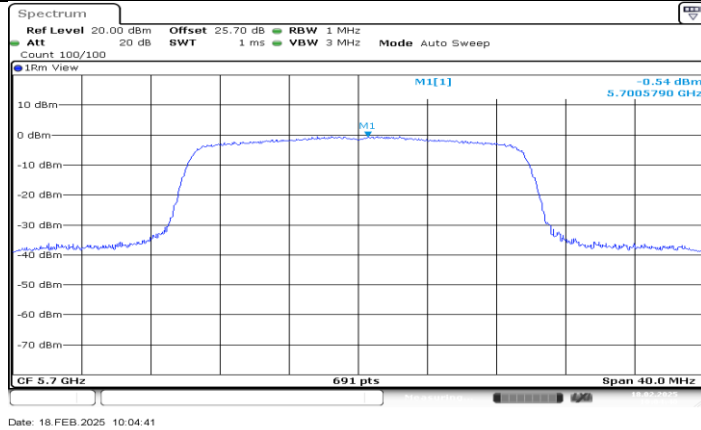
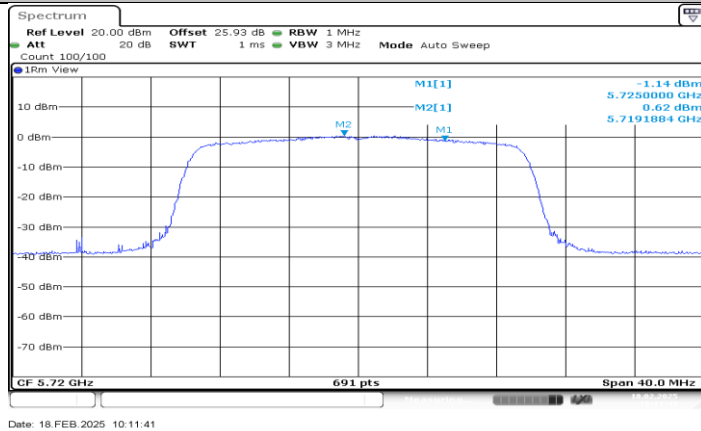


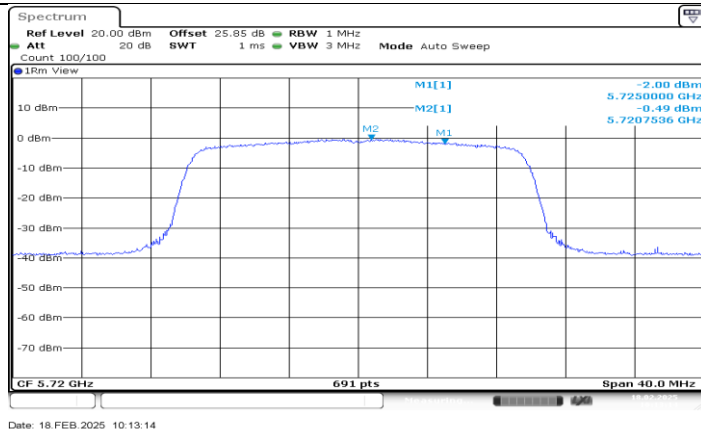
11AX20MIMO_Ant1_5700



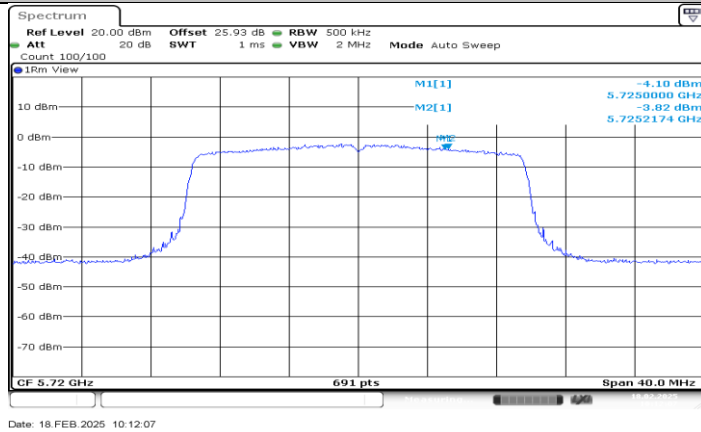
11AX20MIMO_Ant2_5700



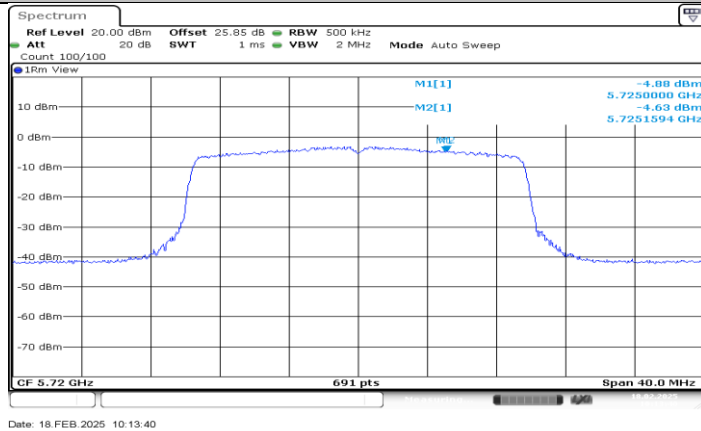
11AX20MIMO_Ant1_5720_UNII-2C



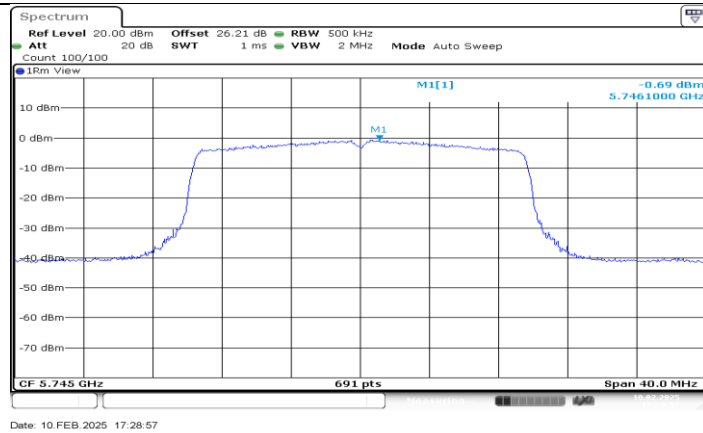
11AX20MIMO_Ant2_5720_UNII-2C



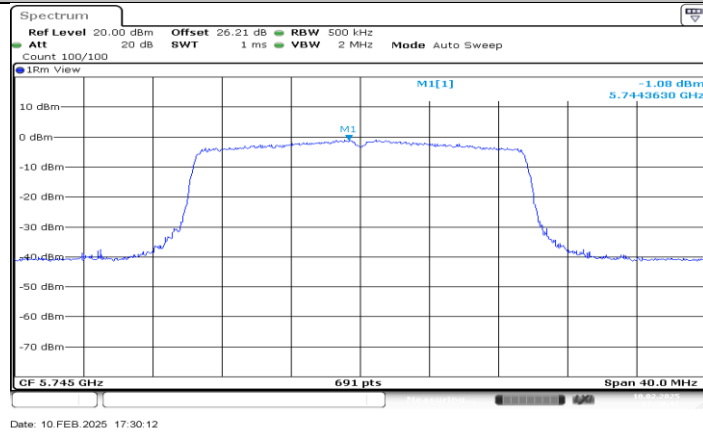
11AX20MIMO_Ant1_5720_UNII-3



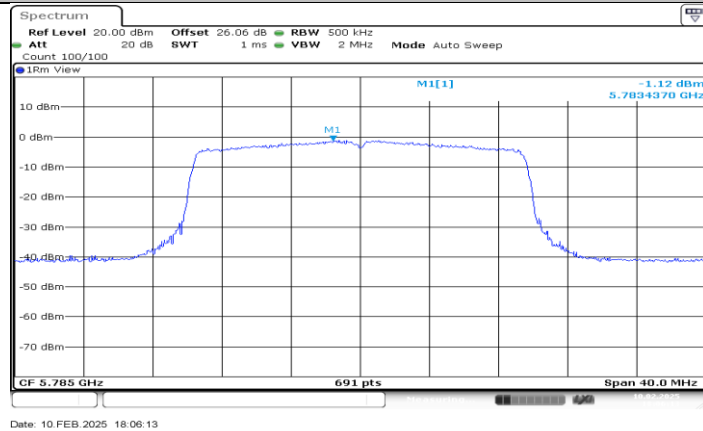
11AX20MIMO_Ant2_5720_UNII-3



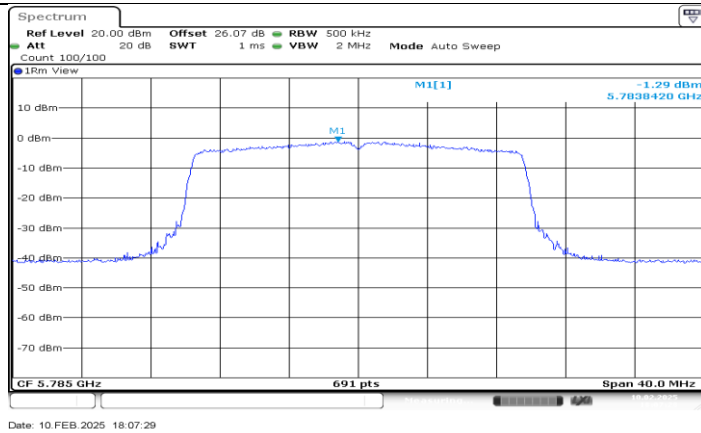
11AX20MIMO_Ant1_5745



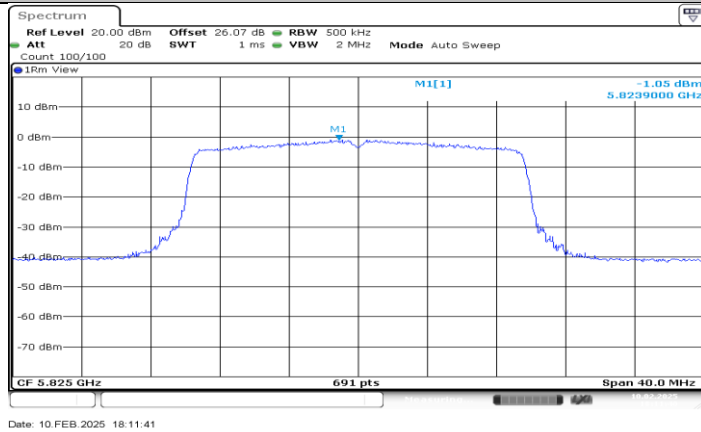
11AX20MIMO_Ant2_5745



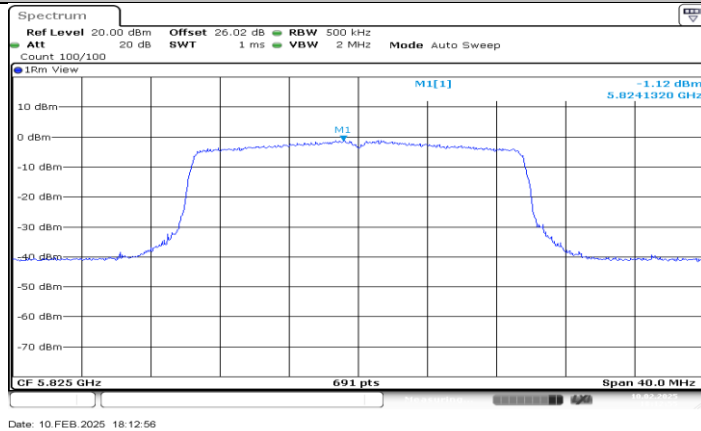
11AX20MIMO_Ant1_5785



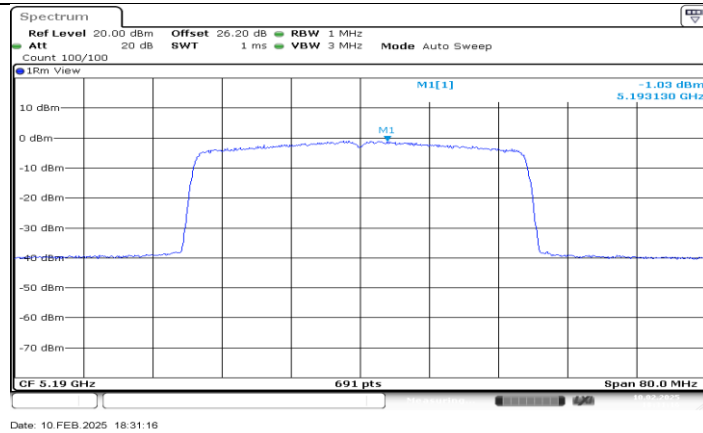
11AX20MIMO_Ant2_5785



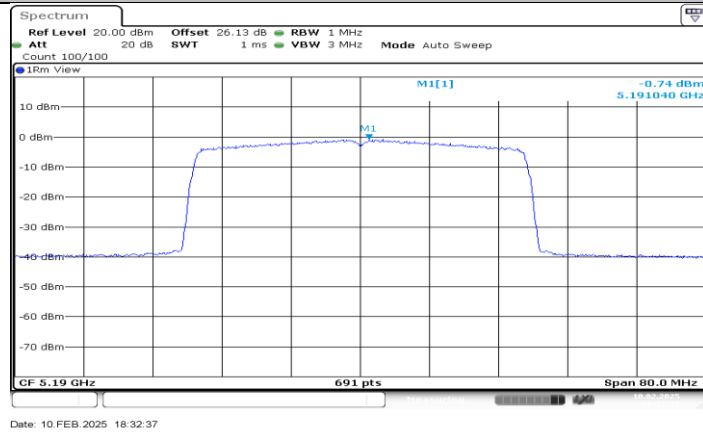
11AX20MIMO_Ant1_5825



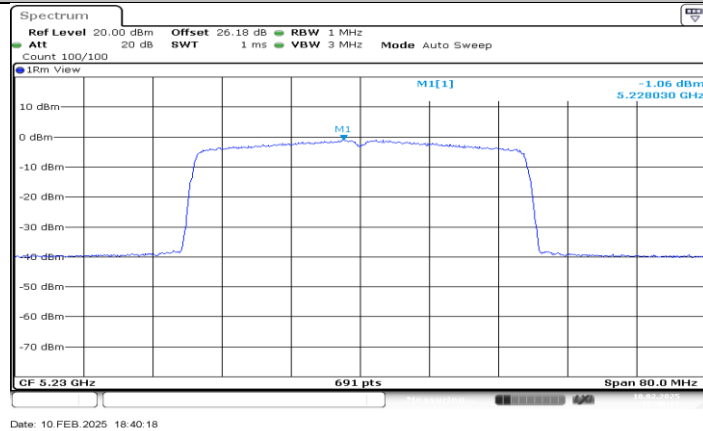
11AX20MIMO_Ant2_5825



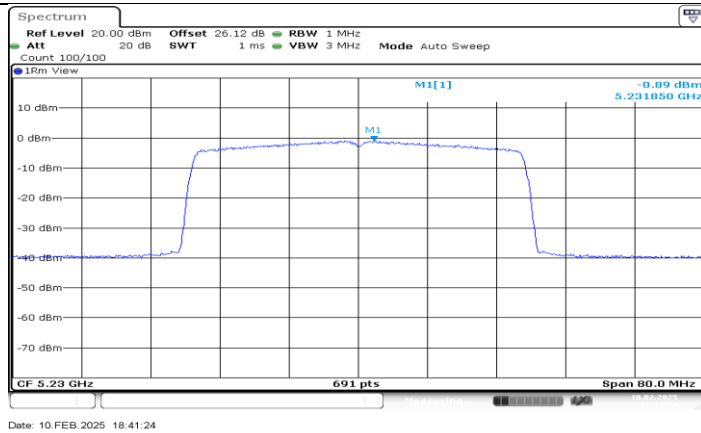
11AX40MIMO_Ant1_5190



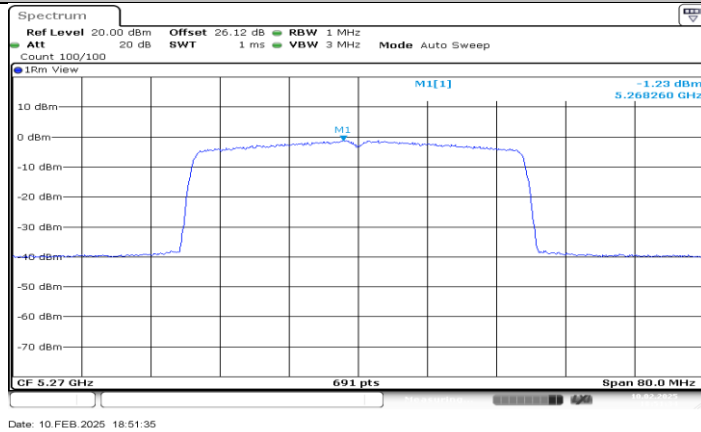
11AX40MIMO_Ant2_5190



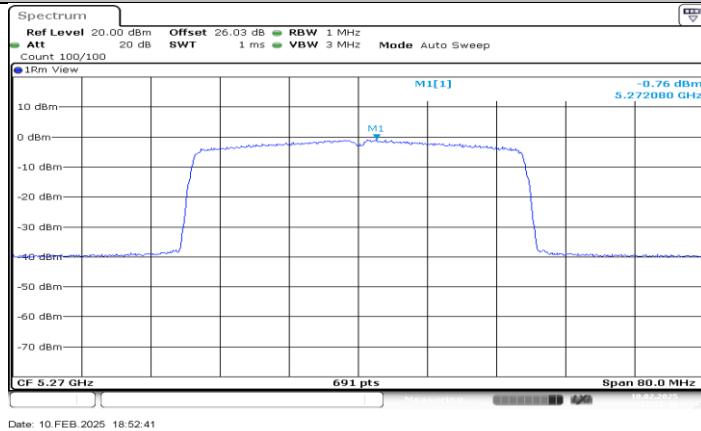
11AX40MIMO_Ant1_5230



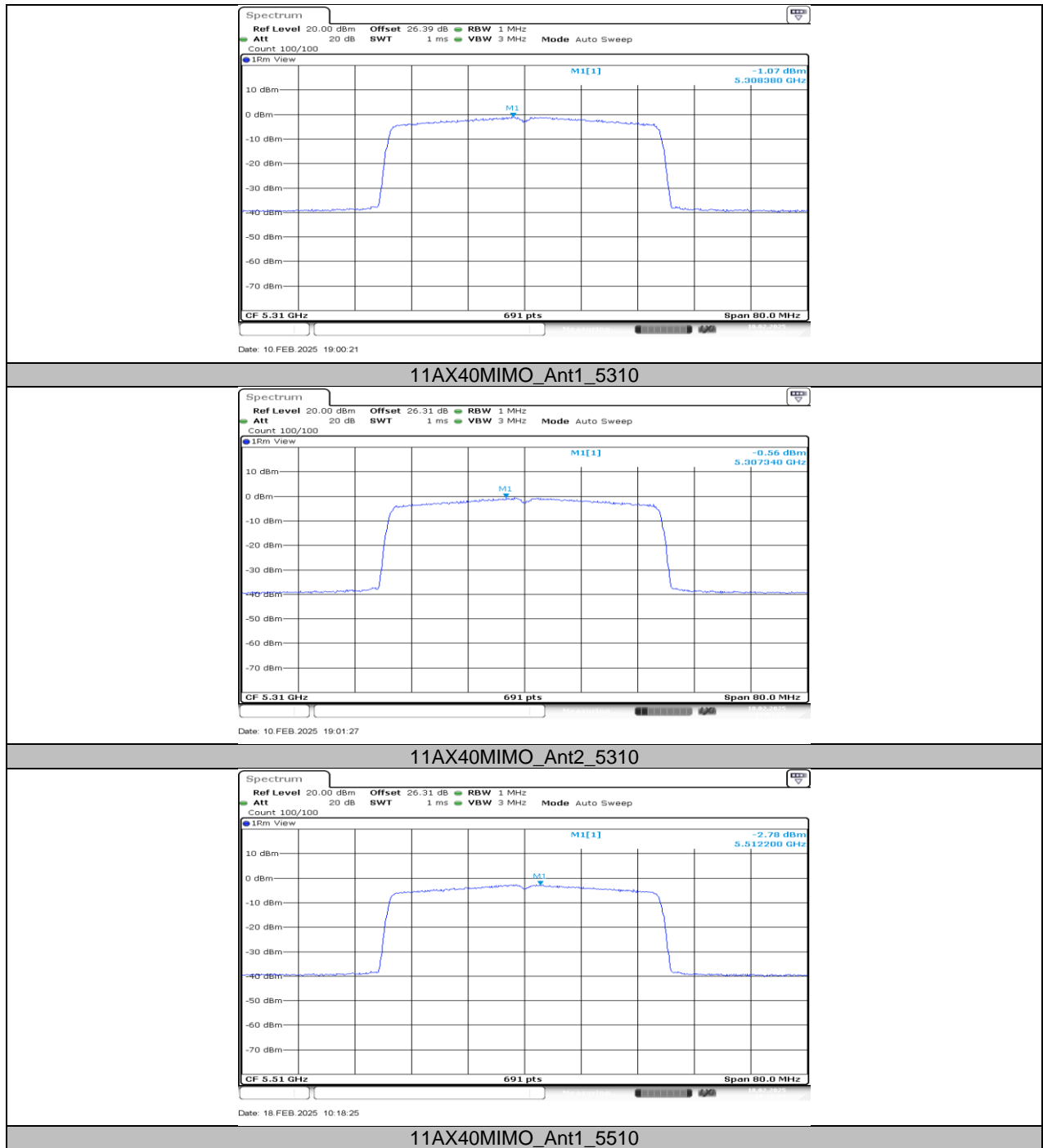
11AX40MIMO_Ant2_5230

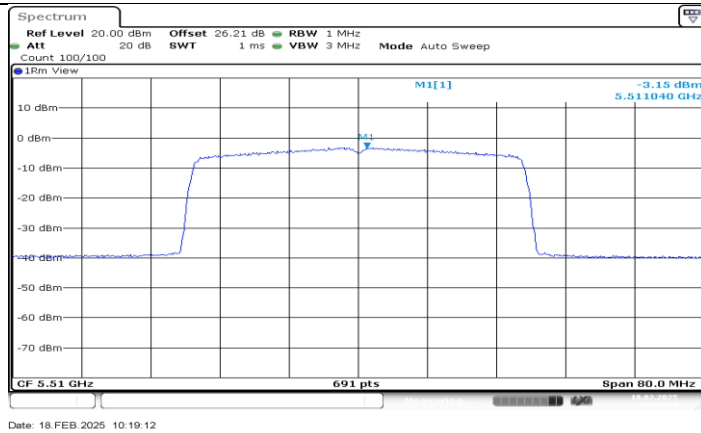


11AX40MIMO_Ant1_5270

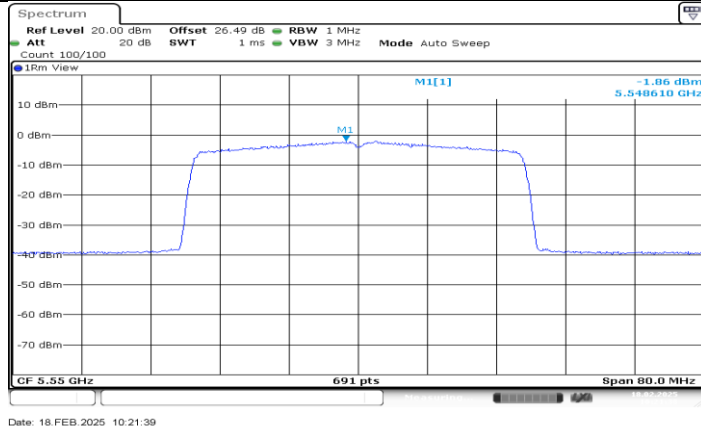


11AX40MIMO_Ant2_5270

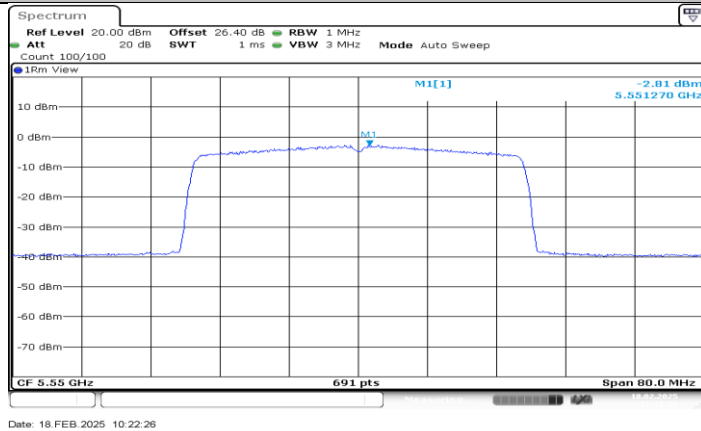




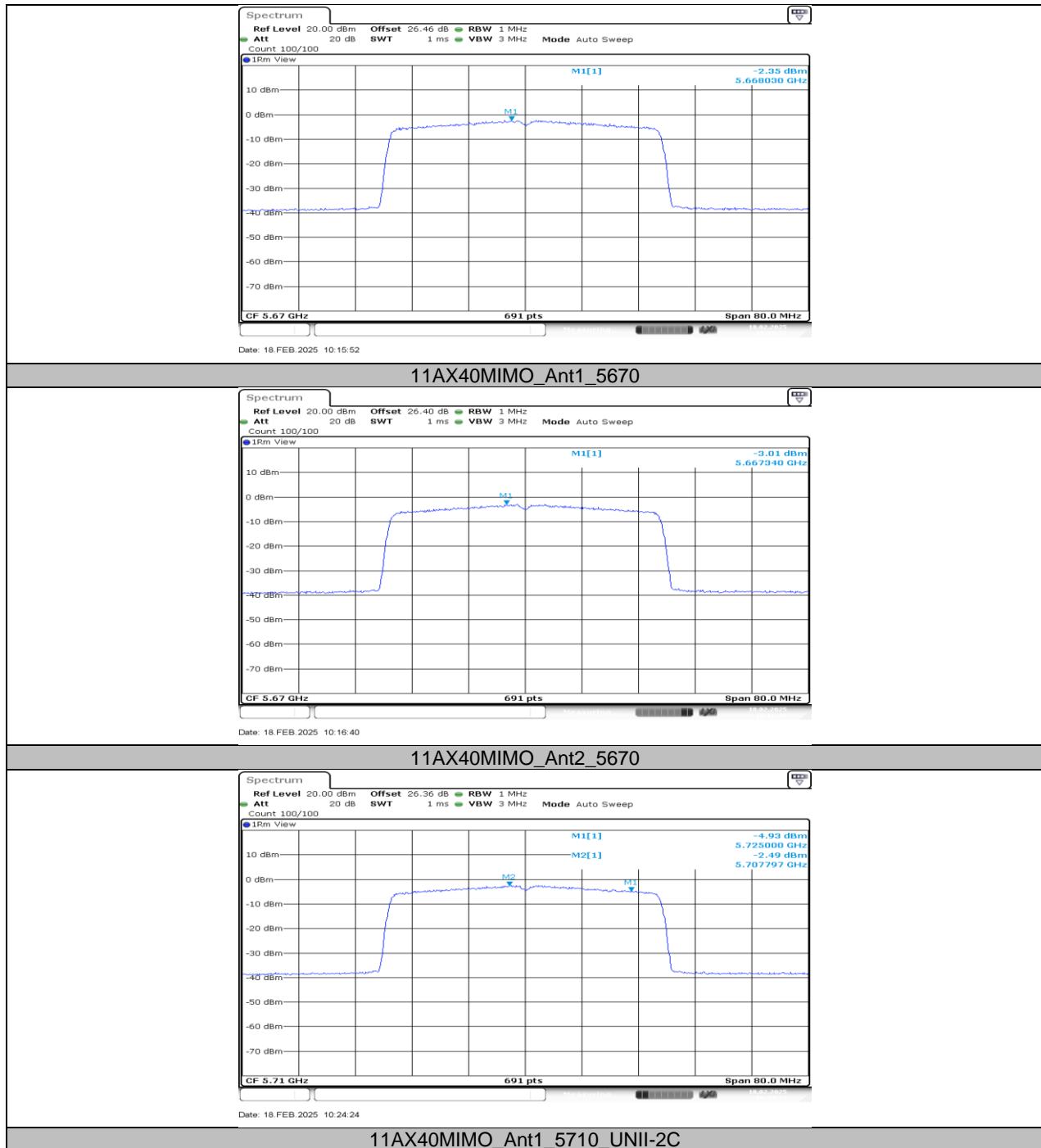
11AX40MIMO_Ant2_5510

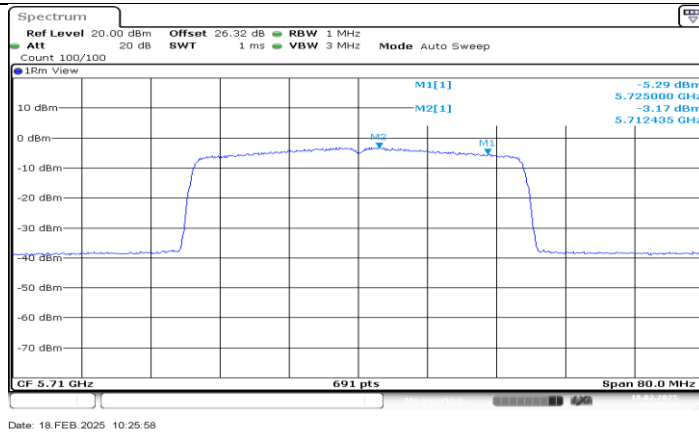


11AX40MIMO_Ant1_5550

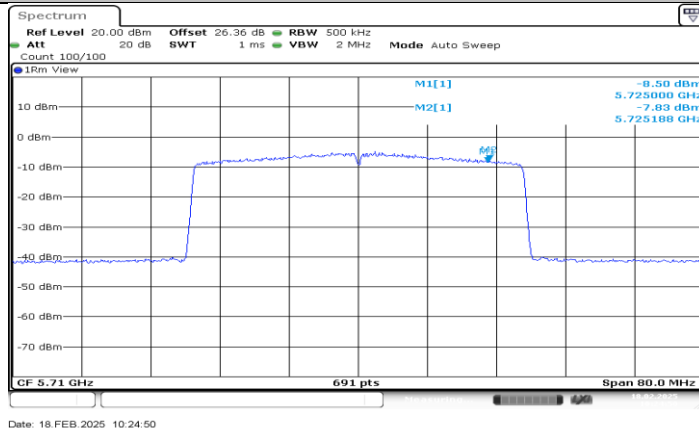


11AX40MIMO_Ant2_5550

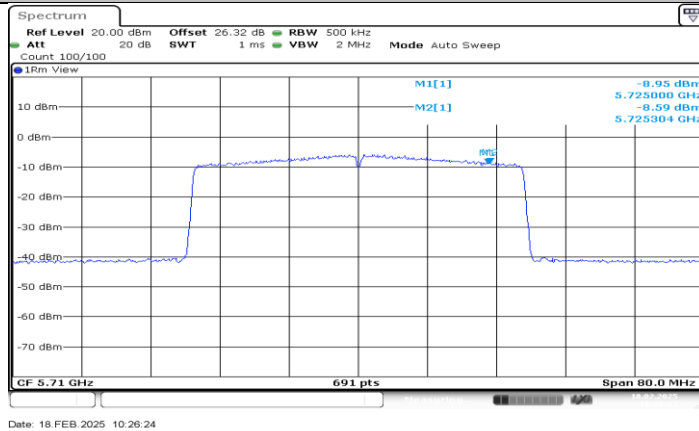




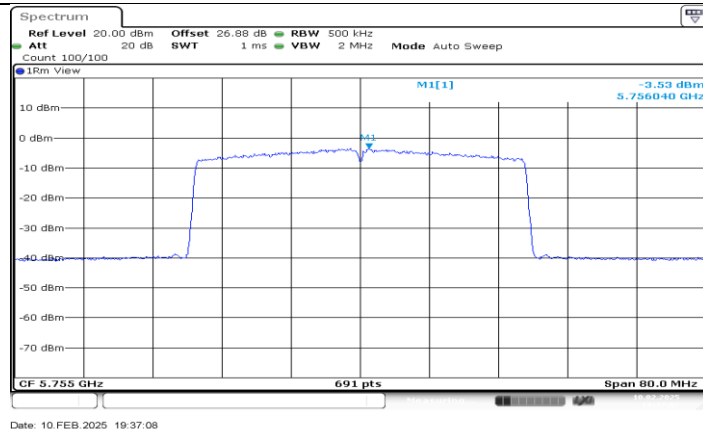
11AX40MIMO_Ant2_5710_UNII-2C



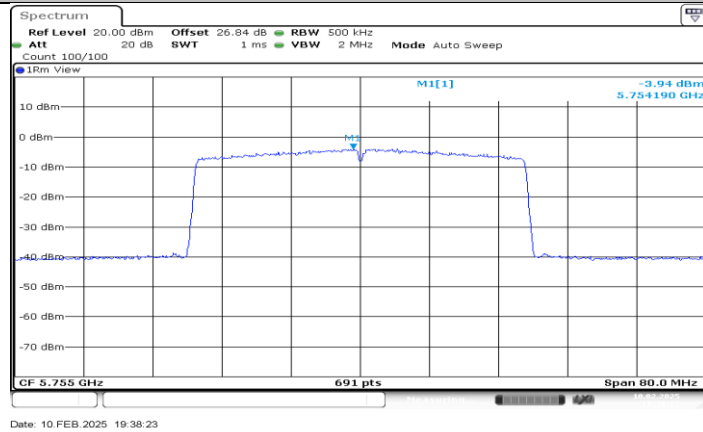
11AX40MIMO_Ant1_5710_UNII-3



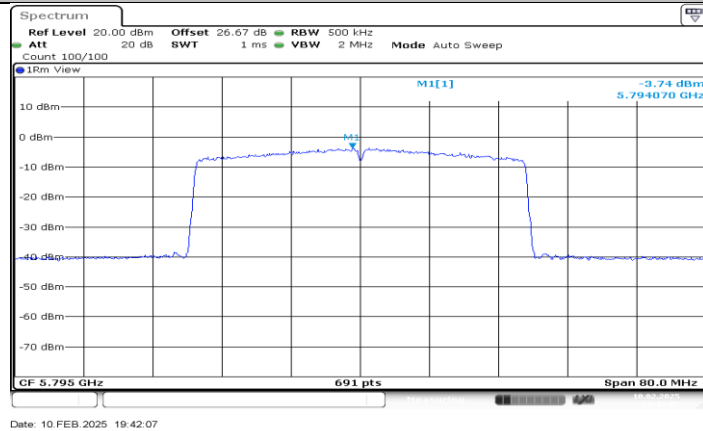
11AX40MIMO_Ant2_5710_UNII-3



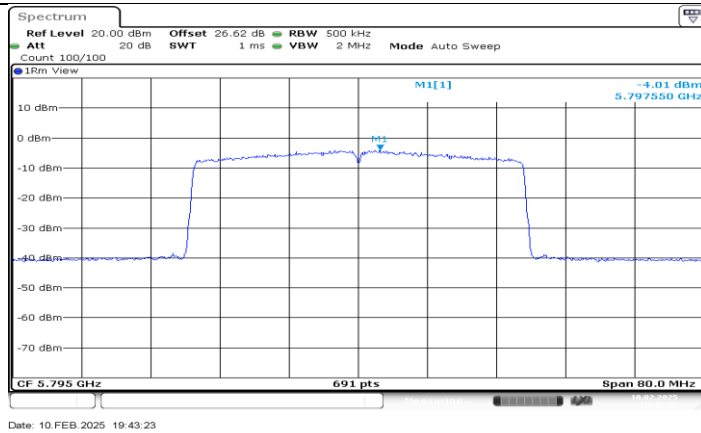
11AX40MIMO_Ant1_5755



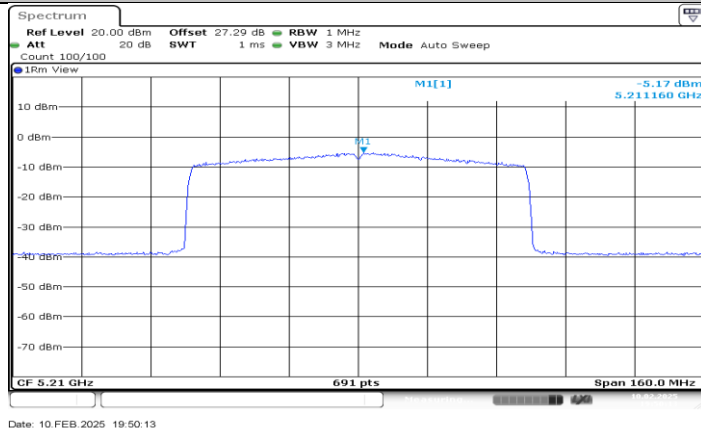
11AX40MIMO_Ant2_5755



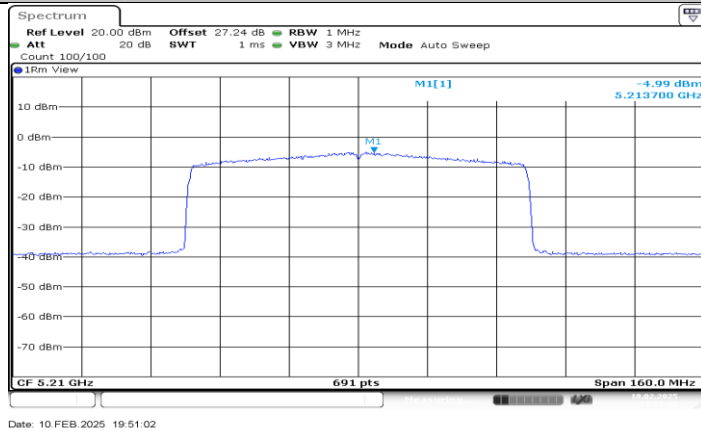
11AX40MIMO_Ant1_5795



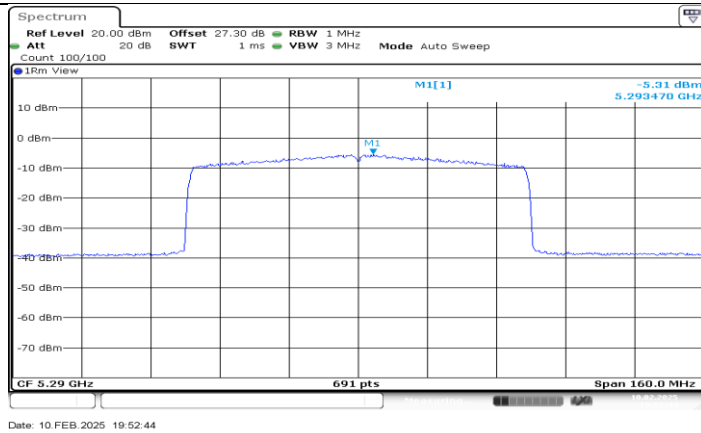
11AX40MIMO_Ant2_5795



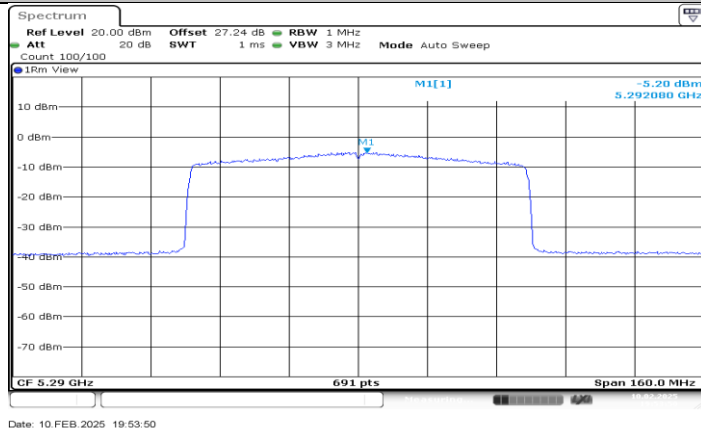
11AX80MIMO_Ant1_5210



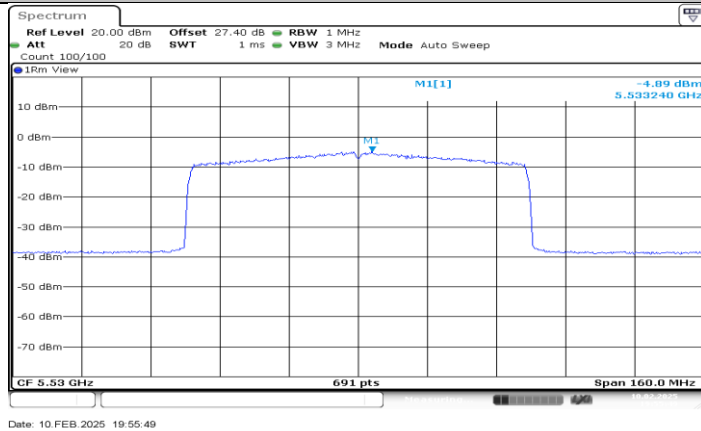
11AX80MIMO_Ant2_5210



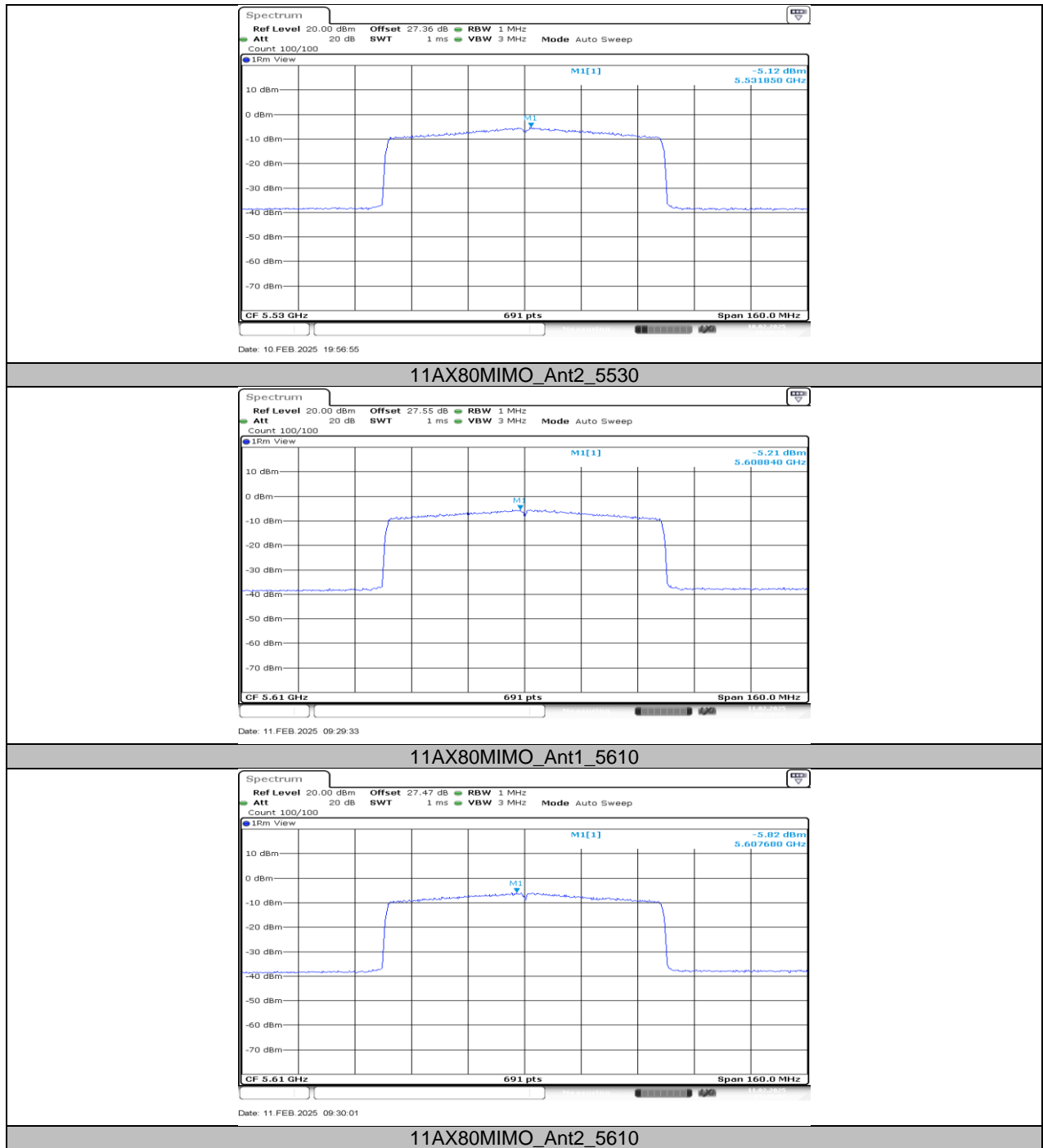
11AX80MIMO_Ant1_5290

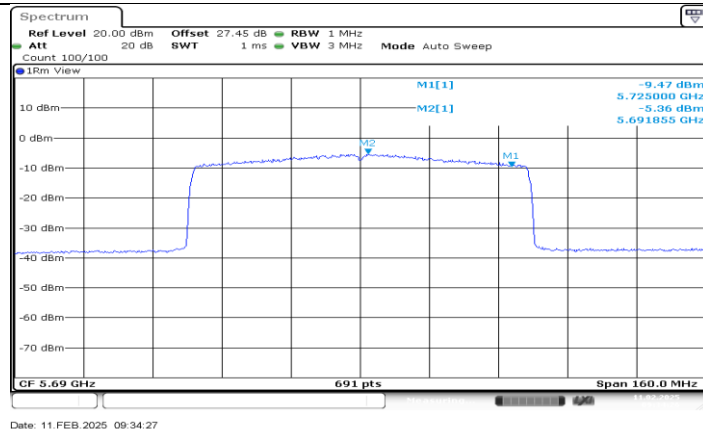


11AX80MIMO_Ant2_5290

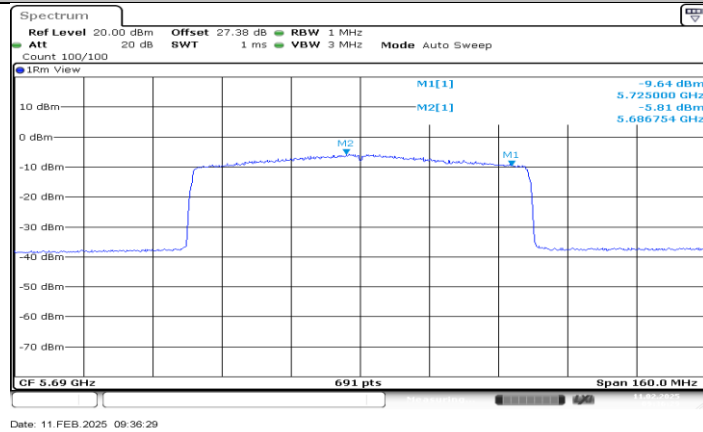


11AX80MIMO_Ant1_5530

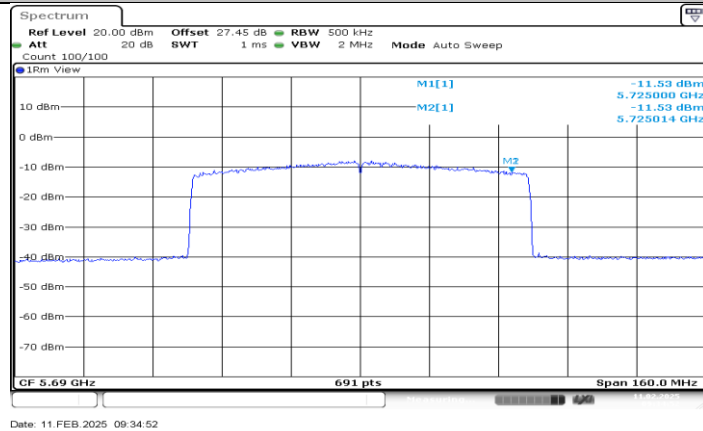




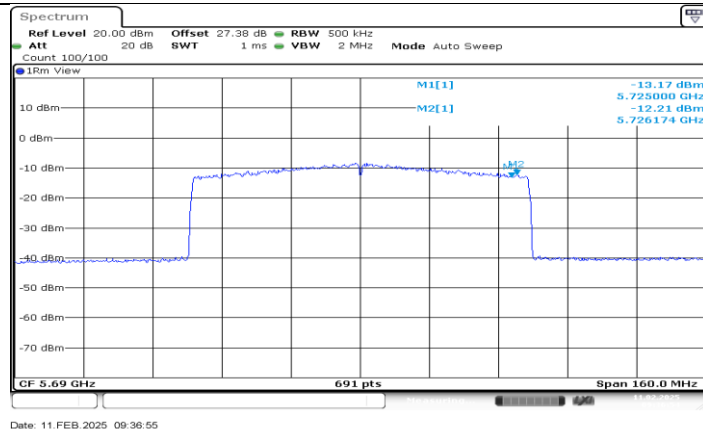
11AX80MIMO_Ant1_5690_UNII-2C



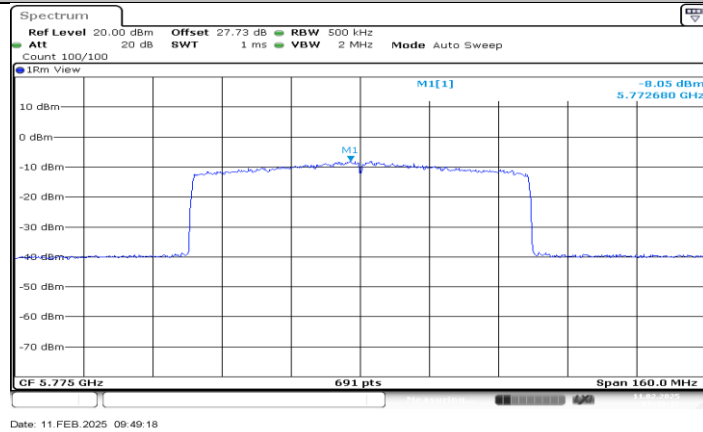
11AX80MIMO_Ant2_5690_UNII-2C



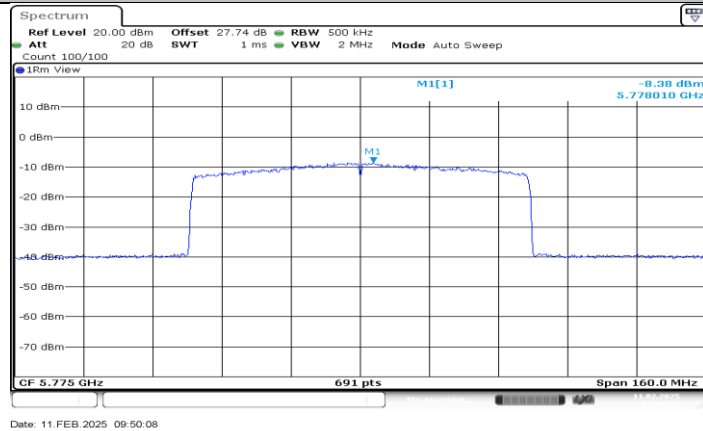
11AX80MIMO_Ant1_5690_UNII-3



11AX80MIMO_Ant2_5690_UNII-3



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775

11.6. APPENDIX F: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5180MHz									
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	5179.9924	-1.47	5180.0212	4.09	5180.0081	1.56	5179.9897	-1.98
TN	VN	5180.0152	2.94	5180.0209	4.04	5179.9879	-2.33	5180.0060	1.16
TN	VH	5179.9955	-0.87	5179.9861	-2.68	5179.9972	-0.54	5180.0030	0.57
Frequency Error vs. Temperature									
802.11a:5180MHz									
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	5180.0155	3.00	5179.9874	-2.43	5180.0036	0.69	5180.0226	4.37
60	VN	5180.0150	2.90	5180.0209	4.03	5179.9811	-3.65	5179.9969	-0.60
50	VN	5180.0058	1.13	5180.0037	0.71	5180.0094	1.81	5179.9801	-3.84
40	VN	5180.0138	2.67	5179.9780	-4.25	5179.9952	-0.93	5179.9995	-0.09
30	VN	5180.0025	0.48	5180.0183	3.54	5180.0193	3.73	5180.0162	3.12
20	VN	5179.9751	-4.81	5180.0211	4.08	5179.9859	-2.71	5180.0082	1.58
10	VN	5180.0125	2.42	5179.9802	-3.82	5179.9811	-3.65	5180.0199	3.84
0	VN	5180.0212	4.10	5179.9808	-3.70	5180.0210	4.05	5179.9829	-3.30

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:5825MHz									
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	5824.9860	-2.40	5825.0166	2.84	5825.0043	0.74	5824.9921	-1.35
TN	VN	5825.0059	1.01	5825.0101	1.73	5825.0001	0.02	5824.9894	-1.82
TN	VH	5825.0217	3.73	5824.9780	-3.77	5825.0013	0.21	5825.0001	0.02
Frequency Error vs. Temperature									
802.11a:5825MHz									
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	5825.0234	4.01	5824.9887	-1.93	5824.9845	-2.66	5824.9912	-1.51
60	VN	5825.0186	3.20	5825.0074	1.26	5824.9810	-3.26	5824.9842	-2.71
50	VN	5825.0242	4.16	5825.0171	2.94	5825.0090	1.54	5824.9767	-3.99
40	VN	5825.0222	3.81	5824.9895	-1.80	5825.0060	1.03	5825.0126	2.17
30	VN	5824.9867	-2.28	5824.9890	-1.88	5825.0227	3.90	5825.0065	1.11
20	VN	5824.9896	-1.79	5824.9758	-4.15	5824.9863	-2.35	5824.9755	-4.20
10	VN	5824.9964	-0.62	5824.9847	-2.62	5824.9962	-0.65	5824.9761	-4.10
0	VN	5825.0069	1.19	5825.0198	3.39	5825.0065	1.12	5824.9985	-0.26

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	1.38	2.01	0.6866	68.66	1.63	0.72	1
11N20MIMO	1.29	1.91	0.6754	67.54	1.70	0.78	1
11N40MIMO	0.64	1.27	0.5039	50.39	2.98	1.56	2
11AC80MIMO	1.16	1.88	0.6170	61.70	2.10	0.86	1
11AX20MIMO	3.86	4.58	0.8428	84.28	0.74	0.26	1
11AX40MIMO	1.96	2.69	0.7286	72.86	1.37	0.51	1
11AX80MIMO	0.97	1.69	0.5740	57.40	2.41	1.03	2

Note:

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

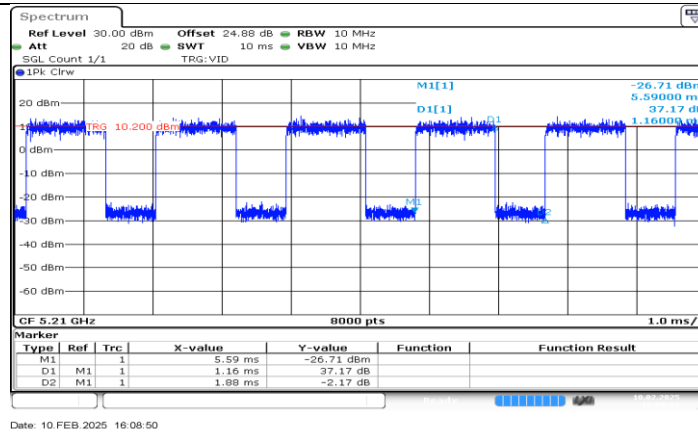
Where: x is Duty Cycle (Linear)

Where: T is On Time

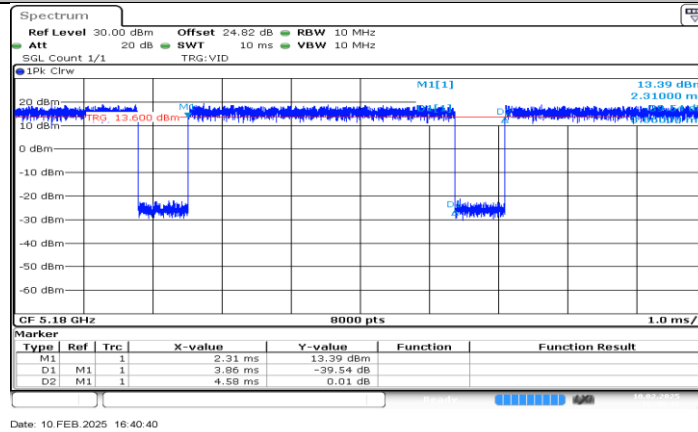
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

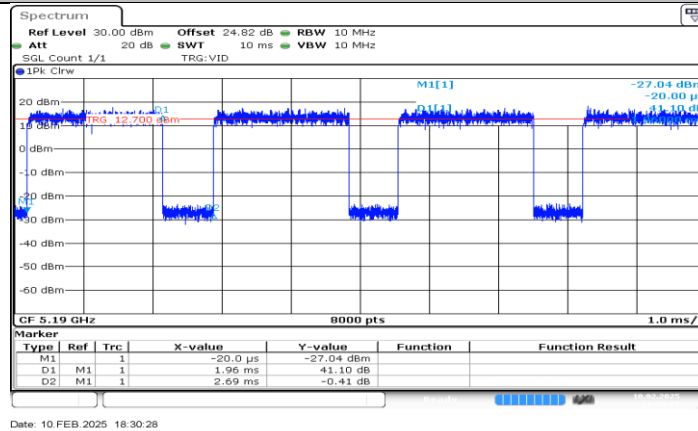




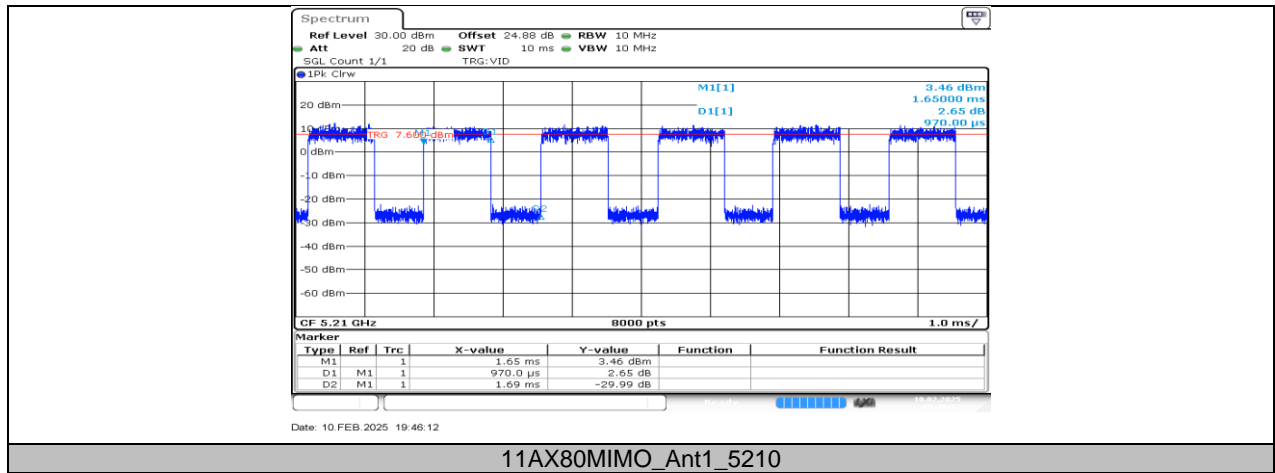
11AC80MIMO_Ant1_5210



11AX20MIMO_Ant1_5180



11AX40MIMO_Ant1_5190

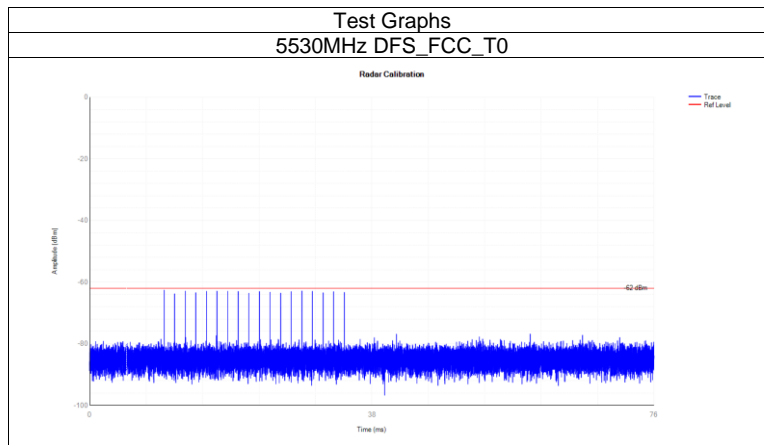


11.8. APPENDIX H: DFS

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

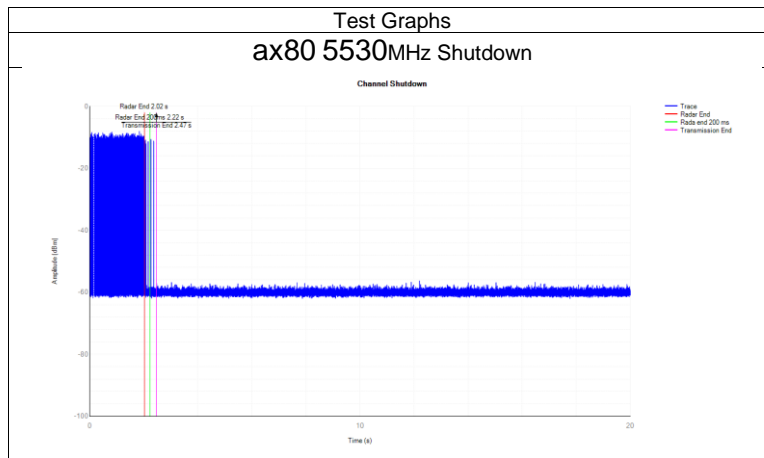
11.8.1. Appendix H: Calibration

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



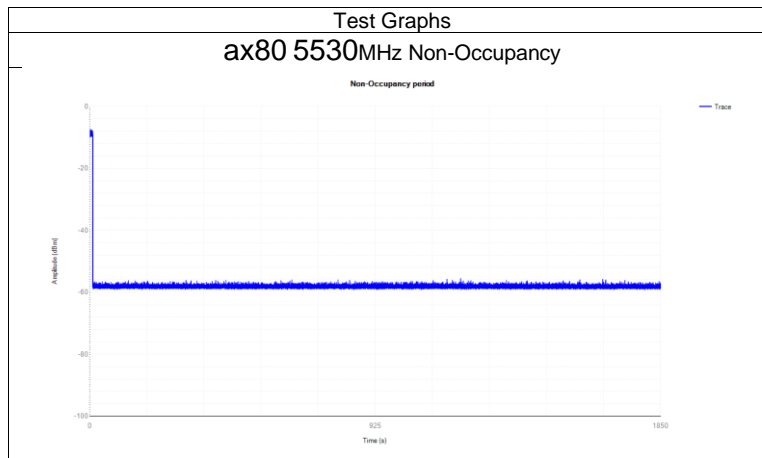
11.8.2. Appendix I: Shutdown Time

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	0.444	10	0.018	0.26	0.003	0.06	Pass



11.8.3. Appendix J: Non-Occupancy

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



END OF REPORT