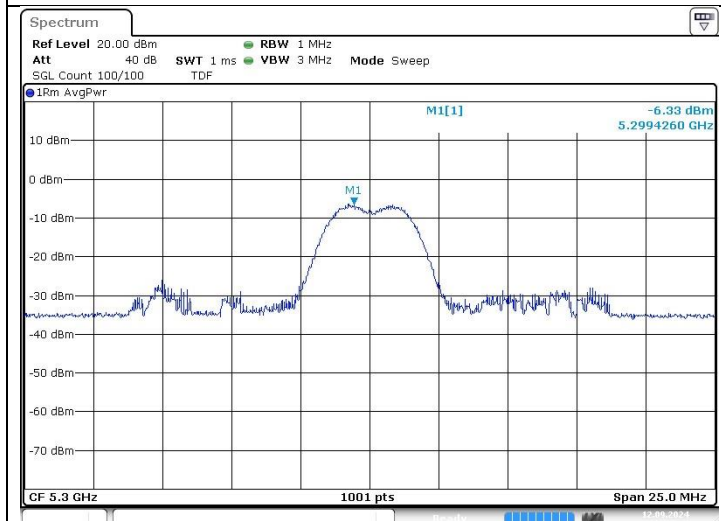


Middle Channel (5 300 MHz)

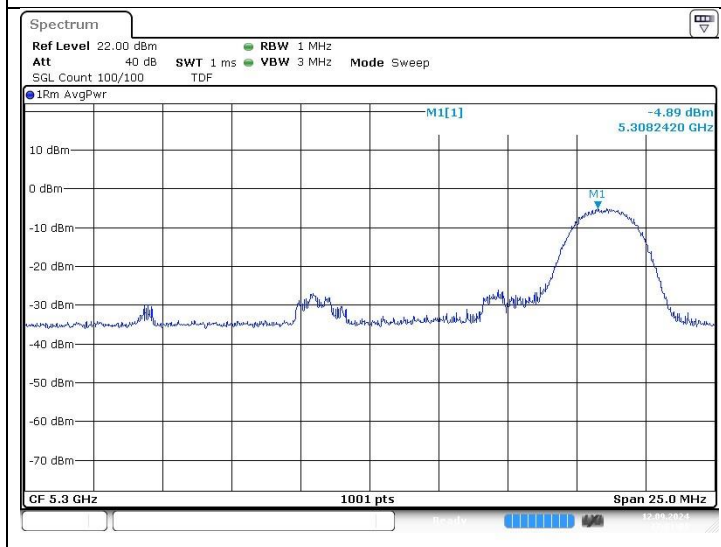
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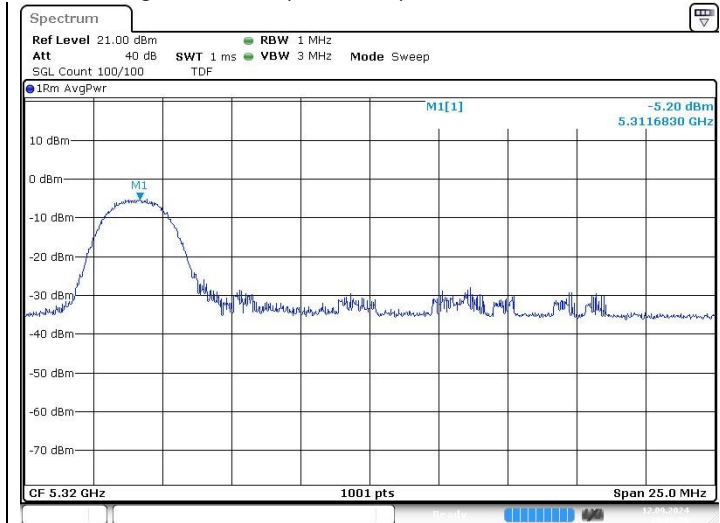


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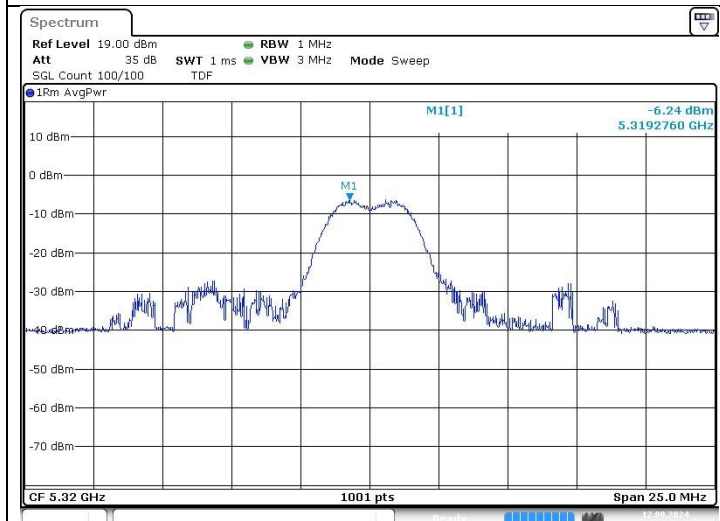


High Channel (5 320 MHz)

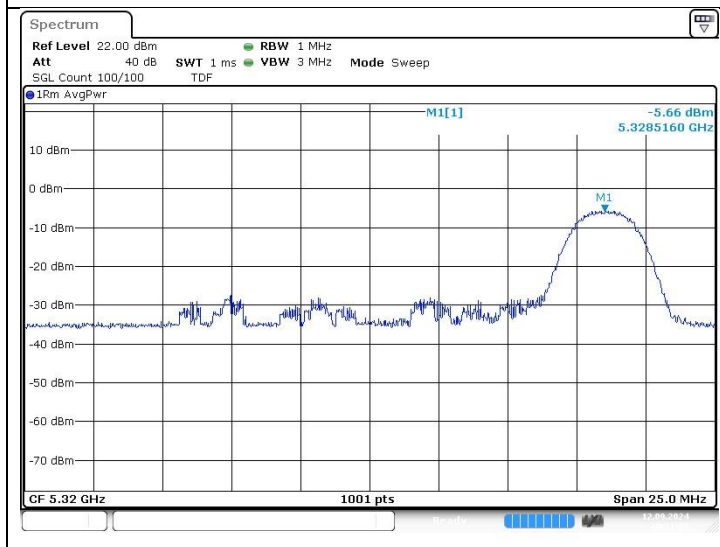
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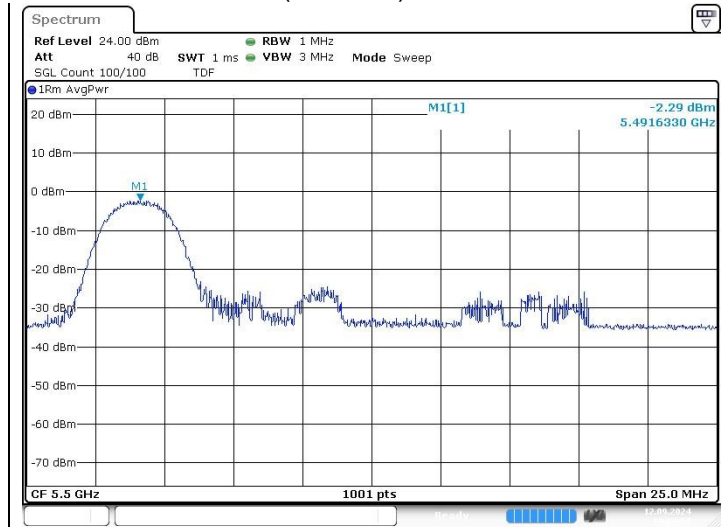
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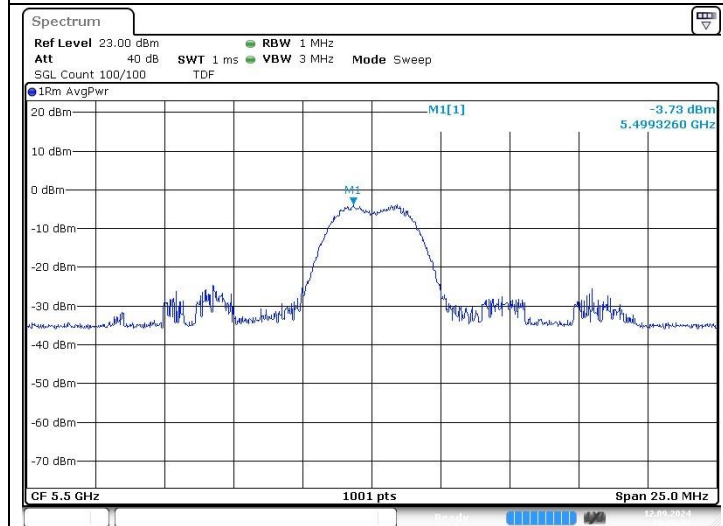
11ax\_HE20\_26T (Band 2C)

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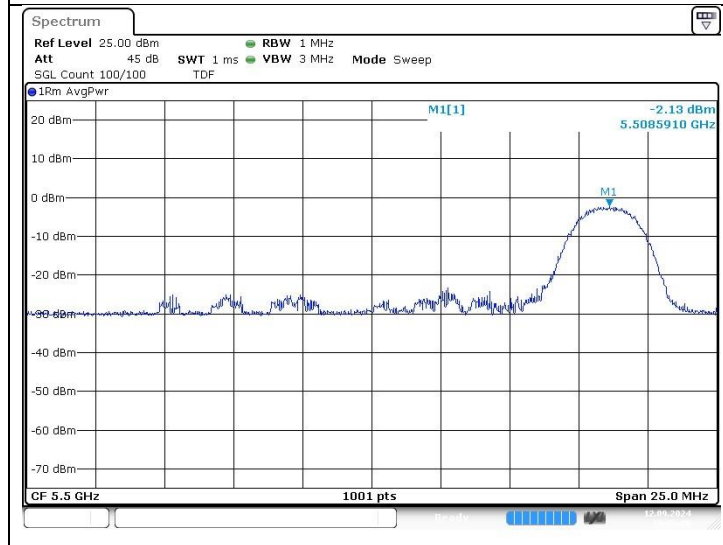
Low Channel (5 500 MHz)



4 RU

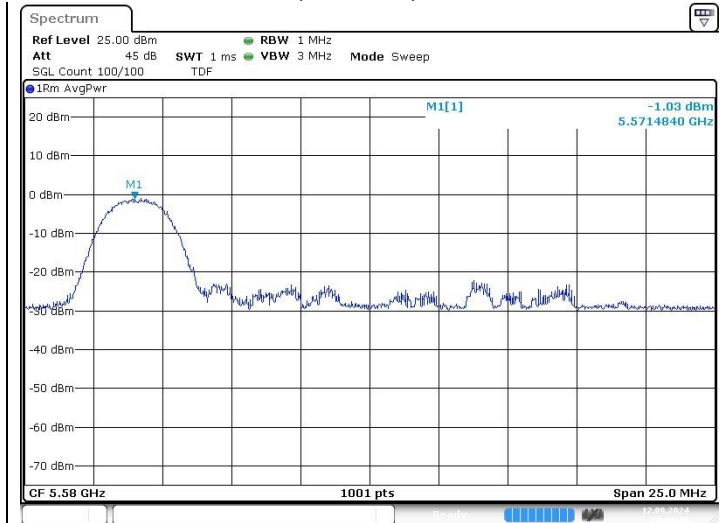


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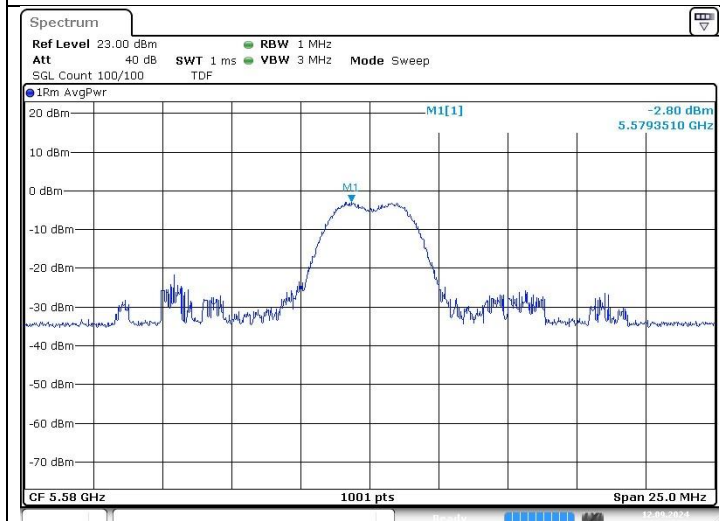


Middle Channel (5 580 MHz)

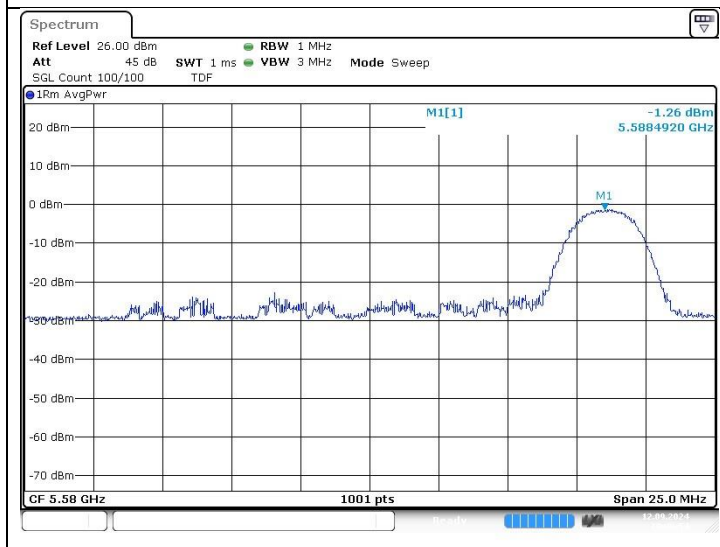
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4 RU

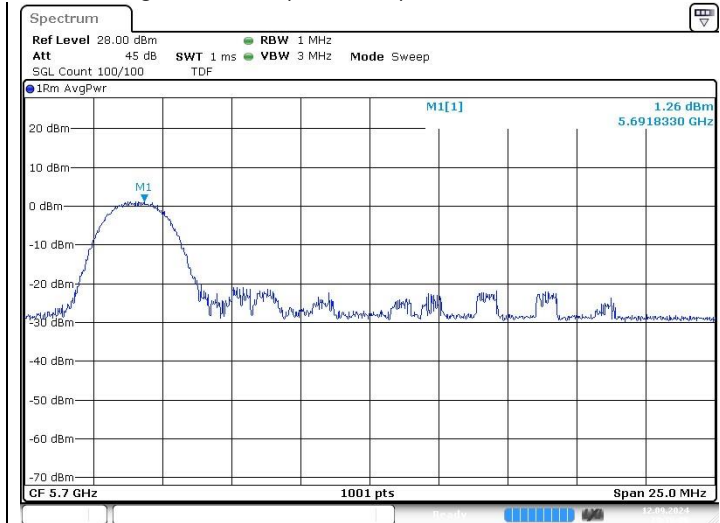


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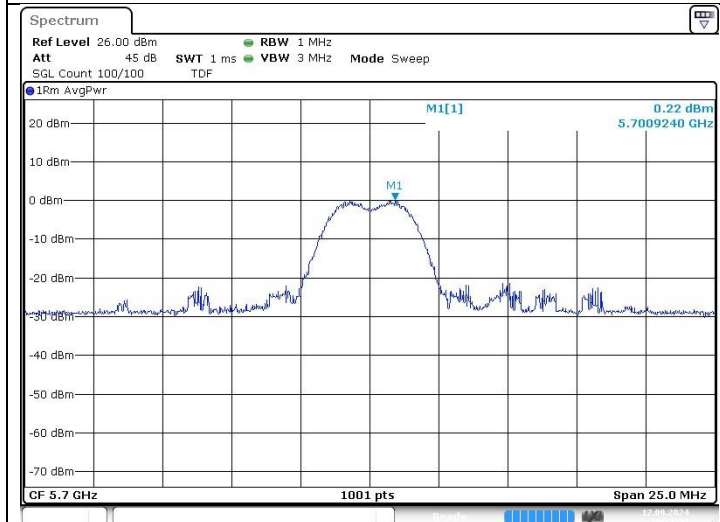


High Channel (5 700 MHz)

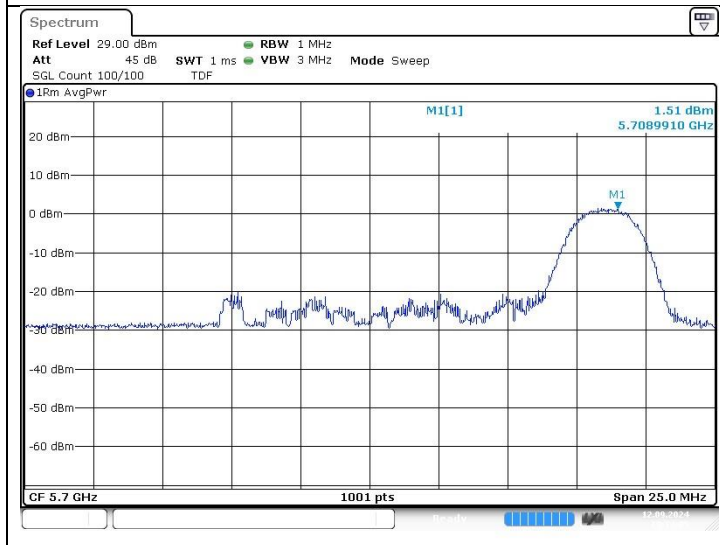
0 RU



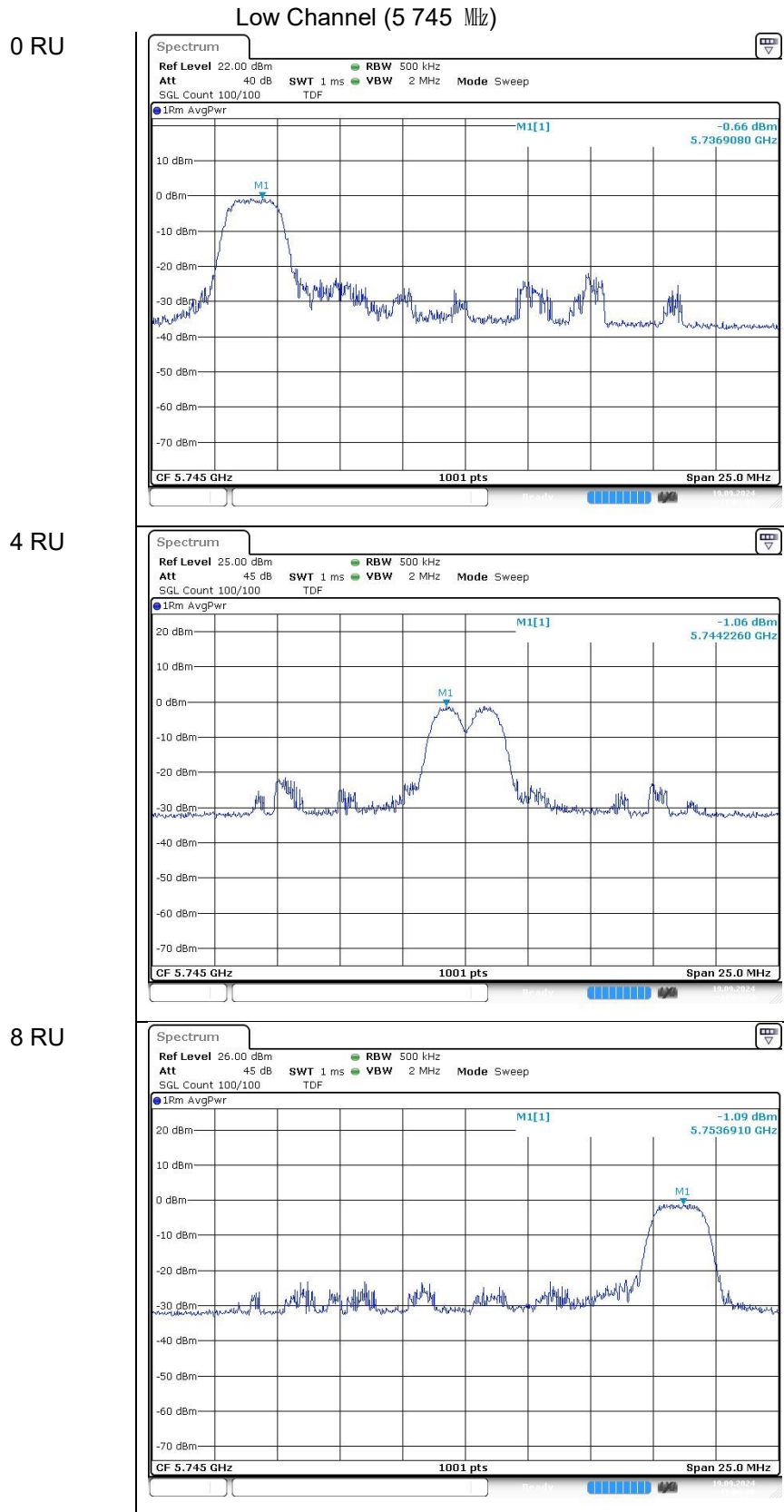
4 RU



8 RU

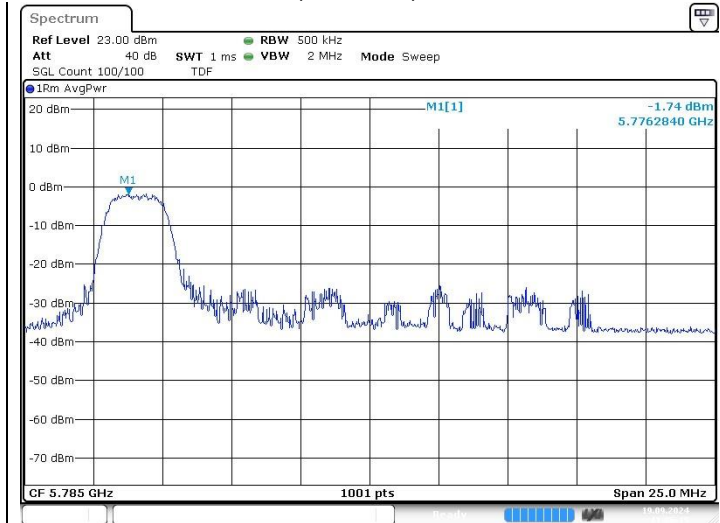


11ax\_HE20\_26T (Band 3)

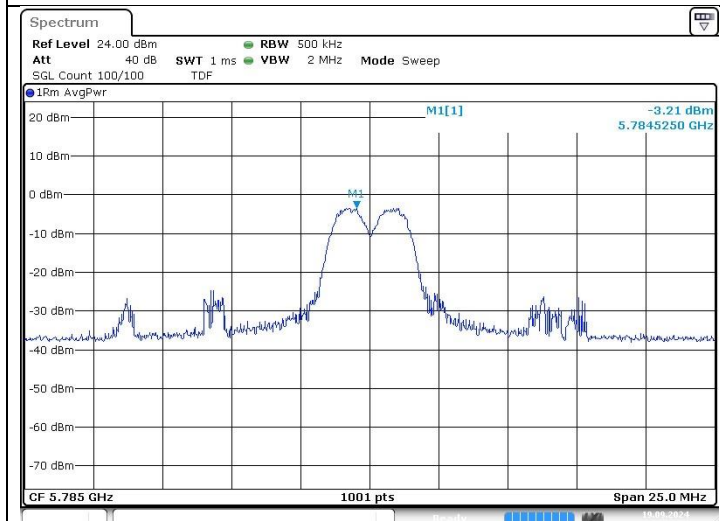


Middle Channel (5 785 MHz)

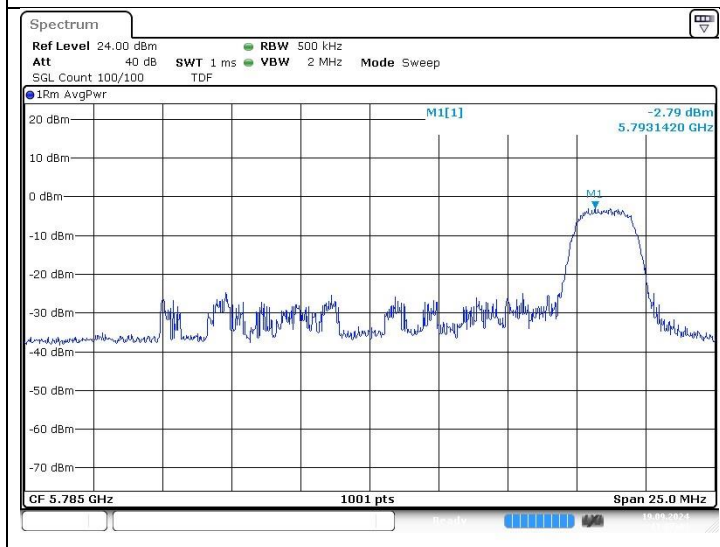
0 RU



4 RU



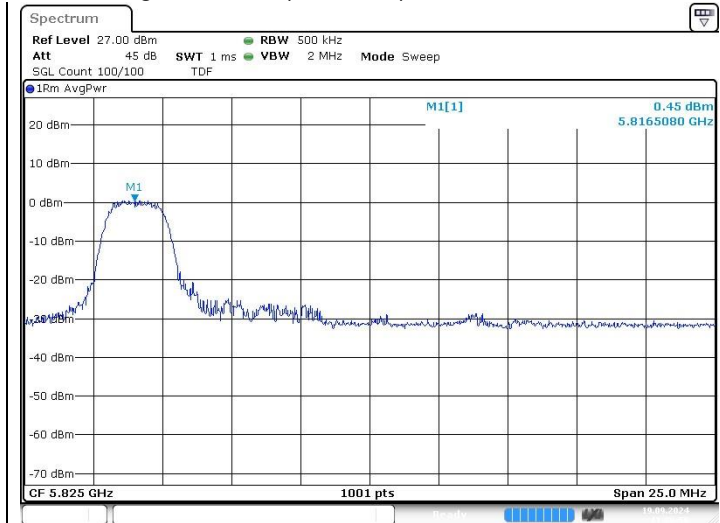
8 RU



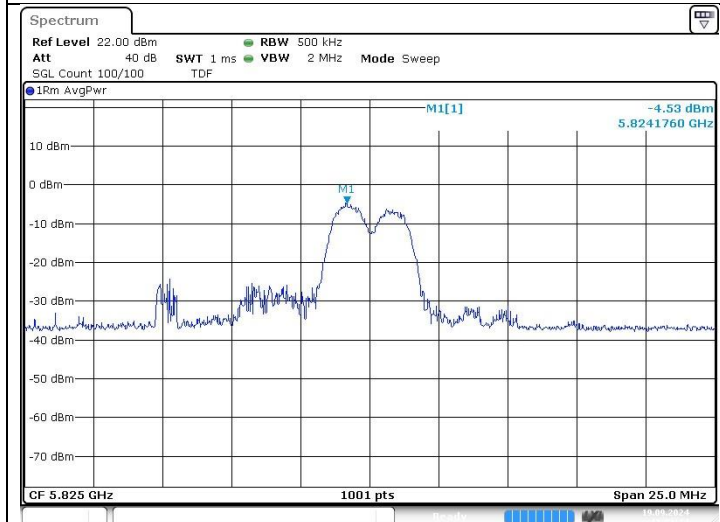


High Channel (5 825 MHz)

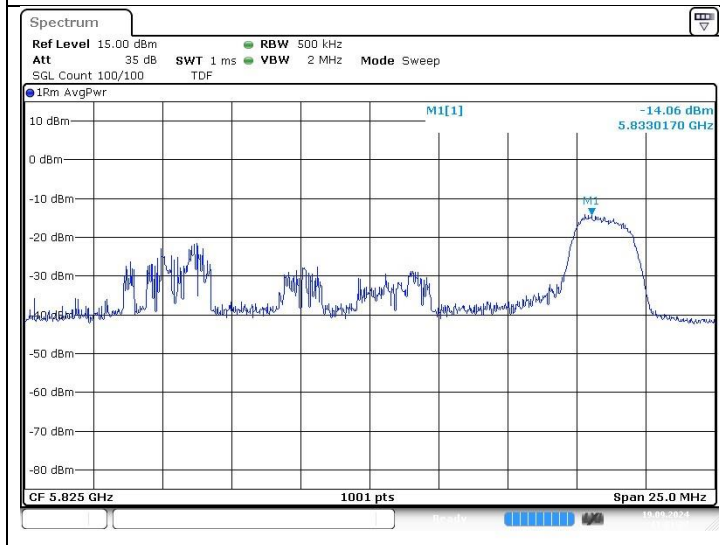
0 RU



4 RU

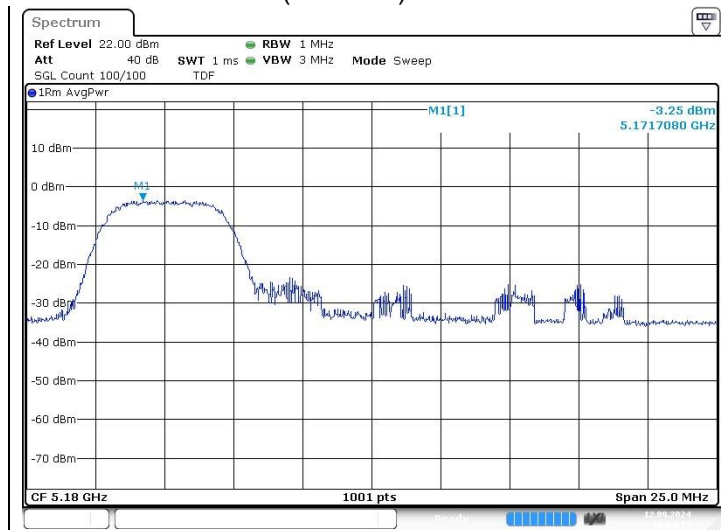


8 RU

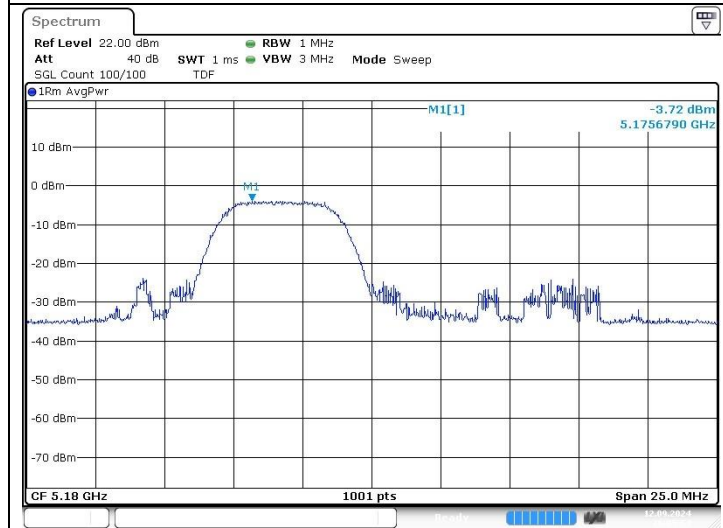


11ax\_HE20\_52T (Band 1)

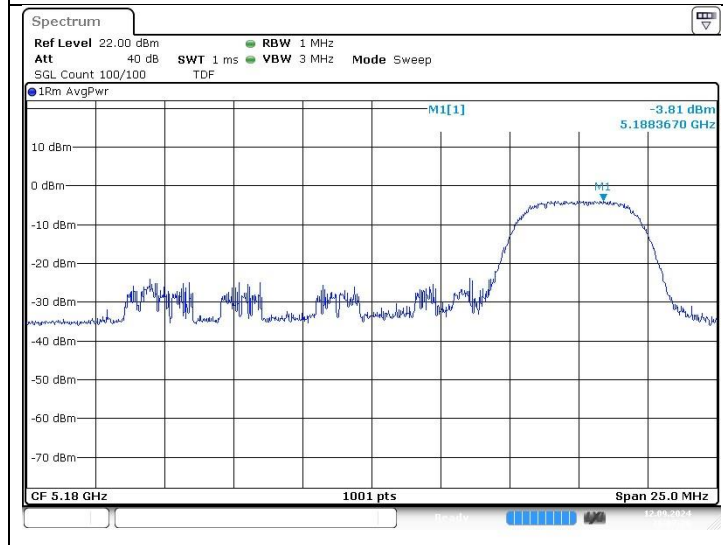
37 RU Low Channel (5 180 MHz)



38 RU

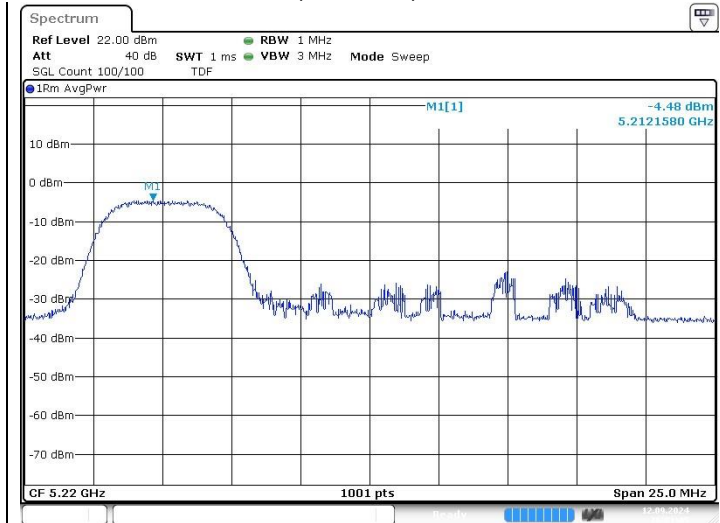


40 RU

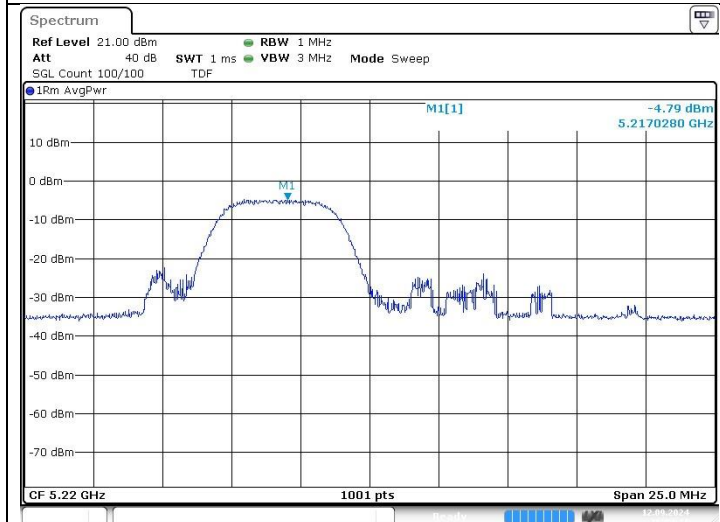


Middle Channel (5 220 MHz)

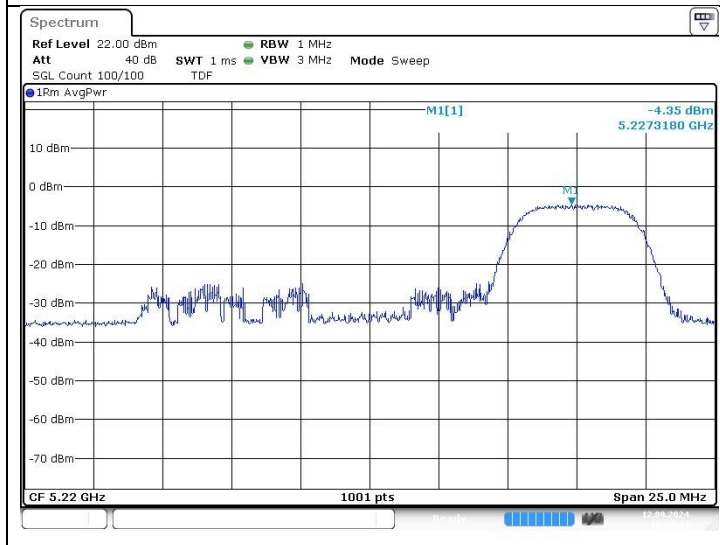
37 RU



38 RU

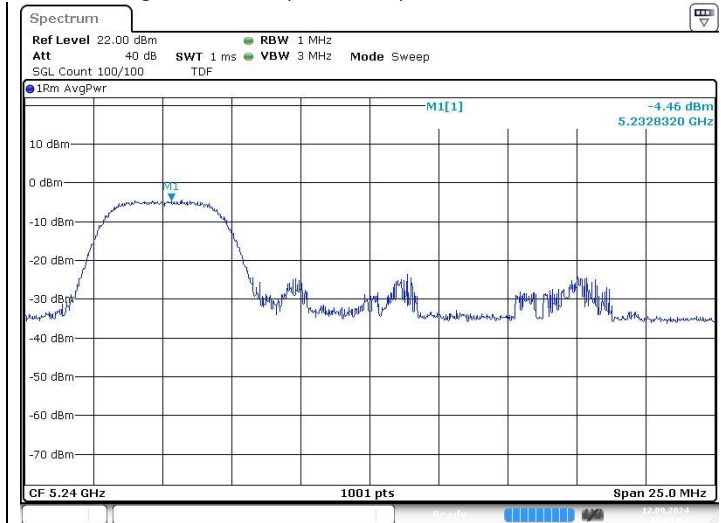


40 RU

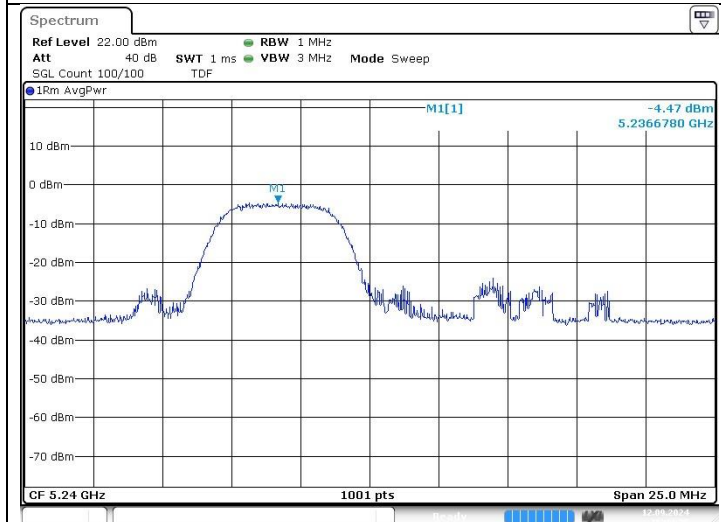


**High Channel (5 240 MHz)**

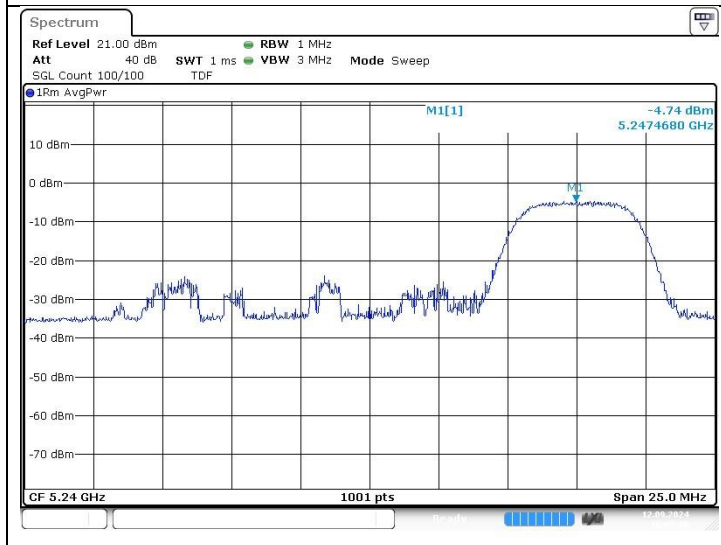
37 RU



38 RU

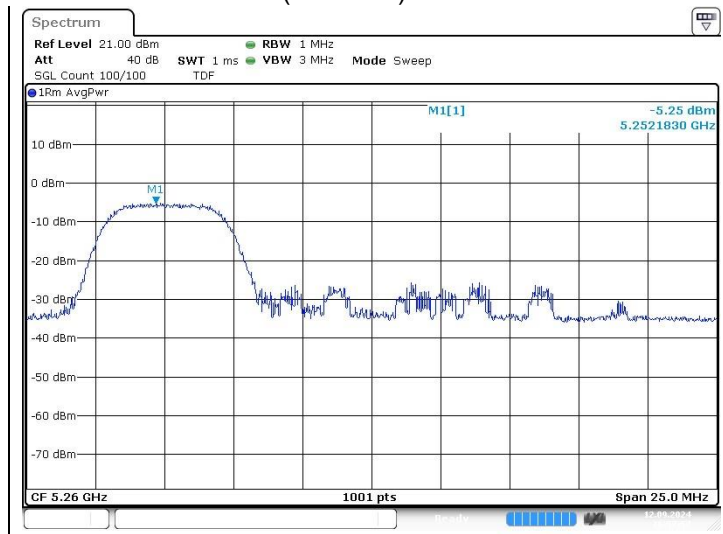


40 RU

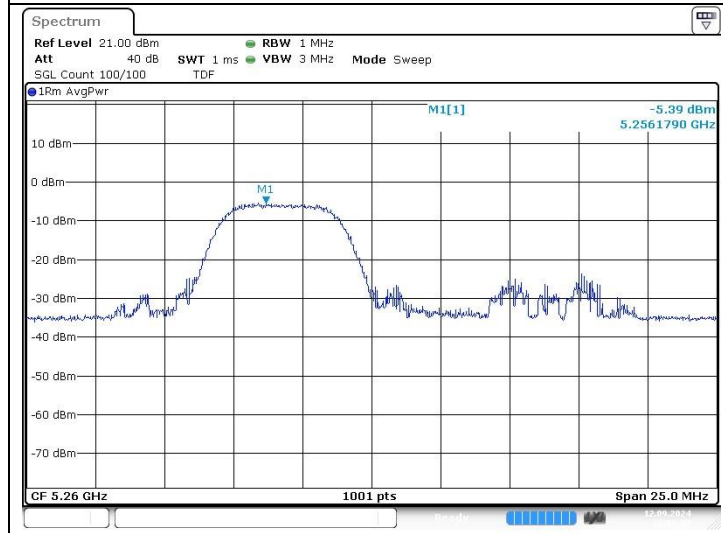


11ax\_HE20\_52T (Band 2A)

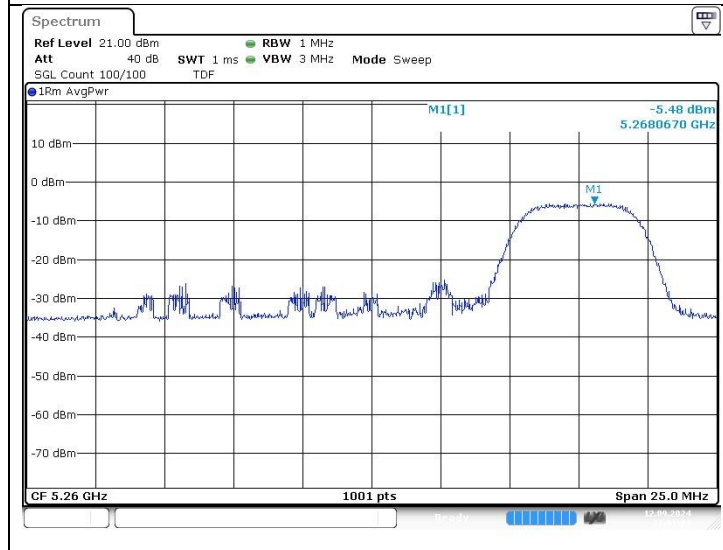
37 RU Low Channel (5 260 MHz)



38 RU

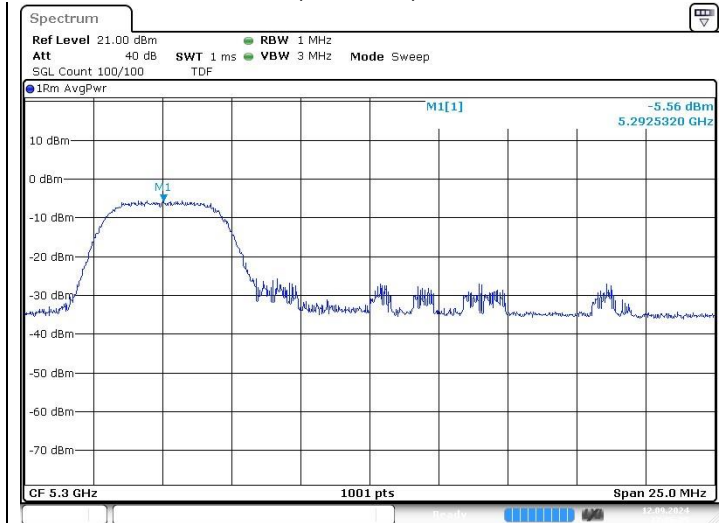


40 RU

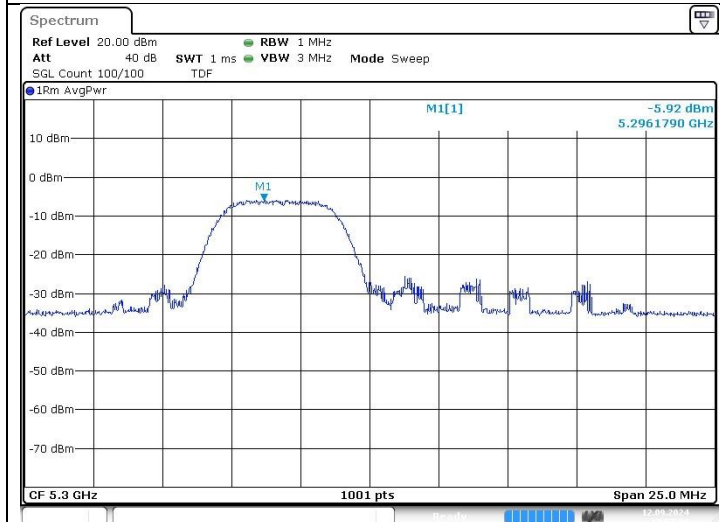


Middle Channel (5 300 MHz)

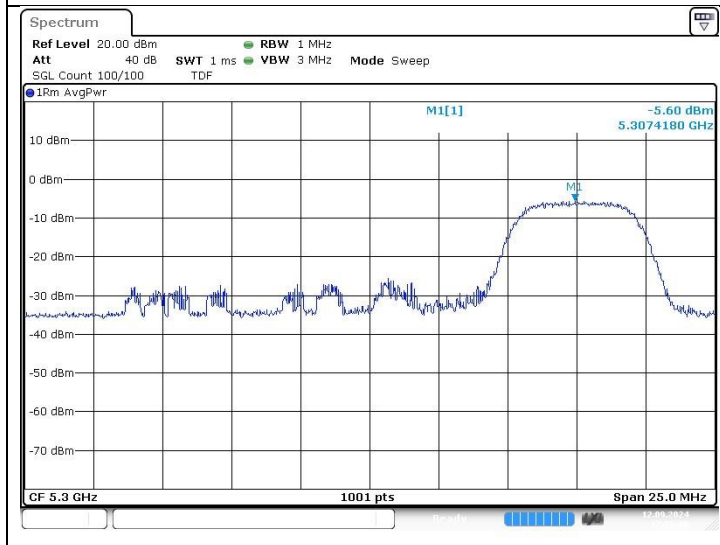
37 RU



38 RU

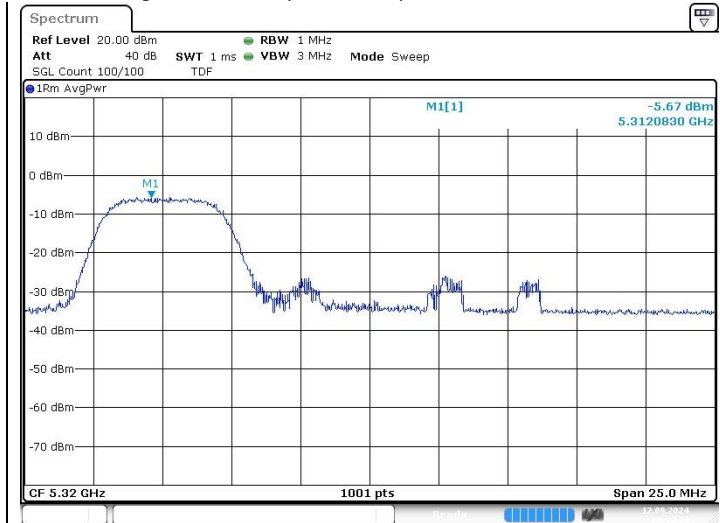


40 RU

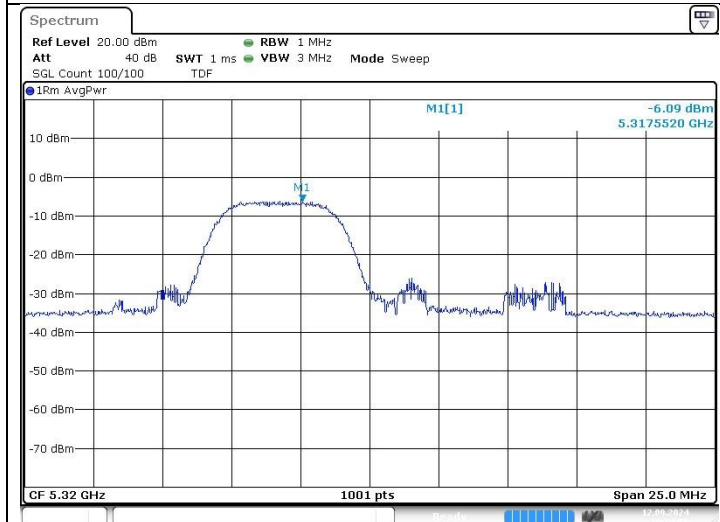


**High Channel (5 320 MHz)**

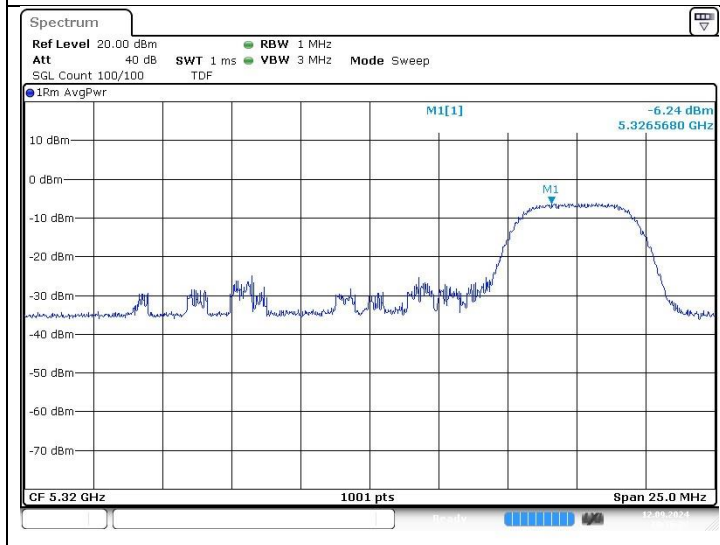
37 RU



38 RU

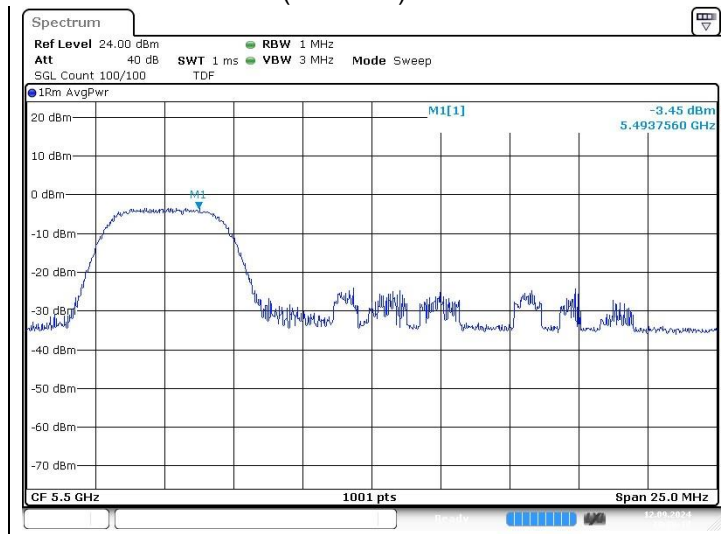


40 RU

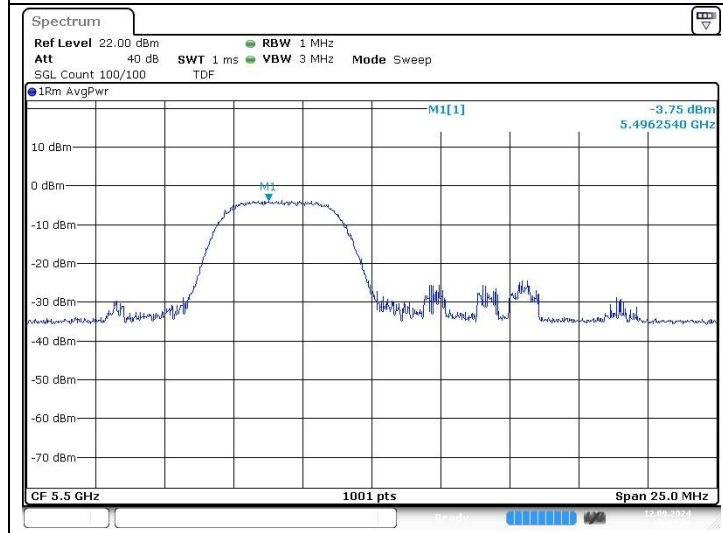


11ax\_HE20\_52T (Band 2C)

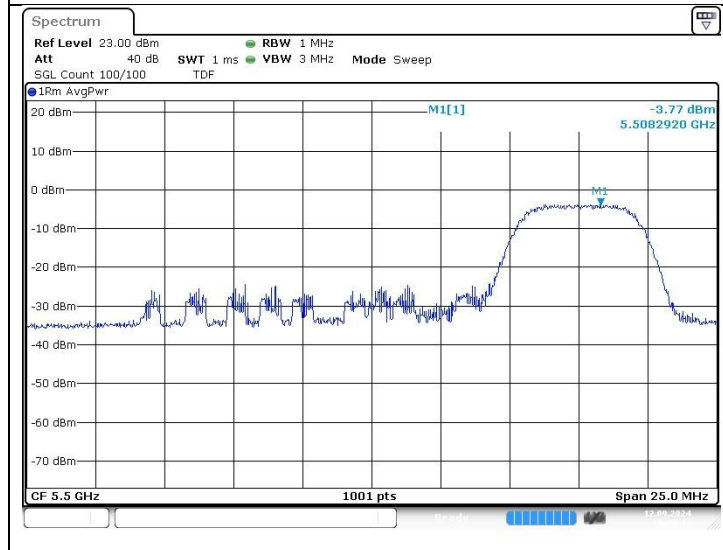
37 RU Low Channel (5 500 MHz)



38 RU



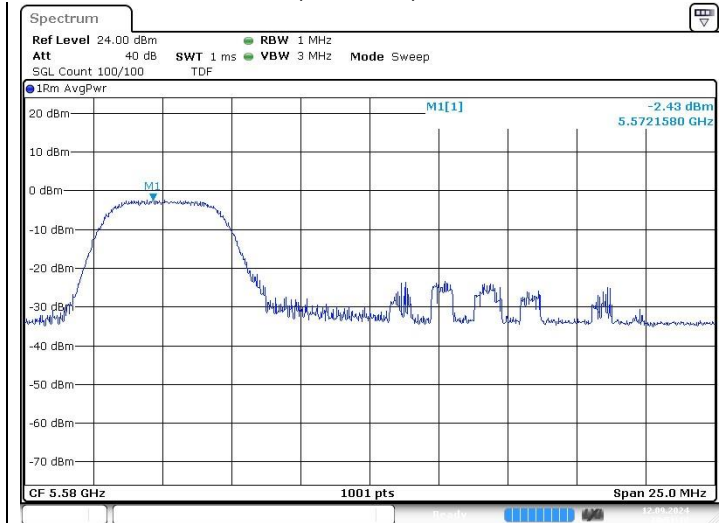
40 RU



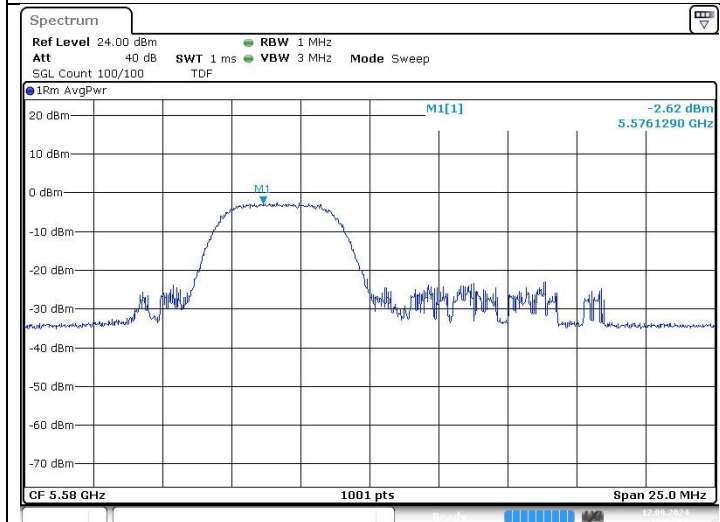


Middle Channel (5 580 MHz)

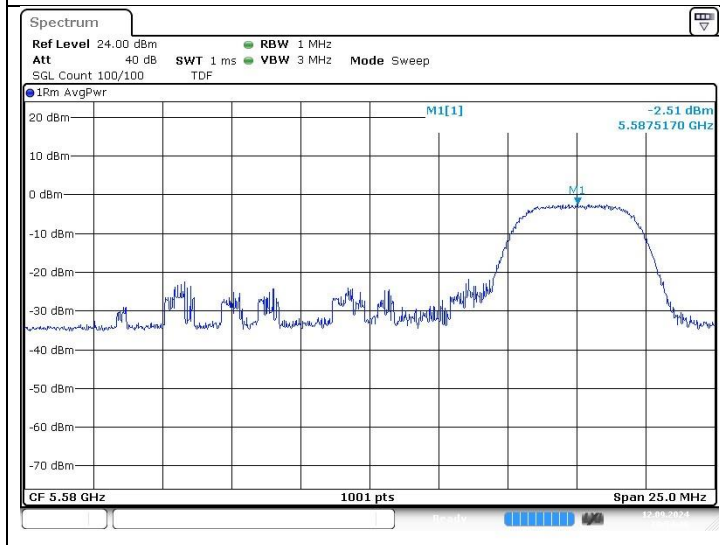
37 RU



38 RU

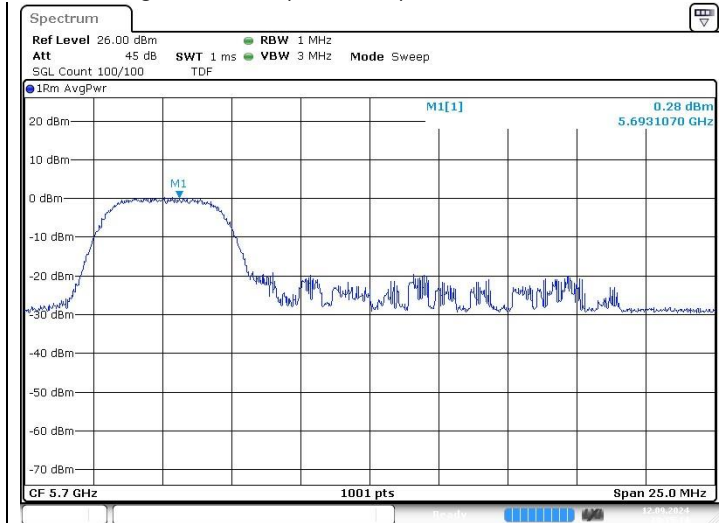


40 RU

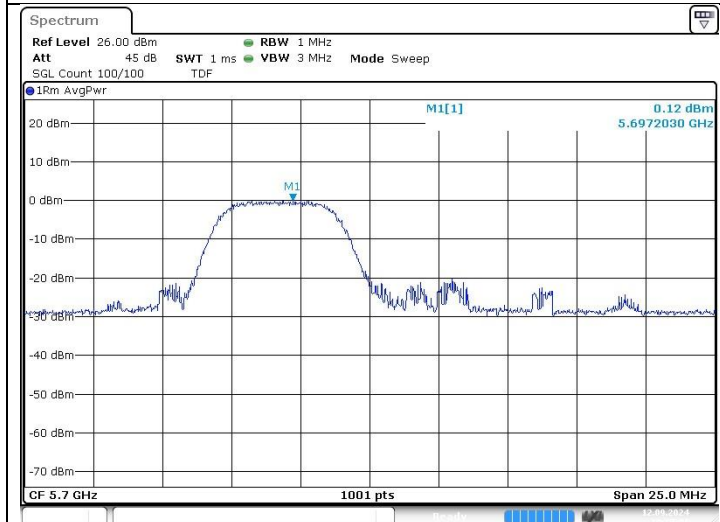


**High Channel (5 700 MHz)**

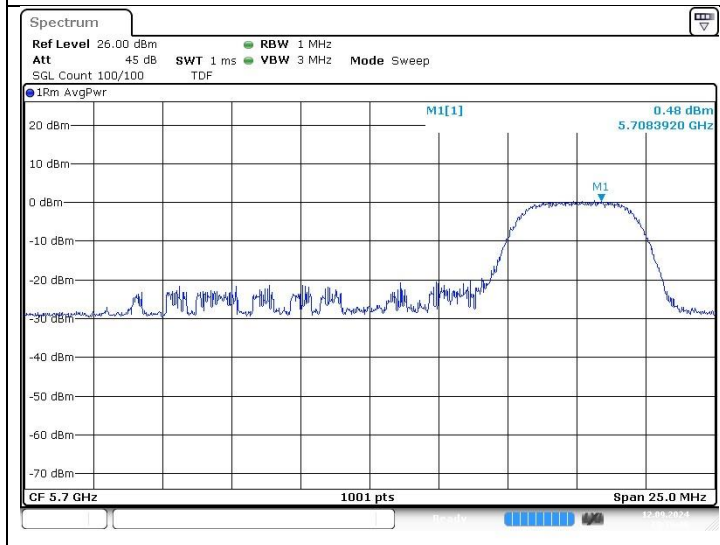
37 RU



38 RU

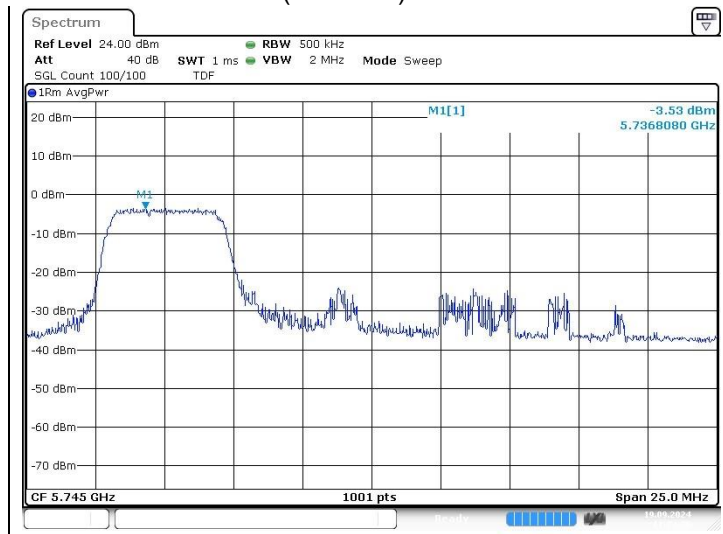


40 RU

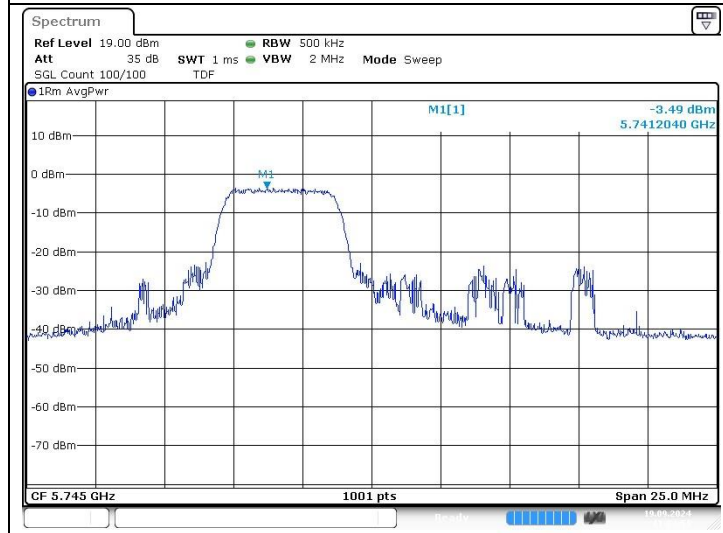


11ax\_HE20\_52T (Band 3)

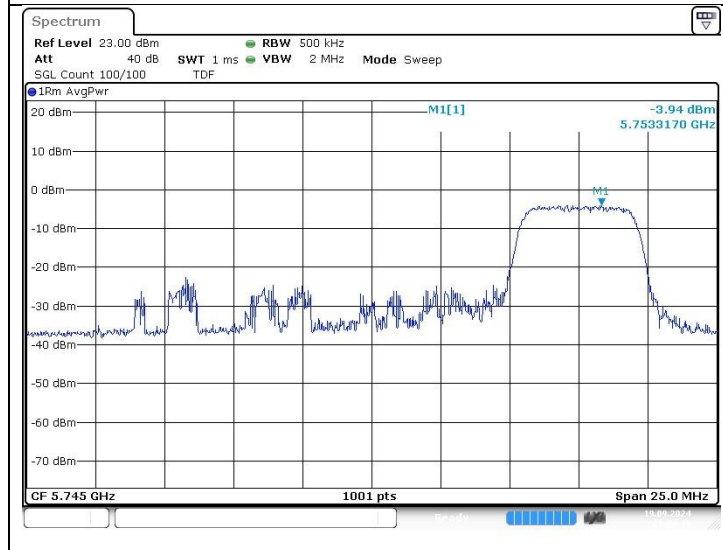
37 RU Low Channel (5 745 MHz)



38 RU

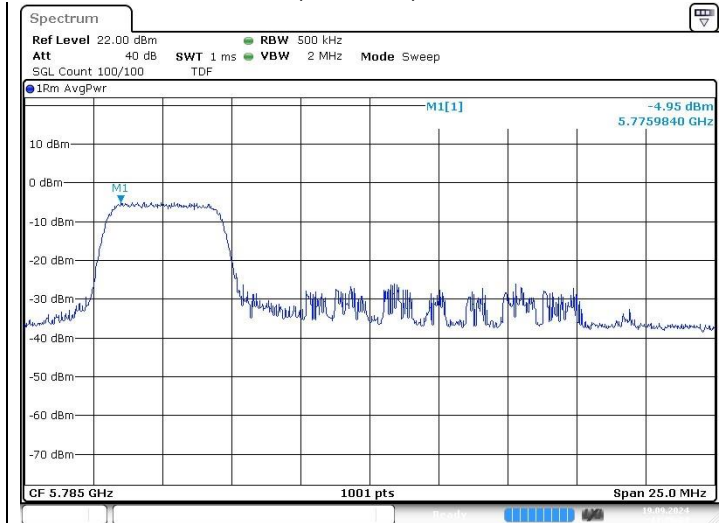


40 RU

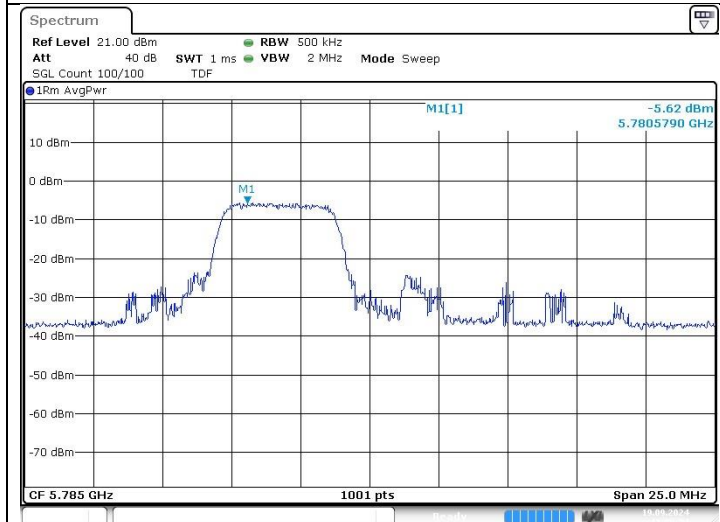


Middle Channel (5 785 MHz)

37 RU



38 RU



40 RU

