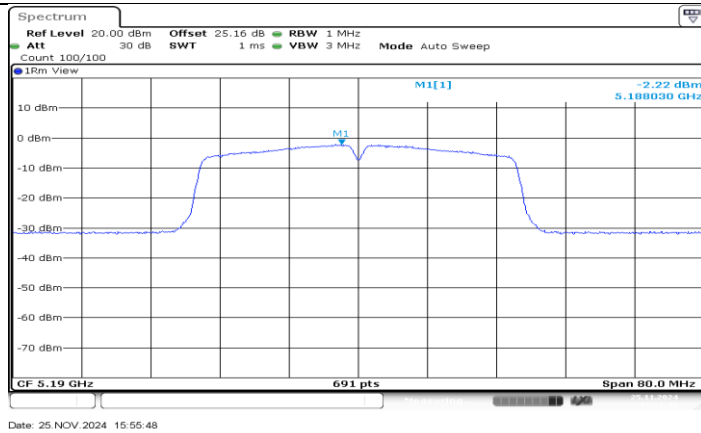
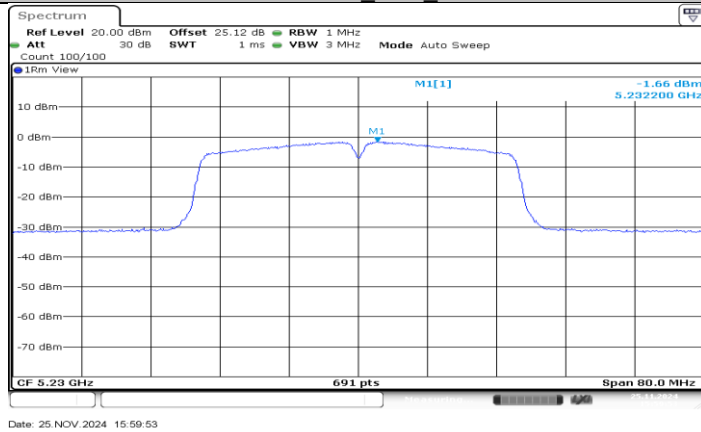
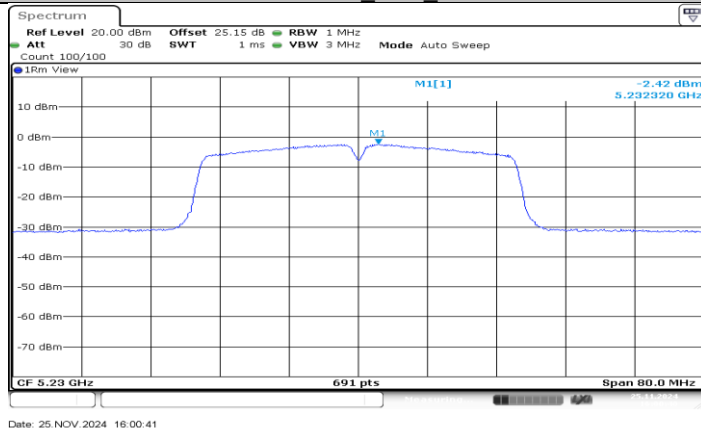




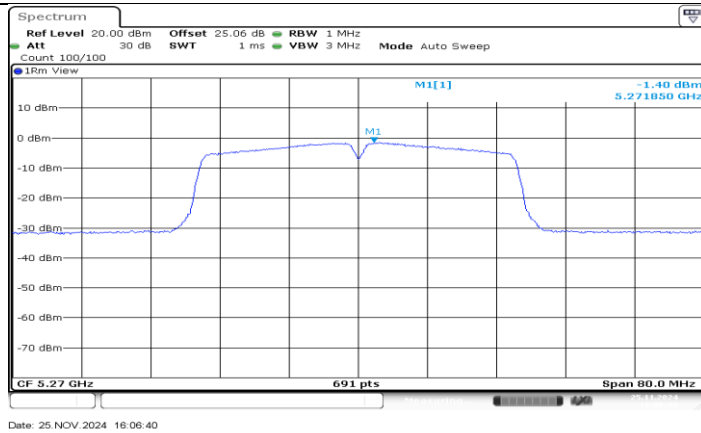
11N40MIMO_Ant2_5190



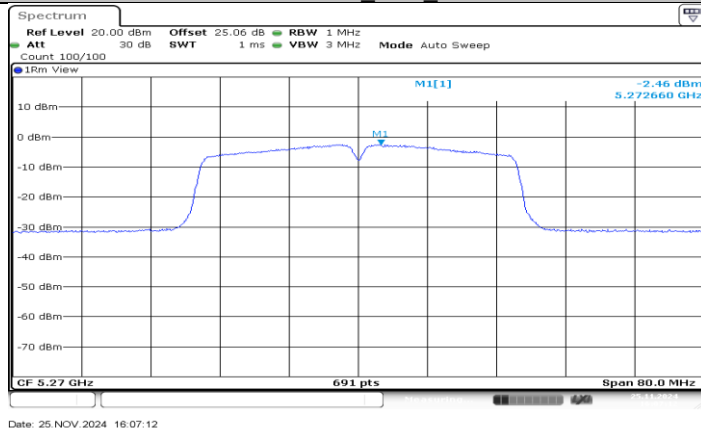
11N40MIMO_Ant1_5230



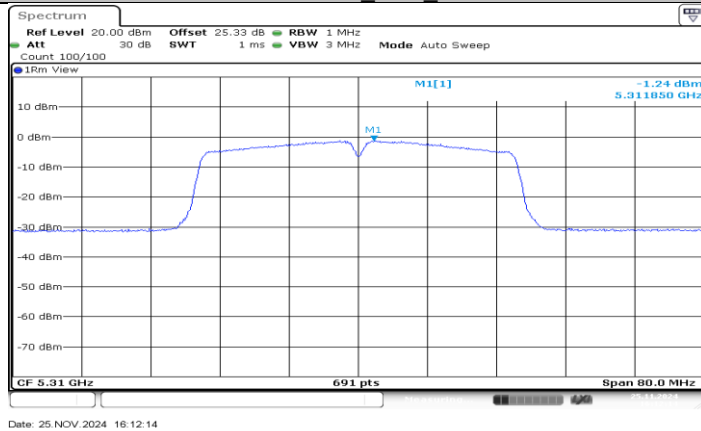
11N40MIMO_Ant2_5230



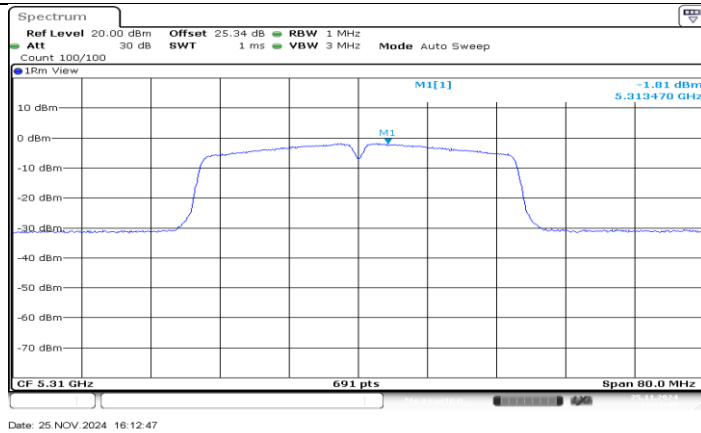
11N40MIMO_Ant1_5270



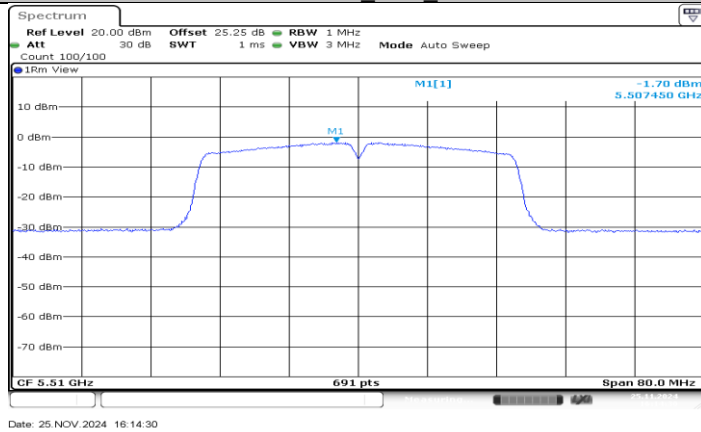
11N40MIMO_Ant2_5270



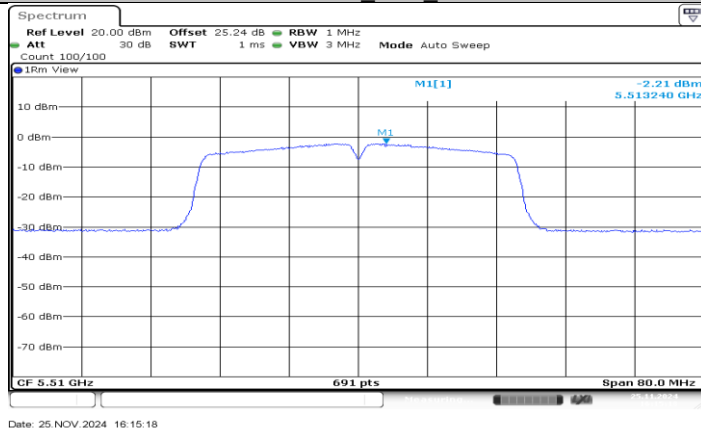
11N40MIMO_Ant1_5310



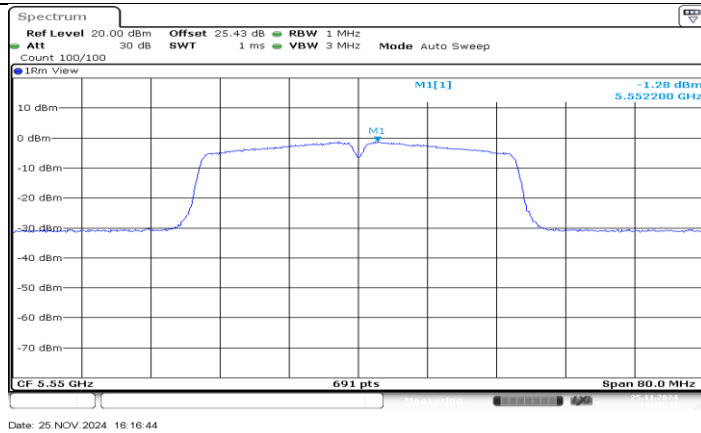
11N40MIMO_Ant2_5310



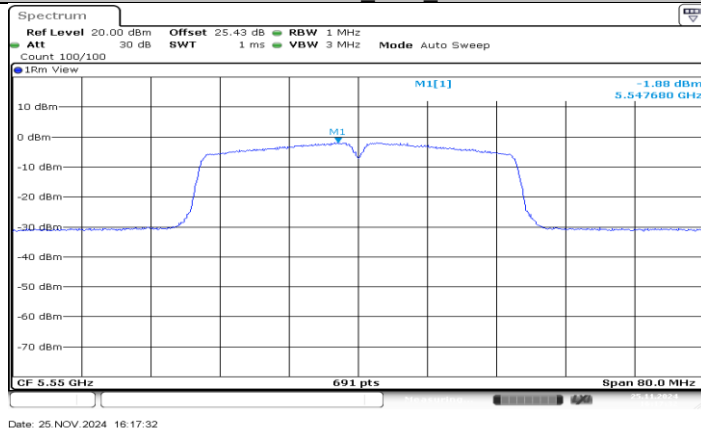
11N40MIMO_Ant1_5510



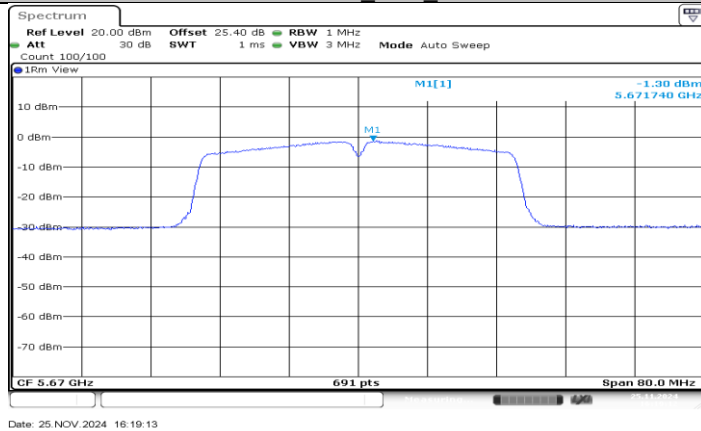
11N40MIMO_Ant2_5510



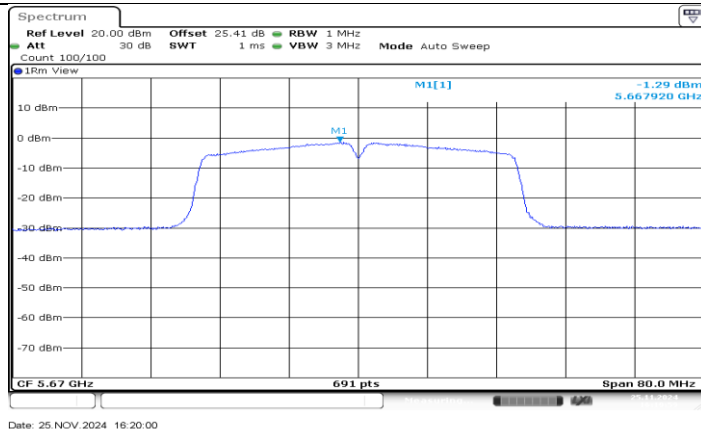
11N40MIMO_Ant1_5550



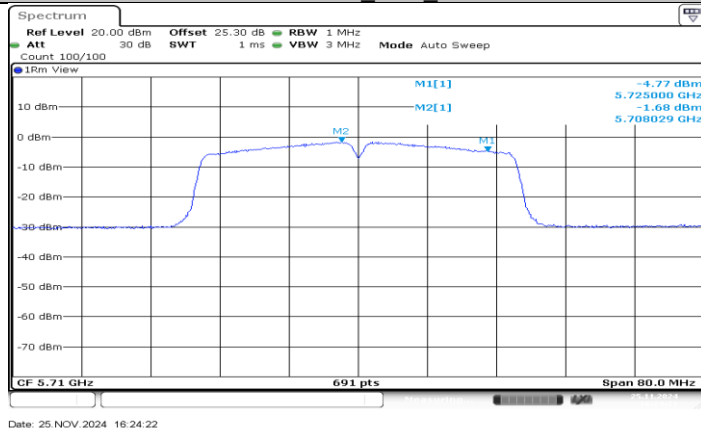
11N40MIMO_Ant2_5550



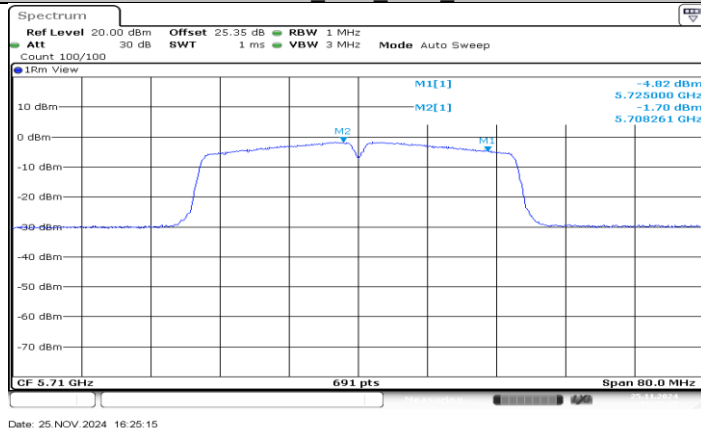
11N40MIMO_Ant1_5670



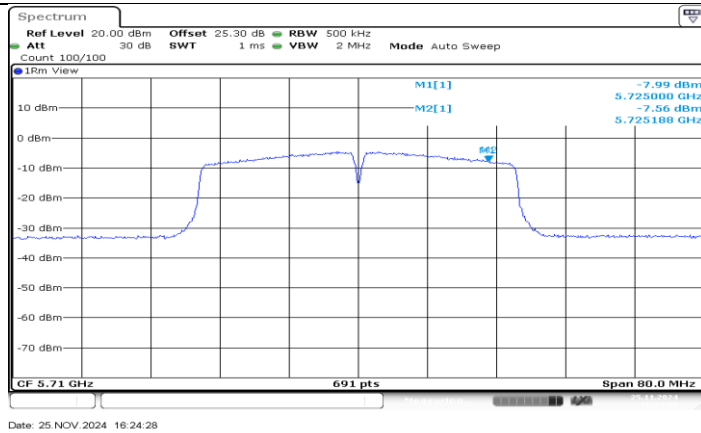
11N40MIMO_Ant2_5670



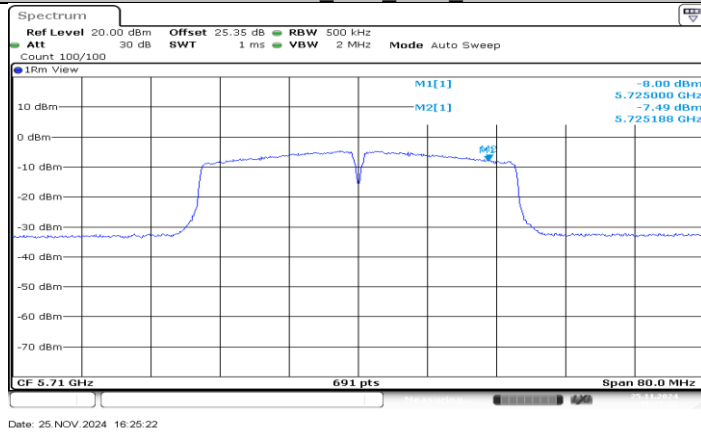
11N40MIMO_Ant1_5710_UNII-2C



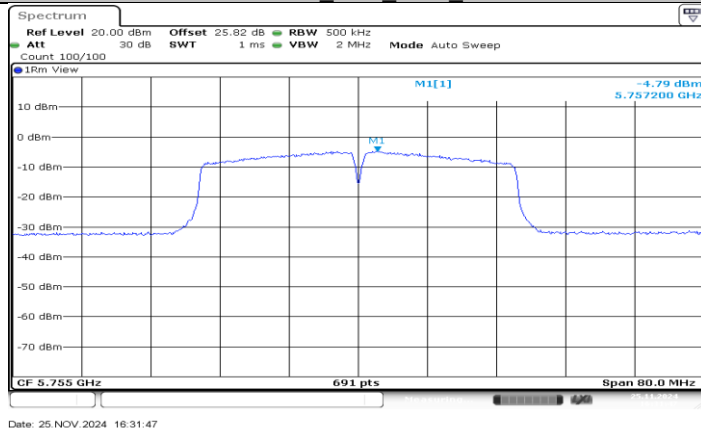
11N40MIMO_Ant2_5710_UNII-2C



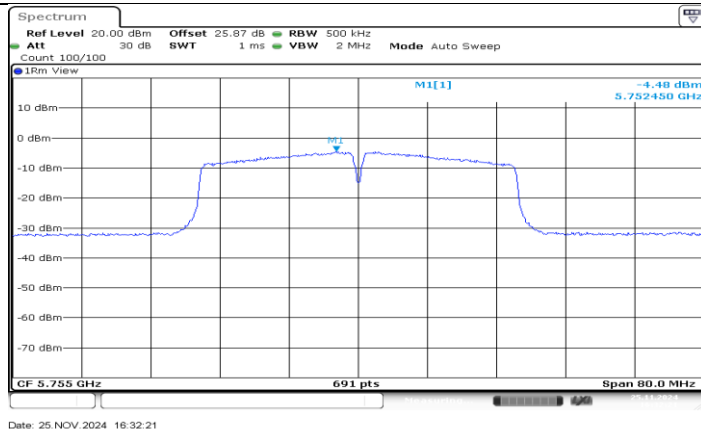
11N40MIMO_Ant1_5710_UNII-3



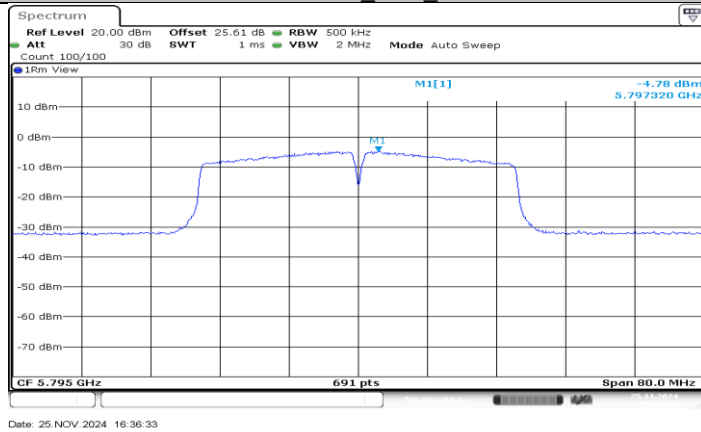
11N40MIMO_Ant2_5710_UNII-3



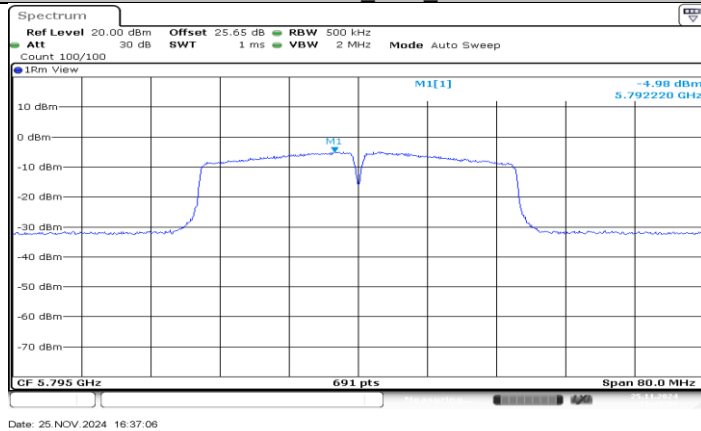
11N40MIMO_Ant1_5755



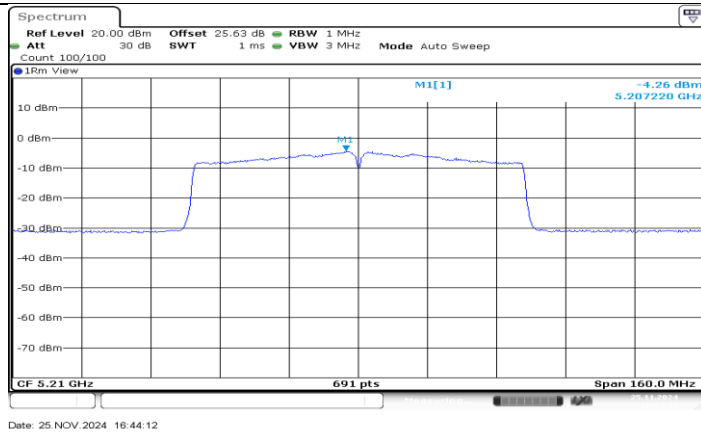
11N40MIMO_Ant2_5755



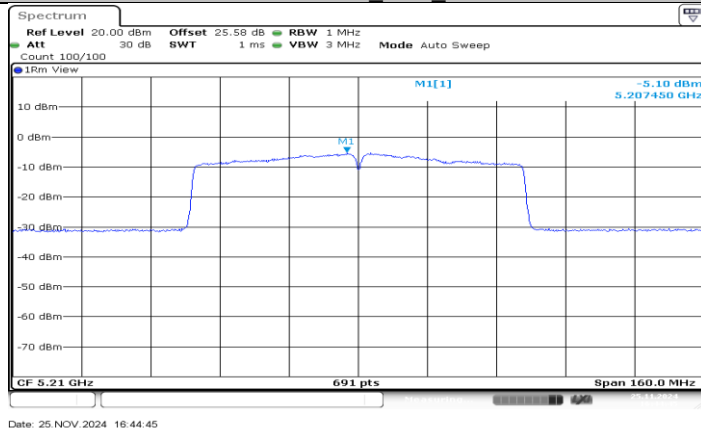
11N40MIMO_Ant1_5795



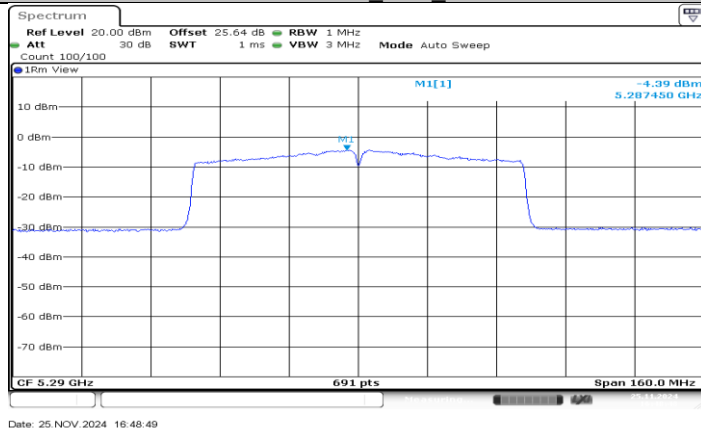
11N40MIMO_Ant2_5795



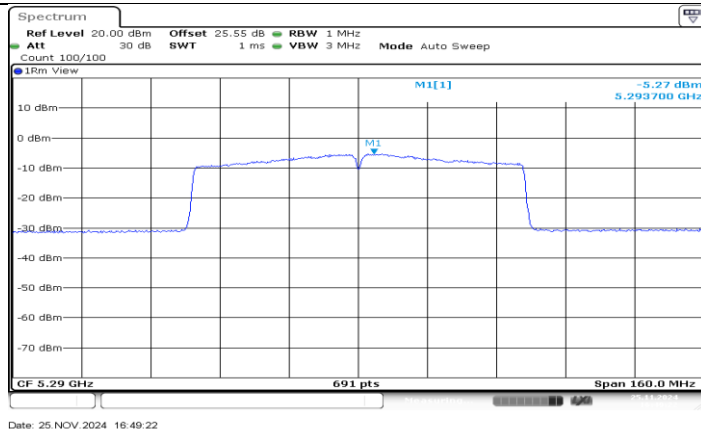
11AC80MIMO_Ant1_5210



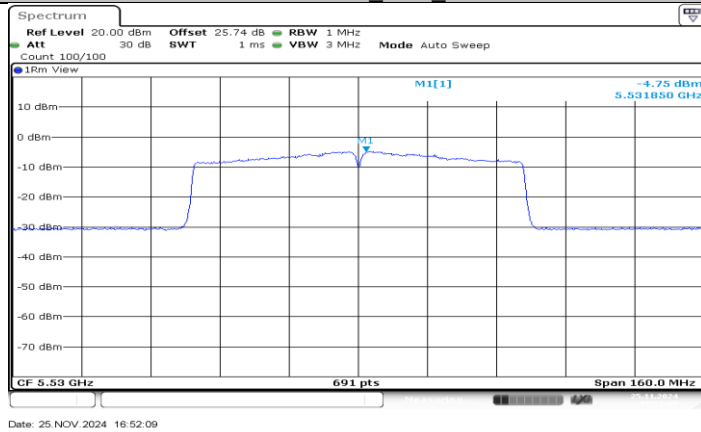
11AC80MIMO_Ant2_5210



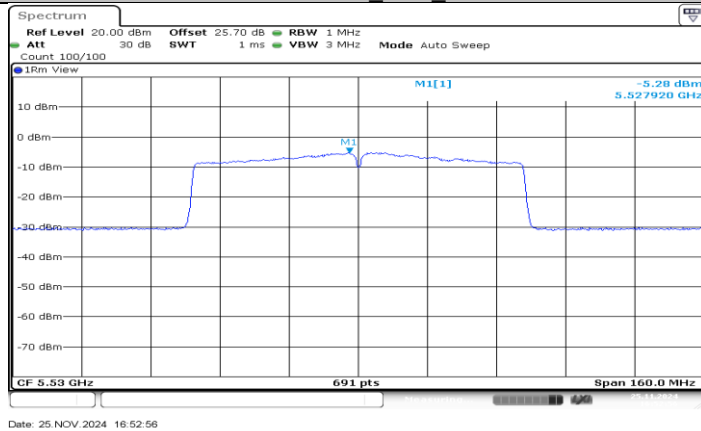
11AC80MIMO_Ant1_5290



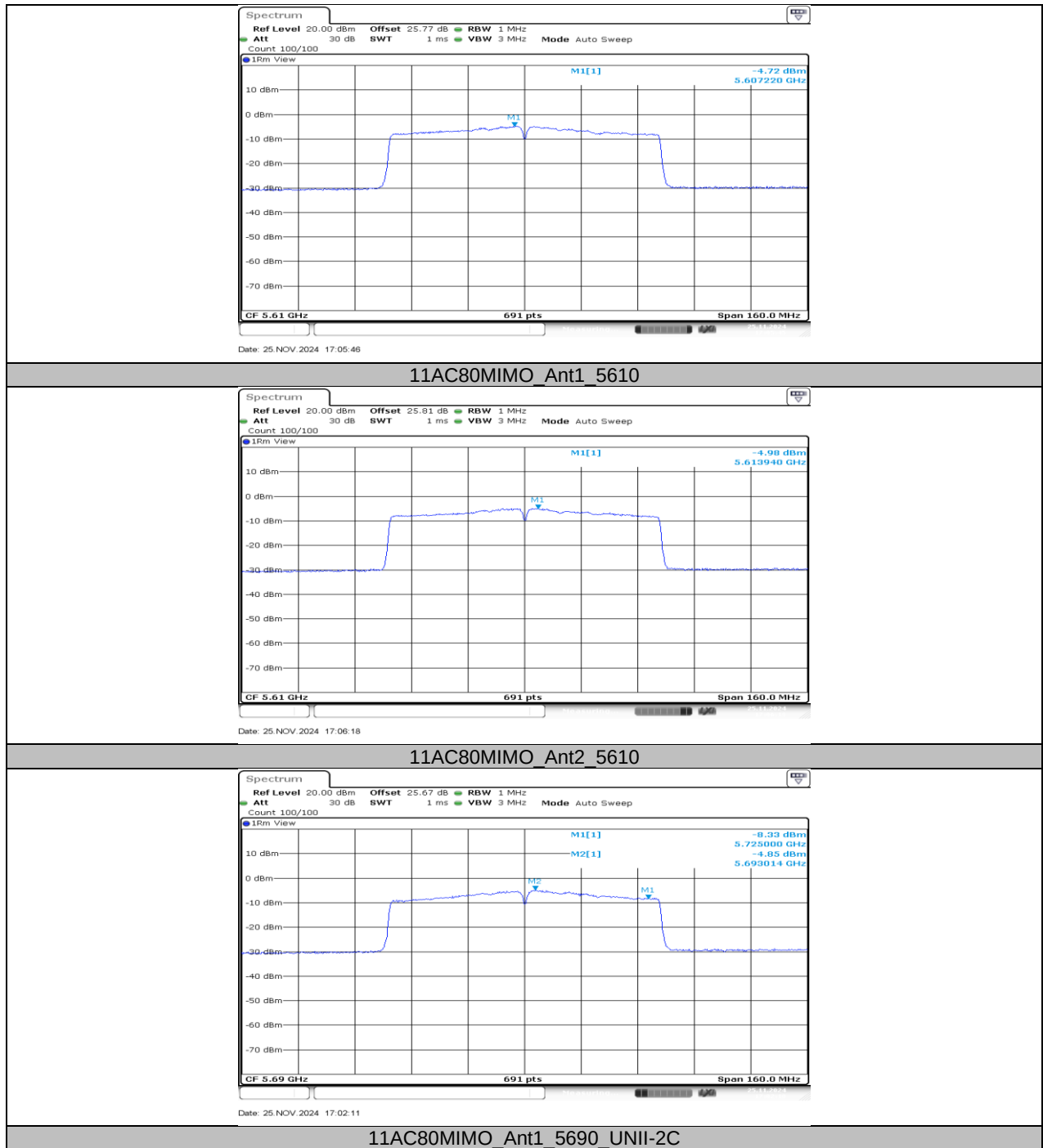
11AC80MIMO_Ant2_5290

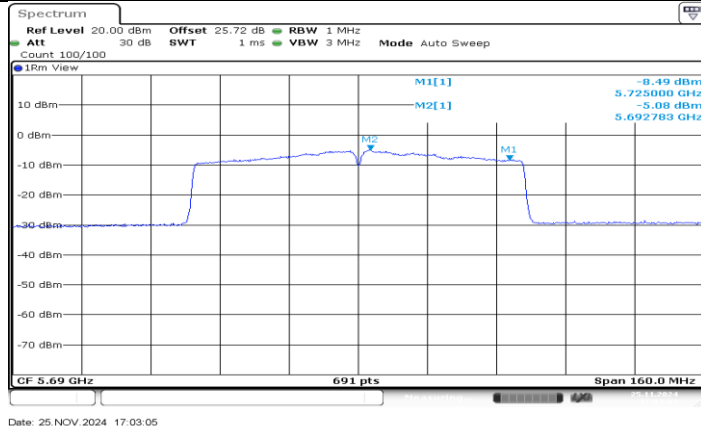


11AC80MIMO_Ant1_5530

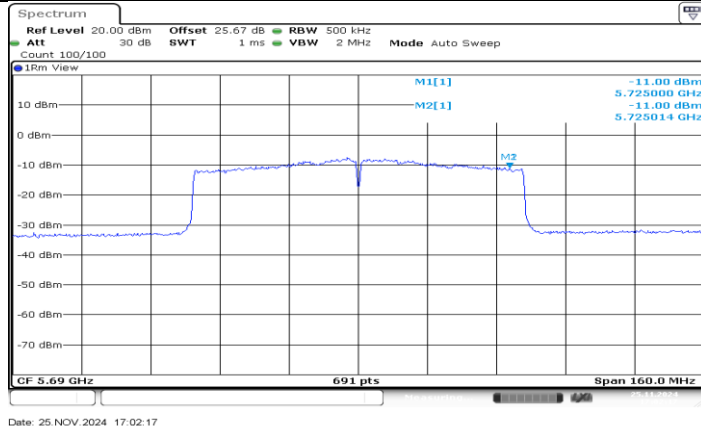


11AC80MIMO_Ant2_5530

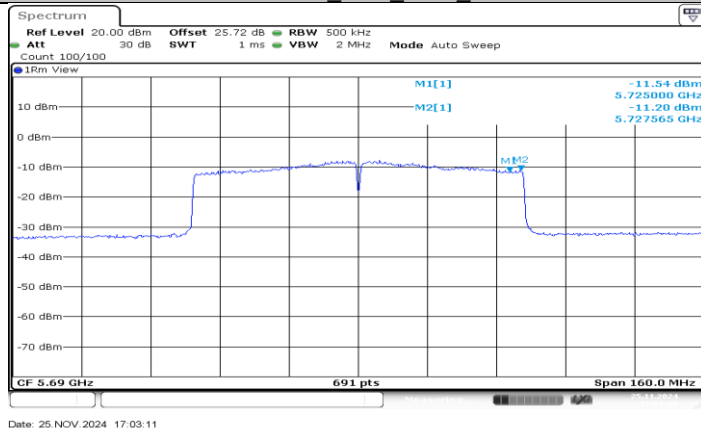




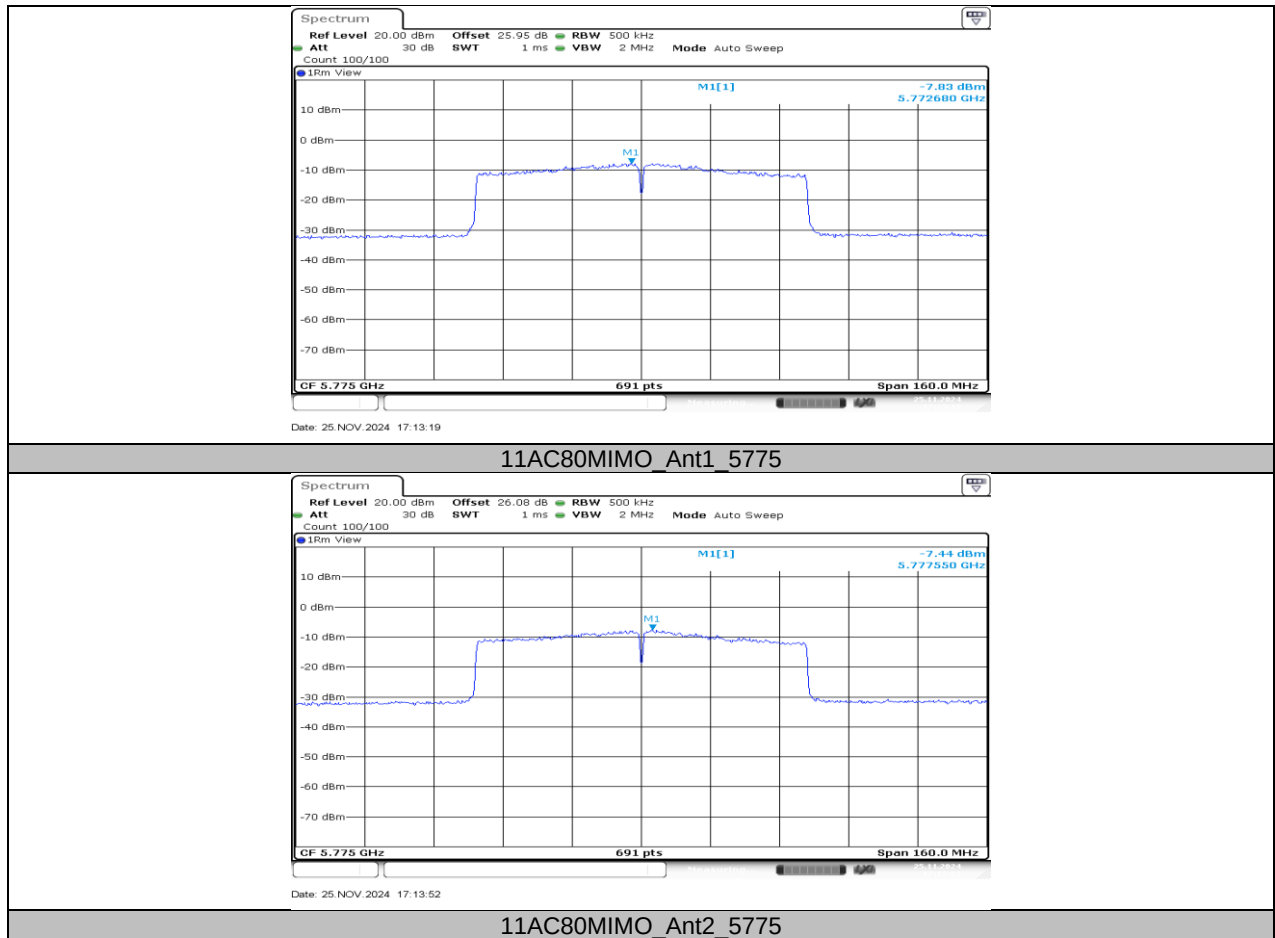
11AC80MIMO_Ant2_5690_UNII-2C



11AC80MIMO_Ant1_5690_UNII-3



11AC80MIMO_Ant2_5690_UNII-3



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	5179.9789	-4.07	5180.0191	3.68	5180.0000	-0.01	5180.0048	0.93
TN	VN	5179.9788	-4.09	5179.9779	-4.27	5179.9882	-2.28	5179.9912	-1.70
TN	VH	5179.9759	-4.66	5179.9991	-0.17	5180.0051	0.98	5180.0218	4.21
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)
40	VN	5179.9834	-3.20	5180.0102	1.96	5179.9914	-1.66	5179.9895	-2.03
30	VN	5179.9941	-1.15	5180.0009	0.17	5179.9841	-3.06	5180.0057	1.09
20	VN	5180.0034	0.66	5179.9806	-3.75	5180.0056	1.09	5180.0066	1.27
10	VN	5180.0049	0.95	5180.0172	3.33	5180.0001	0.02	5179.9832	-3.25
0	VN	5180.0146	2.81	5180.0182	3.51	5179.9802	-3.83	5180.0021	0.40

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	5824.9846	-2.64	5824.9797	-3.49	5824.9770	-3.94	5825.0072	1.23
TN	VN	5824.9765	-4.03	5824.9887	-1.95	5825.0124	2.12	5824.9833	-2.87
TN	VH	5825.0185	3.18	5825.0110	1.88	5825.0018	0.30	5824.9763	-4.06
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)
40	VN	5824.9937	-1.09	5825.0088	1.51	5825.0054	0.93	5824.9964	-0.63
30	VN	5824.9994	-0.10	5825.0075	1.30	5825.0054	0.93	5825.0025	0.43
20	VN	5825.0189	3.24	5824.9830	-2.92	5824.9842	-2.71	5824.9953	-0.80
10	VN	5825.0249	4.27	5825.0122	2.10	5825.0223	3.83	5825.0187	3.21
0	VN	5825.0196	3.37	5824.9907	-1.60	5824.9779	-3.79	5825.0040	0.69

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	1.43	0.9650	96.50	0.15	0.72	1
11N20MIMO	1.29	1.34	0.9627	96.27	0.17	0.78	1
11N40MIMO	0.65	0.7	0.9286	92.86	0.32	1.54	2
11AC80MIMO	0.32	0.38	0.8421	84.21	0.75	3.13	4

Note:

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

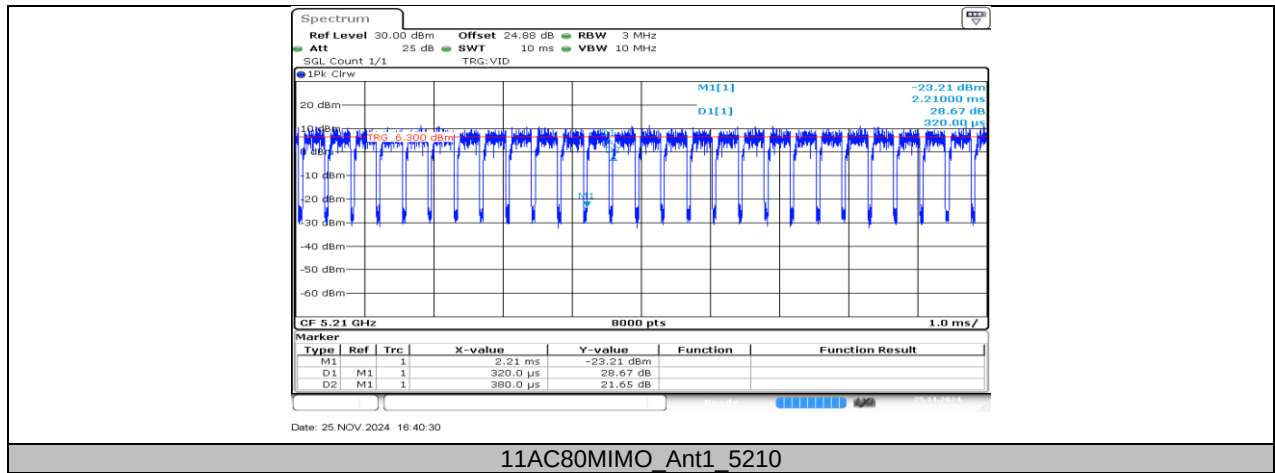
Where: x is Duty Cycle (Linear)

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



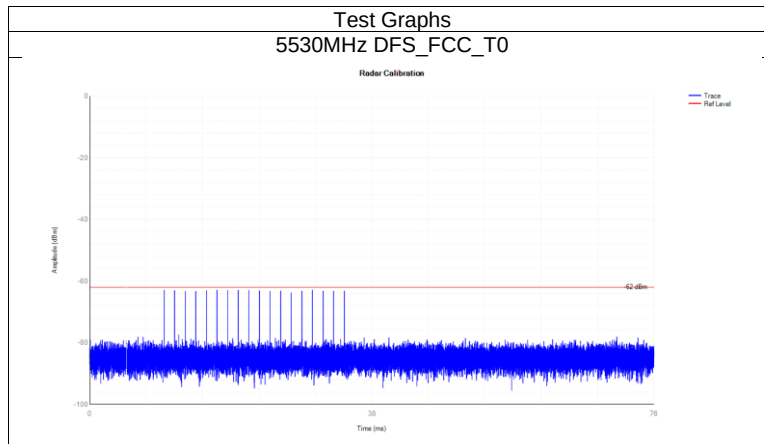


11.8. APPENDIX H: CALIBRATION

11.8.1. Test Result

Mode	Frequency (MHz)	Type	Result	Verdict
ac80	5530	DFS_FCC_T0	See test Graph	Pass

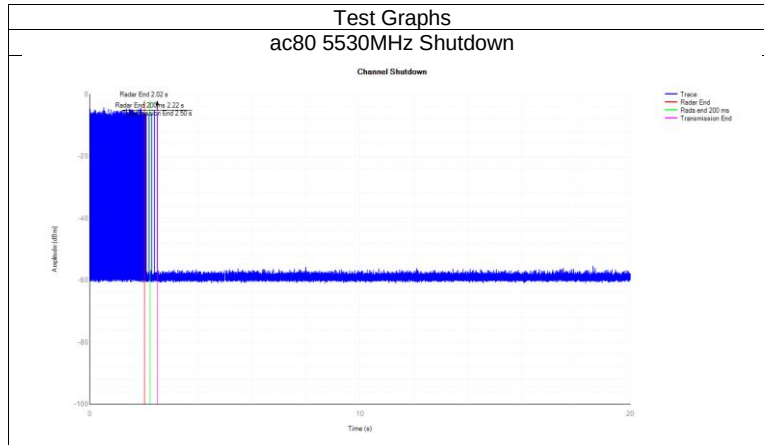
11.8.2. Test Graphs



11.9. APPENDIX I: SHUTDOWN 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
ac80	5530	0.476	10	0.017	0.26	0.004	0.06	Pass

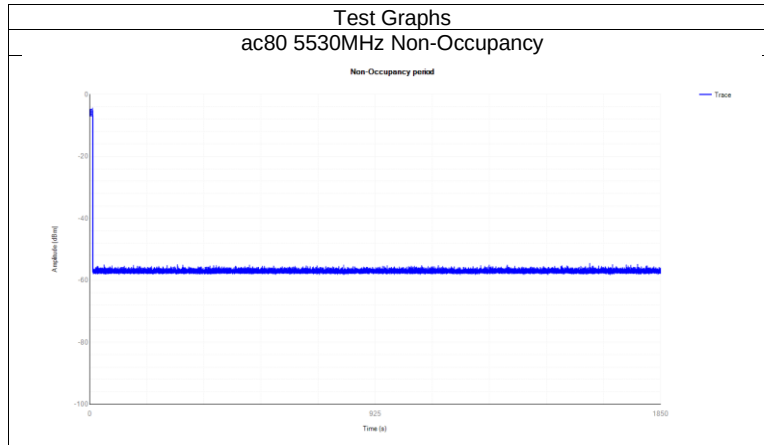
11.9.2. Test Graphs



11.10. APPENDIX J: NON-OCCUPANCY**11.10.1. Test Result**

Mode	Frequency (MHz)	Result	Verdict
ac80	5530	See test Graph	Pass

11.10.2. Test Graphs



END OF REPORT