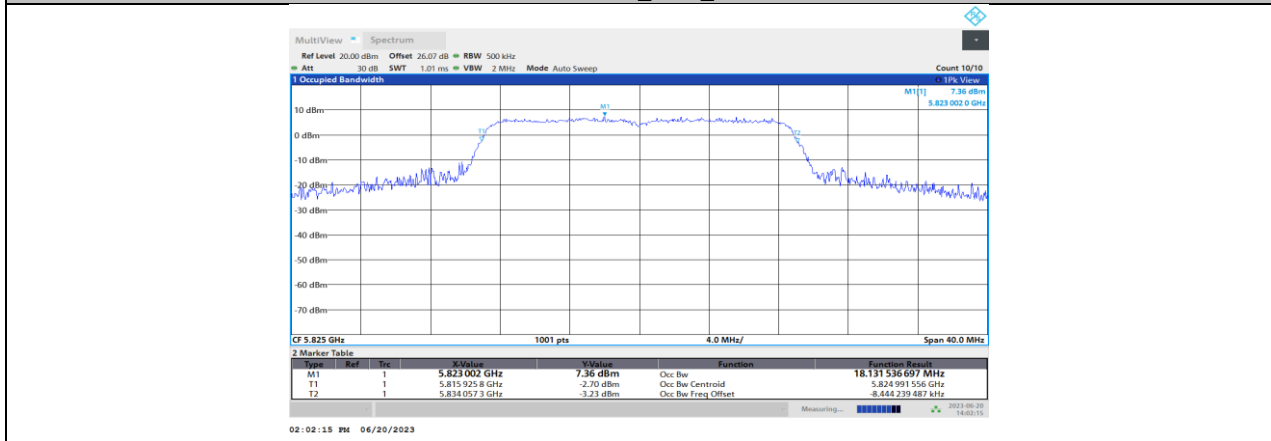
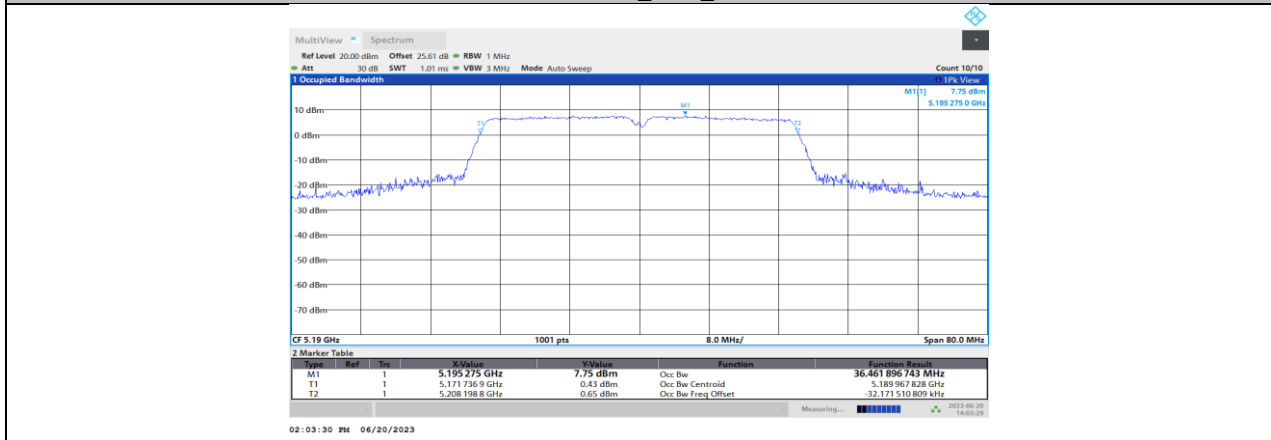


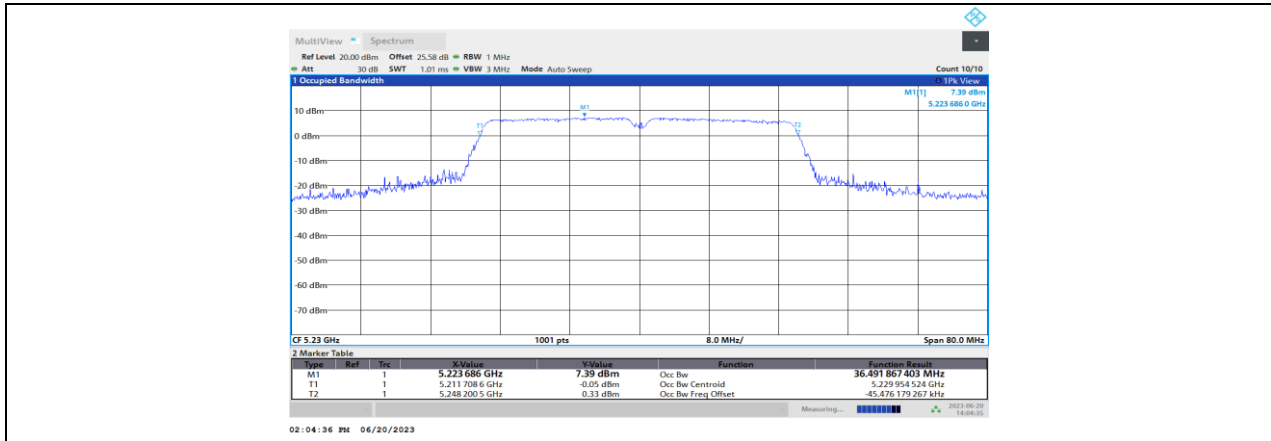
11N20SISO_Ant1_5785



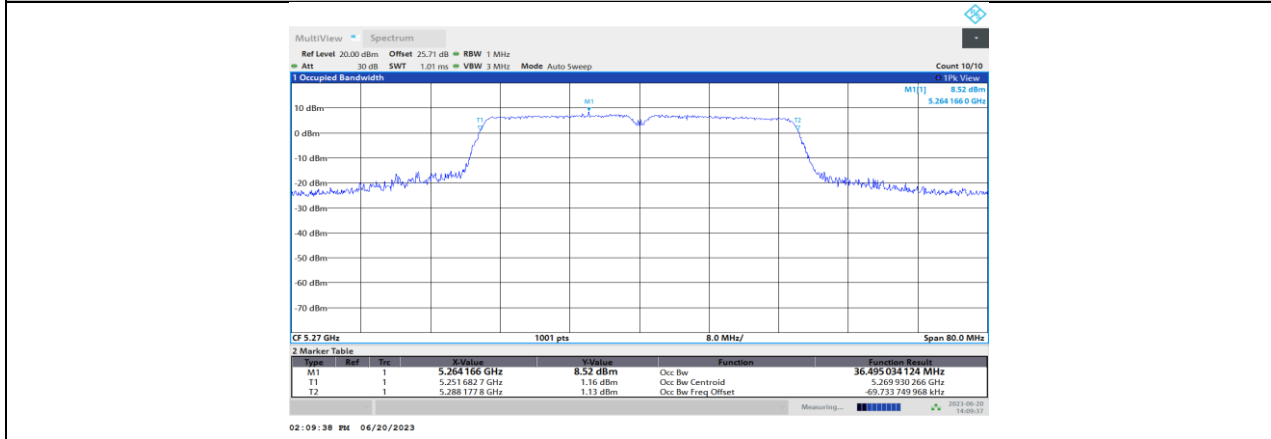
11N20SISO_Ant1_5825



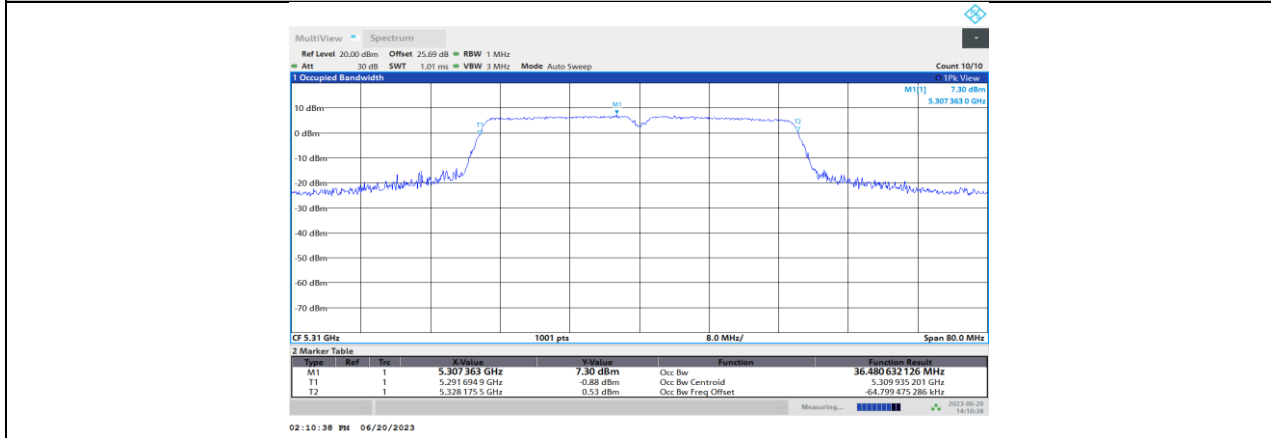
11N40SISO_Ant1_5190



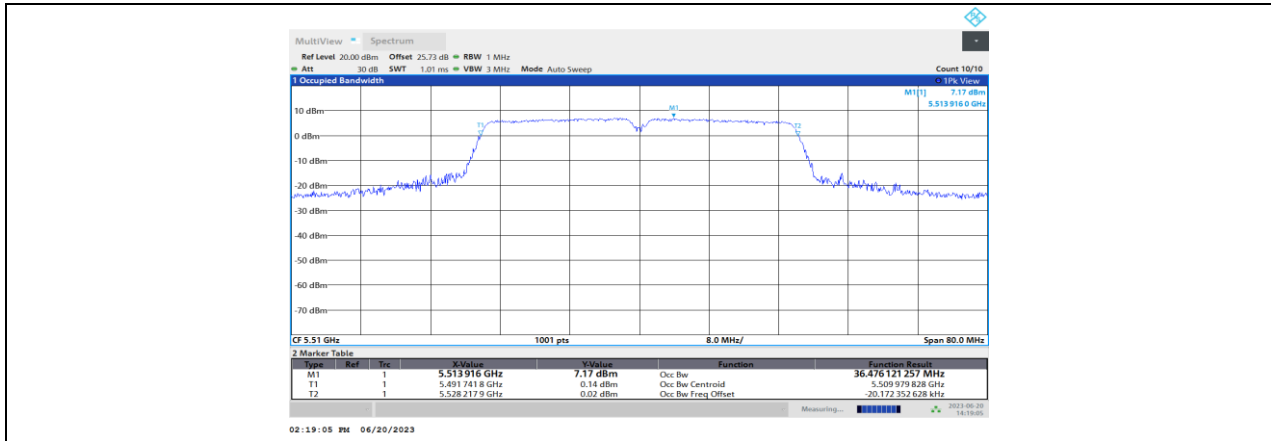
11N40SISO_Ant1_5230



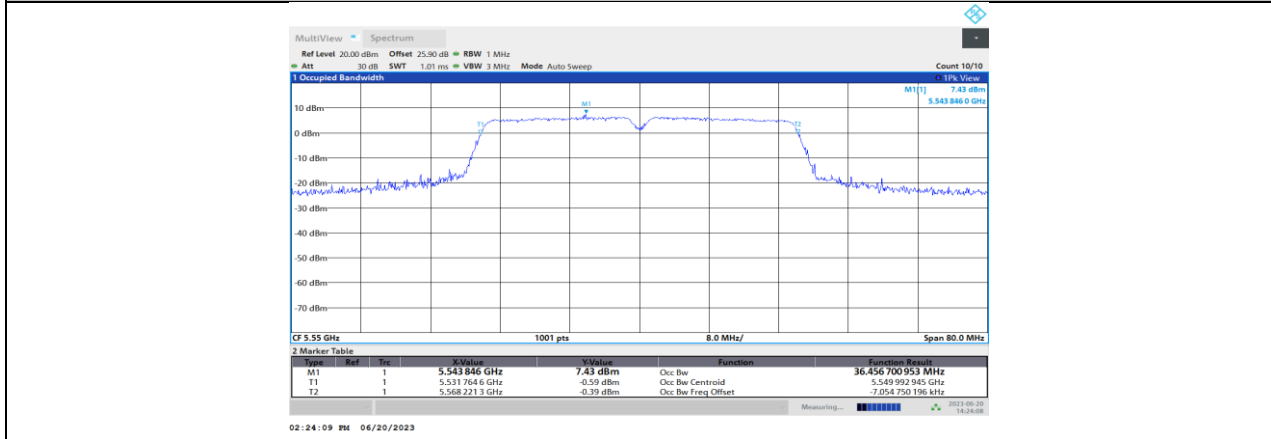
11N40SISO_Ant1_5270



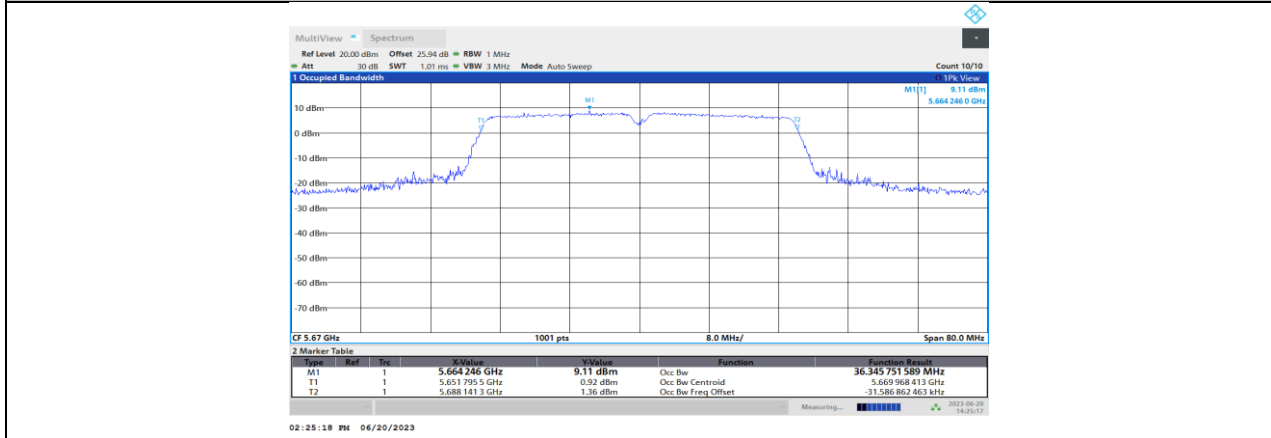
11N40SISO_Ant1_5310



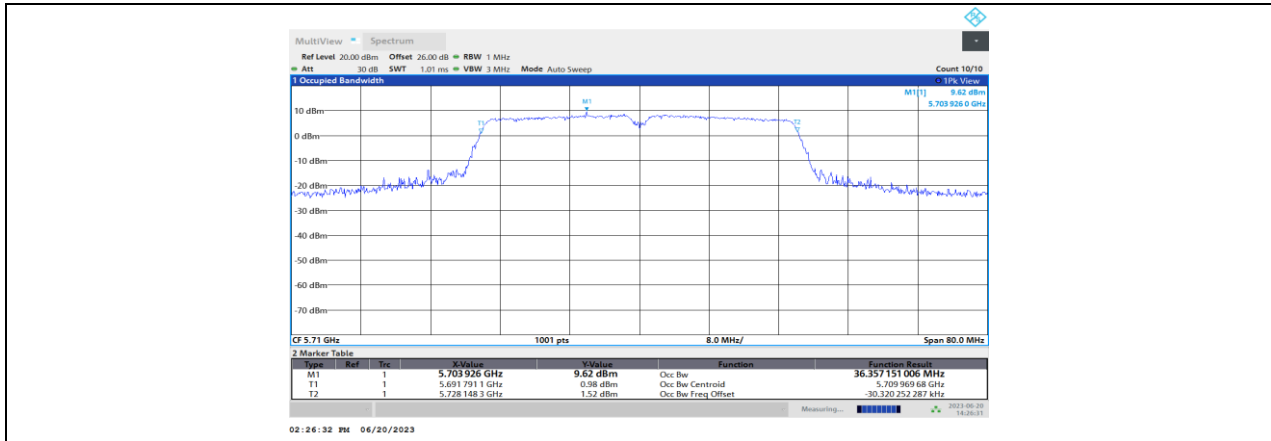
11N40SISO_Ant1_5510



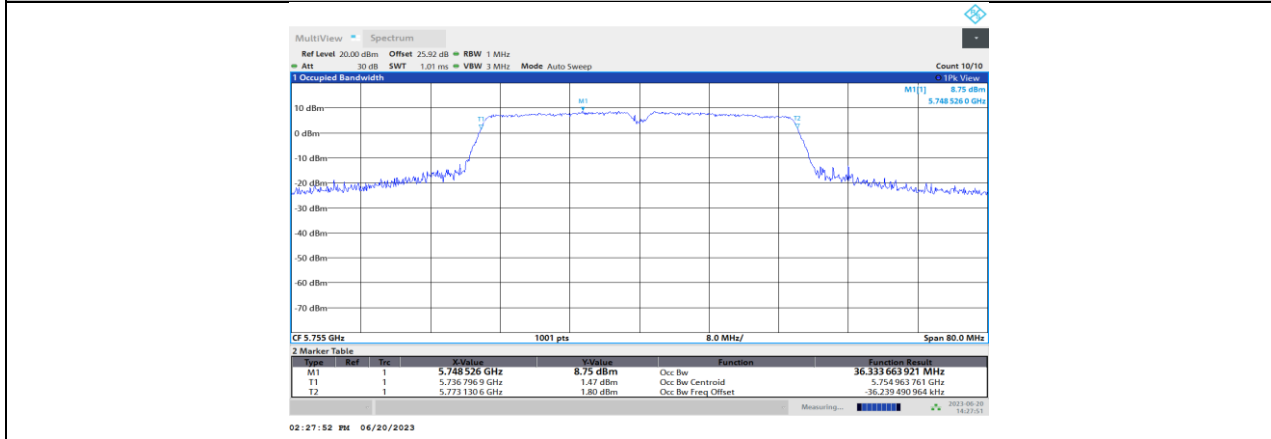
11N40SISO_Ant1_5550



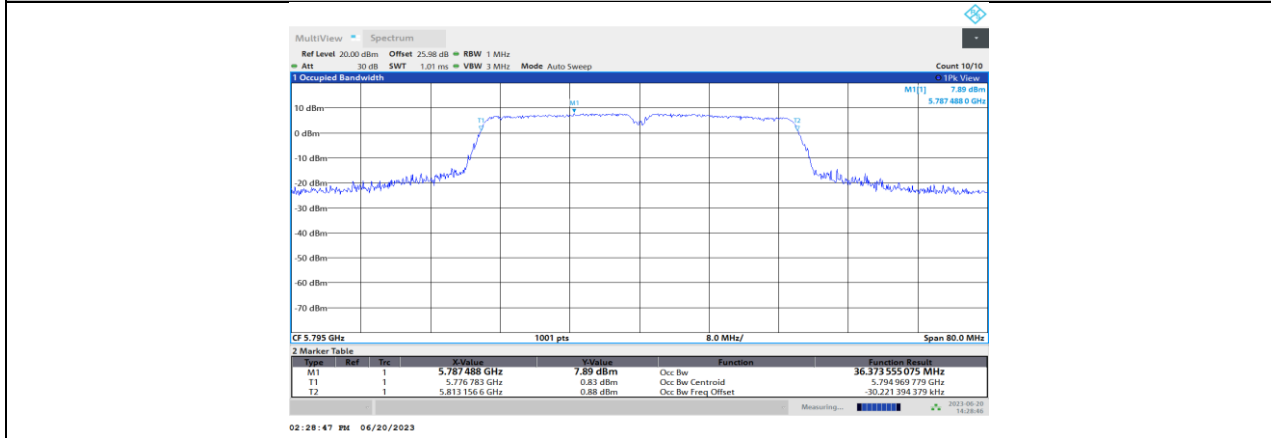
11N40SISO_Ant1_5670



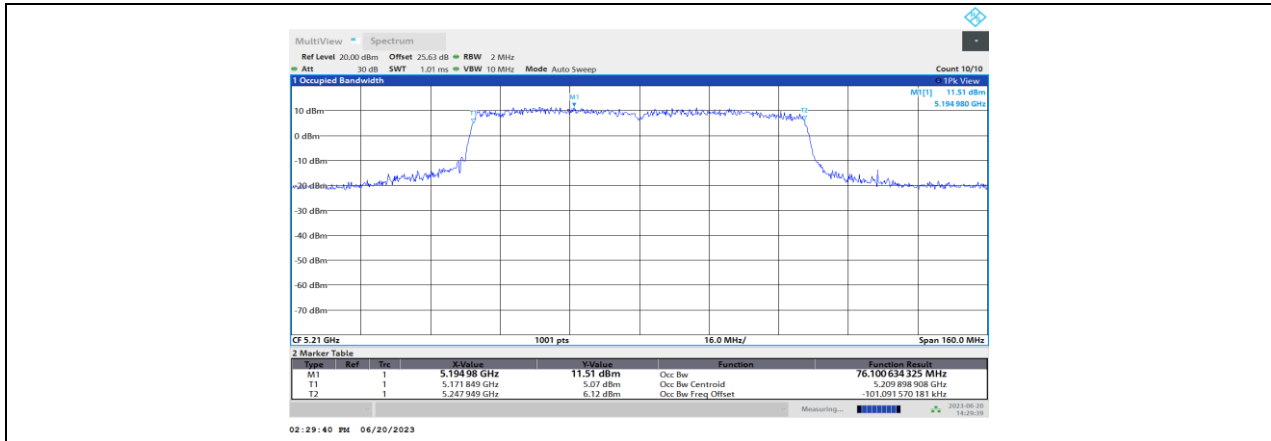
11N40SISO_Ant1_5710



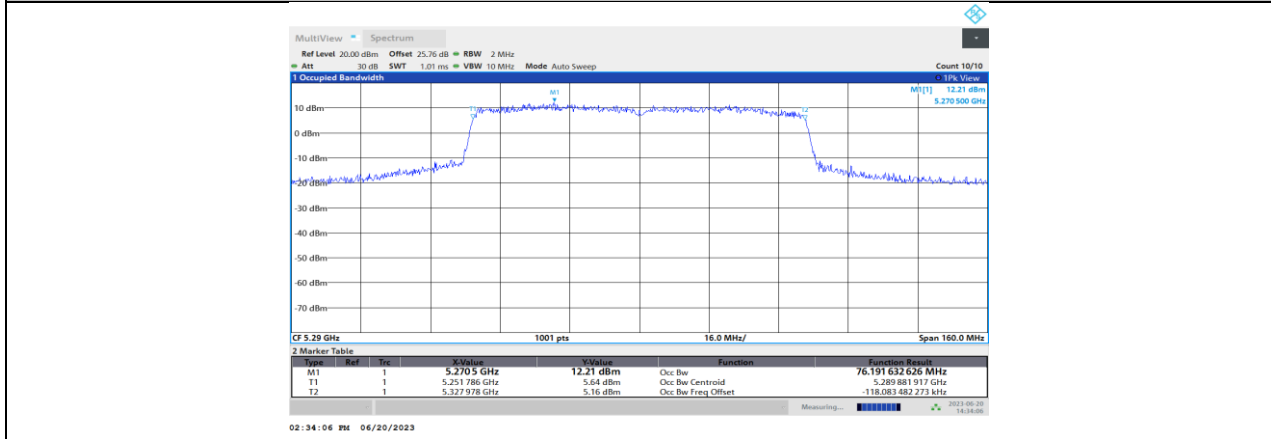
11N40SISO_Ant1_5755



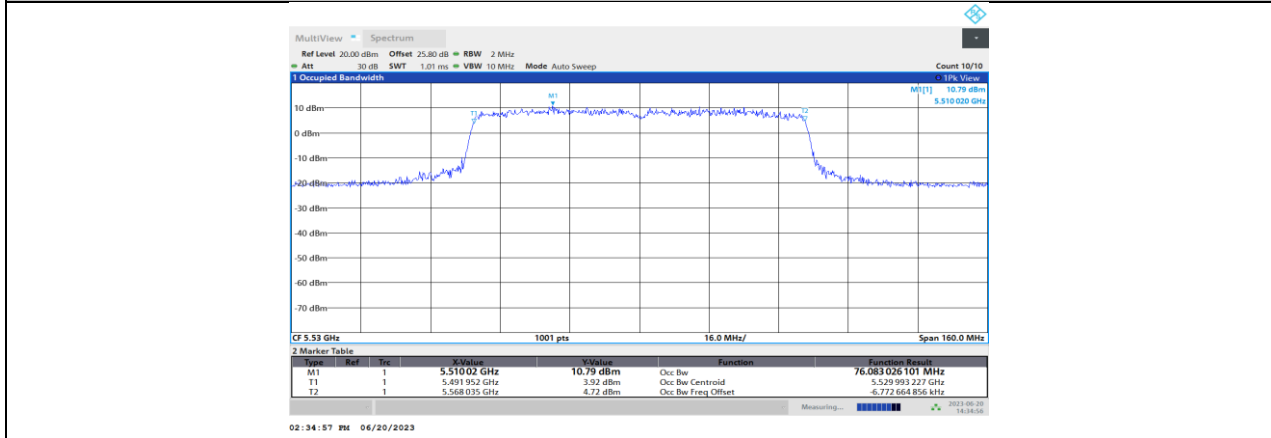
11N40SISO_Ant1_5795



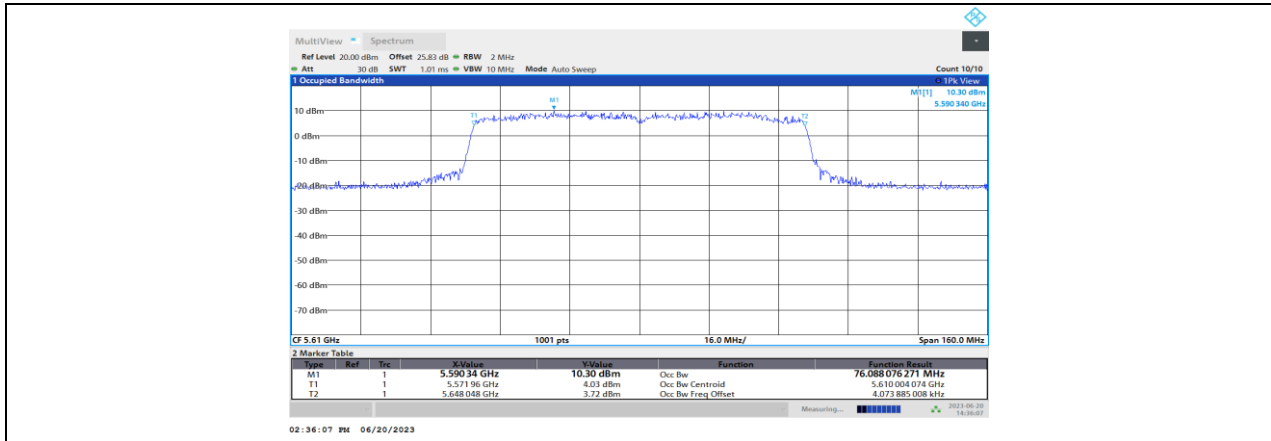
11AC80SISO_Ant1_5210



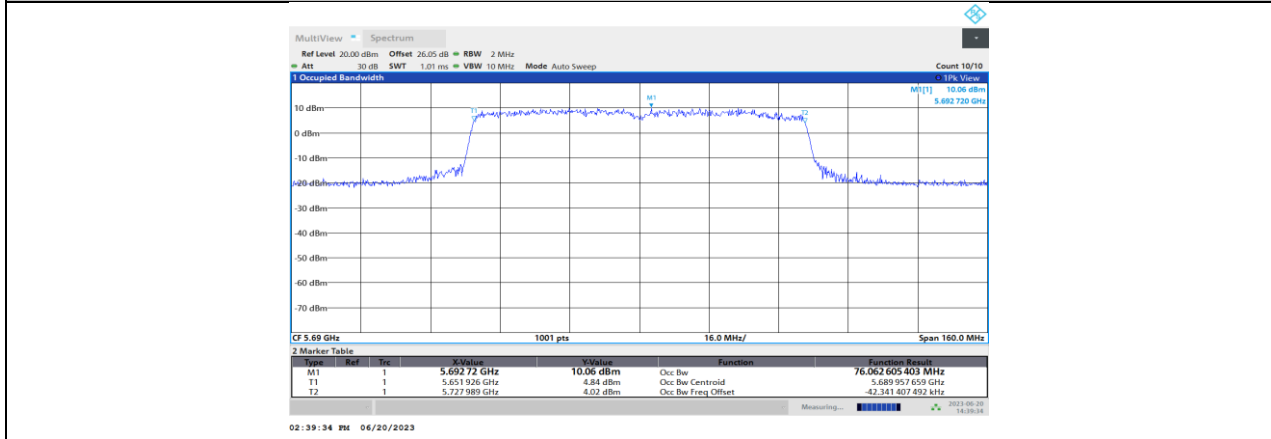
11AC80SISO_Ant1_5290



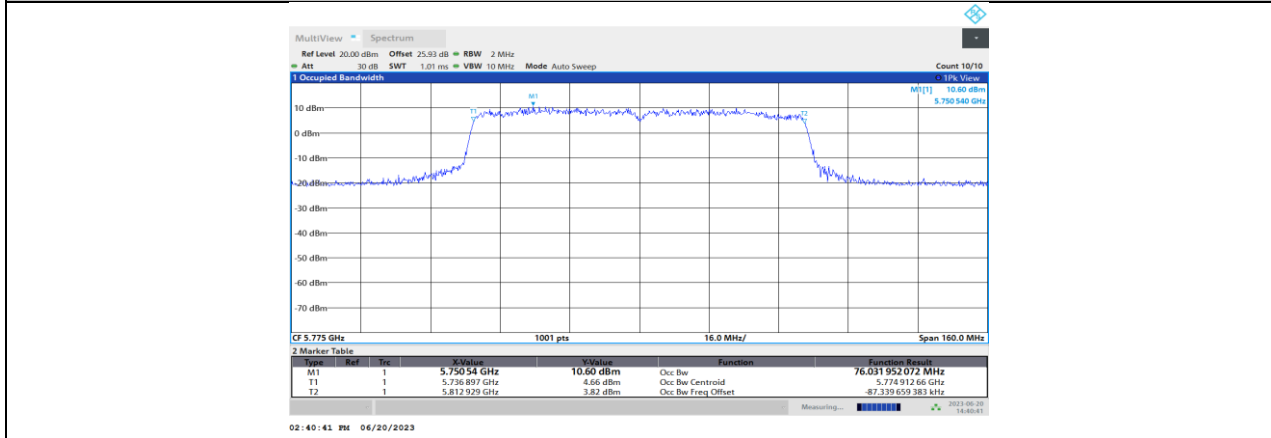
11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5690



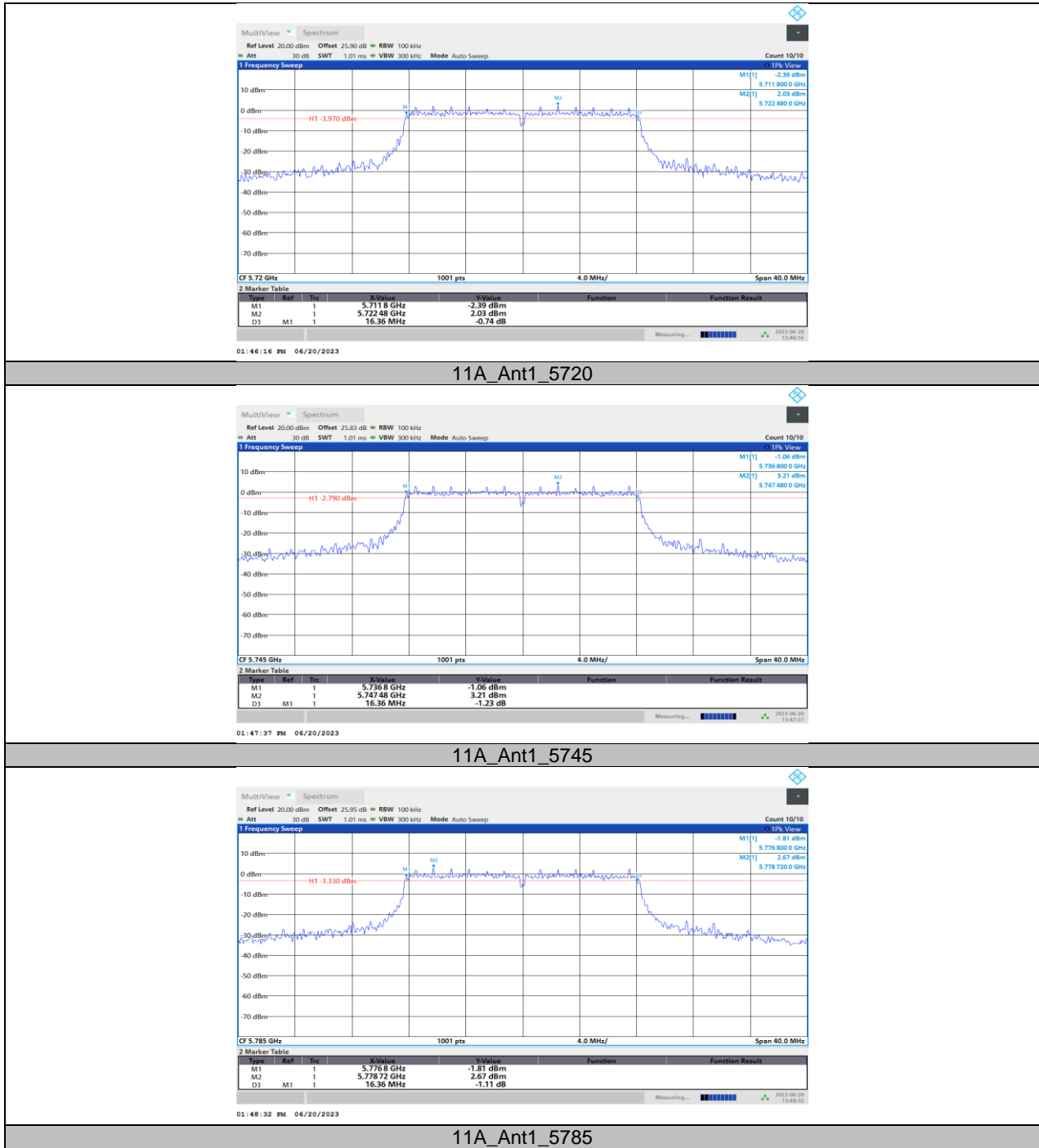
11AC80SISO_Ant1_5775

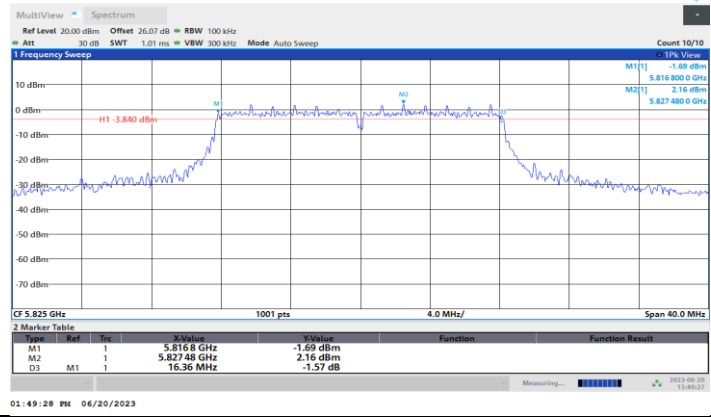
11.3. APPENDIX C: MIN EMISSION BANDWIDTH

11.3.1. Test Result

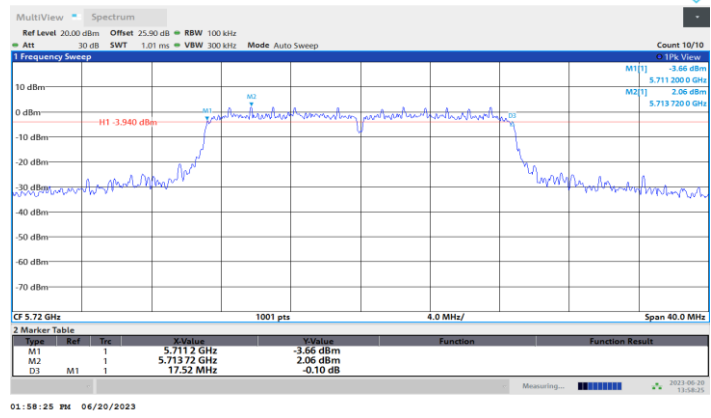
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	16.36	5711.80	5728.16	≥ 0.5	PASS
		5720_UNII-3	3.16	5725	5728.16	≥ 0.5	PASS
		5745	16.36	5736.80	5753.16	≥ 0.5	PASS
		5785	16.36	5776.80	5793.16	≥ 0.5	PASS
		5825	16.36	5816.80	5833.16	≥ 0.5	PASS
11N20SISO	Ant1	5720	17.52	5711.20	5728.72	≥ 0.5	PASS
		5720_UNII-3	3.72	5725	5728.72	≥ 0.5	PASS
		5745	17.56	5736.20	5753.76	≥ 0.5	PASS
		5785	17.52	5776.20	5793.72	≥ 0.5	PASS
		5825	17.32	5816.20	5833.52	≥ 0.5	PASS
11N40SISO	Ant1	5710	35.36	5692.24	5727.60	≥ 0.5	PASS
		5710_UNII-3	2.6	5725	5727.60	≥ 0.5	PASS
		5755	35.76	5737.08	5772.84	≥ 0.5	PASS
		5795	35.36	5777.24	5812.60	≥ 0.5	PASS
11AC80SISO	Ant1	5690	75.68	5652.08	5727.76	≥ 0.5	PASS
		5690_UNII-3	2.76	5725	5727.76	≥ 0.5	PASS
		5775	75.36	5737.24	5812.60	≥ 0.5	PASS

11.3.2. Test Graphs

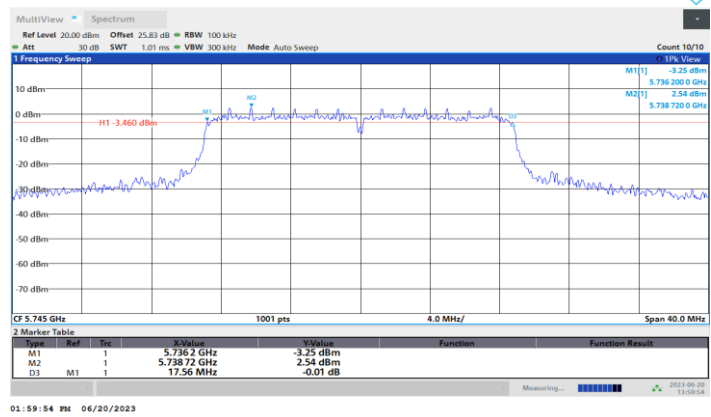




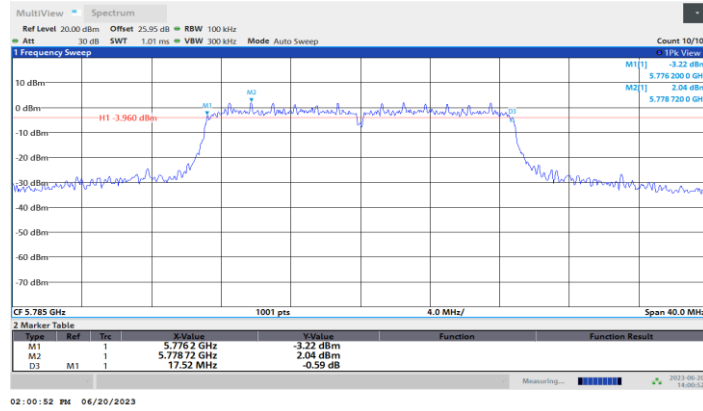
11A_Ant1_5825



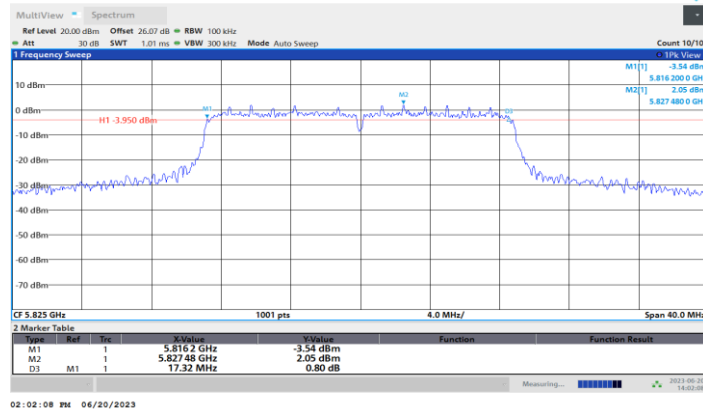
11N20SISO_Ant1_5720



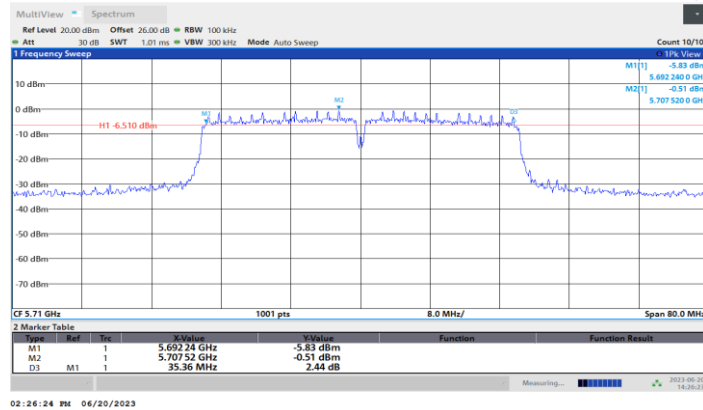
11N20SISO_Ant1_5745



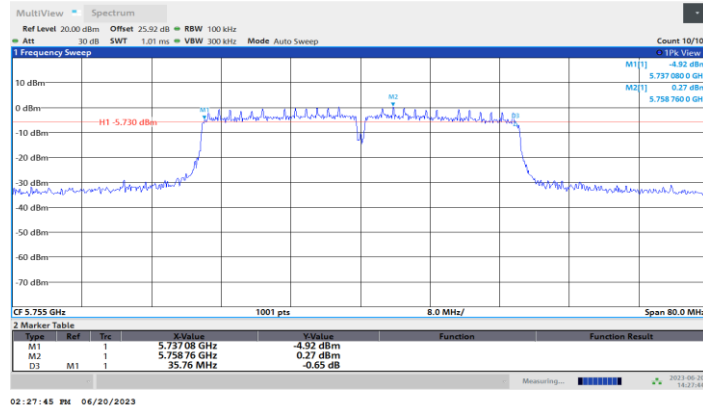
11N20SISO_Ant1_5785



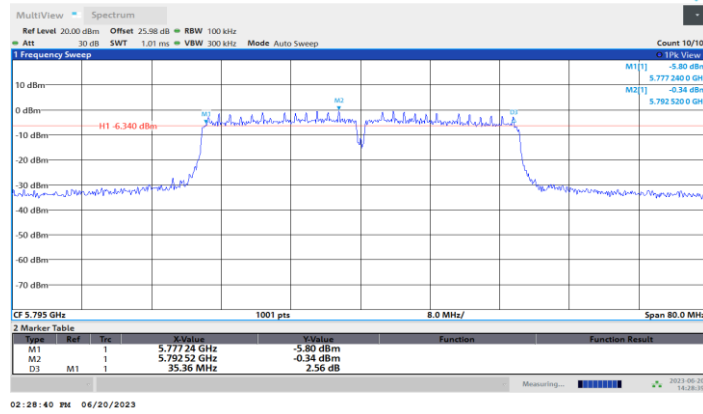
11N20SISO_Ant1_5825



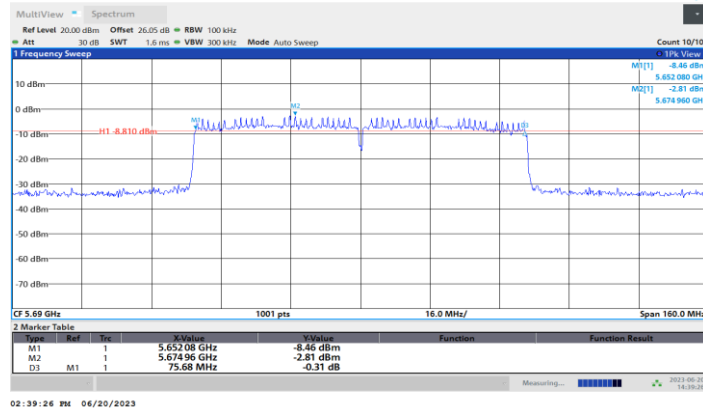
11N40SISO_Ant1_5710



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC80SISO_Ant1_5690



11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	16.23	≤23.98	---	21.31	≤22.41	PASS
		5200	17.11	≤23.98	---	22.19	≤22.43	PASS
		5240	16.91	≤23.98	---	21.99	≤22.42	PASS
		5260	16.97	≤23.98	≤23.41	22.05	≤29.41	PASS
		5280	17.16	≤23.98	≤23.40	22.24	≤29.40	PASS
		5320	16.13	≤23.98	≤23.42	21.21	≤29.42	PASS
		5500	12.64	≤23.98	≤23.40	17.72	≤29.40	PASS
		5580	12.17	≤23.98	≤23.40	17.25	≤29.40	PASS
		5700	11.80	≤23.98	≤23.40	16.88	≤29.40	PASS
		5720	11.56	≤23.98	≤23.40	16.64	≤29.40	PASS
		5720_UNII-2C	8.23	≤23.52	≤22.37	13.31	≤28.37	PASS
		5720_UNII-3	2.06	≤30.00	≤30.00	7.14	---	PASS
		5745	16.77	≤30.00	≤30.00	21.85	---	PASS
		5785	16.29	≤30.00	≤30.00	21.37	---	PASS
5825	15.63	≤30.00	≤30.00	20.71	---	PASS		
11N20SISO	Ant1	5180	15.05	≤23.98	---	20.13	22.58	PASS
		5200	14.69	≤23.98	---	19.77	22.58	PASS
		5240	14.60	≤23.98	---	19.68	22.60	PASS
		5260	14.74	≤23.98	≤23.60	19.82	≤29.60	PASS
		5280	14.33	≤23.98	≤23.59	19.41	≤29.59	PASS
		5320	13.93	≤23.98	≤23.59	19.01	≤29.59	PASS
		5500	12.86	≤23.98	≤23.59	17.94	≤29.59	PASS
		5580	11.67	≤23.98	≤23.59	16.75	≤29.59	PASS
		5700	11.93	≤23.98	≤23.58	17.01	≤29.58	PASS
		5720	11.68	≤23.98	≤23.60	16.76	≤29.60	PASS
		5720_UNII-2C	8.65	≤23.53	≤22.50	13.73	≤28.50	PASS
		5720_UNII-3	2.60	≤30.00	≤30.00	7.68	---	PASS
		5745	16.33	≤30.00	≤30.00	21.41	---	PASS
		5785	15.69	≤30.00	≤30.00	20.77	---	PASS
5825	15.73	≤30.00	≤30.00	20.81	---	PASS		
11N40SISO	Ant1	5190	14.54	≤23.98	---	19.62	≤23.00	PASS
		5230	14.39	≤23.98	---	19.47	≤23.00	PASS
		5270	14.45	≤23.98	≤23.98	19.53	≤30.00	PASS
		5310	13.90	≤23.98	≤23.98	18.98	≤30.00	PASS
		5510	11.14	≤23.98	≤23.98	16.22	≤30.00	PASS
		5550	12.56	≤23.98	≤23.98	17.64	≤30.00	PASS
		5670	11.80	≤23.98	≤23.98	16.88	≤30.00	PASS
		5710	11.32	≤23.98	≤23.98	16.40	≤30.00	PASS
		5710_UNII-2C	9.25	≤23.98	≤21.91	14.33	≤30.00	PASS
		5710_UNII-3	-1.49	≤30.00	≤30.00	3.59	---	PASS
		5755	15.82	≤30.00	≤30.00	20.90	---	PASS
		5795	14.98	≤30.00	≤30.00	20.06	---	PASS
11AC80SISO	Ant1	5210	14.28	≤23.98	---	19.36	---	PASS
		5290	13.86	≤23.98	≤23.98	18.94	≤30.00	PASS
		5530	13.25	≤23.98	≤23.98	18.33	≤30.00	PASS
		5610	14.22	≤23.98	≤23.98	19.30	≤30.00	PASS
		5690	14.68	≤23.98	≤23.98	19.76	≤30.00	PASS
		5690_UNII-2C	13.53	≤23.98	≤23.98	18.61	≤30.00	PASS
		5690_UNII-3	-2.04	≤30.00	≤30.00	3.04	---	PASS
5775	16.23	≤30.00	≤30.00	21.31	---	PASS		

Note: The Duty Cycle Factor is compensated in the graph.

11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

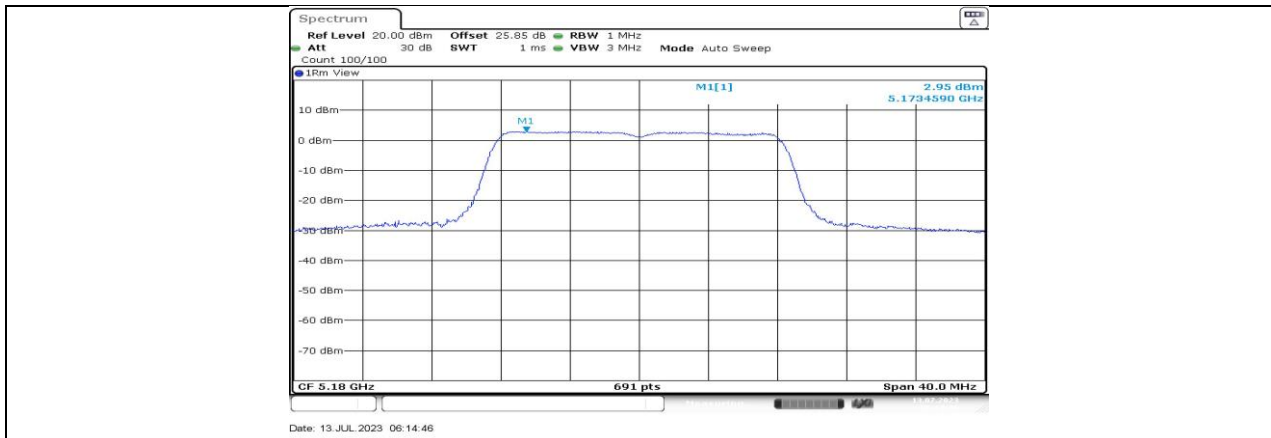
11.5.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	2.95	≤11.00	8.03	≤10.00	PASS
		5200	4.42	≤11.00	9.50	≤10.00	PASS
		5240	4.14	≤11.00	9.22	≤10.00	PASS
		5260	4.05	≤11.00	9.13	---	PASS
		5280	4.44	≤11.00	9.52	---	PASS
		5320	1.7	≤11.00	6.78	---	PASS
		5500	-0.9	≤11.00	4.18	---	PASS
		5580	-1.35	≤11.00	3.73	---	PASS
		5700	-1.38	≤11.00	3.70	---	PASS
		5720_UNII-2C	-1.97	≤11.00	3.11	---	PASS
		5720_UNII-3	-5.48	≤30.00	-0.40	---	PASS
		5745	0.81	≤30.00	5.89	---	PASS
		5785	0.31	≤30.00	5.39	---	PASS
		5825	-0.01	≤30.00	5.07	---	PASS
11N20SISO	Ant1	5180	2.36	≤11.00	7.44	≤10.00	PASS
		5200	1.88	≤11.00	6.96	≤10.00	PASS
		5240	1.69	≤11.00	6.77	≤10.00	PASS
		5260	2.32	≤11.00	7.40	---	PASS
		5280	2.16	≤11.00	7.24	---	PASS
		5320	1.53	≤11.00	6.61	---	PASS
		5500	-0.93	≤11.00	4.15	---	PASS
		5580	-1.31	≤11.00	3.77	---	PASS
		5700	-1.43	≤11.00	3.65	---	PASS
		5720_UNII-2C	-2.07	≤11.00	3.01	---	PASS
		5720_UNII-3	-5.27	≤30.00	-0.19	---	PASS
		5745	0.01	≤30.00	5.09	---	PASS
		5785	-0.41	≤30.00	4.67	---	PASS
		5825	-0.55	≤30.00	4.53	---	PASS
11N40SISO	Ant1	5190	-1.15	≤11.00	3.93	≤10.00	PASS
		5230	-1.39	≤11.00	3.69	≤10.00	PASS
		5270	-1.47	≤11.00	3.61	---	PASS
		5310	-1.56	≤11.00	3.52	---	PASS
		5510	-5.16	≤11.00	-0.08	---	PASS
		5550	-4.06	≤11.00	1.02	---	PASS
		5670	-4.66	≤11.00	0.42	---	PASS
		5710_UNII-2C	-4.97	≤11.00	0.11	---	PASS
		5710_UNII-3	-9.26	≤30.00	-4.18	---	PASS
		5755	-2.83	≤30.00	2.25	---	PASS
11AC80SISO	Ant1	5795	-3.43	≤30.00	1.65	---	PASS
		5210	-5.07	≤11.00	0.01	≤10.00	PASS
		5290	-5	≤11.00	0.08	---	PASS
		5530	-6.23	≤11.00	-1.15	---	PASS
		5610	-5.54	≤11.00	-0.46	---	PASS
		5690_UNII-2C	-4.12	≤11.00	0.96	---	PASS
		5690_UNII-3	-8.86	≤30.00	-3.78	---	PASS
5775	-5.27	≤30.00	-0.19	---	PASS		

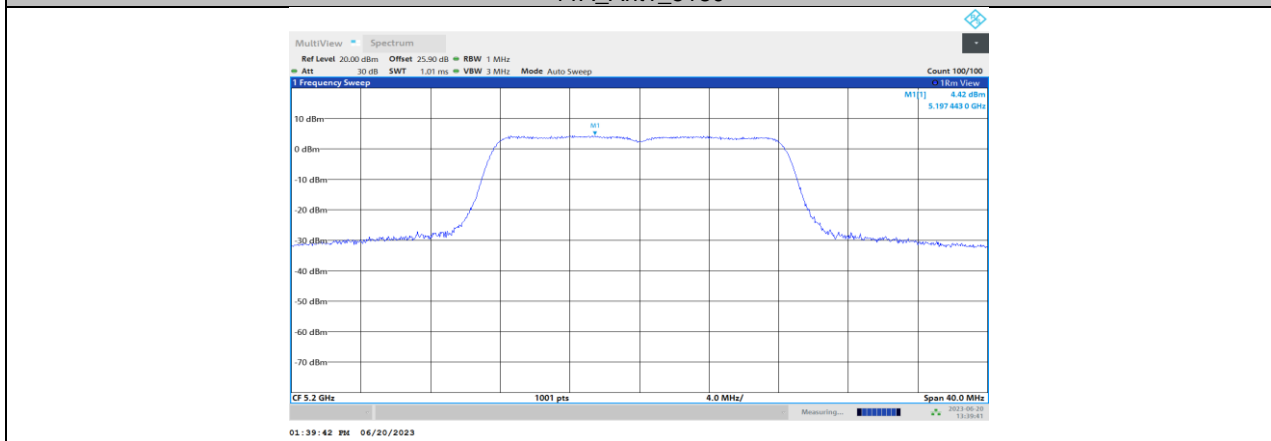
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

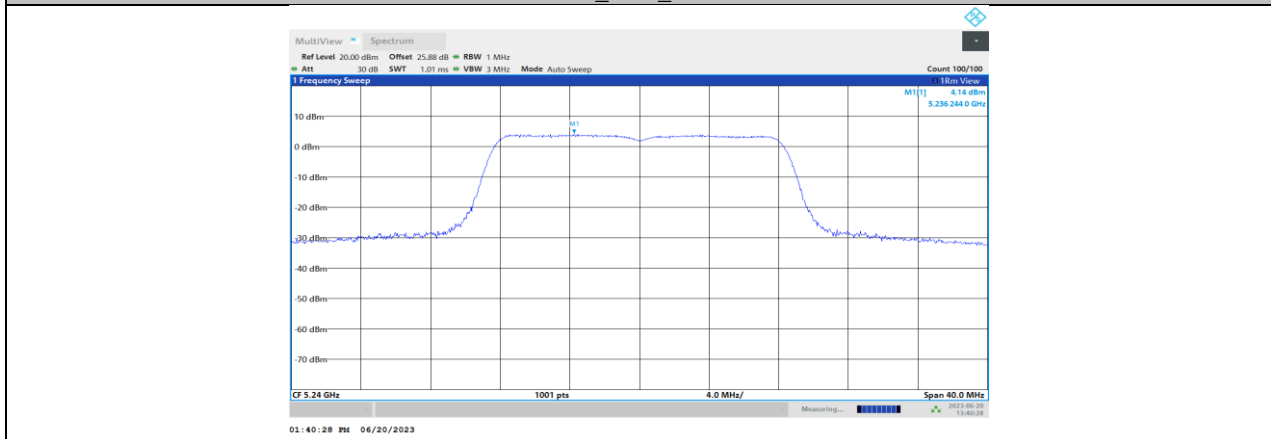
11.5.2. Test Graphs



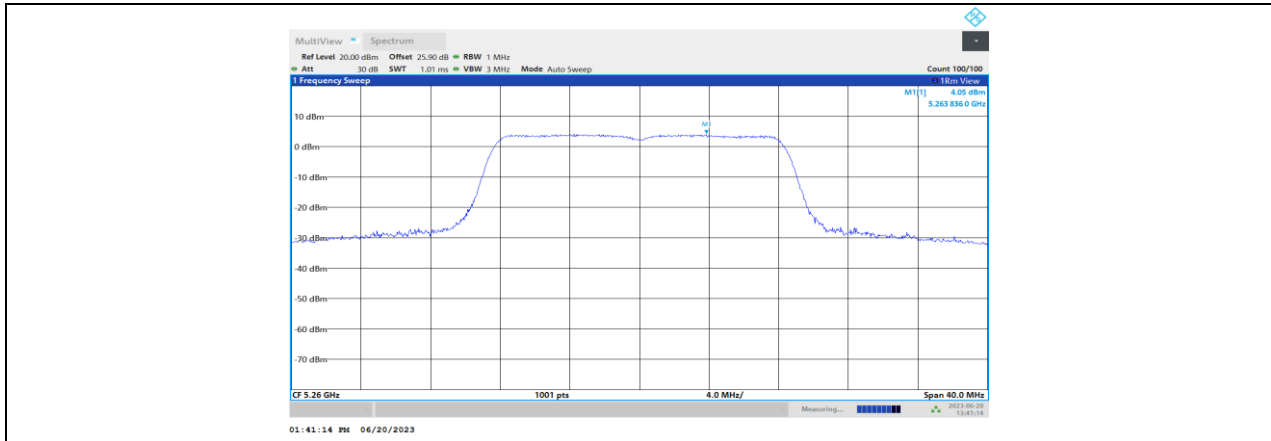
11A_Ant1_5180



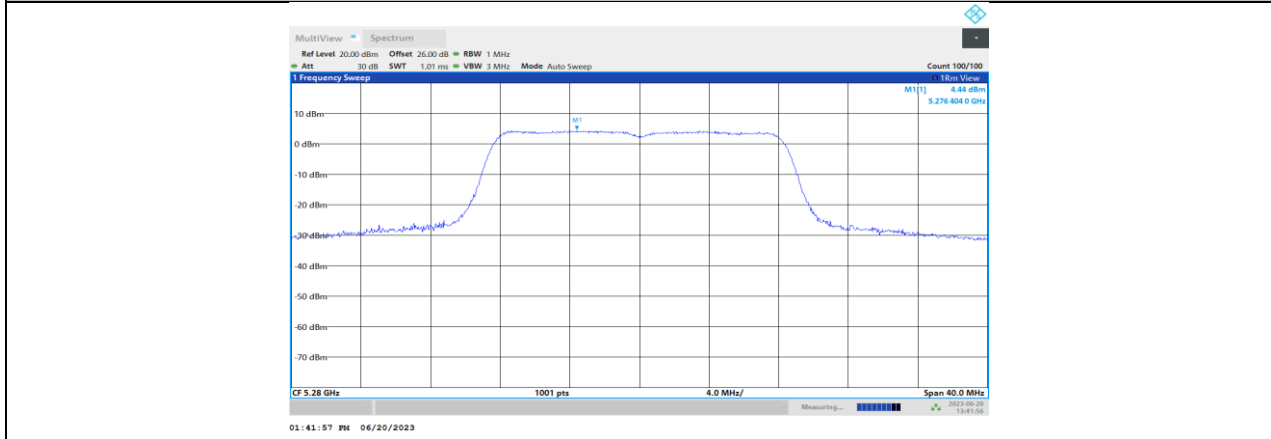
11A_Ant1_5200



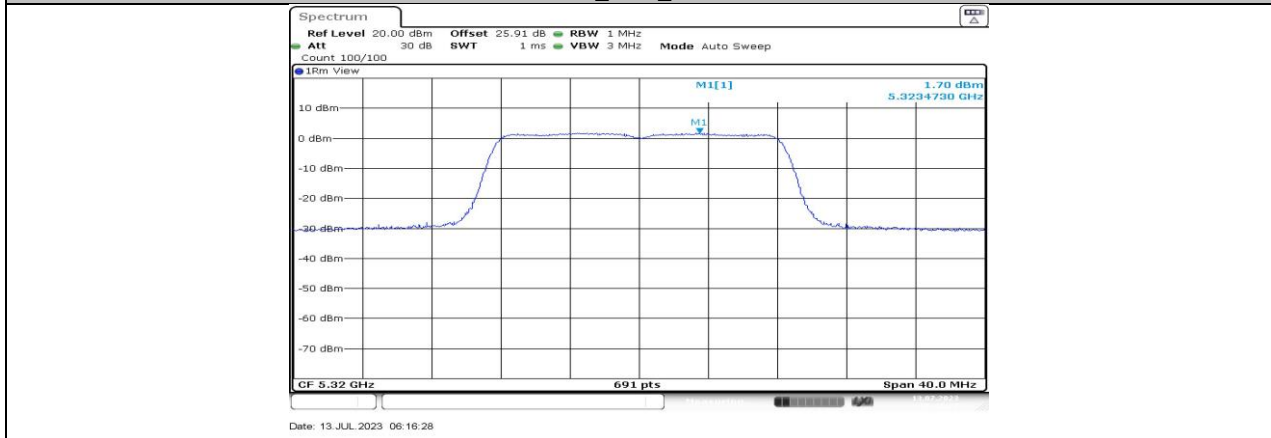
11A_Ant1_5240



11A_Ant1_5260



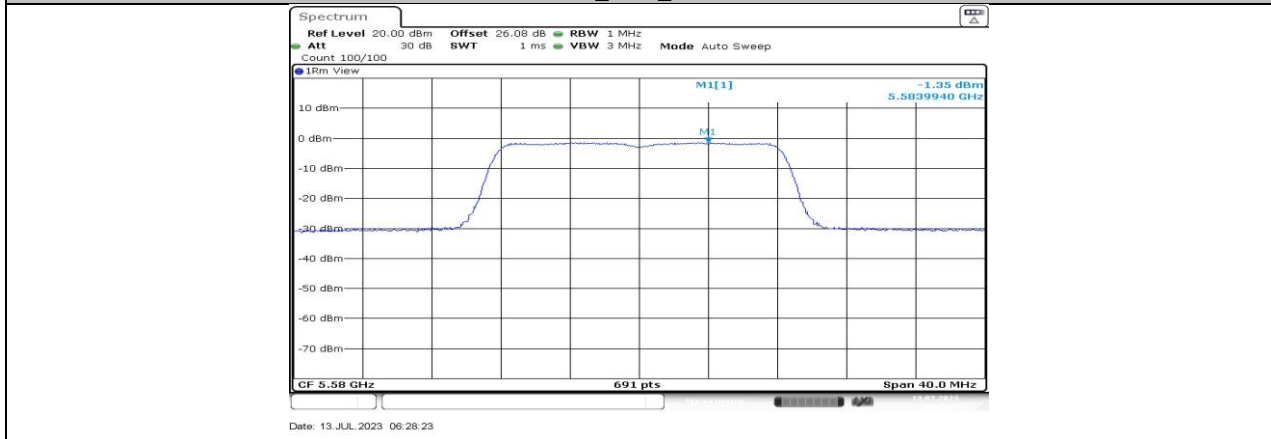
11A_Ant1_5280



11A_Ant1_5320



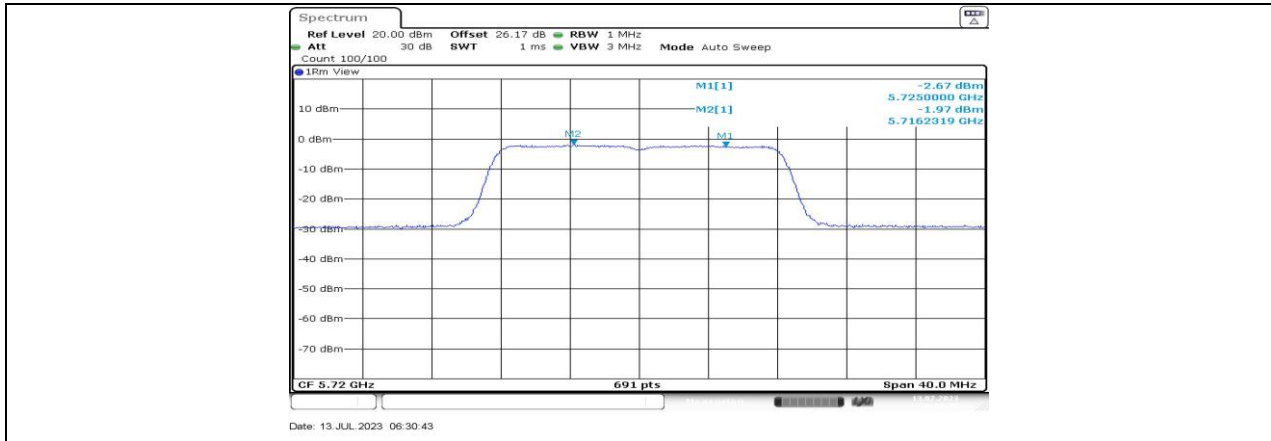
11A_Ant1_5500



11A_Ant1_5580



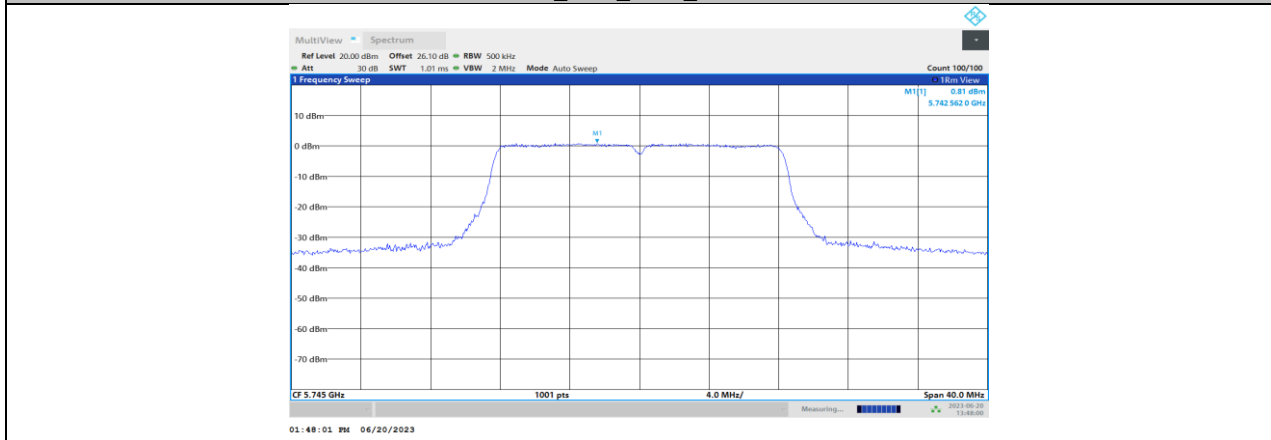
11A_Ant1_5700



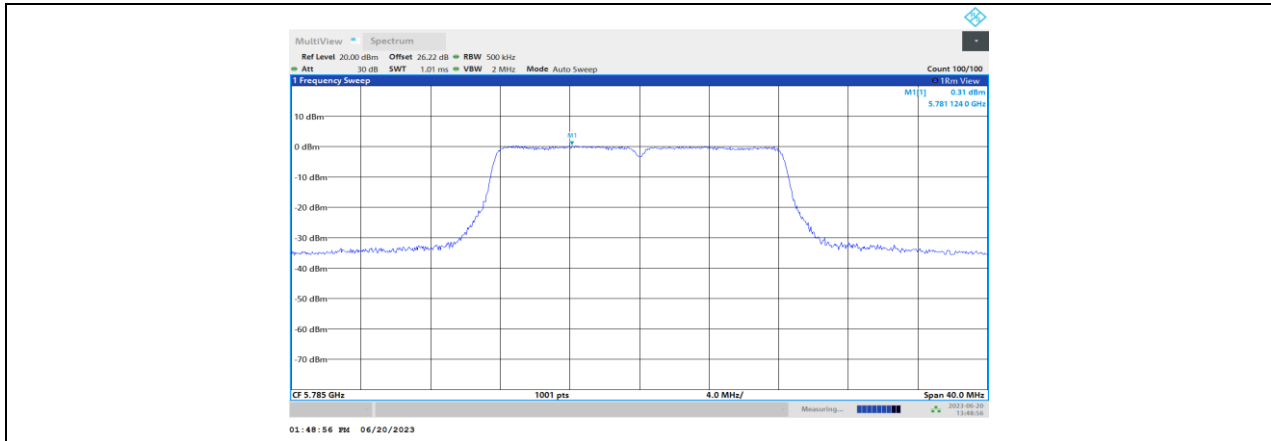
11A_Ant1_5720_UNII-2C



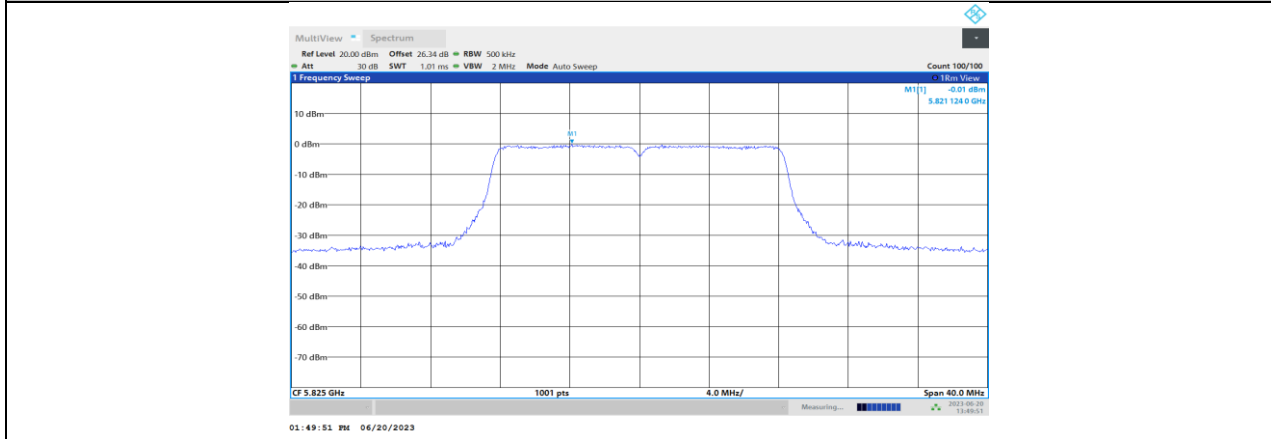
11A_Ant1_5720_UNII-3



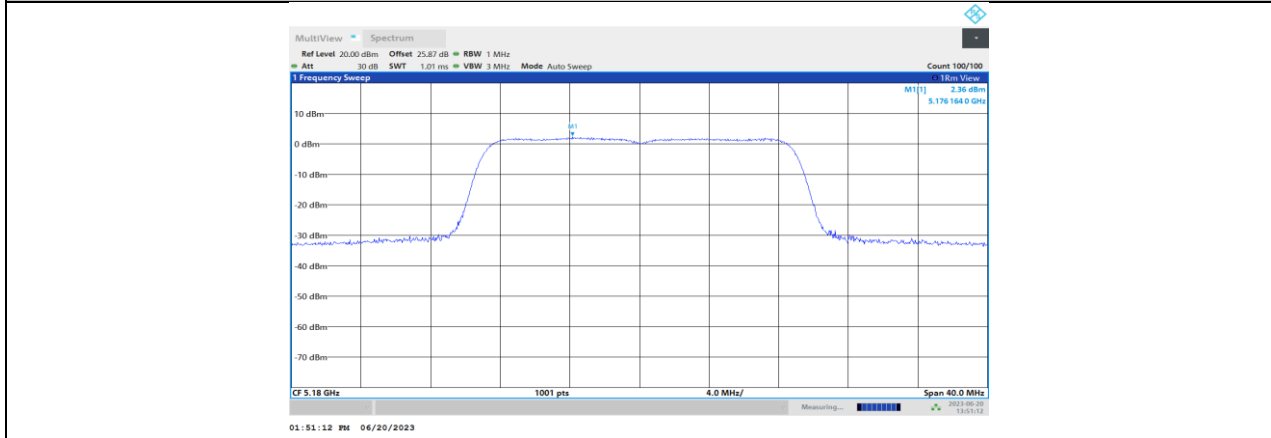
11A_Ant1_5745



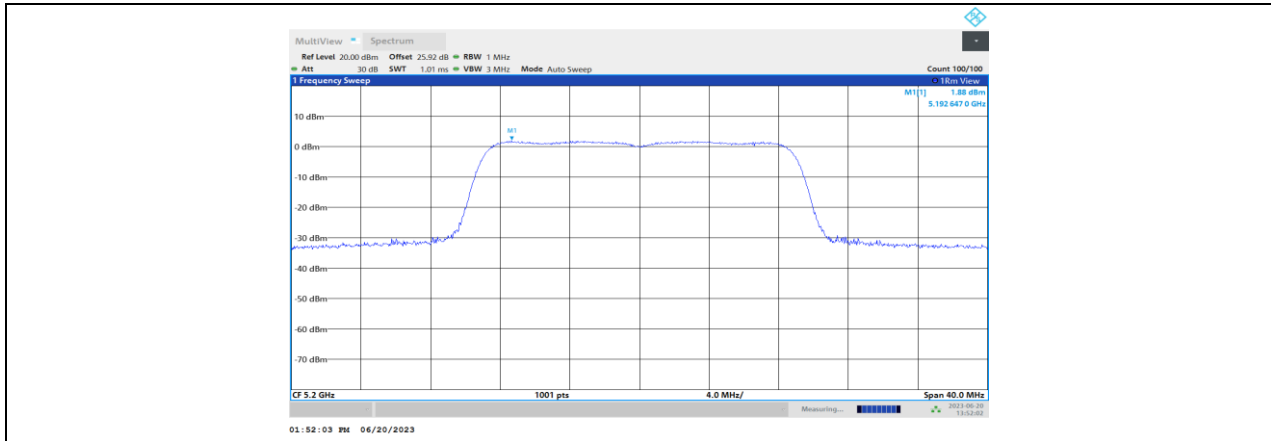
11A_Ant1_5785



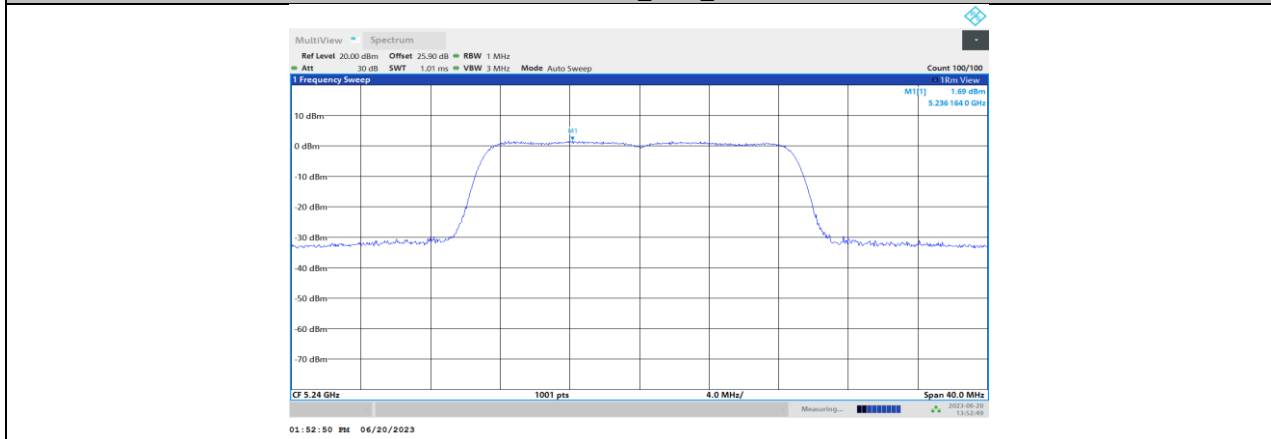
11A_Ant1_5825



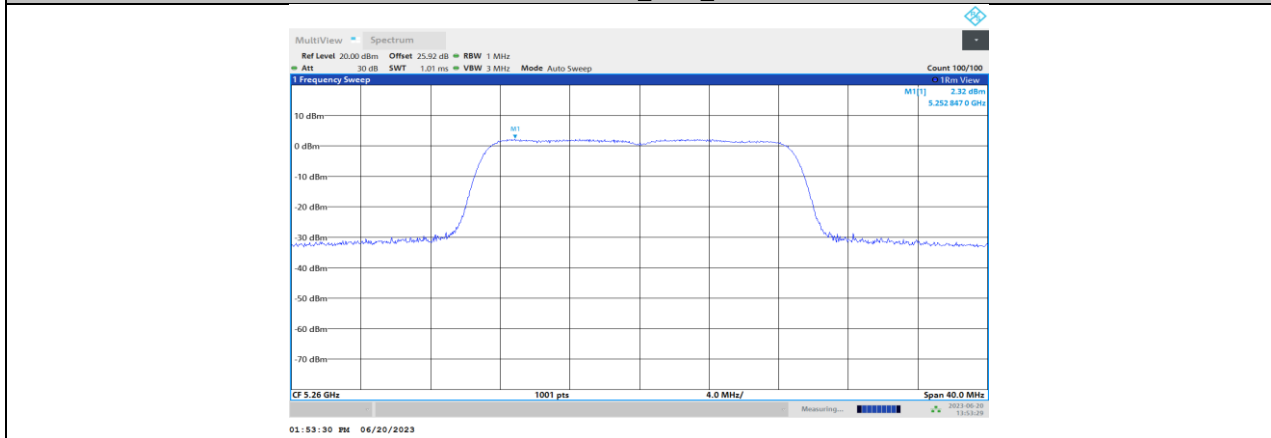
11N20SISO_Ant1_5180



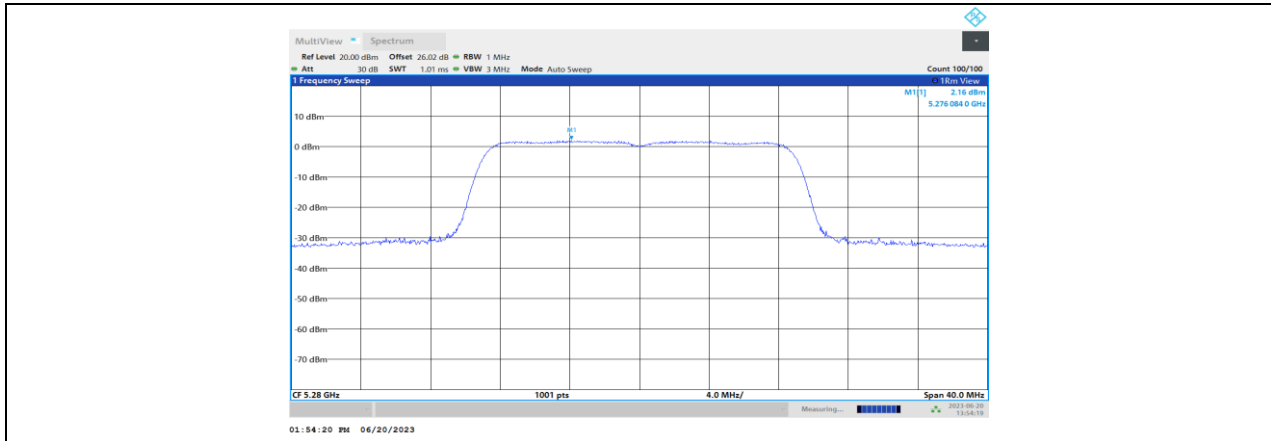
11N20SISO_Ant1_5200



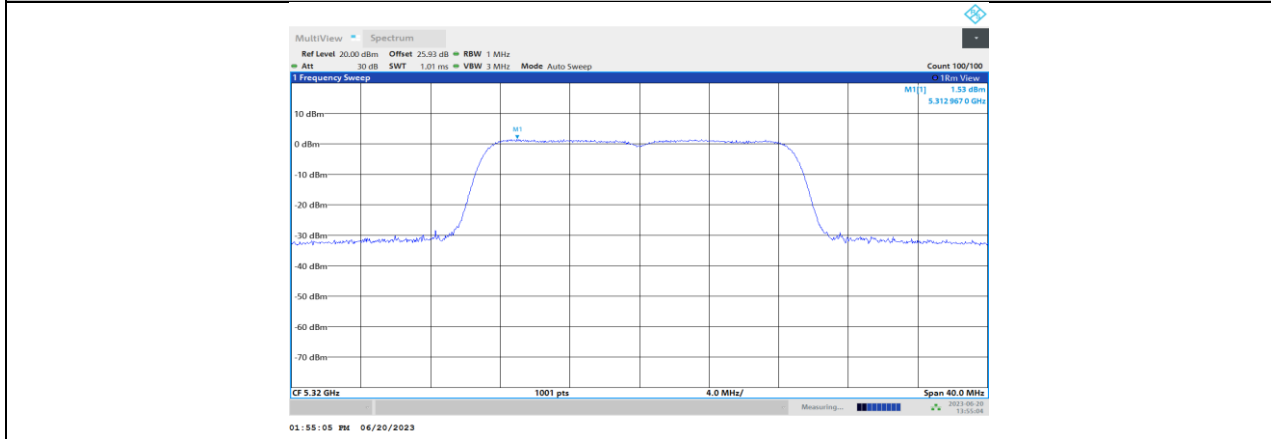
11N20SISO_Ant1_5240



11N20SISO_Ant1_5260



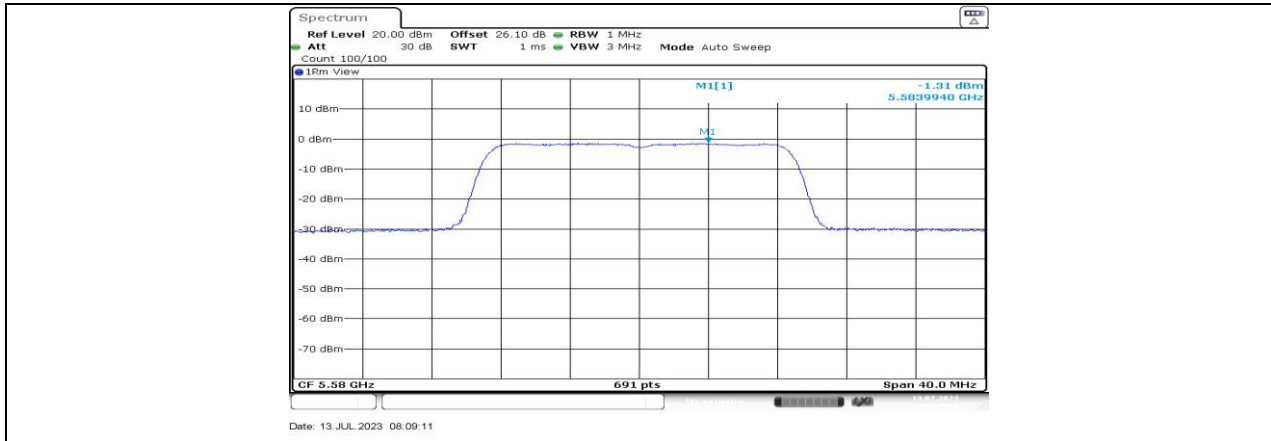
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



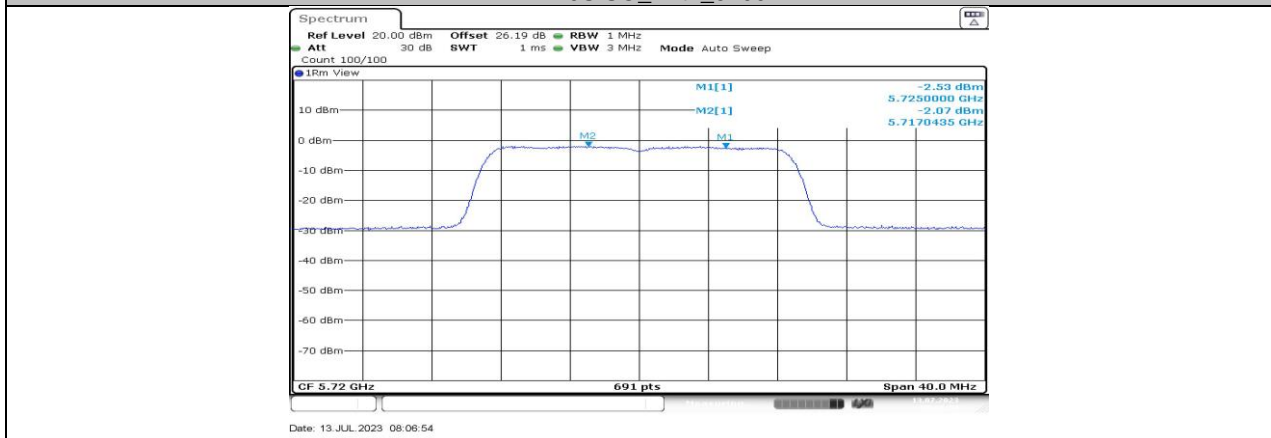
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



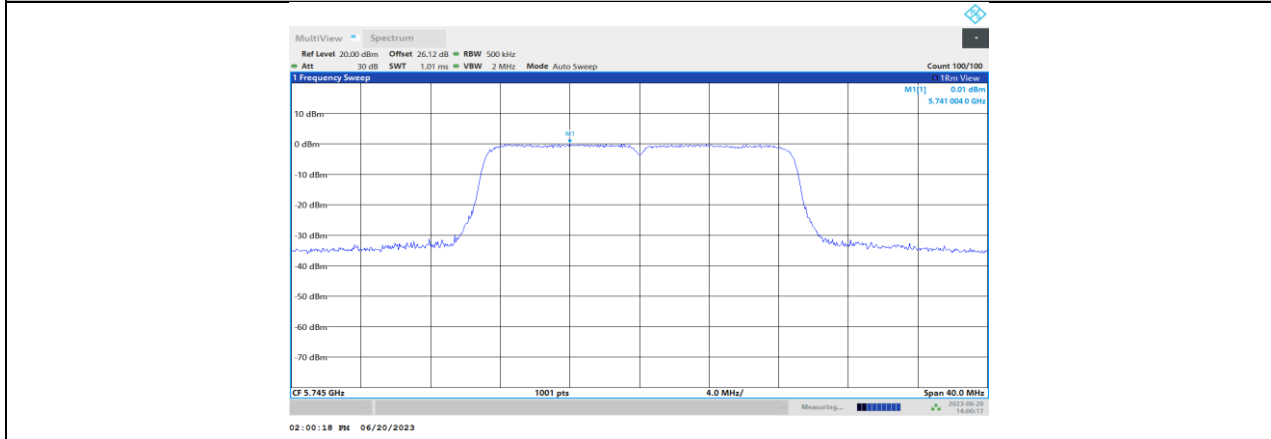
11N20SISO_Ant1_5700



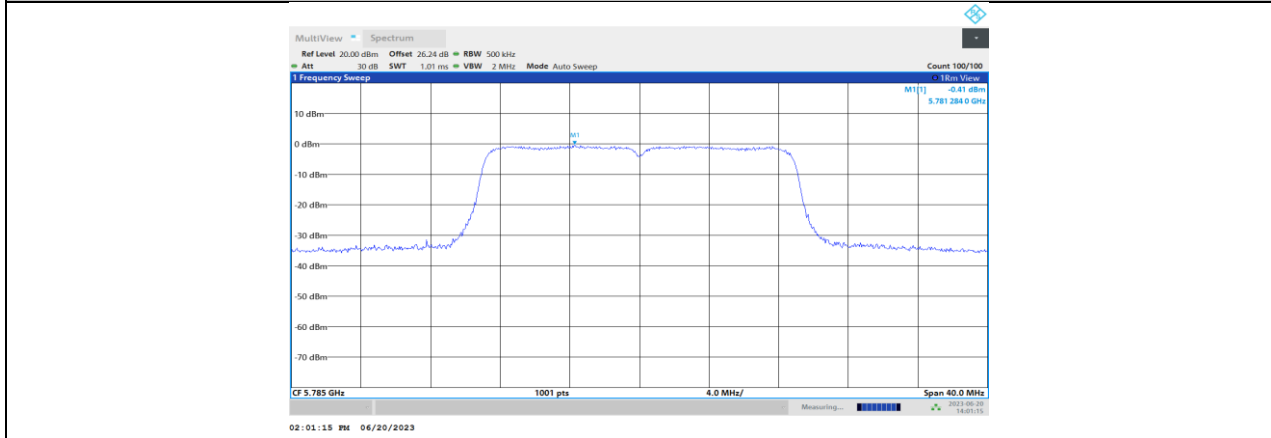
11N20SISO_Ant1_5720_UNII-2C



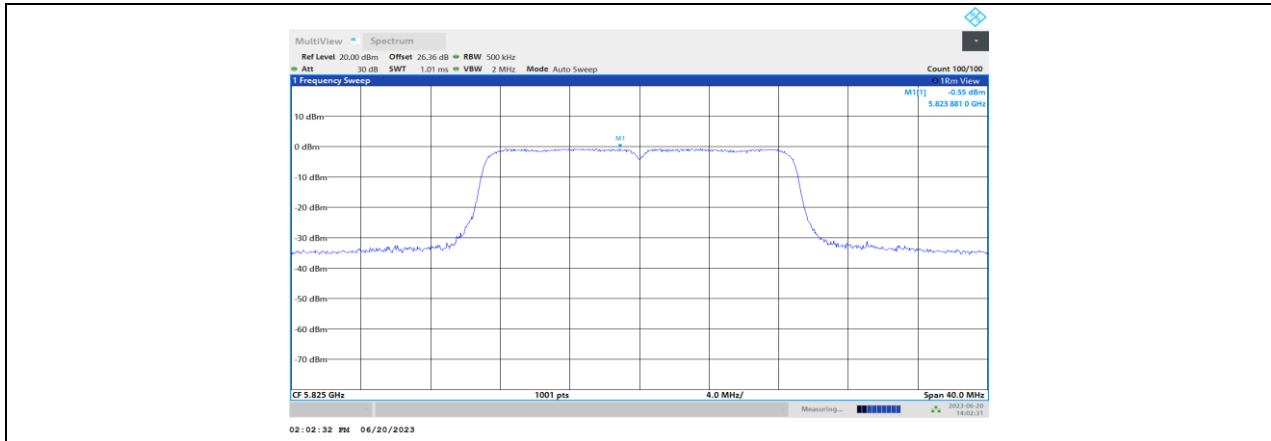
11N20SISO_Ant1_5720_UNII-3



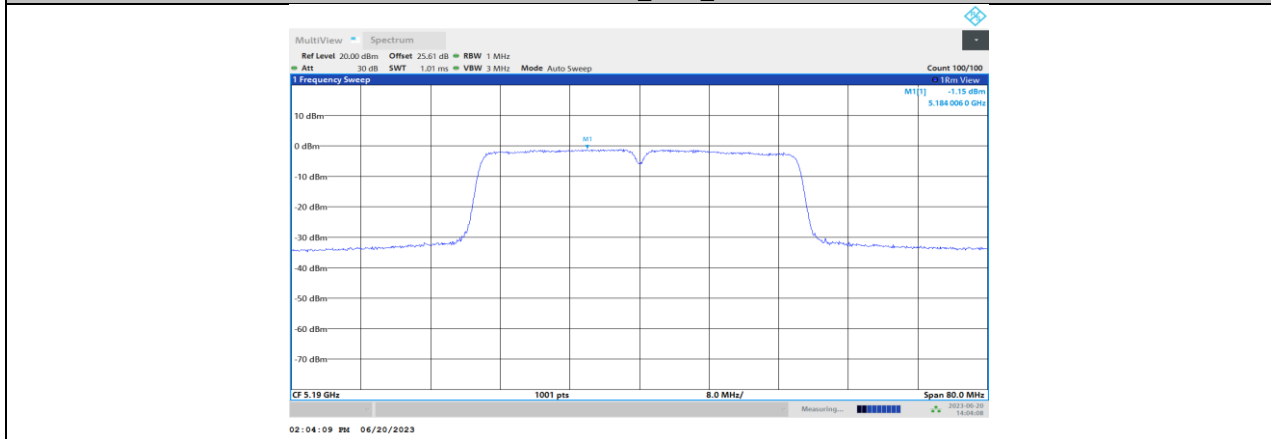
11N20SISO_Ant1_5745



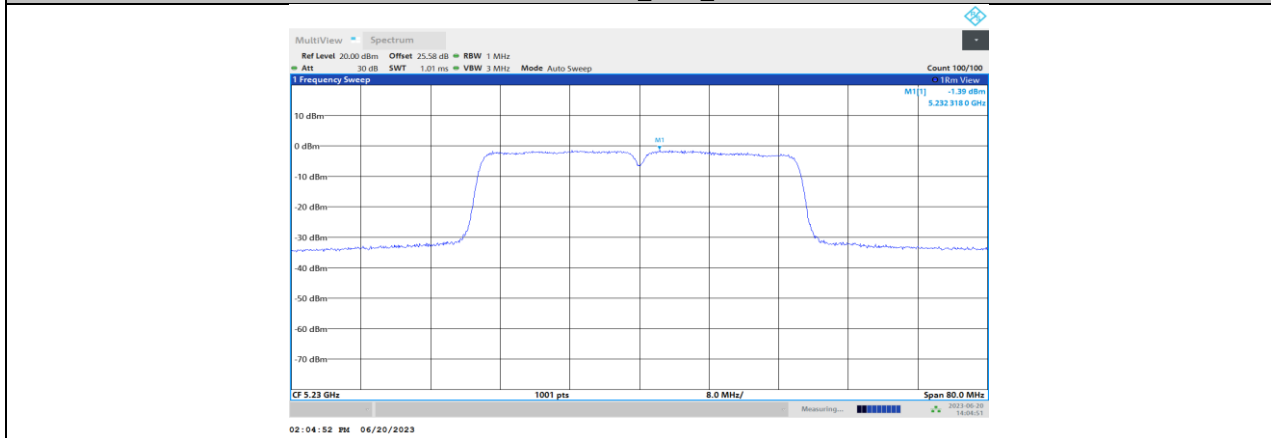
11N20SISO_Ant1_5785



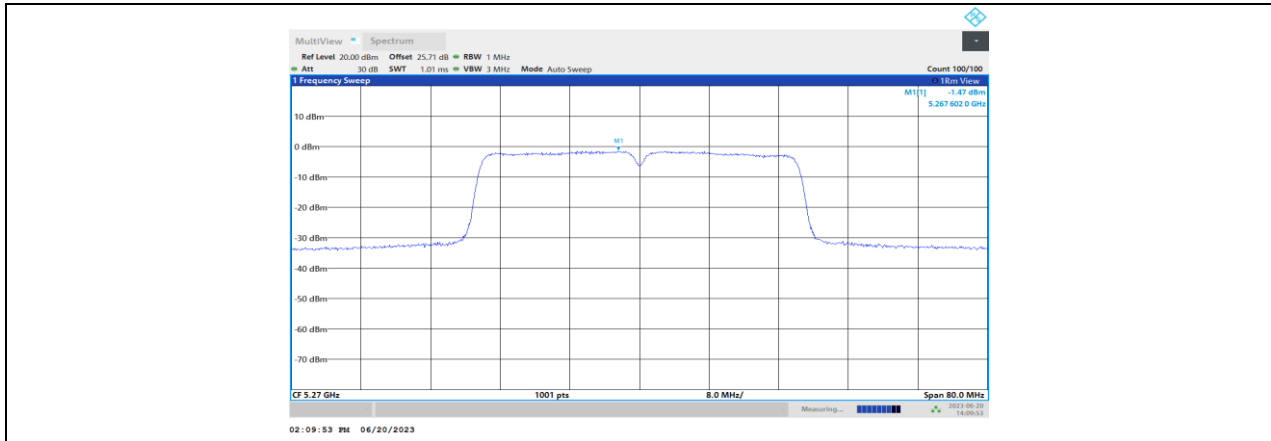
11N20SISO_Ant1_5825



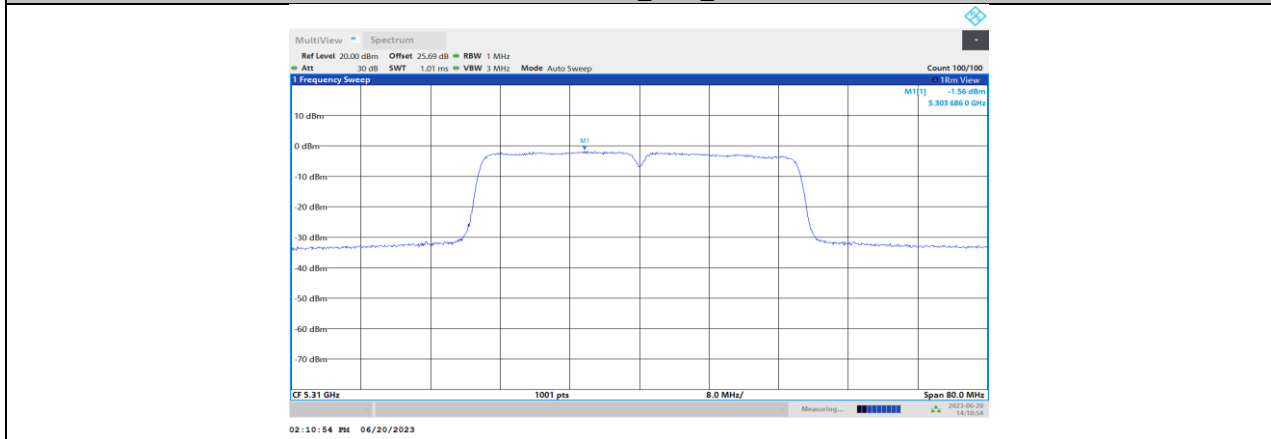
11N40SISO_Ant1_5190



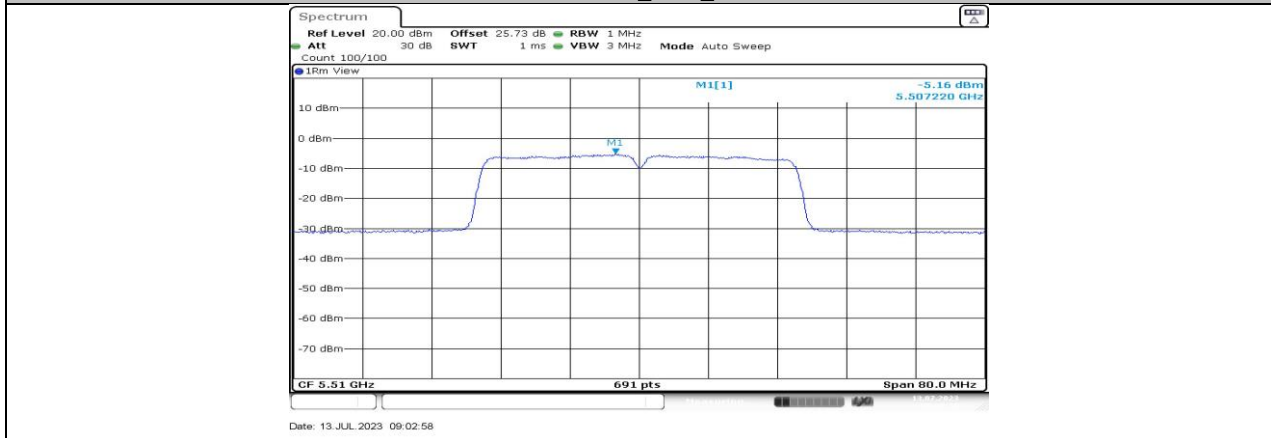
11N40SISO_Ant1_5230



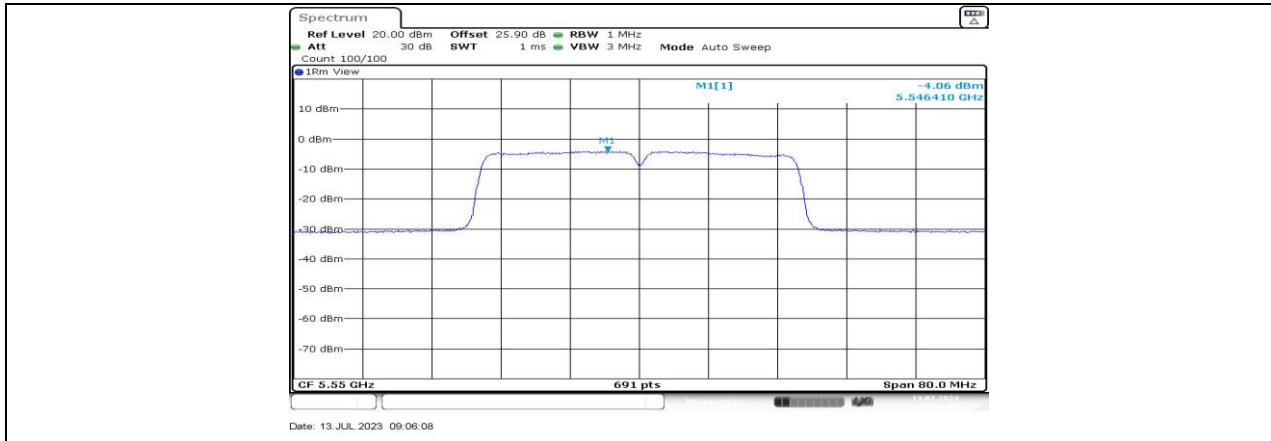
11N40SISO_Ant1_5270



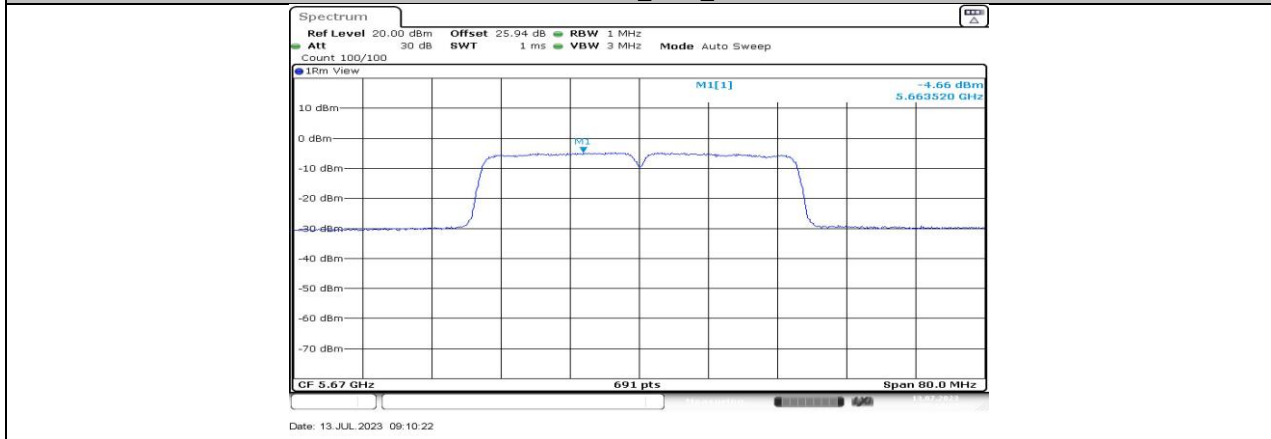
11N40SISO_Ant1_5310



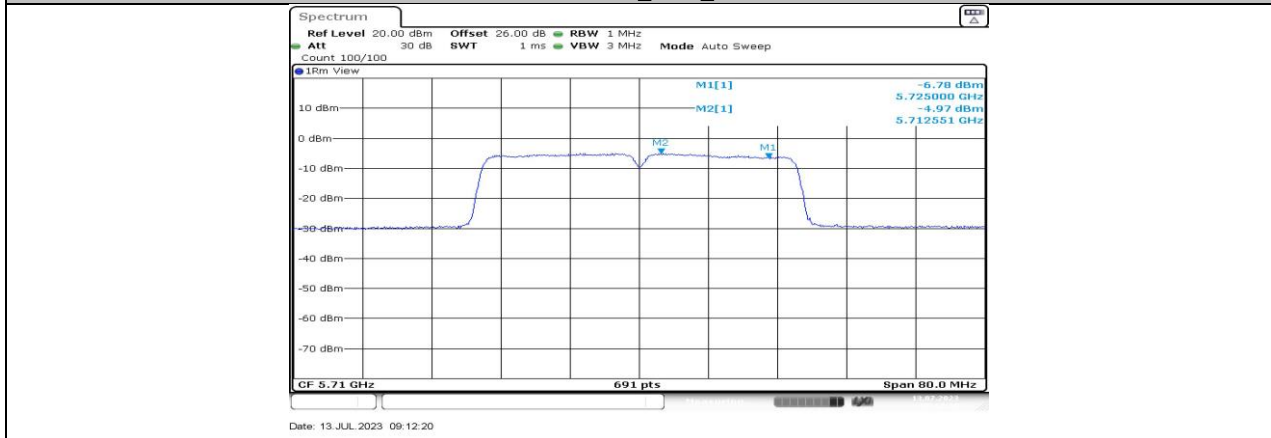
11N40SISO_Ant1_5510



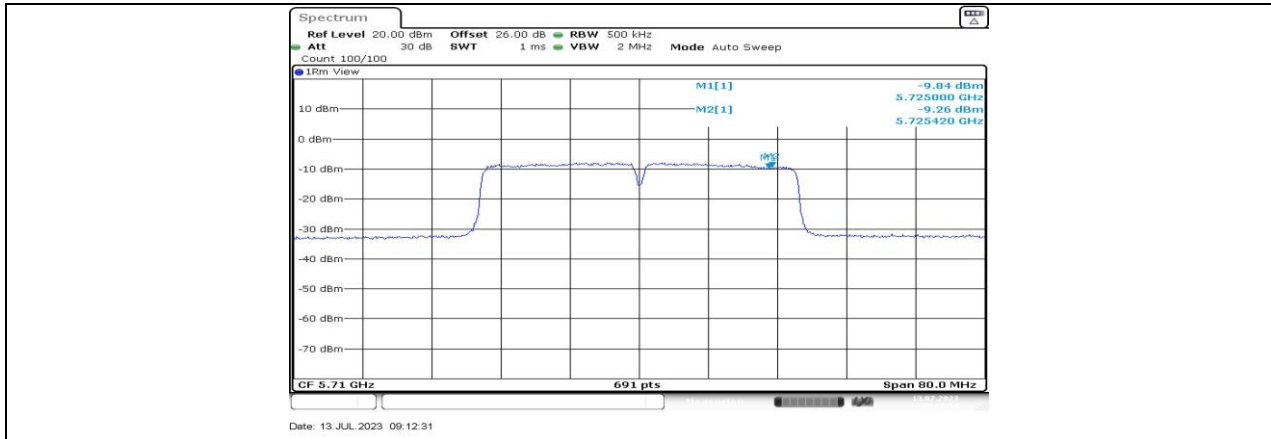
11N40SISO_Ant1_5550



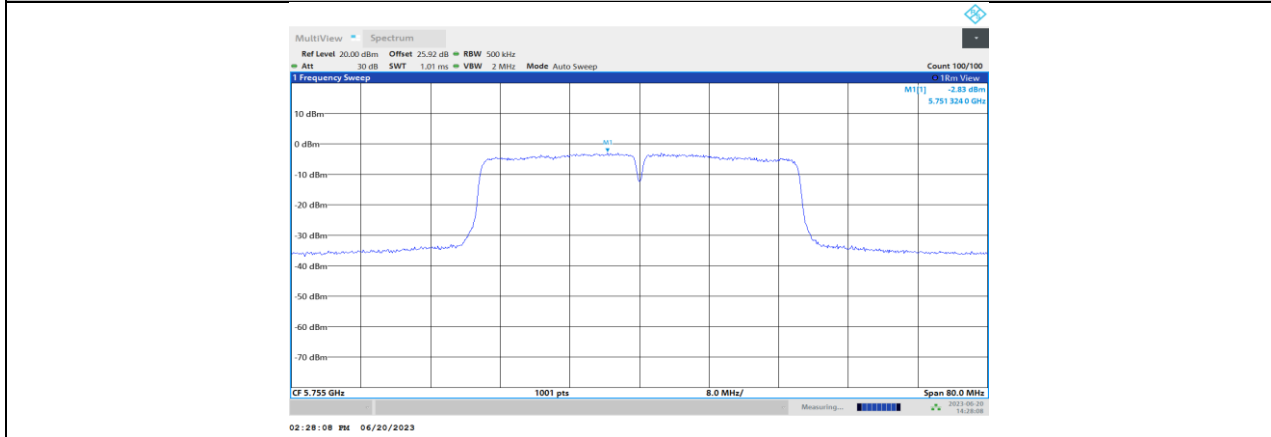
11N40SISO_Ant1_5670



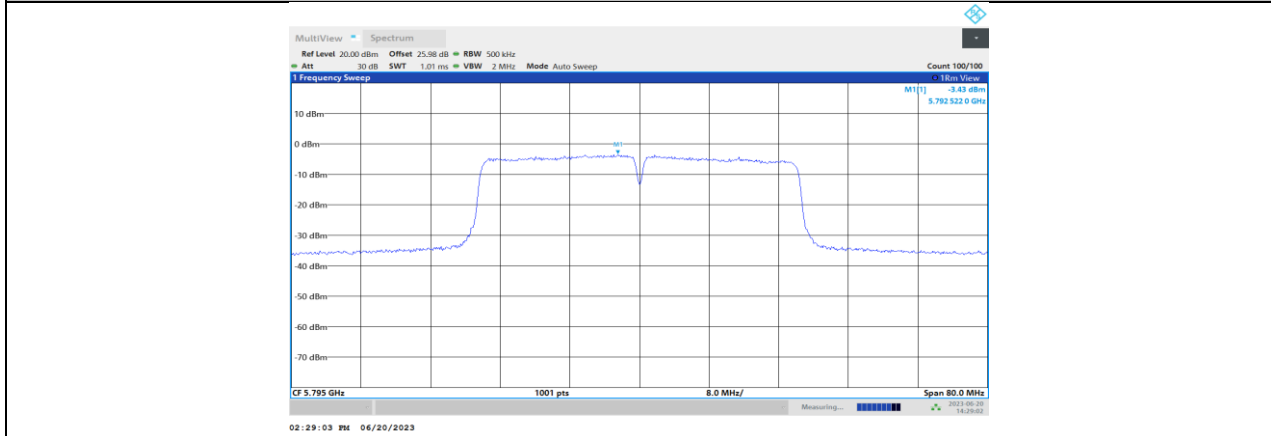
11N40SISO_Ant1_5710_UNII-2C



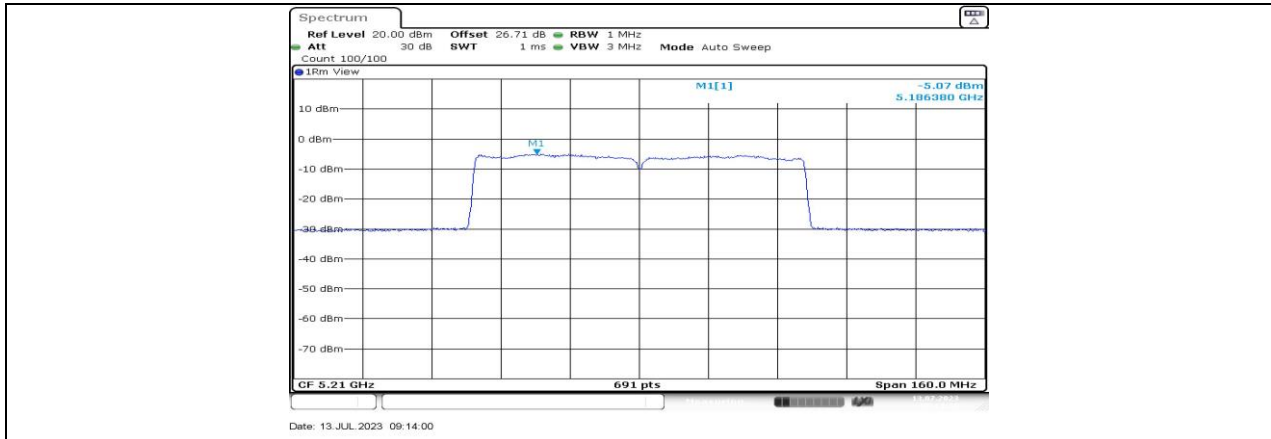
11N40SISO_Ant1_5710_UNII-3



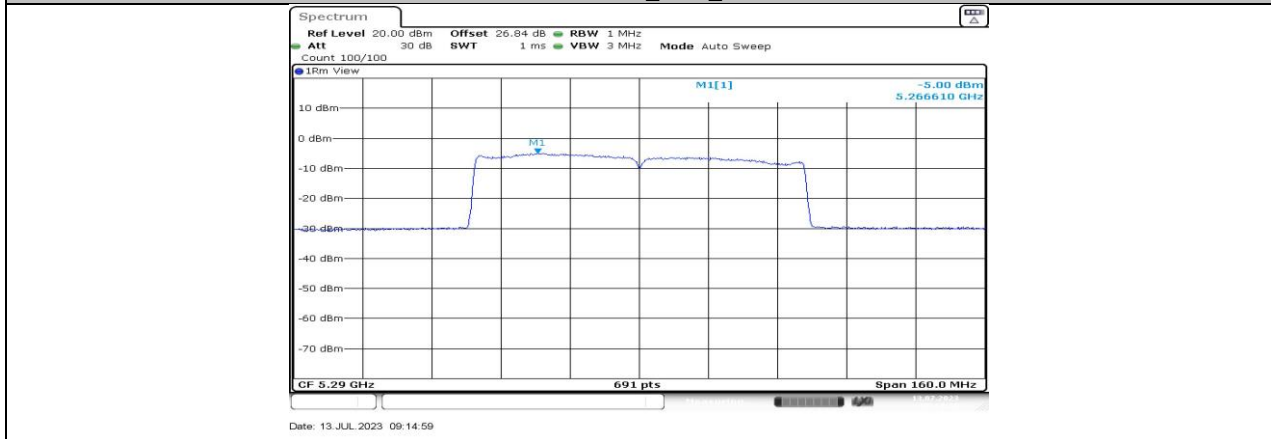
11N40SISO_Ant1_5755



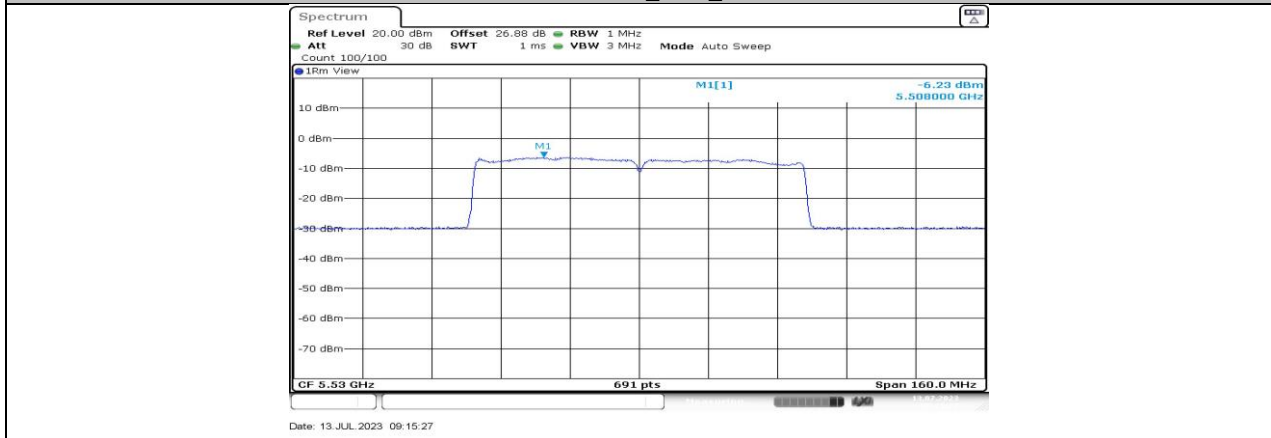
11N40SISO_Ant1_5795



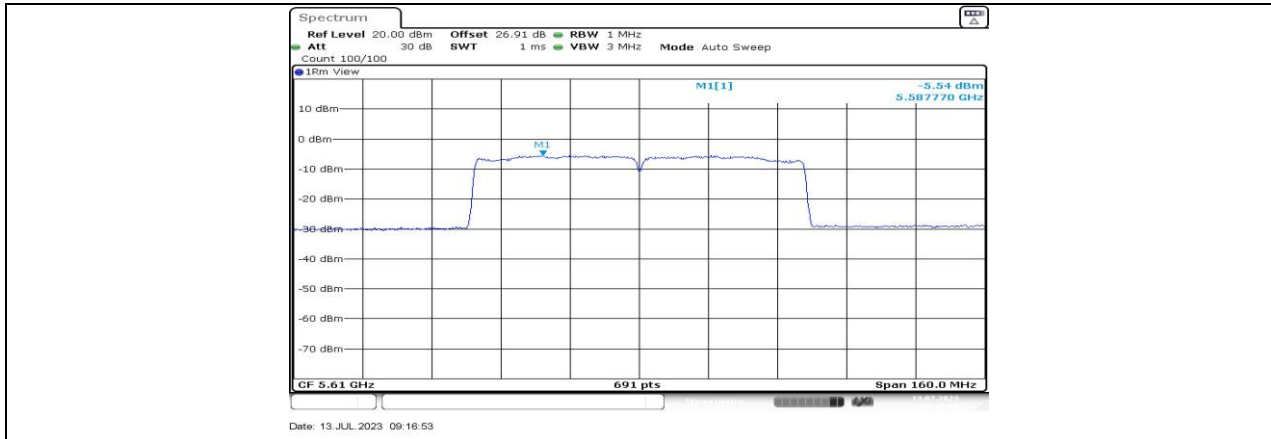
11AC80SISO_Ant1_5210



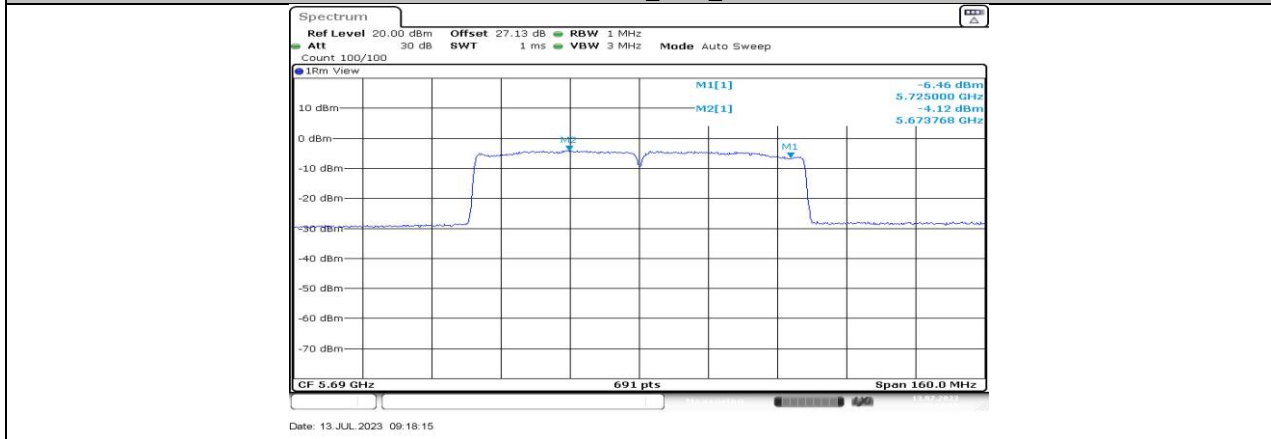
11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



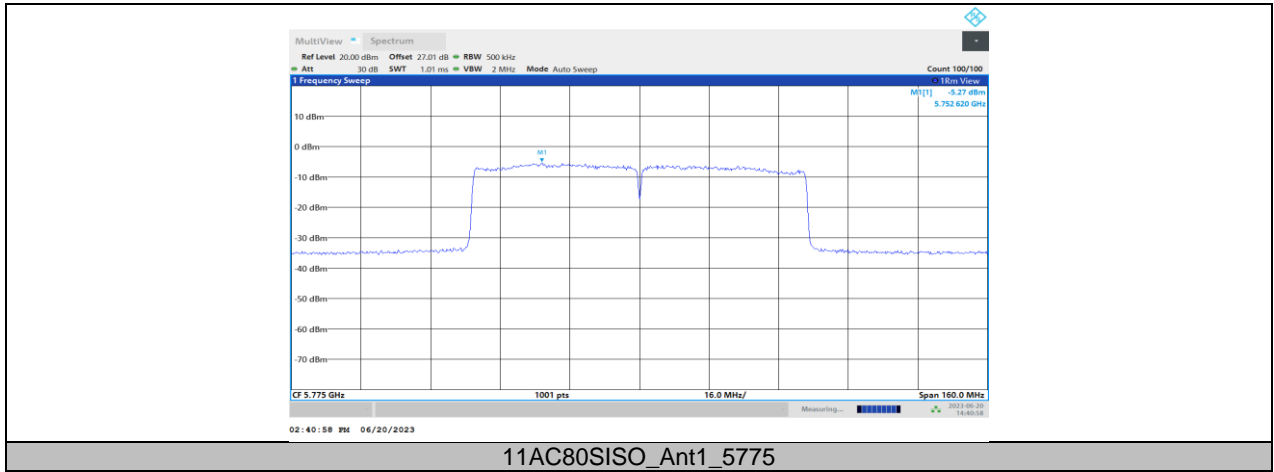
11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5690_UNII-2C



11AC80SISO_Ant1_5690_UNII-3



11AC80SISO_Ant1_5775

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	5199.9878	-2.34	5199.9921	-1.52	5200.0230	4.43	5200.0158	3.04
TN	VN	5200.0240	4.62	5199.9909	-1.76	5200.0176	3.38	5200.0247	4.74
TN	VH	5200.0019	0.37	5200.0033	0.63	5200.0047	0.90	5200.0052	0.99

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)
45	VN	5200.0221	4.25	5199.9753	-4.75	5199.9797	-3.90	5200.0247	4.75
40	VN	5199.9948	-1.00	5200.0166	3.20	5199.9958	-0.80	5200.0161	3.09
30	VN	5199.9843	-3.02	5200.0008	0.16	5200.0062	1.19	5200.0098	1.88
20	VN	5199.9970	-0.57	5200.0245	4.71	5200.0129	2.49	5200.0167	3.22
10	VN	5200.0196	3.77	5199.9834	-3.19	5199.9841	-3.06	5200.0202	3.89
0	VN	5200.0002	0.05	5200.0232	4.45	5200.0085	1.64	5199.9867	-2.55
-10	VN	5199.9838	-3.12	5199.9771	-4.41	5200.0137	2.63	5199.9801	-3.82

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

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	1.48	0.9392	93.92	0.27	0.72	1
11N20SISO	1.31	1.4	0.9357	93.57	0.29	0.76	1
11N40SISO	0.65	0.738	0.8808	88.08	0.55	1.54	2
11AC80SISO	0.32	0.41	0.7561	78.06	1.21	3.13	4

Note:

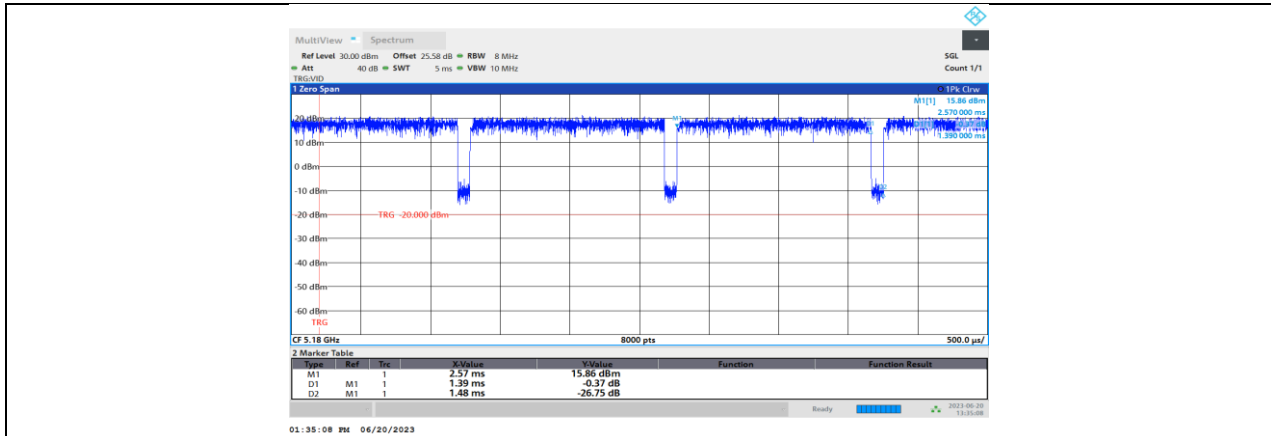
Duty Cycle Correction Factor = $10 \log(1/x)$.

Where: x is Duty Cycle (Linear)

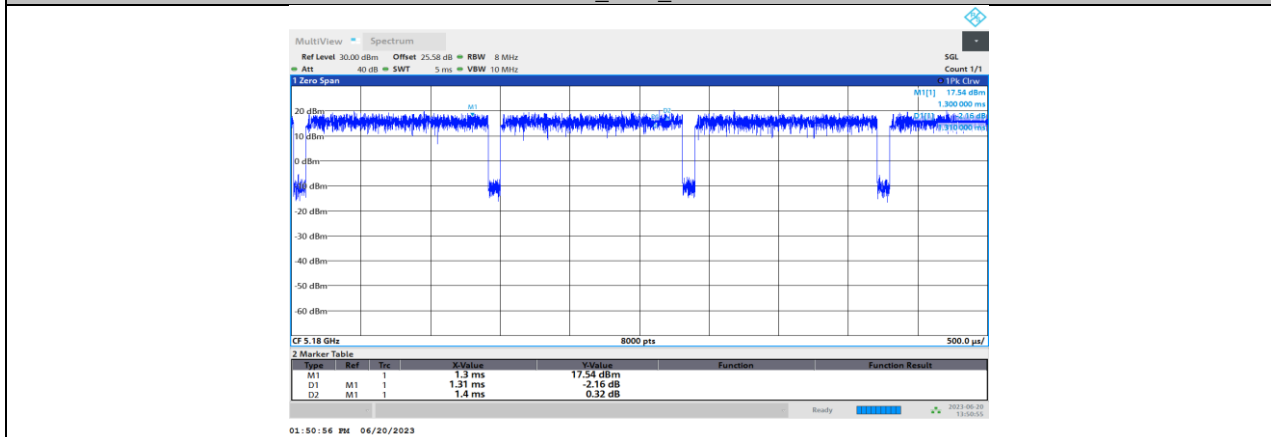
Where: T is On Time

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

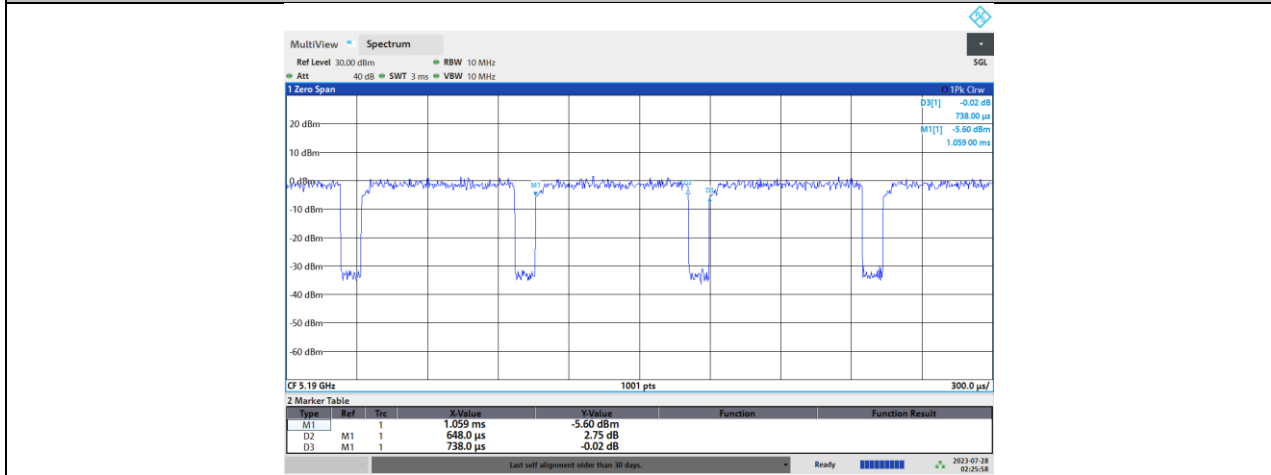
11.7.2. Test Graphs



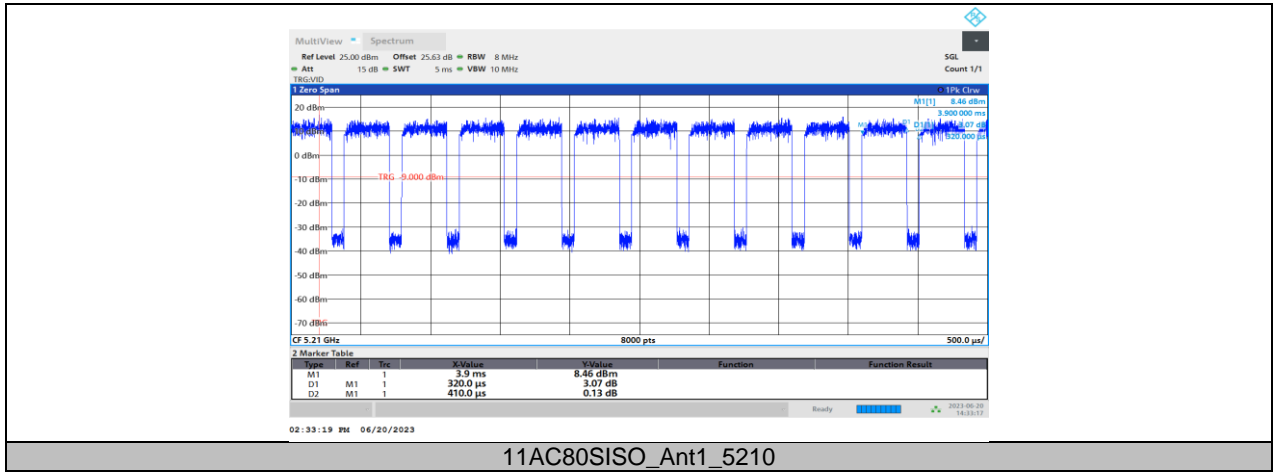
11A_Ant1_5180



11N20SISO_Ant1_5180



11N40SISO_Ant1_5190



11.8. APPENDIX H: DFS DETECTION THRESHOLDS

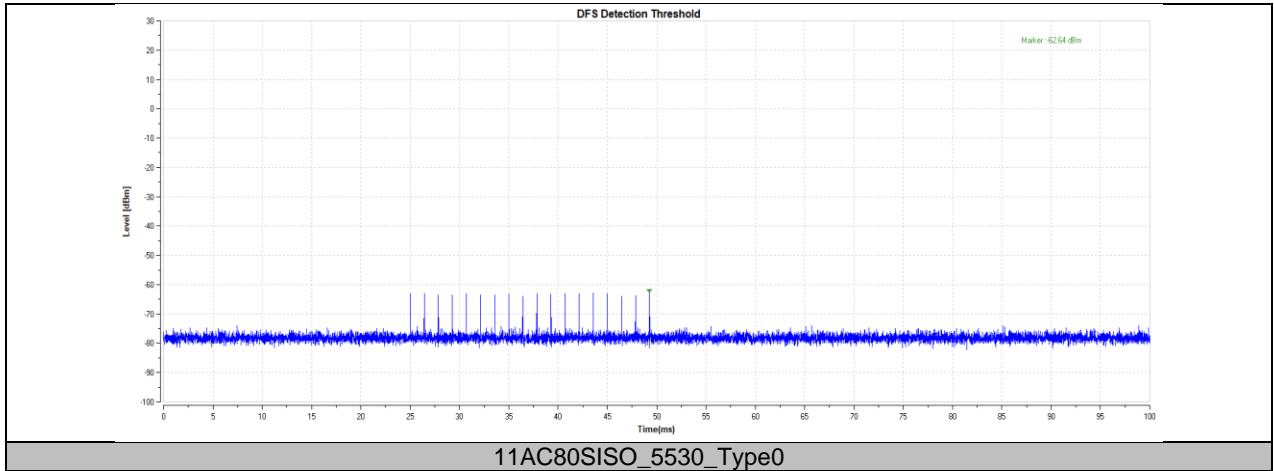
11.8.1. Test Result

Test Mode	Frequency[MHz]	Radar Type	Result	Limit[dbm]	Verdict
11AC80SISO	5530	Type0	-62.64	-56.92	PASS

Note:

1. Refer to 905462 D02 UNII DFS Compliance Procedures New Rules v02 table 2, the test using the widest BW mode available for the link.
2. Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

11.8.2. Test Graphs



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

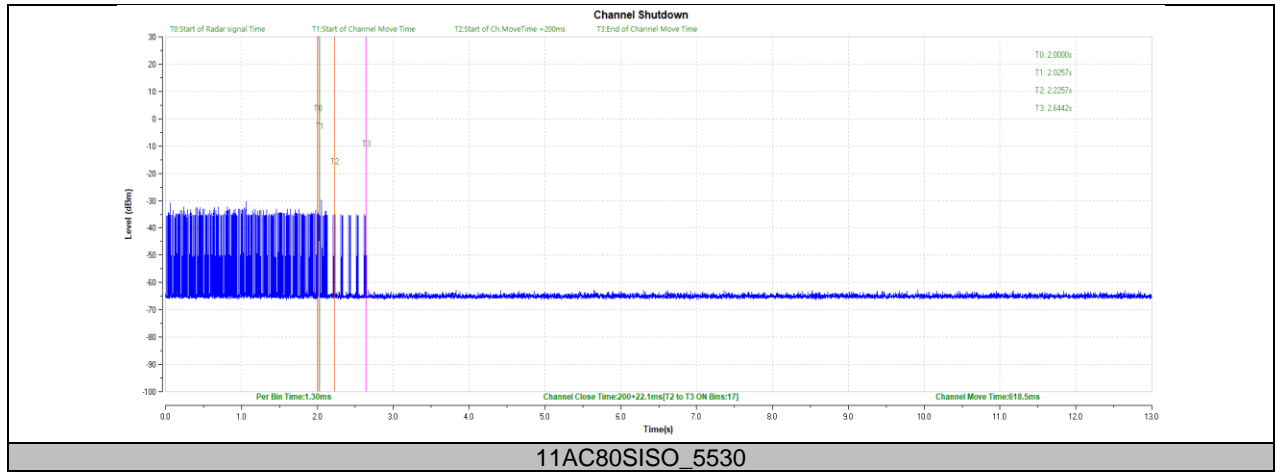
11.9.1. Test Result

Test Mode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5530	200+22.1	200+60	618.5	10000	PASS

Note:

1. Refer to 905462 D02 UNII DFS Compliance Procedures New Rules v02 table 2, the test using the widest BW mode available for the link.
2. Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

11.9.2. Test Graphs



11.10. APPENDIX J: NON-OCCUPANCY PERIOD

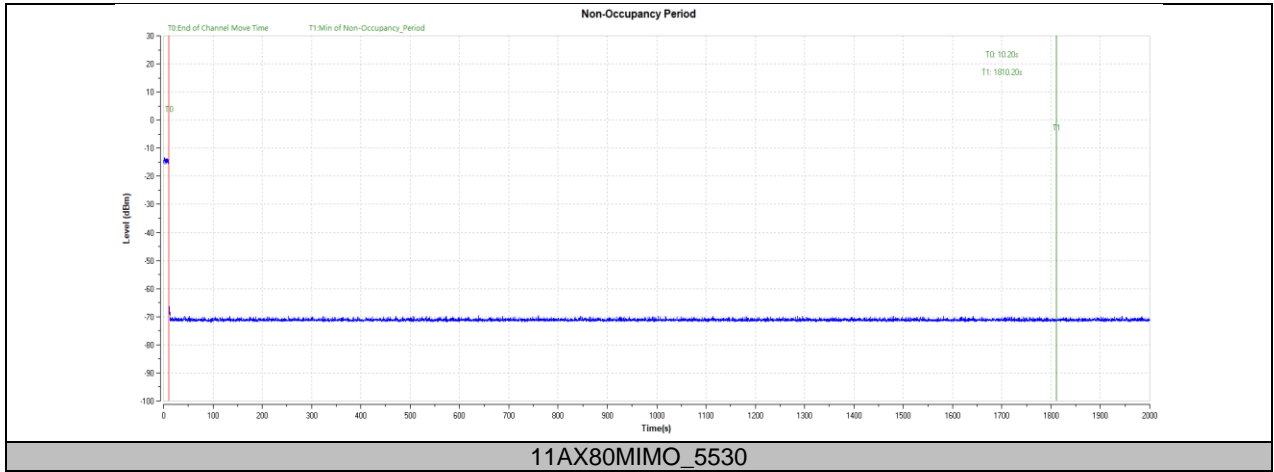
Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AX80MIMO	5530	see test graph	≥1800	PASS

Note:

1. Refer to 905462 D02 UNII DFS Compliance Procedures New Rules v02 table 2, the test using the widest BW mode available for the link.
2. Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

11.10.1. Test Graphs



END OF REPORT