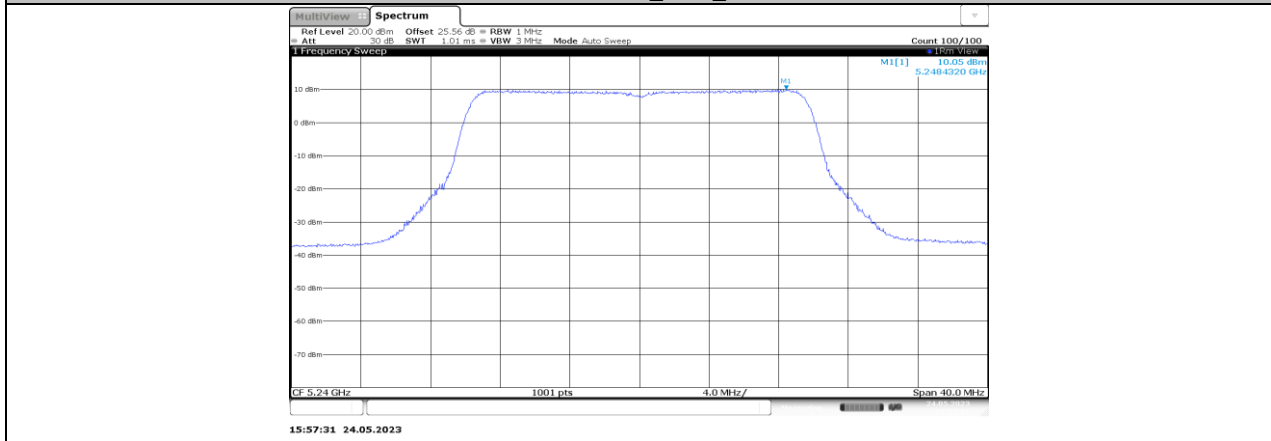
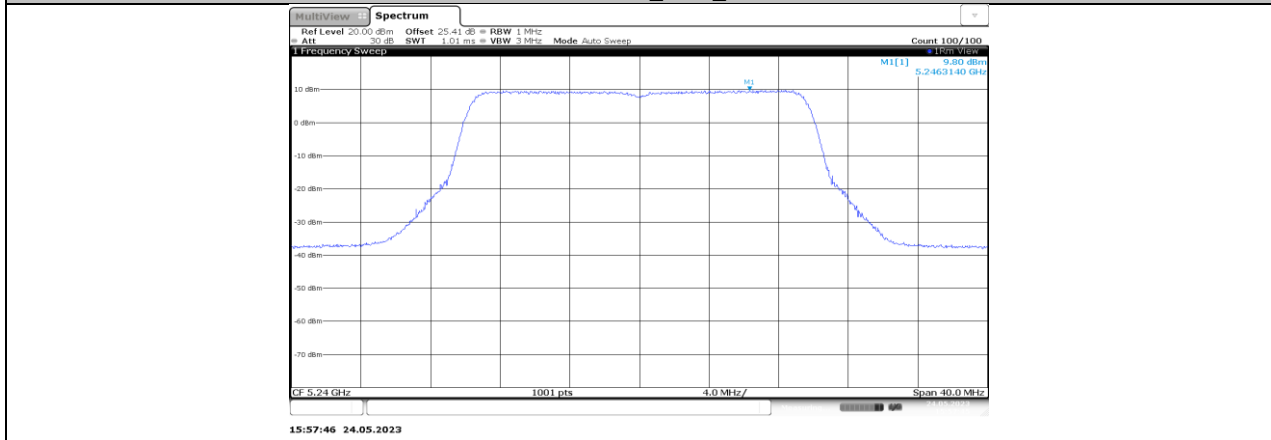


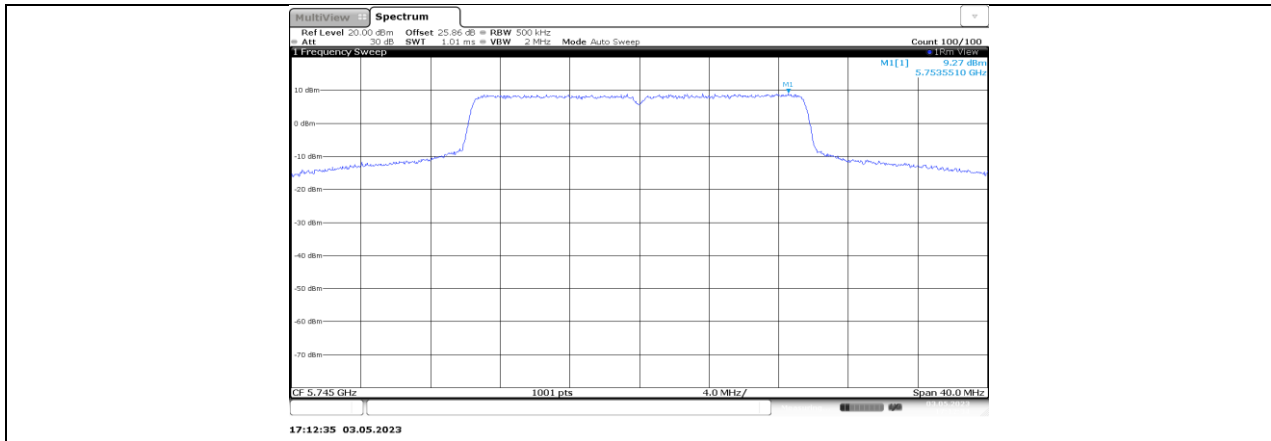
11AX20MIMO\_Ant4\_5200



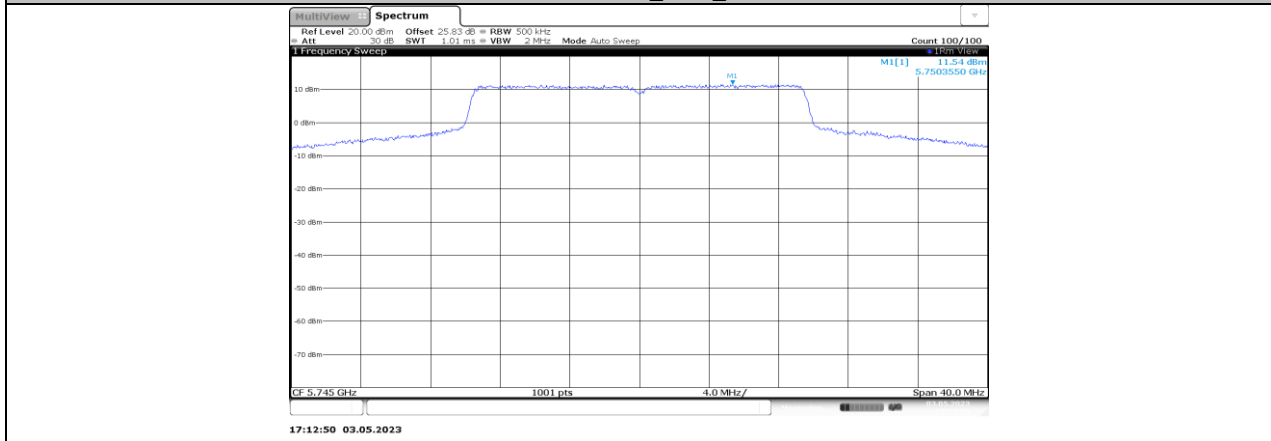
11AX20MIMO\_Ant1\_5240



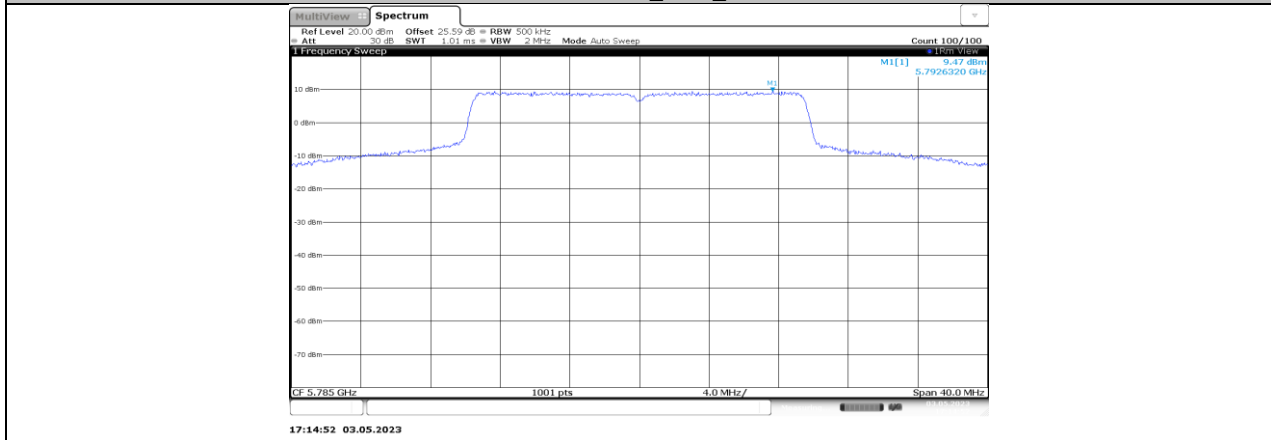
11AX20MIMO\_Ant4\_5240



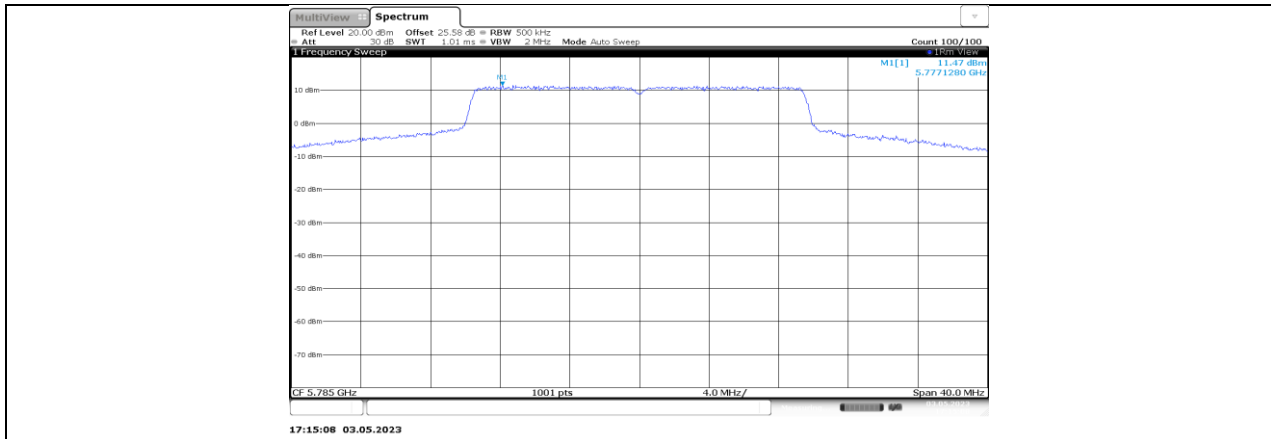
11AX20MIMO\_Ant1\_5745



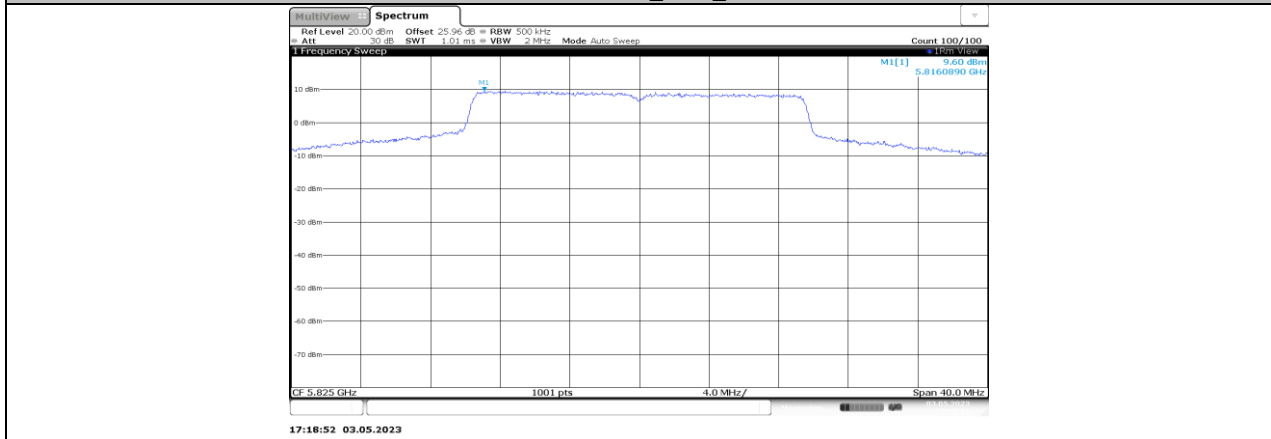
11AX20MIMO\_Ant4\_5745



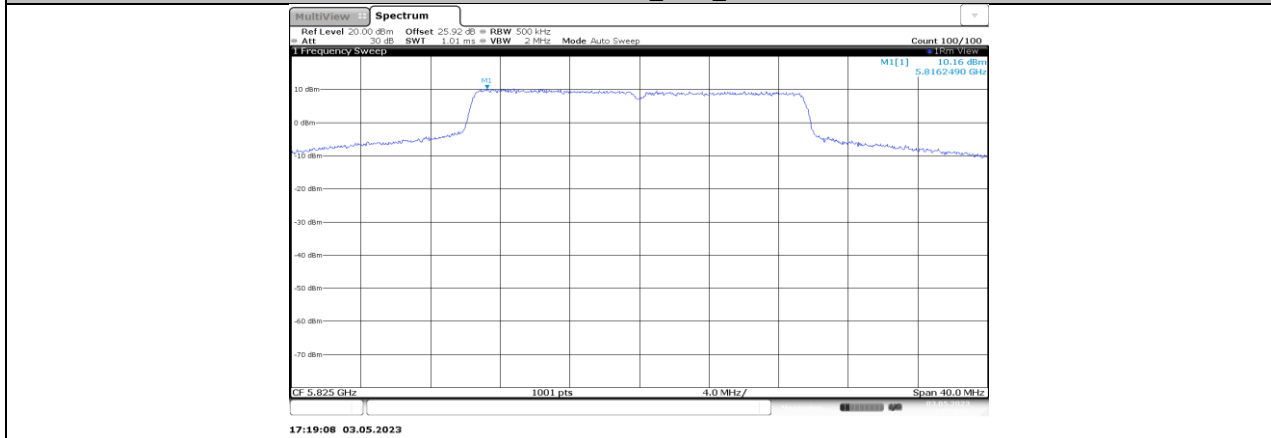
11AX20MIMO\_Ant1\_5785



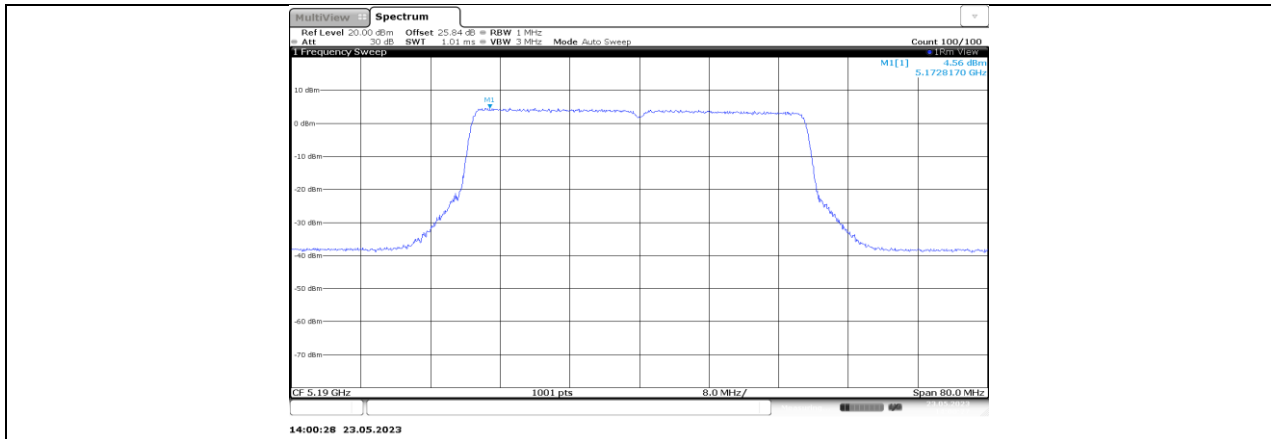
11AX20MIMO\_Ant4\_5785



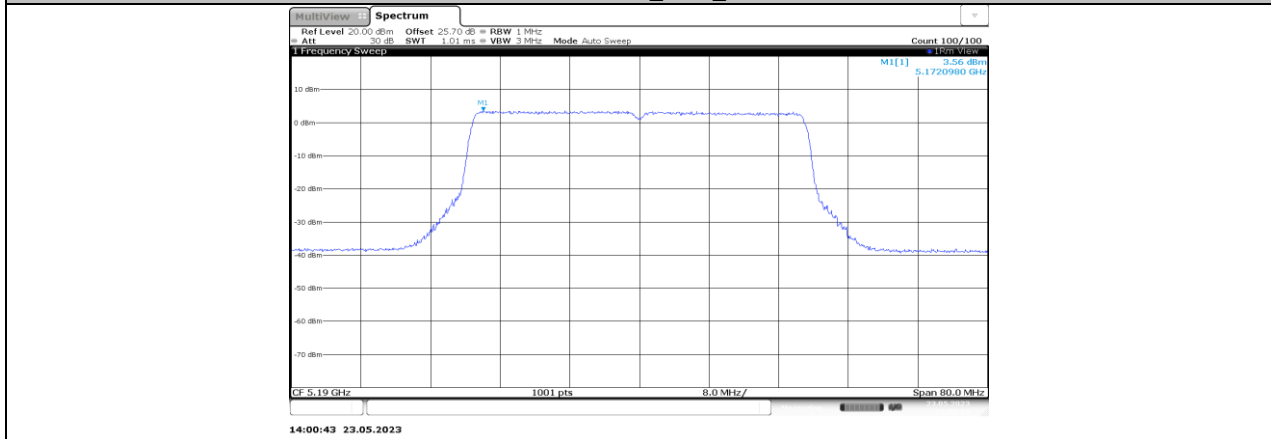
11AX20MIMO\_Ant1\_5825



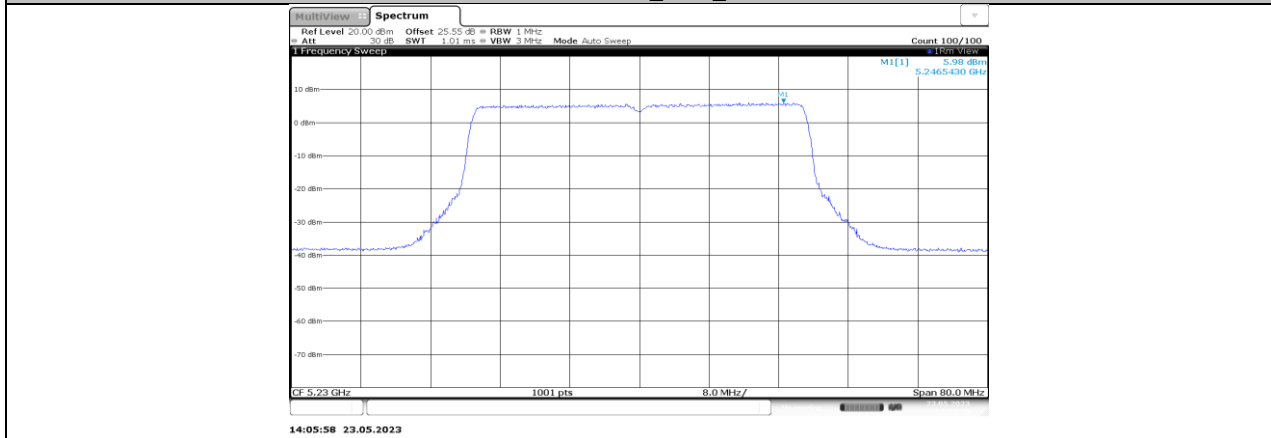
11AX20MIMO\_Ant4\_5825



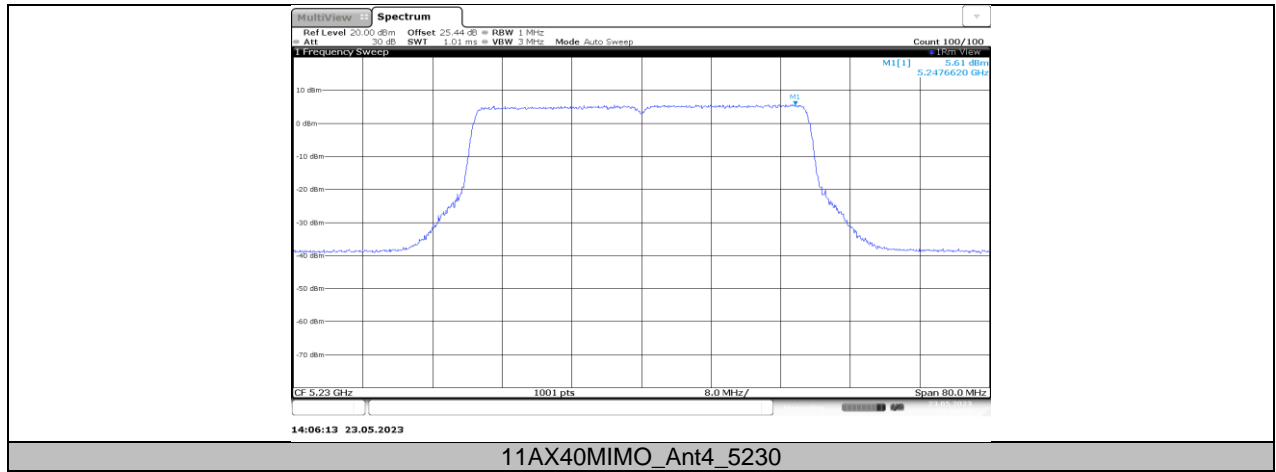
11AX40MIMO\_Ant1\_5190

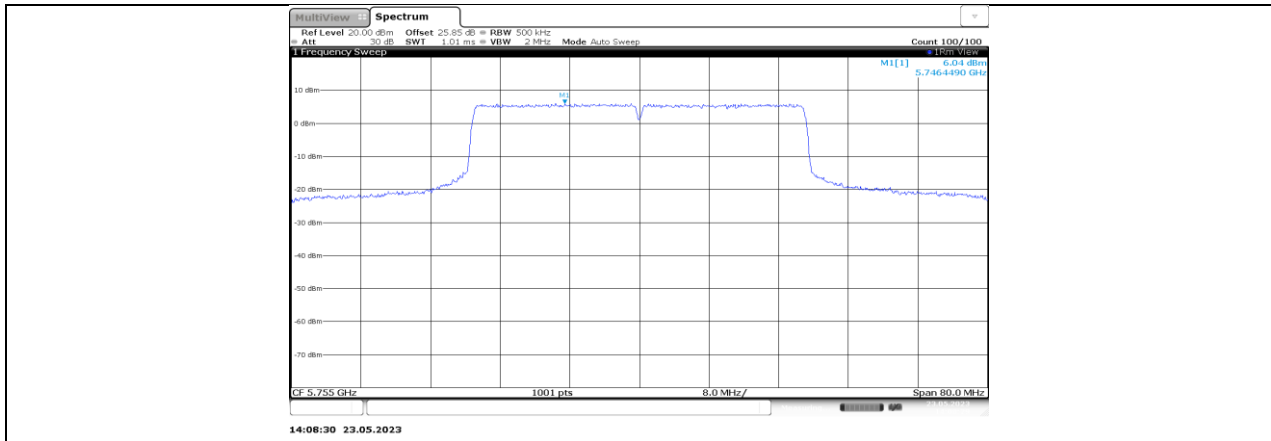


11AX40MIMO\_Ant4\_5190

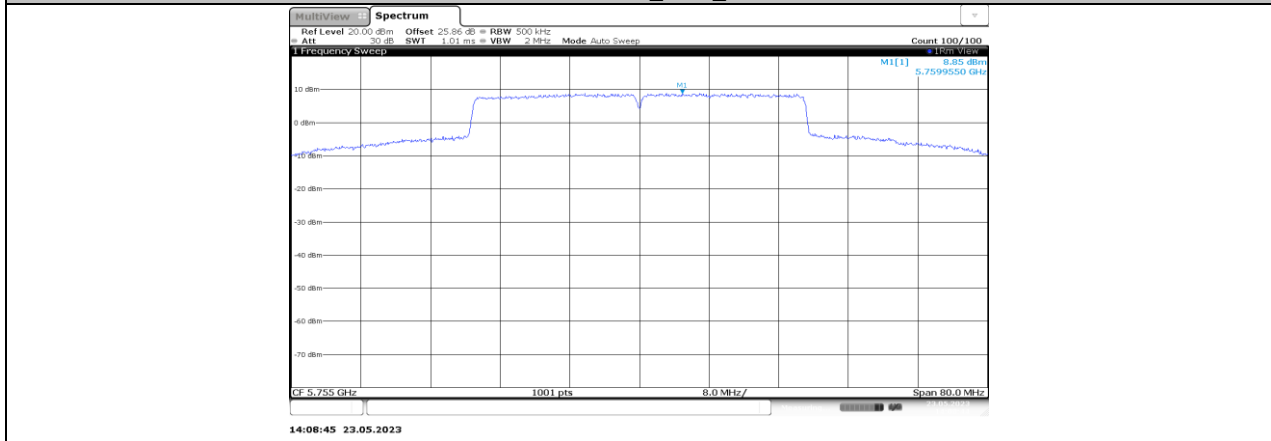


11AX40MIMO\_Ant1\_5230

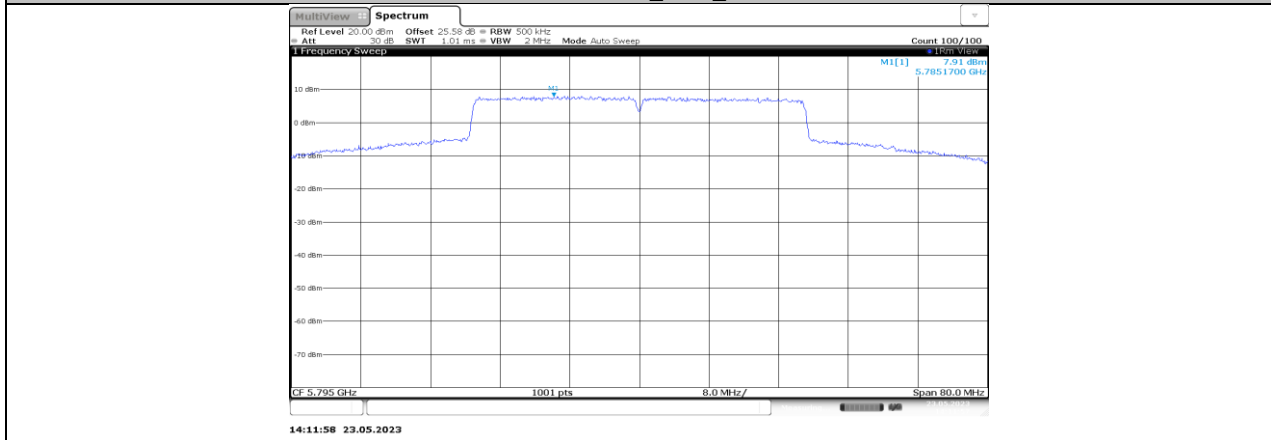




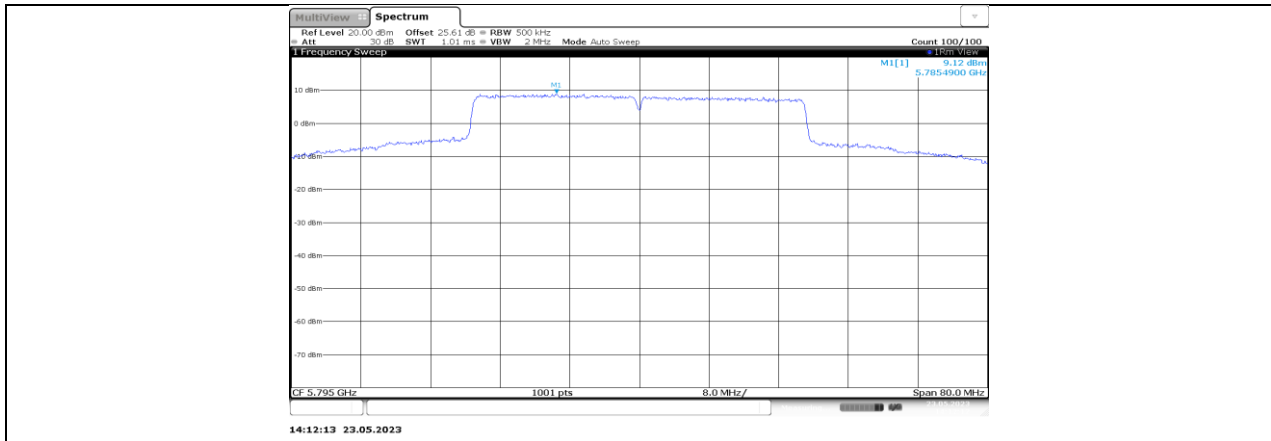
11AX40MIMO\_Ant1\_5755



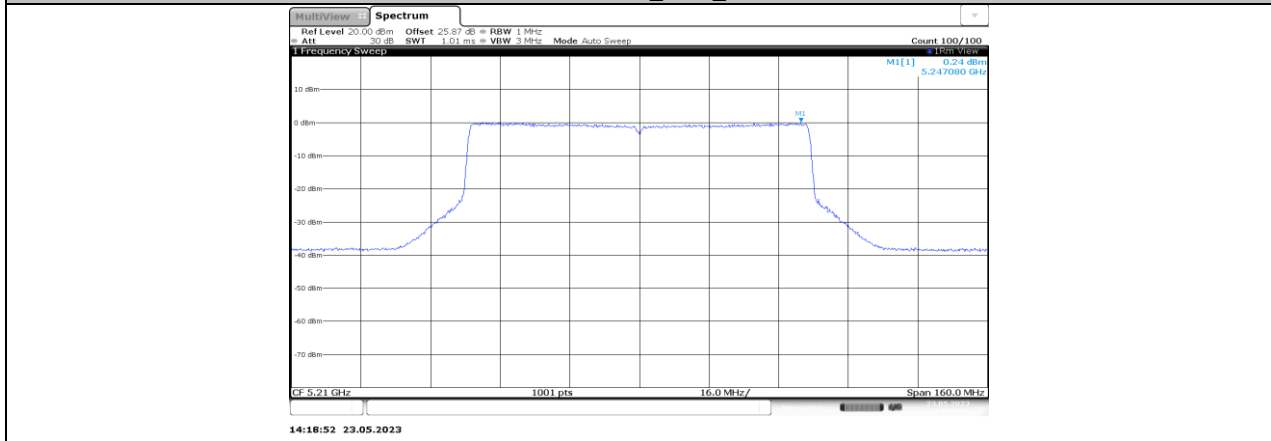
11AX40MIMO\_Ant4\_5755



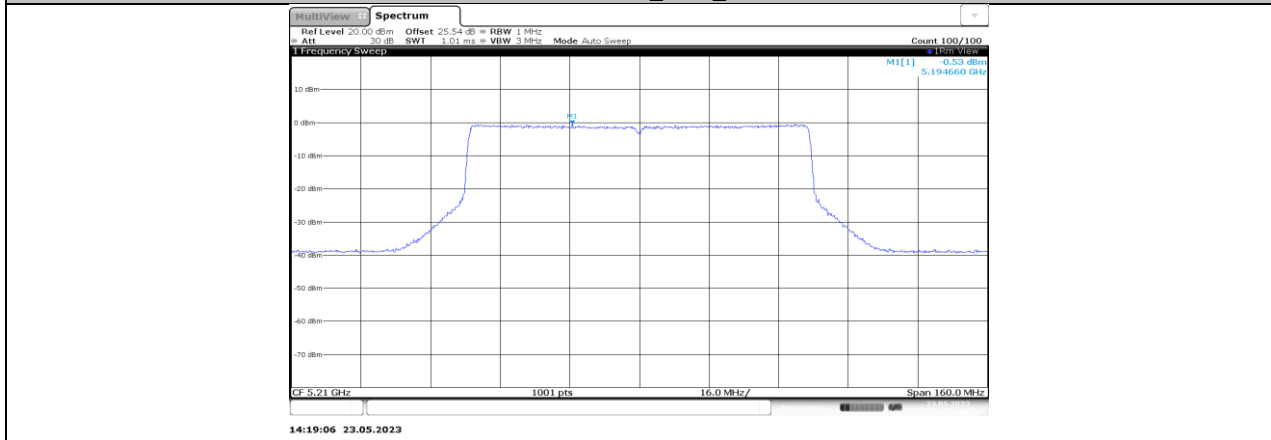
11AX40MIMO\_Ant1\_5795



11AX40MIMO\_Ant4\_5795

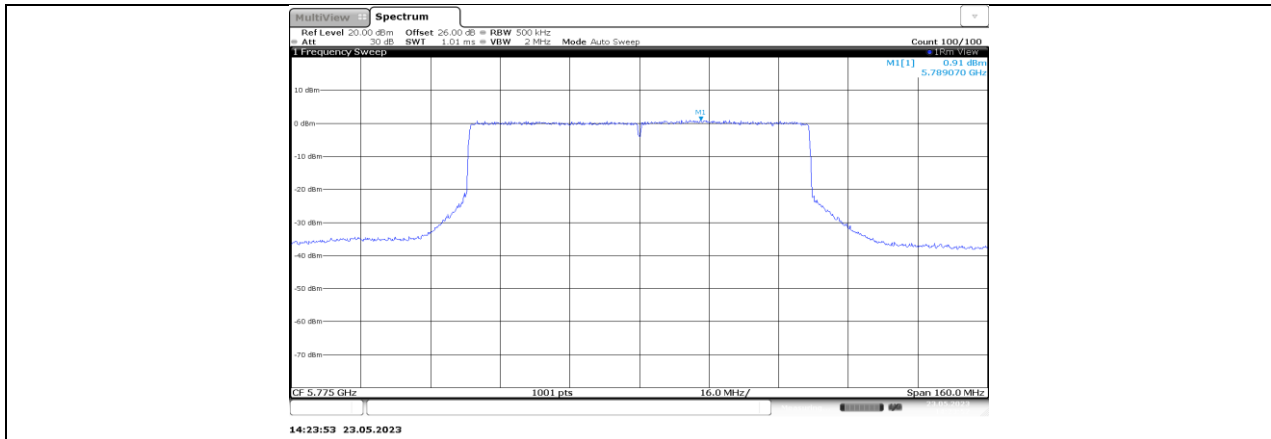


11AX80MIMO\_Ant1\_5210

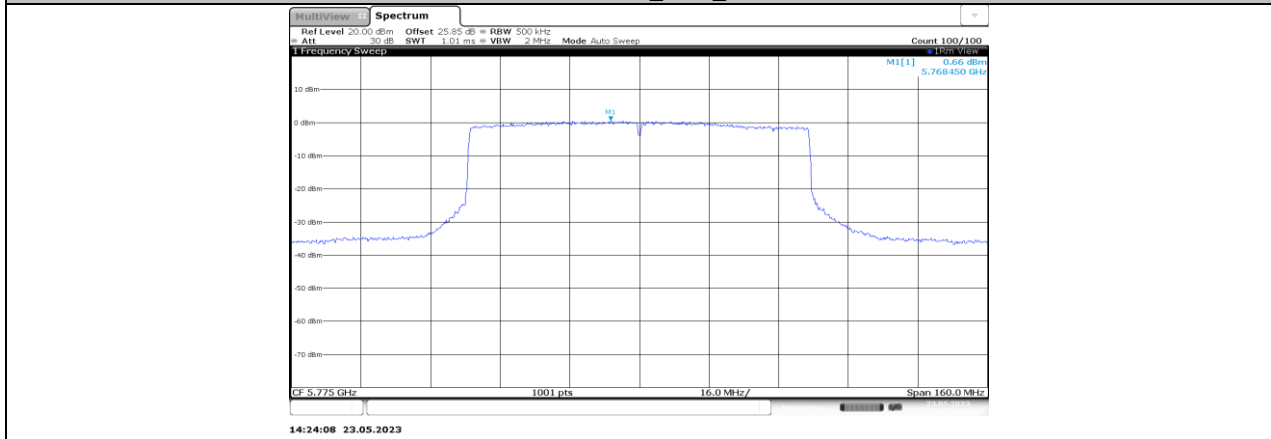


11AX80MIMO\_Ant4\_5210

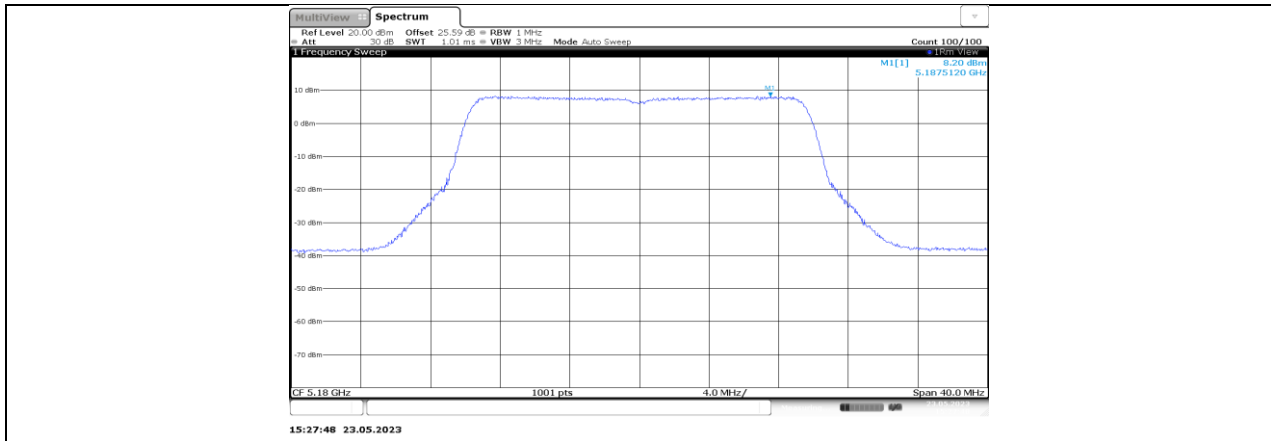




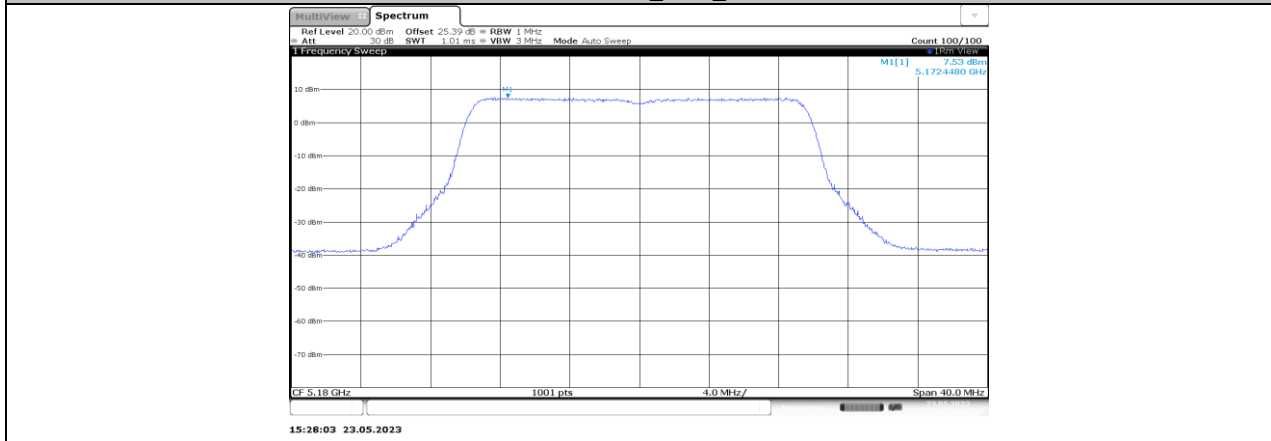
11AX80MIMO\_Ant1\_5775



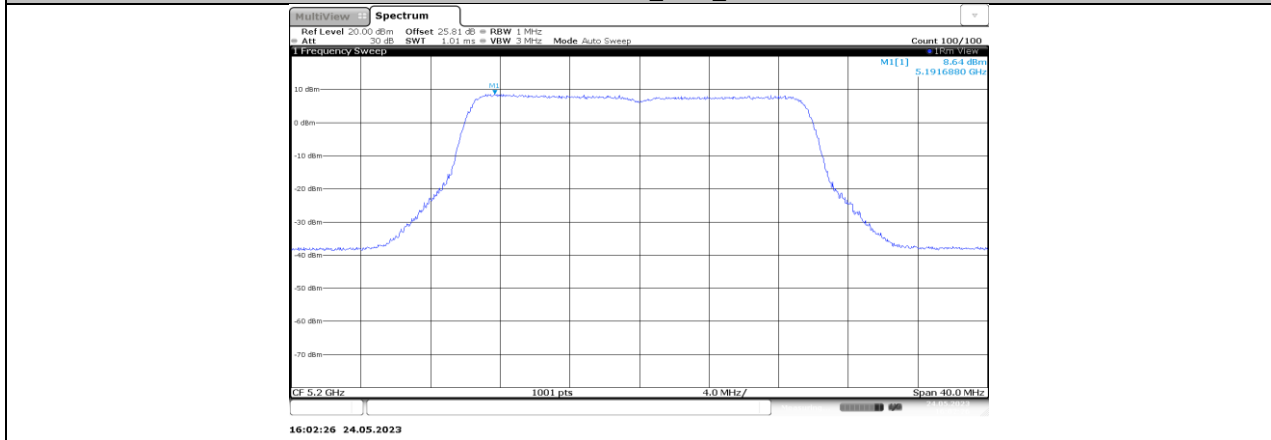
11AX80MIMO\_Ant4\_5775



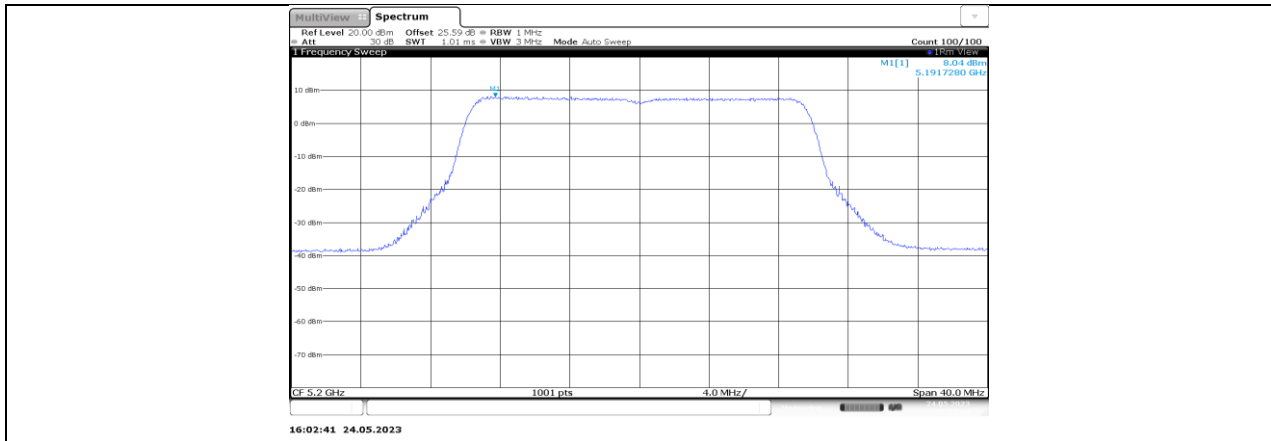
11BE20MIMO\_Ant1\_5180



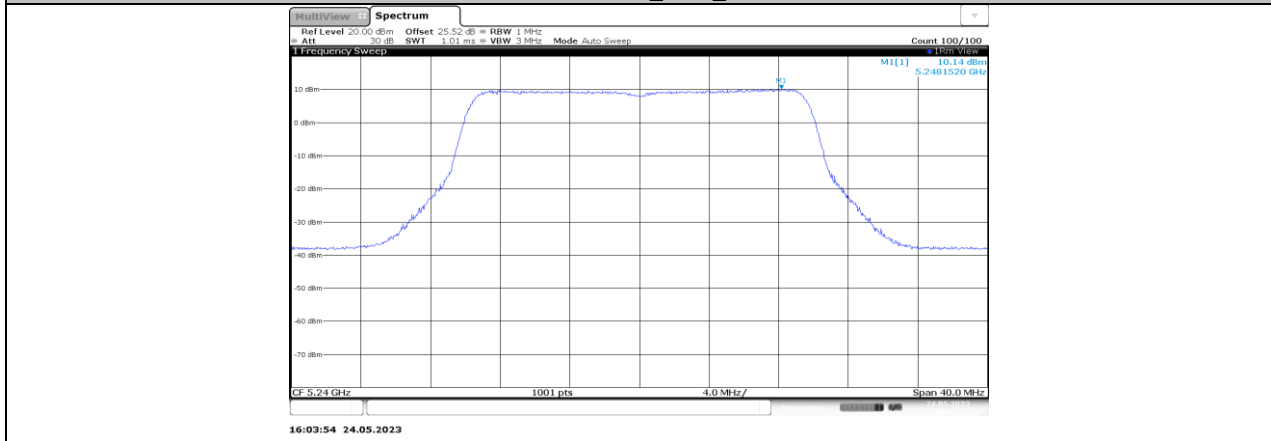
11BE20MIMO\_Ant4\_5180



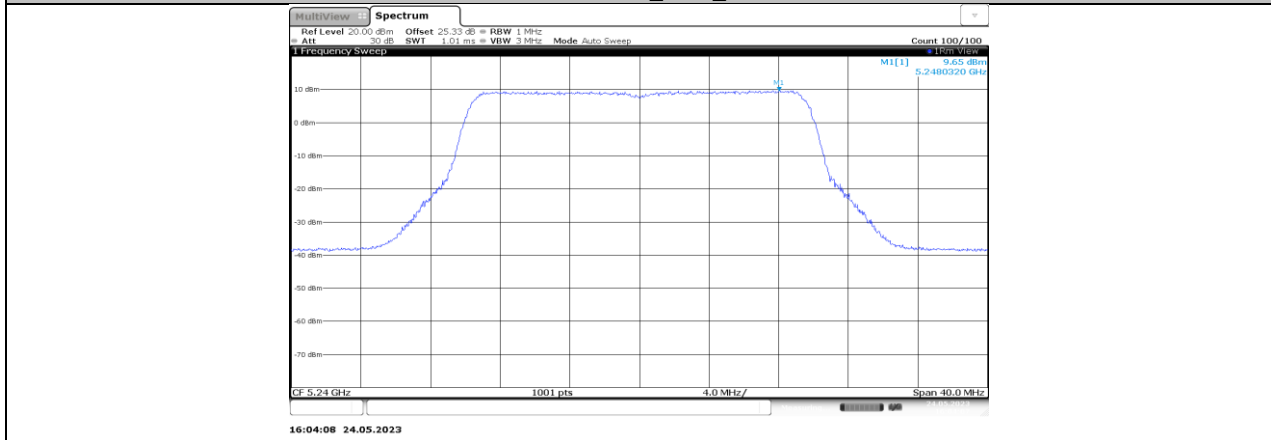
11BE20MIMO\_Ant1\_5200



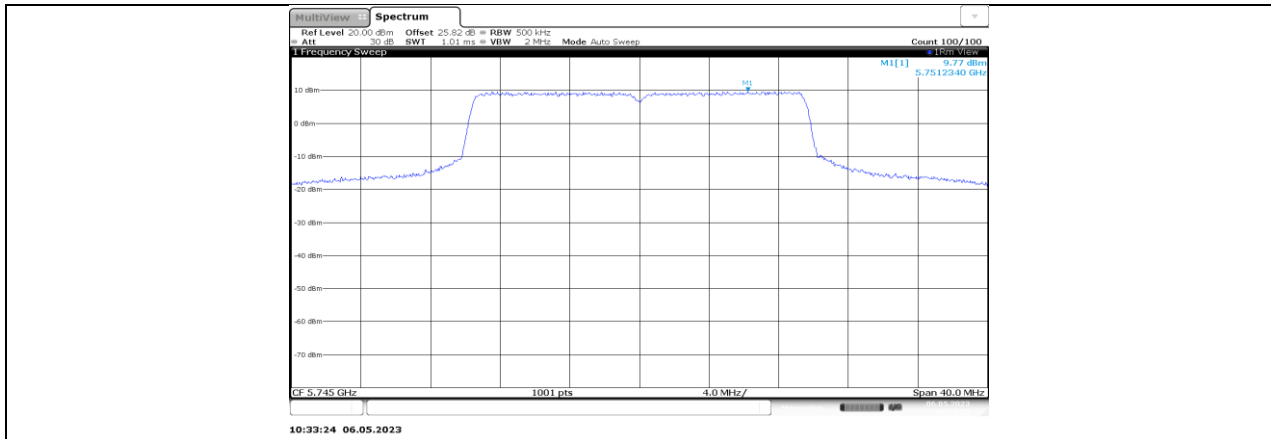
11BE20MIMO\_Ant4\_5200



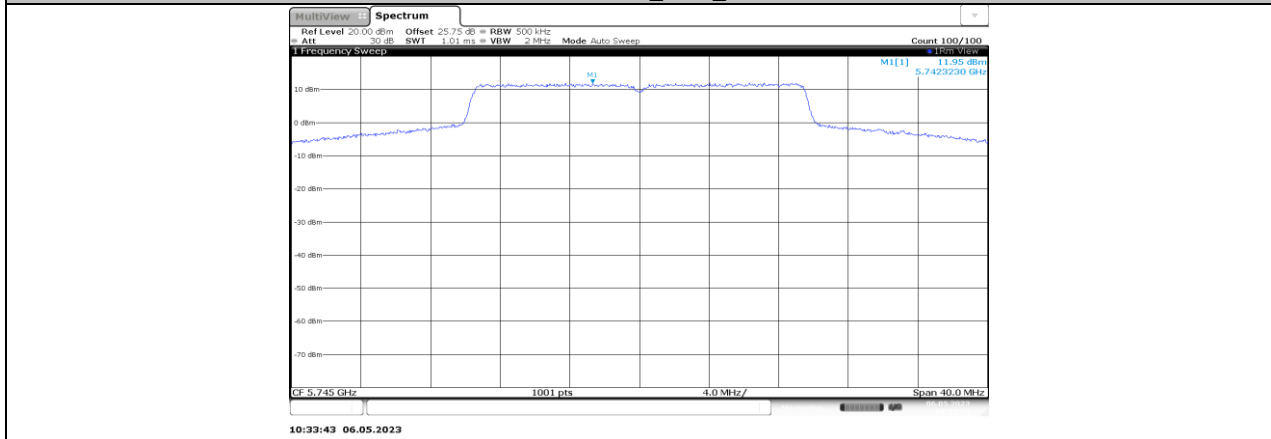
11BE20MIMO\_Ant1\_5240



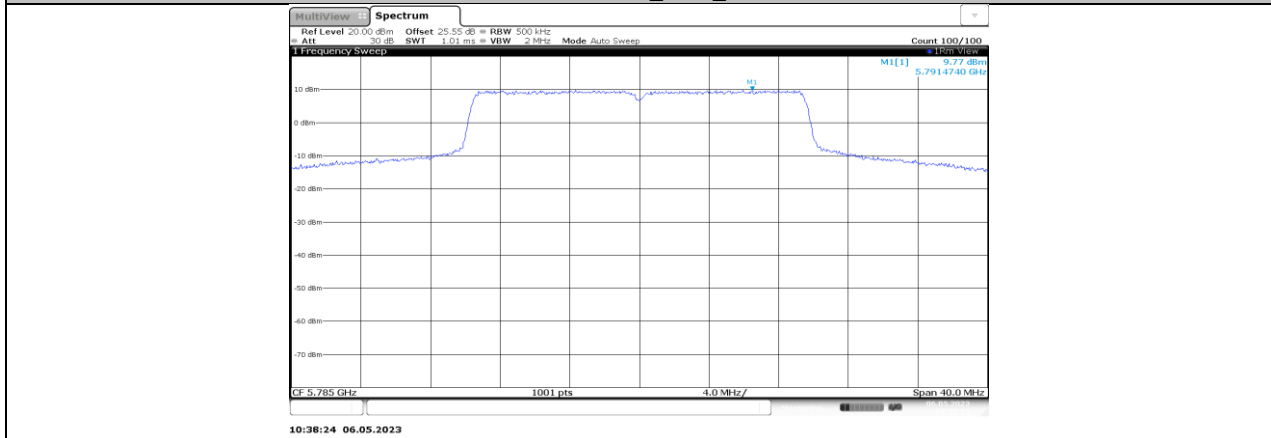
11BE20MIMO\_Ant4\_5240



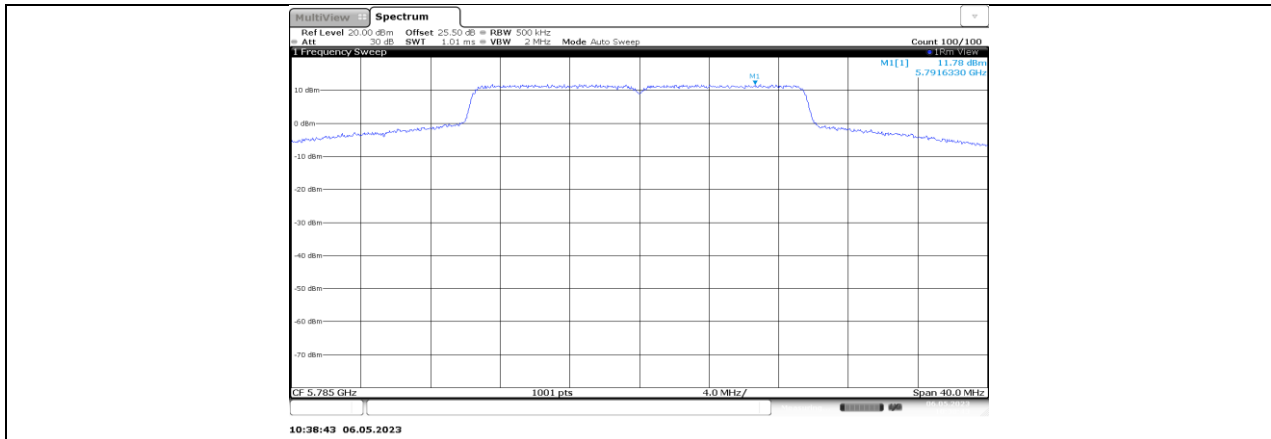
11BE20MIMO\_Ant1\_5745



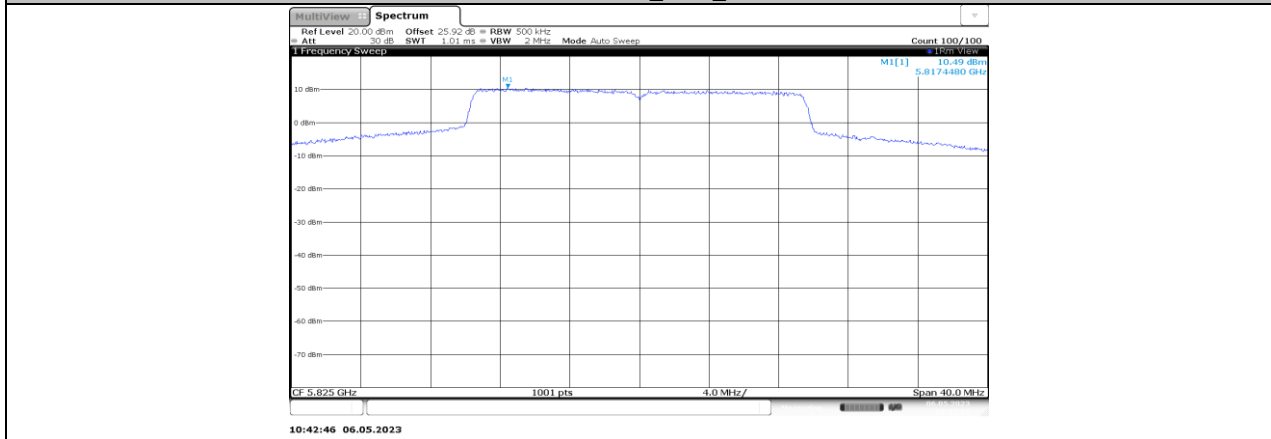
11BE20MIMO\_Ant4\_5745



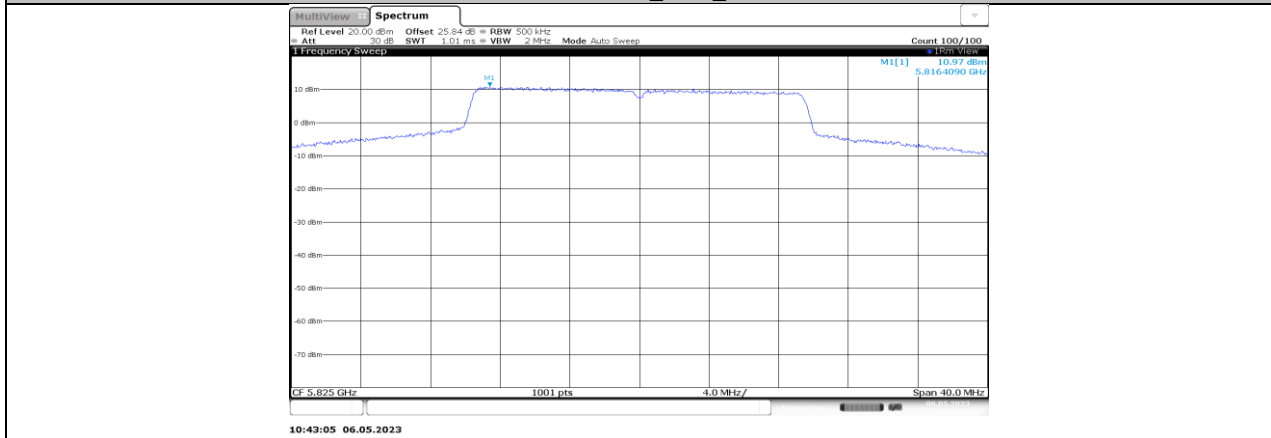
11BE20MIMO\_Ant1\_5785



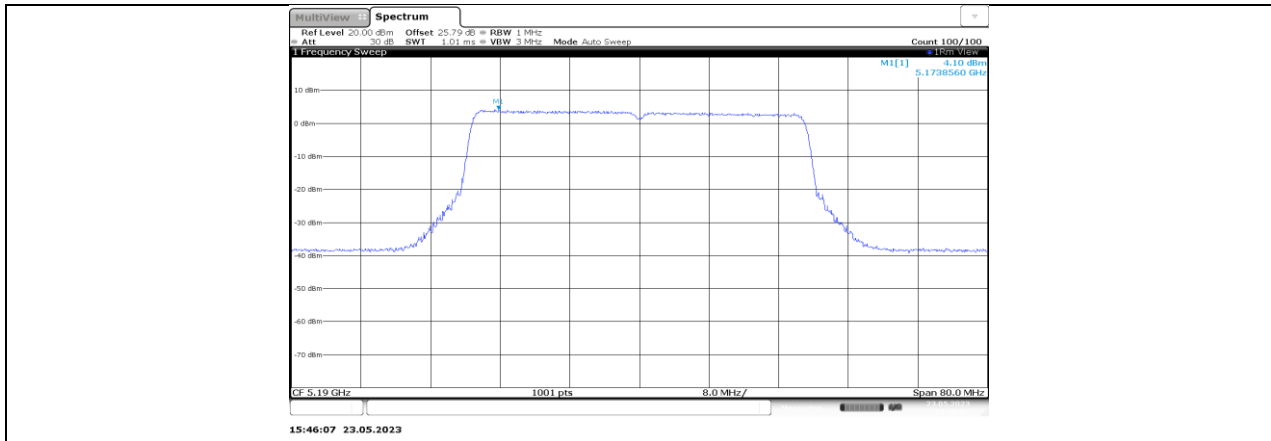
11BE20MIMO\_Ant4\_5785



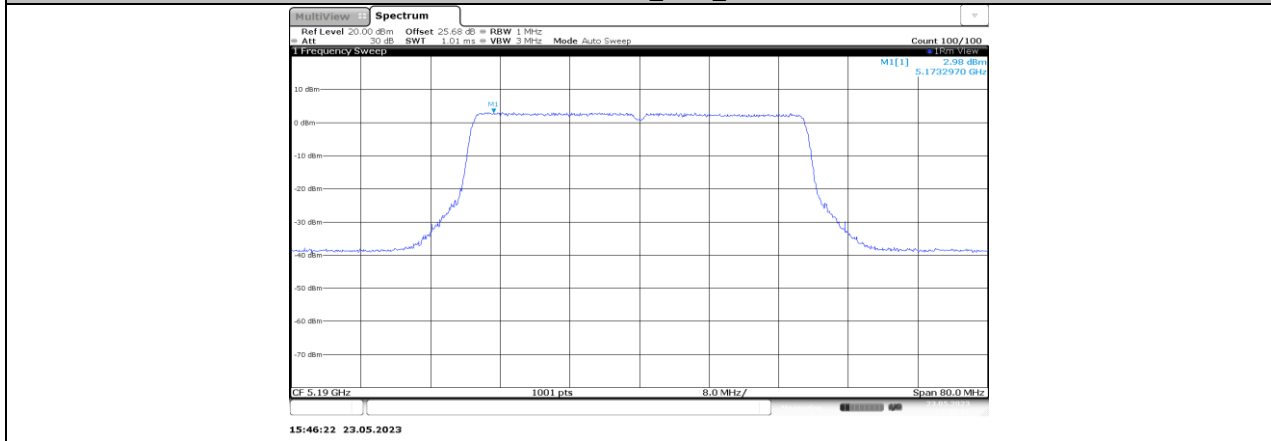
11BE20MIMO\_Ant1\_5825



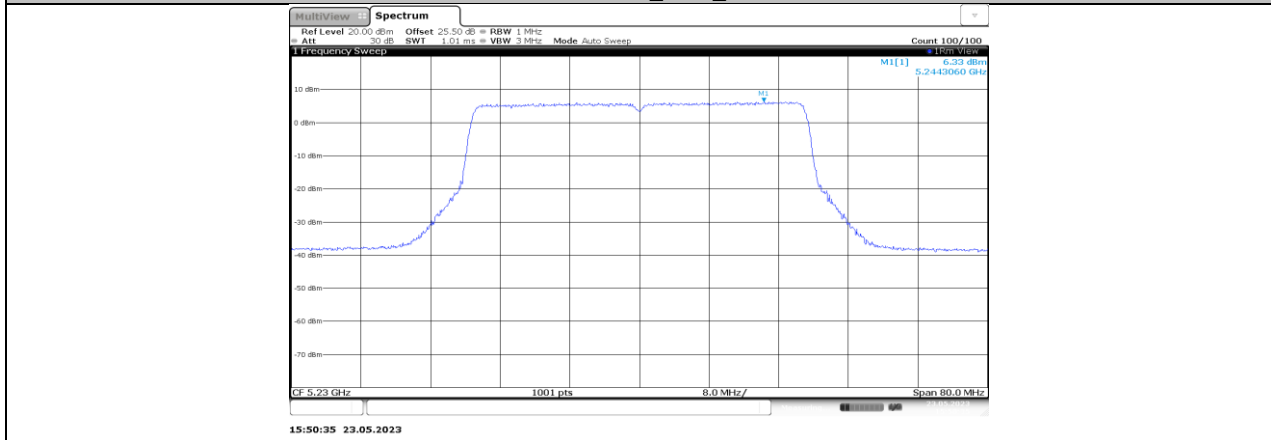
11BE20MIMO\_Ant4\_5825



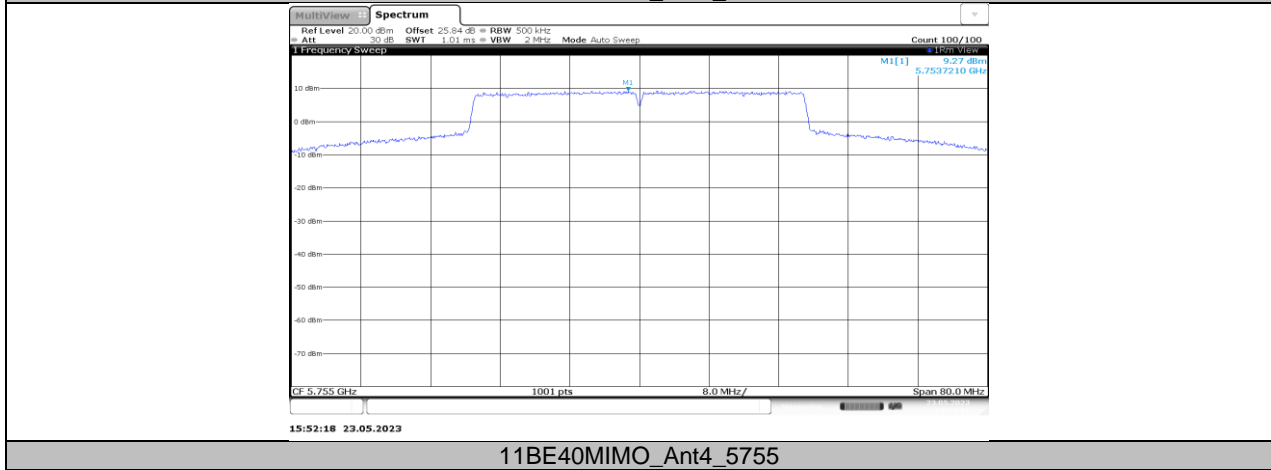
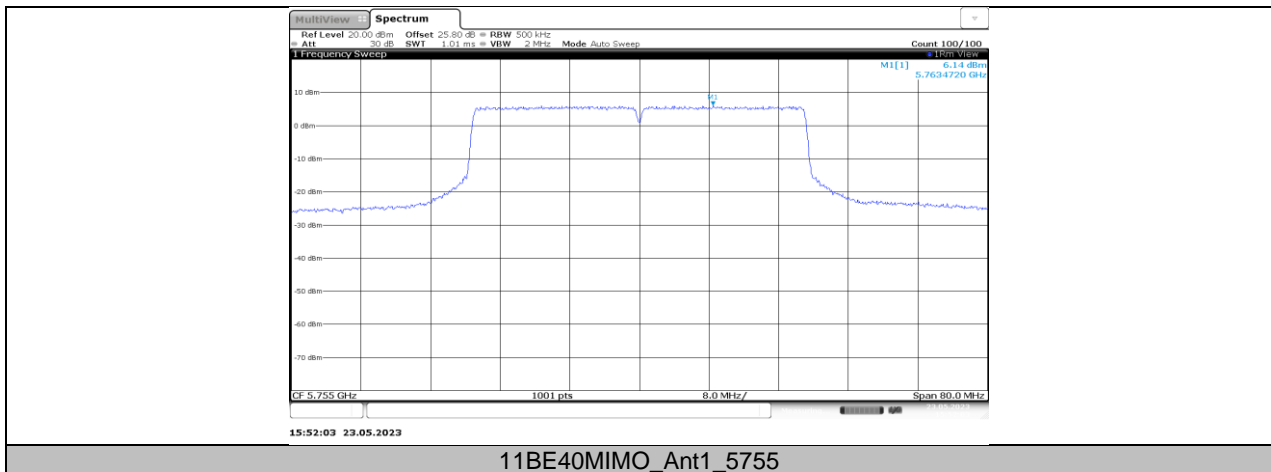
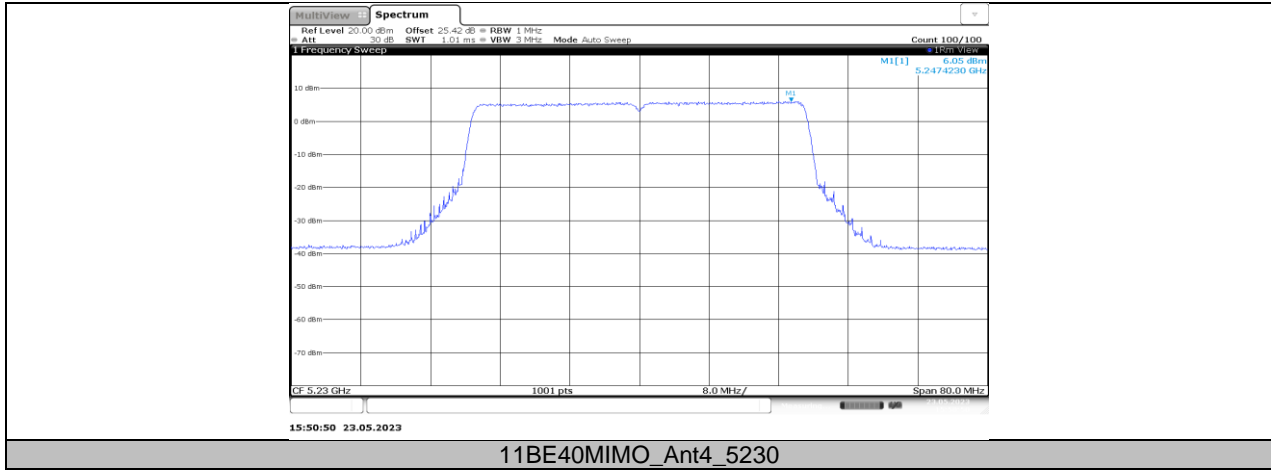
11BE40MIMO\_Ant1\_5190

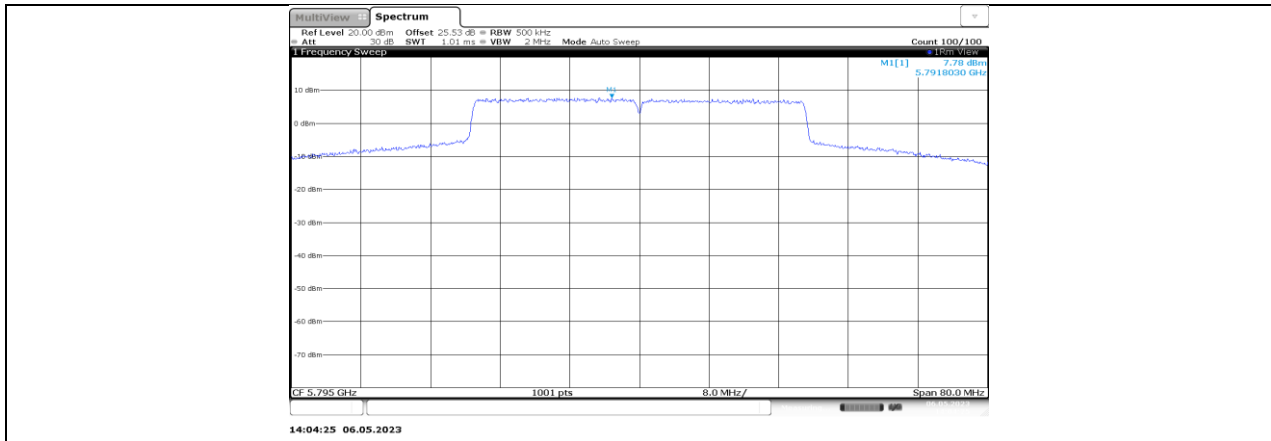


11BE40MIMO\_Ant4\_5190

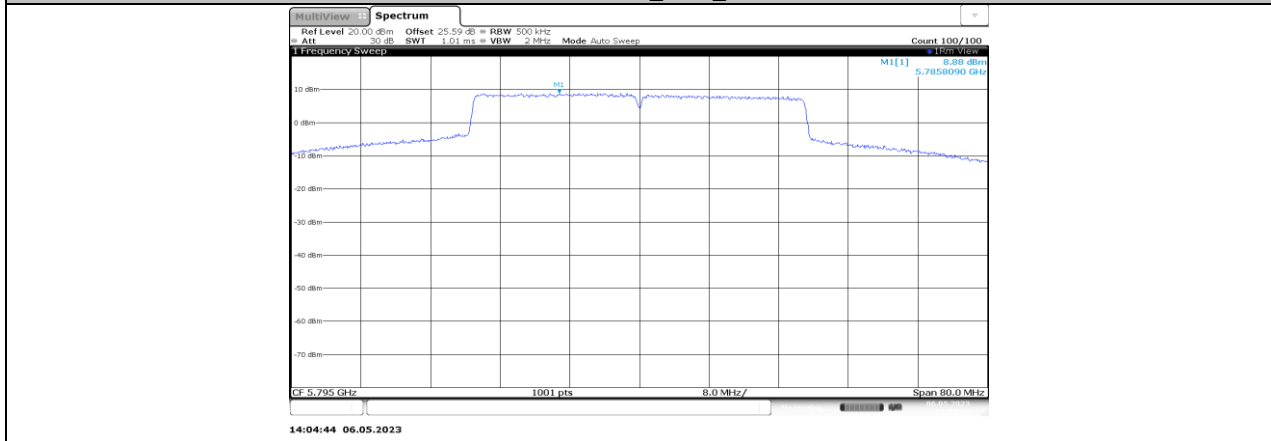


11BE40MIMO\_Ant1\_5230

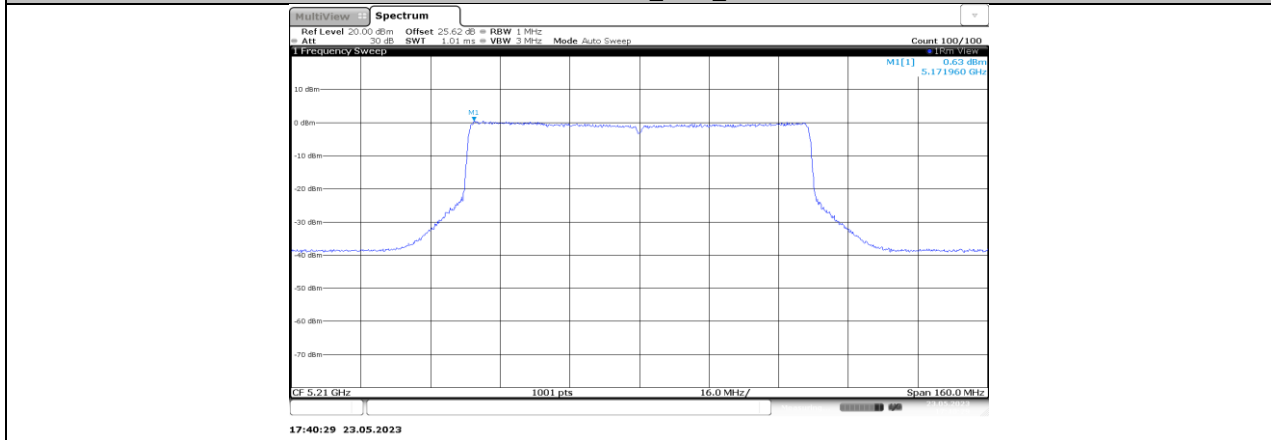




11BE40MIMO\_Ant1\_5795

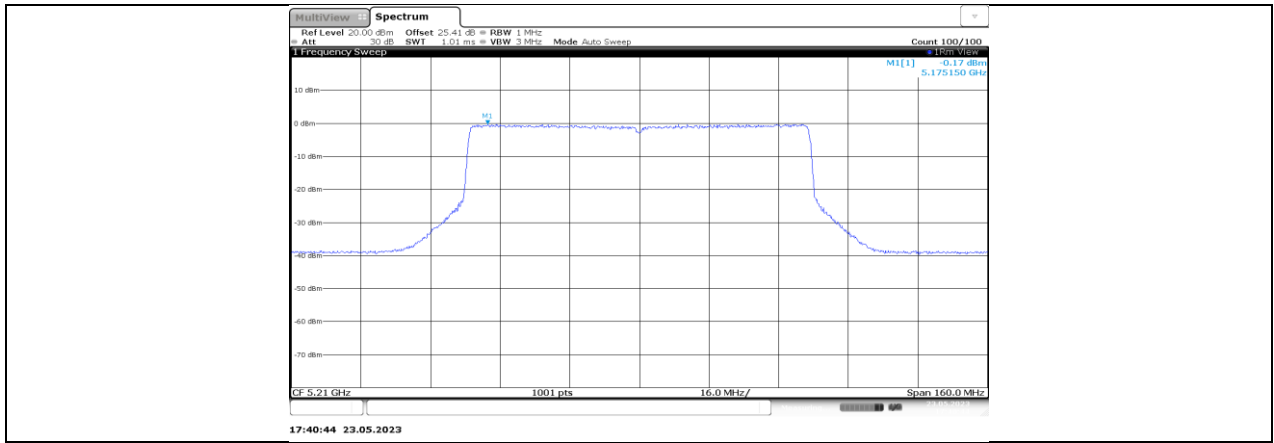


11BE40MIMO\_Ant4\_5795

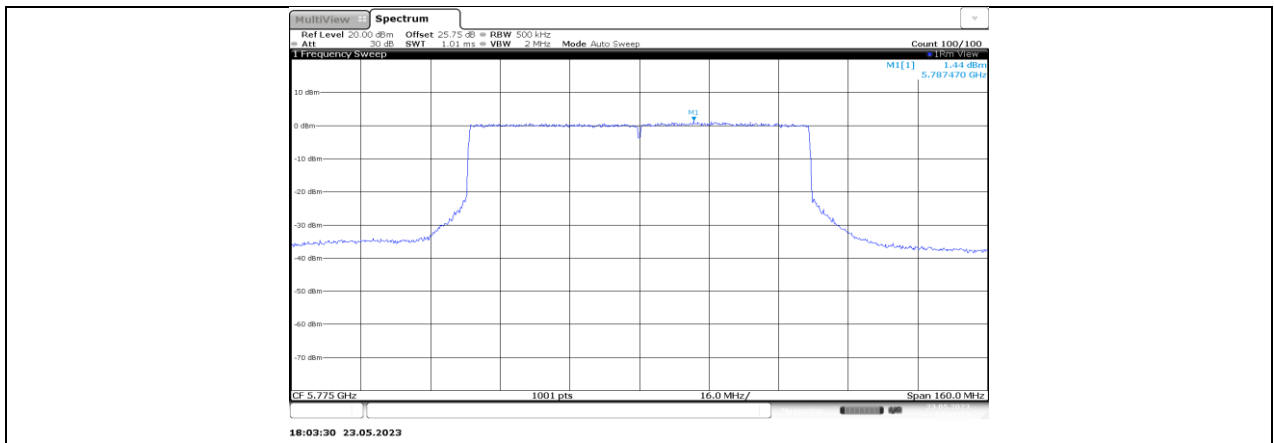


11BE80MIMO\_Ant1\_5210





11BE80MIMO\_Ant4\_5210



11BE80MIMO\_Ant1\_5775

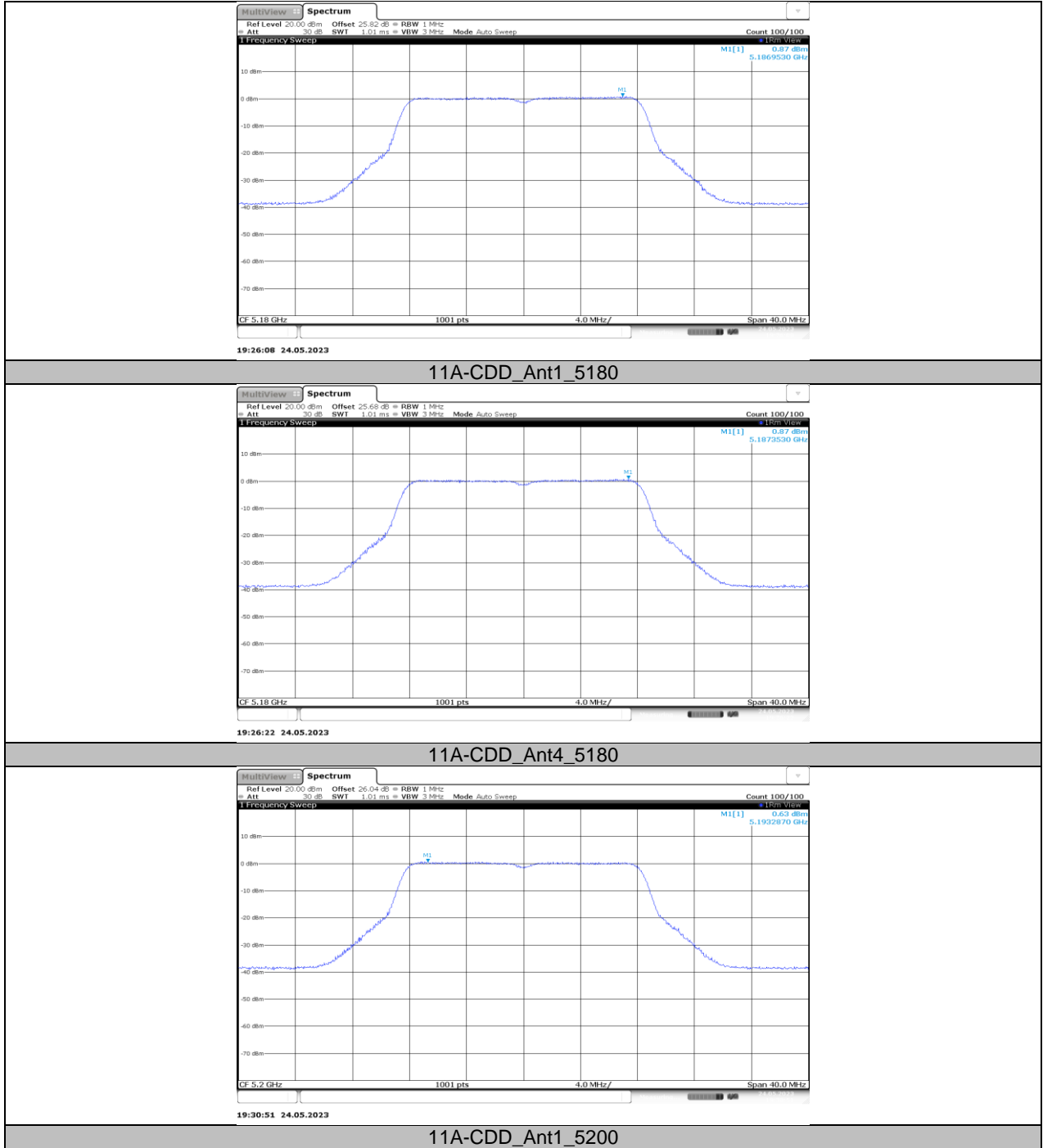
**11.5.3. Test Result For ISED**

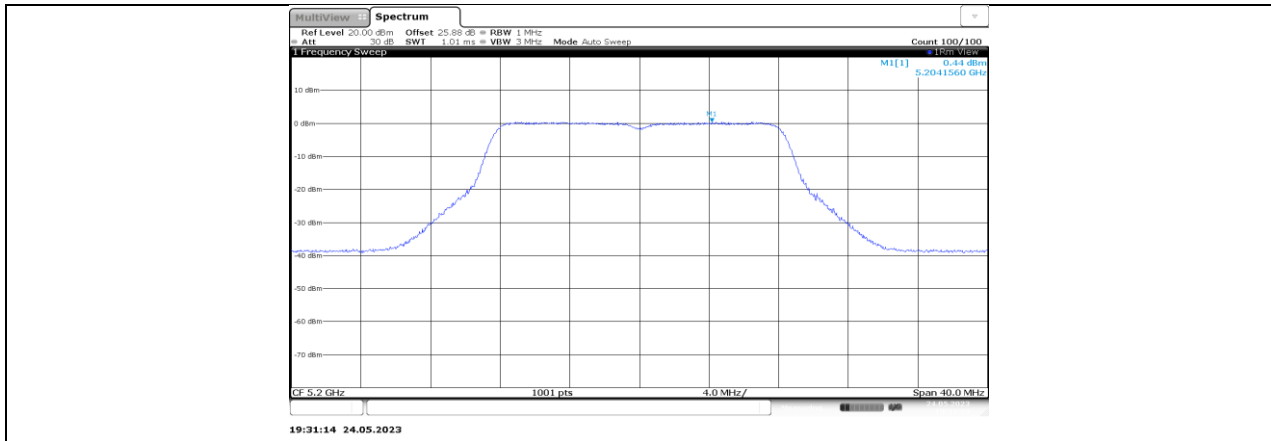
Test Mode	Antenna	Channel	Power [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A-CDD	Ant1	5180	0.87	3.87	≤10.00	PASS
	Ant4	5180	0.87	3.87	≤10.00	PASS
	total	5180	3.88	9.89	≤10.00	PASS
	Ant1	5200	0.63	3.63	≤10.00	PASS
	Ant4	5200	0.44	3.44	≤10.00	PASS
	total	5200	3.55	9.56	≤10.00	PASS
	Ant1	5240	-0.11	2.89	≤10.00	PASS
	Ant4	5240	0.64	3.64	≤10.00	PASS
	total	5240	3.29	9.30	≤10.00	PASS
	Ant1	5745	9.63	12.63	---	PASS
	Ant4	5745	11.54	14.54	---	PASS
	total	5745	13.70	19.71	---	PASS
	Ant1	5785	9.92	12.92	---	PASS
	Ant4	5785	11.94	14.94	---	PASS
	total	5785	14.06	20.07	---	PASS
11AX20MIMO	Ant1	5825	10	13.00	---	PASS
	Ant4	5825	10.04	13.04	---	PASS
	total	5825	13.03	19.04	---	PASS
	Ant1	5180	0.8	3.8	≤10.00	PASS
	Ant4	5180	0.63	3.63	≤10.00	PASS
	total	5180	3.73	9.74	≤10.00	PASS
	Ant1	5200	0.68	3.68	≤10.00	PASS
	Ant4	5200	0.39	3.39	≤10.00	PASS
	total	5200	3.55	9.56	≤10.00	PASS
	Ant1	5240	0.42	3.42	≤10.00	PASS
	Ant4	5240	0.99	3.99	≤10.00	PASS
	total	5240	3.72	9.73	≤10.00	PASS
	Ant1	5745	9.27	12.27	---	PASS
	Ant4	5745	11.54	14.54	---	PASS
	total	5745	13.56	19.57	---	PASS
Ant1	5785	9.47	12.47	---	PASS	
Ant4	5785	11.47	14.47	---	PASS	
total	5785	13.59	19.60	---	PASS	
Ant1	5825	9.6	12.60	---	PASS	
Ant4	5825	10.16	13.16	---	PASS	
total	5825	12.90	18.91	---	PASS	
11AX40MIMO	Ant1	5190	0.49	3.49	≤10.00	PASS
	Ant4	5190	0.37	3.37	≤10.00	PASS
	total	5190	3.44	9.45	≤10.00	PASS
	Ant1	5230	0.25	3.25	≤10.00	PASS
	Ant4	5230	0.66	3.66	≤10.00	PASS
	total	5230	3.47	9.48	≤10.00	PASS
	Ant1	5755	6.04	9.04	---	PASS
	Ant4	5755	8.85	11.85	---	PASS
	total	5755	10.68	13.68	---	PASS
	Ant1	5795	7.91	10.91	---	PASS
Ant4	5795	9.12	12.12	---	PASS	
total	5795	11.57	14.57	---	PASS	
11AX80MIMO	Ant1	5210	-1.47	1.53	≤10.00	PASS
	Ant4	5210	-1.01	1.99	≤10.00	PASS
	total	5210	1.78	7.79	≤10.00	PASS
	Ant1	5775	0.91	3.91	---	PASS
	Ant4	5775	0.66	3.66	---	PASS
total	5775	3.80	6.80	---	PASS	
11BE20MIMO	Ant1	5180	0.52	3.52	≤10.00	PASS
	Ant4	5180	0.18	3.18	≤10.00	PASS
	total	5180	3.36	9.37	≤10.00	PASS

	Ant1	5200	0.92	3.92	≤10.00	PASS
	Ant4	5200	0.64	3.64	≤10.00	PASS
	total	5200	3.79	9.8	≤10.00	PASS
	Ant1	5240	0.33	3.33	≤10.00	PASS
	Ant4	5240	0.8	3.8	≤10.00	PASS
	total	5240	3.58	9.59	≤10.00	PASS
	Ant1	5745	9.77	12.77	---	PASS
	Ant4	5745	11.95	14.95	---	PASS
	total	5745	14.01	20.02	---	PASS
	Ant1	5785	9.77	12.77	---	PASS
	Ant4	5785	11.78	14.78	---	PASS
	total	5785	13.90	19.91	---	PASS
11BE40MIMO	Ant1	5825	10.49	13.49	---	PASS
	Ant4	5825	10.97	13.97	---	PASS
	total	5825	13.75	19.76	---	PASS
	Ant1	5190	0.39	3.39	≤10.00	PASS
	Ant4	5190	0.33	3.33	≤10.00	PASS
	total	5190	3.37	9.38	≤10.00	PASS
	Ant1	5230	0.01	3.01	≤10.00	PASS
	Ant4	5230	0.55	3.55	≤10.00	PASS
	total	5230	3.30	9.31	≤10.00	PASS
	Ant1	5755	6.14	9.14	---	PASS
	Ant4	5755	9.27	12.27	---	PASS
	total	5755	10.99	13.99	---	PASS
11BE80MIMO	Ant1	5795	7.78	10.78	---	PASS
	Ant4	5795	8.88	11.88	---	PASS
	total	5795	11.38	17.39	---	PASS
	Ant1	5210	-1.35	1.65	≤10.00	PASS
	Ant4	5210	-0.67	2.33	≤10.00	PASS
	total	5210	2.01	8.02	≤10.00	PASS
	Ant1	5775	1.44	4.44	---	PASS
	Ant4	5775	0.84	3.84	---	PASS
	total	5775	4.16	7.16	---	PASS

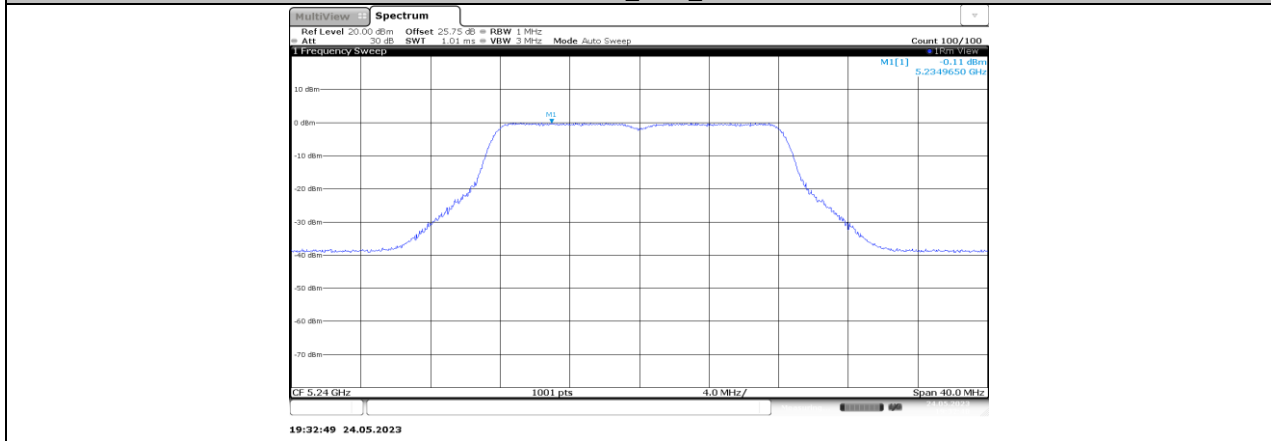
Note: 1. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

### 11.5.4. Test Graphs For ISED

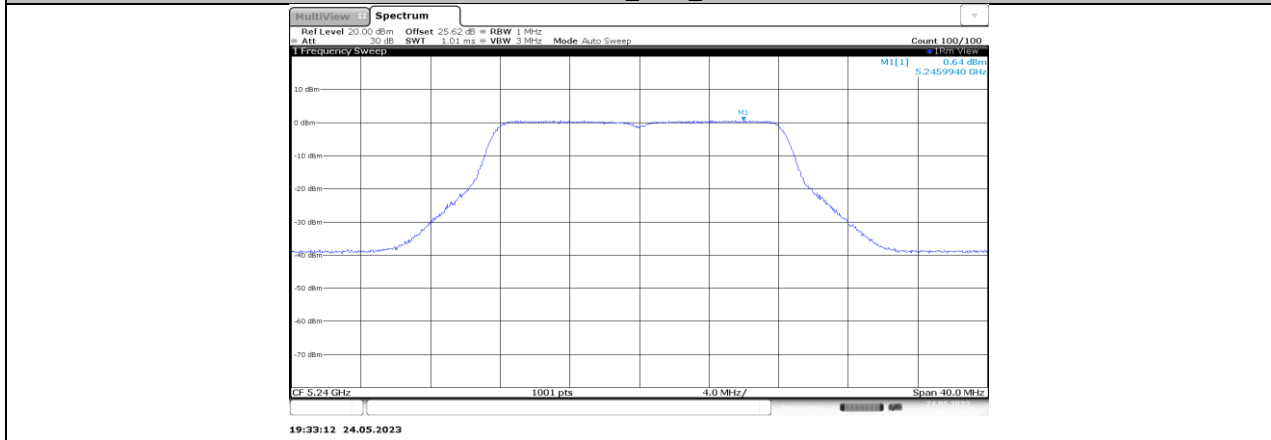




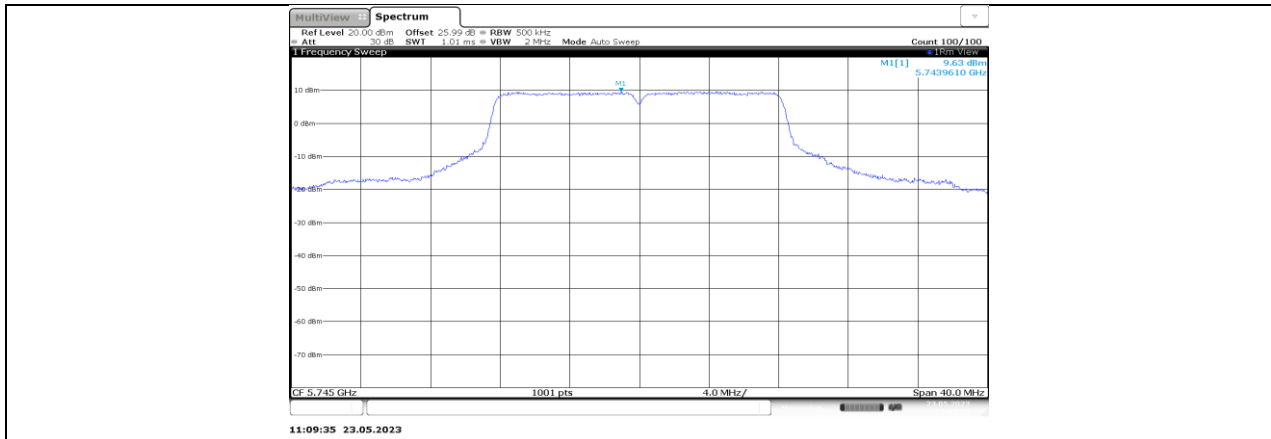
11A-CDD\_Ant4\_5200



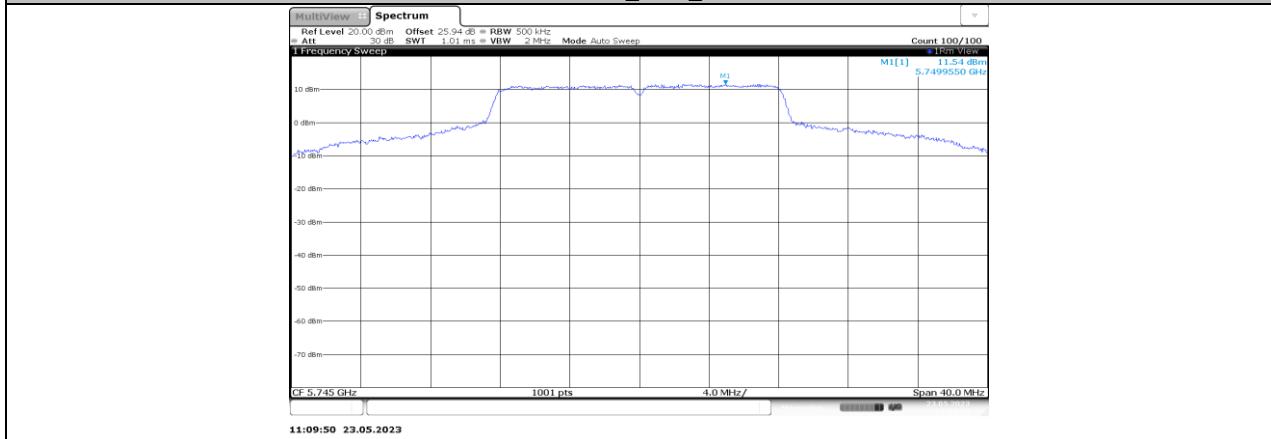
11A-CDD\_Ant1\_5240



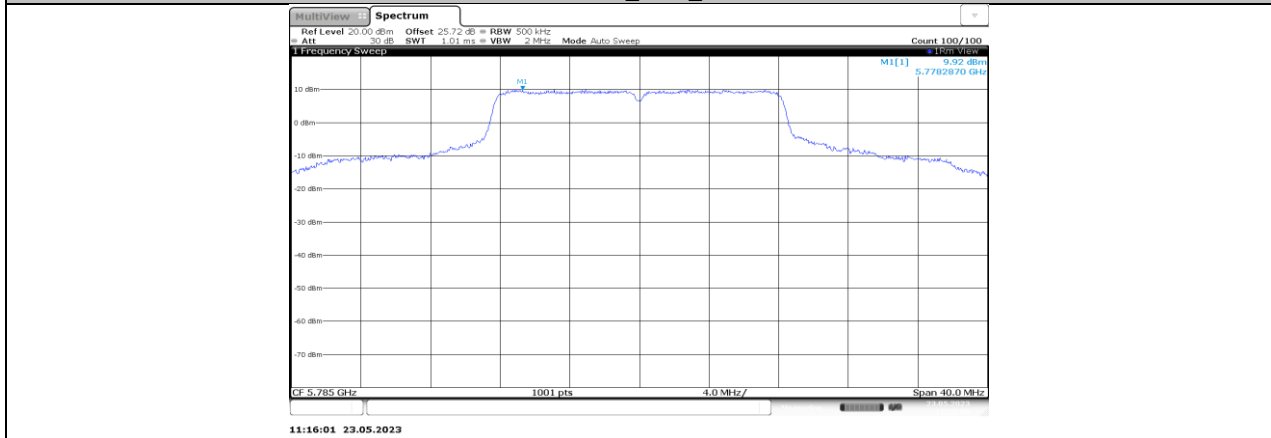
11A-CDD\_Ant4\_5240



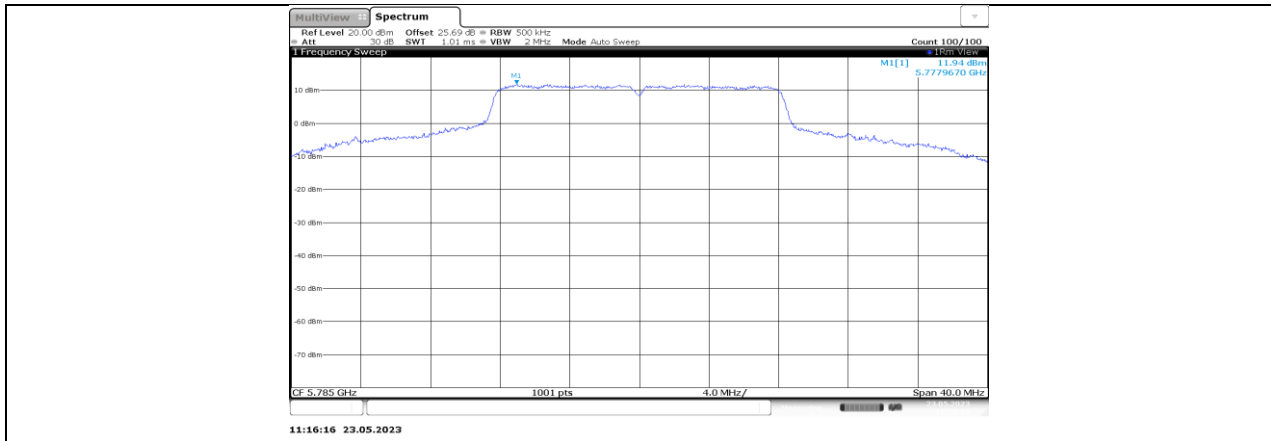
11A-CDD\_Ant1\_5745



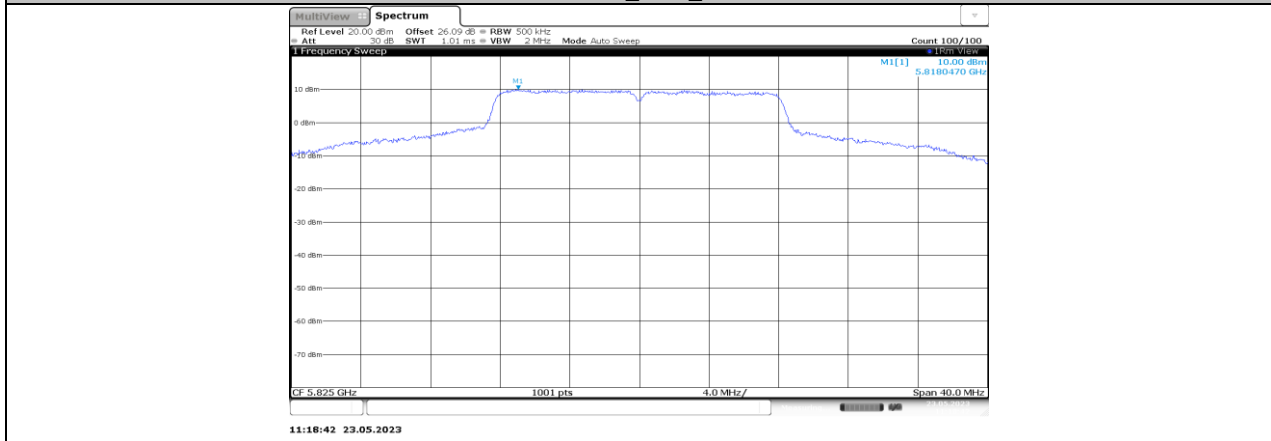
11A-CDD\_Ant4\_5745



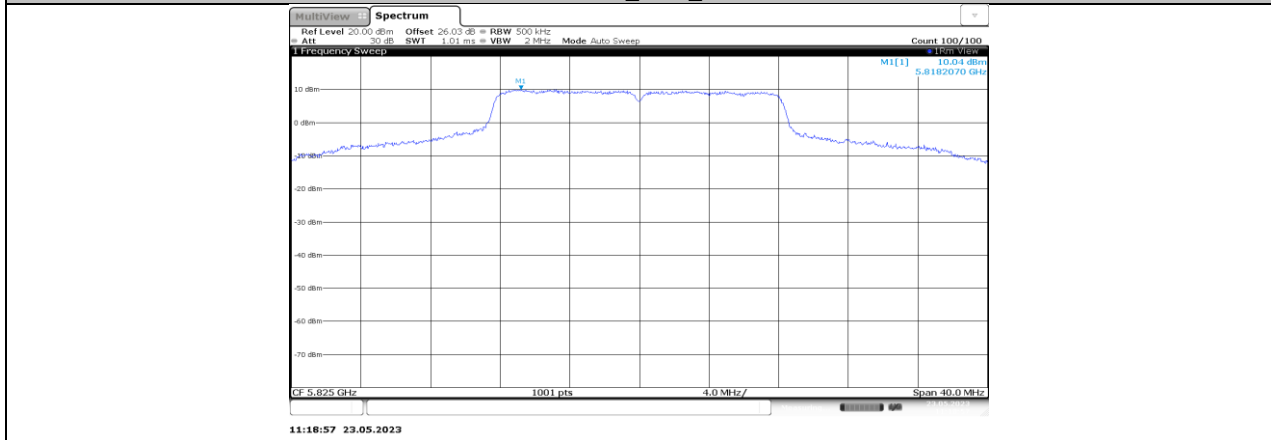
11A-CDD\_Ant1\_5785



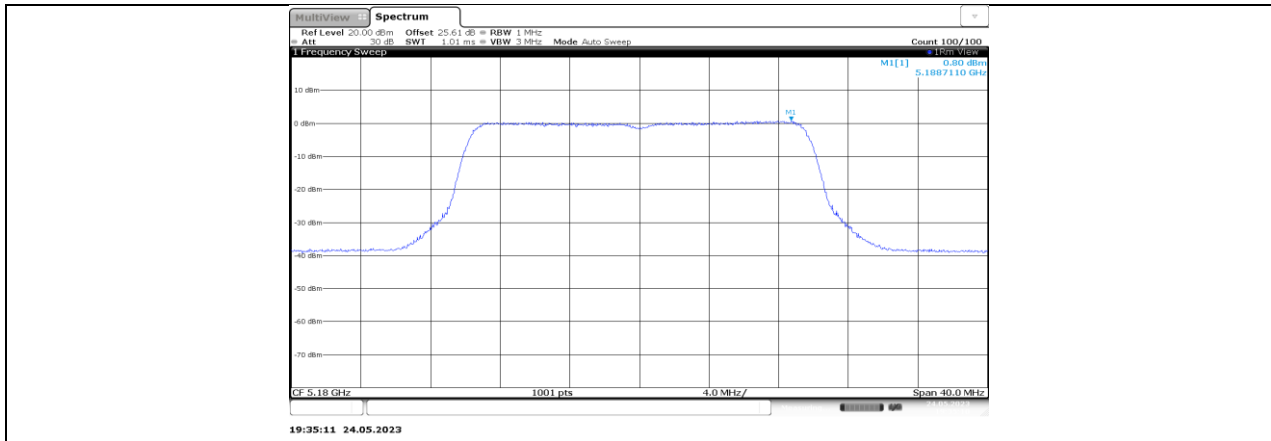
11A-CDD\_Ant4\_5785



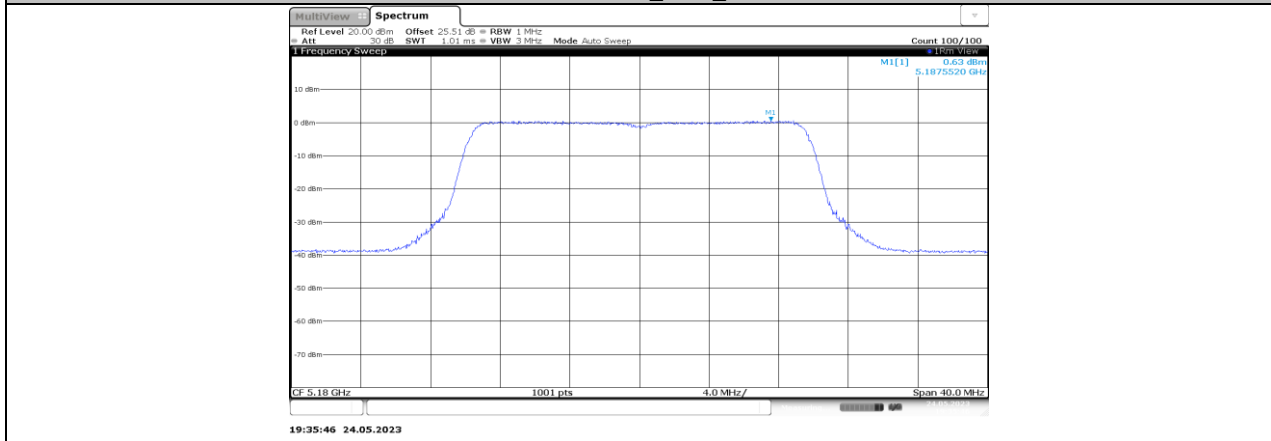
11A-CDD\_Ant1\_5825



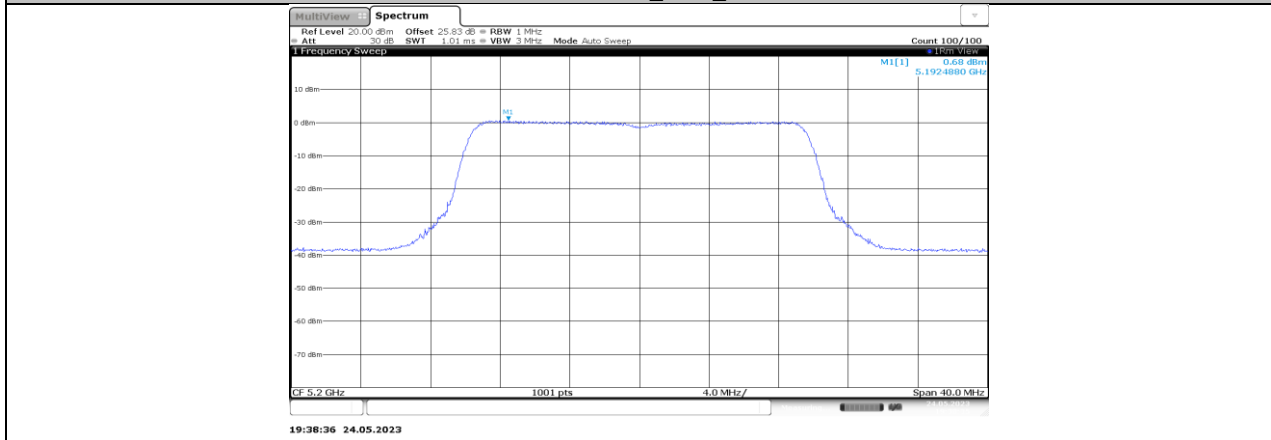
11A-CDD\_Ant4\_5825



11AX20MIMO\_Ant1\_5180

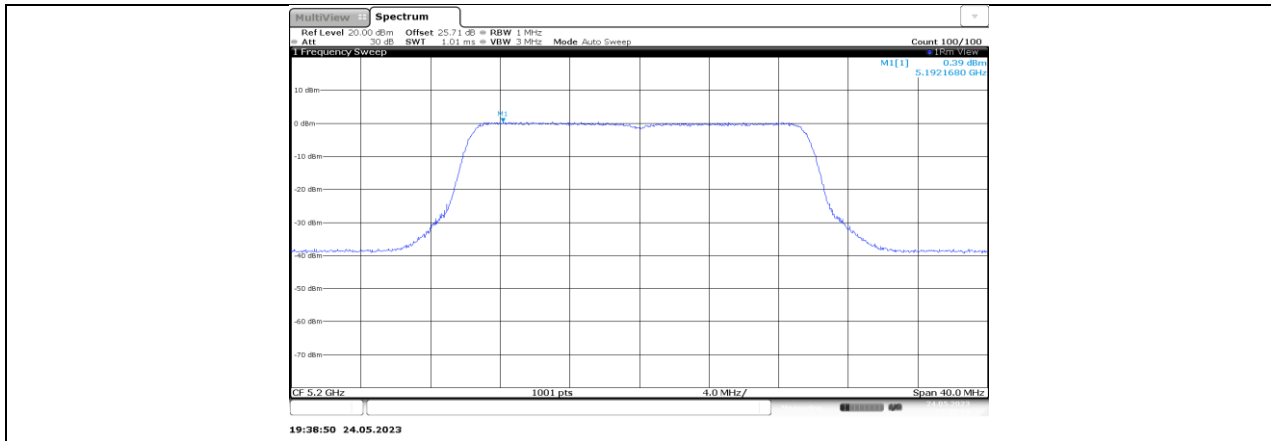


11AX20MIMO\_Ant4\_5180

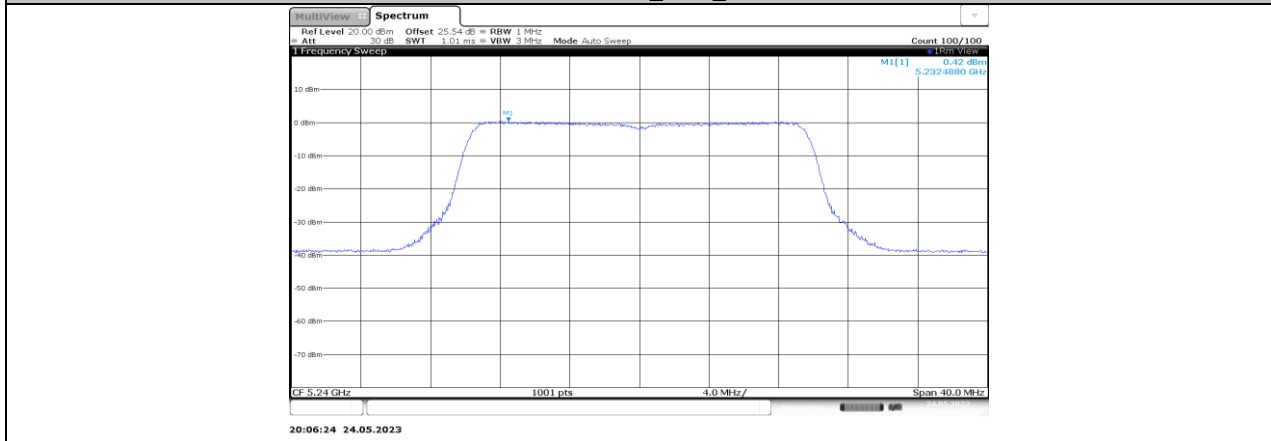


11AX20MIMO\_Ant1\_5200

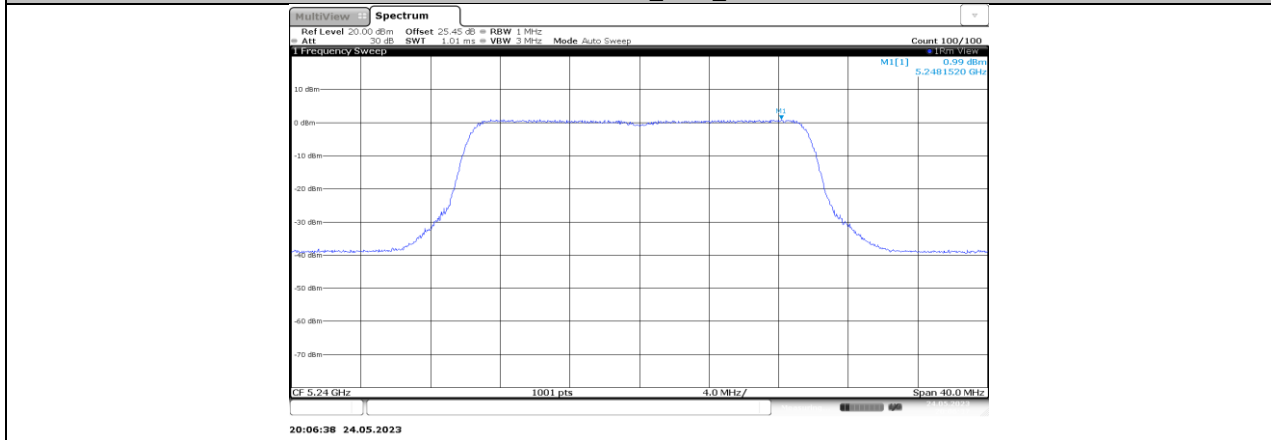




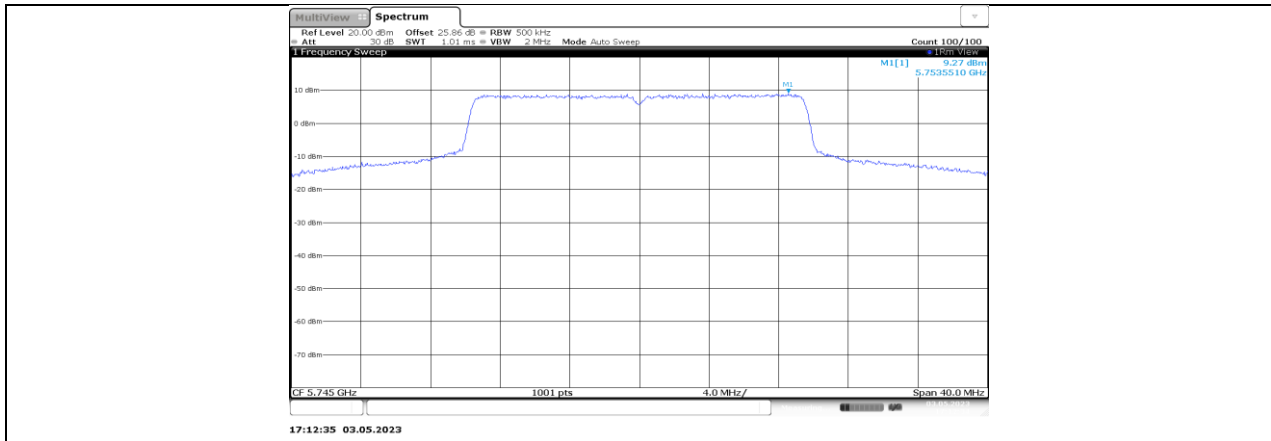
11AX20MIMO\_Ant4\_5200



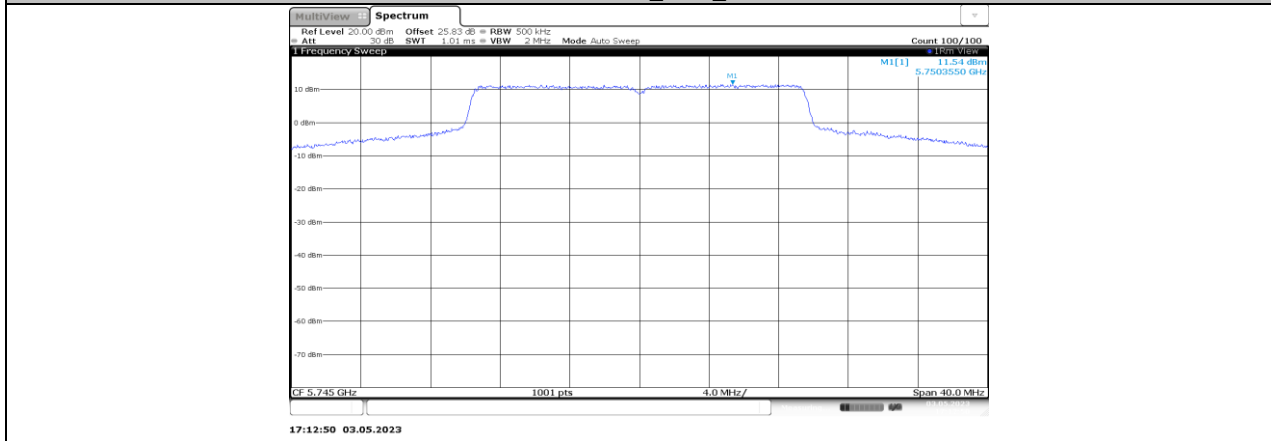
11AX20MIMO\_Ant1\_5240



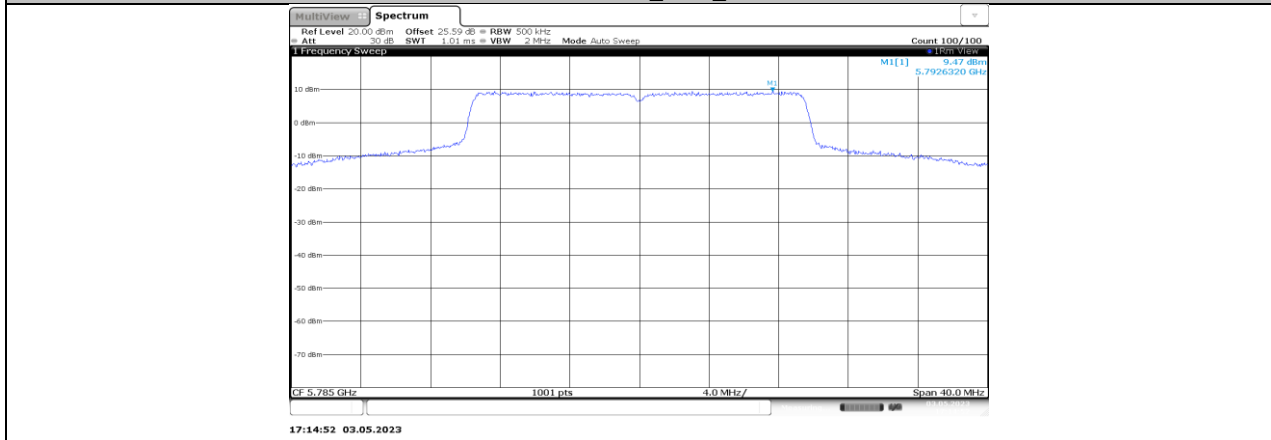
11AX20MIMO\_Ant4\_5240



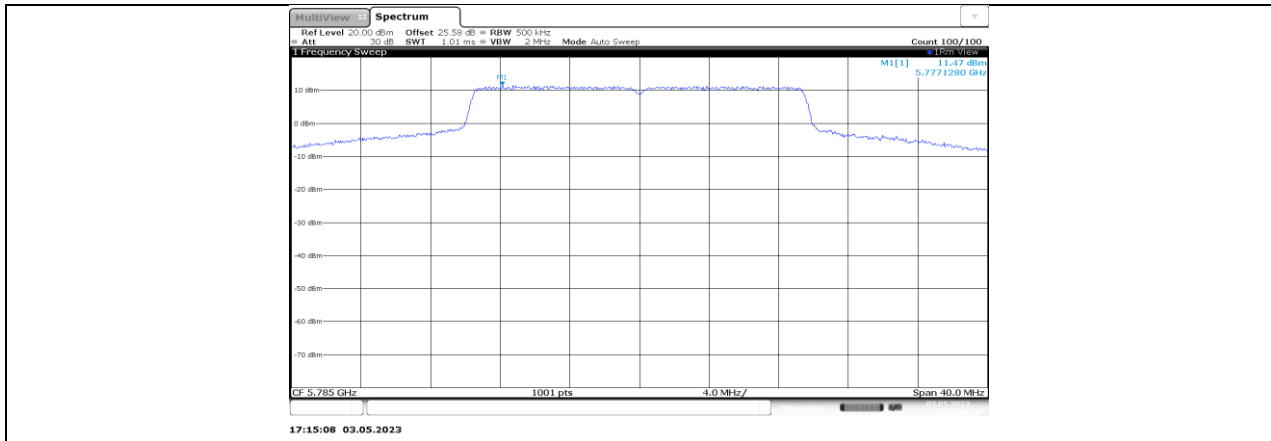
11AX20MIMO\_Ant1\_5745



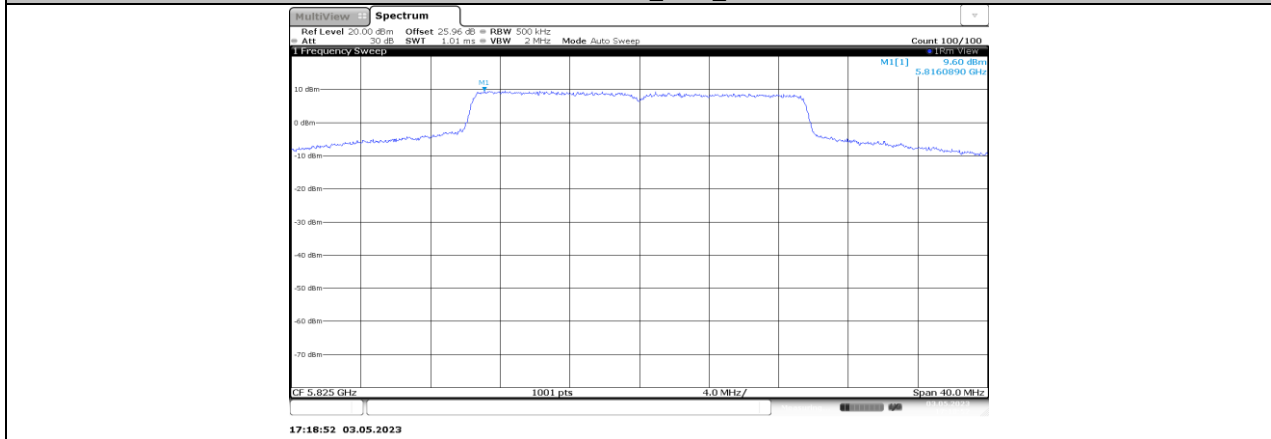
11AX20MIMO\_Ant4\_5745



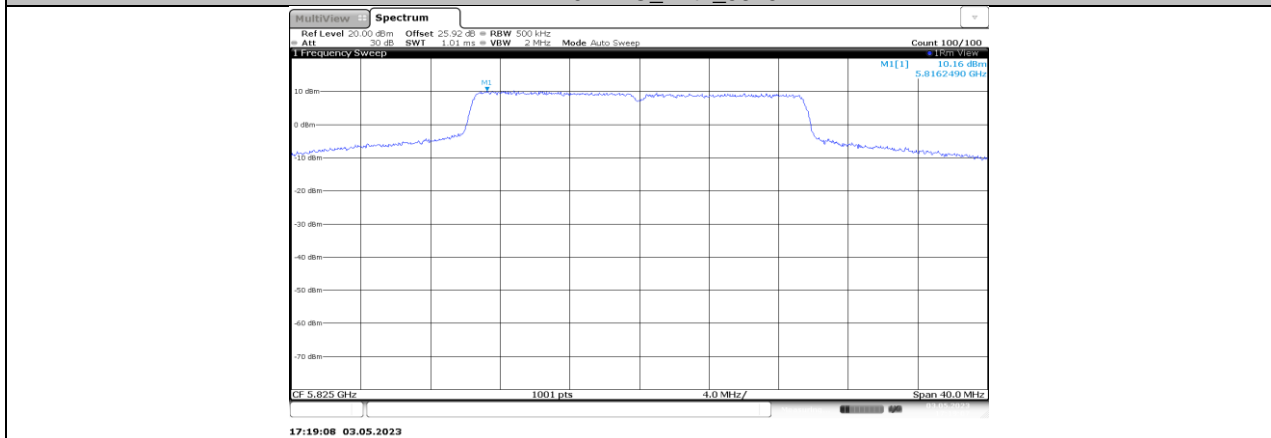
11AX20MIMO\_Ant1\_5785



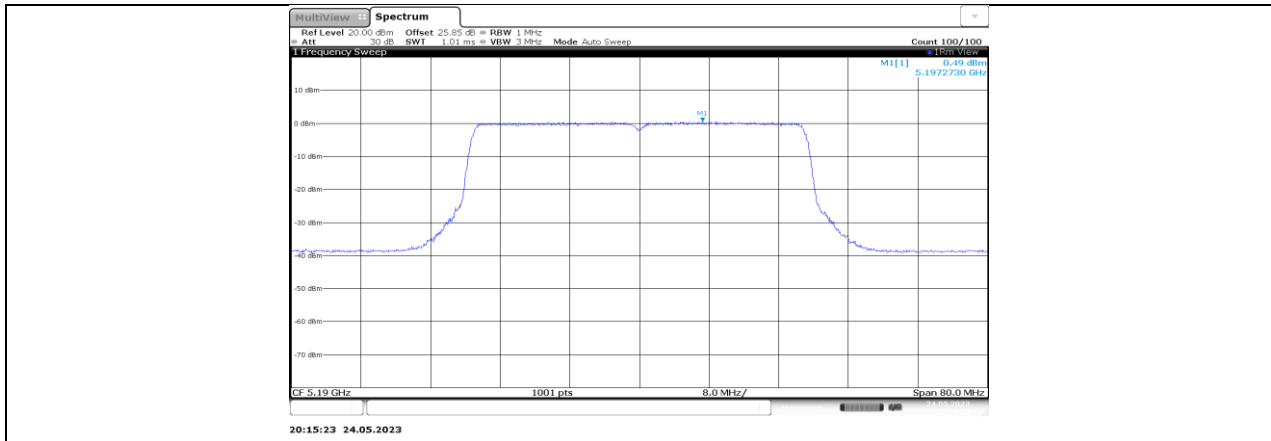
11AX20MIMO\_Ant4\_5785



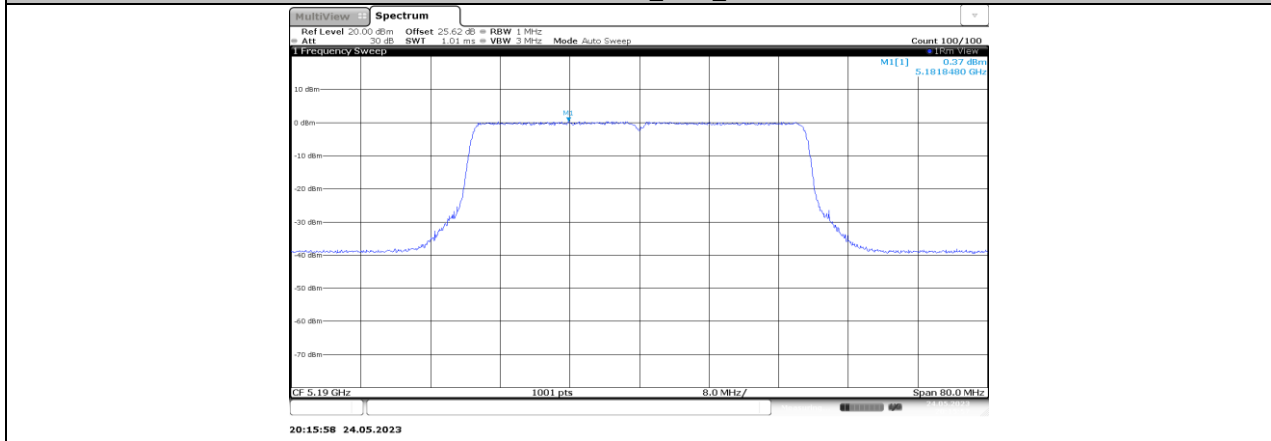
11AX20MIMO\_Ant1\_5825



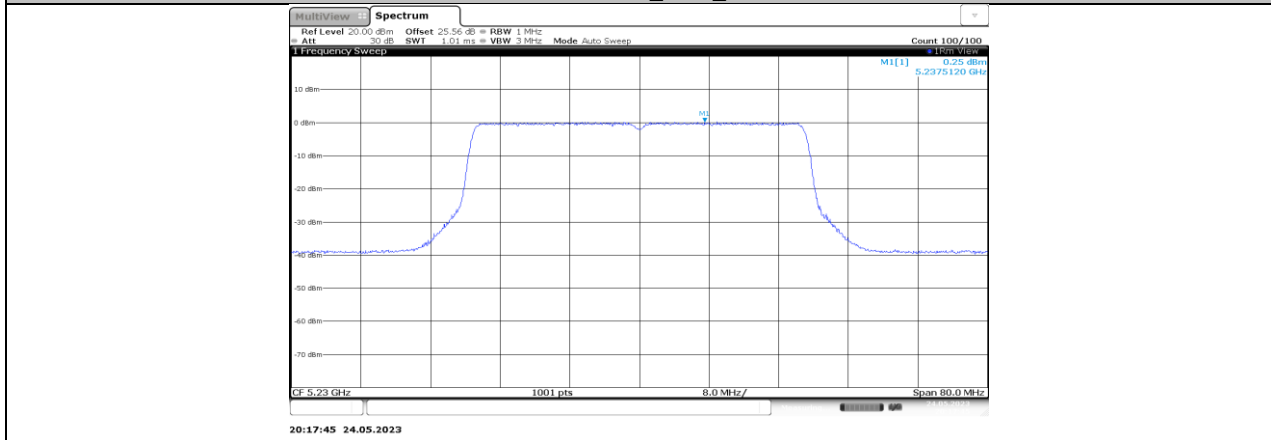
11AX20MIMO\_Ant4\_5825



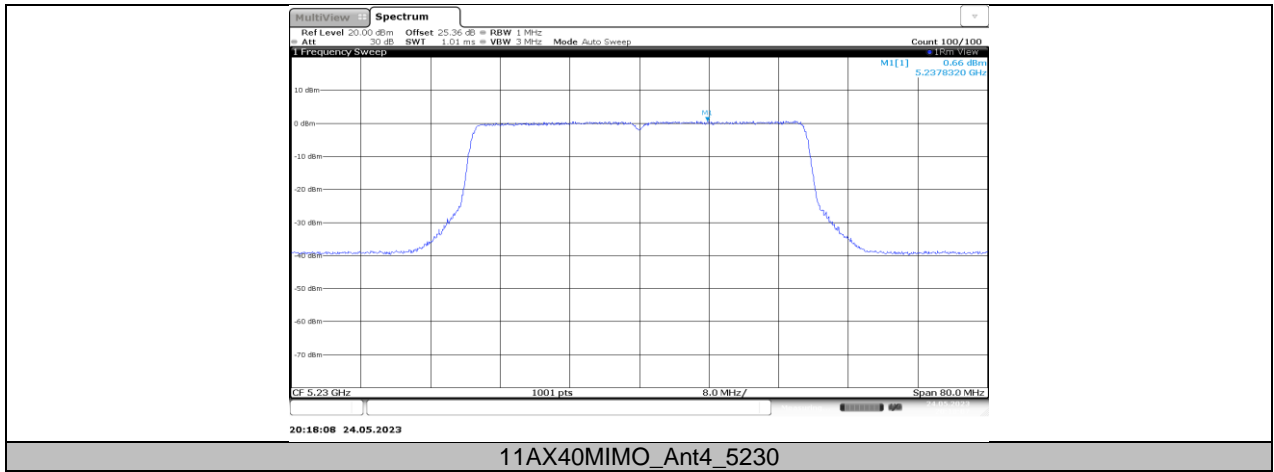
11AX40MIMO\_Ant1\_5190



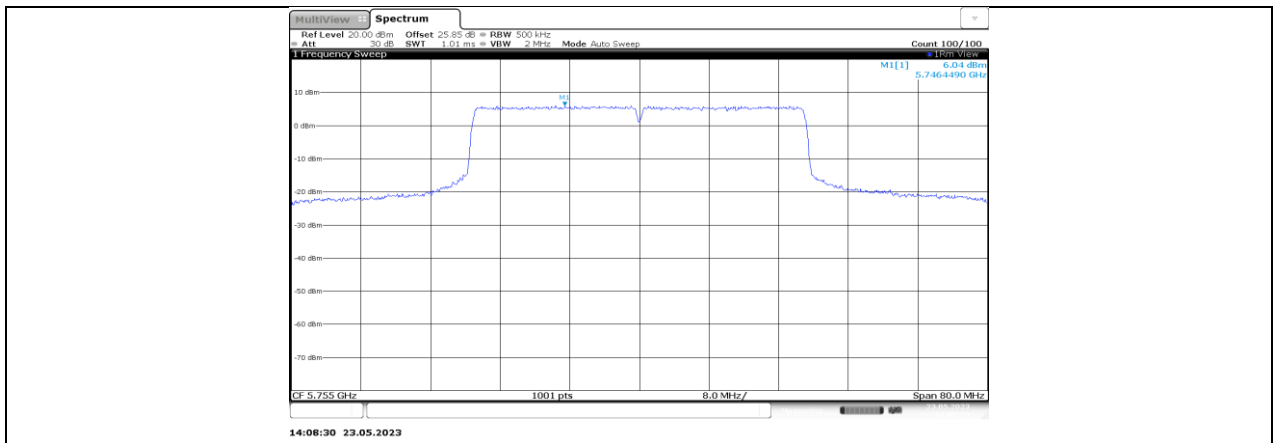
11AX40MIMO\_Ant4\_5190



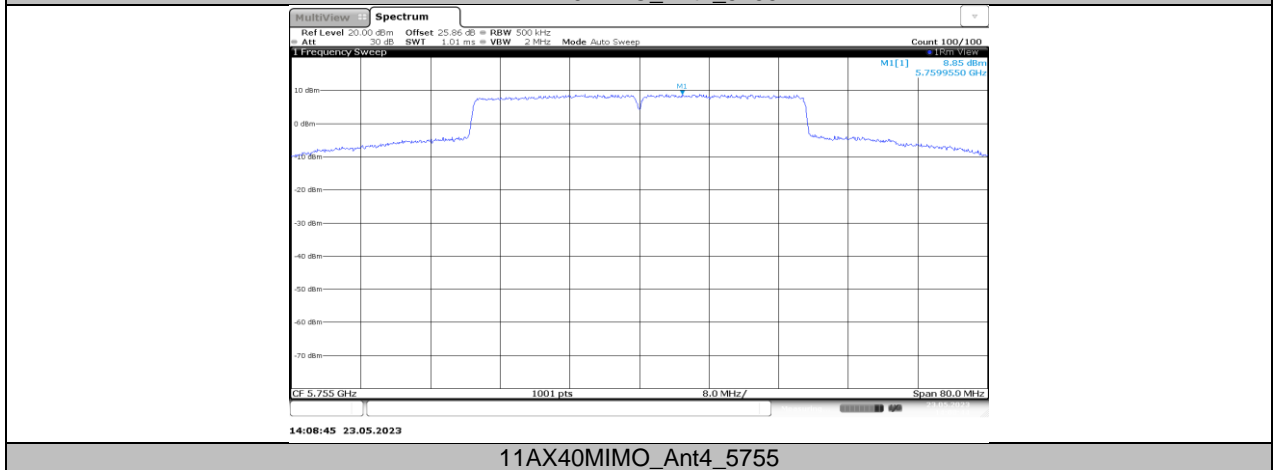
11AX40MIMO\_Ant1\_5230



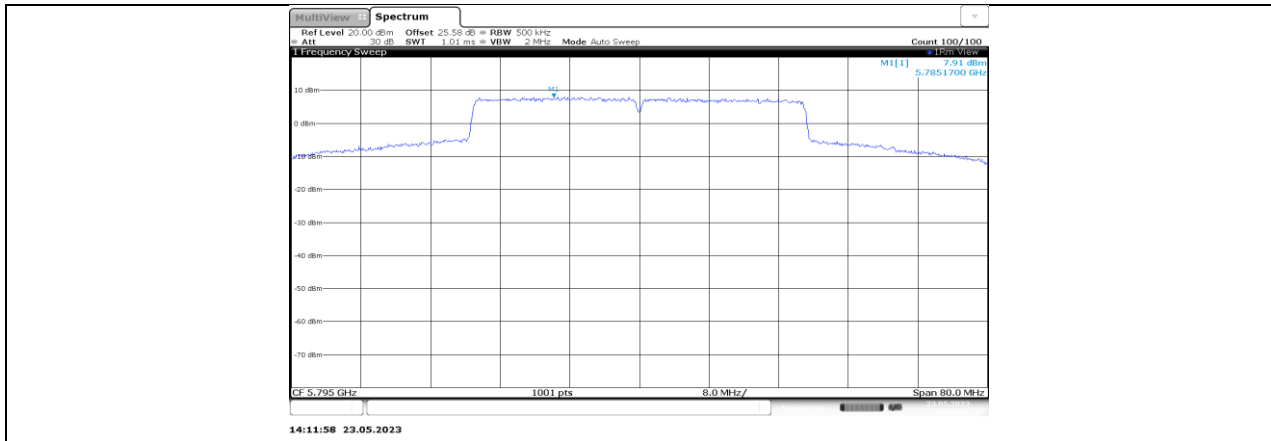
11AX40MIMO\_Ant4\_5230



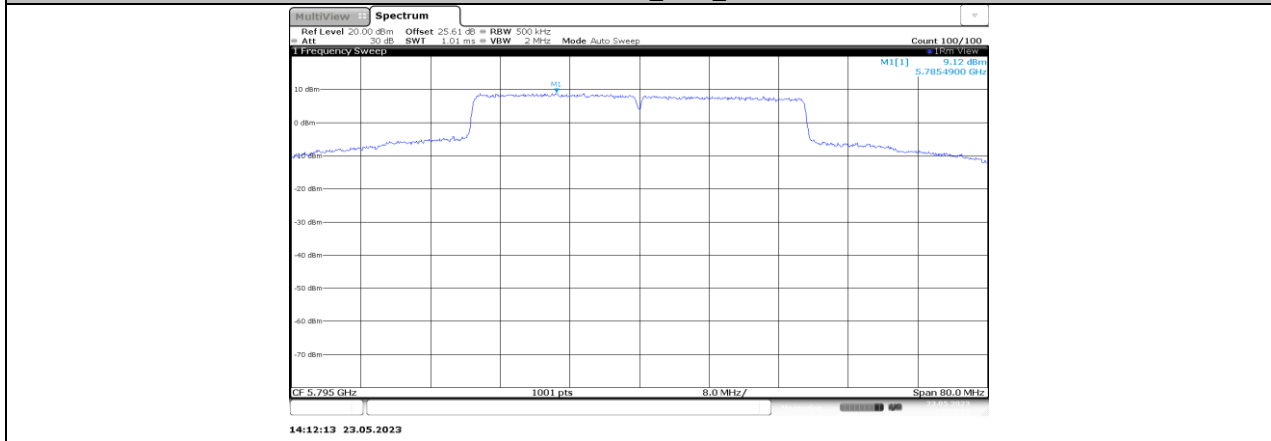
11AX40MIMO\_Ant1\_5755



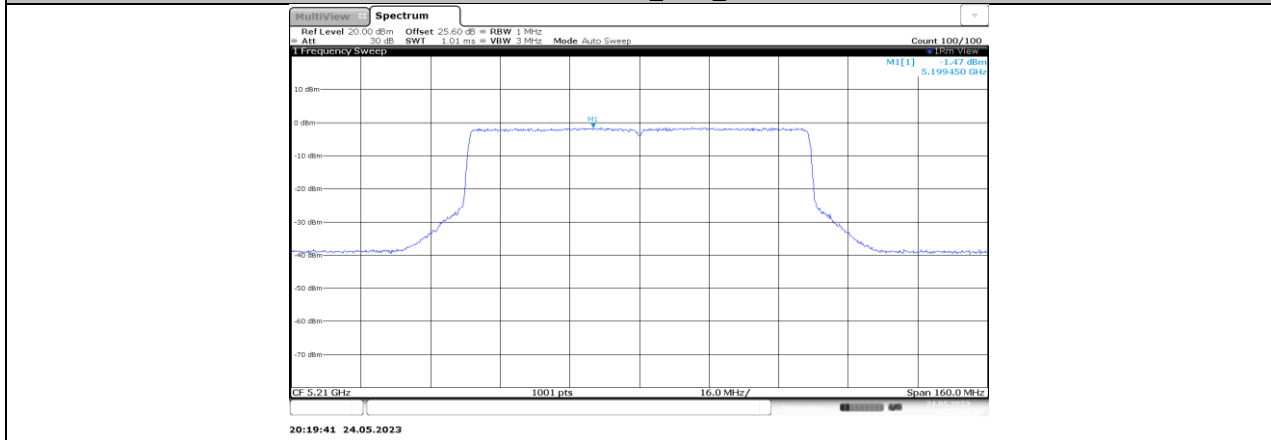
11AX40MIMO\_Ant4\_5755



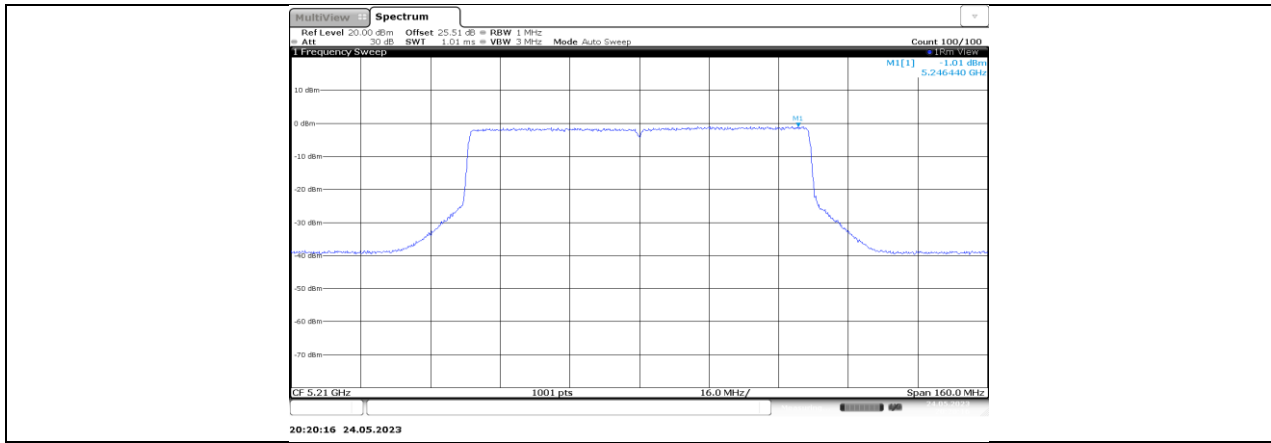
11AX40MIMO\_Ant1\_5795



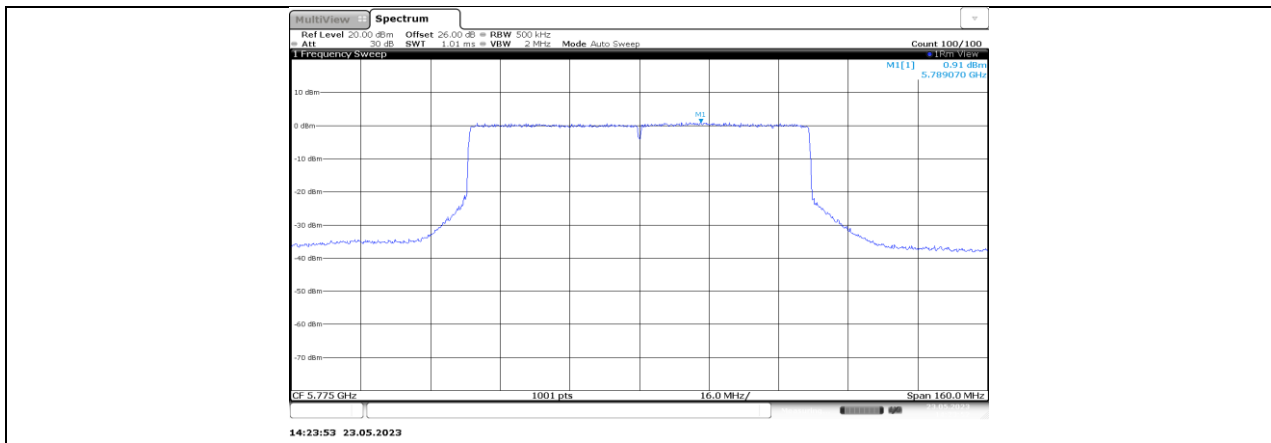
11AX40MIMO\_Ant4\_5795



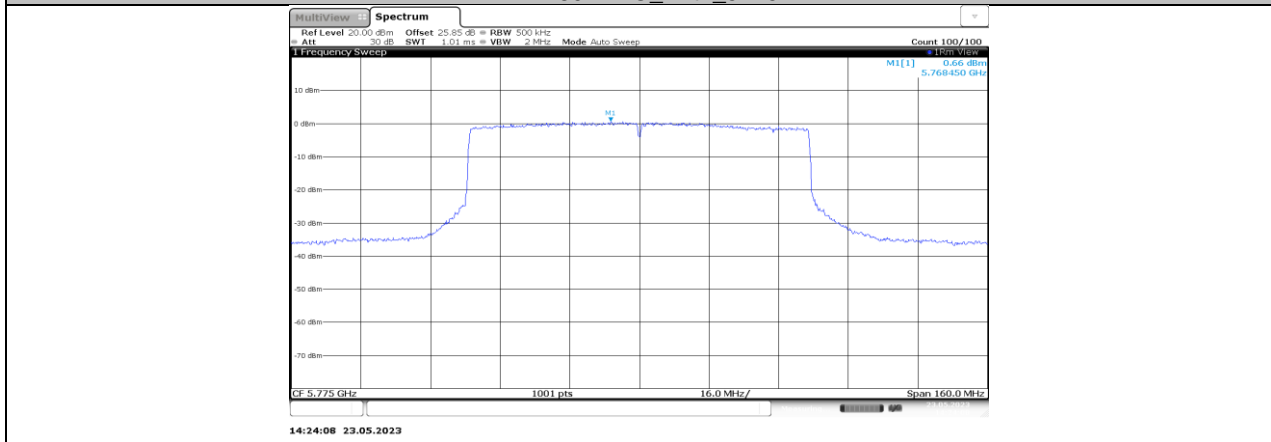
11AX80MIMO\_Ant1\_5210



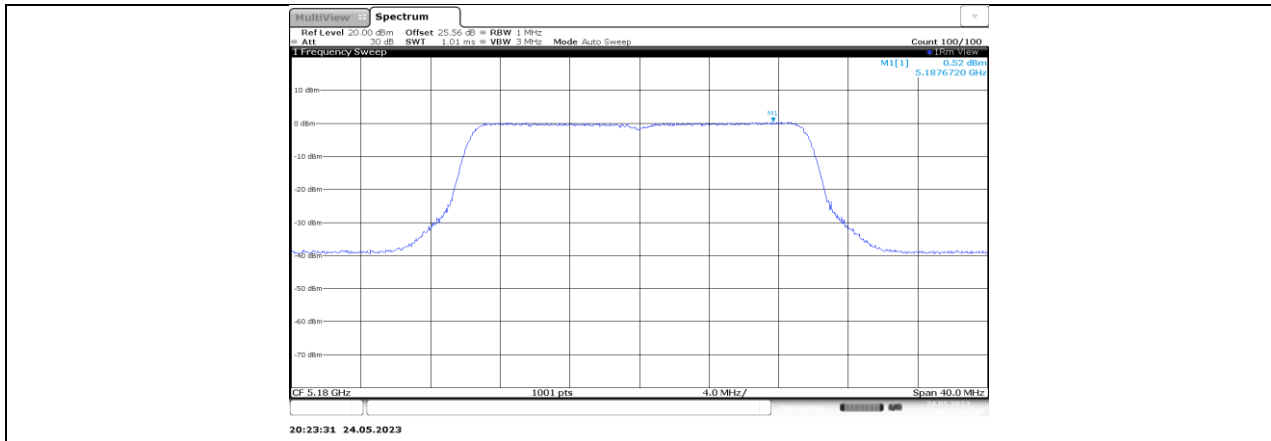
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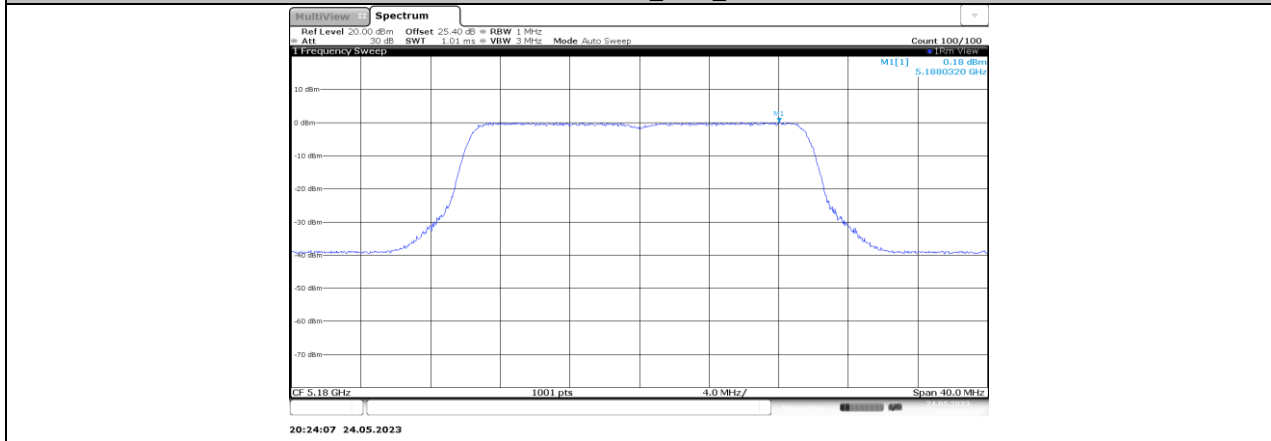
11AX80MIMO\_Ant1\_5775



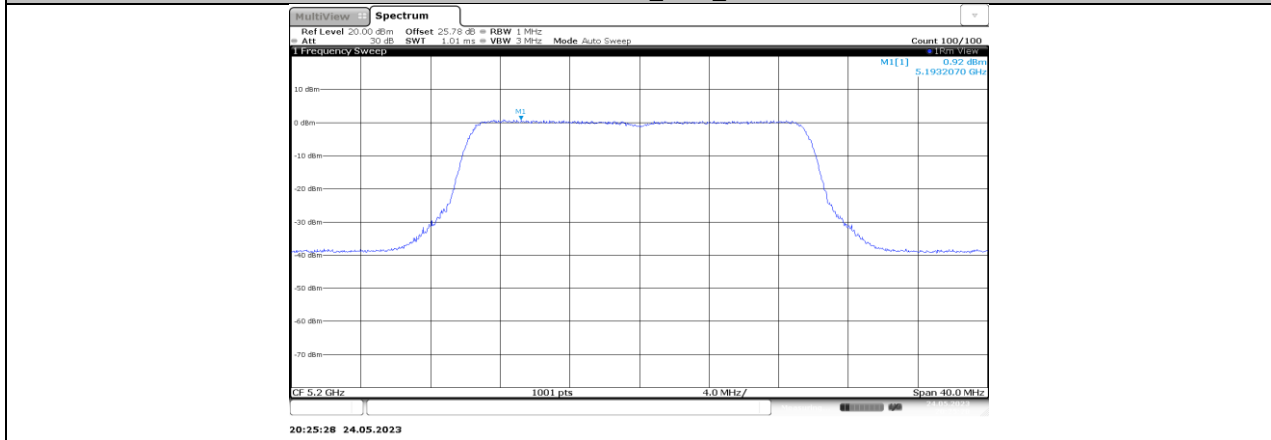
11AX80MIMO\_Ant4\_5775



11BE20MIMO\_Ant1\_5180

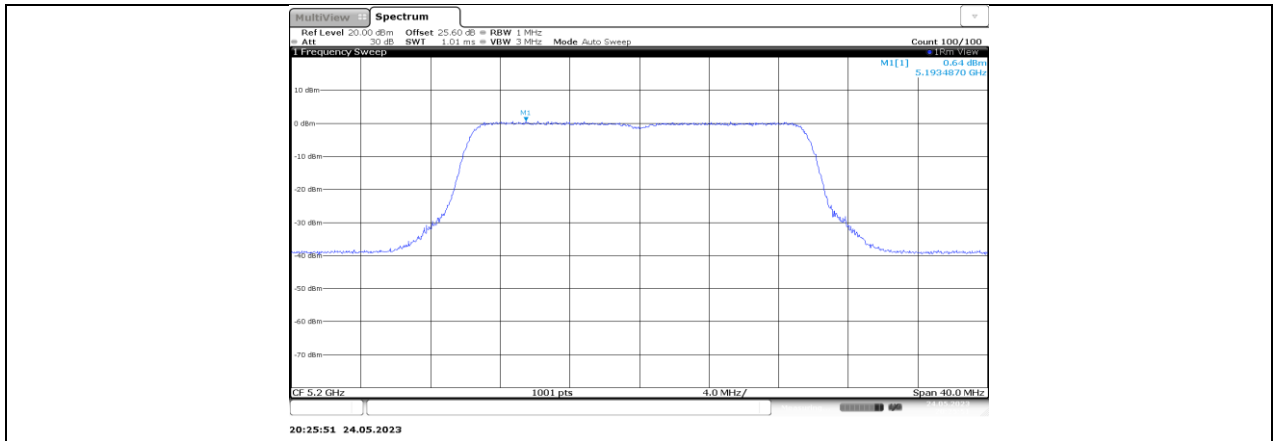


11BE20MIMO\_Ant4\_5180

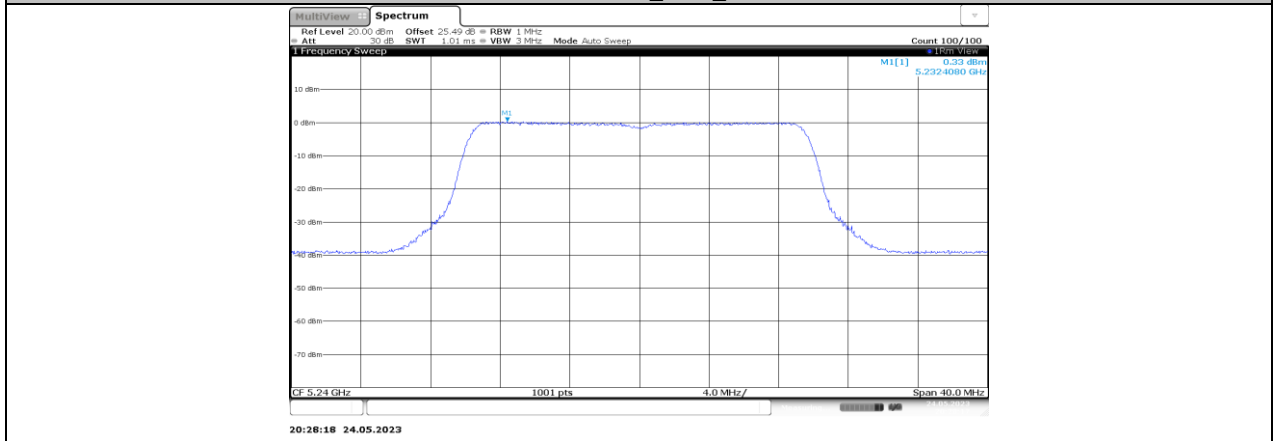


11BE20MIMO\_Ant1\_5200

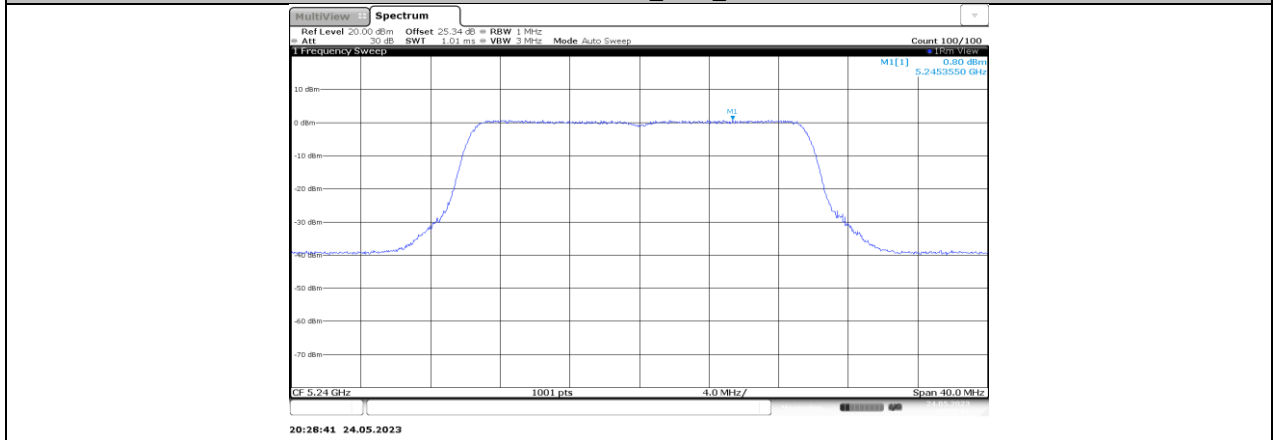




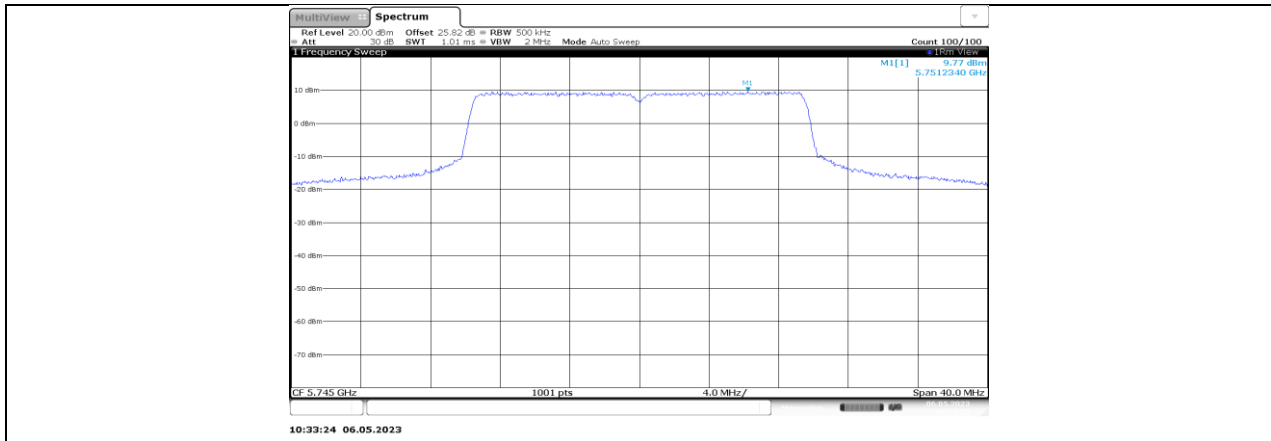
11BE20MIMO\_Ant4\_5200



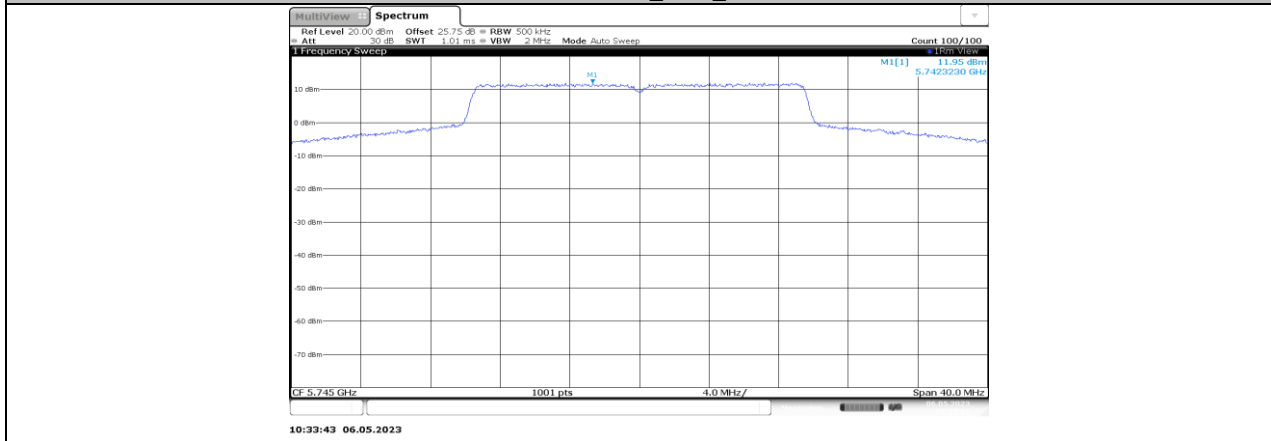
11BE20MIMO\_Ant1\_5240



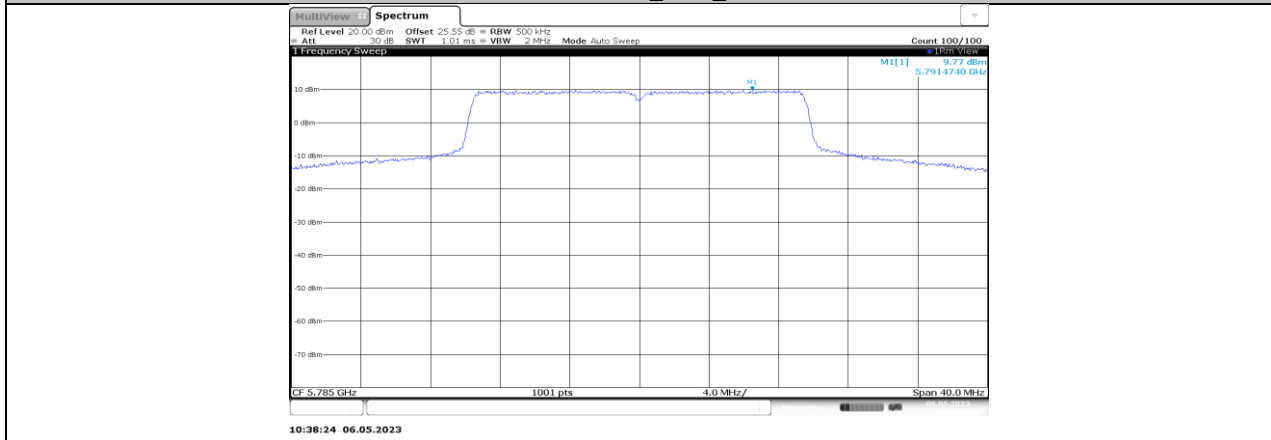
11BE20MIMO\_Ant4\_5240



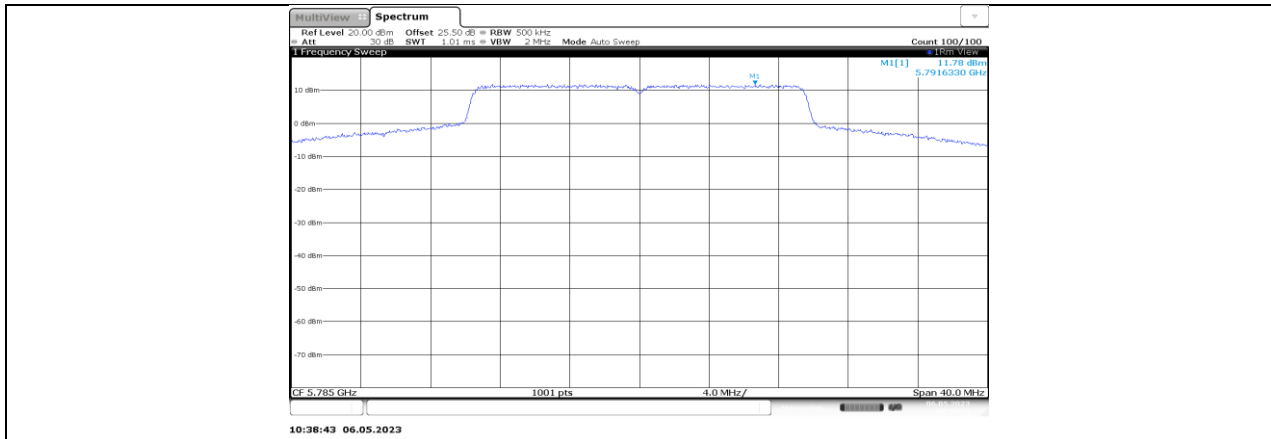
11BE20MIMO\_Ant1\_5745



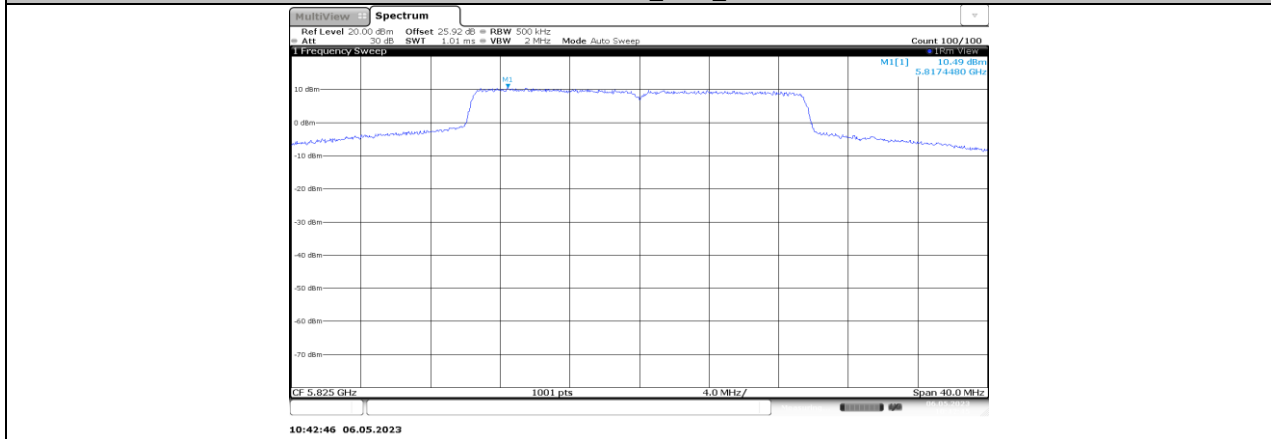
11BE20MIMO\_Ant4\_5745



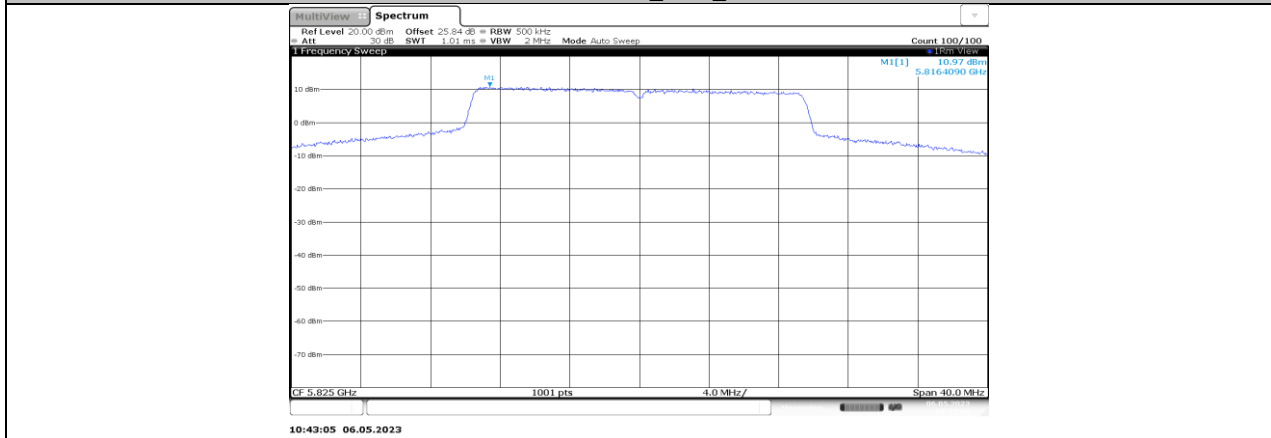
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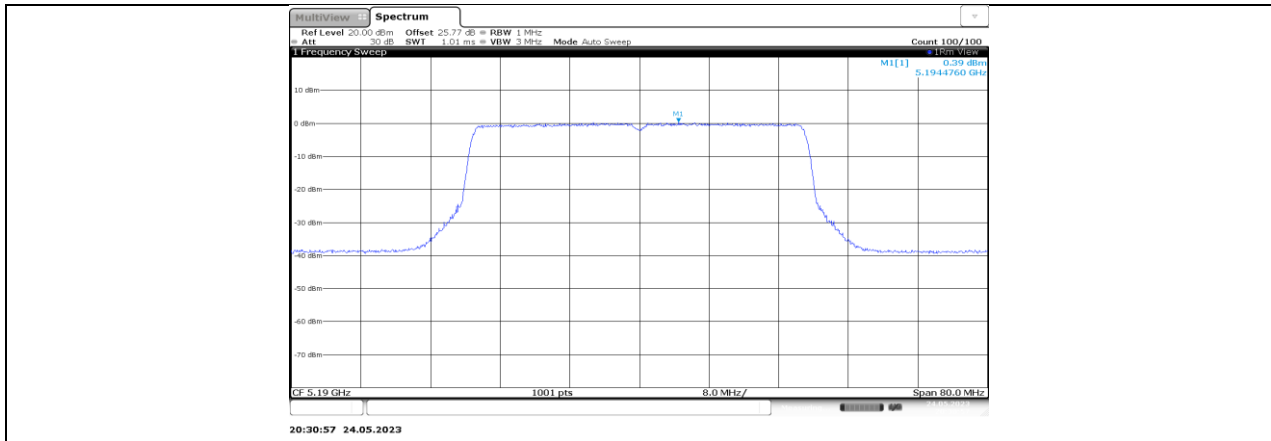
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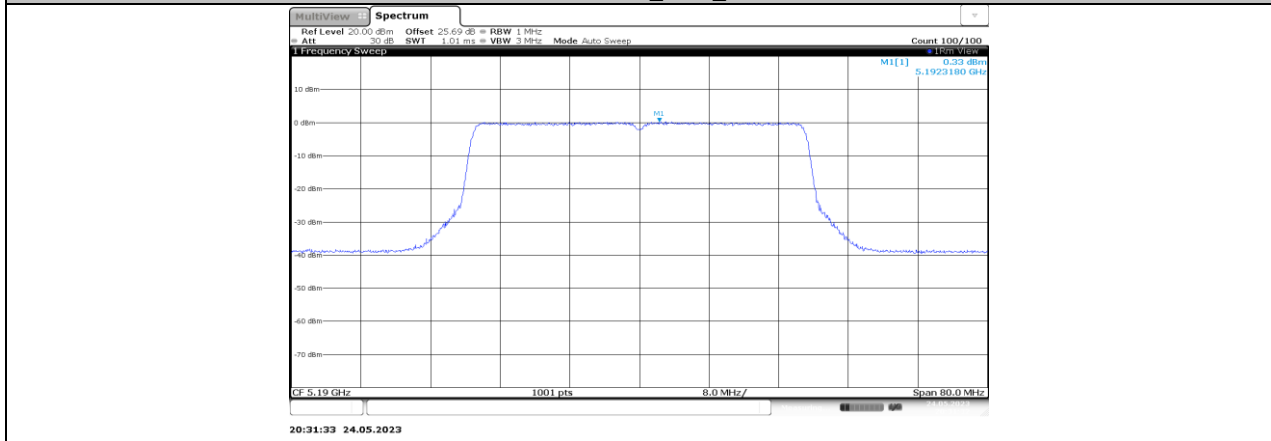
11BE20MIMO\_Ant1\_5825



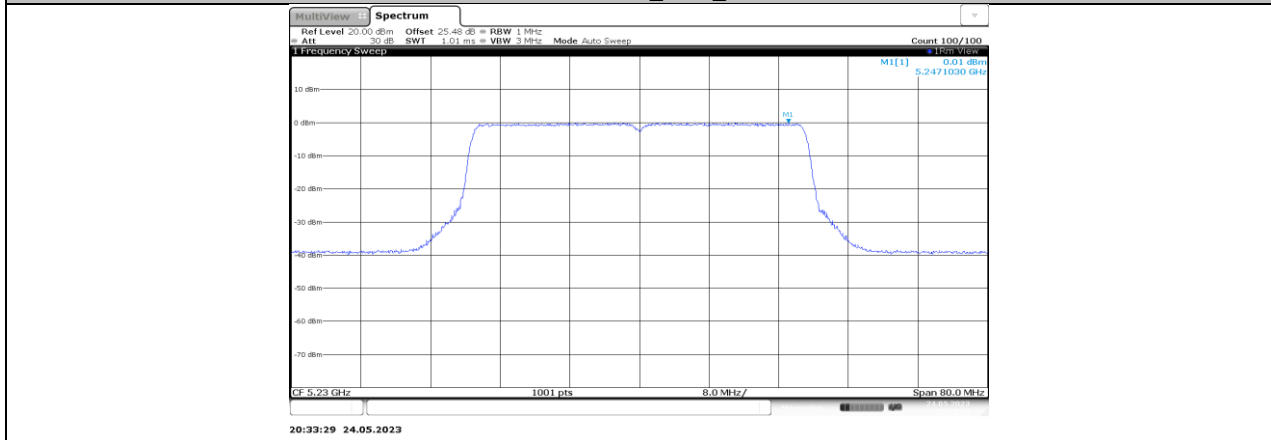
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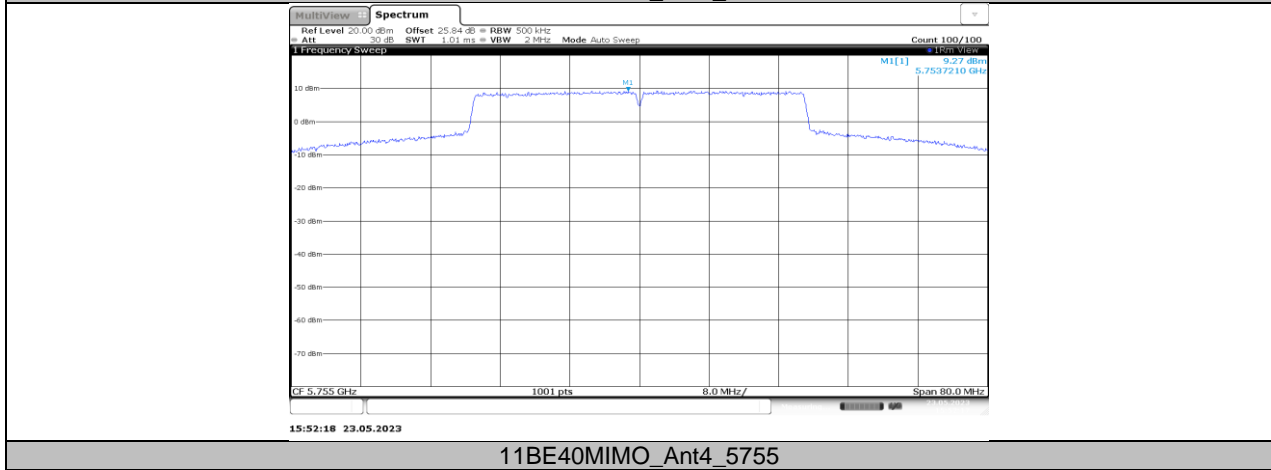
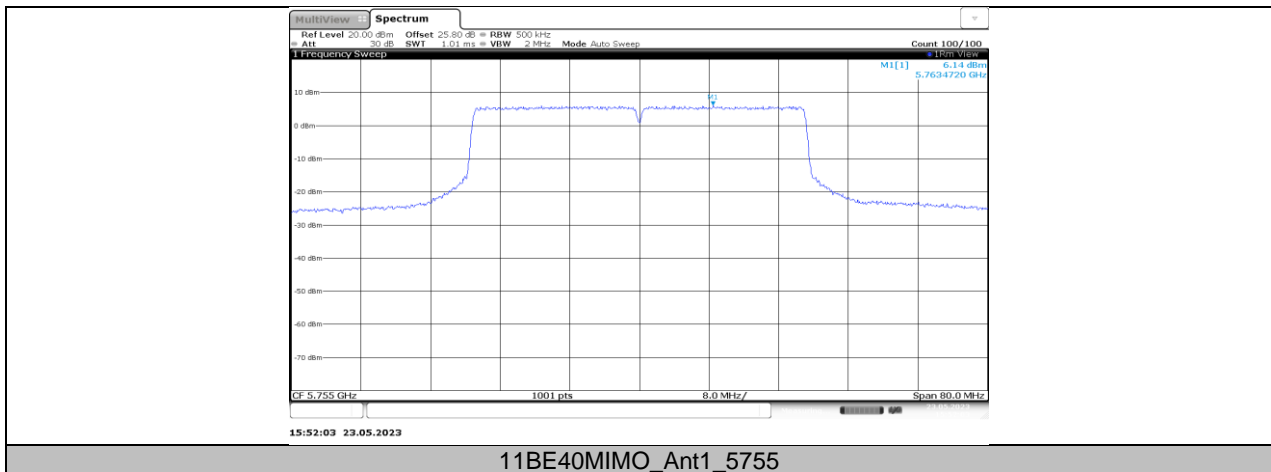
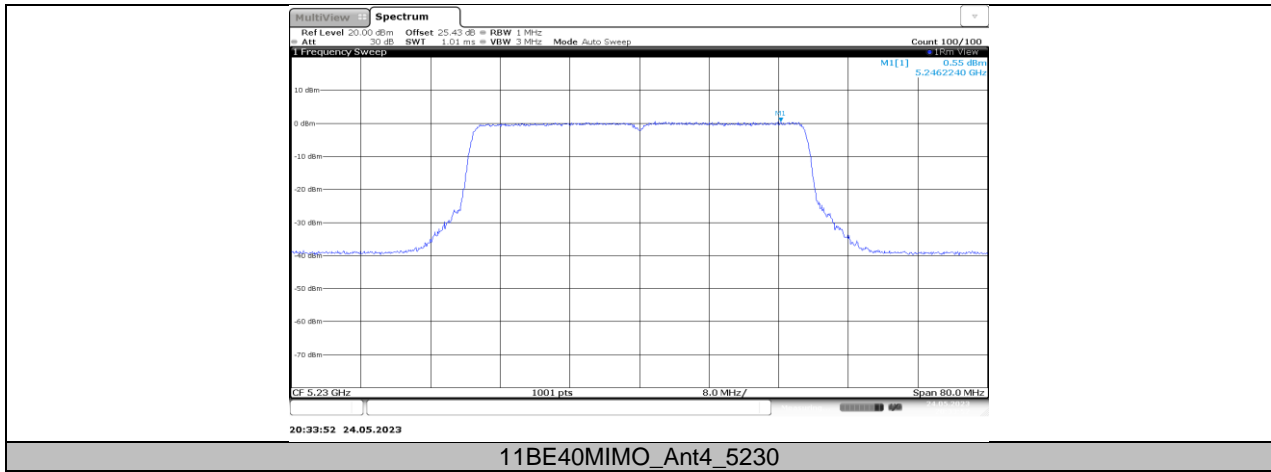
11BE40MIMO\_Ant1\_5190

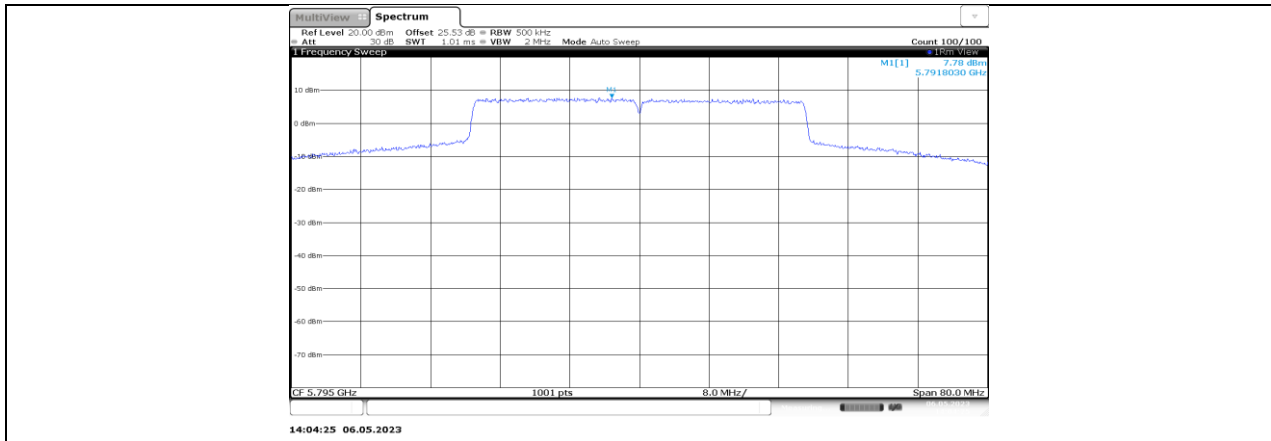


11BE40MIMO\_Ant4\_5190

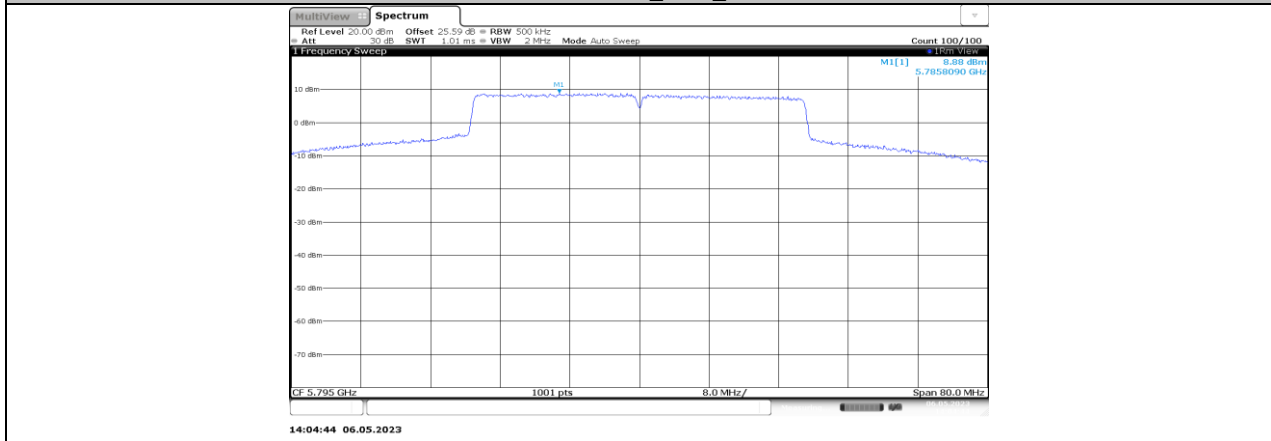


11BE40MIMO\_Ant1\_5230

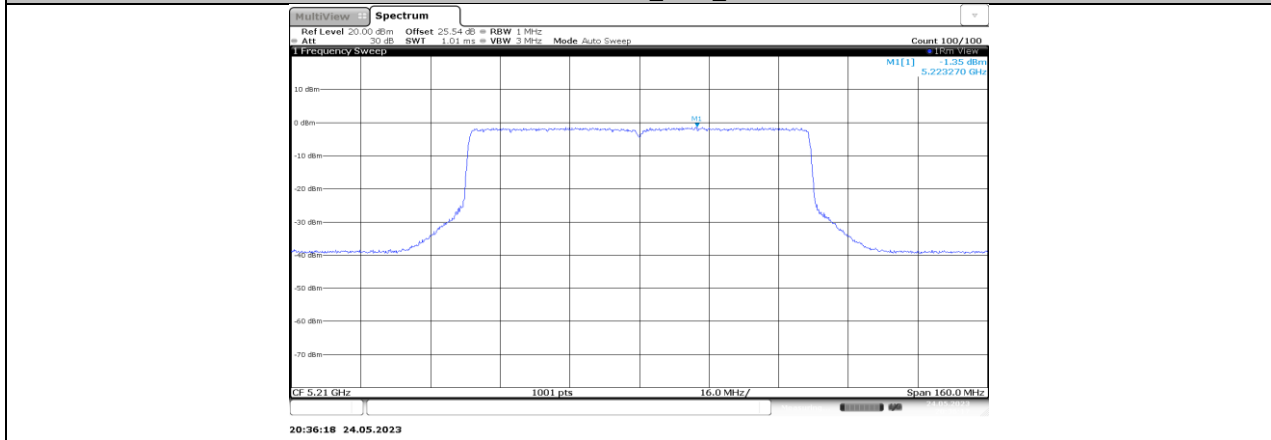




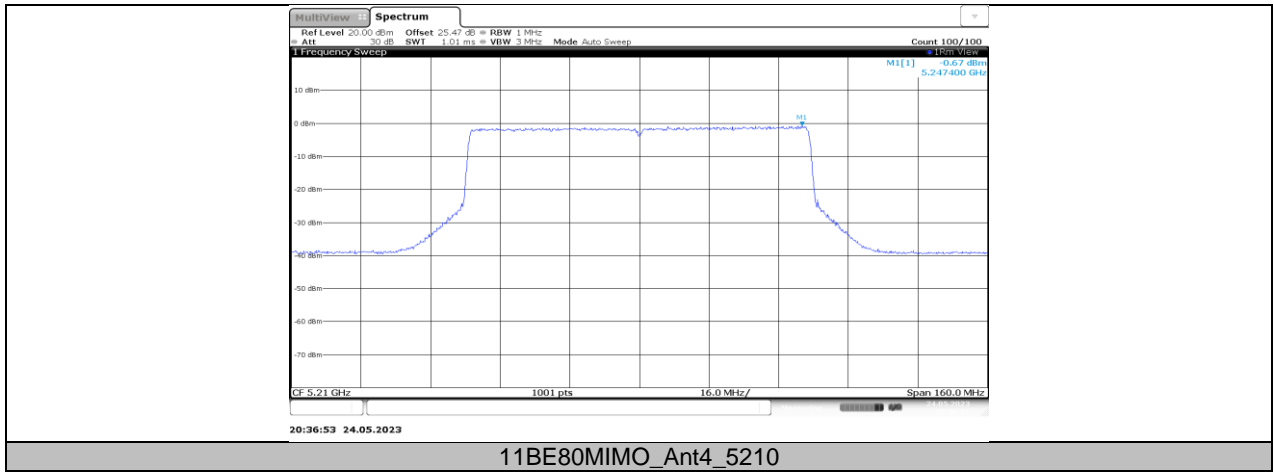
11BE40MIMO\_Ant1\_5795



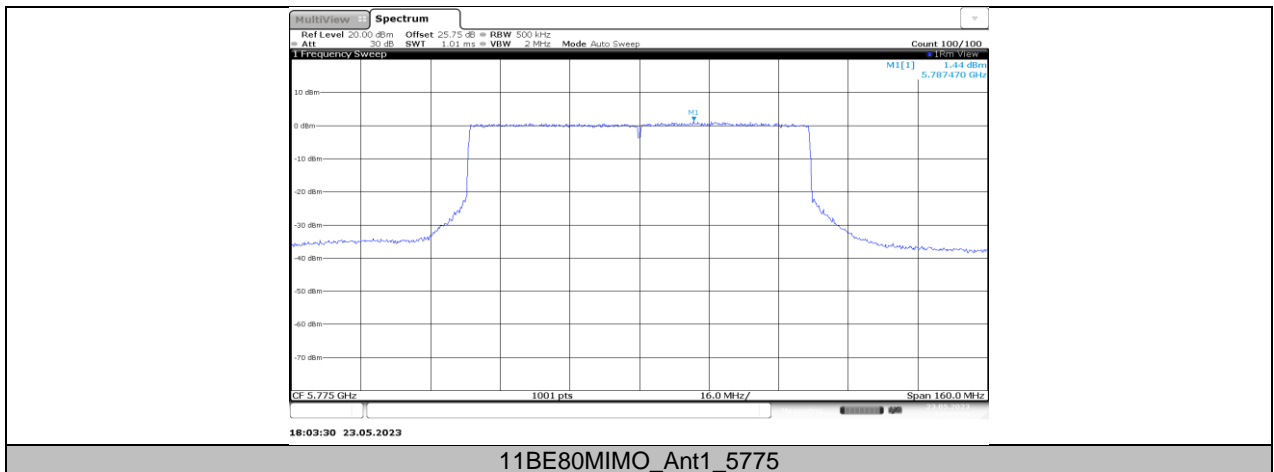
11BE40MIMO\_Ant4\_5795



11BE80MIMO\_Ant1\_5210



11BE80MIMO\_Ant4\_5210



11BE80MIMO\_Ant1\_5775









## 11.6. APPENDIX F: FREQUENCY STABILITY

### 11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0155	2.98	5199.9975	-0.47	5200.0137	2.64	5200.0083	1.60
TN	VN	5200.0151	2.91	5199.9806	-3.72	5200.0111	2.14	5200.0211	4.05
TN	VH	5199.9861	-2.67	5199.9953	-0.91	5200.0153	2.94	5200.0154	2.96

Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	VN	5199.9782	-4.19	5200.0098	1.89	5199.9780	-4.24	5199.9973	-0.52
30	VN	5199.9819	-3.48	5199.9930	-1.35	5199.9978	-0.42	5199.9959	-0.79
20	VN	5199.9981	-0.37	5200.0191	3.66	5199.9928	-1.39	5199.9811	-3.63
10	VN	5199.9782	-4.20	5199.9771	-4.40	5200.0191	3.67	5200.0034	0.65
0	VN	5200.0244	4.70	5200.0154	2.96	5199.9826	-3.34	5199.9931	-1.33

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

## 11.7. APPENDIX G: DUTY CYCLE

### 11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A-CDD	2.09	2.24	0.9330	93.30	0.30	0.48	0.5
11AX20MIMO	3.75	3.90	0.9615	96.15	0.17	0.27	0.5
11AX40MIMO	3.77	3.91	0.9642	96.42	0.16	0.27	0.5
11AX80MIMO	2.67	2.95	0.9051	90.51	0.43	0.37	0.5
11AX160MIMO	1.72	1.90	0.9053	90.53	0.43	0.58	1
11BE20MIMO	4.68	4.82	0.9710	97.10	0.13	0.21	0.5
11BE40MIMO	3.78	3.88	0.9742	97.42	0.11	0.26	0.5
11BE80MIMO	3.39	3.53	0.9603	96.03	0.18	0.29	0.5
11BE160MIMO	1.73	1.91	0.9058	90.58	0.43	0.58	1

Note:

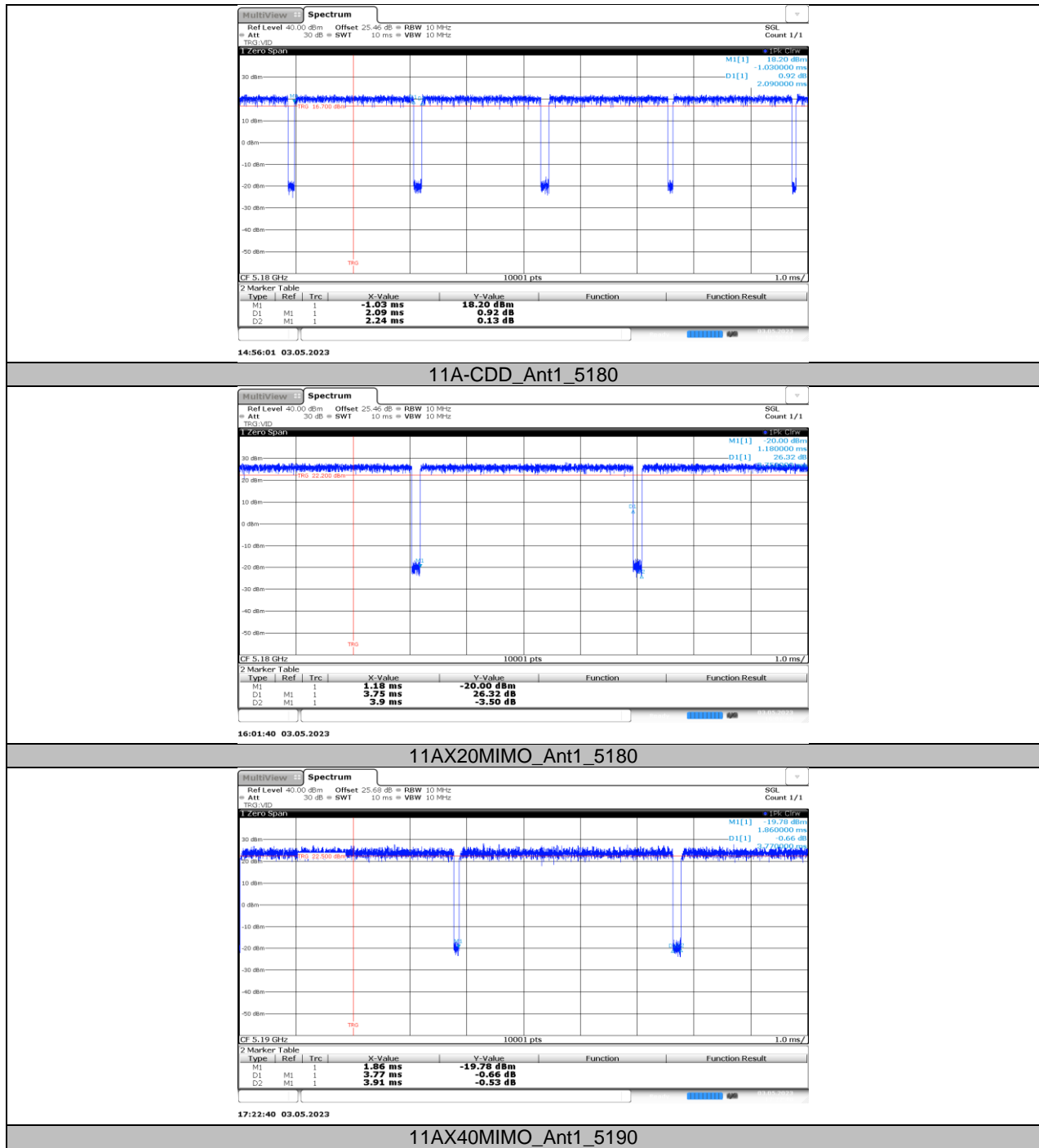
Duty Cycle Correction Factor=10log (1/x).

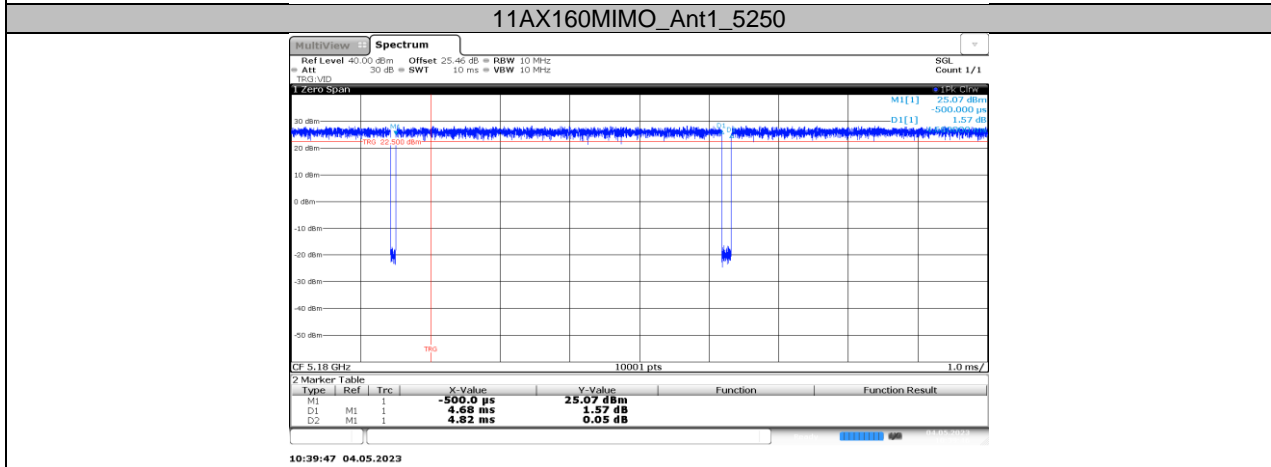
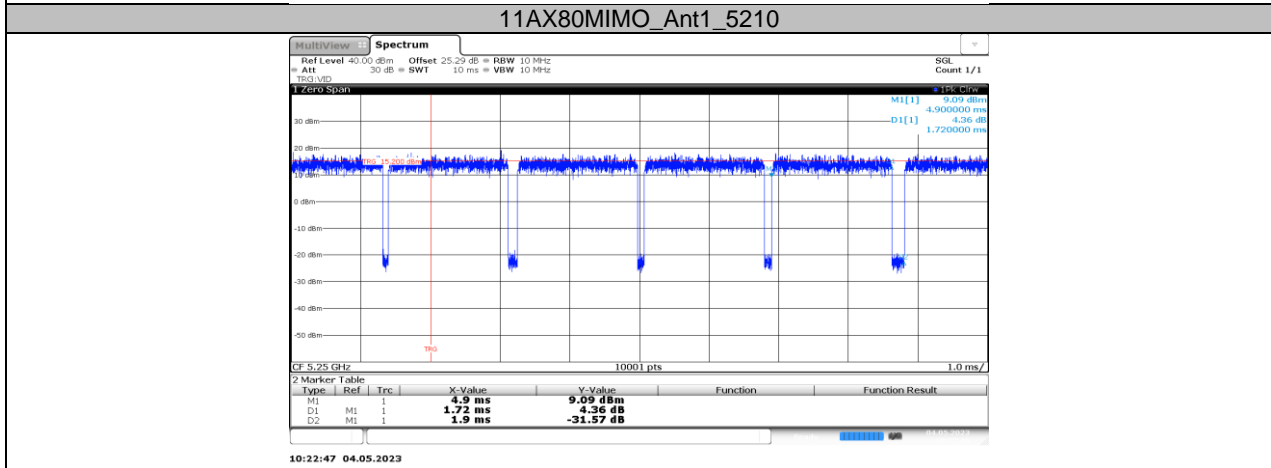
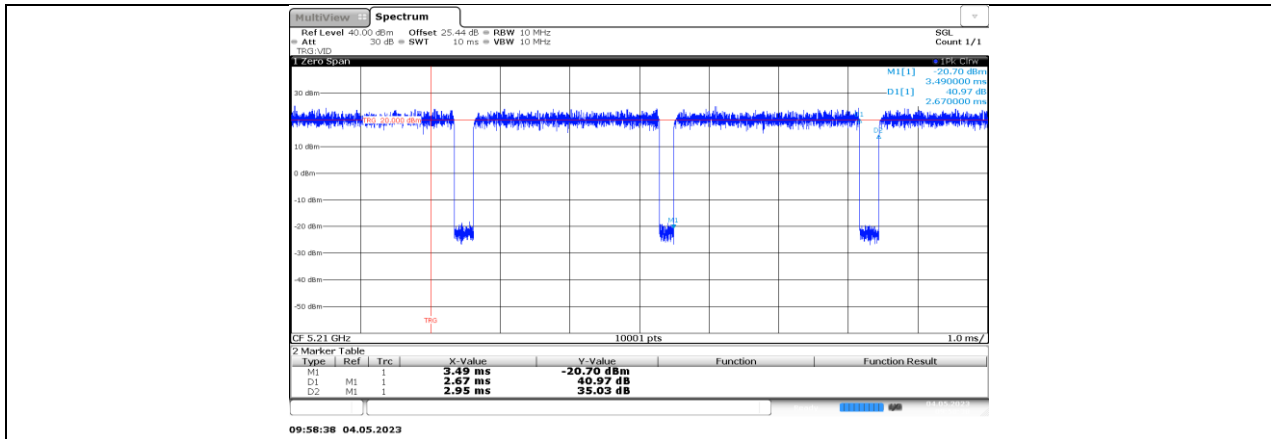
Where: x is Duty Cycle (Linear)

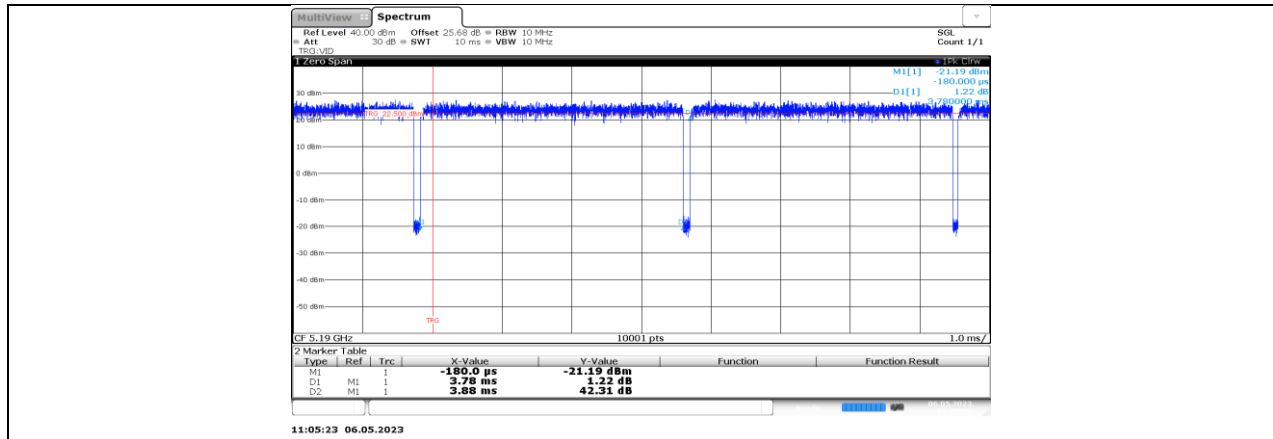
Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

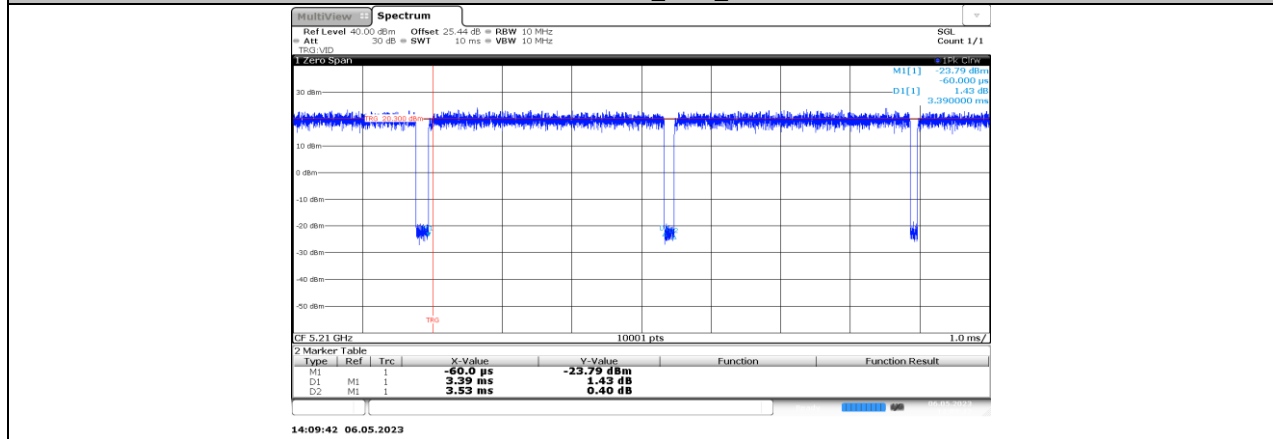
### 11.7.2. Test Graphs



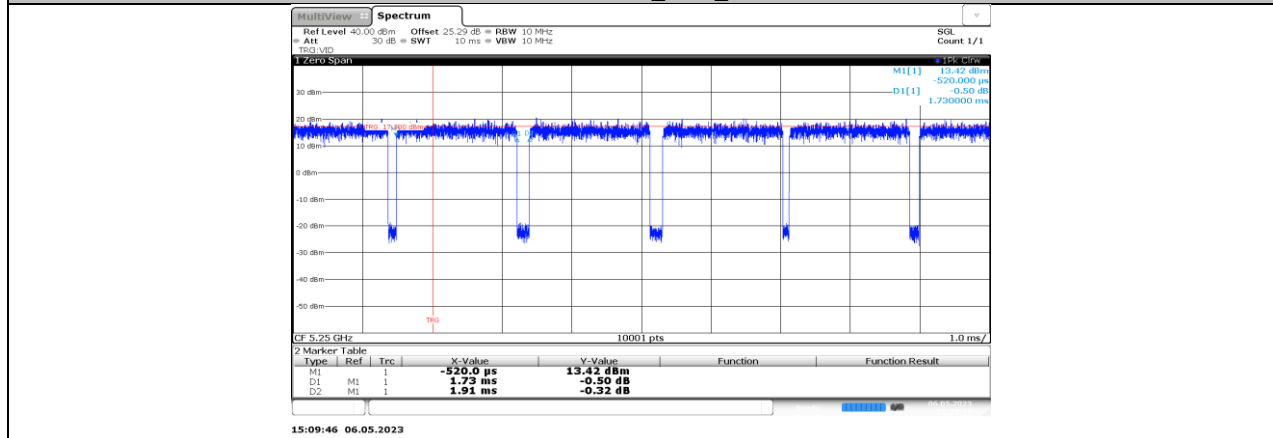




11BE40MIMO\_Ant1\_5190



11BE80MIMO\_Ant1\_5210



11BE160MIMO\_Ant1\_5250

**END OF REPORT**