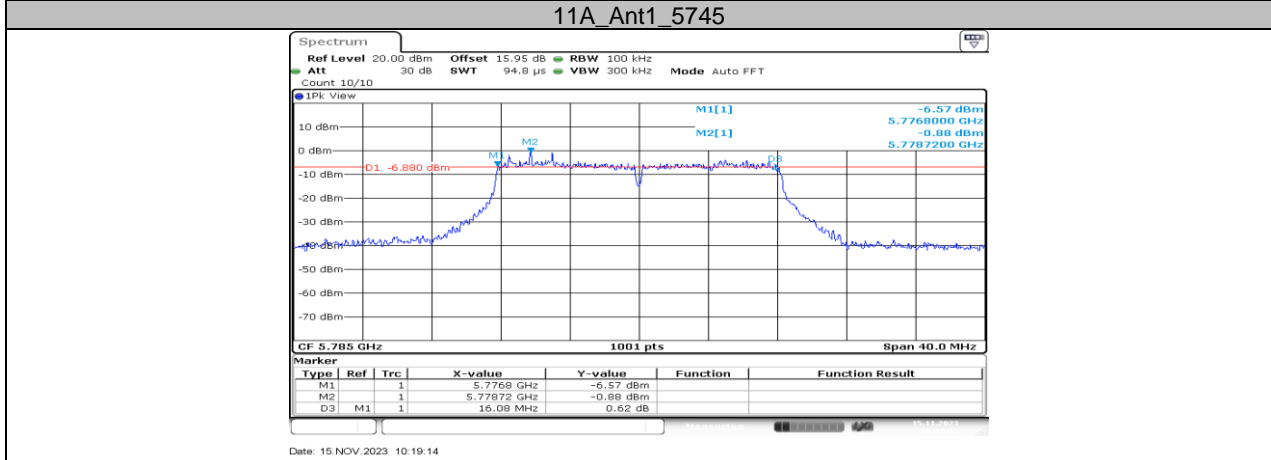
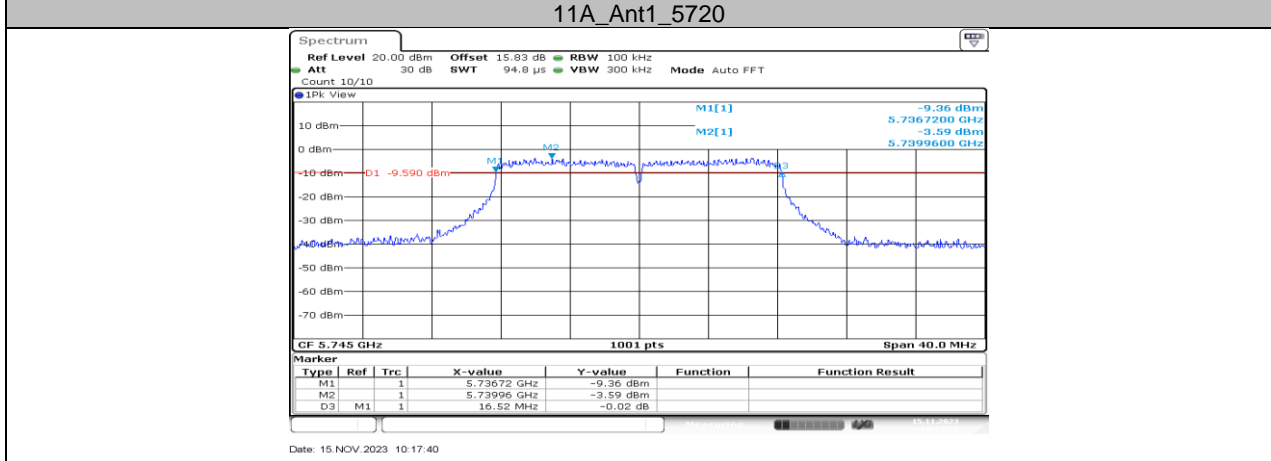
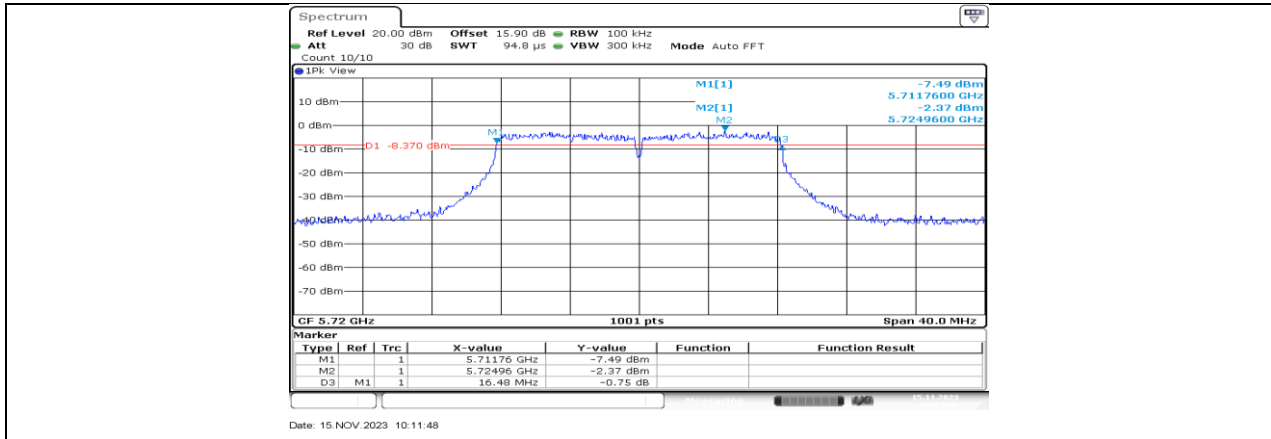


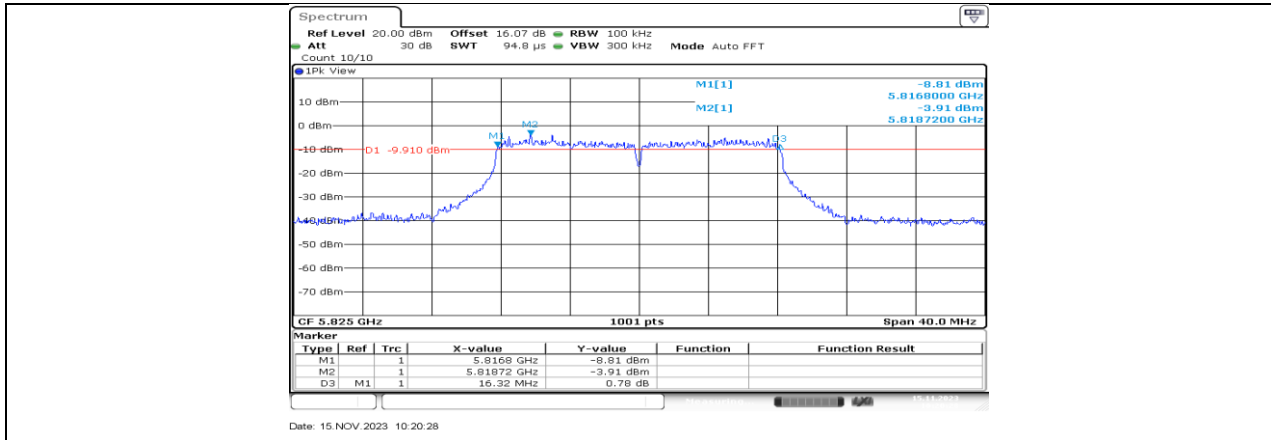
### 11.3. APPENDIX A3: MIN EMISSION BANDWIDTH

#### 11.3.1. Test Result

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	16.48	5711.76	5728.24	≥0.5	PASS
		5720_UNII-3	3.24	5725	5728.24	≥0.5	PASS
		5745	16.52	5736.72	5753.24	≥0.5	PASS
		5785	16.08	5776.80	5792.88	≥0.5	PASS
		5825	16.32	5816.80	5833.12	≥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	16.08	5776.80	5792.88	≥0.5	PASS
		5825	17.28	5816.20	5833.48	≥0.5	PASS
11N40SISO	Ant1	5710	35.20	5692.40	5727.60	≥0.5	PASS
		5710_UNII-3	2.6	5725	5727.60	≥0.5	PASS
		5755	35.12	5737.40	5772.52	≥0.5	PASS
		5795	35.36	5777.24	5812.60	≥0.5	PASS
11AC80SISO	Ant1	5690	72.80	5654.48	5727.28	≥0.5	PASS
		5690_UNII-3	2.28	5725	5727.28	≥0.5	PASS
		5775	75.04	5737.40	5812.44	≥0.5	PASS

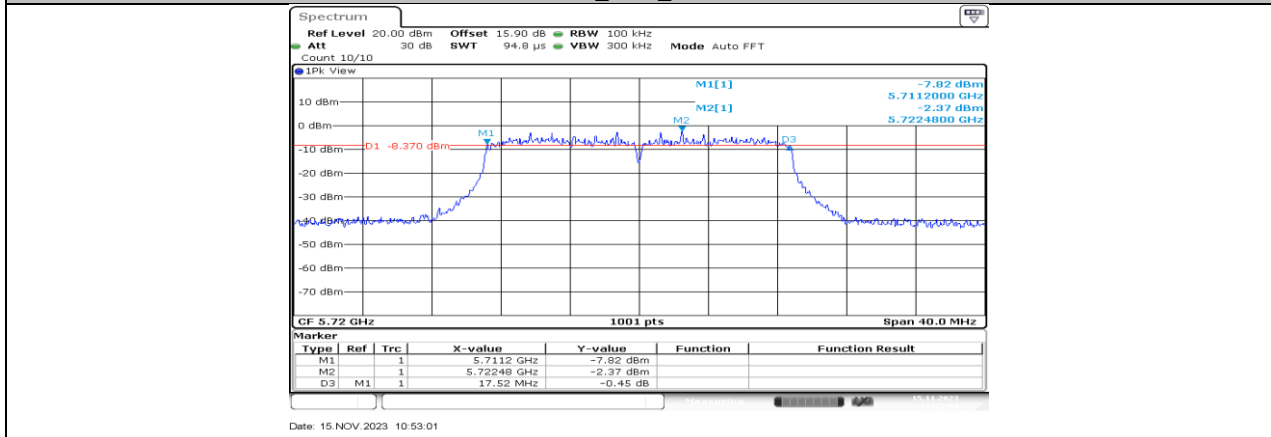
### 11.3.2. Test Graphs





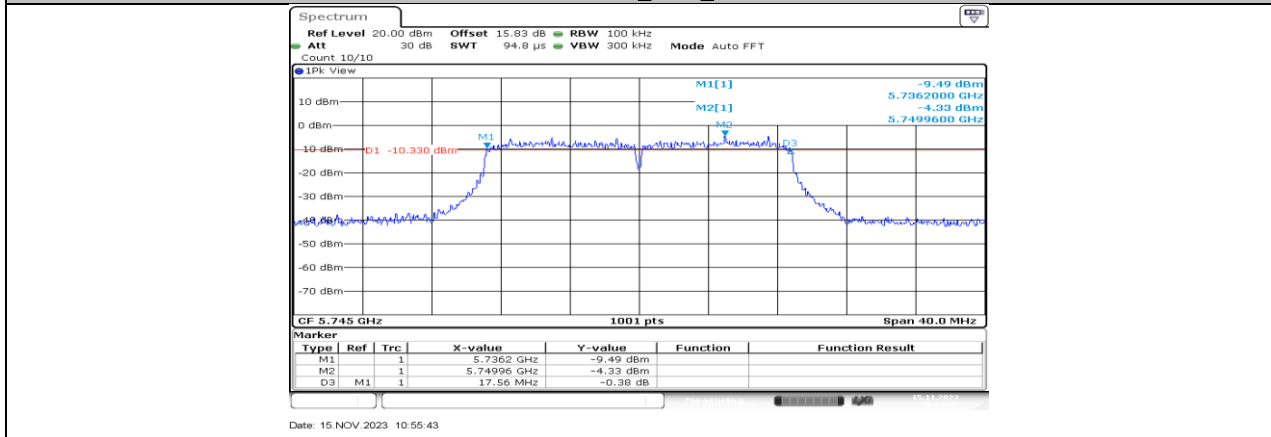
Date: 15.NOV.2023 10:20:28

11A\_Ant1\_5825



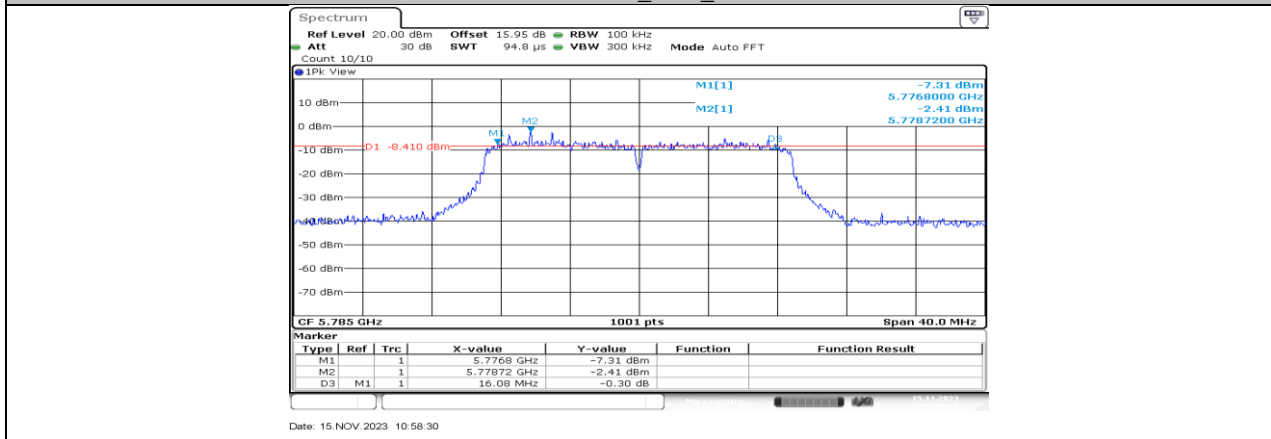
Date: 15.NOV.2023 10:53:01

11N20SISO\_Ant1\_5720

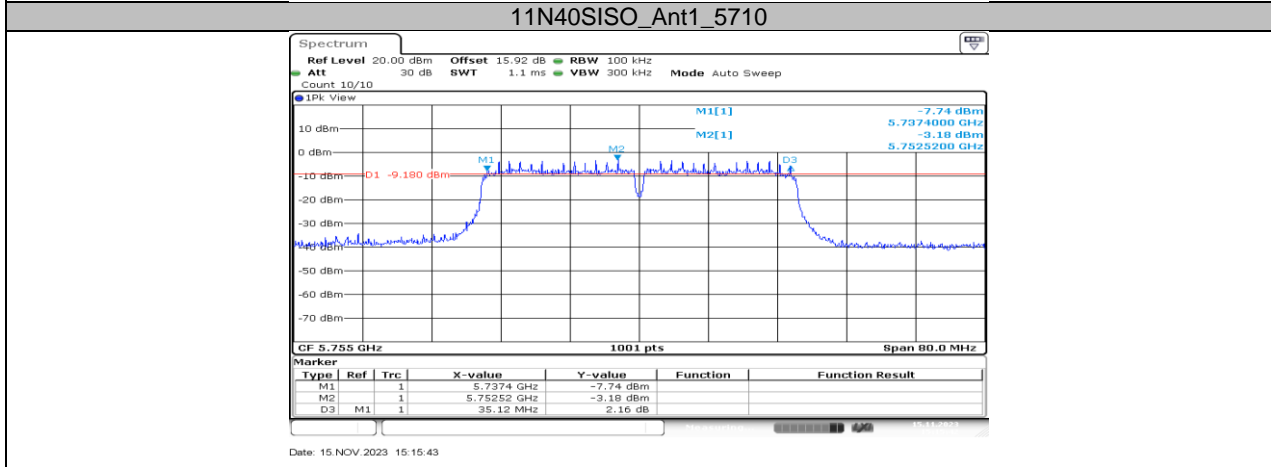
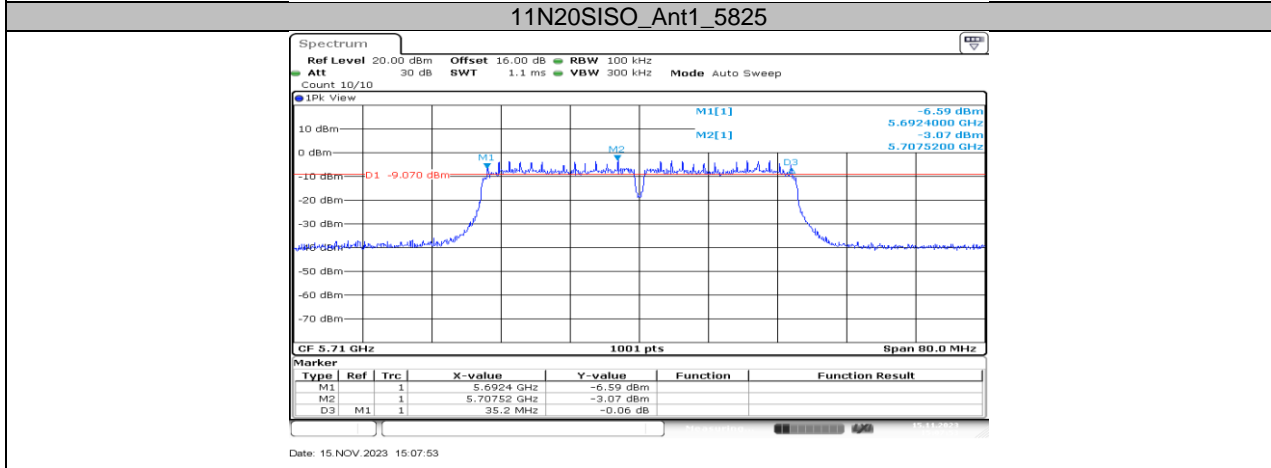
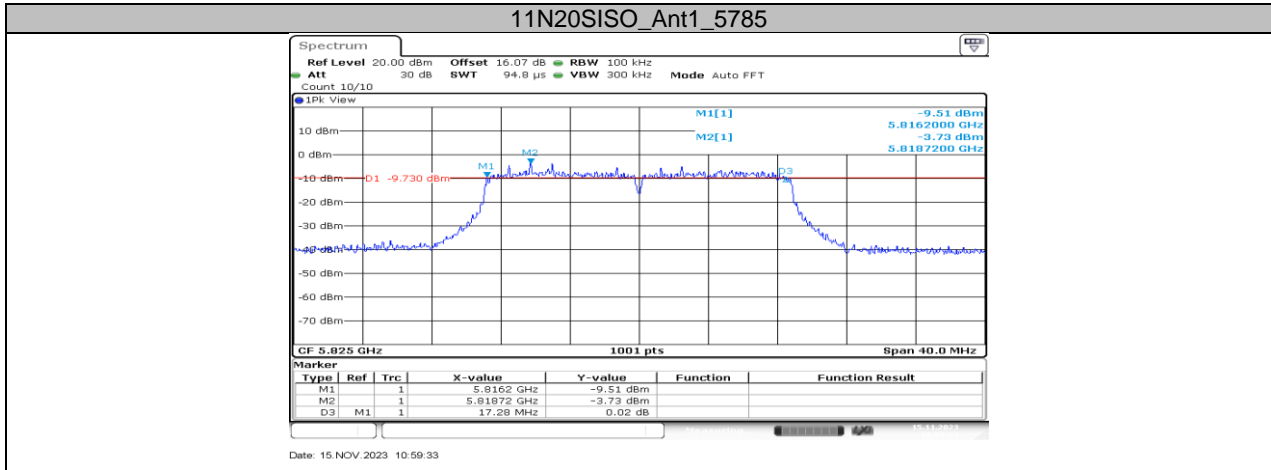


Date: 15.NOV.2023 10:55:43

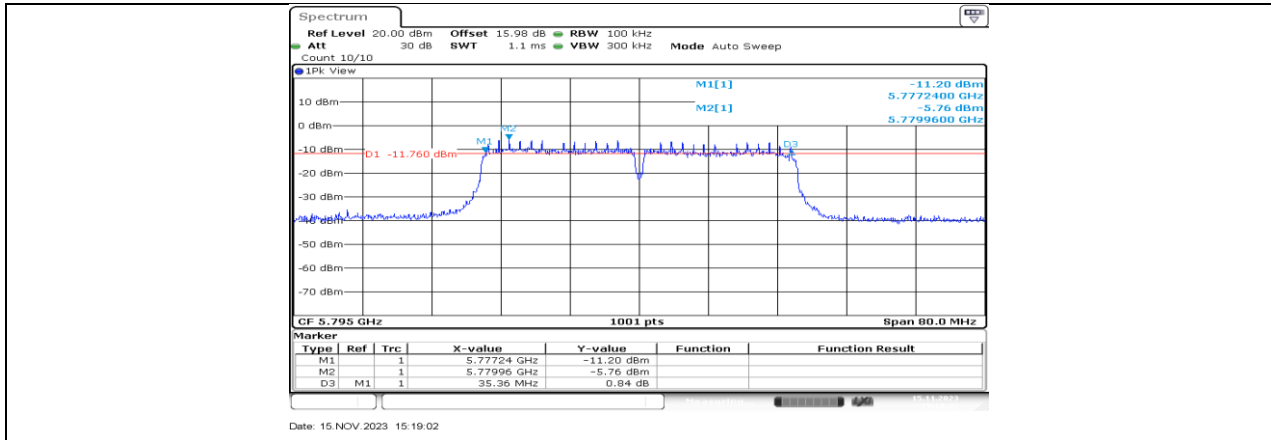
11N20SISO\_Ant1\_5745



Date: 15.NOV.2023 10:58:30

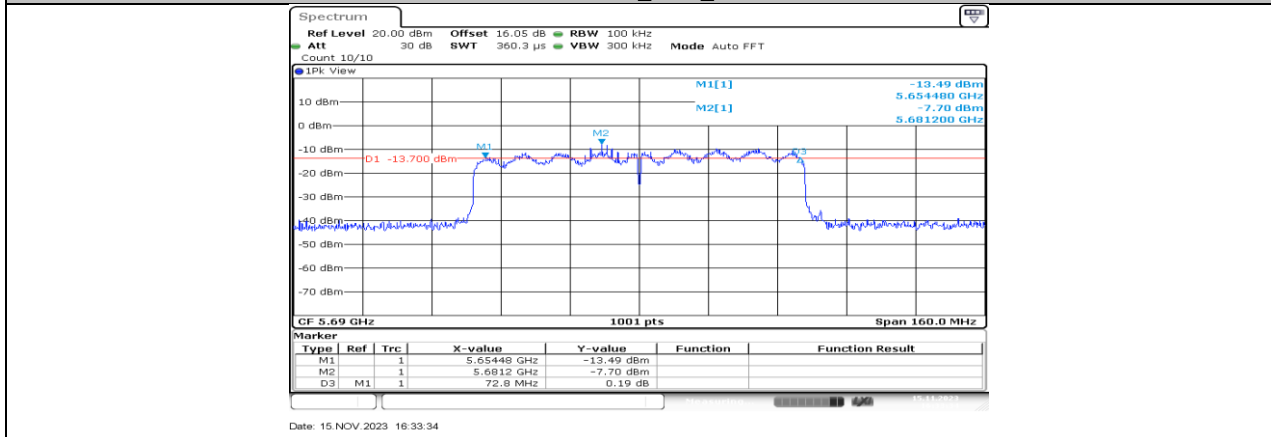


11N40SISO\_Ant1\_5755



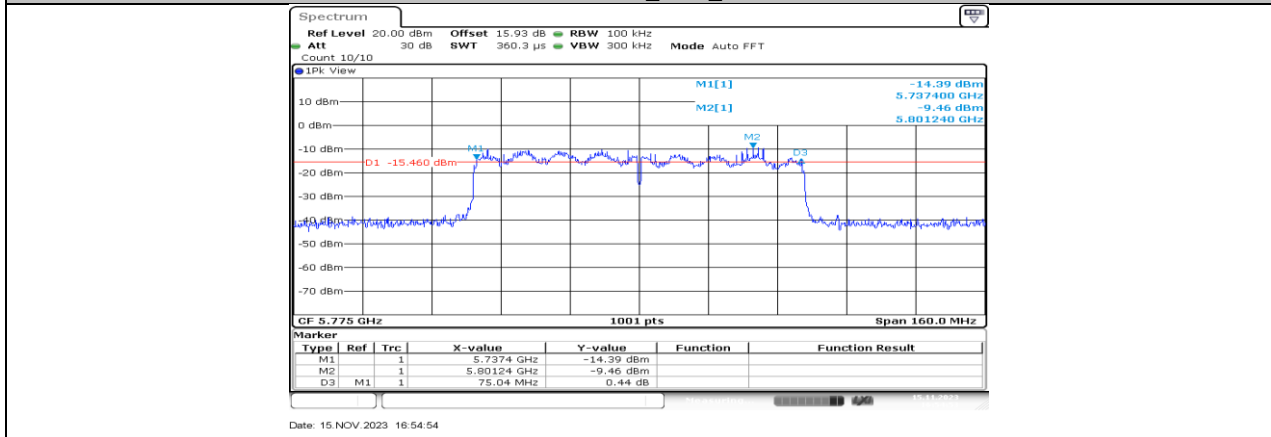
Date: 15.NOV.2023 15:19:02

**11N40SISO\_Ant1\_5795**



Date: 15.NOV.2023 16:33:34

**11AC80SISO\_Ant1\_5690**



Date: 15.NOV.2023 16:54:54

**11AC80SISO\_Ant1\_5775**

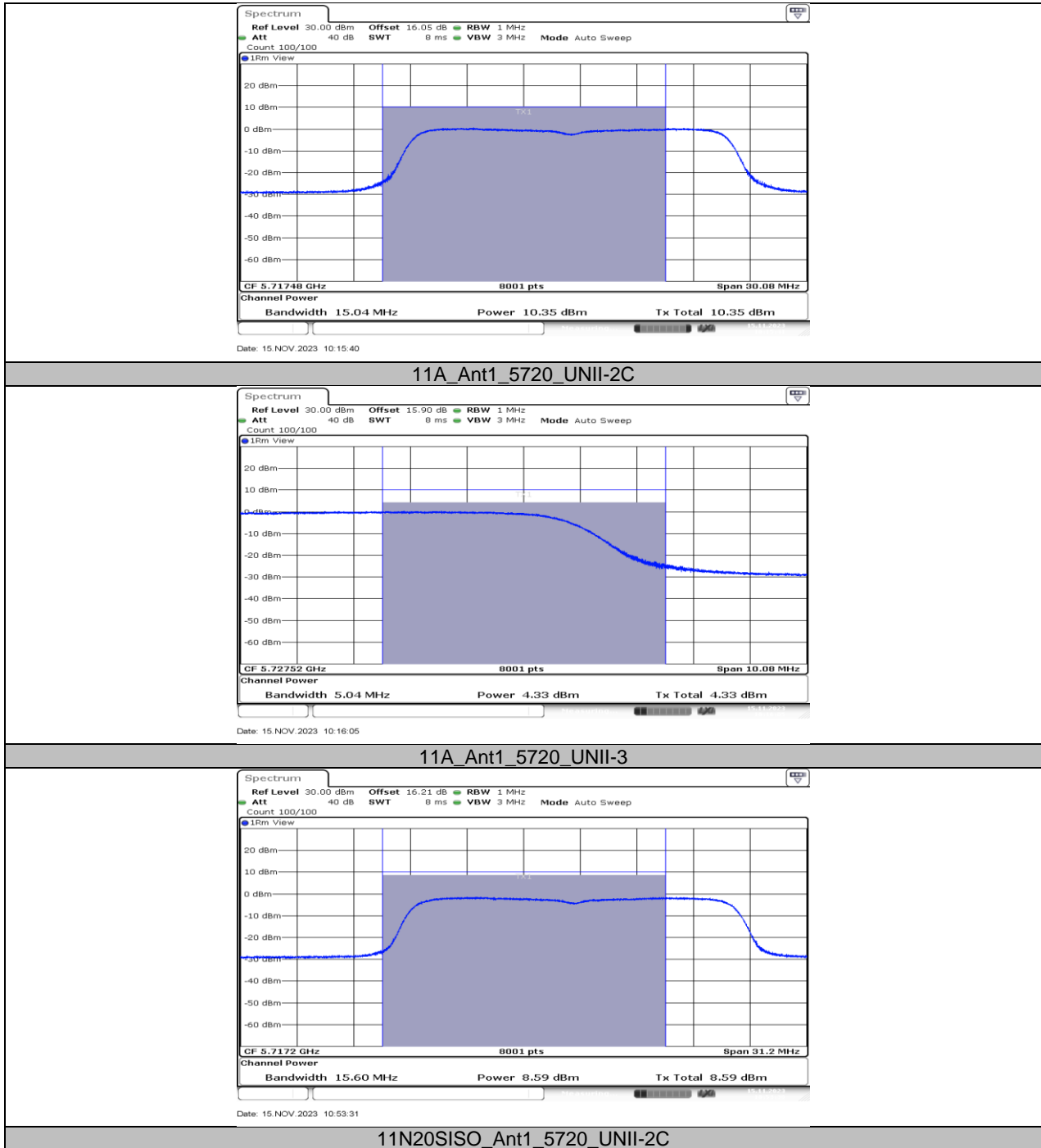
## 11.4. APPENDIX B: MAXIMUM CONDUCTED OUTPUT POWER

### 11.4.1. Test Result

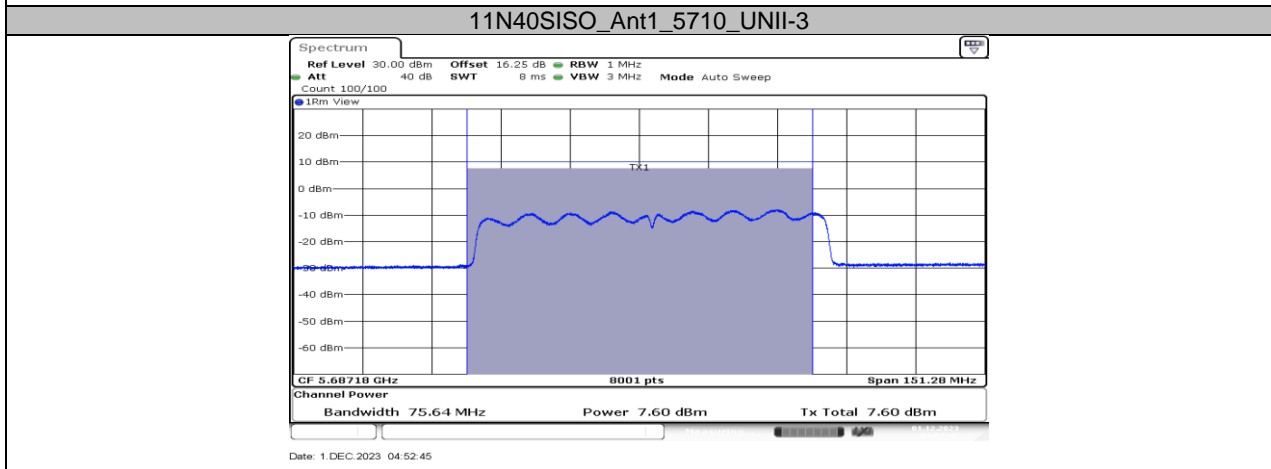
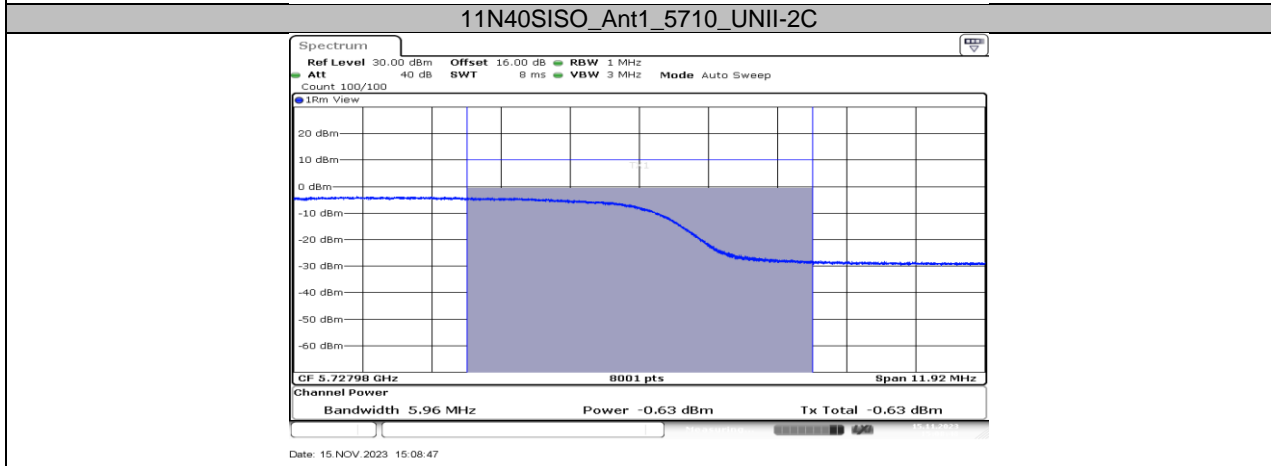
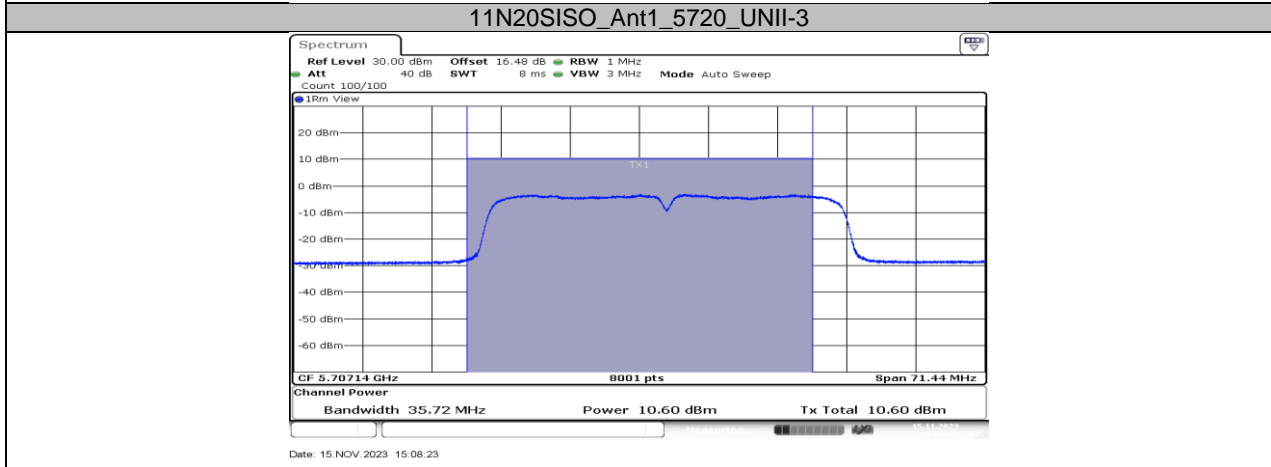
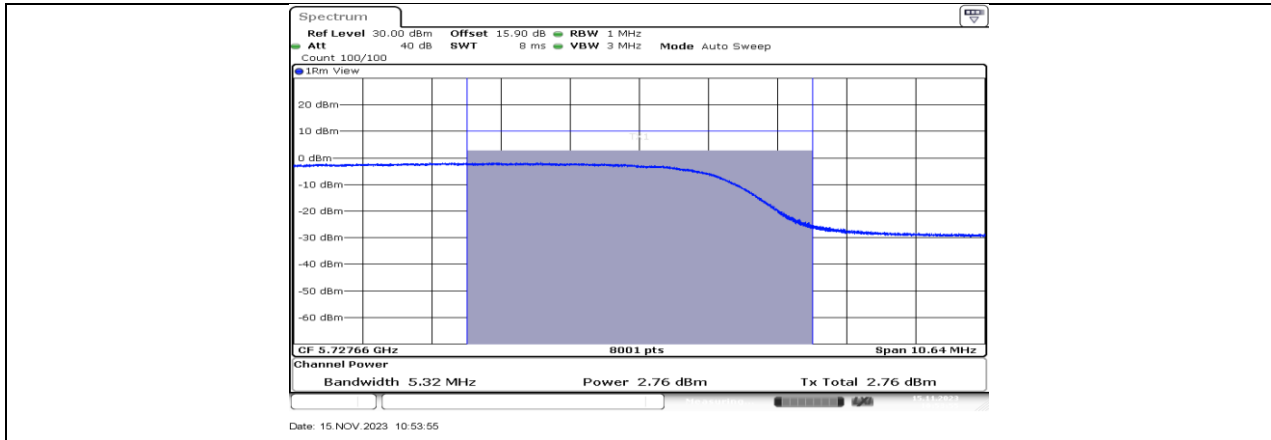
Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.80	≤23.98	---	14.10	≤22.32	PASS
		5200	11.84	≤23.98	---	14.14	≤22.37	PASS
		5240	12.78	≤23.98	---	15.08	≤22.36	PASS
		5260	12.52	≤23.98	≤23.40	14.82	≤29.40	PASS
		5280	12.41	≤23.98	≤23.42	14.71	≤29.42	PASS
		5320	12.77	≤23.98	≤23.39	15.07	≤29.39	PASS
		5500	11.93	≤23.98	≤23.39	14.23	≤29.39	PASS
		5580	12.49	≤23.98	≤23.37	14.79	≤29.37	PASS
		5700	13.02	≤23.98	≤23.37	15.32	≤29.37	PASS
		5720	12.97	≤23.98	≤23.37	15.27	≤29.37	PASS
		5720_UNII-2C	10.35	≤22.77	≤22.37	12.65	≤28.37	PASS
		5720_UNII-3	4.33	≤30.00	≤30.00	6.63	---	PASS
		5745	12.23	≤30.00	≤30.00	14.53	---	PASS
		5785	11.52	≤30.00	≤30.00	13.82	---	PASS
5825	12.32	≤30.00	≤30.00	14.62	---	PASS		
11N20SISO	Ant1	5180	11.39	≤23.98	---	13.69	≤22.57	PASS
		5200	11.83	≤23.98	---	14.13	≤22.58	PASS
		5240	11.66	≤23.98	---	13.96	≤22.59	PASS
		5260	11.39	≤23.98	≤23.59	13.69	≤29.59	PASS
		5280	11.83	≤23.98	≤23.61	14.13	≤29.61	PASS
		5320	11.45	≤23.98	≤23.57	13.75	≤29.57	PASS
		5500	11.01	≤23.98	≤23.59	13.31	≤29.59	PASS
		5580	11.54	≤23.98	≤23.60	13.84	≤29.60	PASS
		5700	11.49	≤23.98	≤23.56	13.79	≤29.56	PASS
		5720_UNII-2C	8.59	≤22.93	≤22.48	10.89	≤28.48	PASS
		5720_UNII-3	2.76	≤30.00	≤30.00	5.06	---	PASS
		5745	11.10	≤30.00	≤30.00	13.40	---	PASS
		5785	10.21	≤30.00	≤30.00	12.51	---	PASS
		5825	11.60	≤30.00	≤30.00	13.90	---	PASS
11N40SISO	Ant1	5190	11.84	≤23.98	---	14.14	≤23.00	PASS
		5230	11.00	≤23.98	---	13.30	≤23.00	PASS
		5270	11.38	≤23.98	≤23.98	13.68	≤30.00	PASS
		5310	10.98	≤23.98	≤23.98	13.28	≤30.00	PASS
		5510	9.97	≤23.98	≤23.98	12.27	≤30.00	PASS
		5550	11.49	≤23.98	≤23.98	13.79	≤30.00	PASS
		5670	10.97	≤23.98	≤23.98	13.27	≤30.00	PASS
		5710_UNII-2C	10.60	≤23.98	≤23.98	12.90	≤30.00	PASS
		5710_UNII-3	-0.63	≤30.00	≤30.00	1.67	---	PASS
		5755	11.29	≤30.00	≤30.00	13.59	---	PASS
5795	11.38	≤30.00	≤30.00	13.68	---	PASS		
11AC80SISO	Ant1	5210	10.00	≤23.98	≤20.71	12.30	≤23.00	PASS
		5290	10.53	≤23.98	≤23.98	12.83	≤30.00	PASS
		5530	7.44	≤23.98	≤23.98	9.74	≤30.00	PASS
		5610	8.30	≤23.98	≤23.98	10.60	≤30.00	PASS
		5690_UNII-2C	7.60	≤23.98	≤23.98	9.90	≤30.00	PASS
		5690_UNII-3	-5.57	≤30.00	≤30.00	-3.27	---	PASS
		5775	9.94	≤30.00	≤30.00	12.24	---	PASS

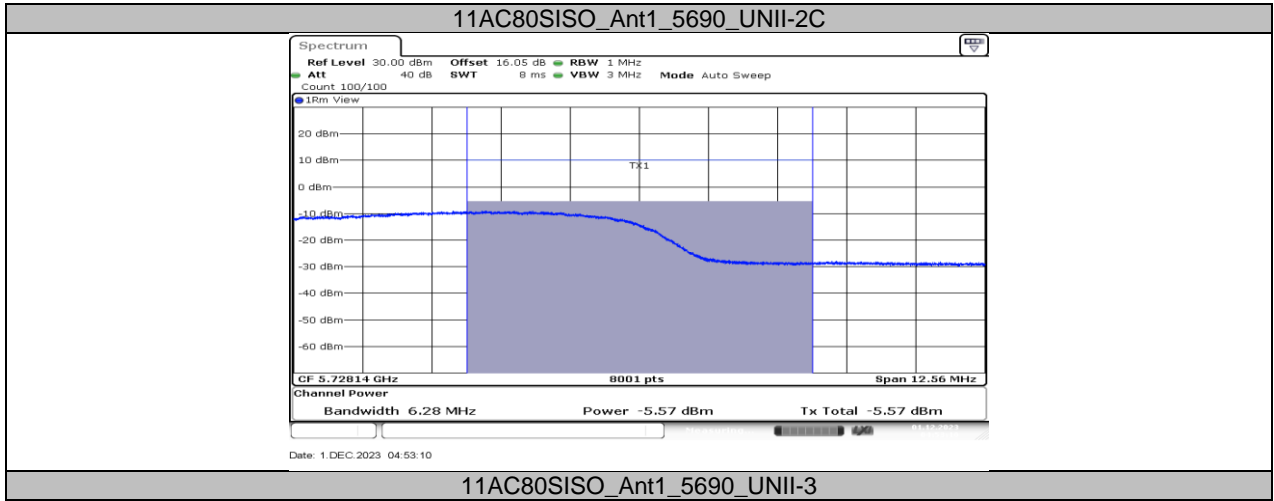
Note: The Duty Cycle Factor is compensated in the graph.

### 11.4.2. Test Graphs









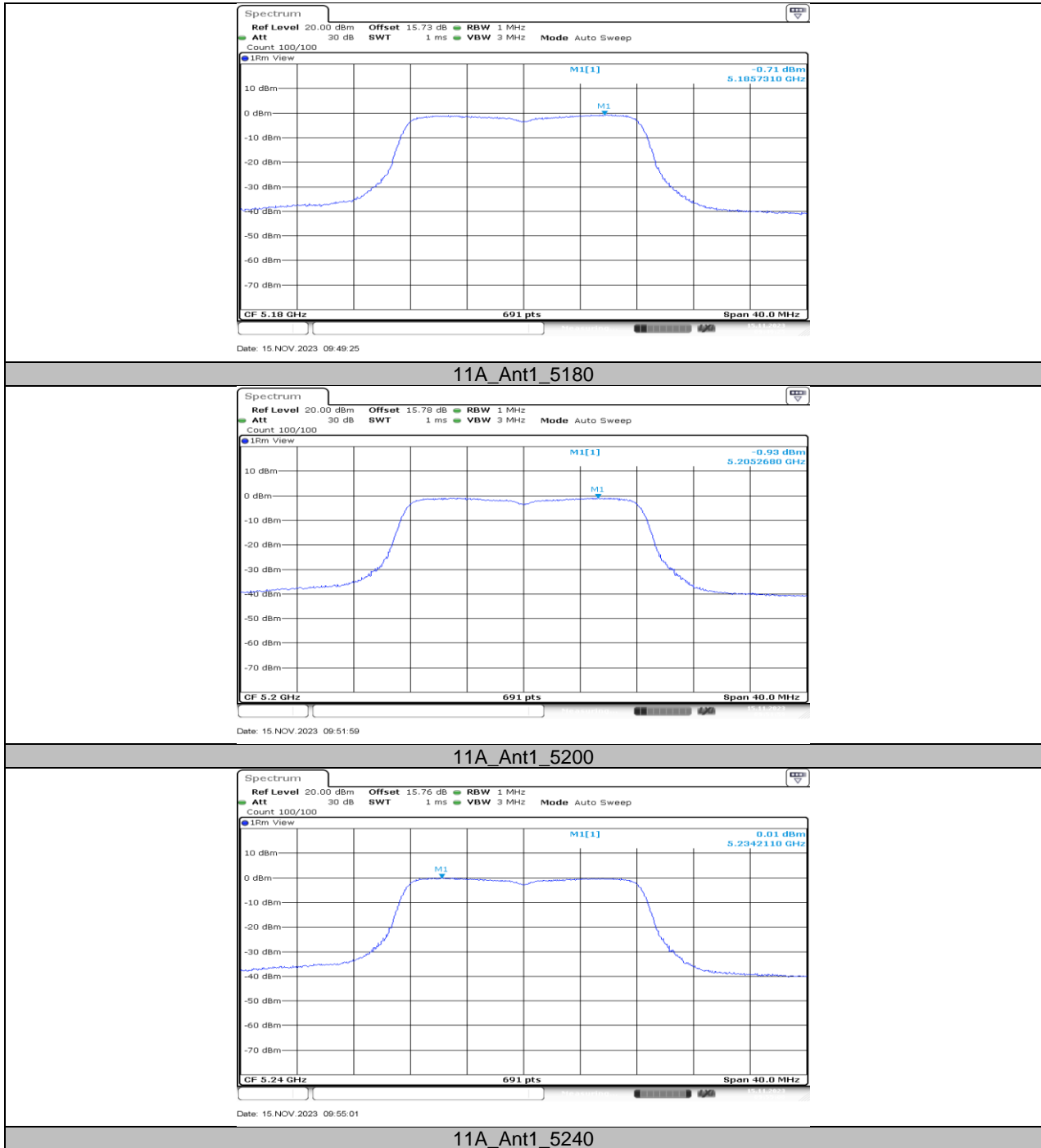
## 11.5. APPENDIX C: MAXIMUM POWER SPECTRAL DENSITY

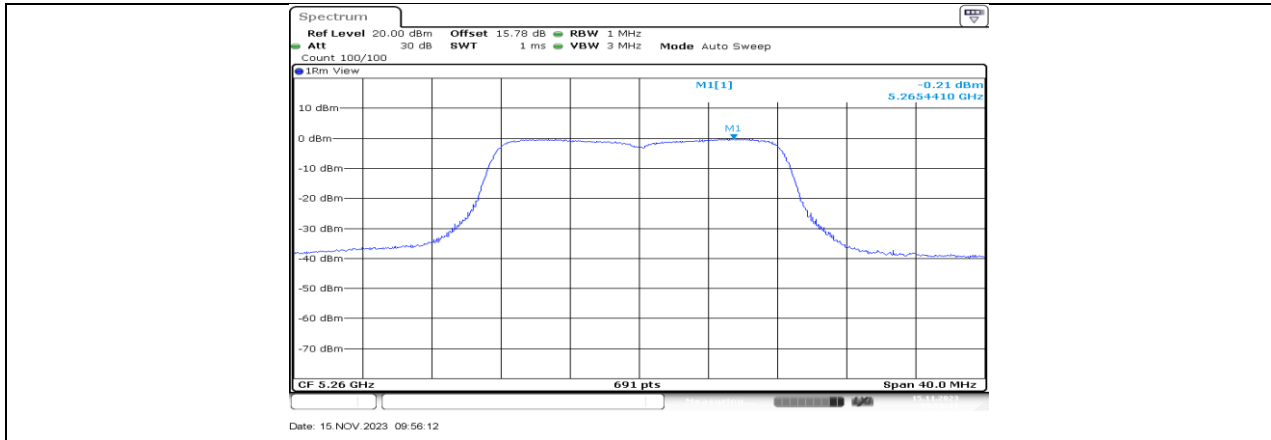
### 11.5.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	-0.71	≤11.00	1.59	≤10.00	PASS
		5200	-0.93	≤11.00	1.37	≤10.00	PASS
		5240	0.01	≤11.00	2.31	≤10.00	PASS
		5260	-0.21	≤11.00	2.09	---	PASS
		5280	-0.30	≤11.00	2.00	---	PASS
		5320	-0.11	≤11.00	2.19	---	PASS
		5500	-0.98	≤11.00	1.32	---	PASS
		5580	-0.39	≤11.00	1.91	---	PASS
		5700	0.47	≤11.00	2.77	---	PASS
		5720_UNII-2C	0.30	≤11.00	2.60	---	PASS
		5720_UNII-3	-2.72	≤30.00	-0.42	---	PASS
		5745	-3.65	≤30.00	-1.35	---	PASS
		5785	-3.88	≤30.00	-1.58	---	PASS
5825	-3.89	≤30.00	-1.59	---	PASS		
11N20SISO	Ant1	5180	-1.48	≤11.00	0.82	≤10.00	PASS
		5200	-1.41	≤11.00	0.89	≤10.00	PASS
		5240	-1.10	≤11.00	1.20	≤10.00	PASS
		5260	-1.33	≤11.00	0.97	---	PASS
		5280	-1.10	≤11.00	1.20	---	PASS
		5320	-1.39	≤11.00	0.91	---	PASS
		5500	-2.03	≤11.00	0.27	---	PASS
		5580	-1.38	≤11.00	0.92	---	PASS
		5700	-1.58	≤11.00	0.72	---	PASS
		5720_UNII-2C	-1.72	≤11.00	0.58	---	PASS
		5720_UNII-3	-4.83	≤30.00	-2.53	---	PASS
		5745	-4.81	≤30.00	-2.51	---	PASS
		5785	-5.53	≤30.00	-3.23	---	PASS
5825	-4.79	≤30.00	-2.49	---	PASS		
11N40SISO	Ant1	5190	-4.28	≤11.00	-1.98	≤10.00	PASS
		5230	-4.44	≤11.00	-2.14	≤10.00	PASS
		5270	-4.49	≤11.00	-2.19	---	PASS
		5310	-4.88	≤11.00	-2.58	---	PASS
		5510	-6.07	≤11.00	-3.77	---	PASS
		5550	-3.50	≤11.00	-1.20	---	PASS
		5670	-4.00	≤11.00	-1.70	---	PASS
		5710_UNII-2C	-3.45	≤11.00	-1.15	---	PASS
		5710_UNII-3	-6.91	≤30.00	-4.61	---	PASS
		5755	-7.58	≤30.00	-5.28	---	PASS
5795	-6.82	≤30.00	-4.52	---	PASS		
11AC80SISO	Ant1	5210	-7.61	≤11.00	-5.31	≤10.00	PASS
		5290	-6.21	≤11.00	-3.91	---	PASS
		5530	-9.44	≤11.00	-7.14	---	PASS
		5610	-8.70	≤11.00	-6.40	---	PASS
		5690_UNII-2C	-8.23	≤11.00	-5.93	---	PASS
		5690_UNII-3	-11.60	≤30.00	-9.30	---	PASS
		5775	-10.43	≤30.00	-8.13	---	PASS

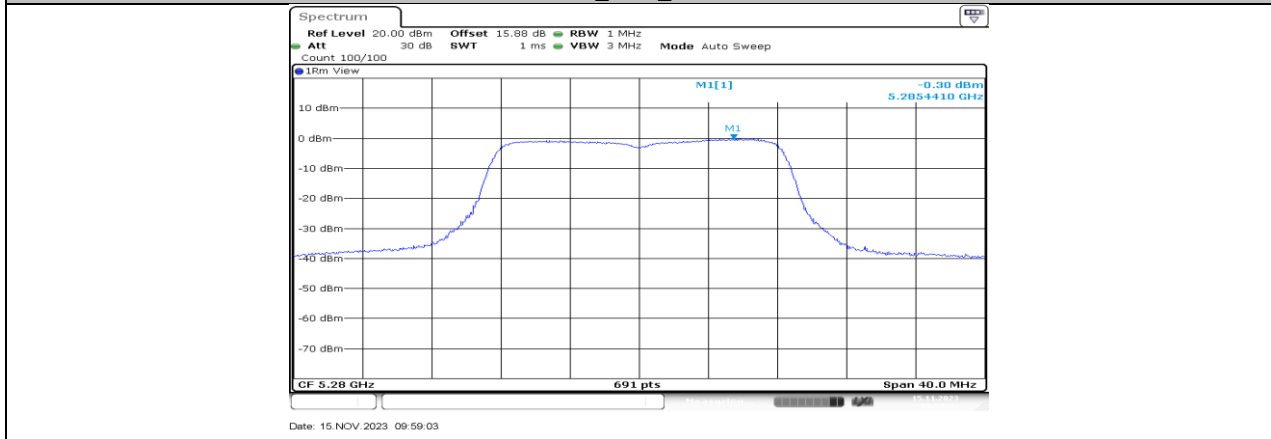
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

### 11.5.2. Test Graphs

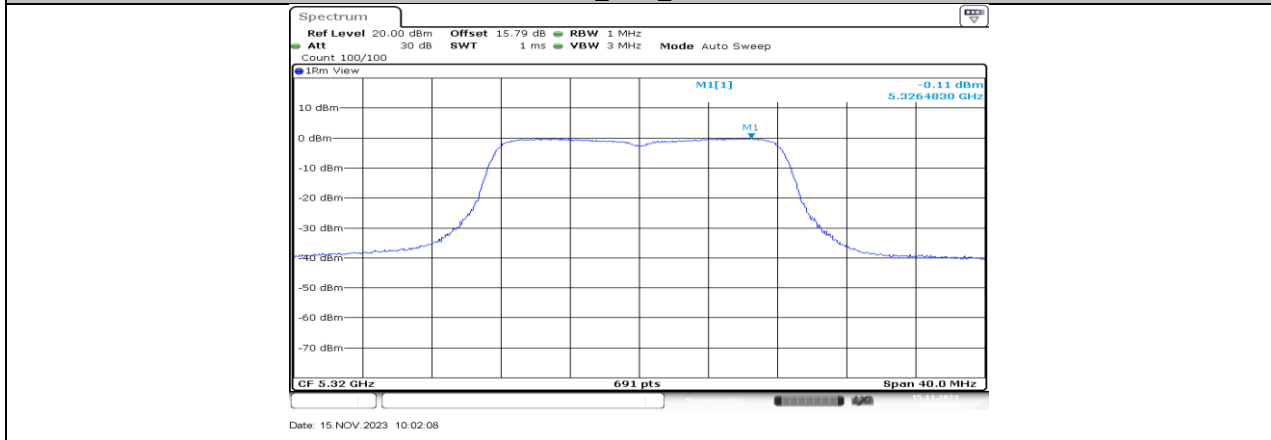




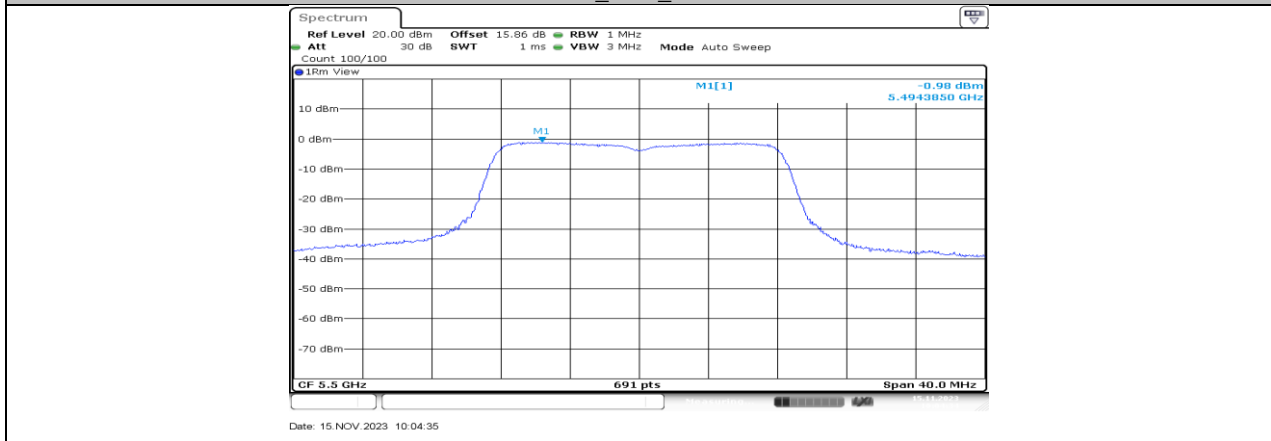
11A\_Ant1\_5260

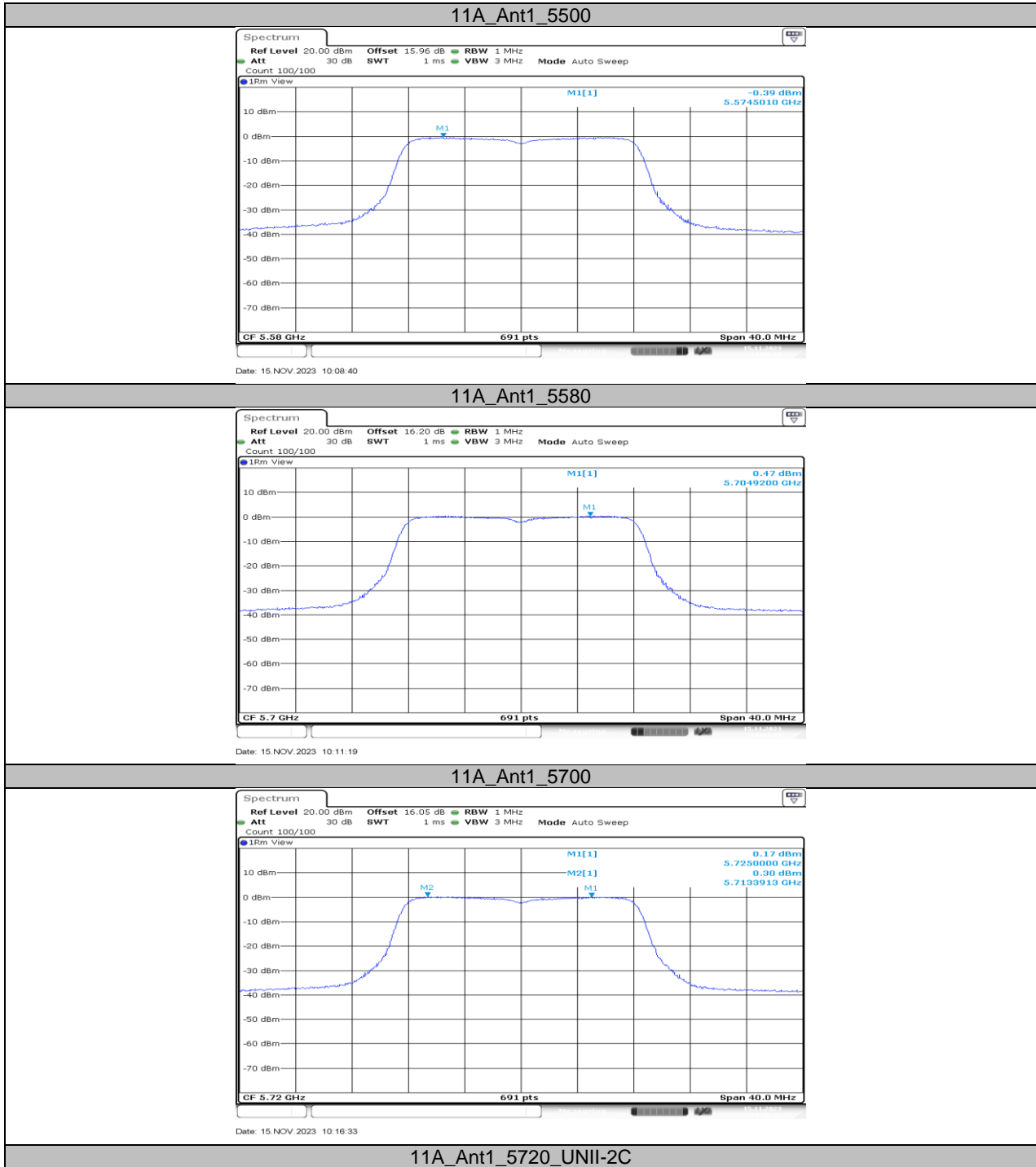


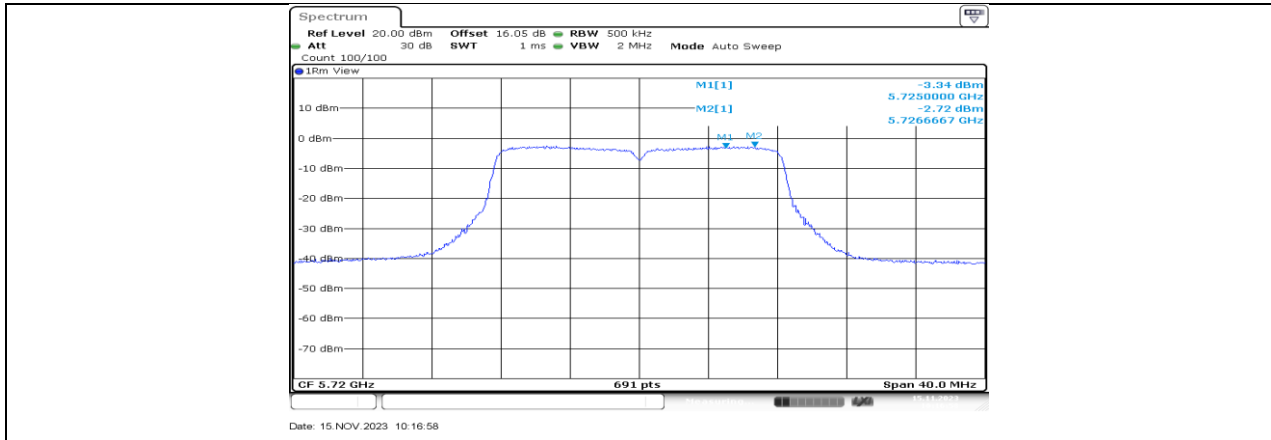
11A\_Ant1\_5280



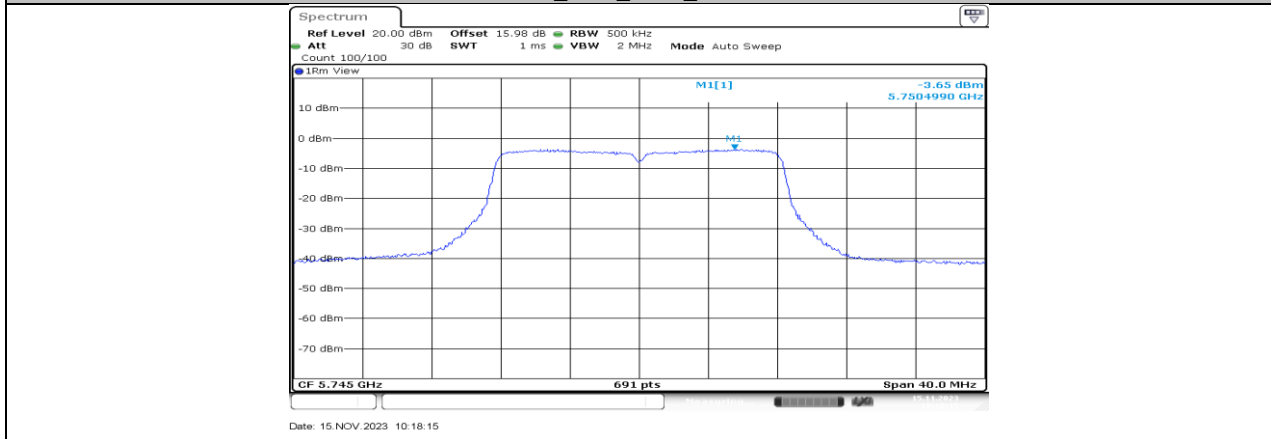
11A\_Ant1\_5320



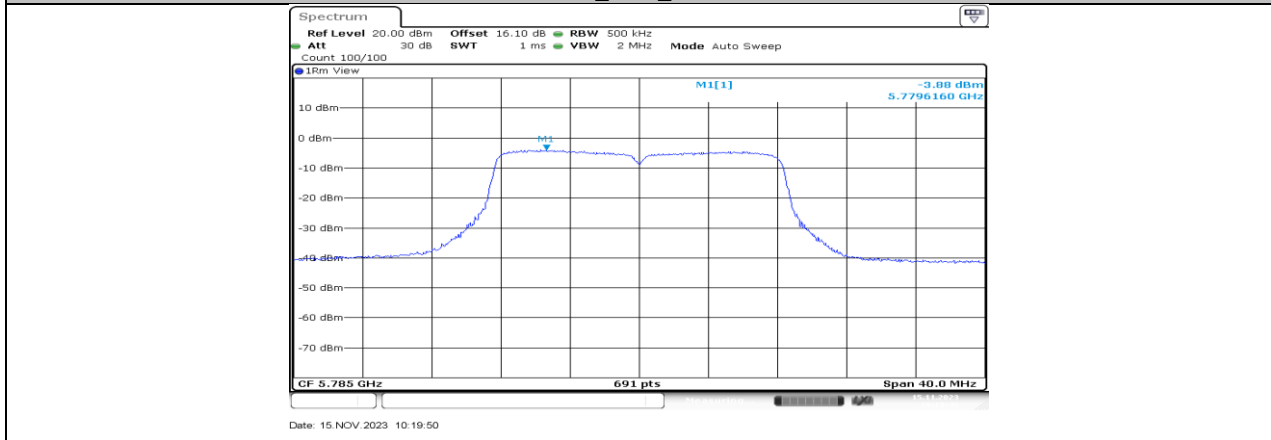




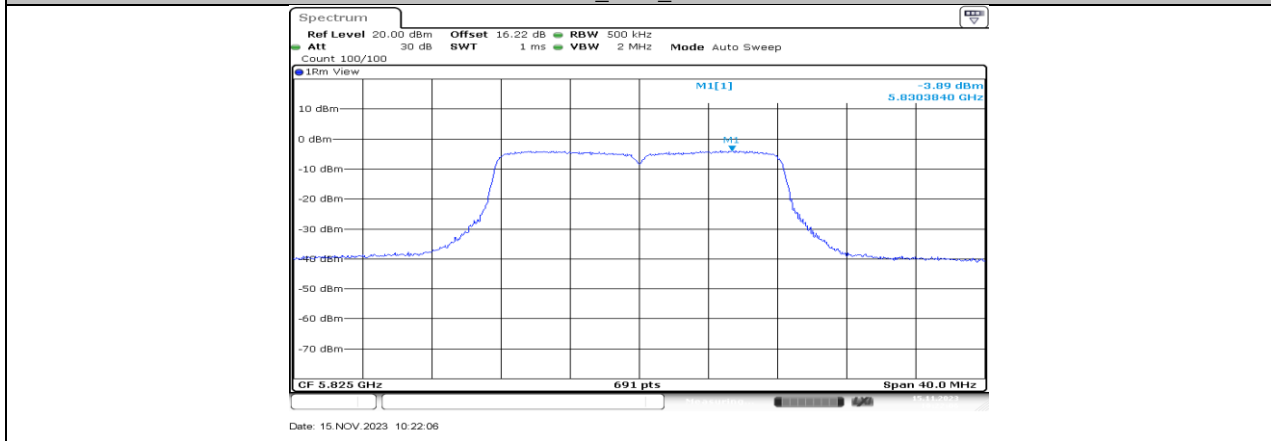
11A\_Ant1\_5720\_UNII-3

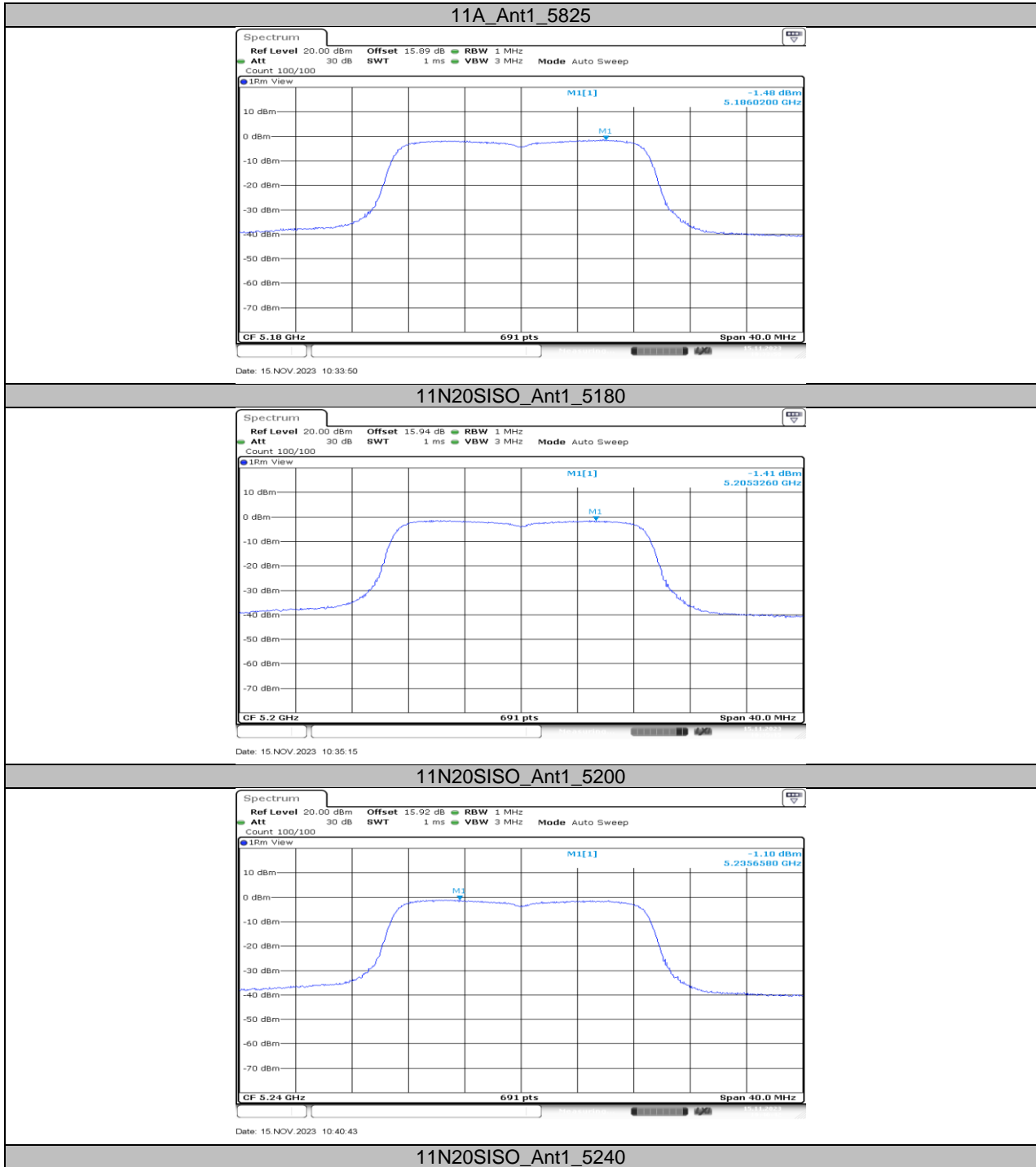


11A\_Ant1\_5745

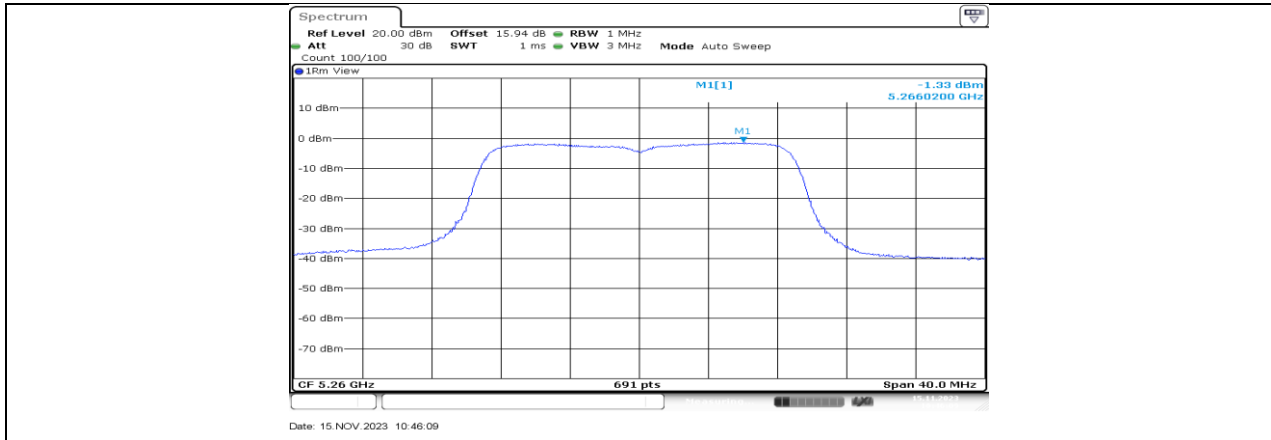


11A\_Ant1\_5785

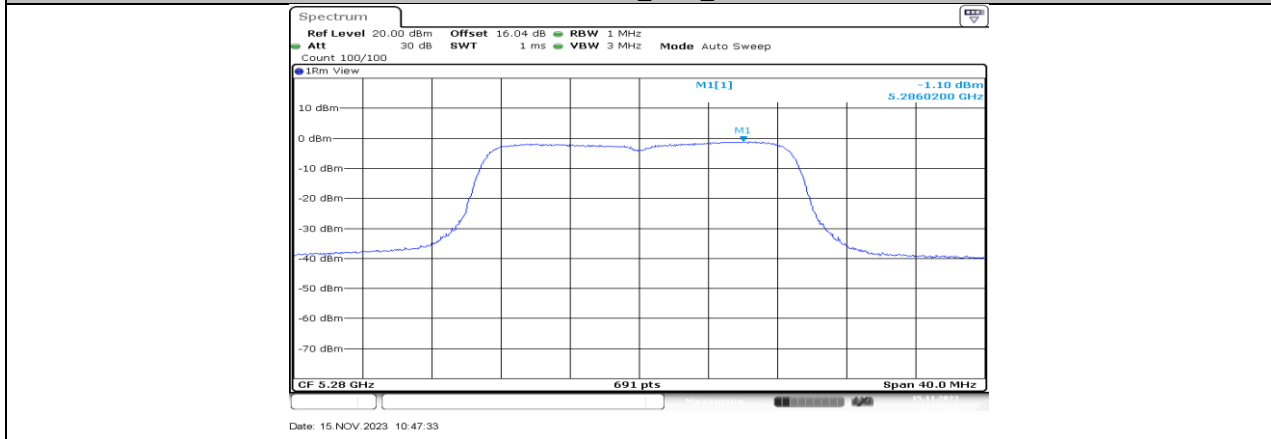




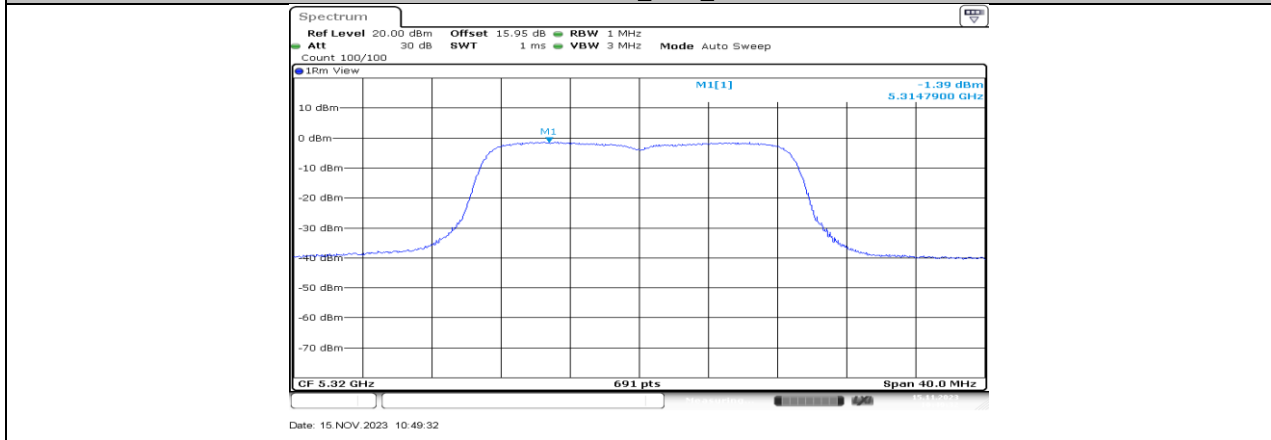




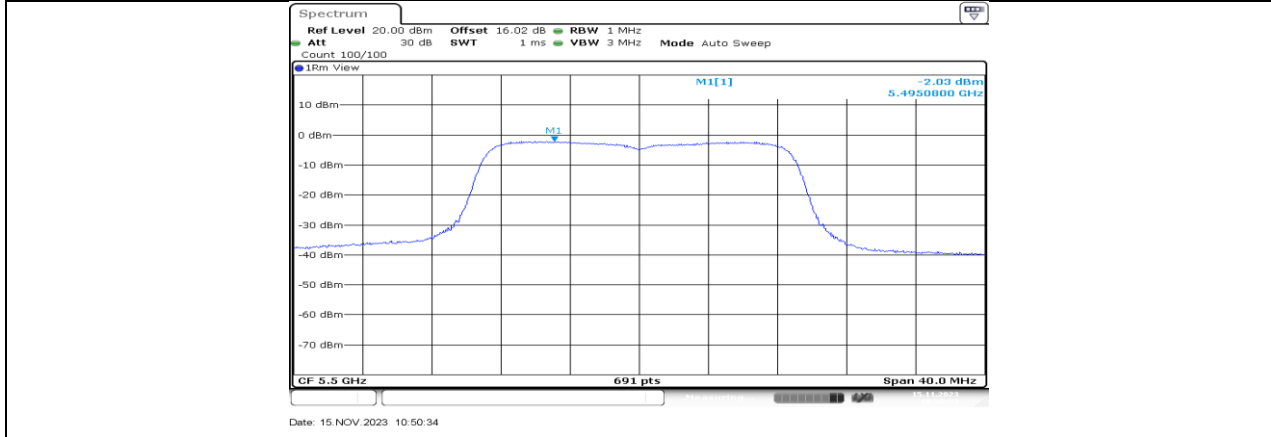
11N20SISO\_Ant1\_5260

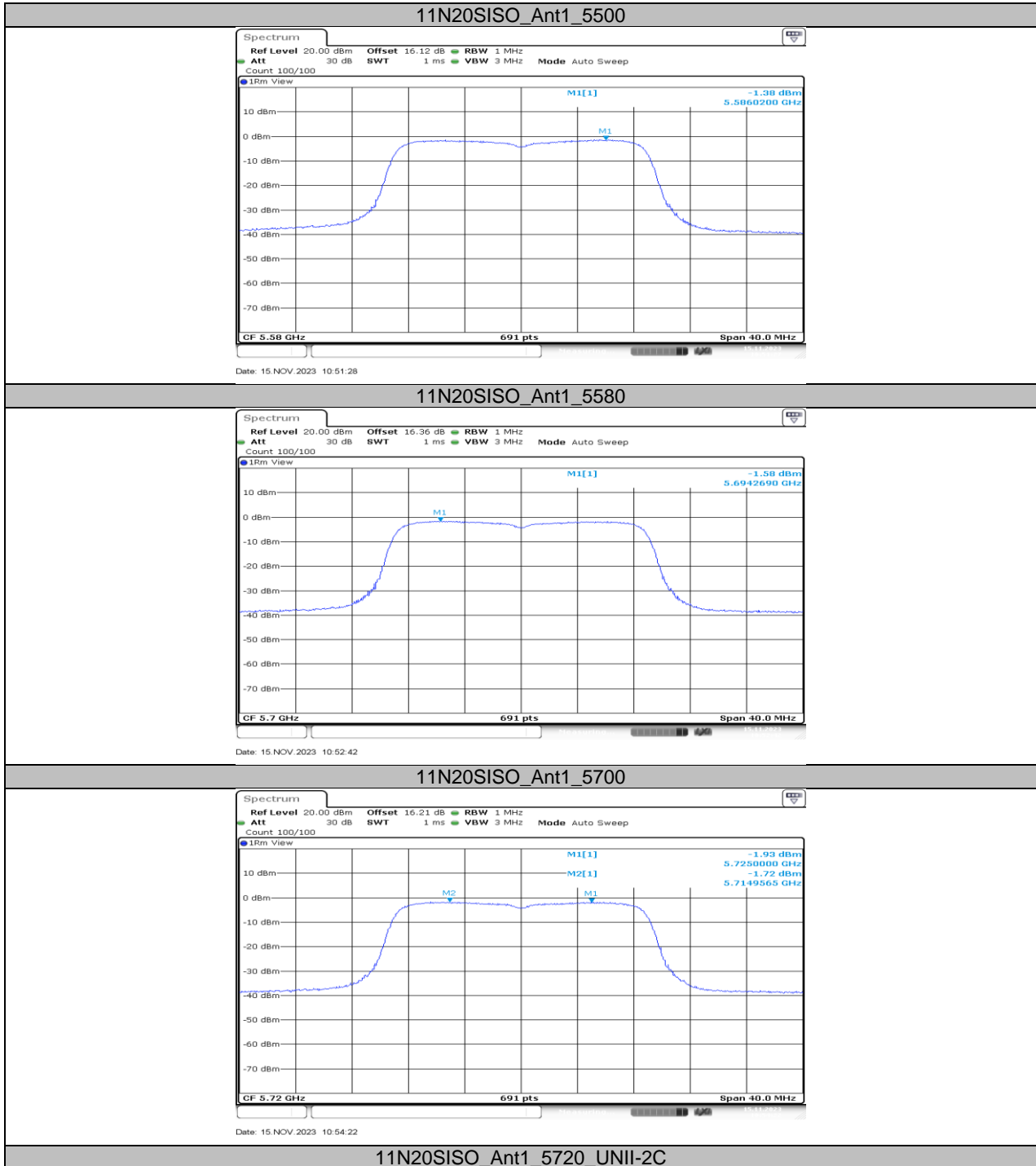


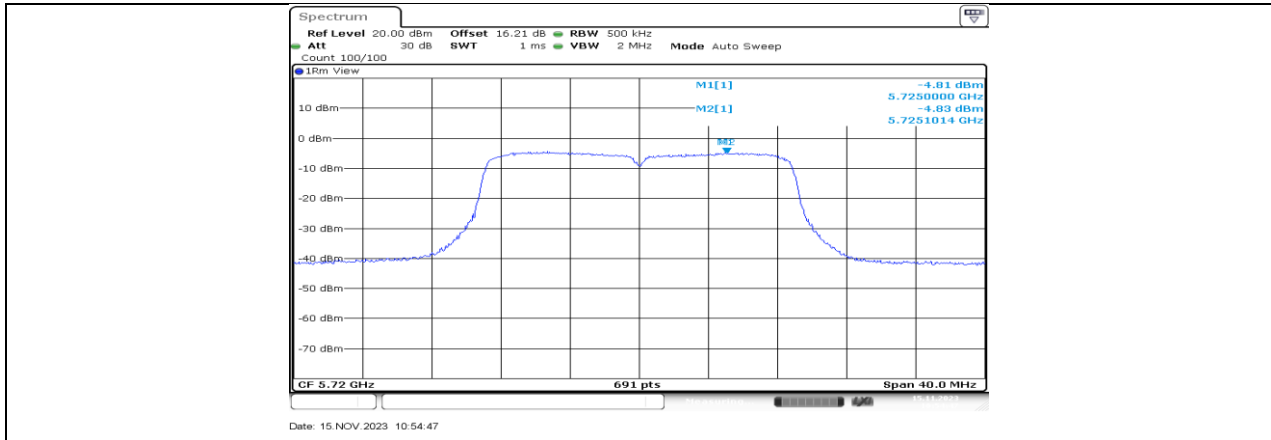
11N20SISO\_Ant1\_5280



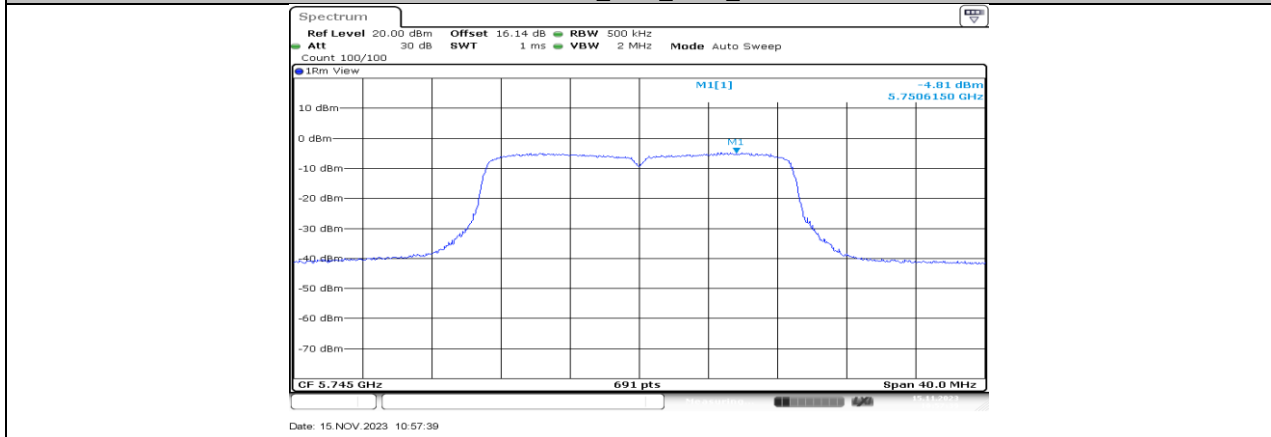
11N20SISO\_Ant1\_5320



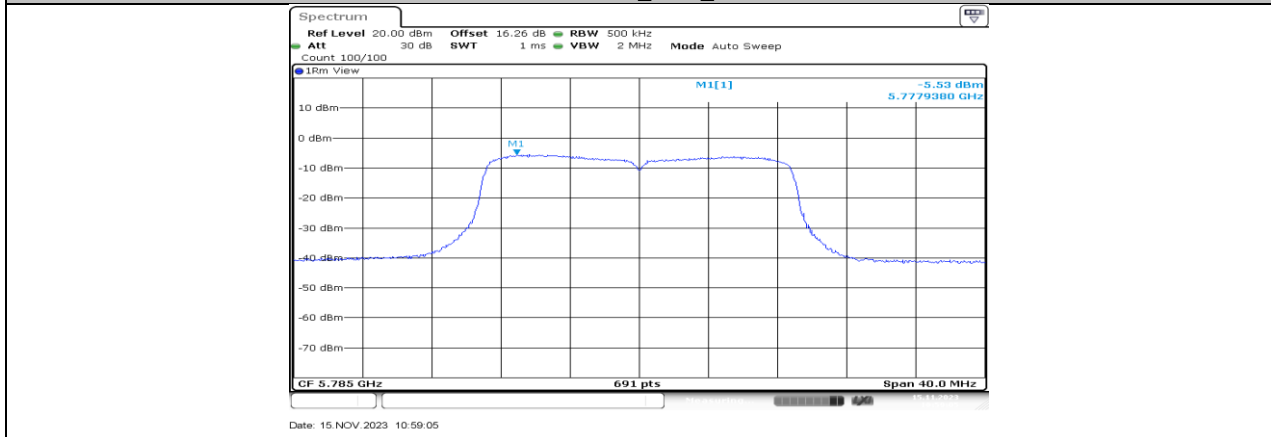




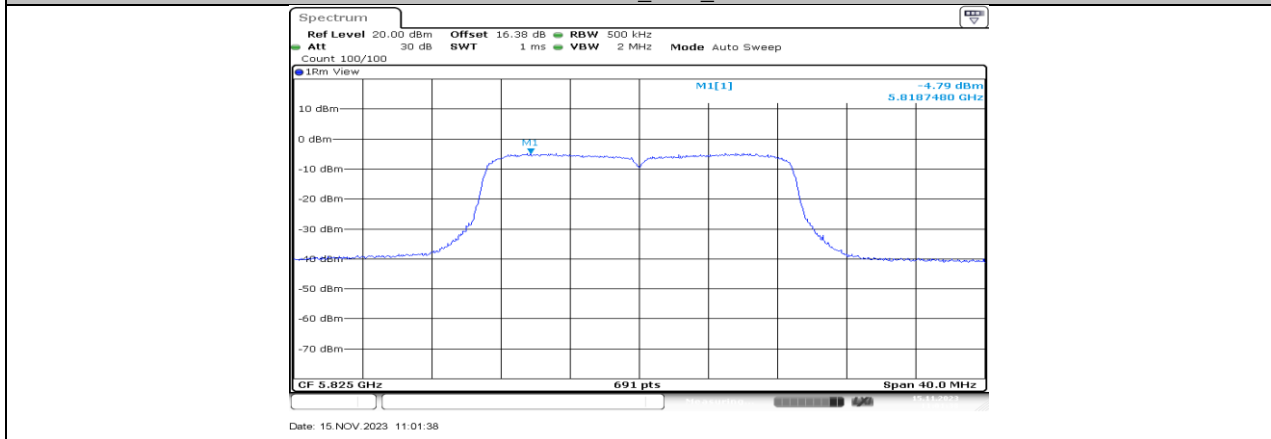
11N20SISO\_Ant1\_5720\_UNII-3

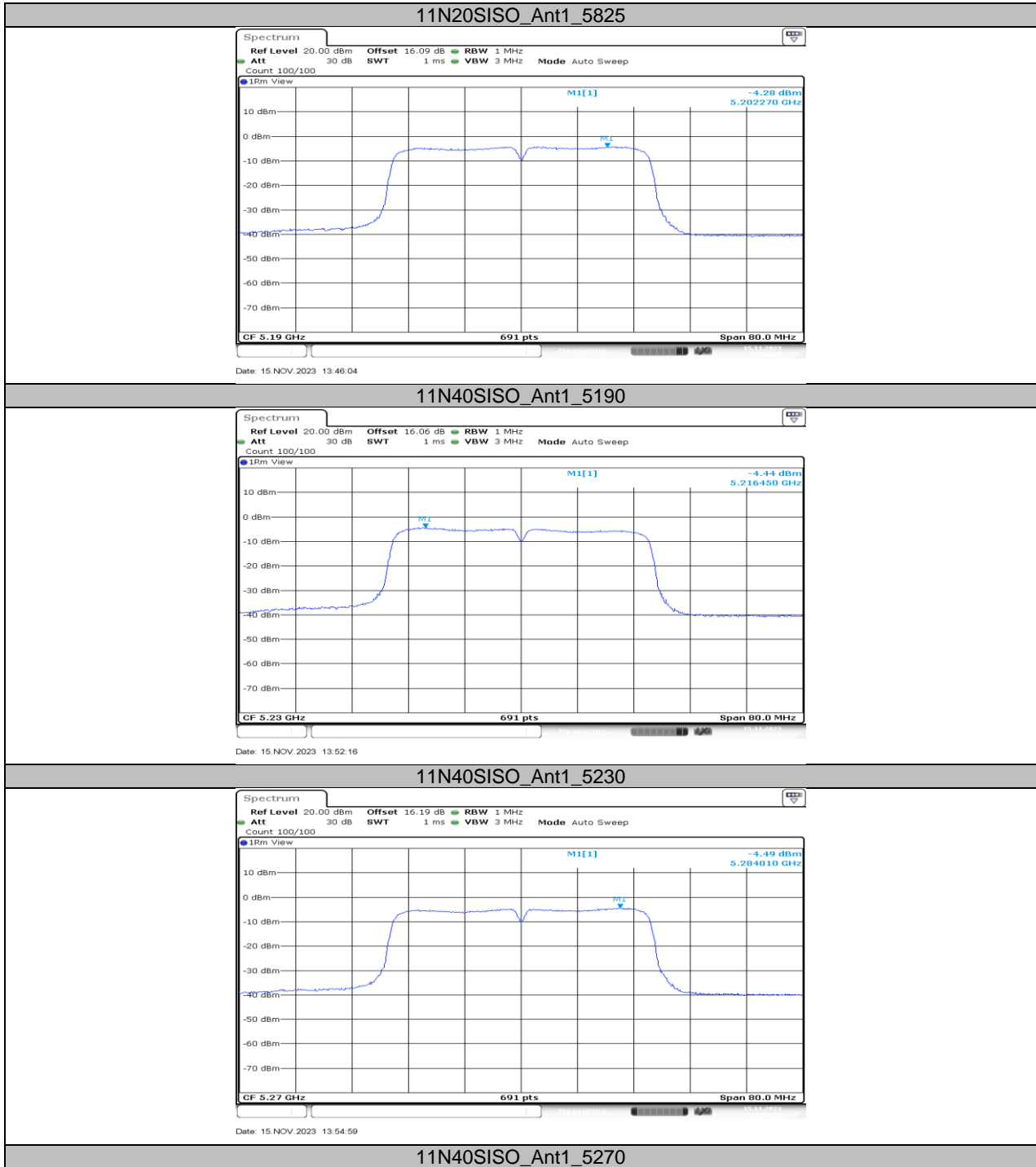


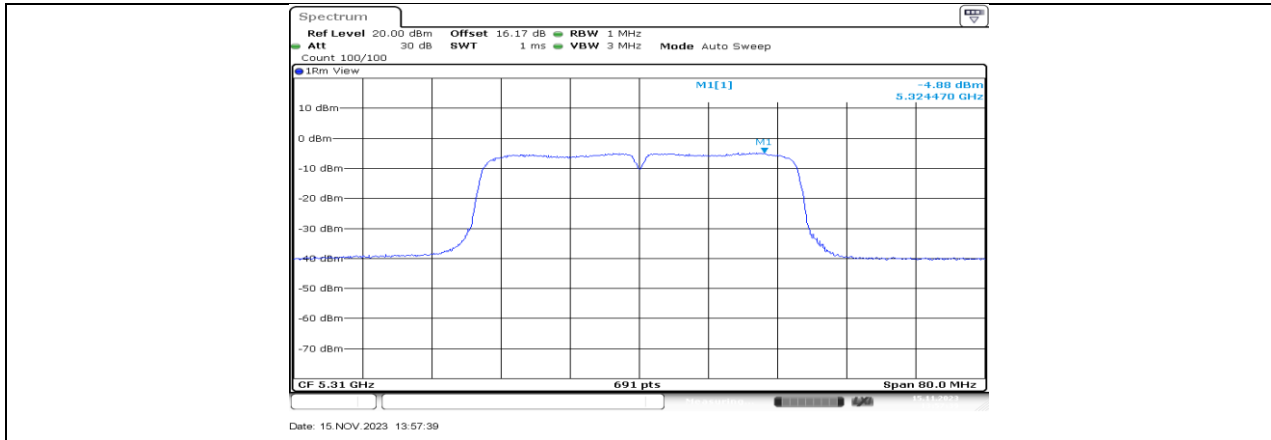
11N20SISO\_Ant1\_5745



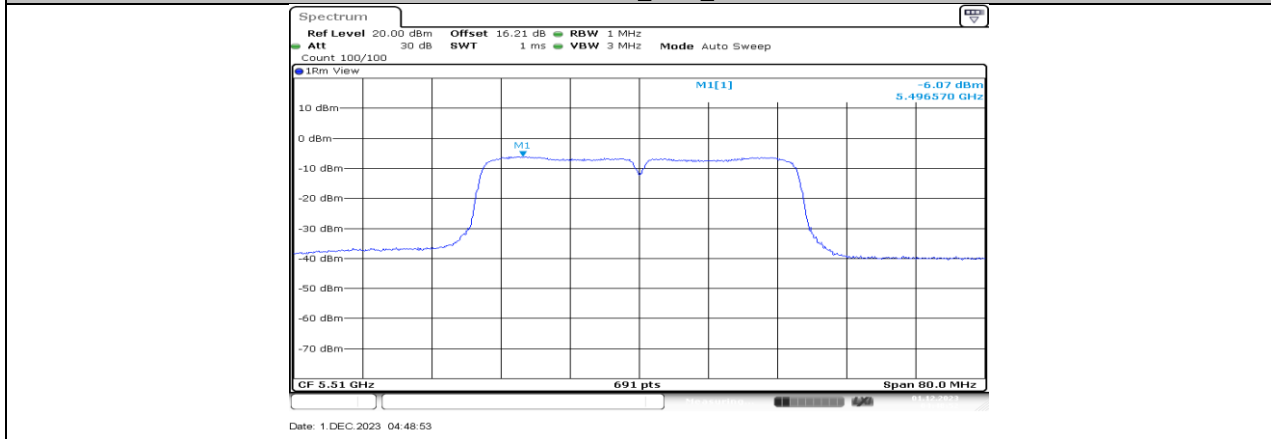
11N20SISO\_Ant1\_5785



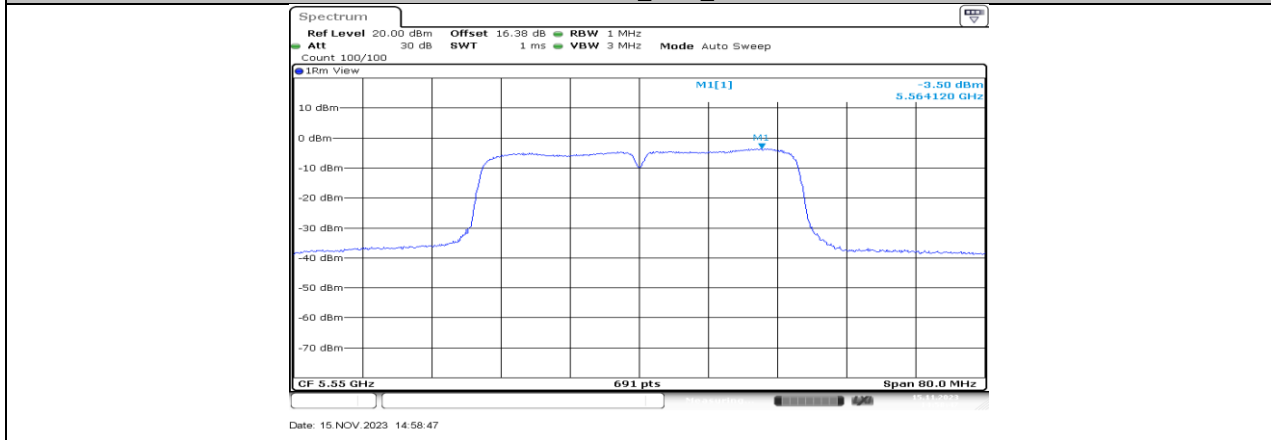




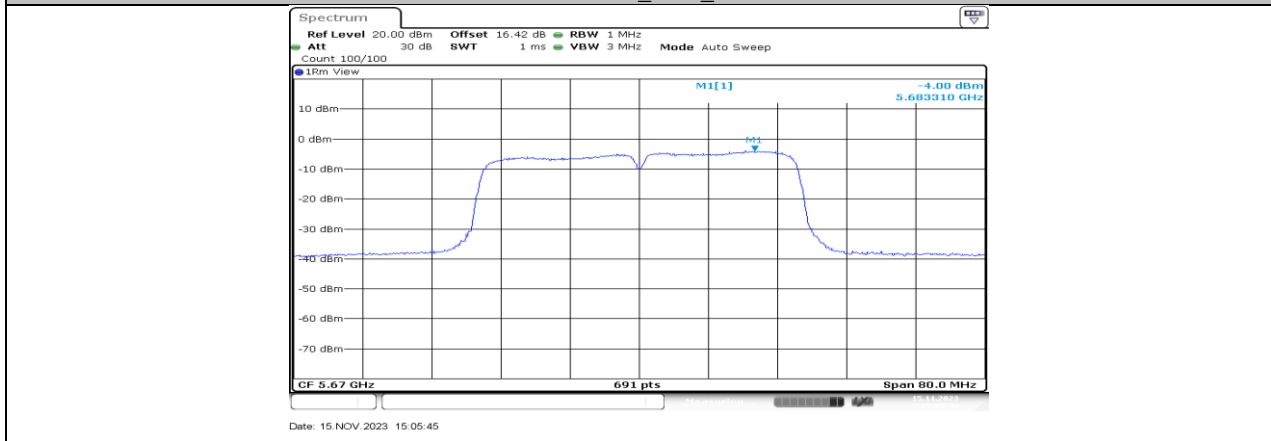
11N40SISO\_Ant1\_5310

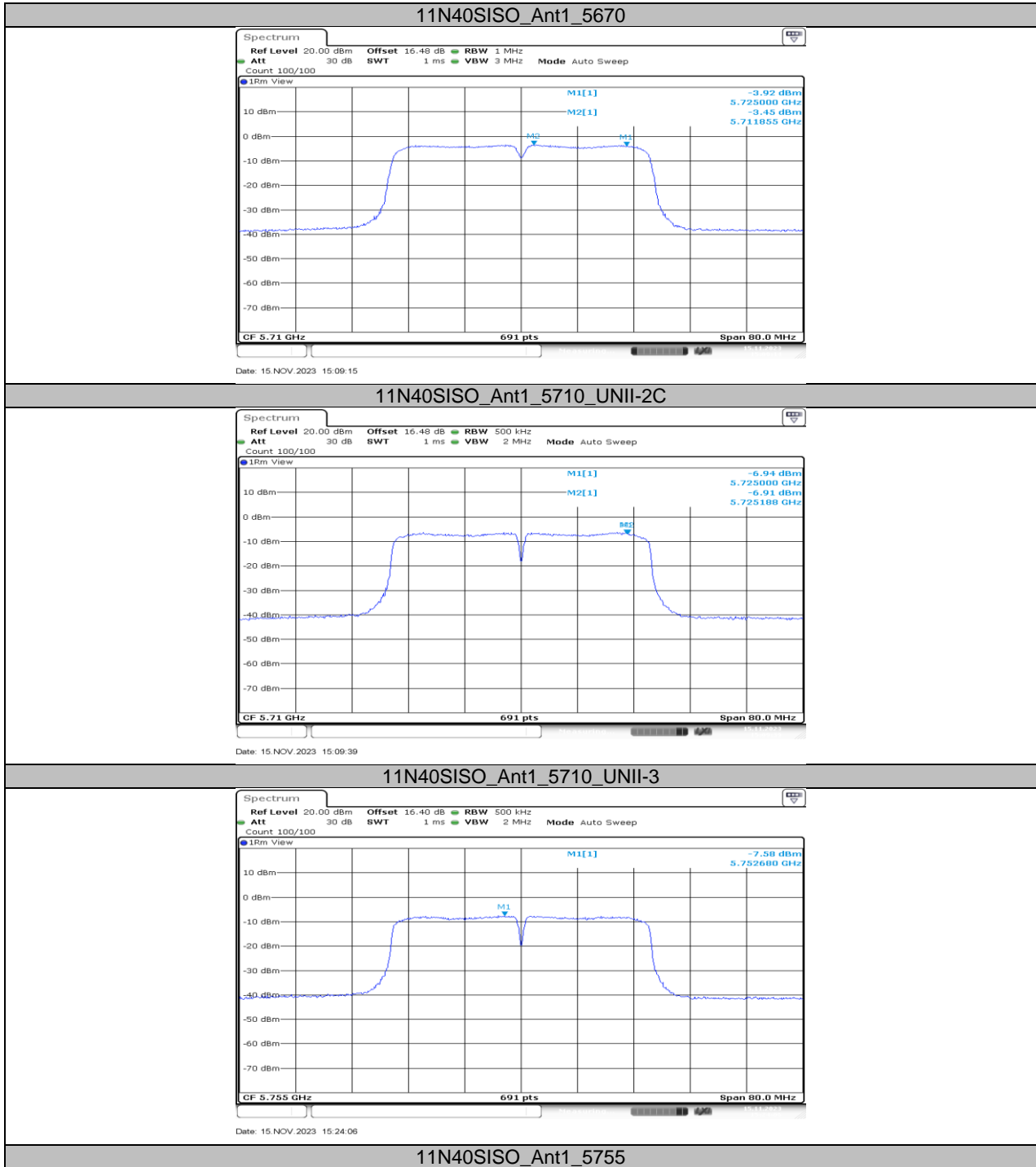


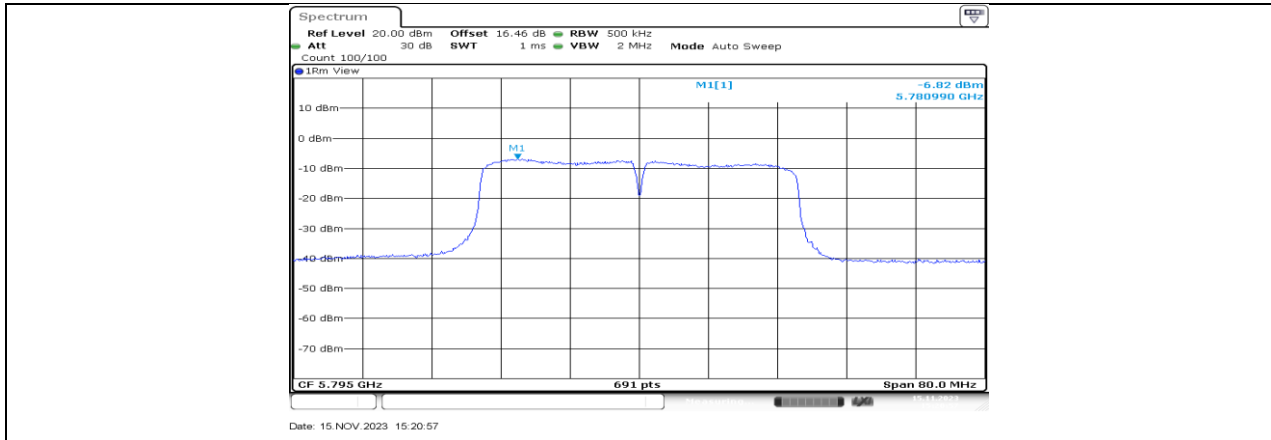
11N40SISO\_Ant1\_5510



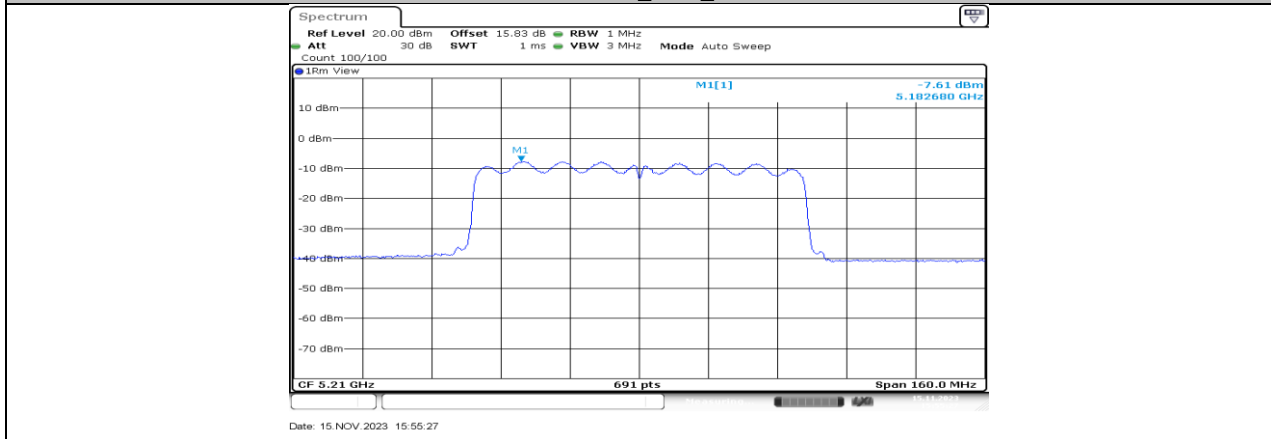
11N40SISO\_Ant1\_5550



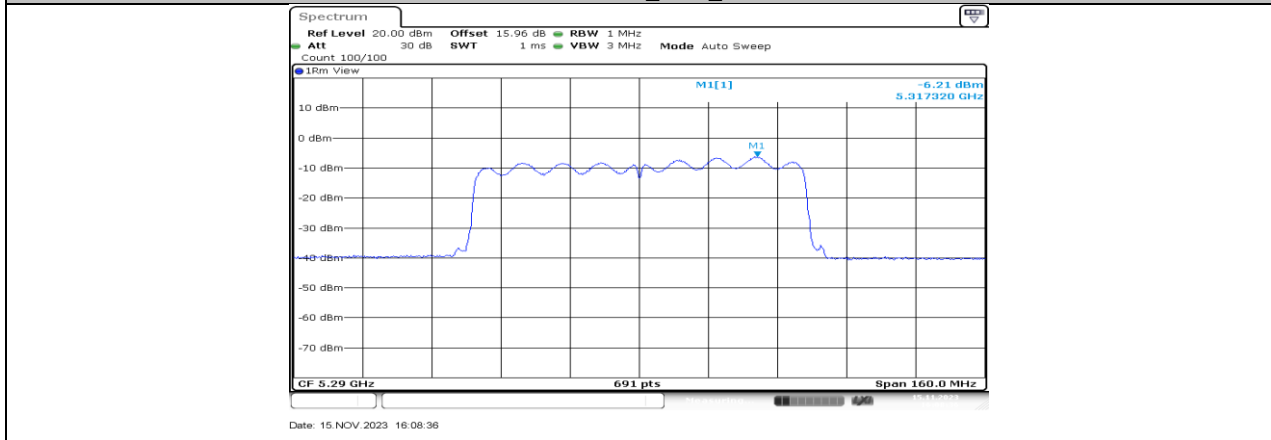




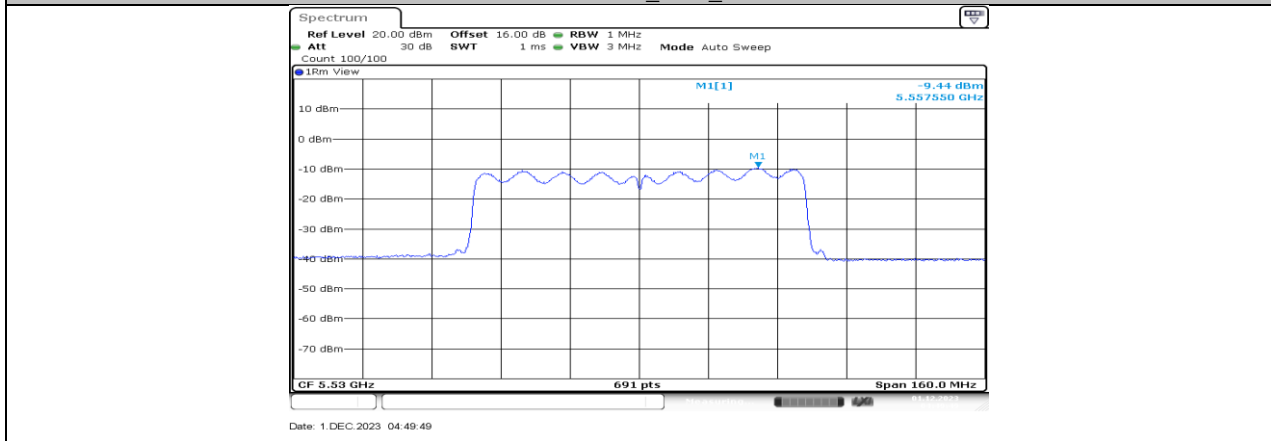
11N40SISO\_Ant1\_5795

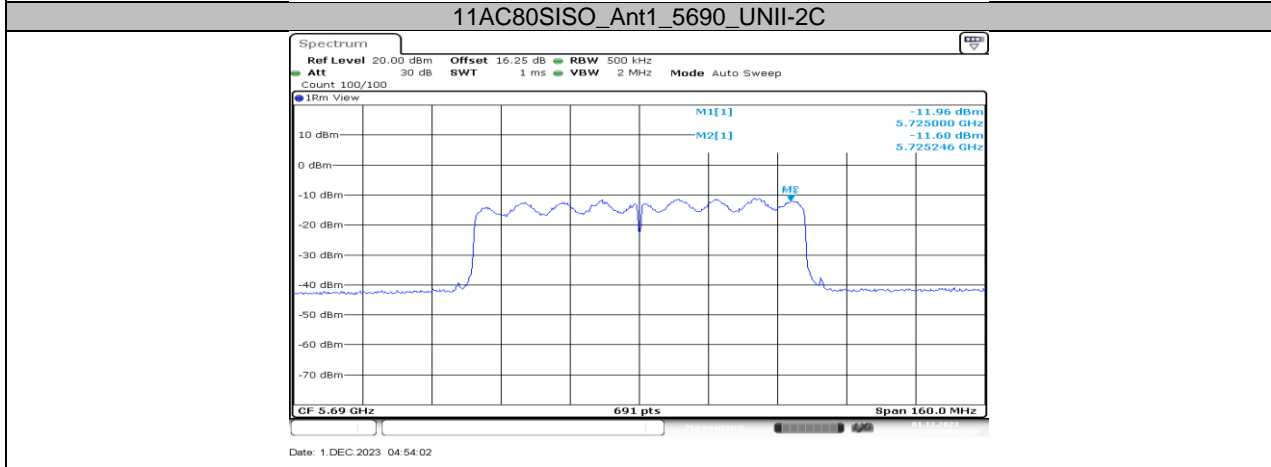
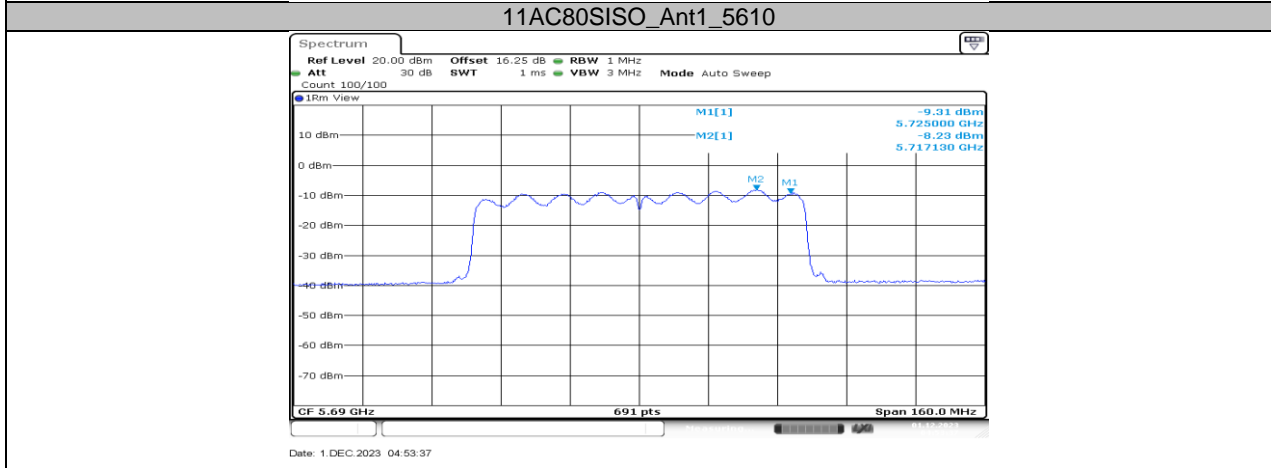
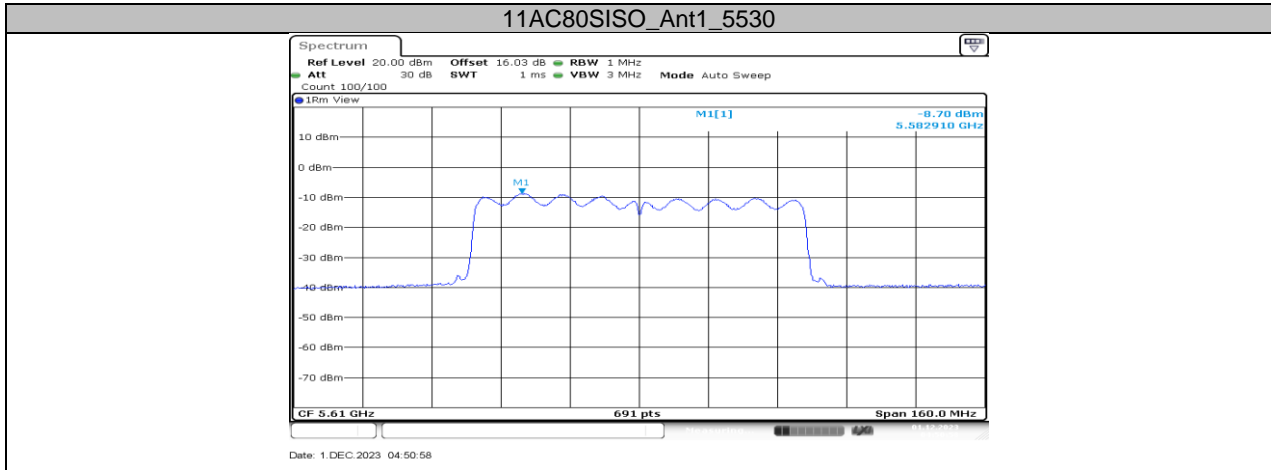


11AC80SISO\_Ant1\_5210



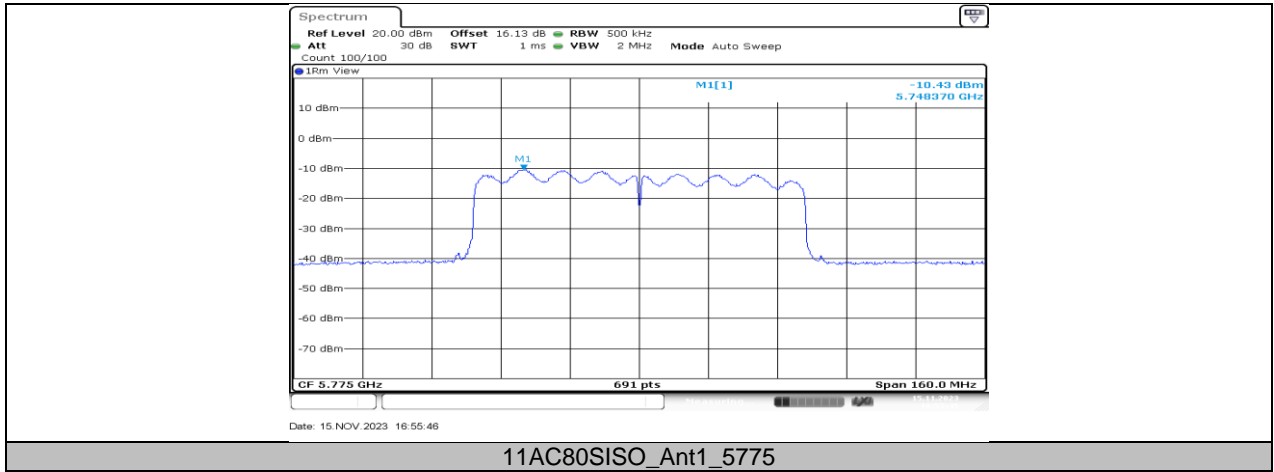
11AC80SISO\_Ant1\_5290





11AC80SISO\_Ant1\_5690\_UNII-3





## 11.6. APPENDIX G: 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	5200.0100	1.93	5200.0222	4.27	5200.0216	4.16	5200.0107	2.06
TN	VN	5199.9759	-4.64	5200.0135	2.59	5200.0217	4.17	5200.0024	0.46
TN	VH	5200.0207	3.98	5199.9754	-4.73	5199.9945	-1.06	5200.0115	2.22

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)
50	VN	5199.9790	-4.03	5199.9946	-1.04	5200.0013	0.24	5200.0192	3.69
40	VN	5199.9905	-1.82	5200.0154	2.96	5200.0202	3.89	5200.0218	4.19
30	VN	5200.0042	0.80	5199.9773	-4.36	5199.9869	-2.52	5200.0096	1.84
20	VN	5199.9880	-2.30	5199.9856	-2.76	5199.9947	-1.02	5200.0155	2.99
10	VN	5199.9776	-4.30	5199.9924	-1.45	5200.0093	1.80	5200.0244	4.69
0	VN	5200.0224	4.31	5200.0211	4.05	5199.9795	-3.95	5199.9779	-4.26

**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 H: 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	2.04	2.21	0.9230	92.30	0.35	0.49	1
11N20SISO	1.93	1.99	0.9698	96.98	0.13	0.52	1
11N40SISO	0.95	1.11	0.8559	85.59	0.68	1.05	2
11AC80SISO	1.92	2.01	0.9552	95.52	0.20	0.52	1

Note:

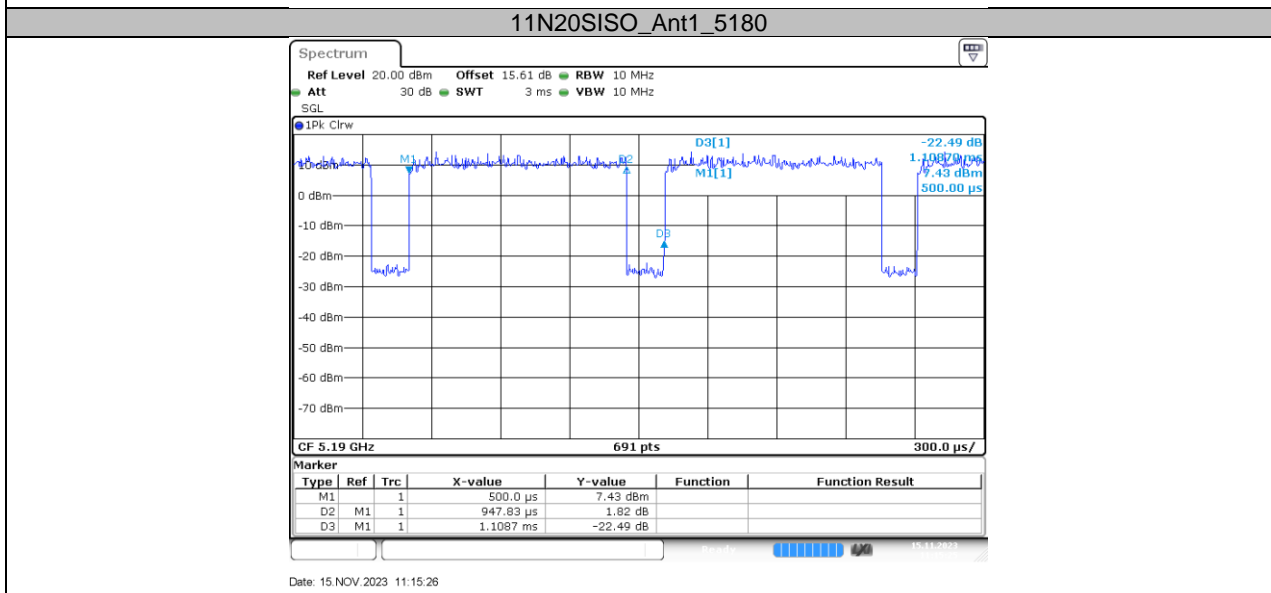
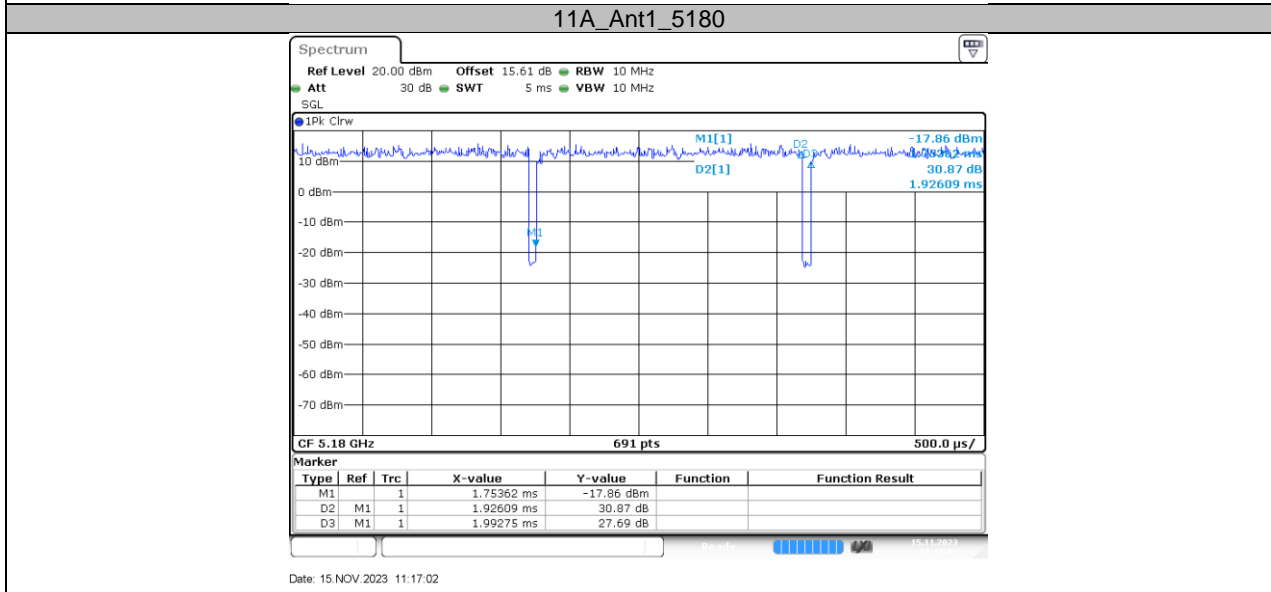
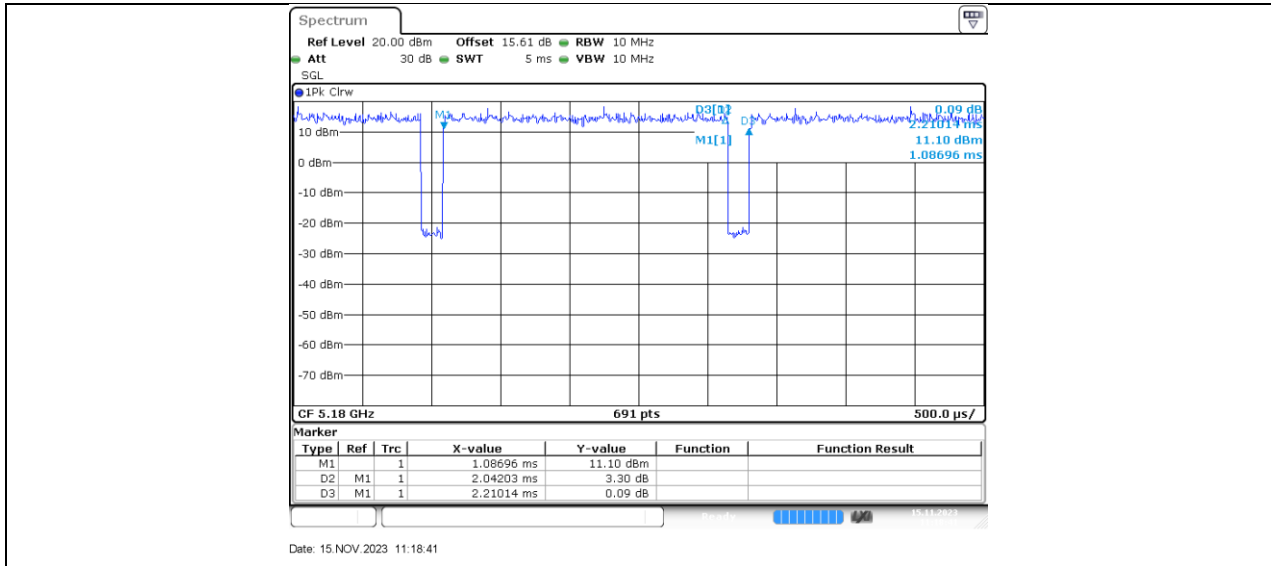
Duty Cycle Correction Factor=10log (1/x).

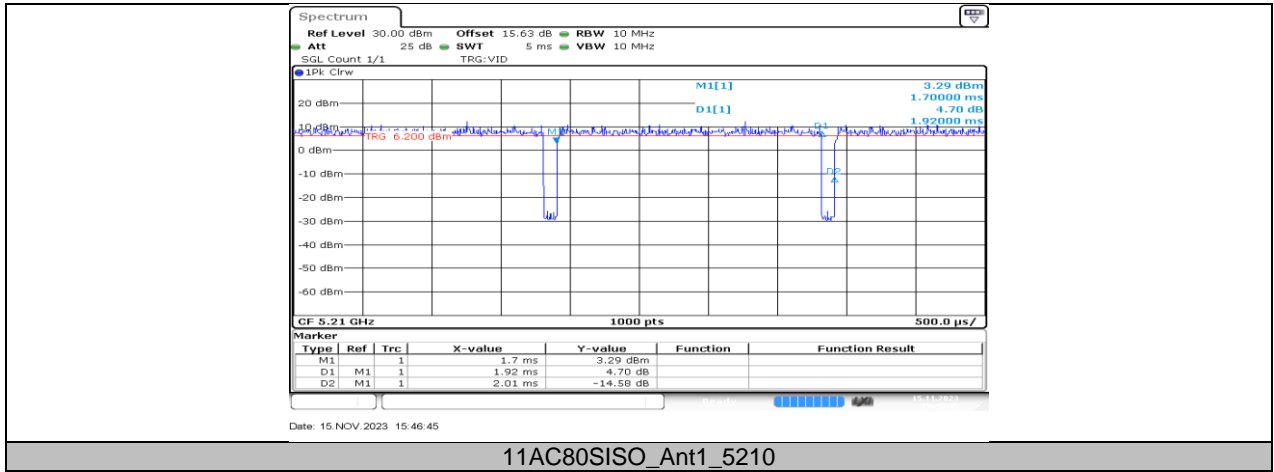
Where: x is Duty Cycle (Linear)

Where: T is On Time

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

### 11.7.2. Test Graphs

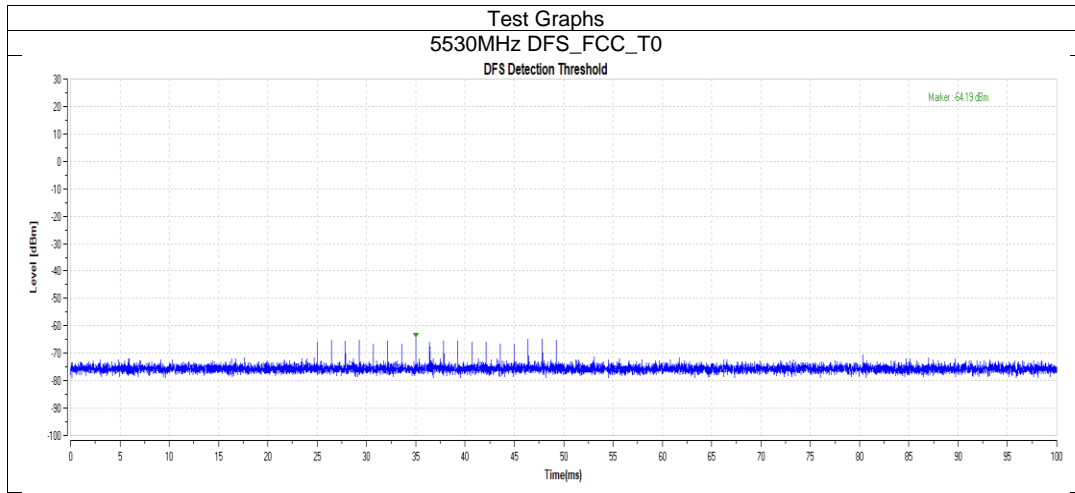




## 11.8. APPENDIX I :DYNAMIC FREQUENCY SELECTION (SLAVE)

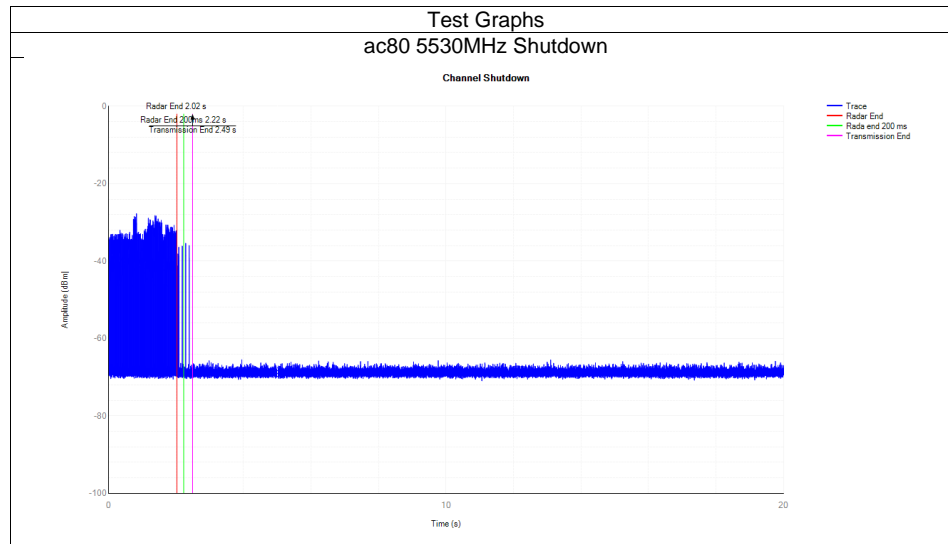
### 11.8.1. Calibration

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



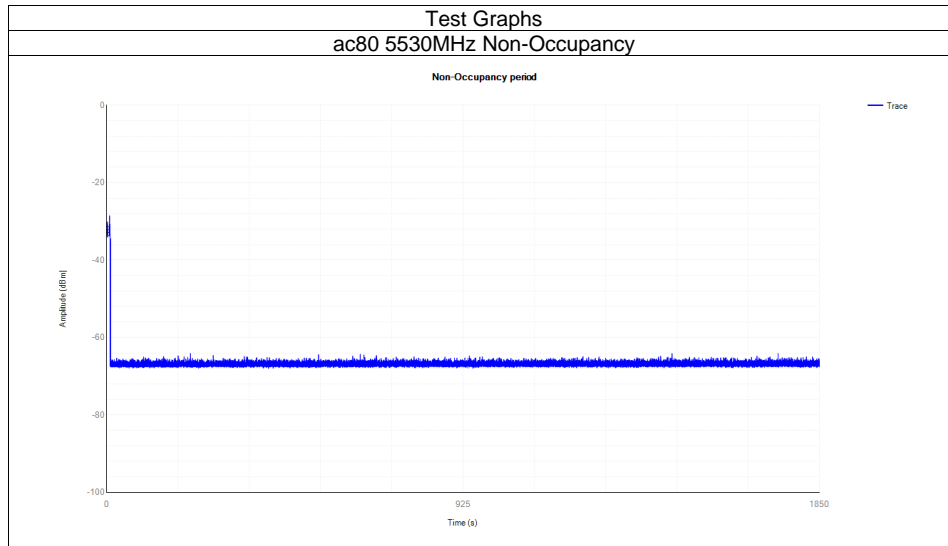
### 11.8.2. Shutdown Time

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
ac80	5530	0.465	10	0.015	0.26	0.004	0.06	Pass



### 11.8.3. Non-Occupancy

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




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**END OF REPORT**