

10.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

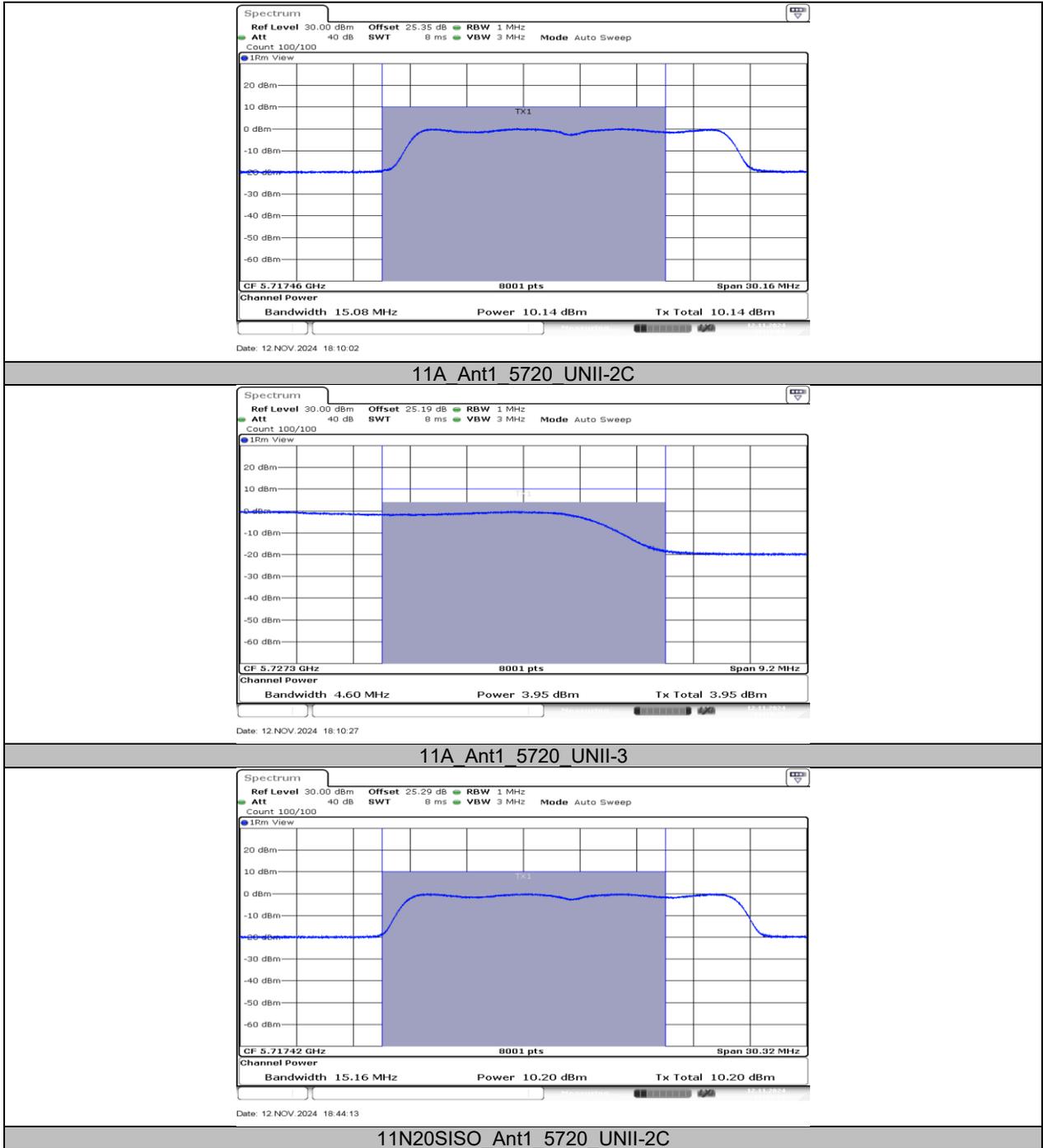
10.4.1. Test Result

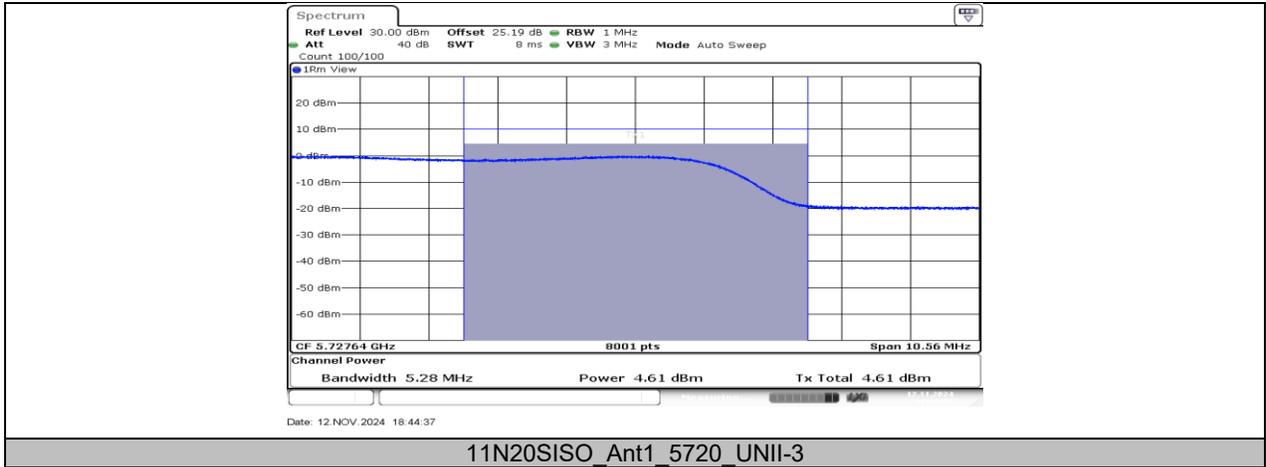
Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.40	≤21.40	---	20.00	≤22.36	PASS
		5200	11.68	≤21.40	---	20.28	≤22.37	PASS
		5240	11.27	≤21.40	---	19.87	≤22.38	PASS
		5260	11.30	≤21.40	≤23.36	19.90	≤29.36	PASS
		5280	11.62	≤21.40	≤23.37	20.22	≤29.37	PASS
		5320	11.85	≤21.40	≤23.37	20.45	≤29.37	PASS
		5500	11.02	≤21.40	≤23.38	19.62	≤29.38	PASS
		5580	11.17	≤21.40	≤23.38	19.77	≤29.38	PASS
		5700	11.13	≤21.40	≤23.38	19.73	≤29.38	PASS
		5720 UNII-2C	10.14	≤21.40	≤22.35	18.74	≤28.35	PASS
		5720 UNII-3	3.95	≤27.40	≤30.00	12.55	---	PASS
		5745	11.66	≤27.40	≤30.00	20.26	---	PASS
		5785	11.55	≤27.40	≤30.00	20.15	---	PASS
		5825	10.96	≤27.40	≤30.00	19.56	---	PASS
11N20SISO	Ant1	5180	11.64	≤21.40	---	20.24	≤22.56	PASS
		5200	11.92	≤21.40	---	20.52	≤22.57	PASS
		5240	11.51	≤21.40	---	20.11	≤22.56	PASS
		5260	11.49	≤21.40	≤23.57	20.09	≤29.57	PASS
		5280	11.81	≤21.40	≤23.58	20.41	≤29.58	PASS
		5320	12.04	≤21.40	≤23.57	20.64	≤29.57	PASS
		5500	11.21	≤21.40	≤23.57	19.81	≤29.57	PASS
		5580	11.38	≤21.40	≤23.57	19.98	≤29.57	PASS
		5700	11.31	≤21.40	≤23.57	19.91	≤29.57	PASS
		5720 UNII-2C	10.20	≤21.40	≤22.46	18.80	≤28.46	PASS
		5720 UNII-3	4.61	≤27.40	≤30.00	13.21	---	PASS
		5745	11.84	≤27.40	≤30.00	20.44	---	PASS
		5785	11.75	≤27.40	≤30.00	20.35	---	PASS
		5825	11.14	≤27.40	≤30.00	19.74	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

10.4.2. Test Graphs





10.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

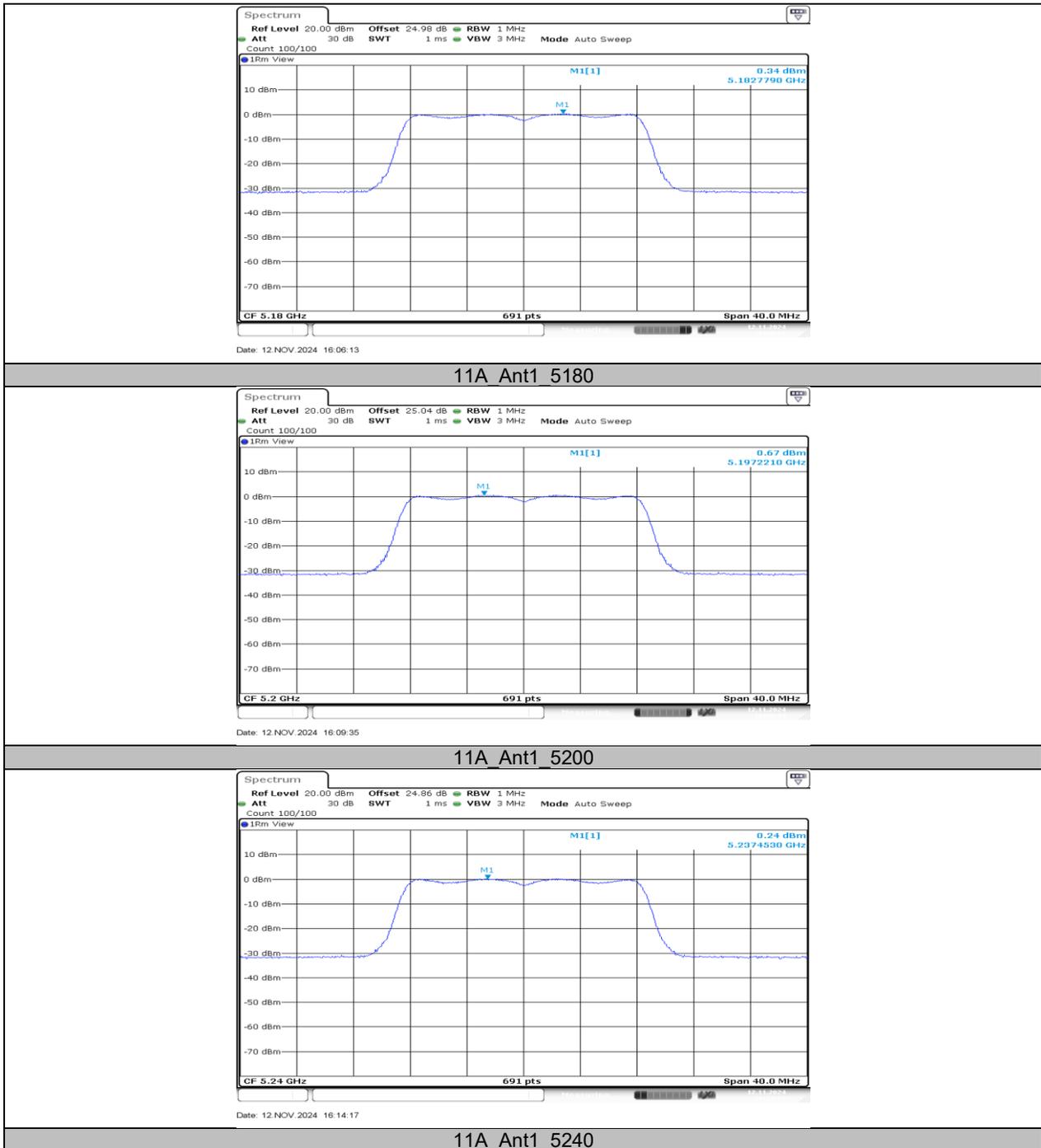
10.5.1. Test Result

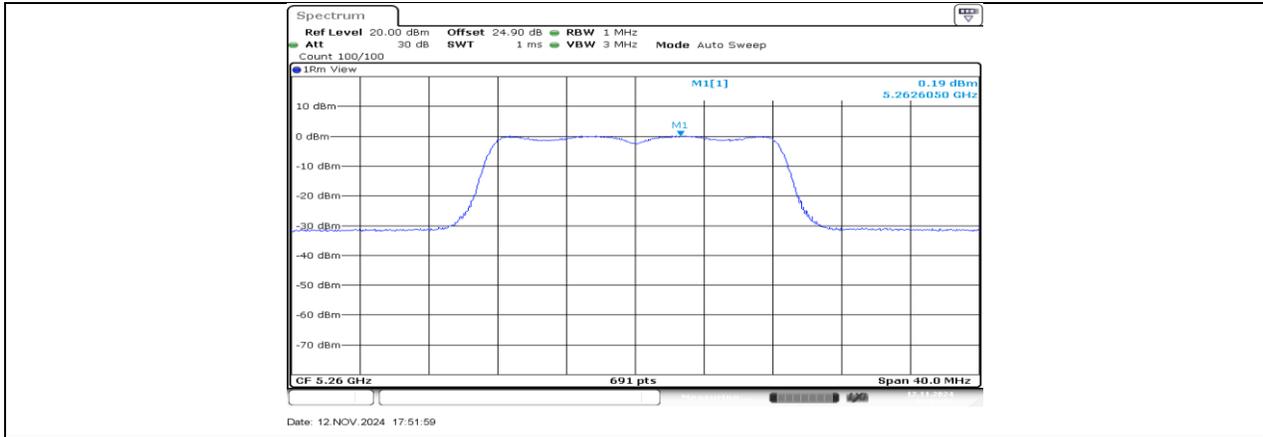
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	0.34	≤8.40	8.94	≤10.00	PASS
		5200	0.67	≤8.40	9.27	≤10.00	PASS
		5240	0.24	≤8.40	8.84	≤10.00	PASS
		5260	0.19	≤8.40	0.19	---	PASS
		5280	0.56	≤8.40	0.56	---	PASS
		5320	0.99	≤8.40	0.99	---	PASS
		5500	0.02	≤8.40	0.02	---	PASS
		5580	0.03	≤8.40	0.03	---	PASS
		5700	0.09	≤8.40	0.09	---	PASS
		5720 UNII-2C	0.06	≤8.40	0.06	---	PASS
		5720 UNII-3	-3.07	≤27.40	-3.07	---	PASS
		5745	-2.19	≤27.40	-2.19	---	PASS
		5785	-2.37	≤27.40	-2.37	---	PASS
		5825	-2.89	≤27.40	-2.89	---	PASS
11N20SISO	Ant1	5180	0.41	≤8.40	9.01	≤10.00	PASS
		5200	0.52	≤8.40	9.12	≤10.00	PASS
		5240	0.31	≤8.40	8.91	≤10.00	PASS
		5260	0.14	≤8.40	0.14	---	PASS
		5280	0.49	≤8.40	0.49	---	PASS
		5320	0.72	≤8.40	0.72	---	PASS
		5500	0.00	≤8.40	0.00	---	PASS
		5580	0.05	≤8.40	0.05	---	PASS
		5700	-0.03	≤8.40	-0.03	---	PASS
		5720 UNII-2C	-0.04	≤8.40	-0.04	---	PASS
		5720 UNII-3	-3.08	≤27.40	-3.08	---	PASS
		5745	-2.28	≤27.40	-2.28	---	PASS
		5785	-2.36	≤27.40	-2.36	---	PASS
		5825	-2.97	≤27.40	-2.97	---	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

10.5.2. Test Graphs

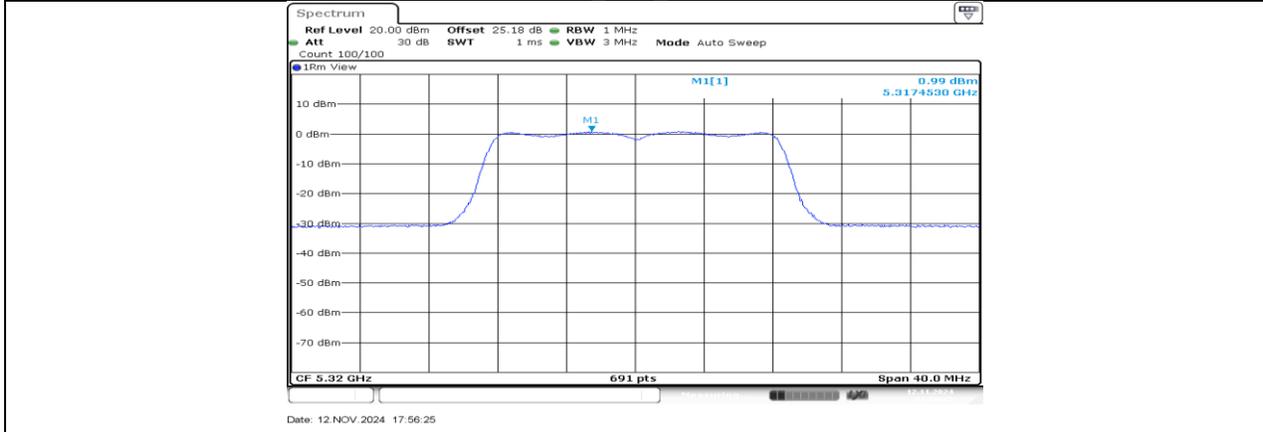




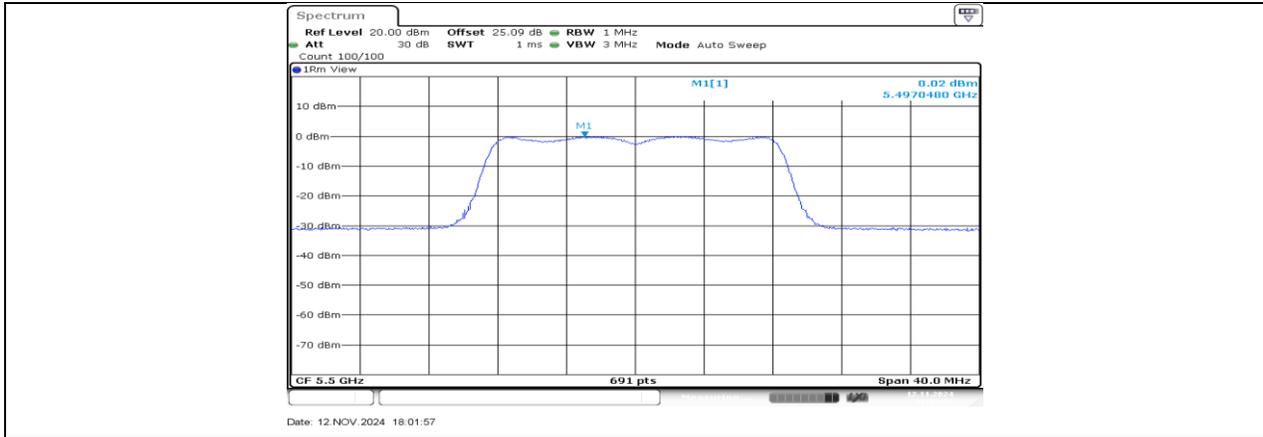
11A_Ant1_5260



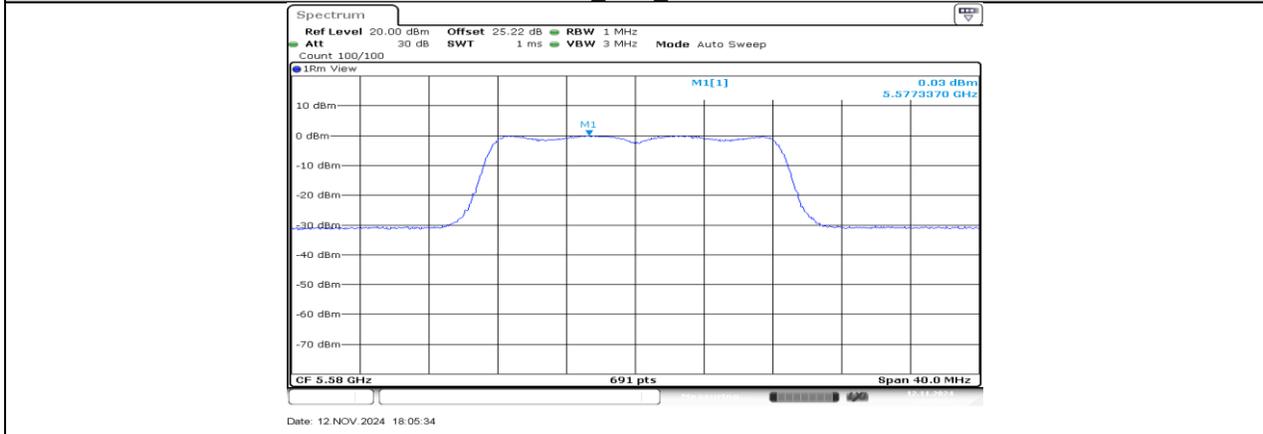
11A_Ant1_5280



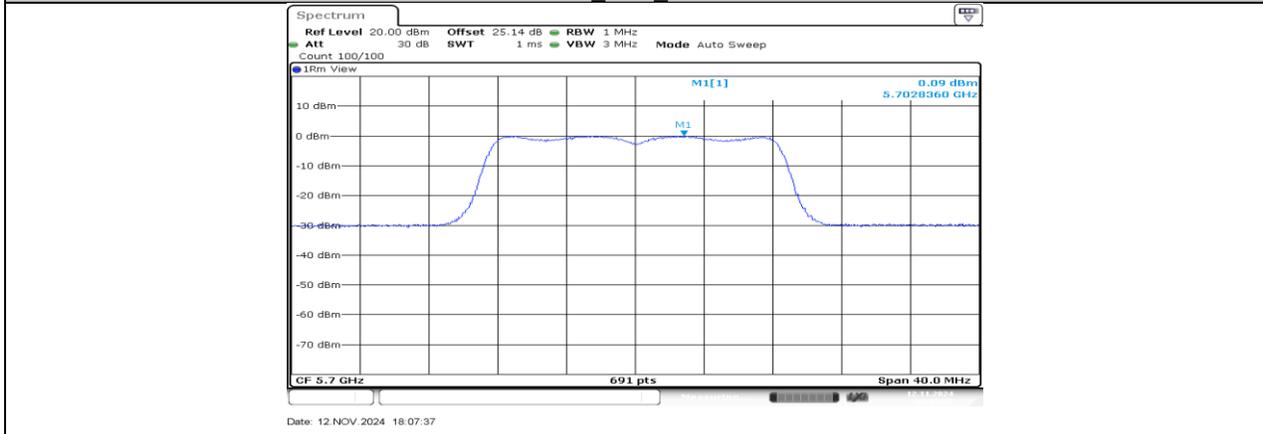
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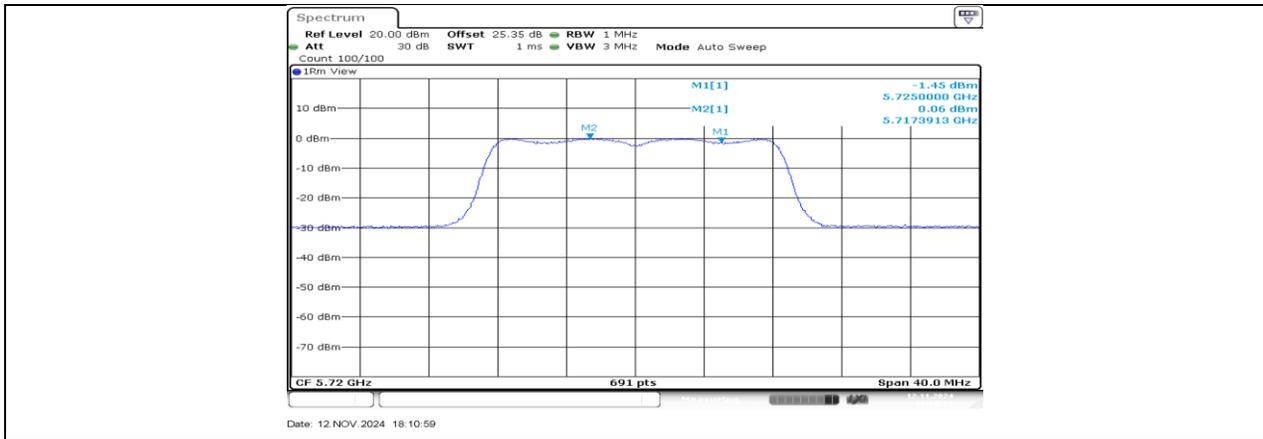
11A_Ant1_5500

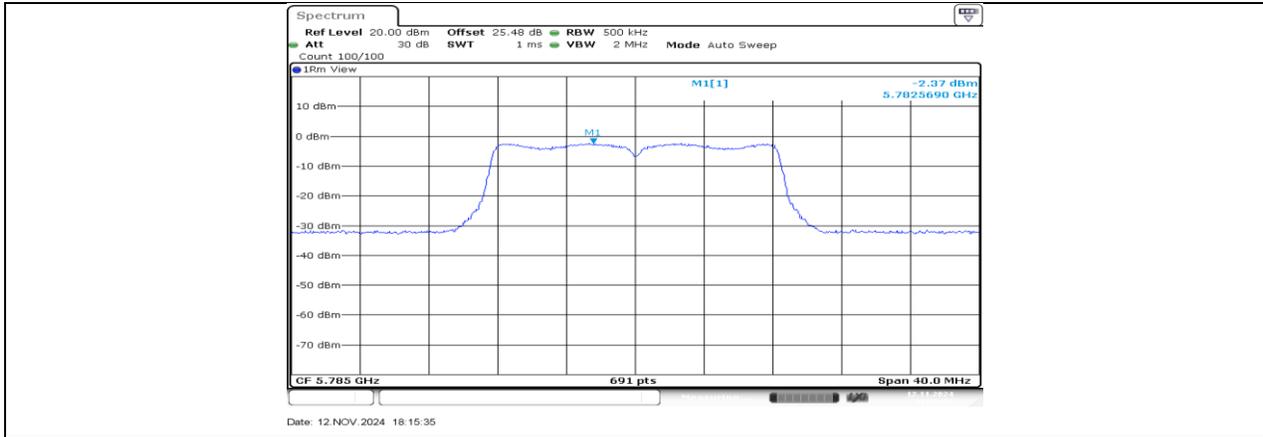


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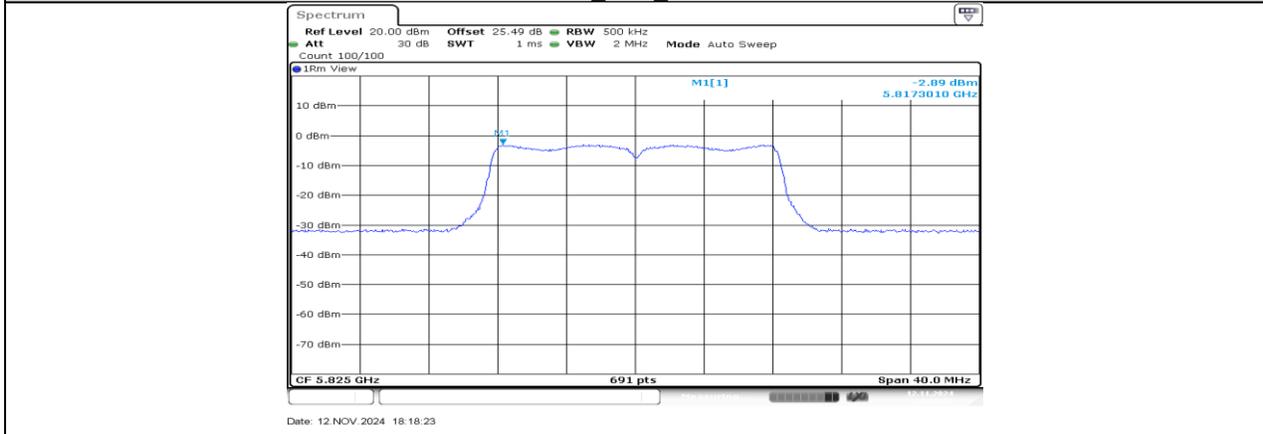


11A_Ant1_5700

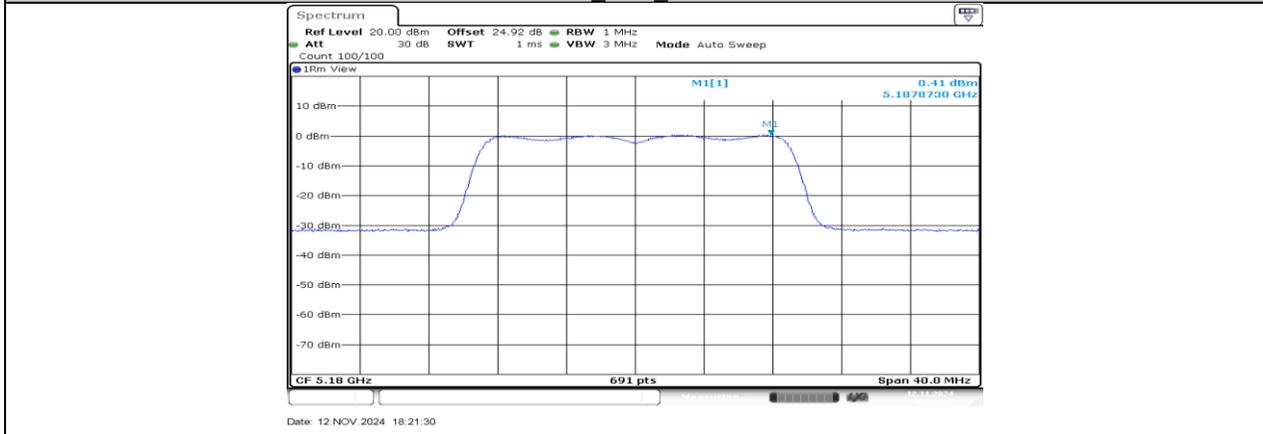




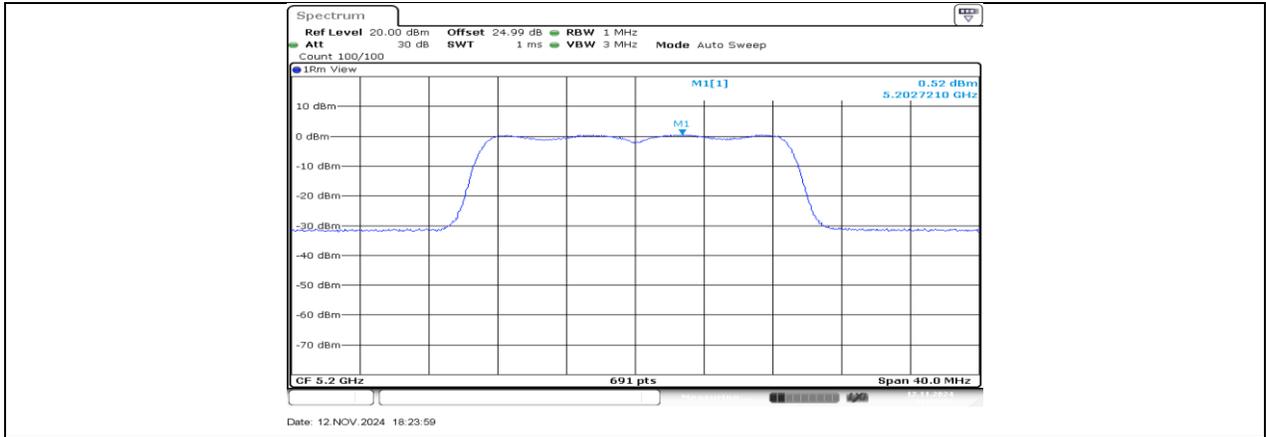
11A_Ant1_5785



11A_Ant1_5825



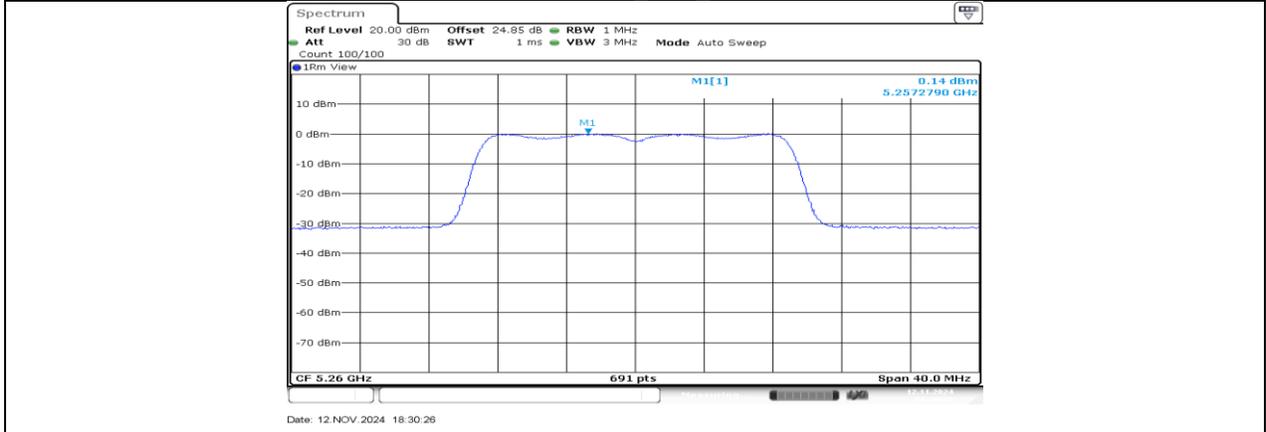
11N20SISO_Ant1_5180



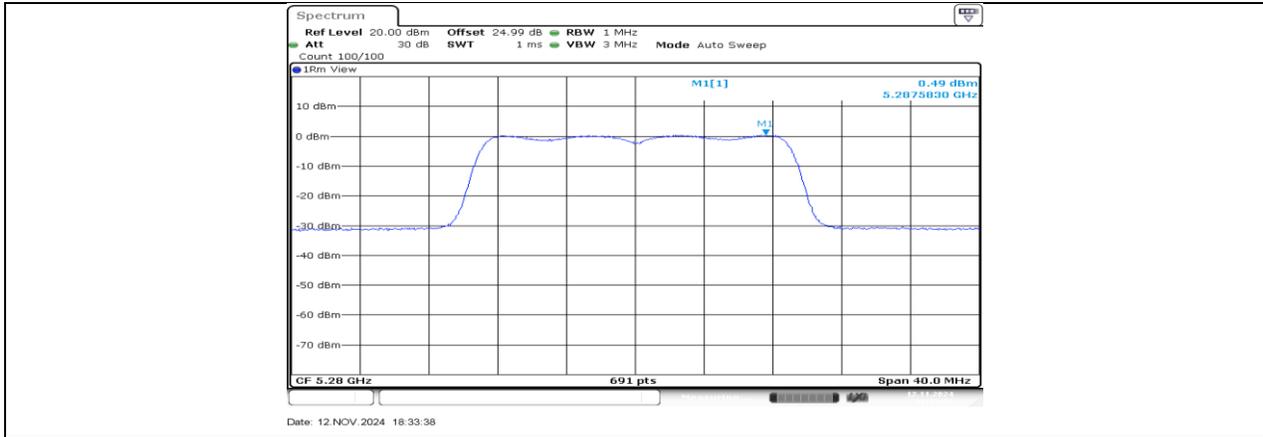
11N20SISO_Ant1_5200



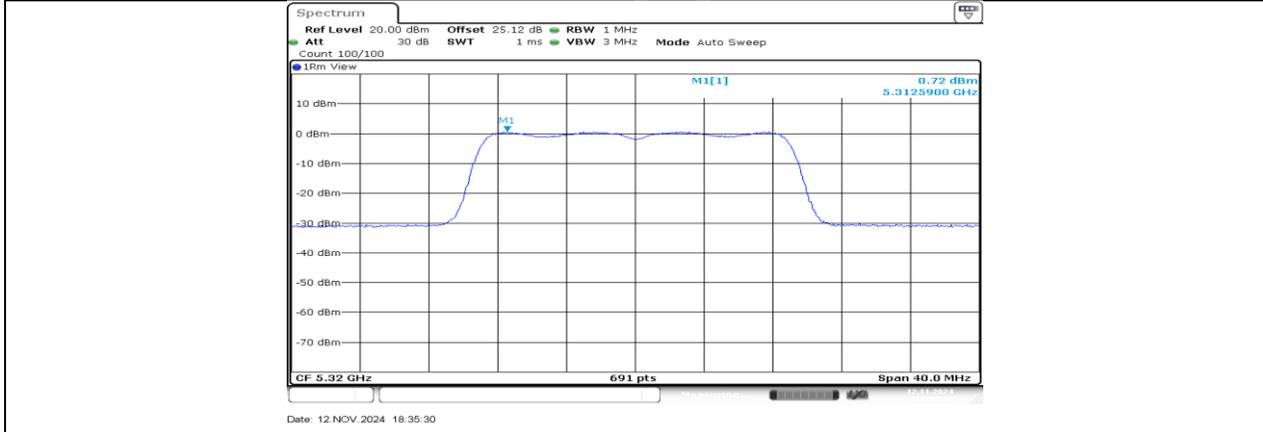
11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



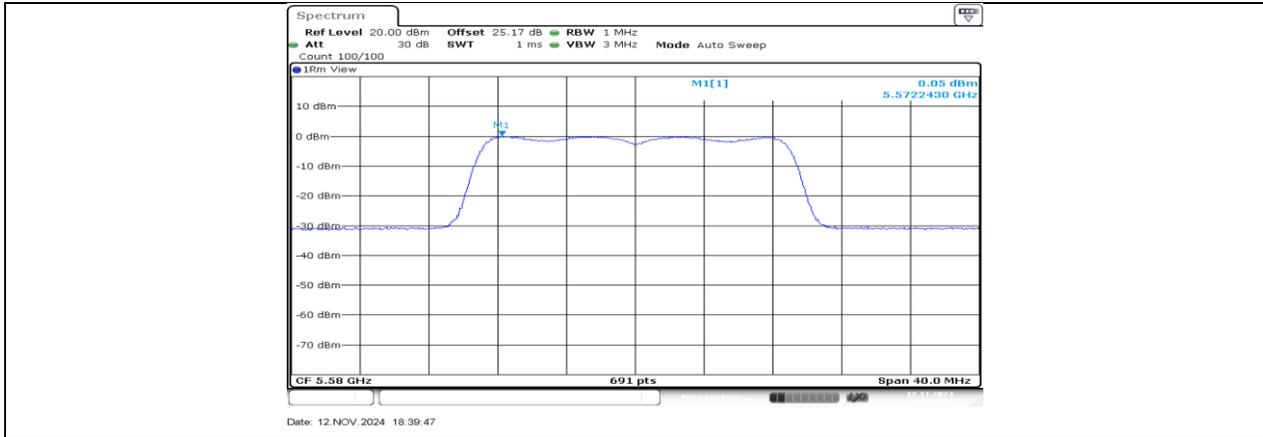
11N20SISO_Ant1_5280



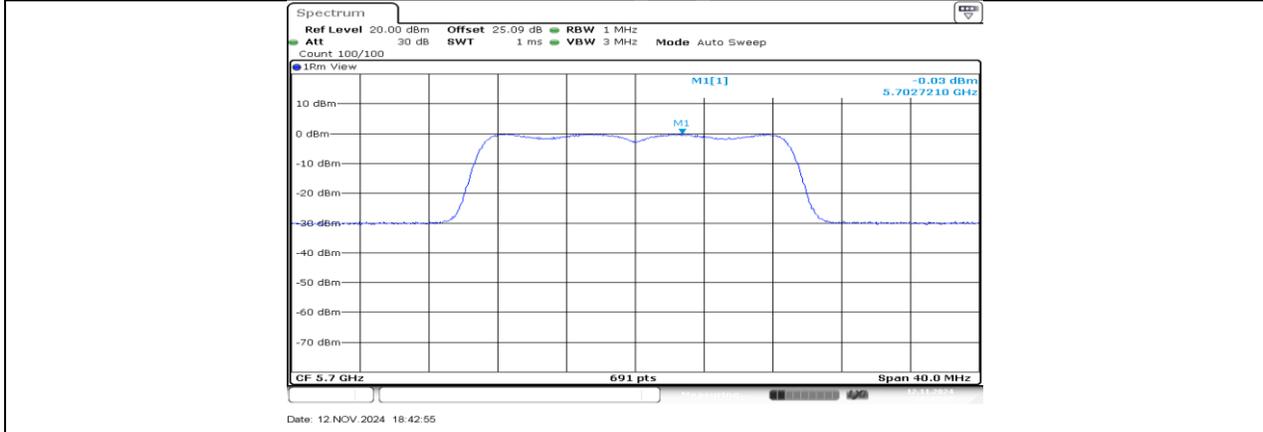
11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



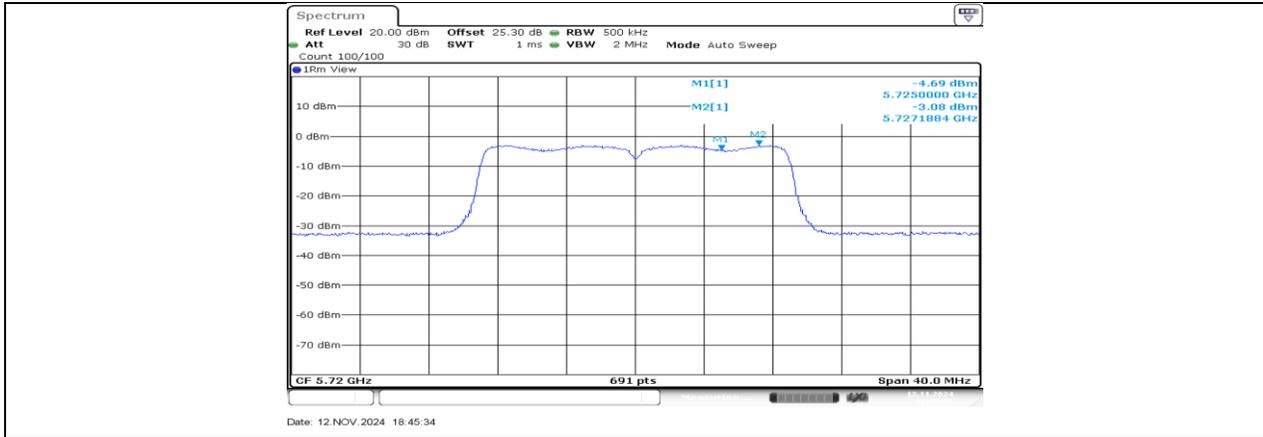
11N20SISO Ant1_5580



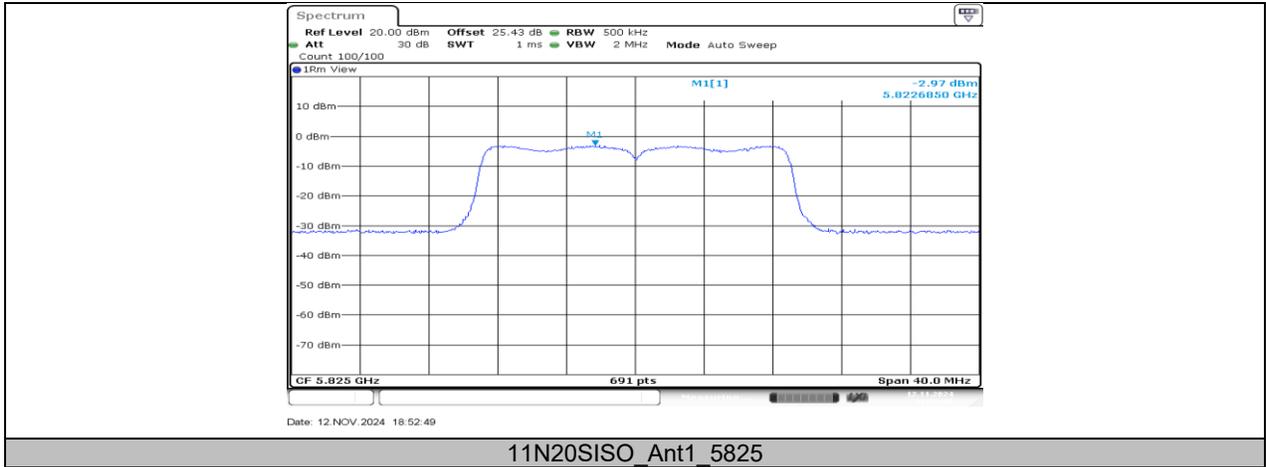
11N20SISO Ant1_5700



11N20SISO Ant1_5720_UNII-2C



11N20SISO Ant1_5785



10.6. APPENDIX F: FREQUENCY STABILITY

10.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
TN	VL	5199.9993	-0.14	5200.0055	1.05	5200.0163	3.14	5200.0003	0.06
TN	VN	5200.0169	3.26	5199.9782	-4.19	5200.0139	2.67	5200.0145	2.80
TN	VH	5199.9897	-1.98	5200.0074	1.41	5199.9908	-1.76	5199.9827	-3.32

Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
60	VN	5200.0012	0.24	5200.0143	2.74	5199.9835	-3.18	5200.0104	1.99
50	VN	5199.9971	-0.56	5200.0158	3.03	5199.9780	-4.23	5199.9869	-2.51
40	VN	5200.0169	3.26	5199.9762	-4.58	5200.0083	1.60	5199.9806	-3.73
30	VN	5200.0140	2.69	5199.9768	-4.46	5199.9898	-1.96	5199.9879	-2.33
20	VN	5199.9958	-0.80	5200.0046	0.89	5199.9880	-2.31	5200.0083	1.60
10	VN	5199.9881	-2.30	5199.9877	-2.37	5200.0139	2.66	5200.0191	3.67
0	VN	5199.9785	-4.14	5199.9762	-4.58	5200.0170	3.28	5200.0126	2.42
-10	VN	5199.9929	-1.36	5200.0115	2.20	5200.0028	0.54	5199.9836	-3.16
-20	VN	5199.9844	-3.01	5200.0187	3.61	5199.9895	-2.02	5199.9772	-4.38
-30	VN	5200.0138	2.66	5200.0229	4.41	5200.0020	0.39	5199.9961	-0.75

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.

10.7. APPENDIX G: DUTY CYCLE

10.7.1. 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	3.09	3.20	0.9656	96.56	0.15	0.32	1
11N20SISO	4.75	4.85	0.9794	97.94	0.09	0.21	1

Note:

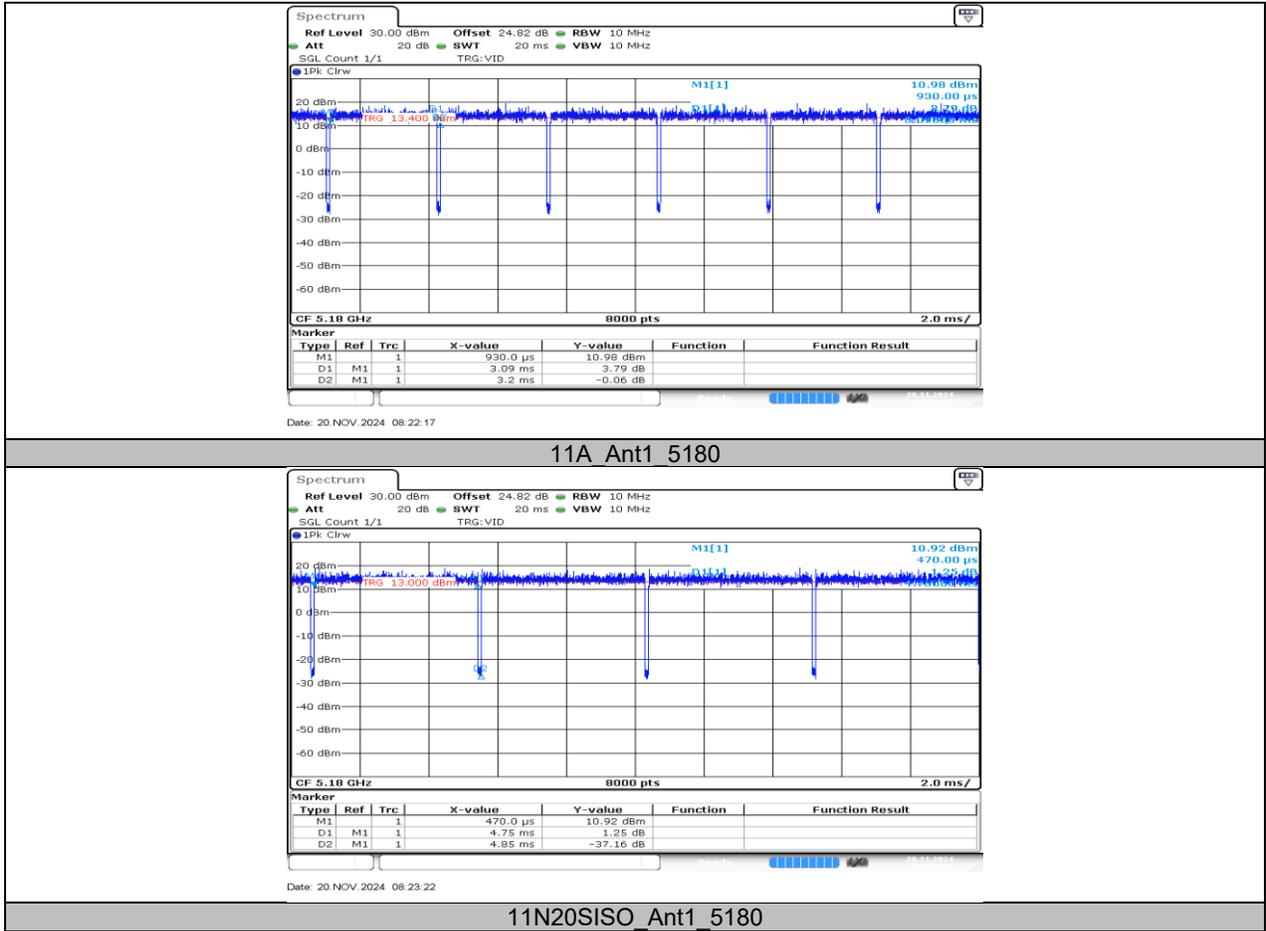
Duty Cycle Correction Factor=10log (1/x).

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.

10.7.2. Test Graphs

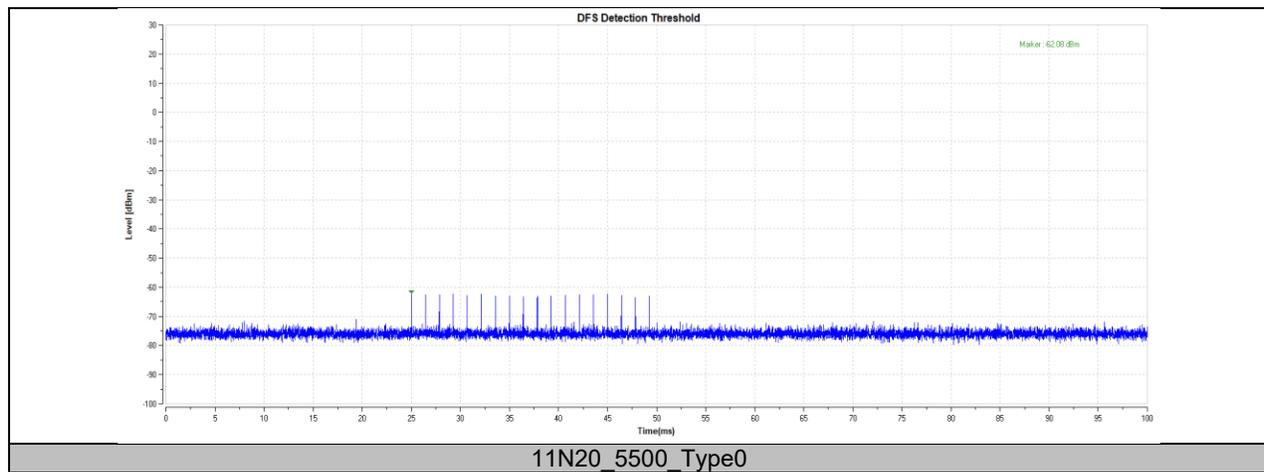


10.8. APPENDIX H: DFS DETECTION THRESHOLDS

10.8.1. Test Result

Test Mode	Frequency[MHz]	Radar Type	Result	Verdict
11N20	5500	Type0	-62.08	PASS

10.8.2. Test Graphs

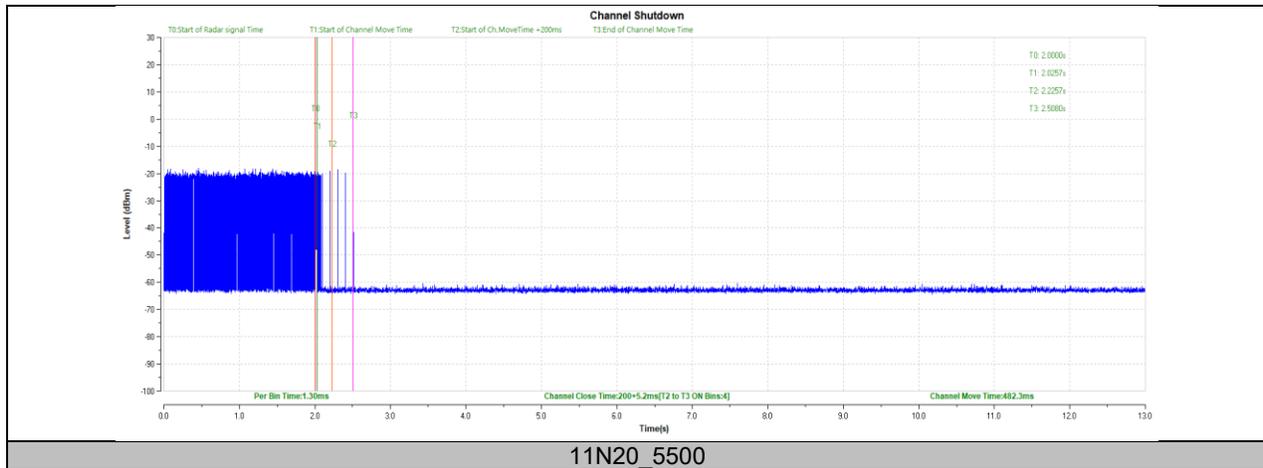


10.9. APPENDIX I: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

10.9.1. Test Result

Test Mode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11N20	5500	200+5.2	200+60	482.3	10000	PASS

10.9.2. Test Graphs

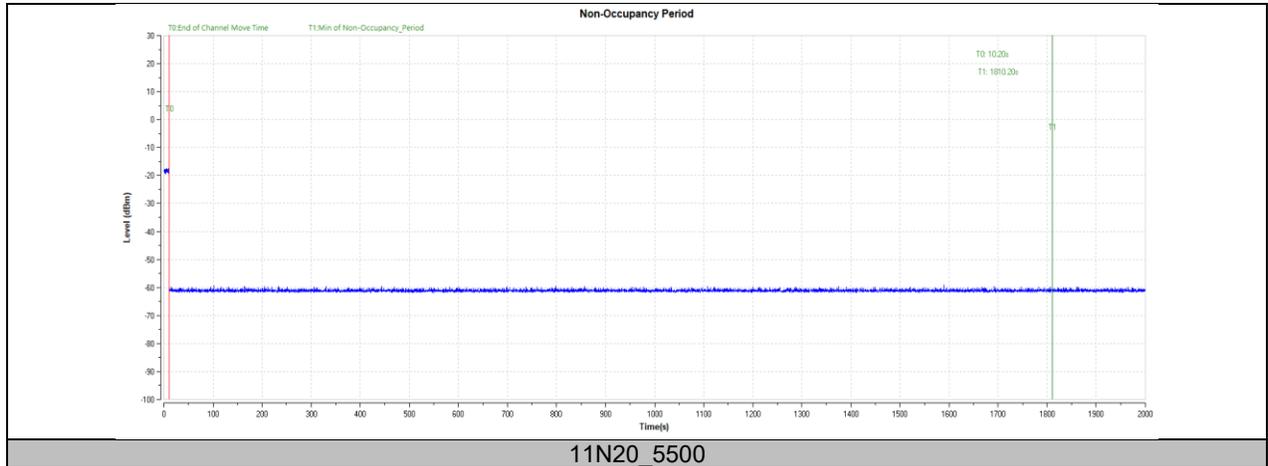


10.10. APPENDIX J: NON-OCCUPANCY PERIOD

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11N20	5500	see test graph	≥1800	PASS

10.10.1. Test Graphs



END OF REPORT