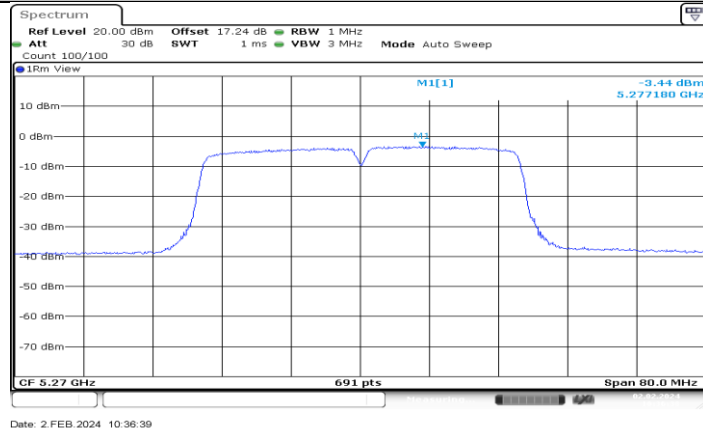
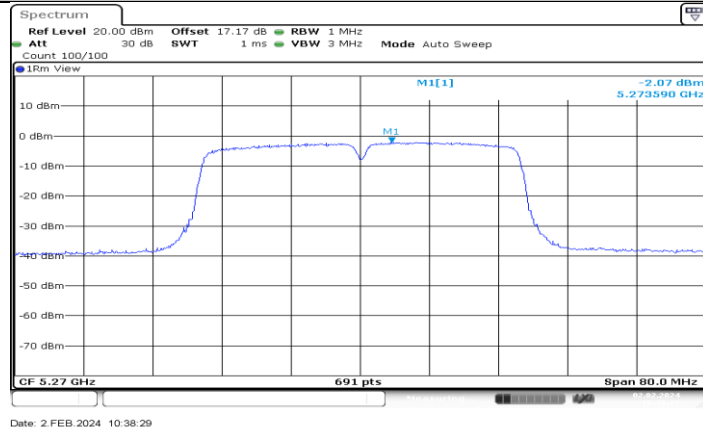


11N40MIMO\_Ant2\_5230

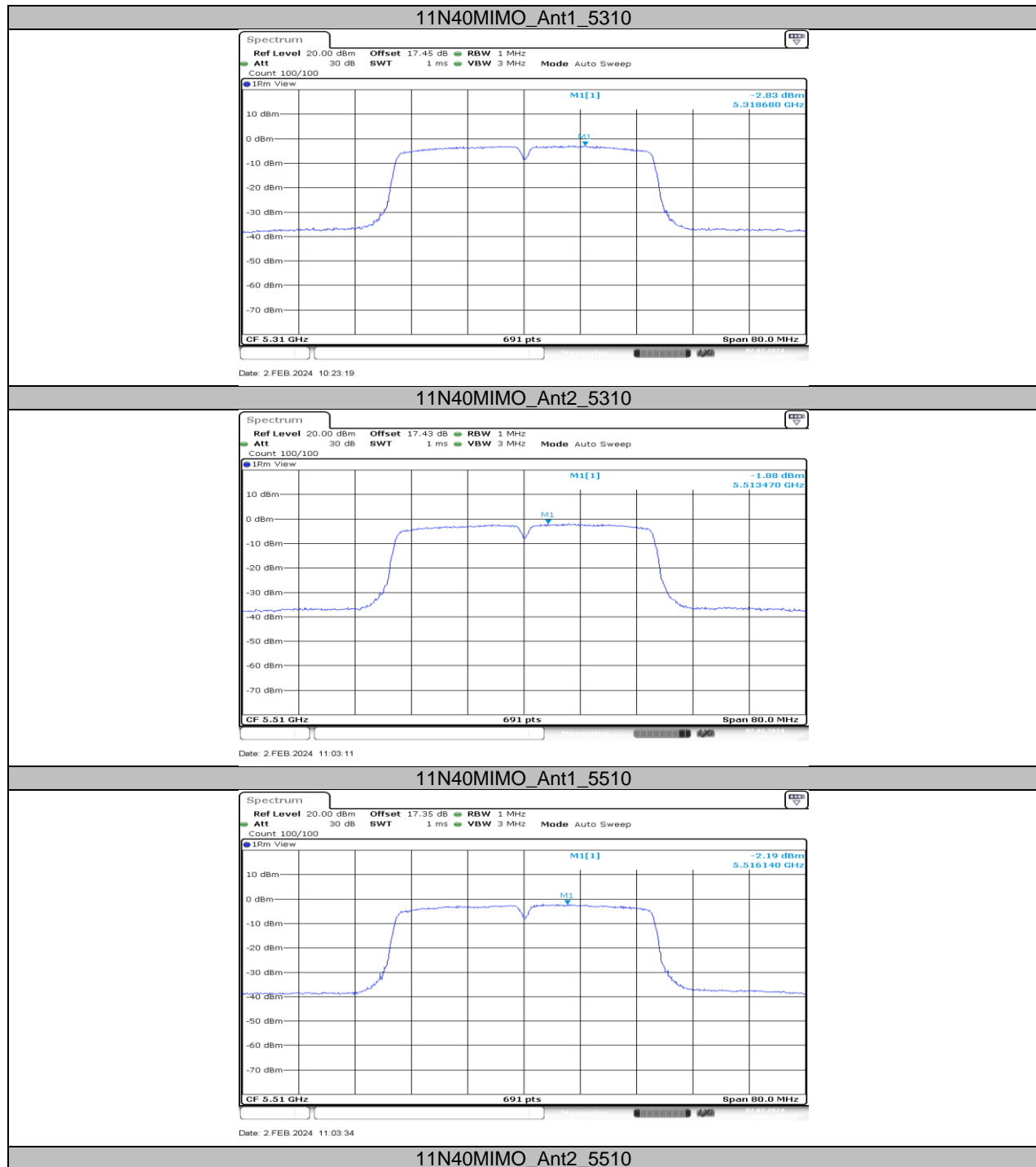


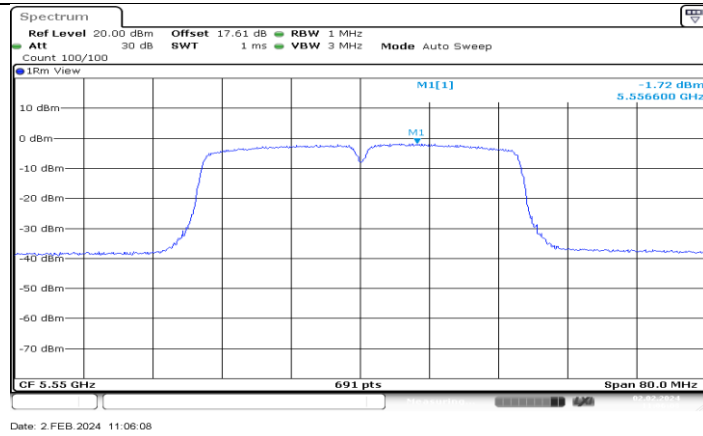
11N40MIMO\_Ant1\_5270



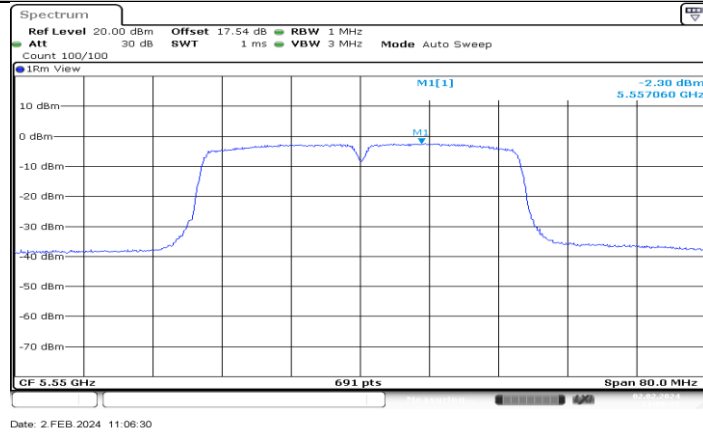
11N40MIMO\_Ant2\_5270



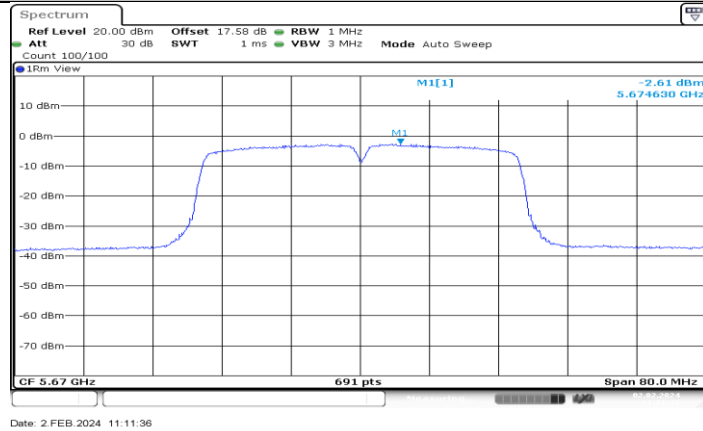




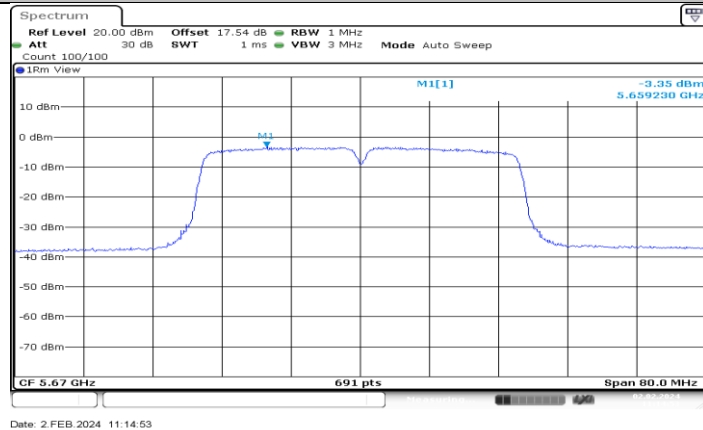
11N40MIMO\_Ant1\_5550

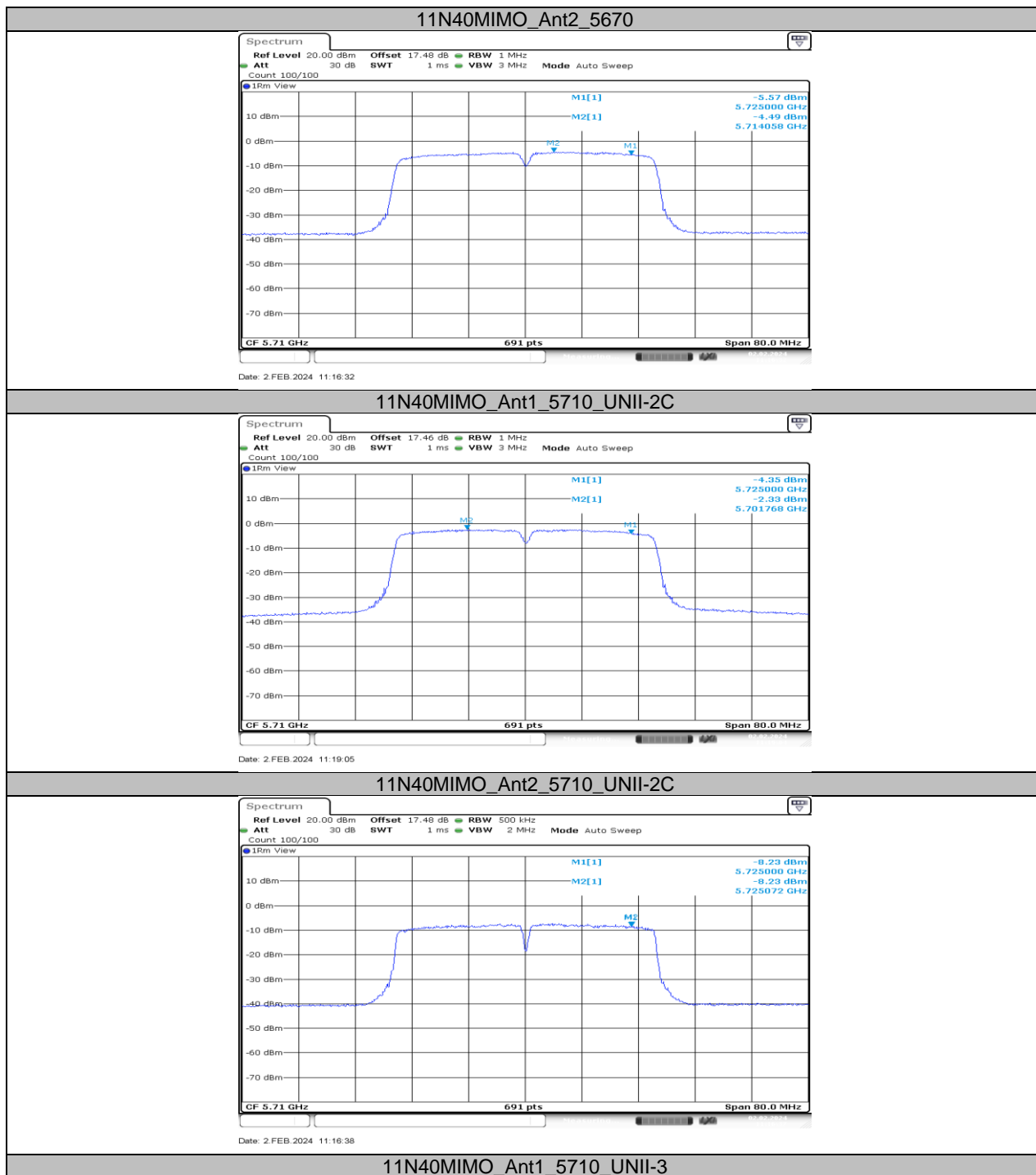


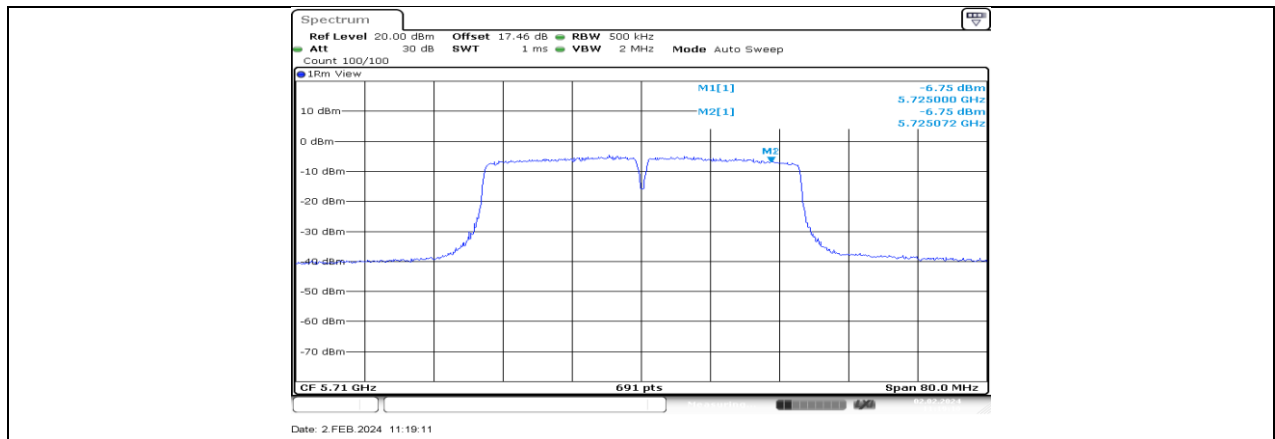
11N40MIMO\_Ant2\_5550



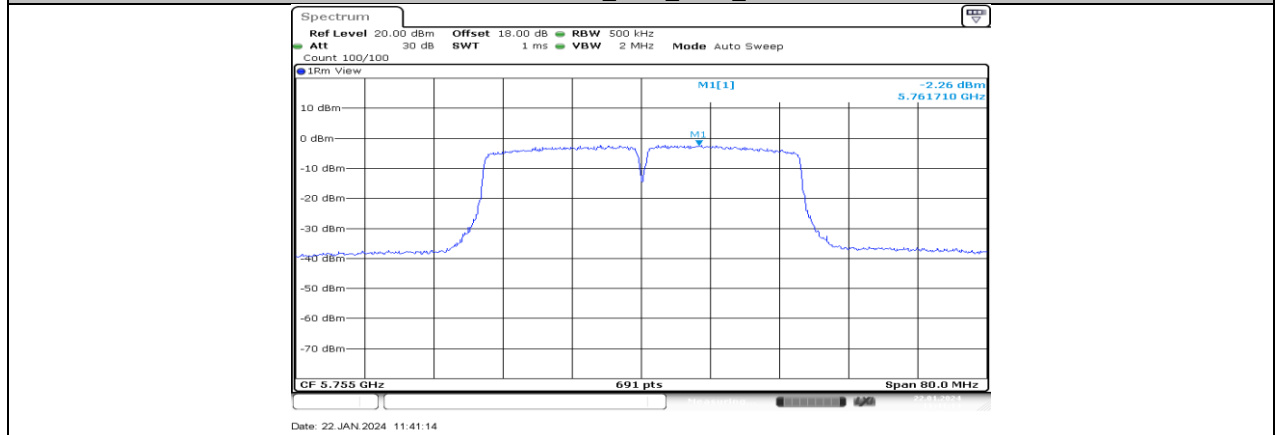
11N40MIMO\_Ant1\_5670



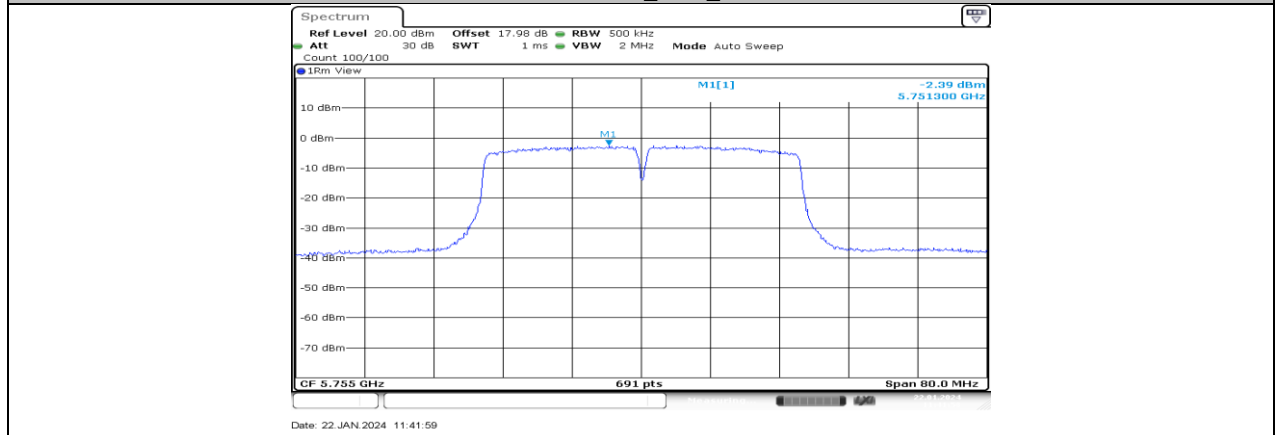




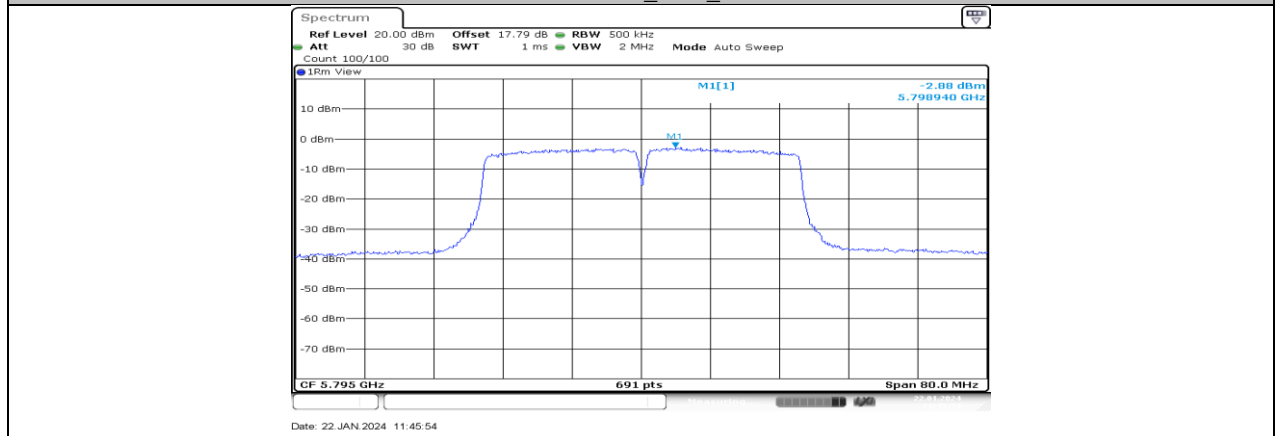
11N40MIMO\_Ant2\_5710\_UNII-3



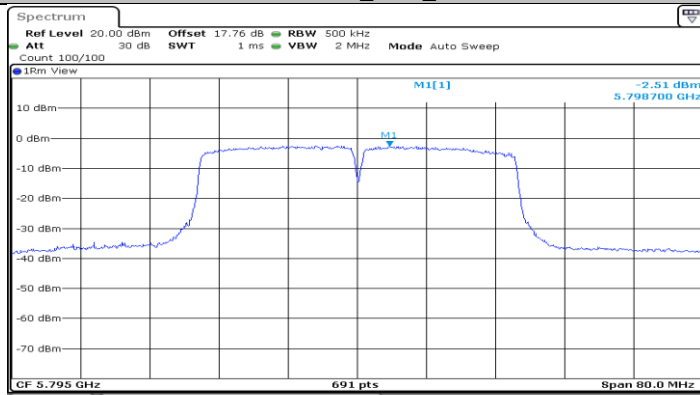
11N40MIMO\_Ant1\_5755



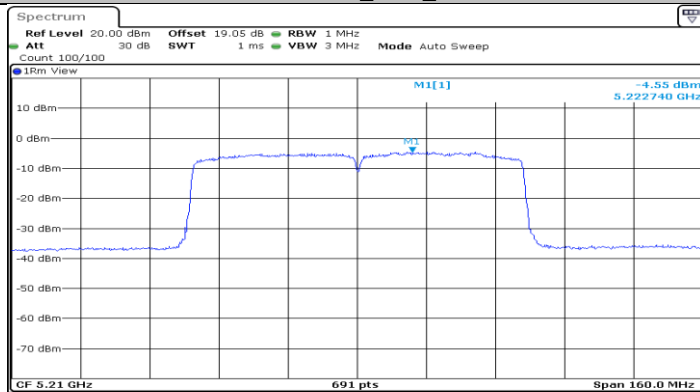
11N40MIMO\_Ant2\_5755



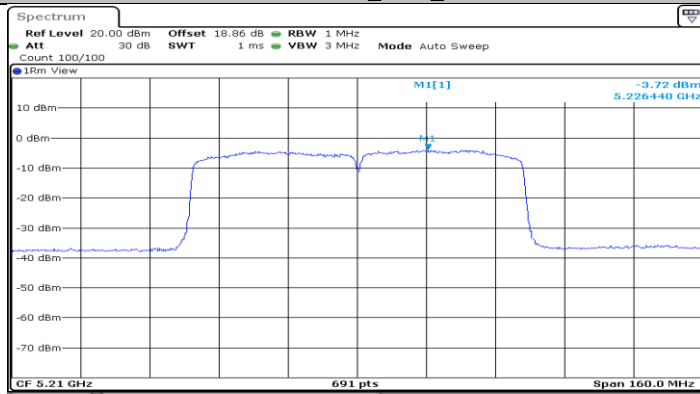
## 11N40MIMO\_Ant1\_5795



## 11N40MIMO\_Ant2\_5795

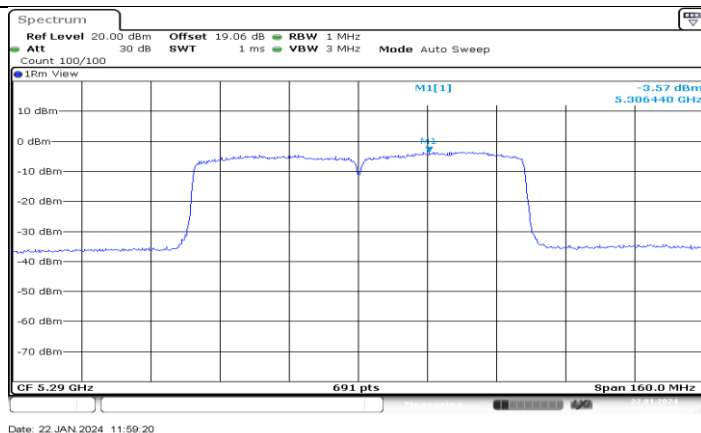


## 11AC80MIMO\_Ant1\_5210

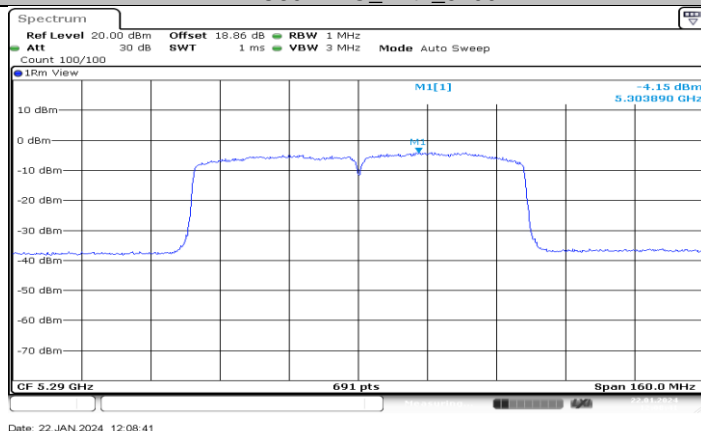


## 11AC80MIMO\_Ant2\_5210

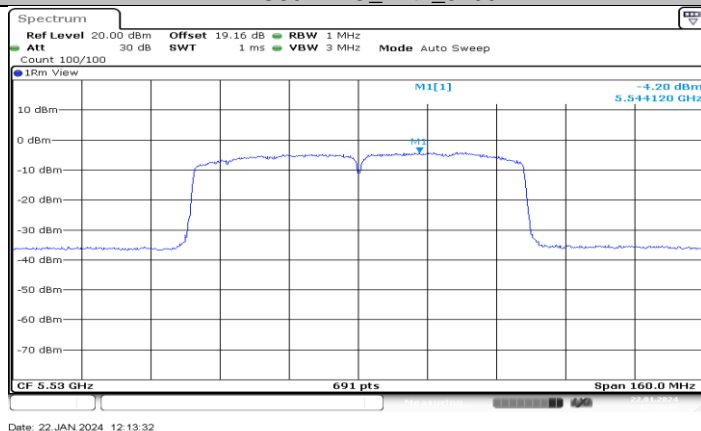




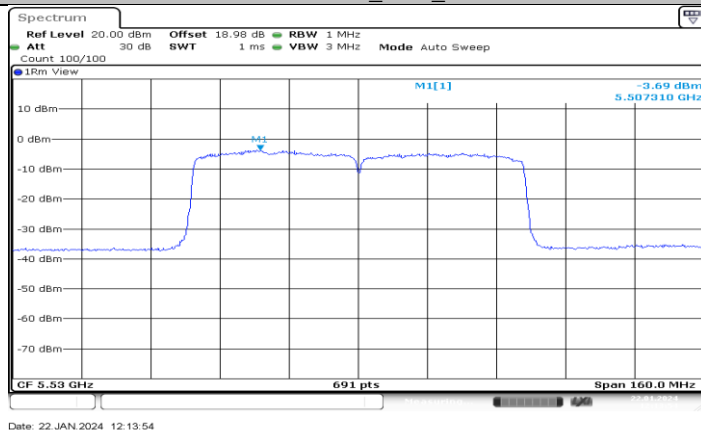
11AC80MIMO\_Ant1\_5290

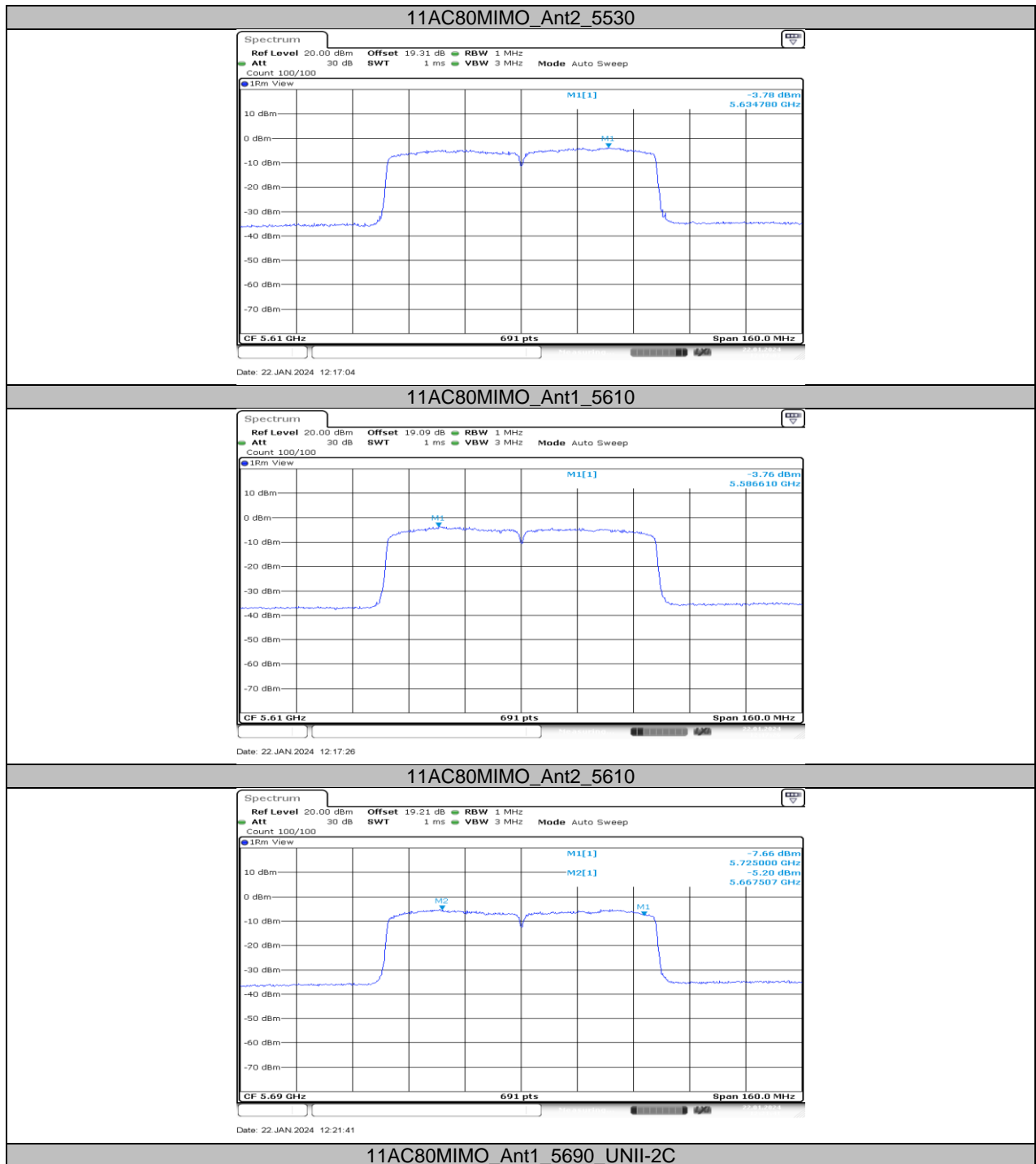


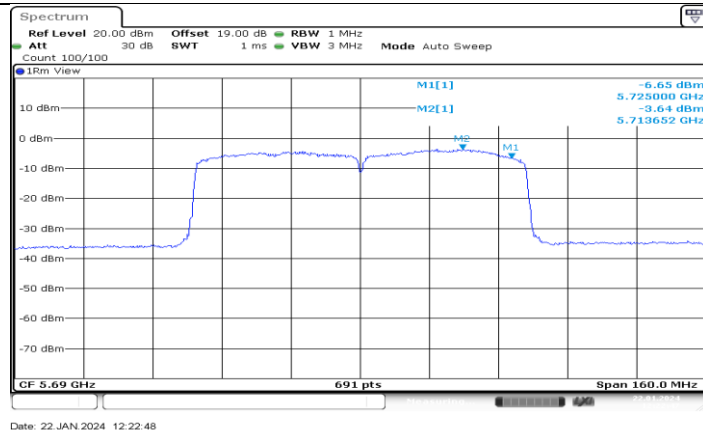
11AC80MIMO\_Ant2\_5290



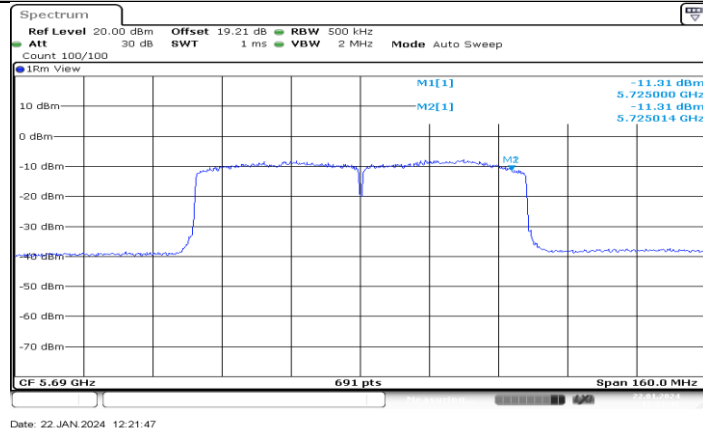
11AC80MIMO\_Ant1\_5530



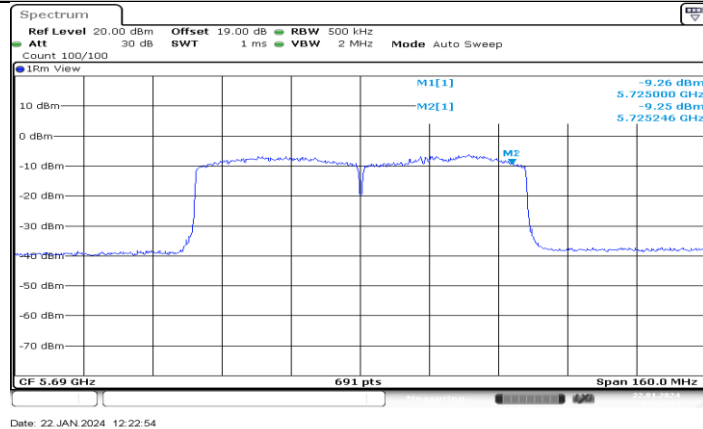




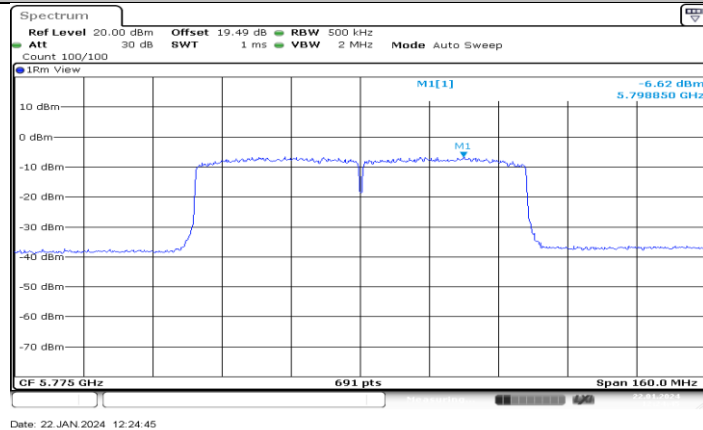
11AC80MIMO\_Ant2\_5690\_UNII-2C

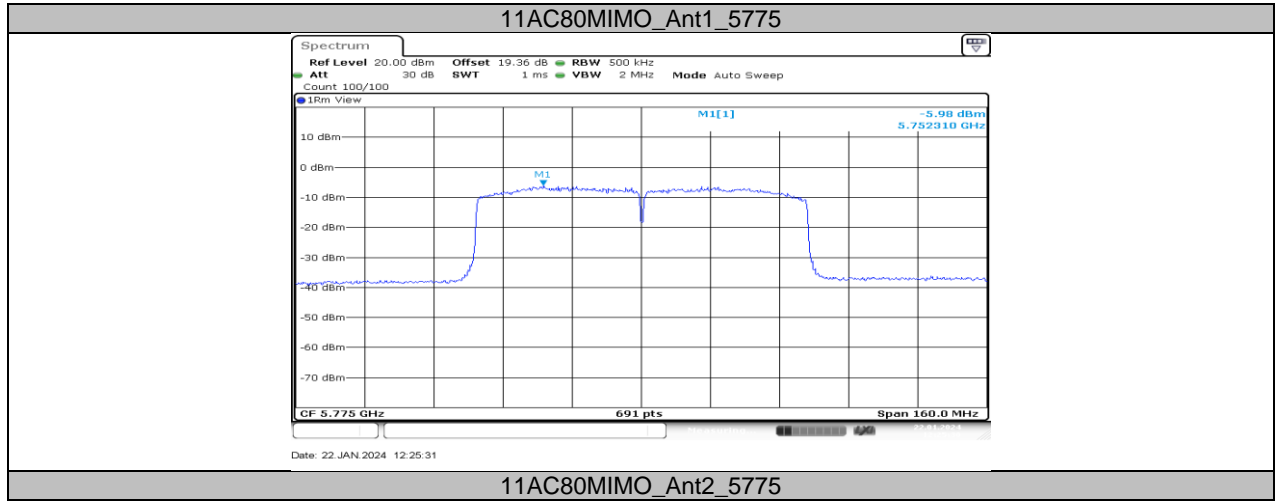


11AC80MIMO\_Ant1\_5690\_UNII-3



11AC80MIMO\_Ant2\_5690\_UNII-3





## 11.6. APPENDIX F: FREQUENCY STABILITY

### 11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a: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	5199.9872	-2.46	5200.0097	1.87	5199.9881	-2.28	5200.0124	2.39
TN	VN	5199.9801	-3.82	5200.0238	4.57	5200.0153	2.94	5200.0094	1.81
TN	VH	5199.9947	-1.02	5200.0031	0.60	5200.0088	1.69	5200.0189	3.63
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	5200.0115	2.20	5199.9751	-4.79	5199.9784	-4.15	5199.9764	-4.53
60	VN	5200.0136	2.61	5200.0206	3.95	5199.9828	-3.30	5200.0202	3.88
50	VN	5199.9812	-3.61	5199.9840	-3.07	5199.9909	-1.75	5200.0201	3.87
40	VN	5200.0019	0.36	5199.9805	-3.76	5199.9898	-1.96	5199.9802	-3.81
30	VN	5200.0189	3.63	5200.0218	4.20	5199.9787	-4.09	5199.9946	-1.04
20	VN	5199.9944	-1.07	5200.0181	3.48	5200.0083	1.59	5200.0037	0.72
10	VN	5200.0096	1.85	5200.0114	2.19	5200.0216	4.16	5199.9930	-1.34
0	VN	5199.9847	-2.94	5200.0069	1.33	5199.9823	-3.41	5200.0094	1.81

**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	1.35	1.85	0.7297	72.97	1.37	0.74	1
11N20MIMO	1.26	1.75	0.7200	72.00	1.43	0.79	1
11N40MIMO	0.63	1.12	0.5625	56.25	2.50	1.59	2
11AC80MIMO	0.31	0.81	0.3827	38.27	4.17	3.23	4

Note:

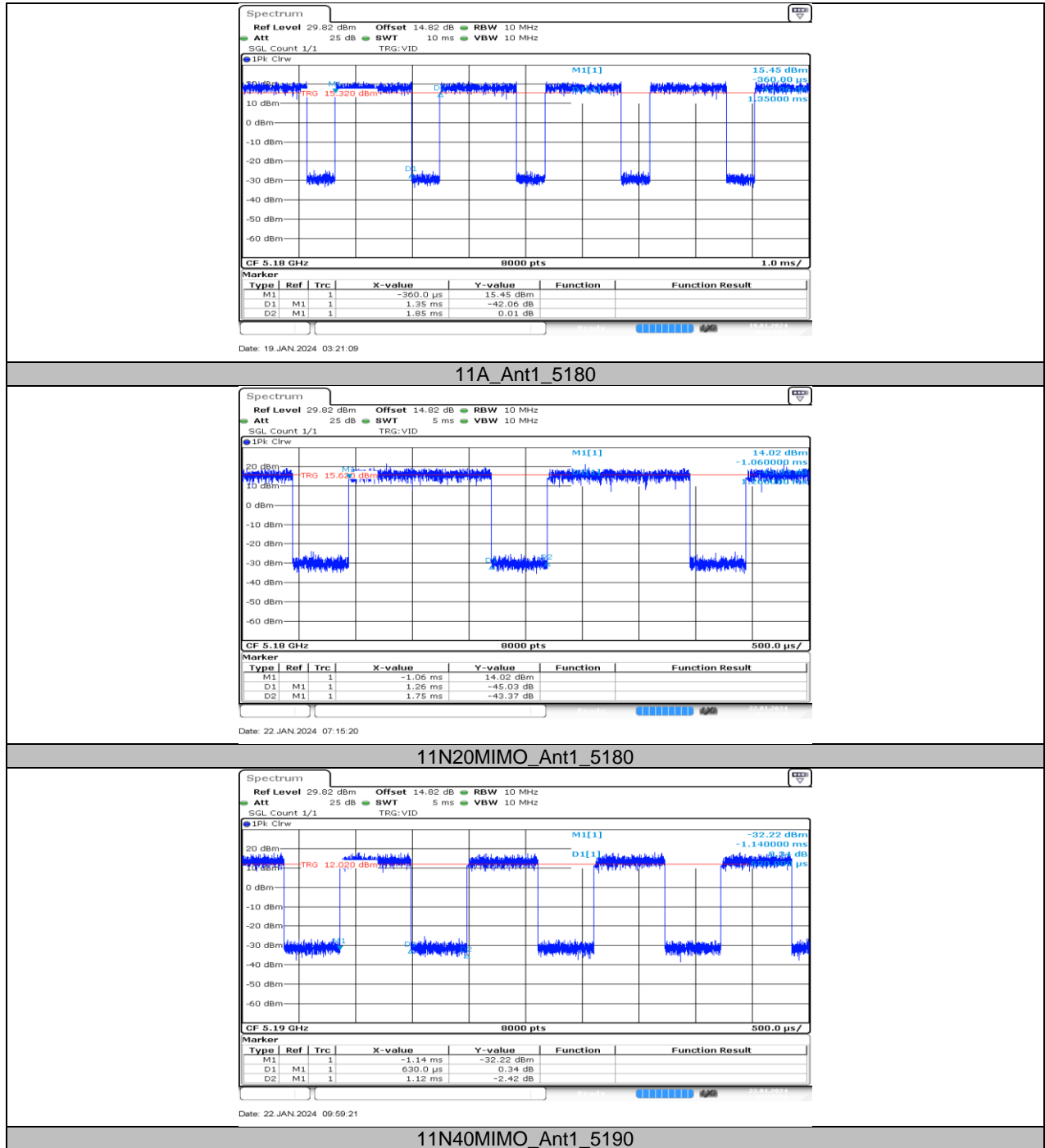
Duty Cycle Correction Factor= $10\log(1/x)$ .

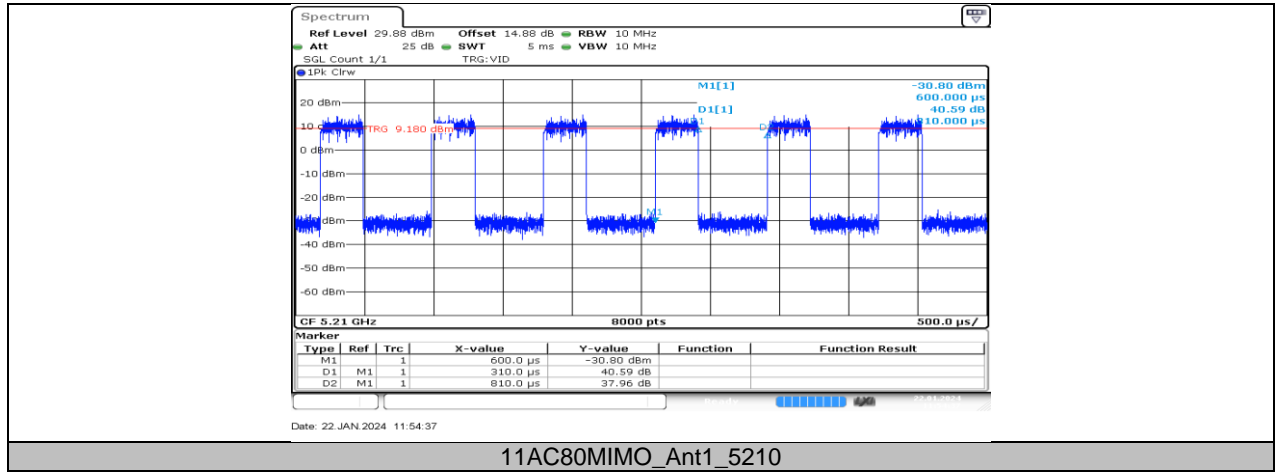
Where: x is Duty Cycle (Linear)

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





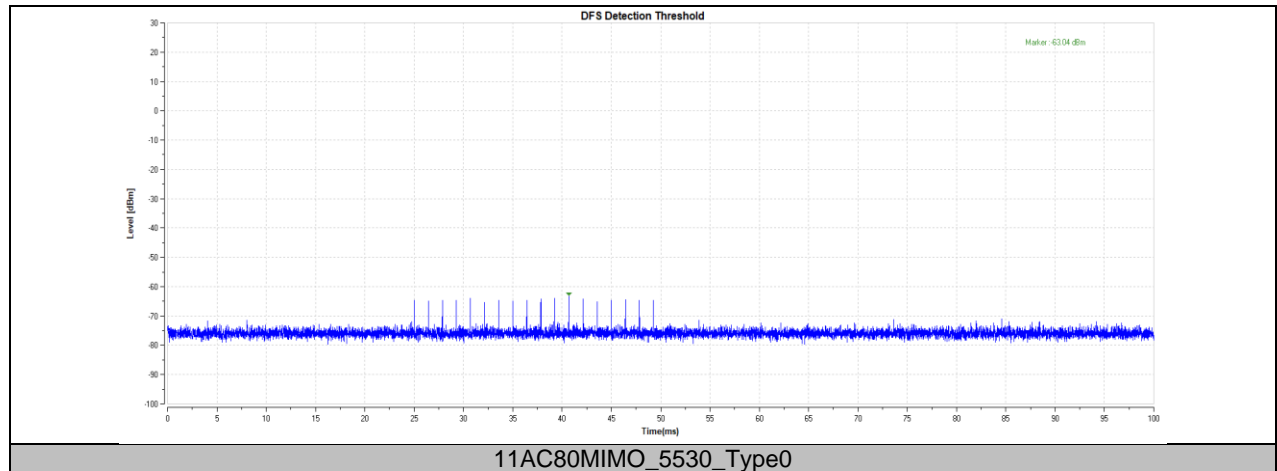


## 11.8. APPENDIX H: DFS DETECTION THRESHOLDS

### 11.8.1. Test Result

Test Mode	Frequency[MHz]	Radar Type	Result	Limit[dbm]	Verdict
11AC80MIMO	5530	Type0	-63.04	-62.00	PASS

## 11.8.2. Test Graphs

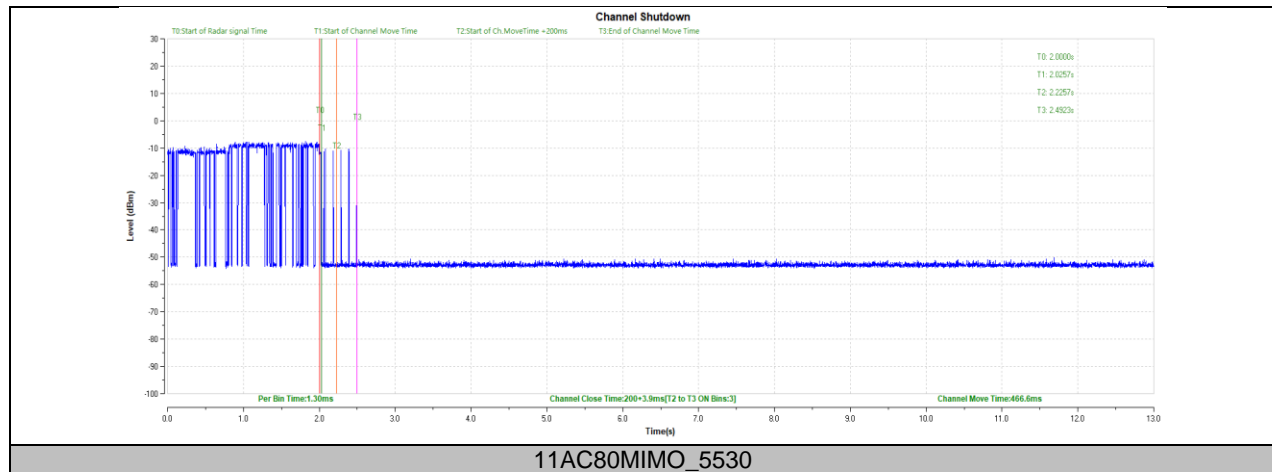


## 11.9. APPENDIX I: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

### 11.9.1. Test Result

Test Mode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5530	200+3.9	200+60	466.6	10000	PASS

## 11.9.2. Test Graphs

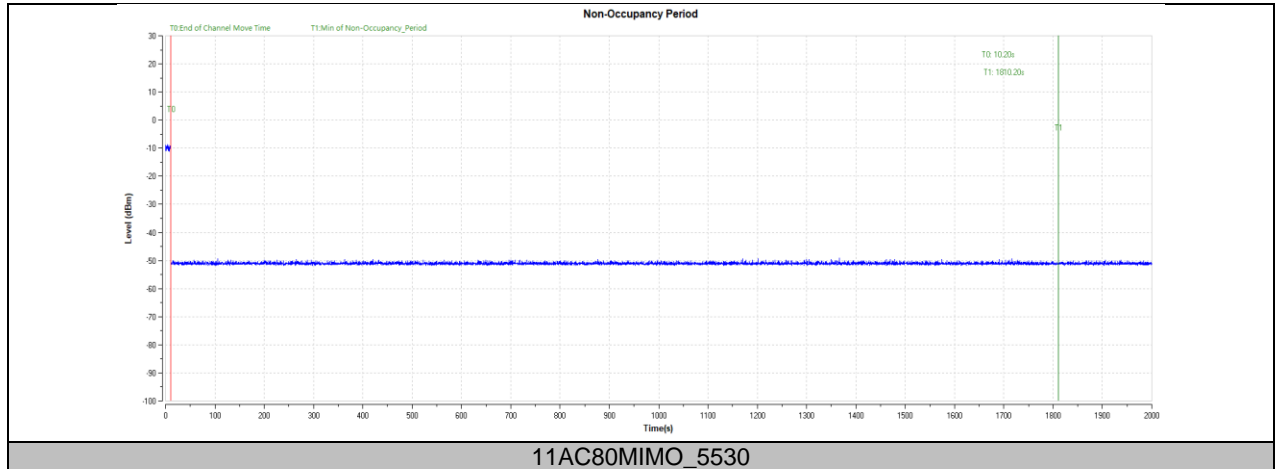


## 11.10. APPENDIX J: NON-OCCUPANCY PERIOD

### Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80MIMO	5530	see test graph	≥1800	PASS

### 11.10.1. Test Graphs



**END OF REPORT**