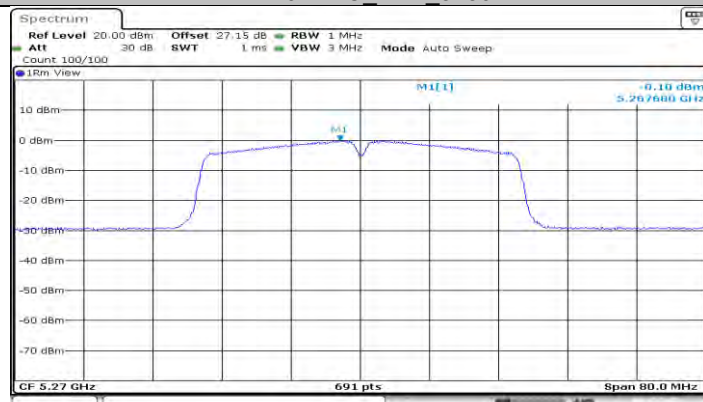




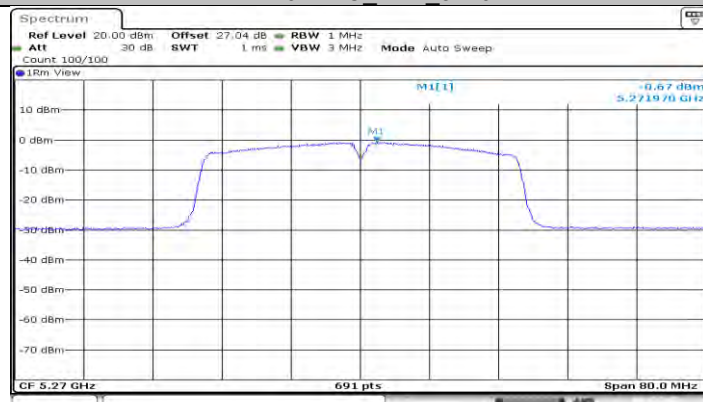
Date: 16.DEC.2023 11:57:44

11N40MIMO_Ant2_5230



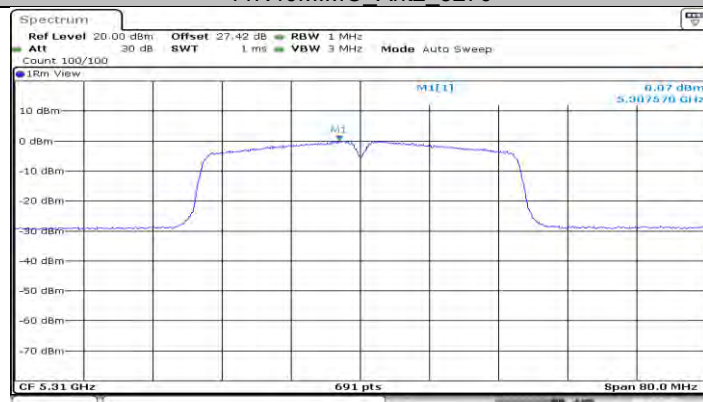
Date: 16.DEC.2023 11:58:17

11N40MIMO_Ant1_5270

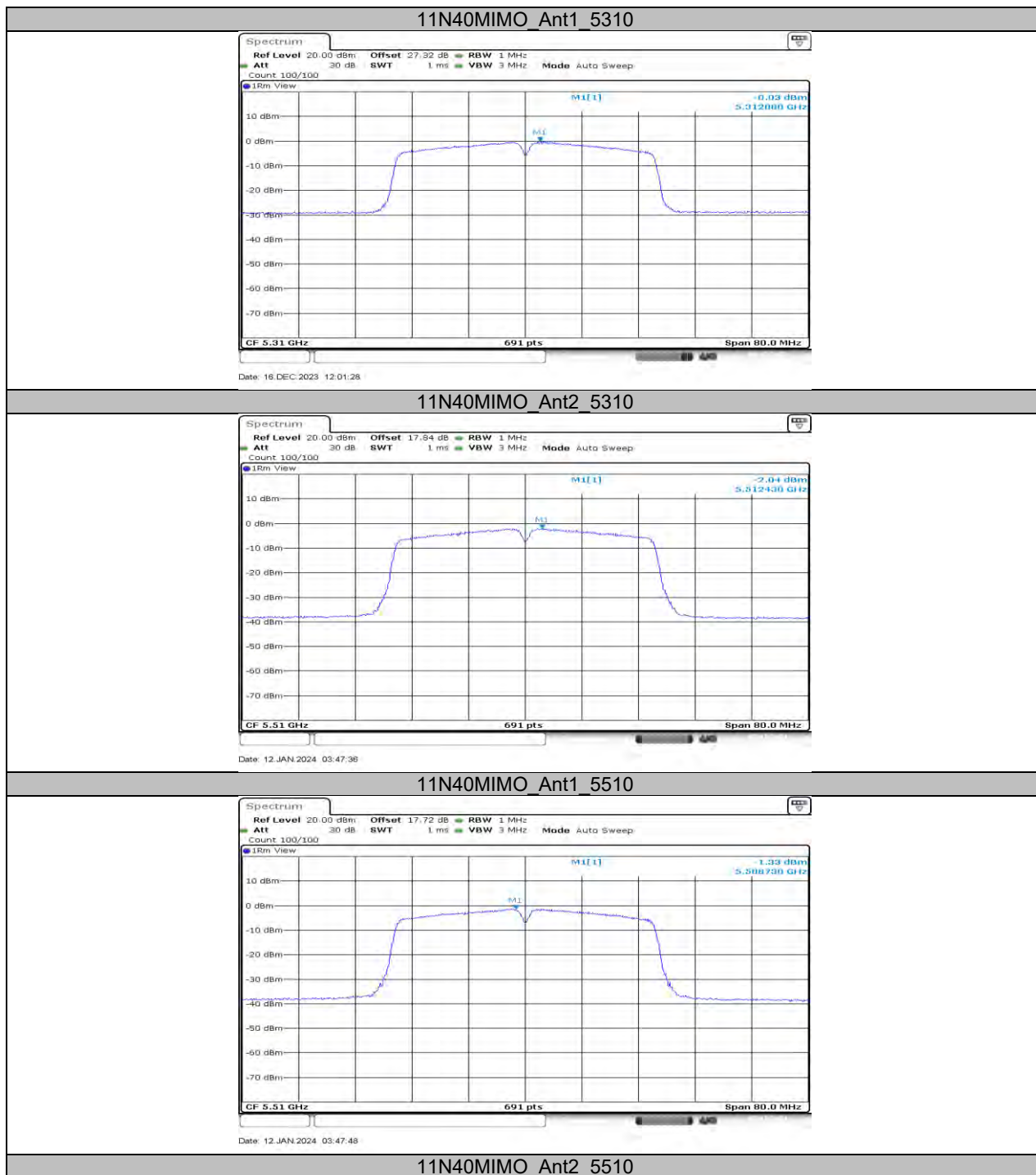


Date: 16.DEC.2023 11:58:43

11N40MIMO_Ant2_5270



Date: 16.DEC.2023 12:01:03





11N40MIMO_Ant1_5550

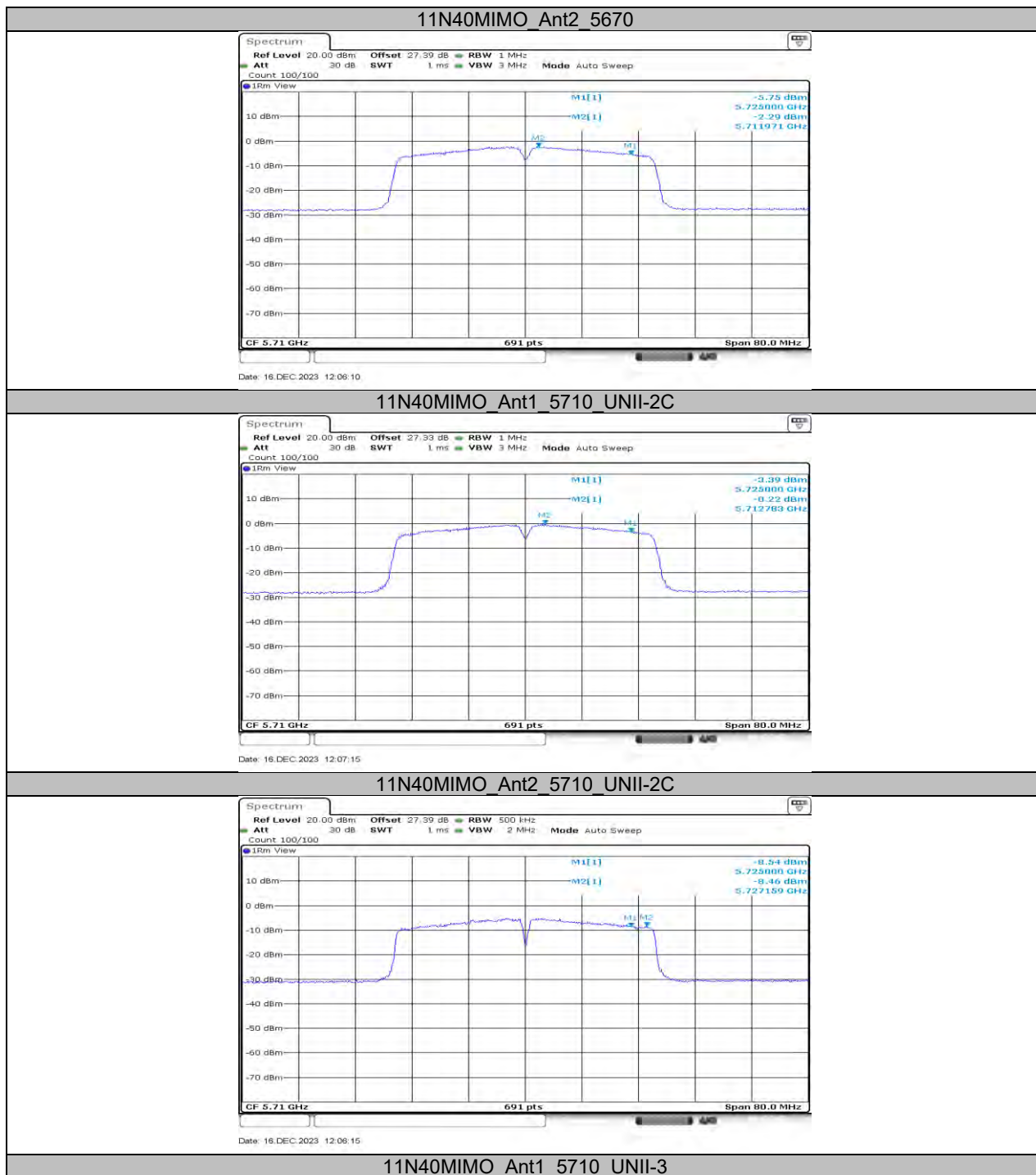


11N40MIMO_Ant2_5550



11N40MIMO_Ant1_5670







11N40MIMO Ant2_5710_UNII-3

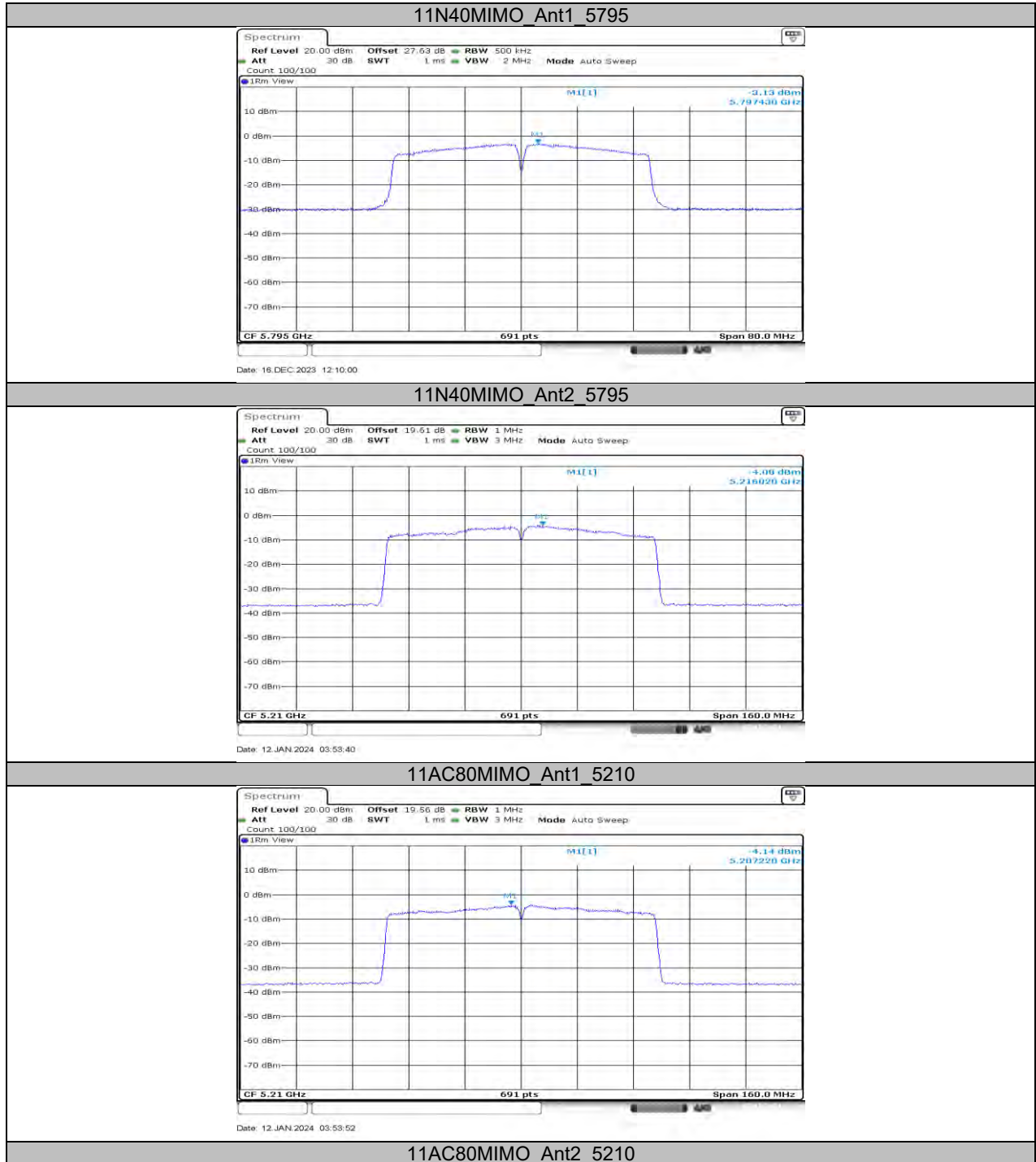


11N40MIMO Ant1_5755



11N40MIMO Ant2_5755







11AC80MIMO_Ant1_5290

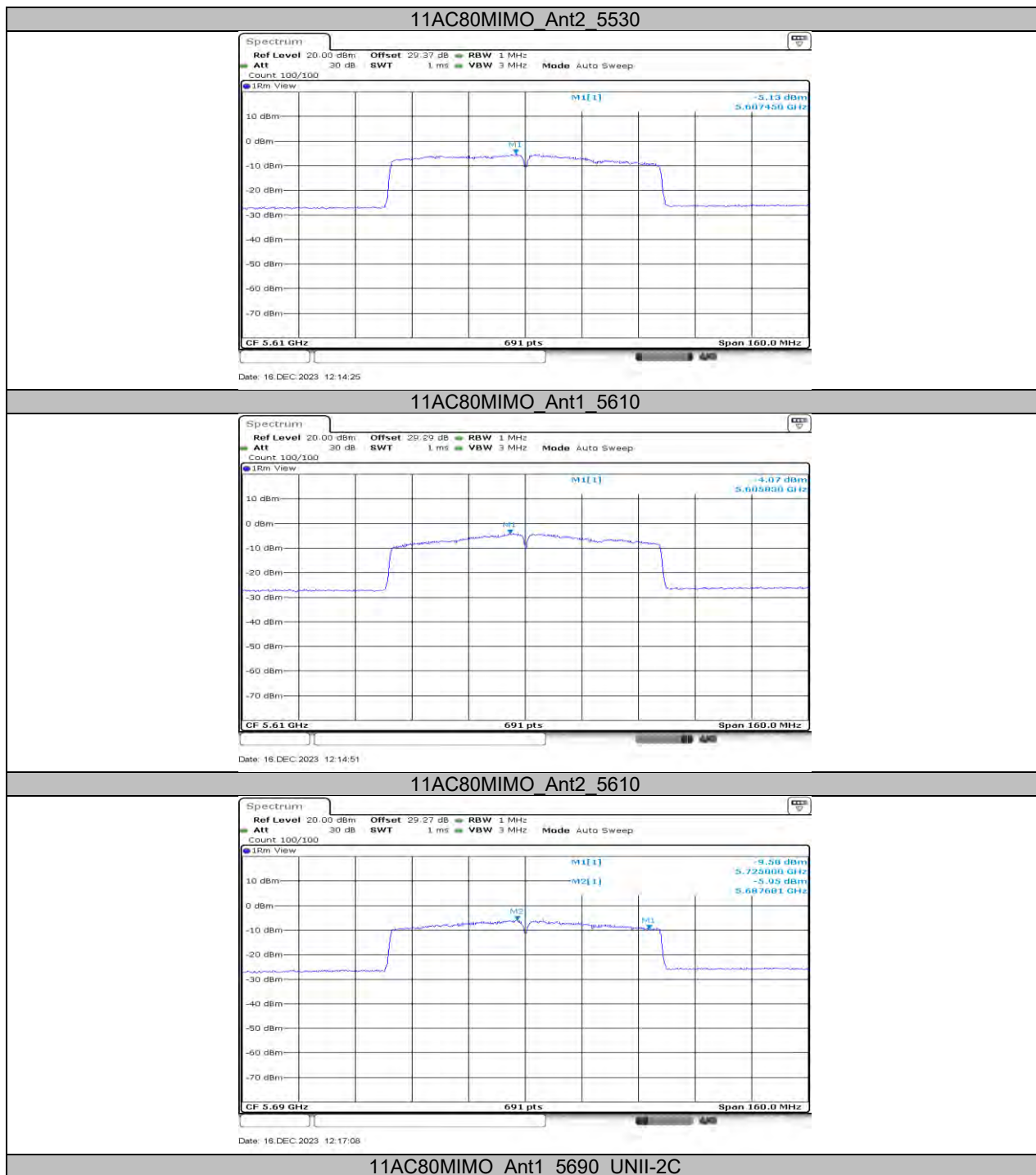


11AC80MIMO_Ant2_5290



11AC80MIMO_Ant1_5530



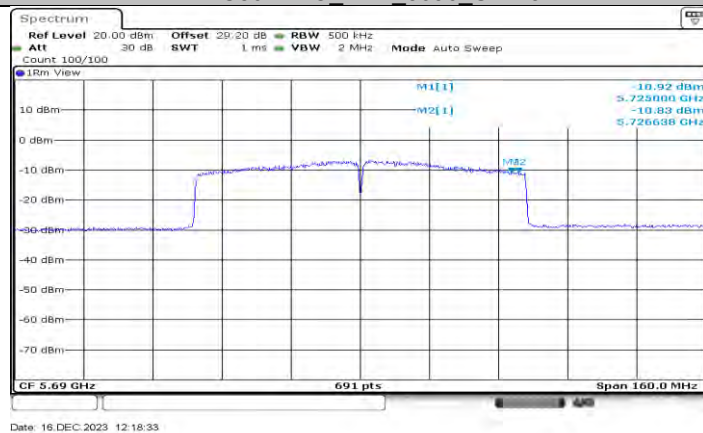




11AC80MIMO_Ant2_5690_UNII-2C

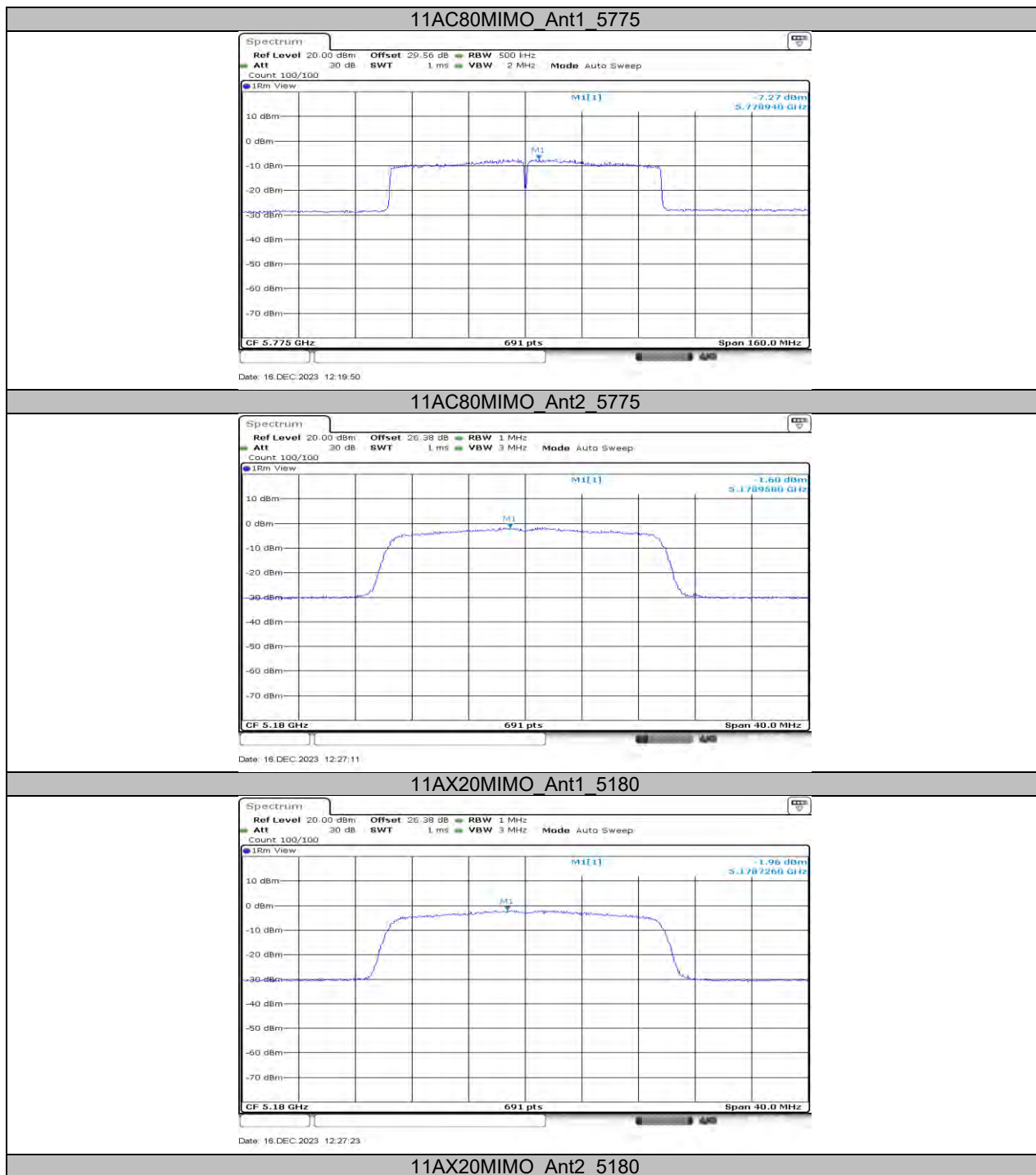


11AC80MIMO_Ant1_5690_UNII-3



11AC80MIMO_Ant2_5690_UNII-3







11AX20MIMO_Ant1_5200

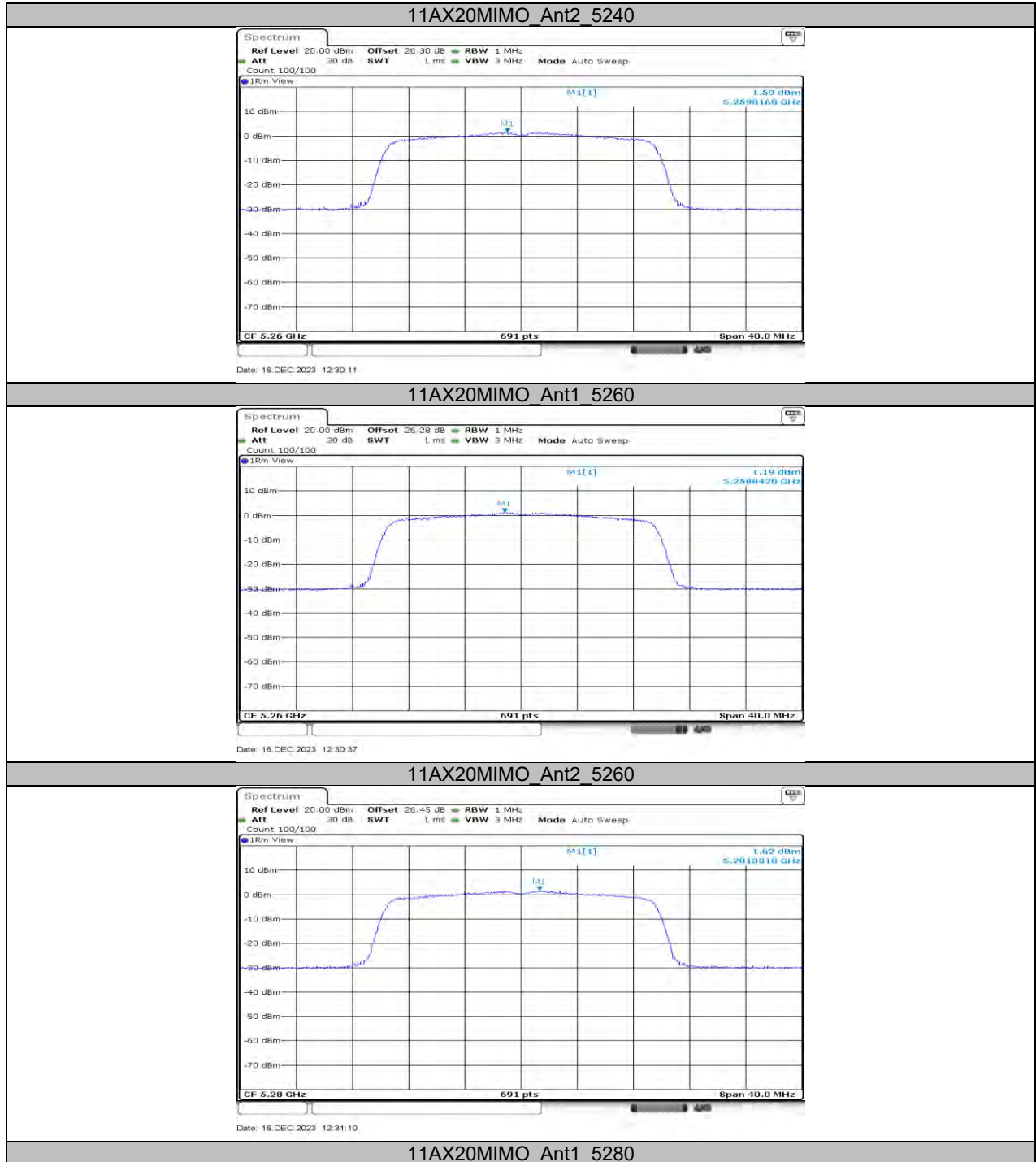


11AX20MIMO_Ant2_5200



11AX20MIMO_Ant1_5240







11AX20MIMO_Ant2_5280

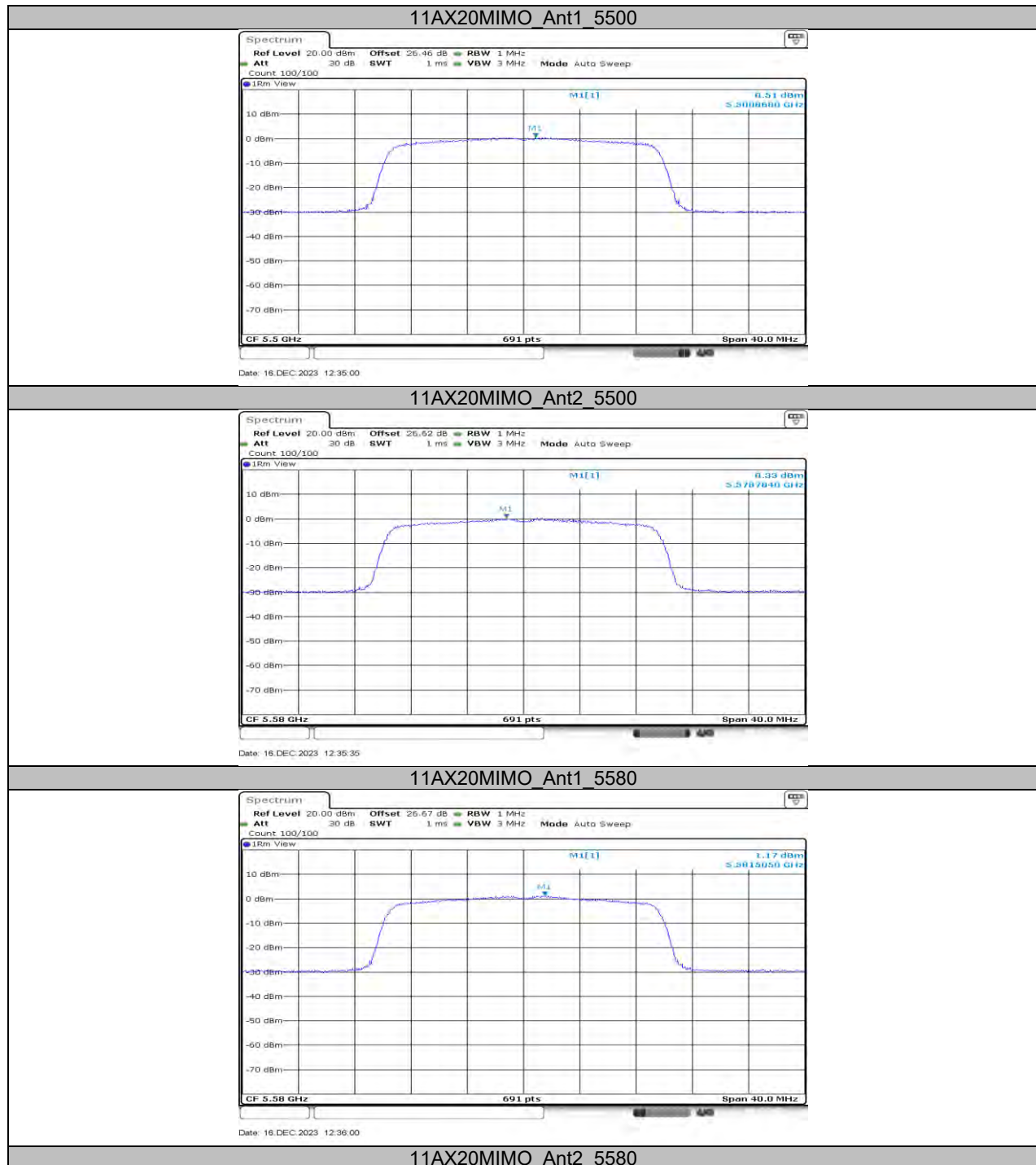


11AX20MIMO_Ant1_5320



11AX20MIMO_Ant2_5320



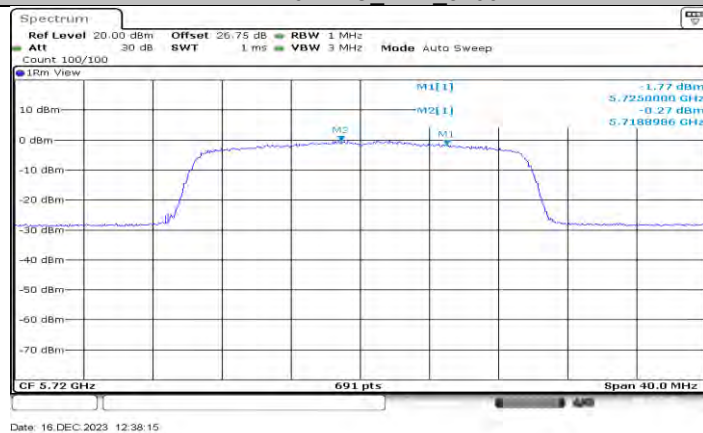




11AX20MIMO_Ant1_5700



11AX20MIMO_Ant2_5700



11AX20MIMO_Ant1_5720_UNII-2C



11AX20MIMO_Ant2_5720_UNII-2C



Date: 16.DEC.2023 12:38:21

11AX20MIMO_Ant1_5720_UNII-3



Date: 16.DEC.2023 12:39:26

11AX20MIMO_Ant2_5720_UNII-3

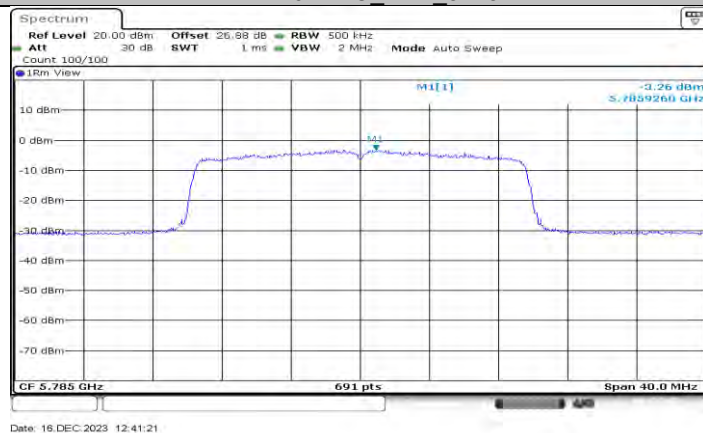


Date: 16.DEC.2023 12:40:06

11AX20MIMO_Ant1_5745



11AX20MIMO_Ant2_5745

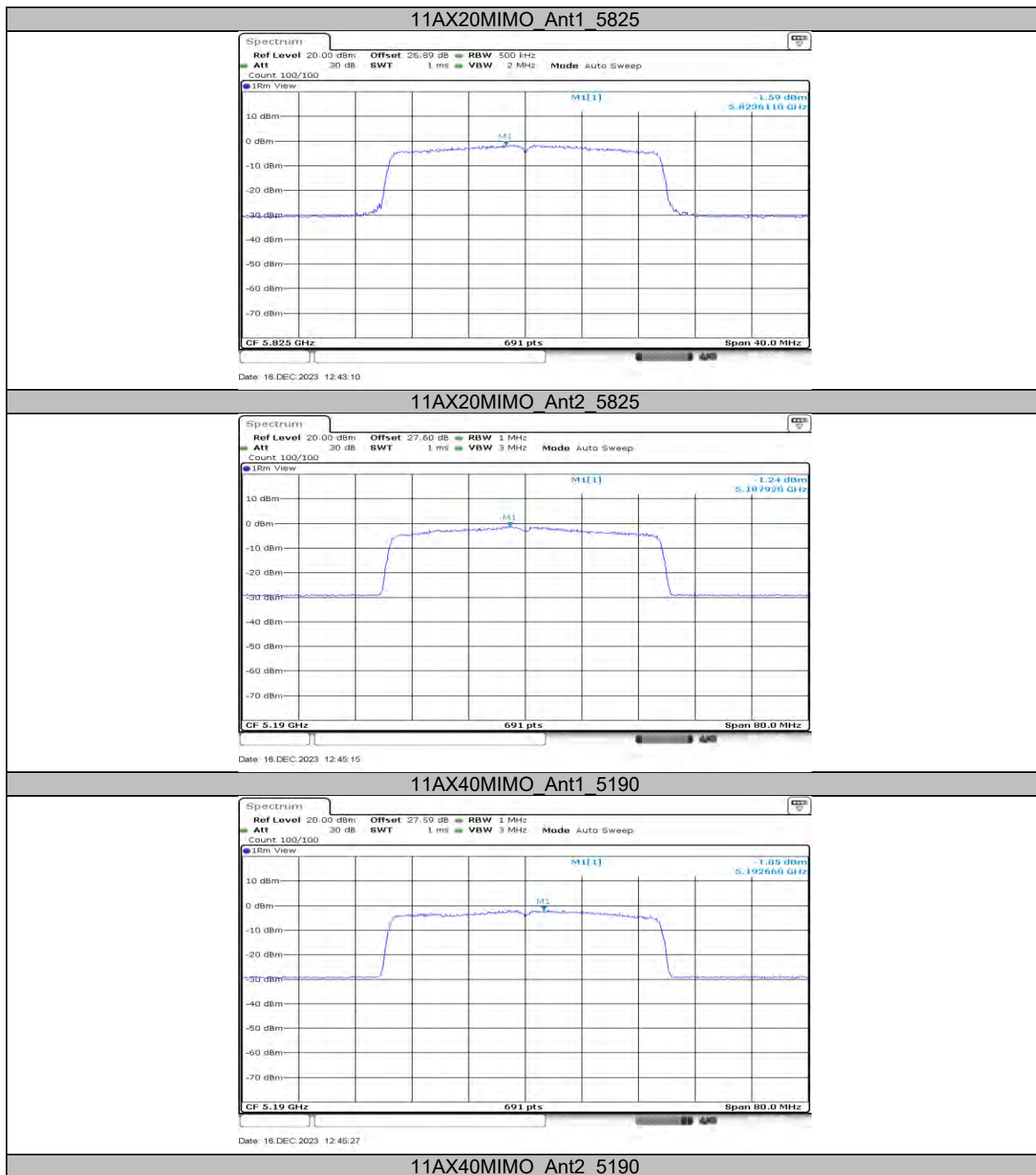


11AX20MIMO_Ant1_5785



11AX20MIMO_Ant2_5785







11AX40MIMO_Ant1_5230

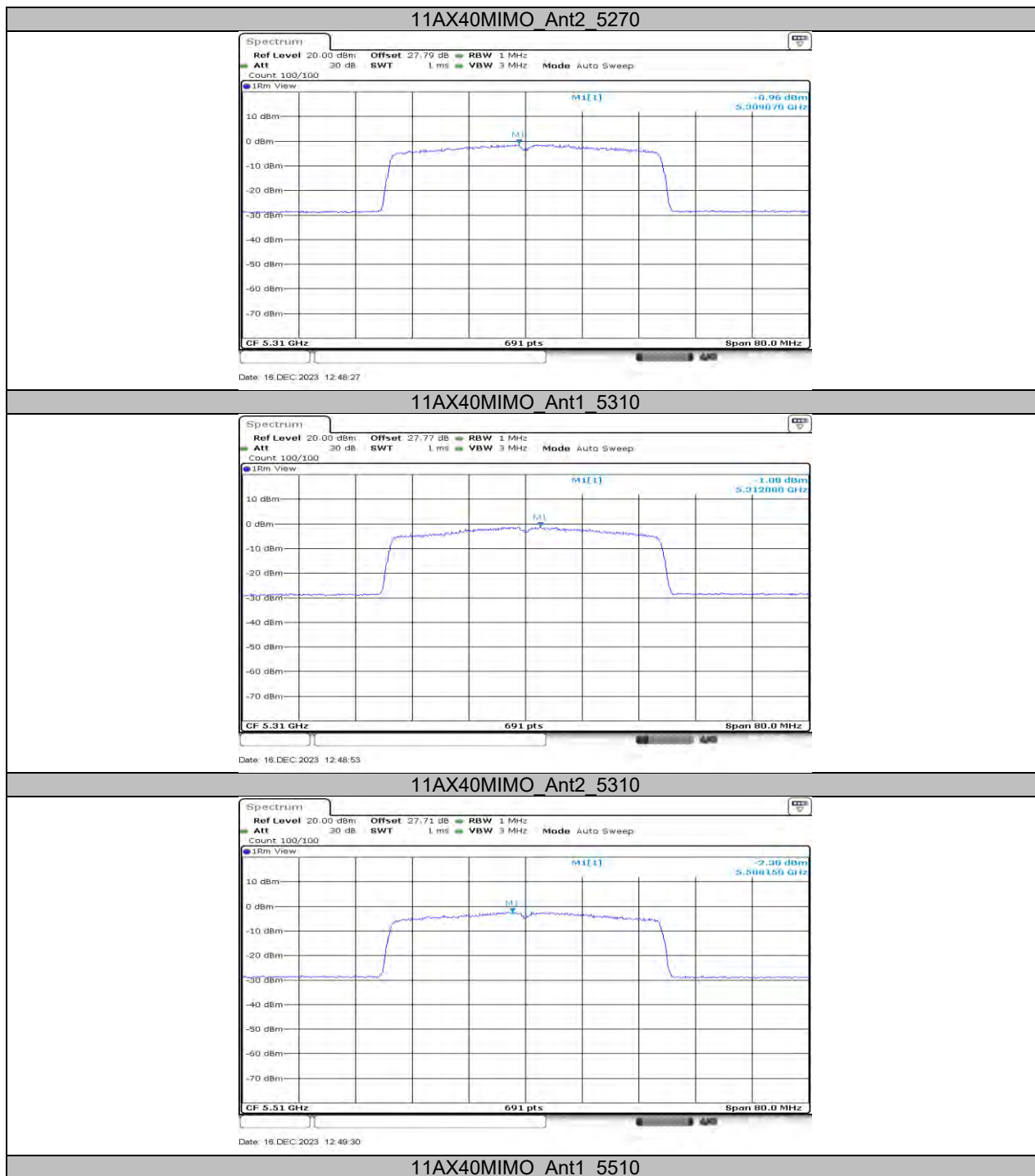


11AX40MIMO_Ant2_5230



11AX40MIMO_Ant1_5270







Date: 16.DEC.2023 12:49:56

11AX40MIMO_Ant2_5510



Date: 16.DEC.2023 12:50:37

11AX40MIMO_Ant1_5550

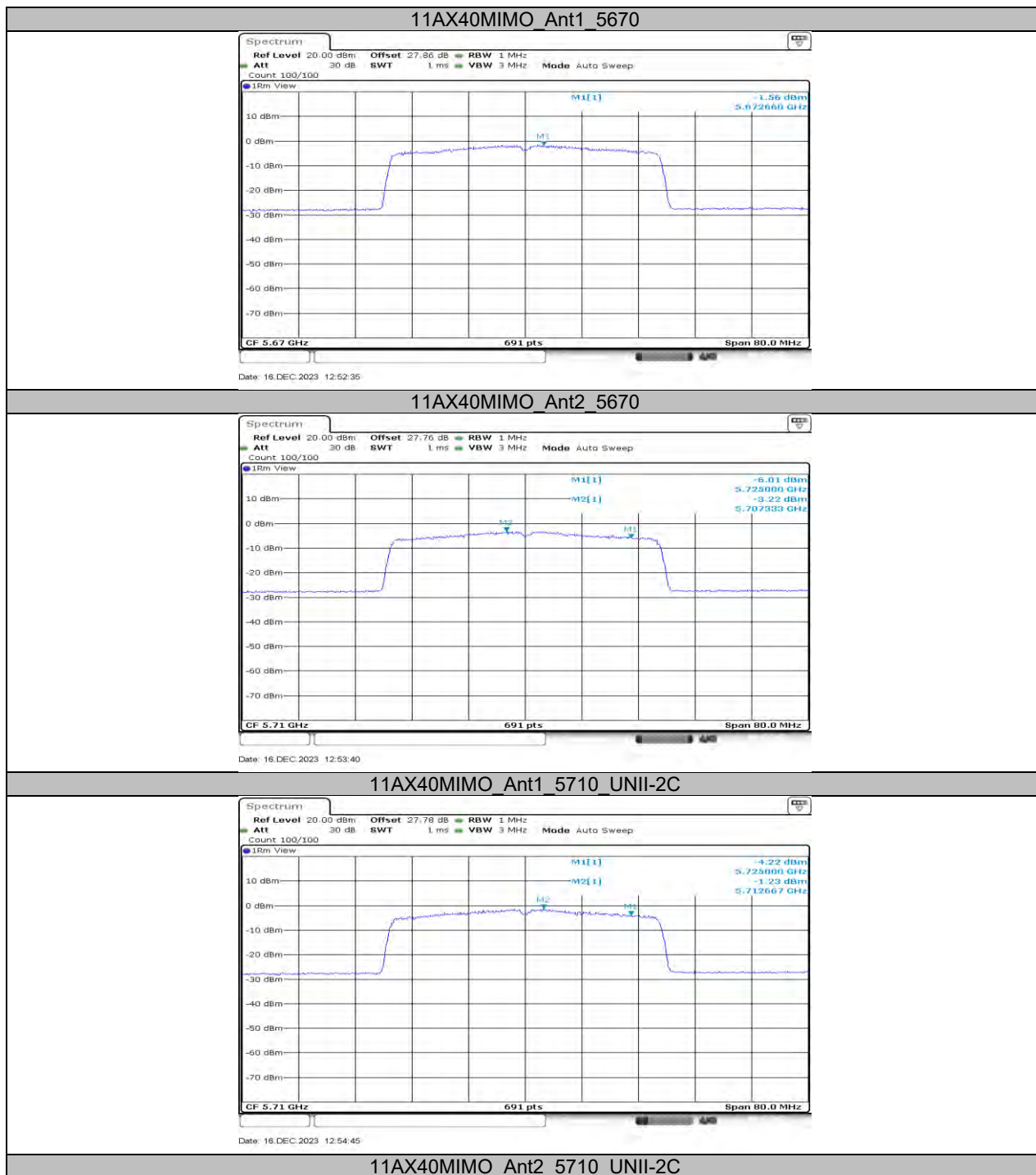


Date: 16.DEC.2023 12:51:03

11AX40MIMO_Ant2_5550



Date: 16.DEC.2023 12:52:10

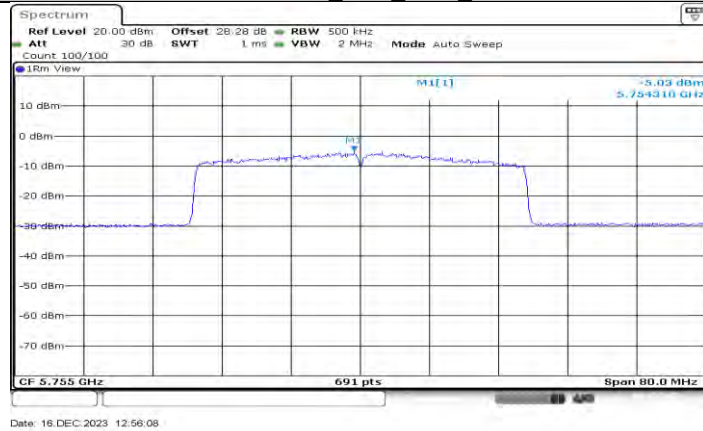




11AX40MIMO_Ant1_5710_UNII-3

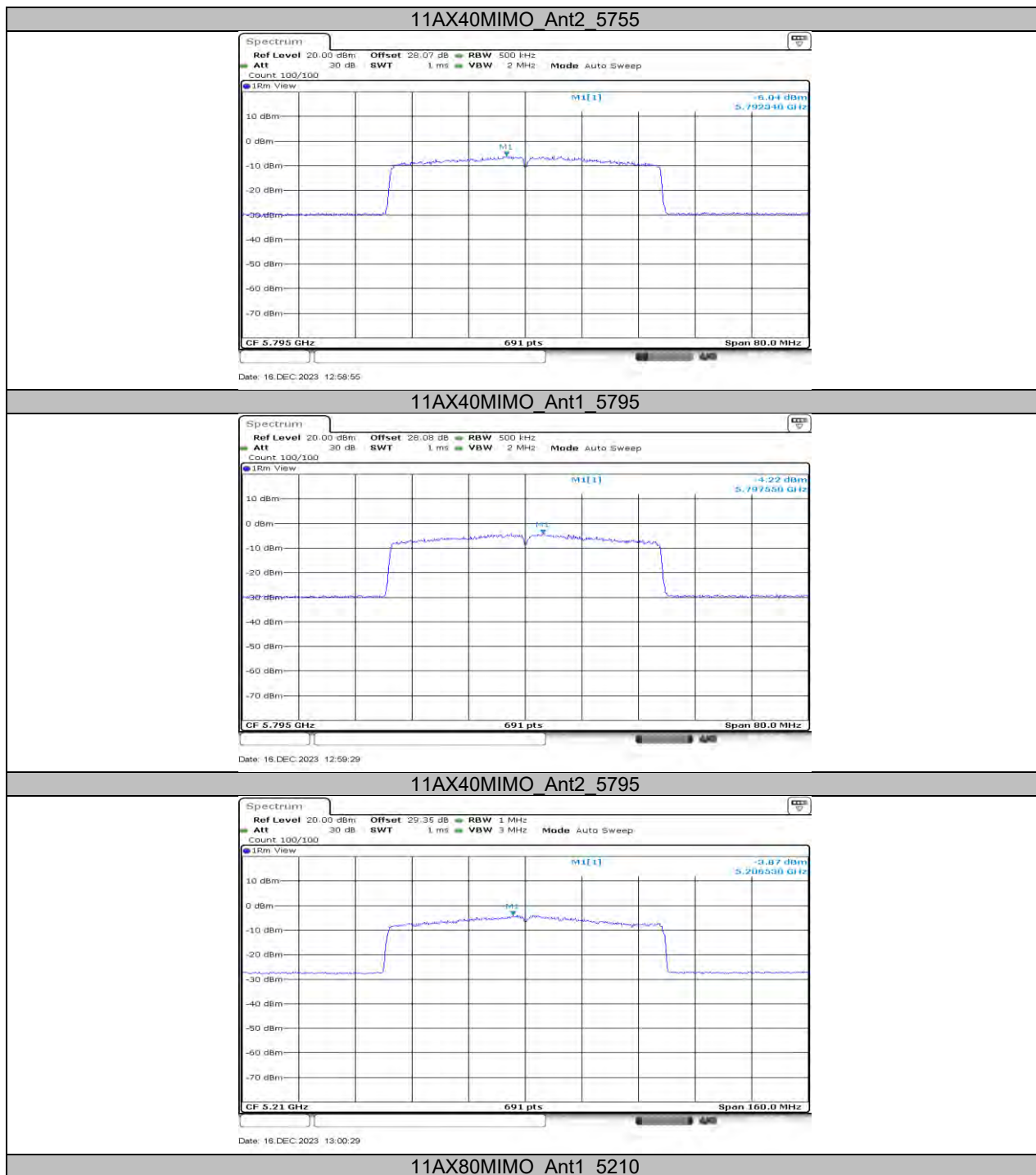


11AX40MIMO_Ant2_5710_UNII-3



11AX40MIMO_Ant1_5755







11AX80MIMO_Ant2_5210

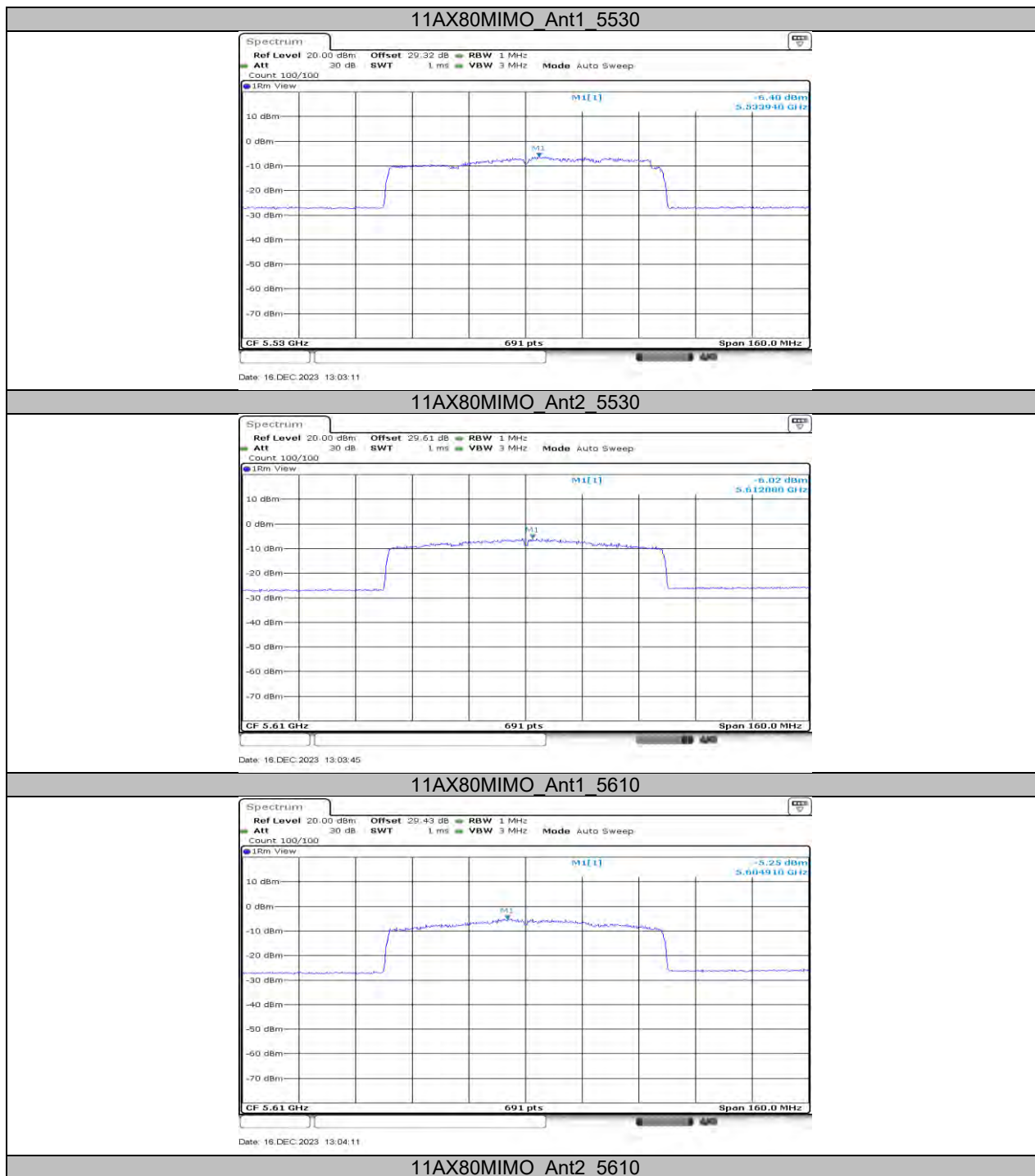


11AX80MIMO_Ant1_5290



11AX80MIMO_Ant2_5290

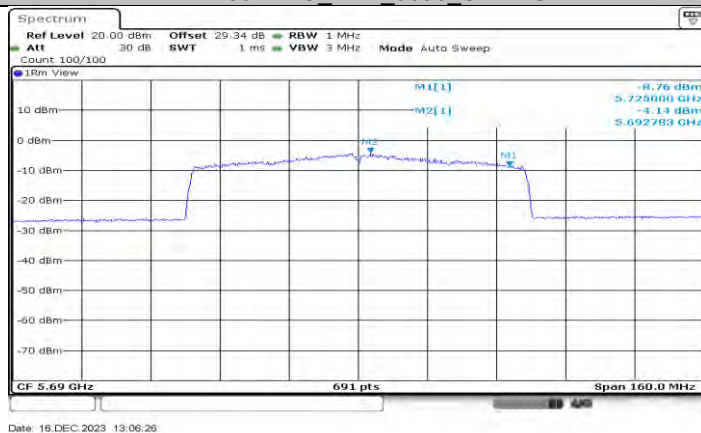






Date: 16.DEC.2023 13:05:17

11AX80MIMO Ant1_5690_UNII-2C



Date: 16.DEC.2023 13:06:26

11AX80MIMO Ant2_5690_UNII-2C

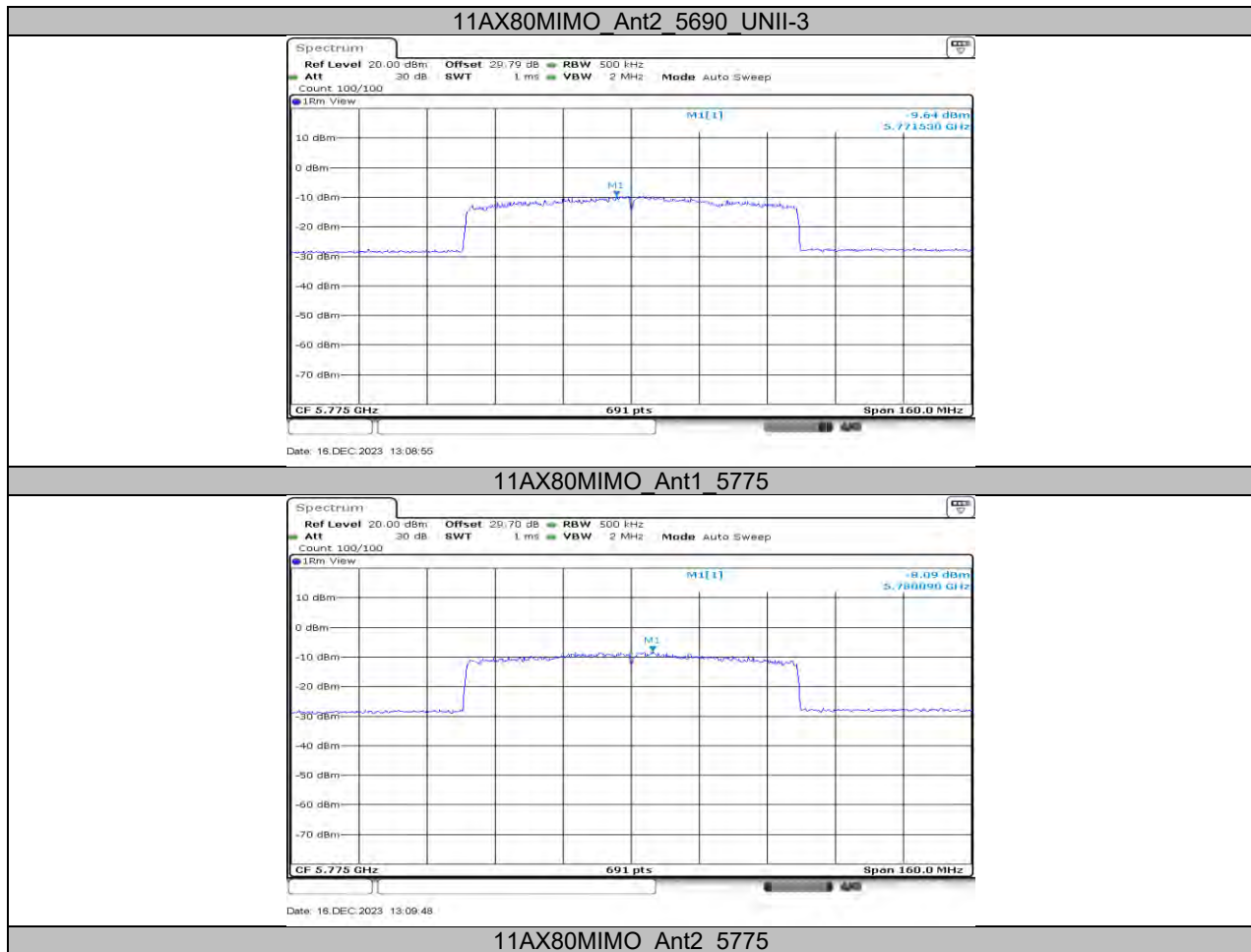


Date: 16.DEC.2023 13:06:23

11AX80MIMO Ant1_5690_UNII-3



Date: 16.DEC.2023 13:06:32



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	5200.0213	4.10	5199.9875	-2.41	5200.0058	1.12	5199.9957	-0.83
TN	VN	5200.0059	1.13	5199.9806	-3.73	5200.0243	4.68	5199.9961	-0.76
TN	VH	5199.9833	-3.22	5200.0180	3.47	5199.9761	-4.60	5199.9903	-1.86
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)
70	VN	5199.9782	-4.18	5200.0073	1.40	5200.0225	4.33	5200.0063	1.20
60	VN	5199.9877	-2.37	5199.9914	-1.65	5200.0162	3.12	5200.0048	0.92
50	VN	5200.0067	1.29	5200.0123	2.37	5199.9939	-1.17	5200.0180	3.45
40	VN	5199.9853	-2.83	5199.9765	-4.52	5200.0087	1.68	5200.0107	2.06
30	VN	5200.0096	1.85	5200.0184	3.54	5200.0180	3.47	5199.9863	-2.64
20	VN	5200.0133	2.56	5200.0243	4.68	5199.9991	-0.18	5200.0116	2.22
10	VN	5199.9805	-3.75	5199.9894	-2.04	5199.9914	-1.66	5199.9803	-3.79
0	VN	5200.0236	4.54	5199.9967	-0.63	5200.0244	4.70	5200.0072	1.38

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	1.39	2.01	0.6915	69.15	1.60	0.72	1
11N20MIMO	1.30	1.92	0.6771	67.71	1.69	0.77	1
11N40MIMO	0.64	1.25	0.5120	51.20	2.91	1.56	2
11AC80MIMO	0.32	0.95	0.3368	33.68	4.73	3.13	4
11AX20MIMO	1.02	1.64	0.6220	62.20	2.06	0.98	1
11AX40MIMO	0.54	1.15	0.4696	46.96	3.28	1.85	2
11AX80MIMO	0.29	0.91	0.3187	31.87	4.97	3.45	4

Note:

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

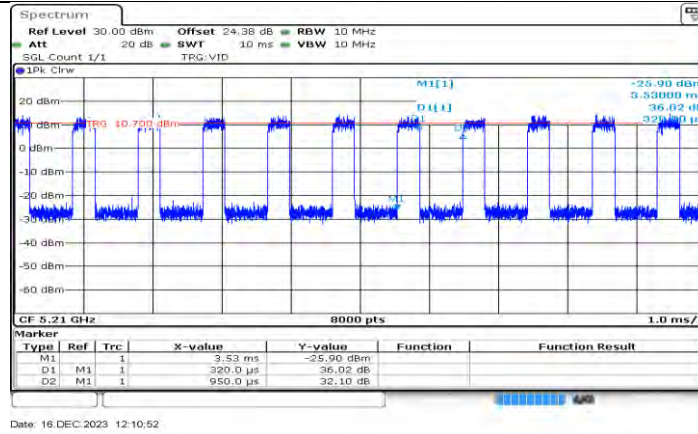
Where: x is Duty Cycle (Linear)

Where: T is On Time

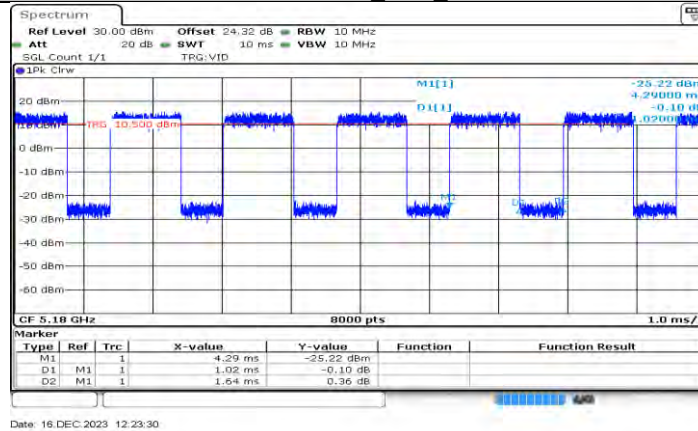
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

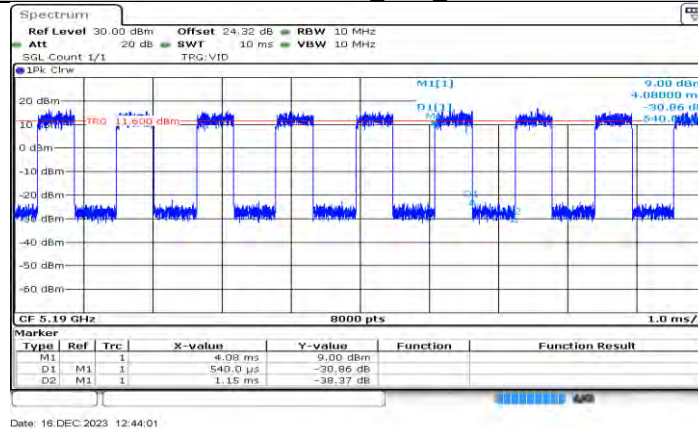




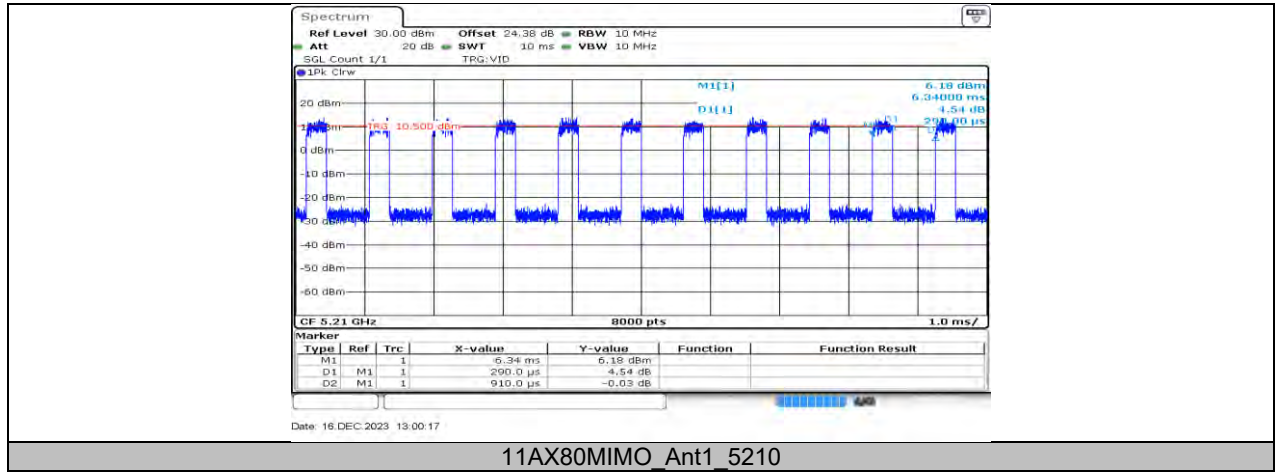
11AC80MIMO_Ant1_5210



11AX20MIMO_Ant1_5180

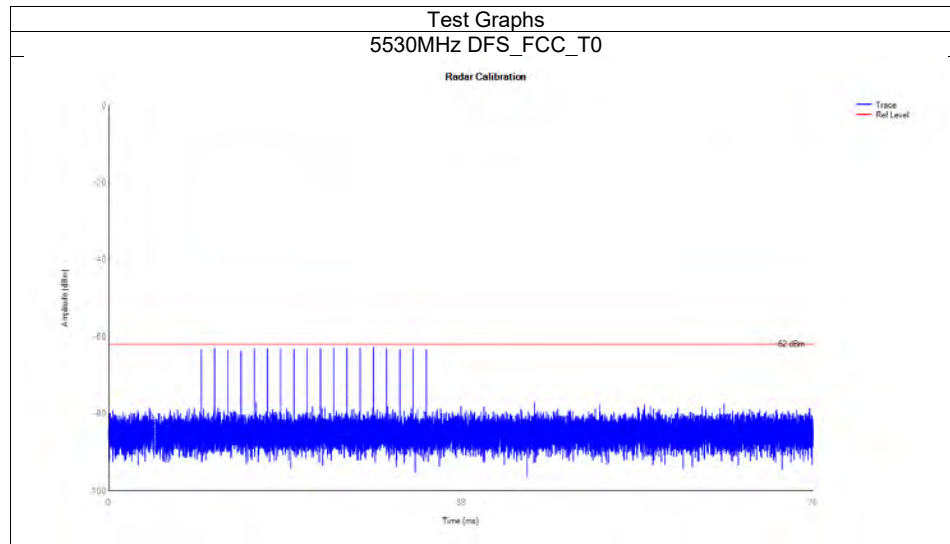


11AX40MIMO_Ant1_5190



11.8. APPENDIX H: CALIBRATION

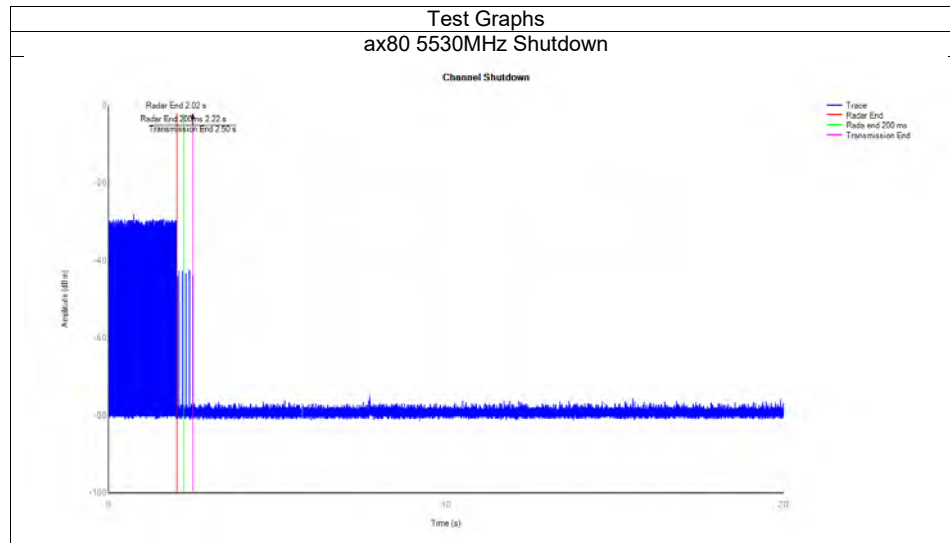
Mode	Frequency (MHz)	Type	Result	Verdict
ax80	5530	DFS_FCC_T0	See test Graph	Pass



11.9. APPENDIX I: SHUTDOWN TIME

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	0.474	10	0.011	0.26	0.006	0.06	Pass

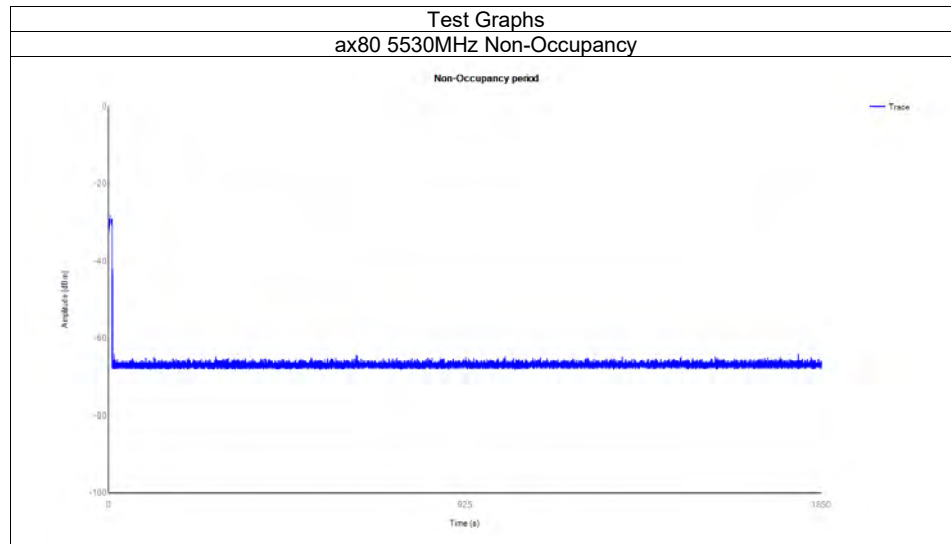
Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



11.10. APPENDIX J: NON-OCCUPANCY

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

Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



END OF REPORT