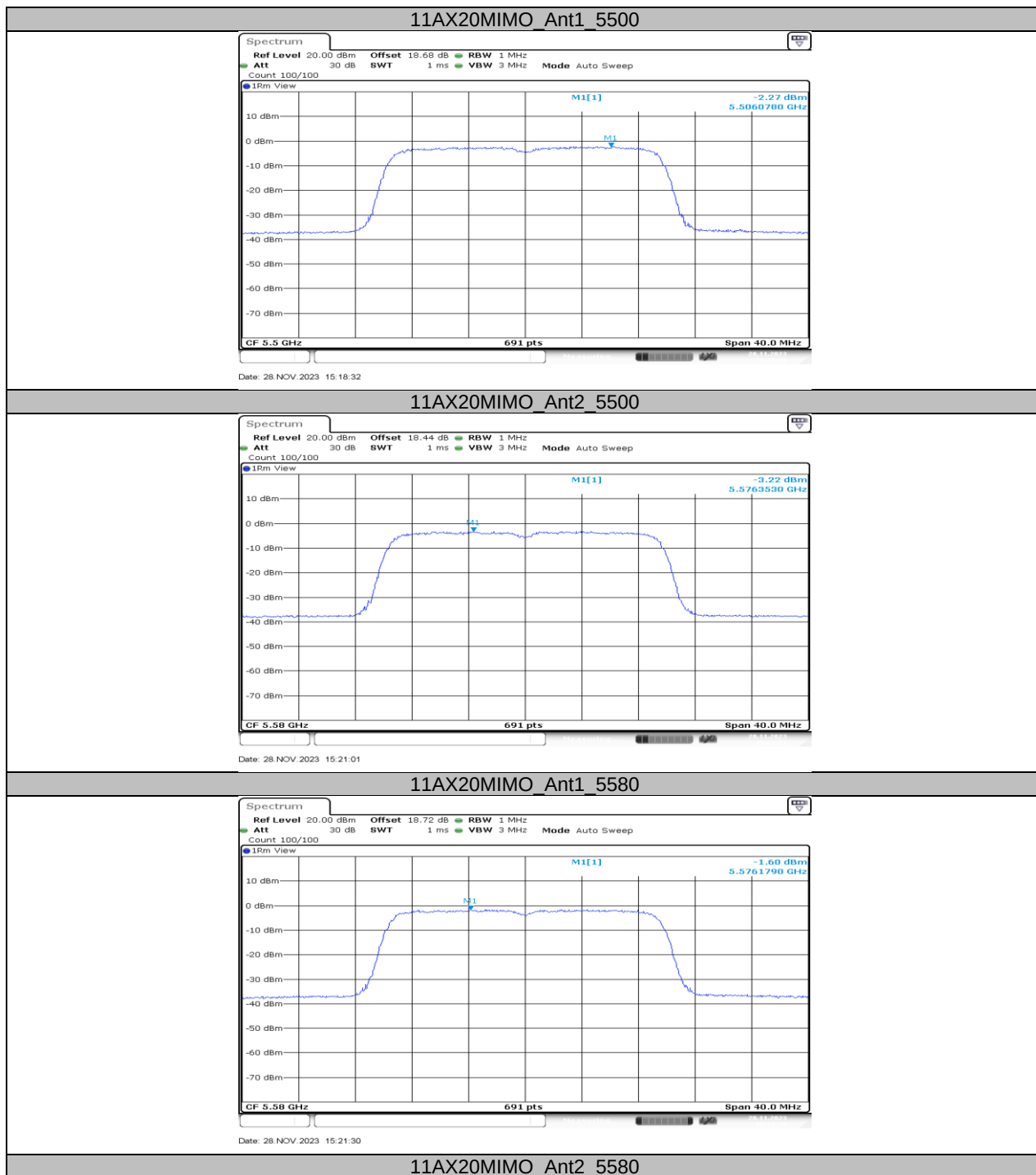
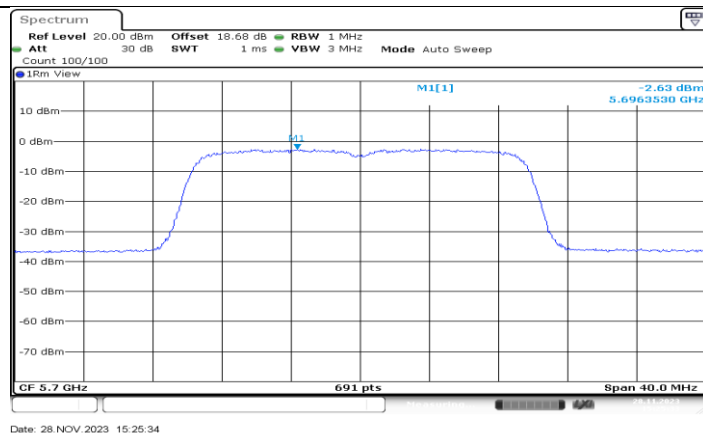
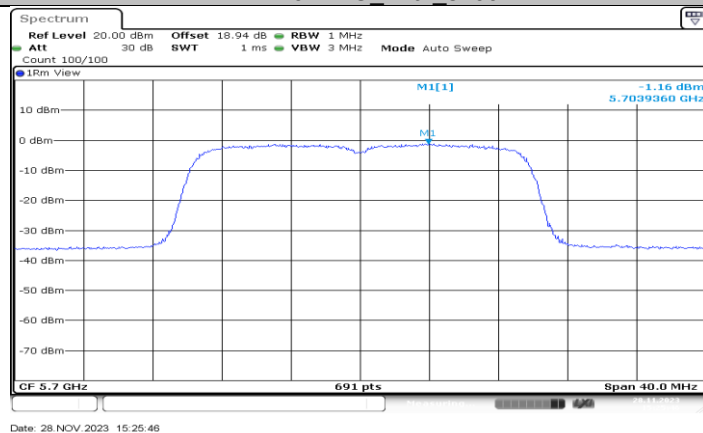


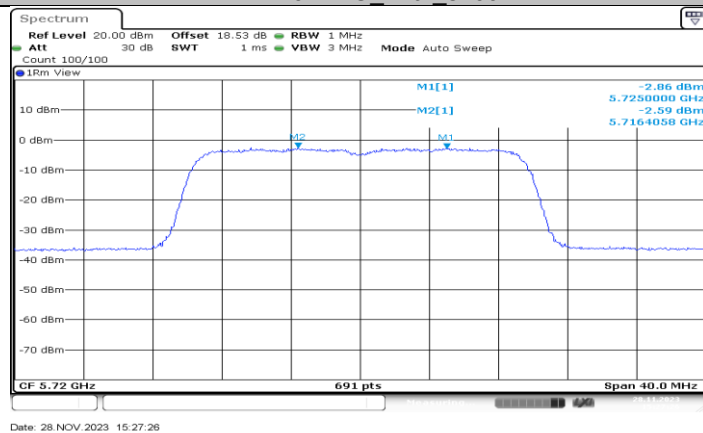




11AX20MIMO_Ant1_5700



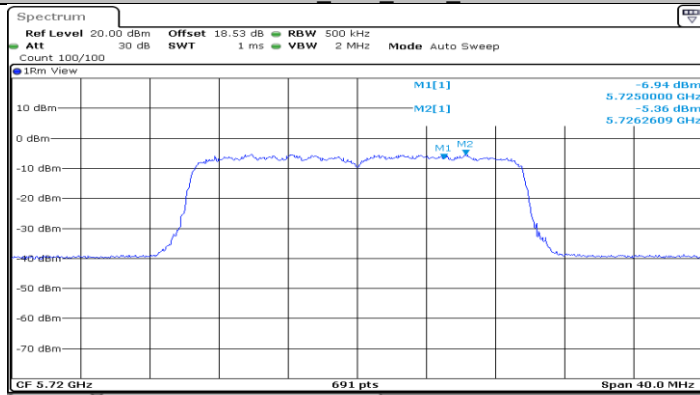
11AX20MIMO_Ant2_5700



11AX20MIMO_Ant1_5720_UNII-2C

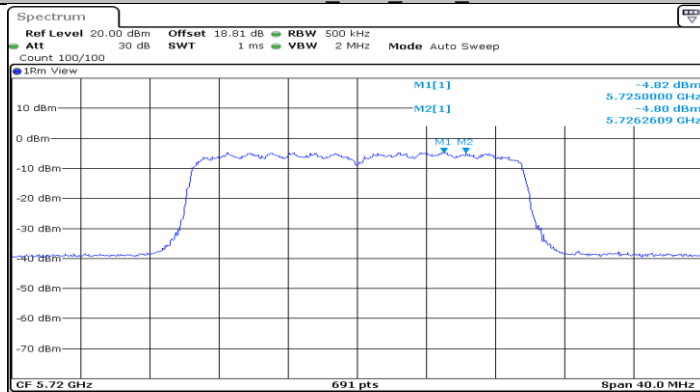


11AX20MIMO_Ant2_5720_UNII-2C



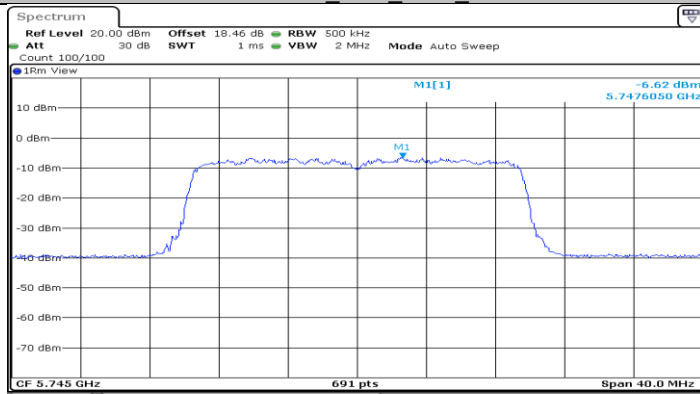
Date: 28.NOV.2023 15:27:32

11AX20MIMO_Ant1_5720_UNII-3



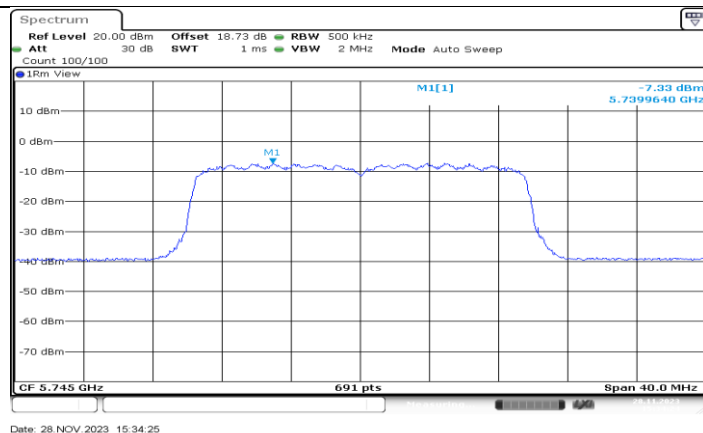
Date: 28.NOV.2023 15:28:42

11AX20MIMO_Ant2_5720_UNII-3

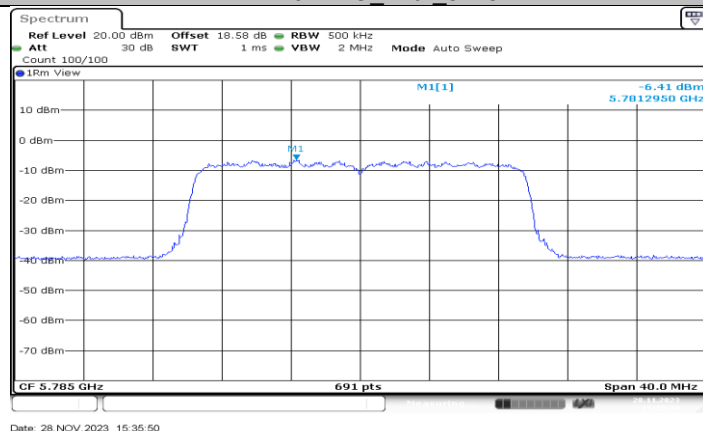


Date: 28.NOV.2023 15:34:12

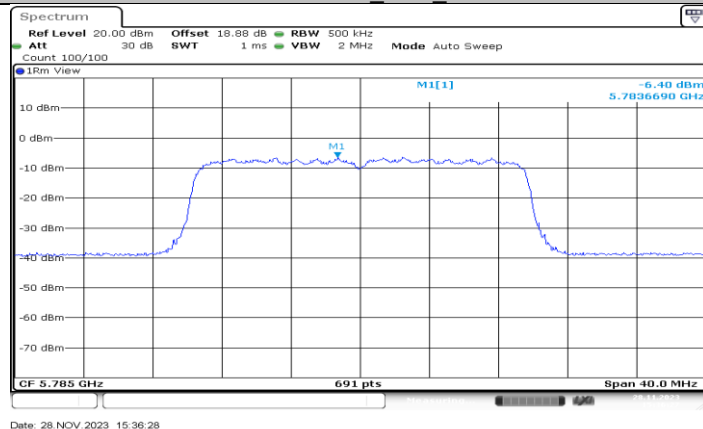
11AX20MIMO_Ant1_5745



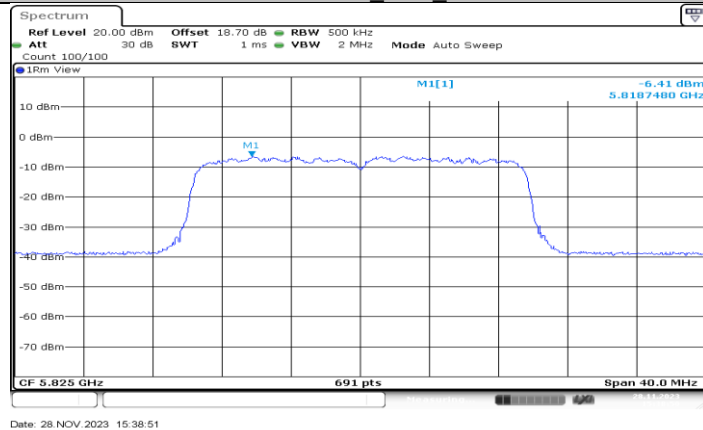
11AX20MIMO_Ant2_5745



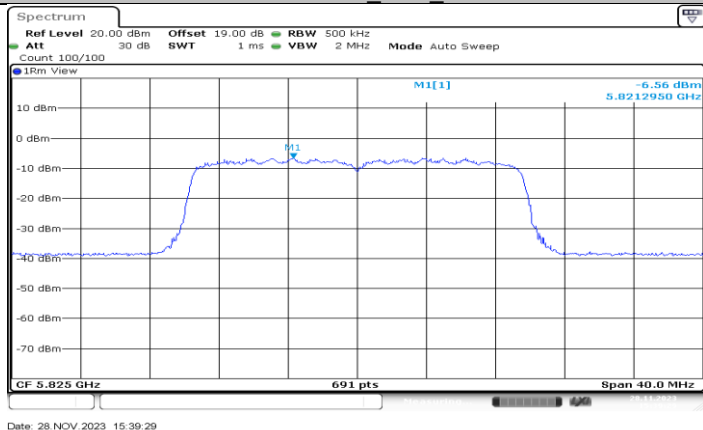
11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785

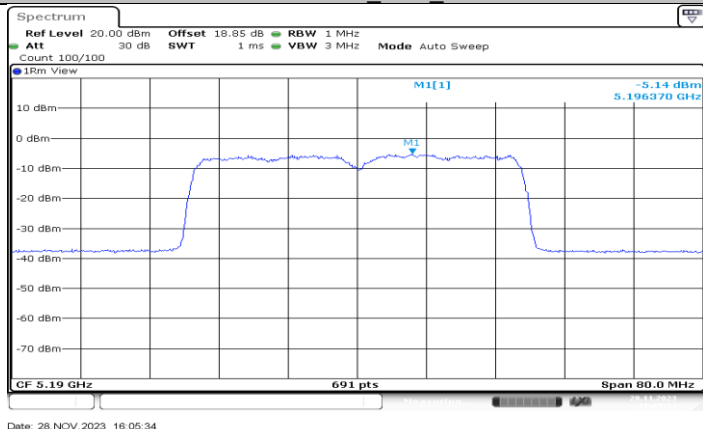


11AX20MIMO_Ant1_5825



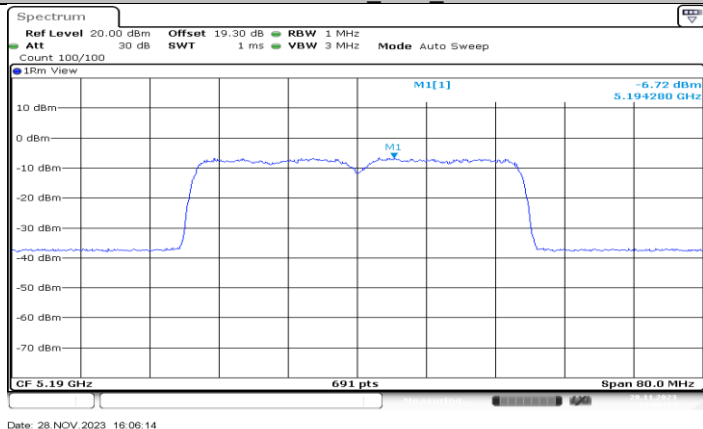
Date: 28.NOV.2023 15:39:29

11AX20MIMO_Ant2_5825



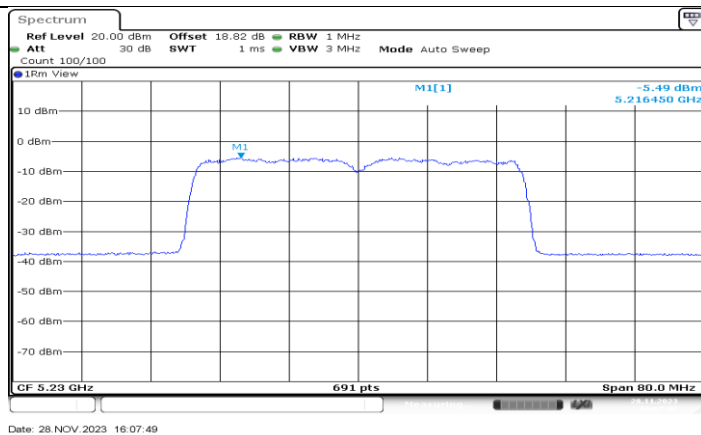
Date: 28.NOV.2023 16:05:34

11AX40MIMO_Ant1_5190



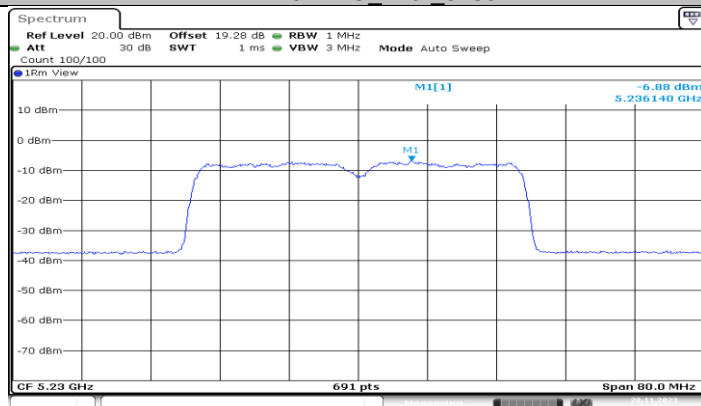
Date: 28.NOV.2023 16:06:14

11AX40MIMO_Ant2_5190



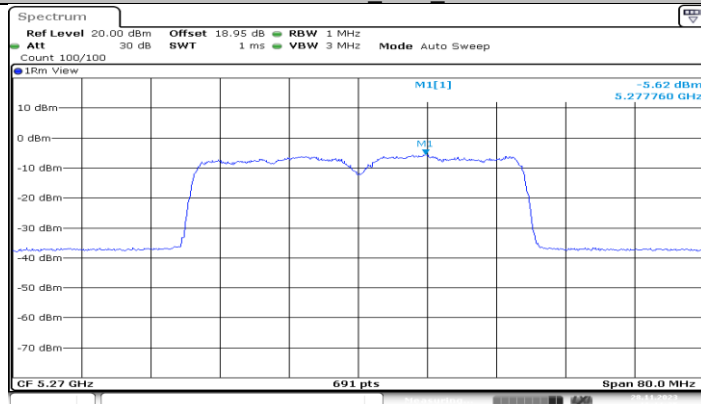
Date: 28.NOV.2023 16:07:49

11AX40MIMO_Ant1_5230



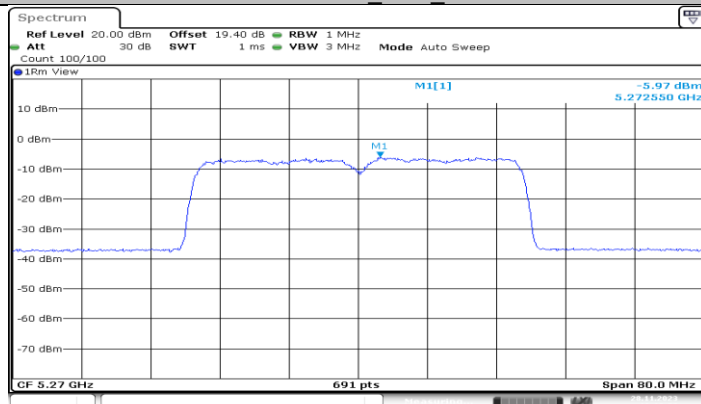
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11AX40MIMO_Ant2_5230

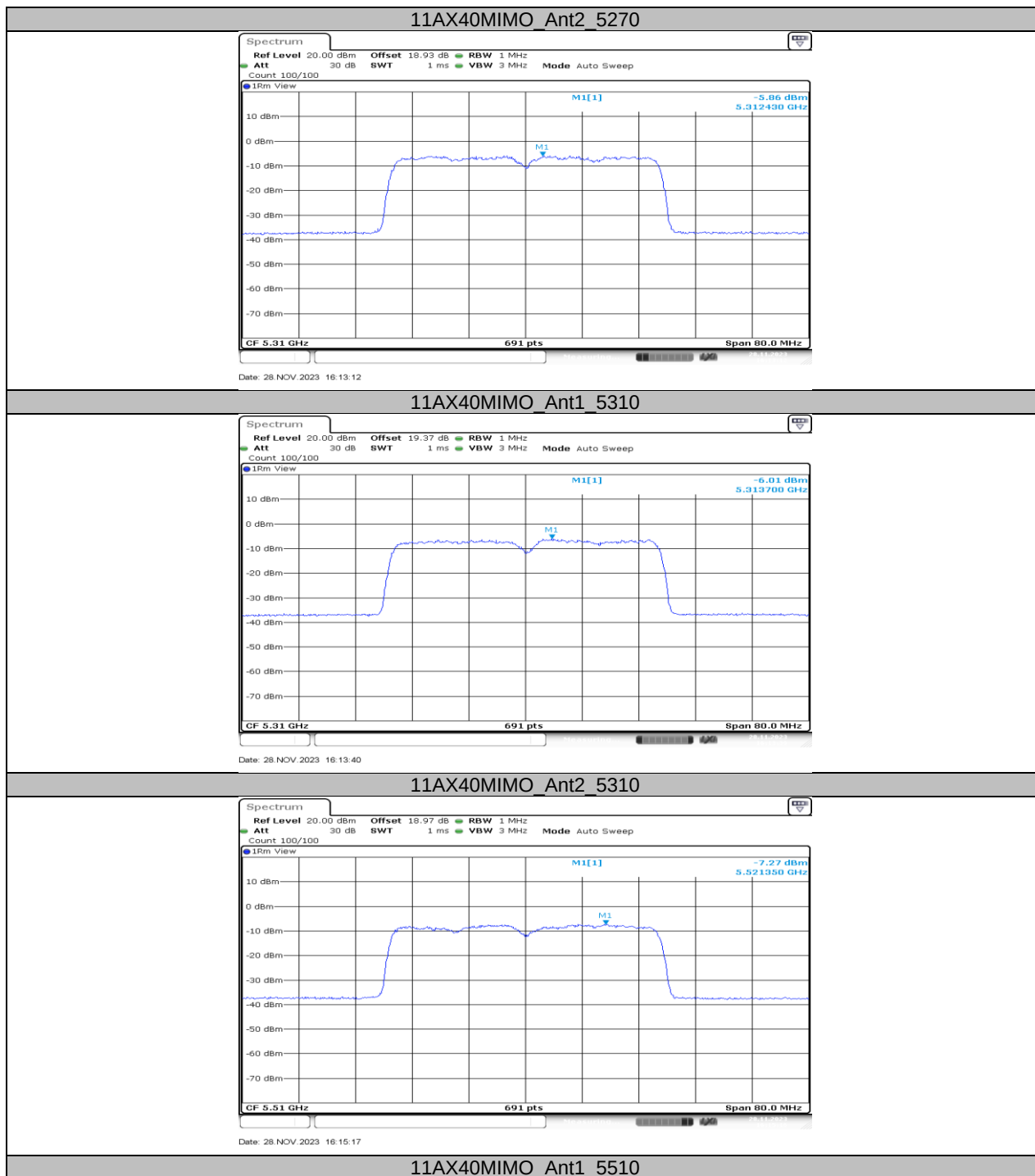


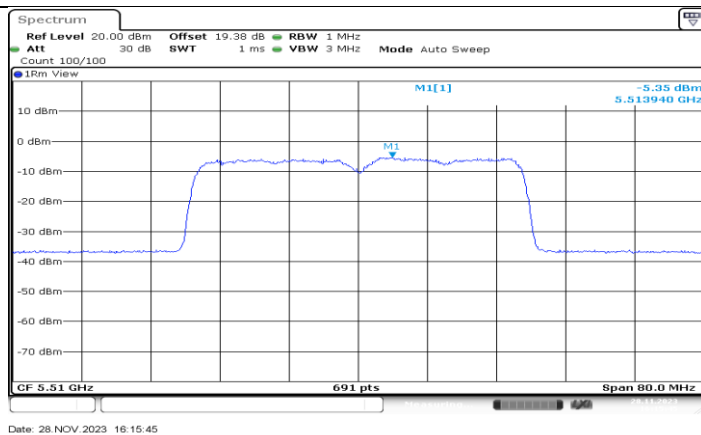
Date: 28.NOV.2023 16:11:35

11AX40MIMO_Ant1_5270

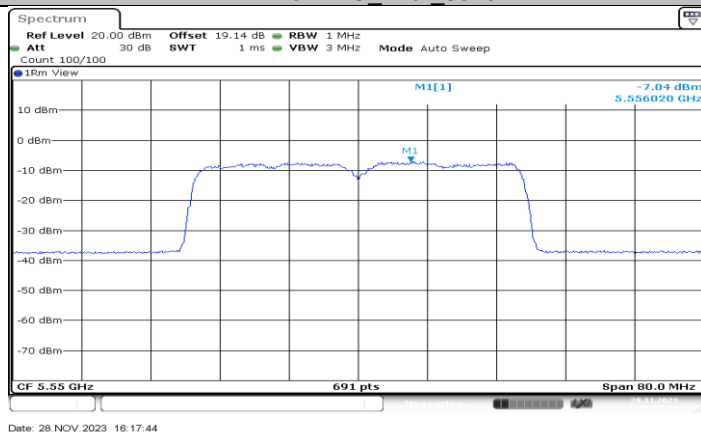


Date: 28.NOV.2023 16:12:03

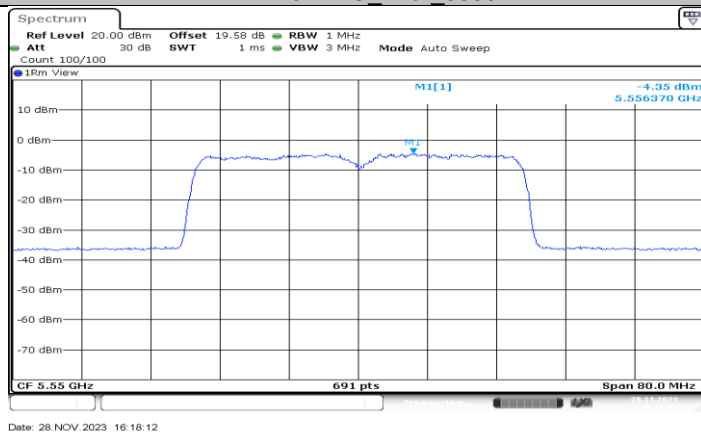




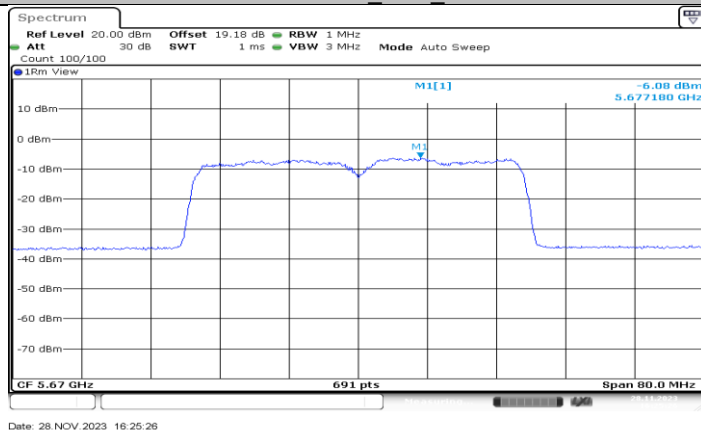
11AX40MIMO_Ant2_5510



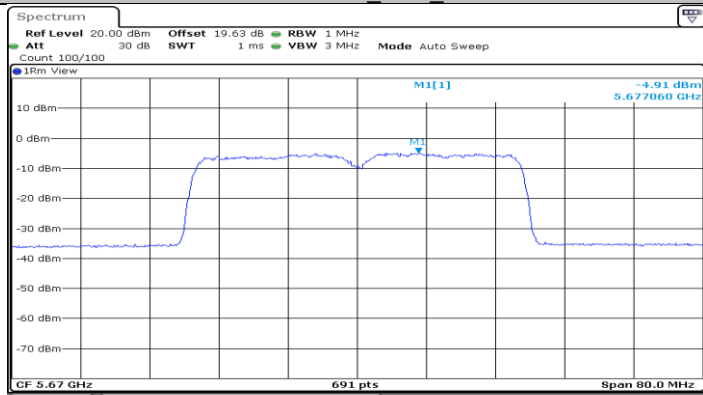
11AX40MIMO_Ant1_5550



11AX40MIMO_Ant2_5550

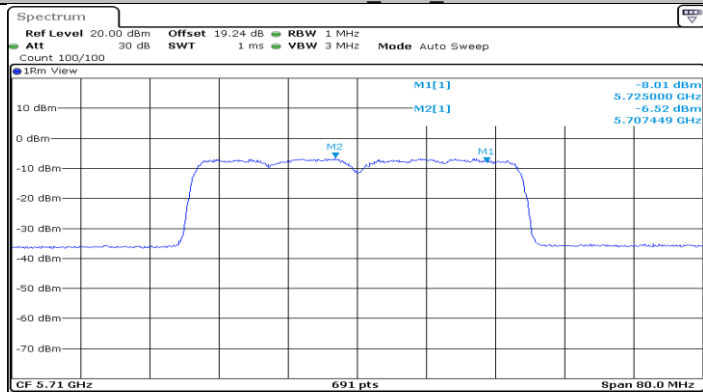


11AX40MIMO_Ant1_5670



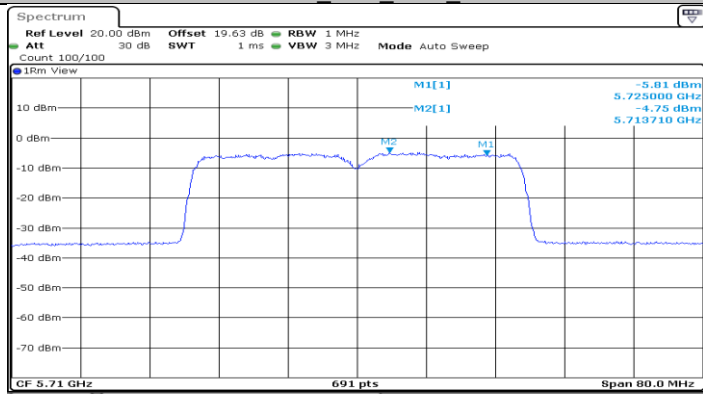
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11AX40MIMO_Ant2_5670



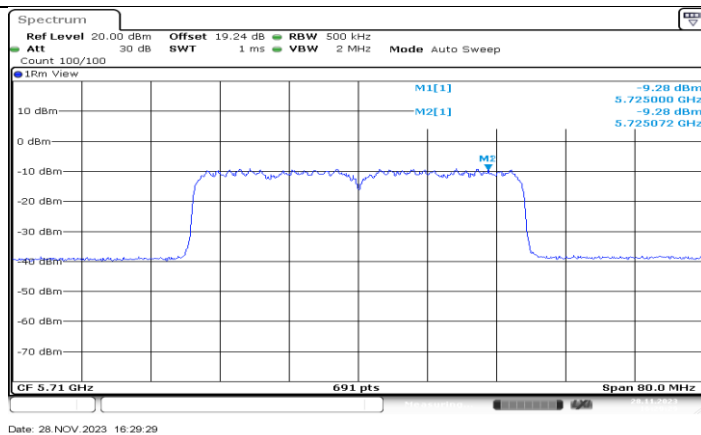
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11AX40MIMO_Ant1_5710_UNII-2C

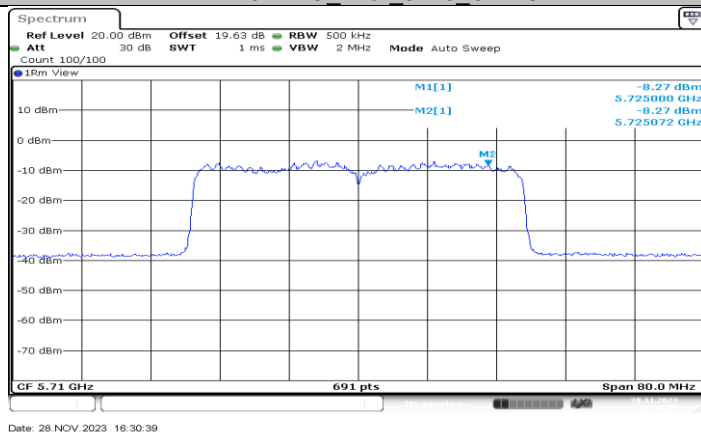


Date: 28.NOV.2023 16:30:33

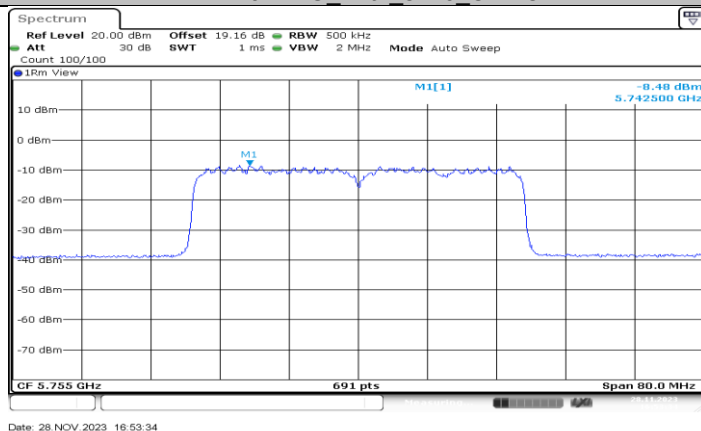
11AX40MIMO_Ant2_5710_UNII-2C



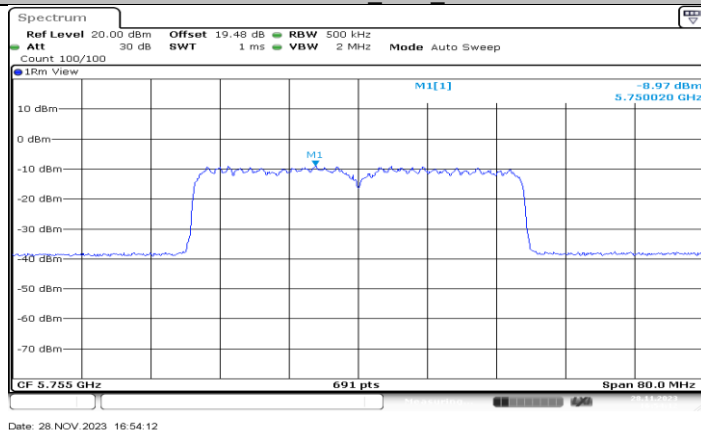
11AX40MIMO_Ant1_5710_UNII-3

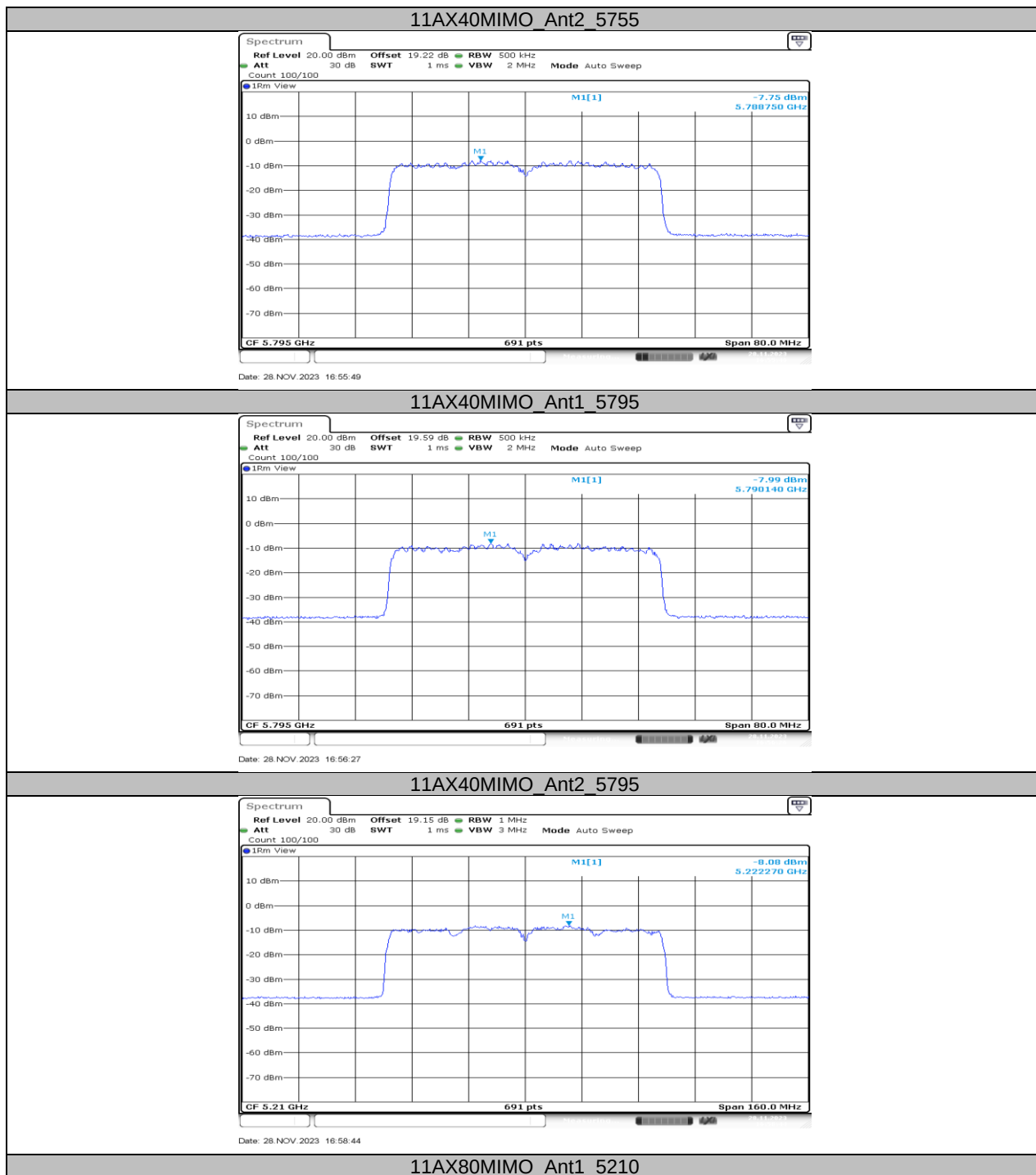


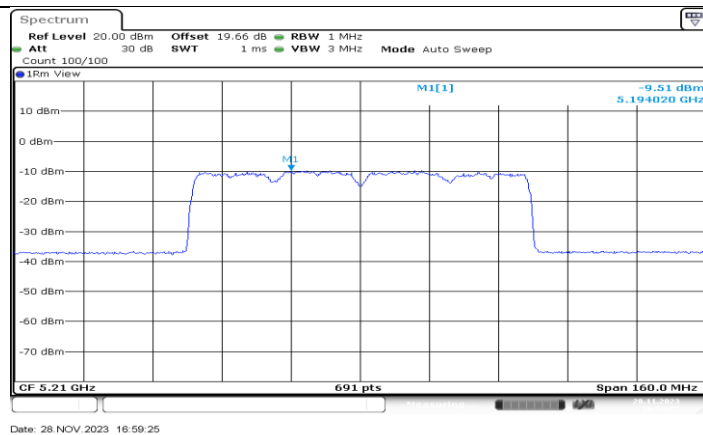
11AX40MIMO_Ant2_5710_UNII-3



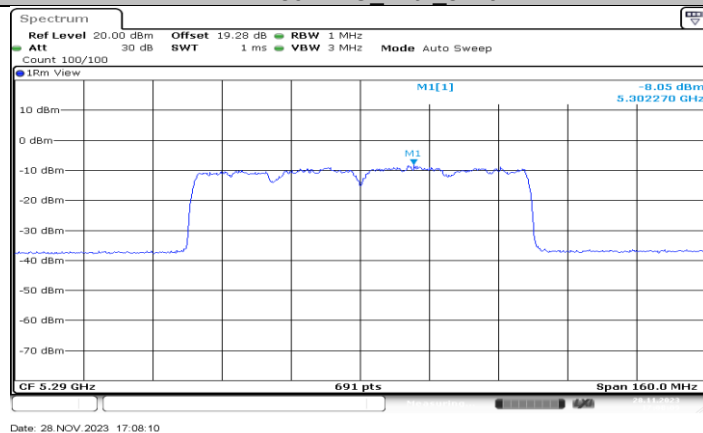
11AX40MIMO_Ant1_5755



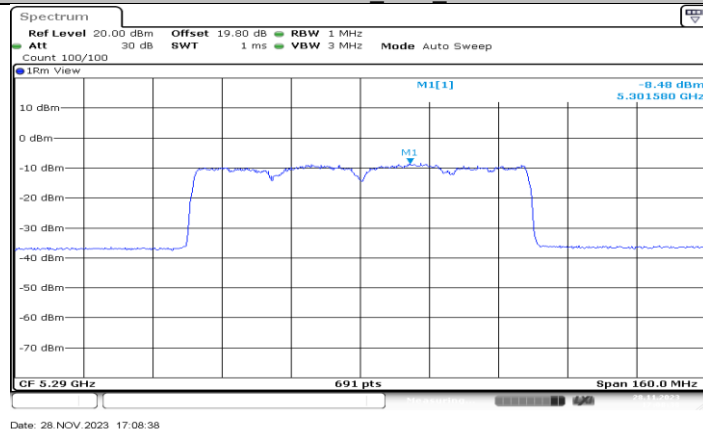




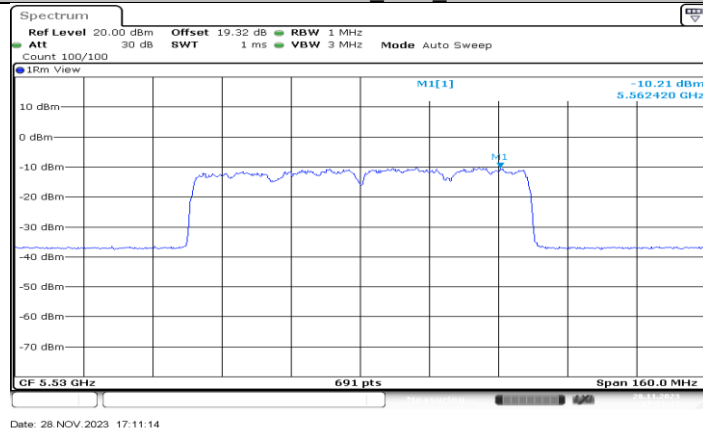
11AX80MIMO_Ant2_5210



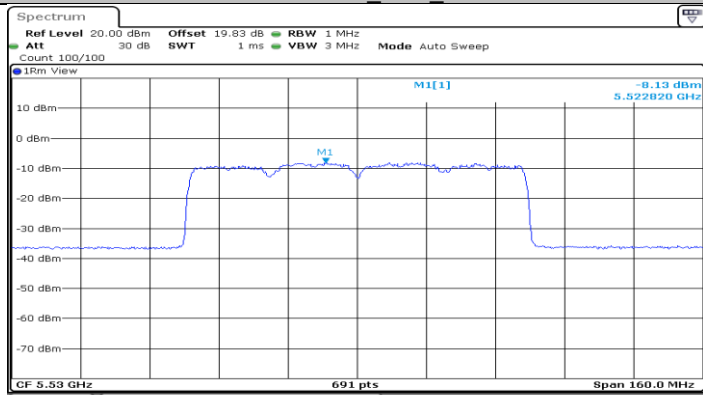
11AX80MIMO_Ant1_5290



11AX80MIMO_Ant2_5290

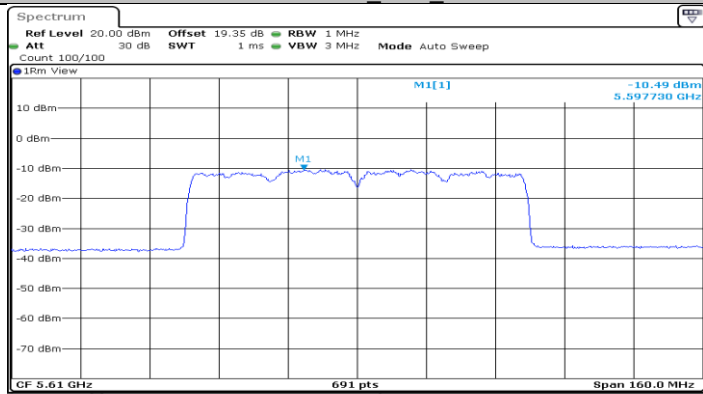


11AX80MIMO_Ant1_5530



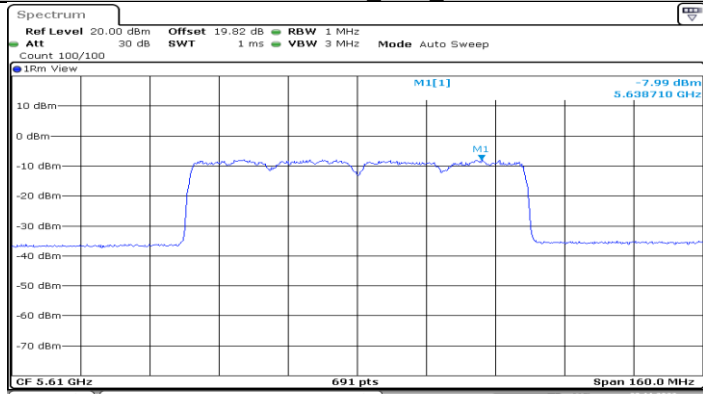
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11AX80MIMO_Ant2_5530



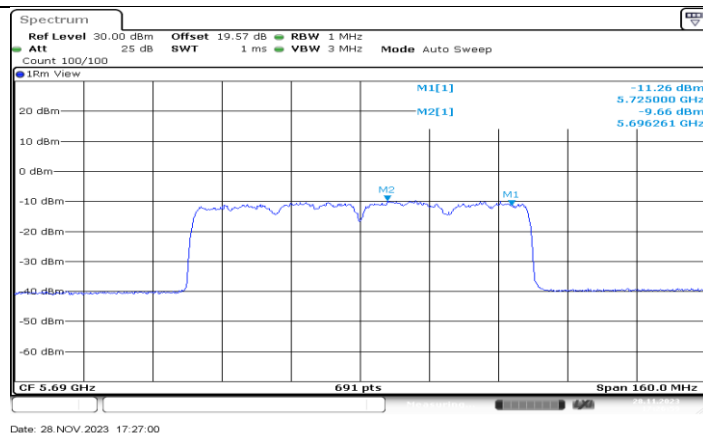
Date: 28.NOV.2023 17:15:42

11AX80MIMO_Ant1_5610

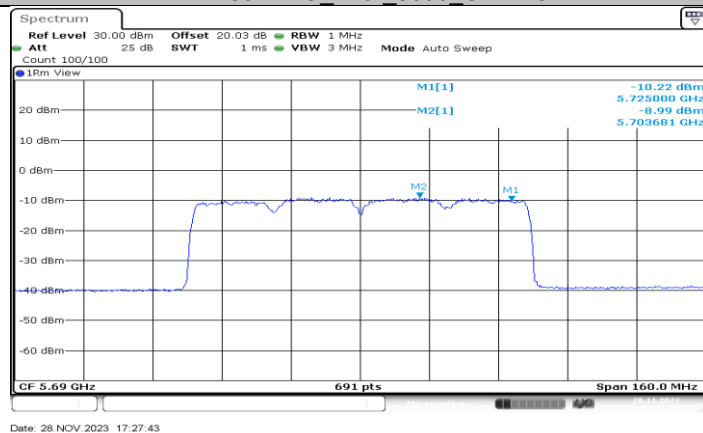


Date: 28.NOV.2023 17:16:10

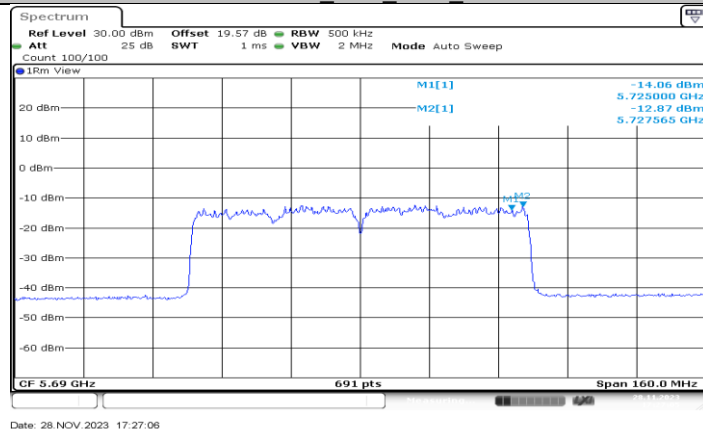
11AX80MIMO_Ant2_5610



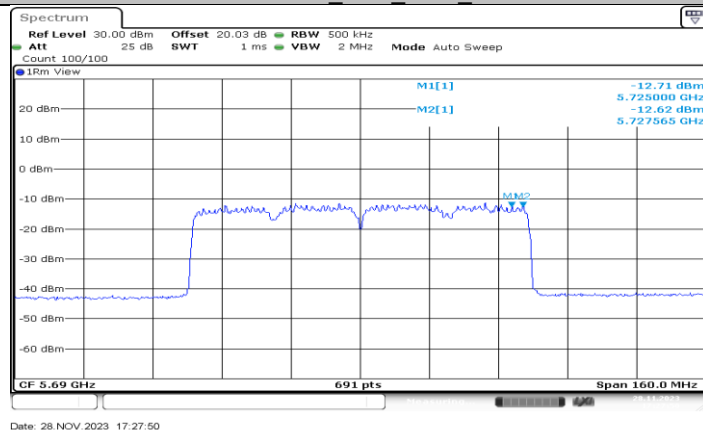
11AX80MIMO Ant1 5690 UNII-2C

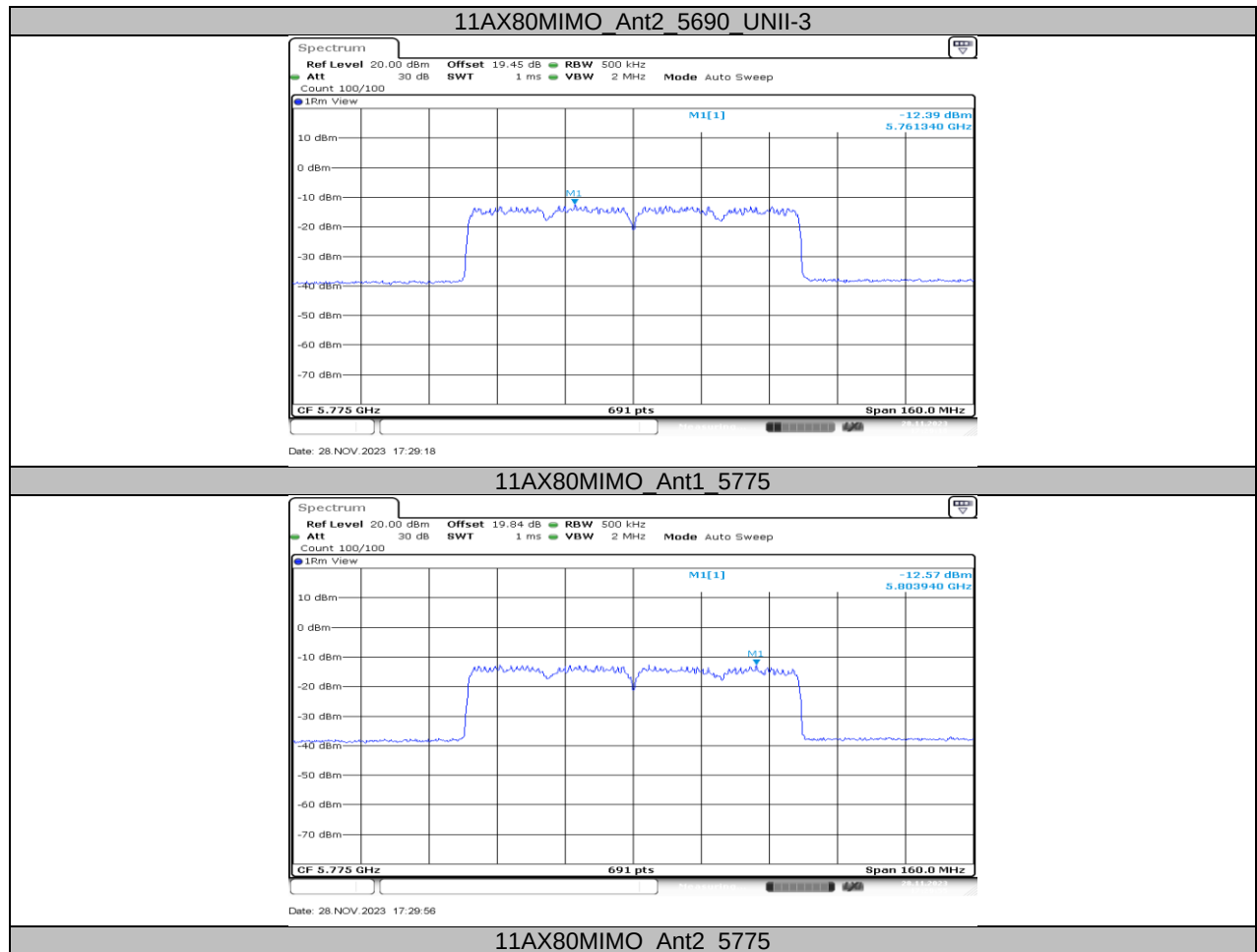


11AX80MIMO Ant2 5690 UNII-2C



11AX80MIMO Ant1 5690 UNII-3





11.6. APPENDIX E: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a: 5180 MHz									
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	5180.0212	4.10	5180.0038	0.73	5179.9973	-0.53	5179.9930	-1.35
TN	VN	5179.9826	-3.36	5179.9887	-2.18	5180.0042	0.81	5180.0231	4.46
TN	VH	5180.0174	3.37	5179.9929	-1.37	5180.0008	0.15	5179.9818	-3.51
Frequency Error vs. Temperature									
802.11a: 5180 MHz									
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)
70	VN	5179.9755	-4.74	5180.0131	2.52	5180.0191	3.70	5180.0159	3.07
60	VN	5180.0129	2.50	5179.9755	-4.73	5179.9873	-2.45	5179.9895	-2.02
50	VN	5179.9969	-0.59	5180.0221	4.26	5179.9924	-1.47	5180.0185	3.56
40	VN	5180.0028	0.55	5179.9762	-4.60	5179.9764	-4.56	5179.9829	-3.30
30	VN	5179.9870	-2.51	5180.0212	4.10	5180.0174	3.35	5180.0062	1.20
20	VN	5179.9969	-0.60	5180.0166	3.21	5179.9866	-2.58	5180.0005	0.10
10	VN	5180.0014	0.27	5180.0185	3.58	5179.9852	-2.85	5179.9796	-3.93
0	VN	5179.9879	-2.34	5180.0057	1.10	5179.9878	-2.36	5179.9998	-0.03
-10	VN	5179.9994	-0.11	5179.9792	-4.01	5179.9772	-4.39	5180.0111	2.15

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.

Frequency Error vs. Voltage									
802.11a: 5825 MHz									
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	5825.0207	3.56	5825.0076	1.31	5825.0188	3.22	5825.0184	3.16
TN	VN	5825.0006	0.11	5824.9791	-3.59	5824.9852	-2.55	5825.0084	1.44
TN	VH	5824.9763	-4.07	5825.0070	1.21	5825.0057	0.97	5825.0032	0.55
Frequency Error vs. Temperature									
802.11a: 5825 MHz									
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)
70	VN	5825.0250	4.28	5824.9800	-3.43	5824.9885	-1.97	5824.9986	-0.24
60	VN	5824.9970	-0.51	5824.9837	-2.80	5824.9914	-1.48	5824.9843	-2.70
50	VN	5824.9904	-1.64	5825.0032	0.54	5825.0028	0.48	5825.0156	2.68
40	VN	5825.0045	0.77	5824.9819	-3.11	5824.9984	-0.28	5824.9780	-3.77
30	VN	5824.9811	-3.25	5824.9994	-0.11	5824.9785	-3.70	5825.0233	3.99
20	VN	5825.0178	3.06	5824.9843	-2.70	5824.9760	-4.12	5824.9837	-2.80
10	VN	5824.9751	-4.27	5825.0153	2.62	5824.9831	-2.90	5825.0171	2.94
0	VN	5825.0000	0.00	5824.9823	-3.04	5824.9999	-0.02	5825.0230	3.95
-10	VN	5824.9760	-4.12	5825.0224	3.84	5825.0162	2.78	5825.0084	1.44

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 F: 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	1.4	1.5	0.9333	93.33	0.30	0.71	1
11N20MIMO	1.29	1.39	0.9281	92.81	0.32	0.78	1
11N40MIMO	0.64	0.74	0.8649	86.49	0.63	1.56	2
11AC80MIMO	0.32	0.42	0.7619	76.19	1.18	3.13	4
11AX20MIMO	0.12	0.22	0.5455	54.55	2.63	8.33	9
11AX40MIMO	0.09	0.19	0.4737	47.37	3.25	11.11	12
11AX80MIMO	0.08	0.18	0.4444	44.44	3.52	12.50	13

Note:

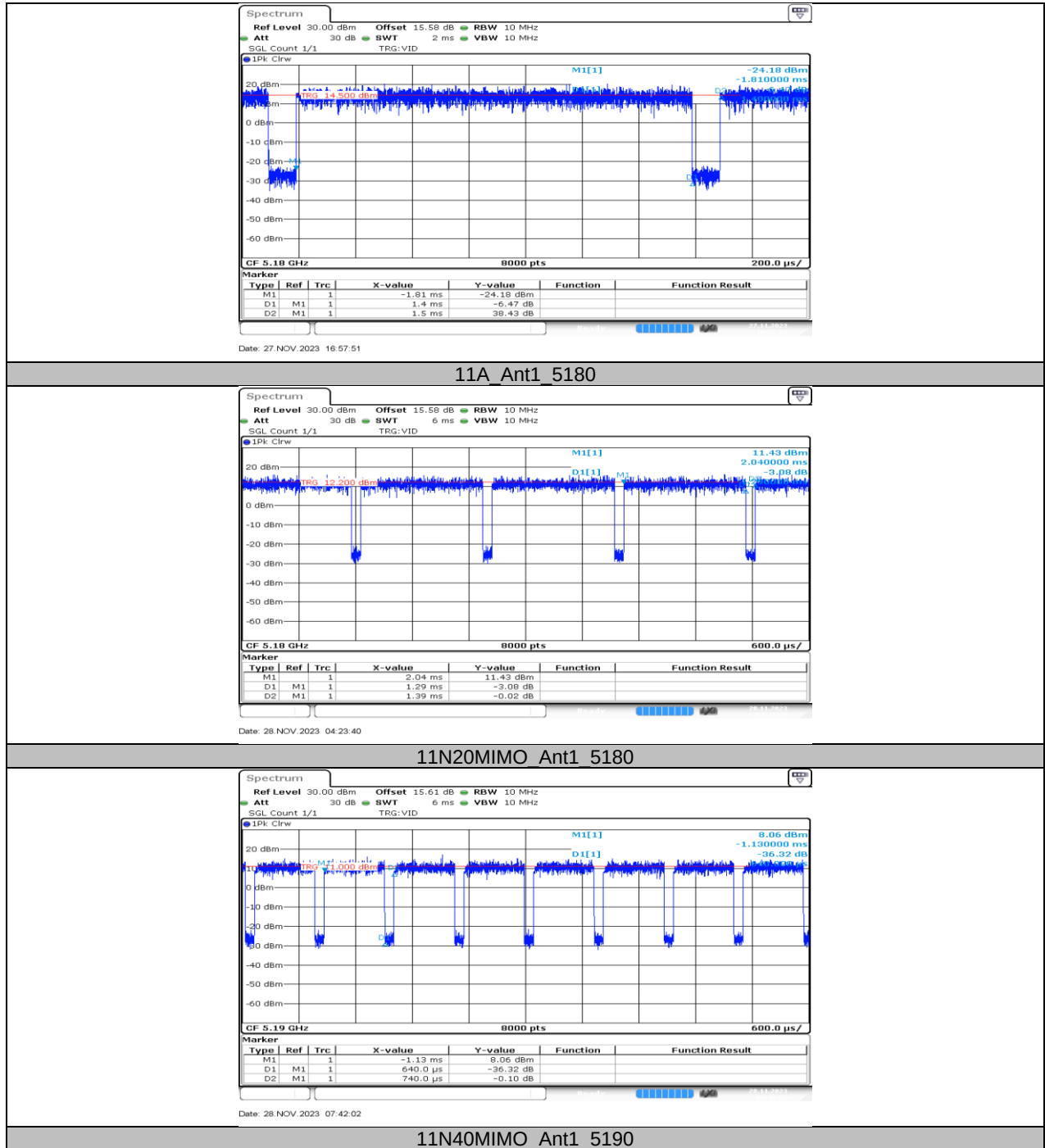
Duty Cycle Correction Factor=10log (1/x).

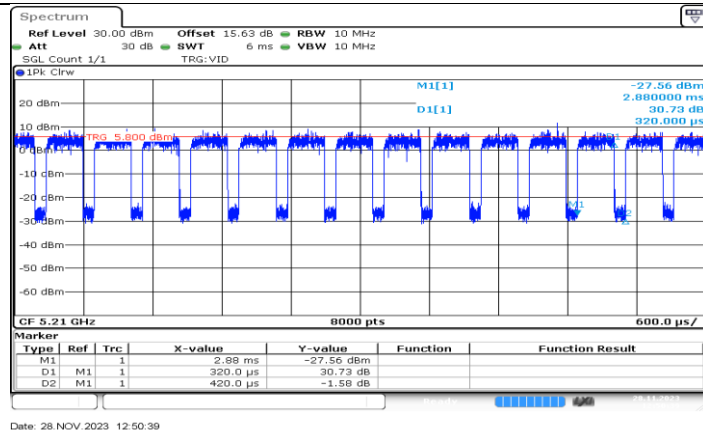
Where: x is Duty Cycle (Linear)

Where: T is On Time

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

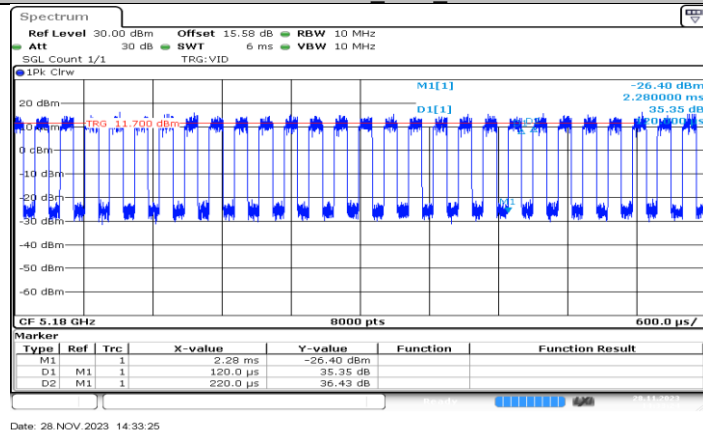
11.7.2. Test Graphs





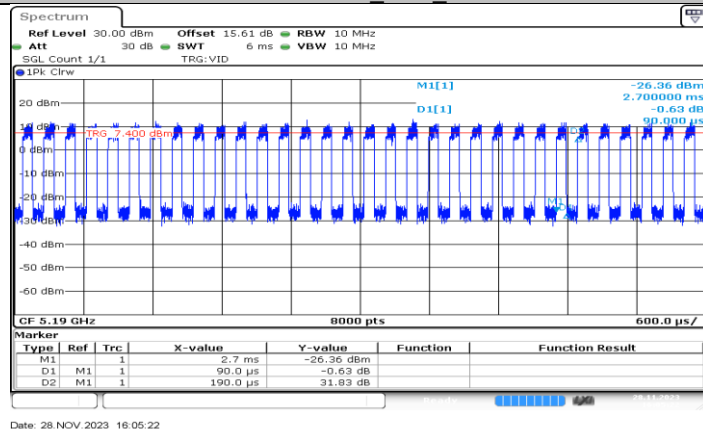
Date: 28.NOV.2023 12:50:39

11AC80MIMO_Ant1_5210



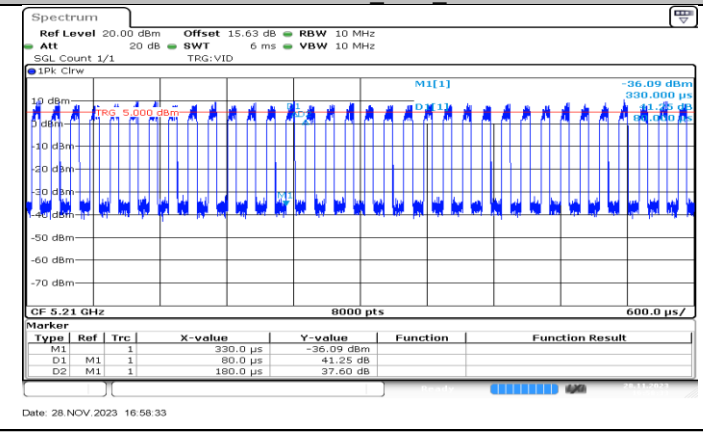
Date: 28.NOV.2023 14:33:25

11AX20MIMO_Ant1_5180



Date: 28.NOV.2023 16:05:22

11AX40MIMO_Ant1_5190



Date: 28.NOV.2023 16:58:33

11AX80MIMO_Ant1_5210

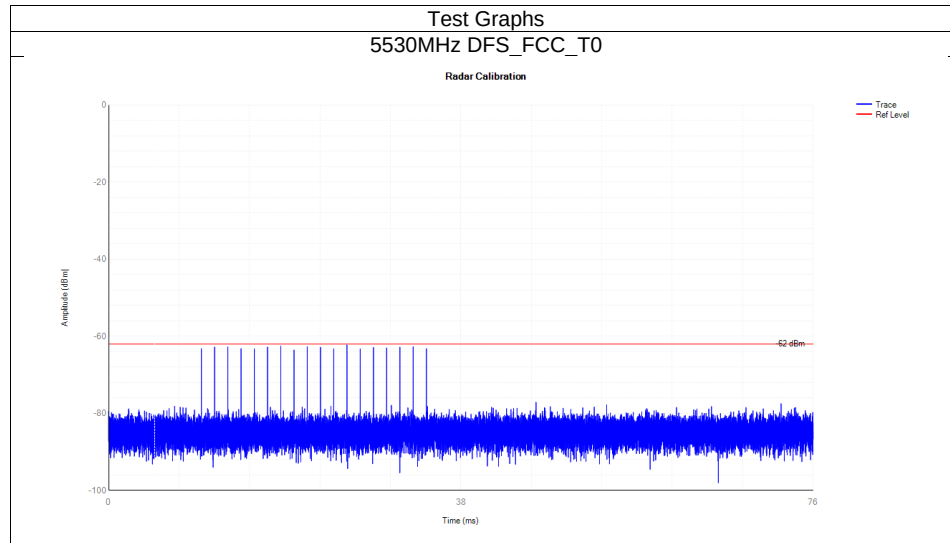
11.8. APPENDIX G: DFS DETECTION THRESHOLDS

11.8.1. Test Result

Mode	Frequency (MHz)	Type	Result	Verdict
ax80	5530	DFS_FCC_T0	See test Graph	Pass

Note: All modes had been tested, but only the worst data was recorded in the report.

11.8.2. Test Graphs



Note: All modes had been tested, but only the worst data was recorded in the report.

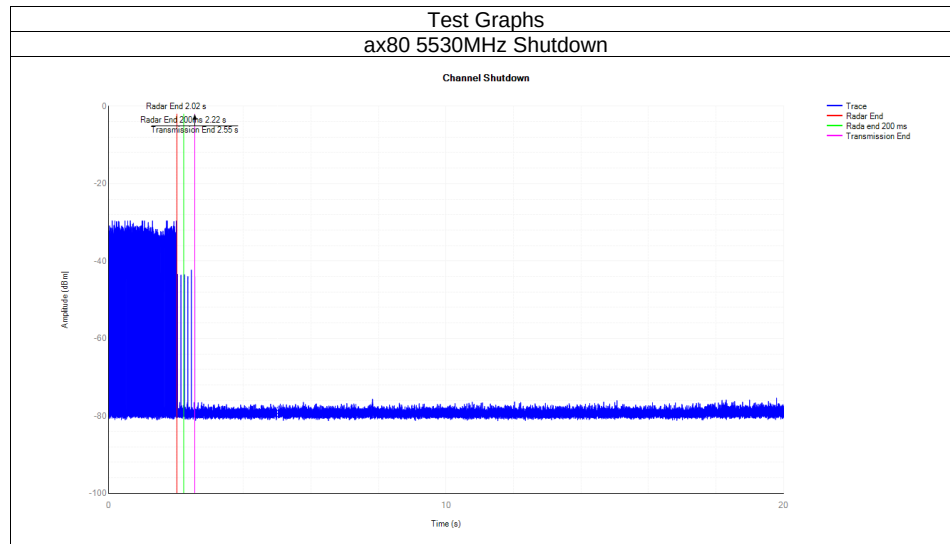
11.9. APPENDIX H: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.9.1. Test Result

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ax80	5530	0.53	10	0.013	0.26	0.008	0.06	Pass

Note: All modes had been tested, but only the worst data was recorded in the report.

11.9.2. Test Graphs



Note: All modes had been tested, but only the worst data was recorded in the report.

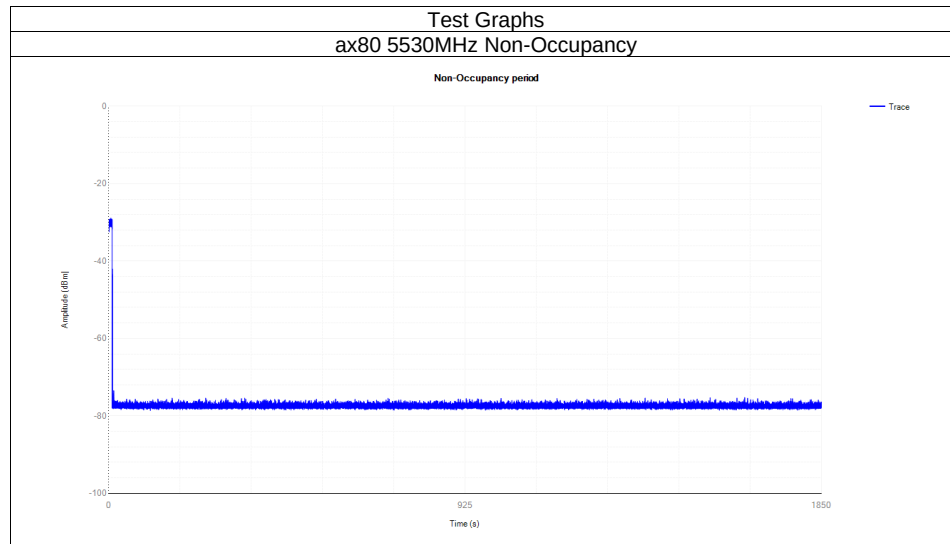
11.10. APPENDIX I: NON-OCCUPANCY PERIOD

11.10.1. Test Result

Mode	Frequency (MHz)	Result	Verdict
ax80	5530	See test Graph	Pass

Note: All modes had been tested, but only the worst data was recorded in the report.

11.10.2. Test Graphs



Note: All modes had been tested, but only the worst data was recorded in the report.

END OF REPORT