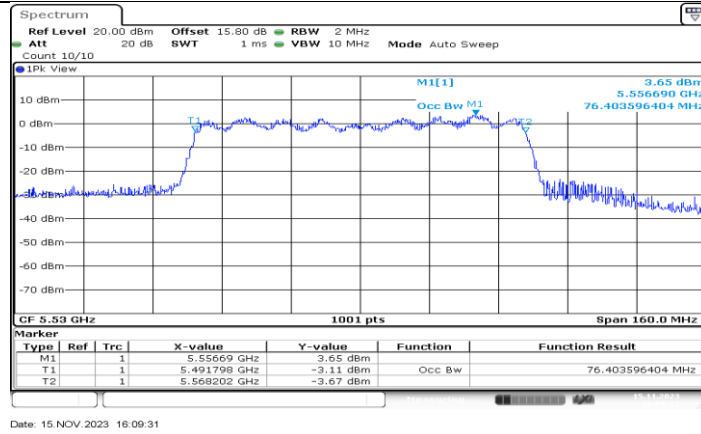
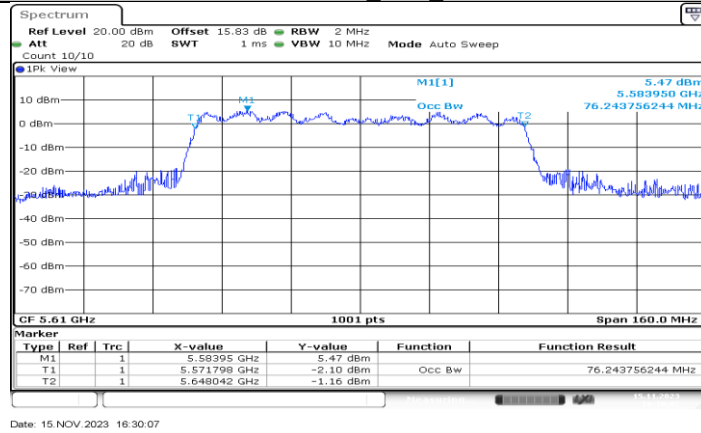
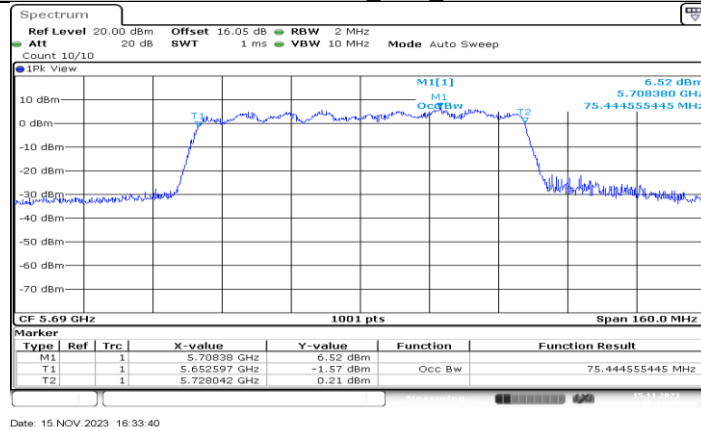




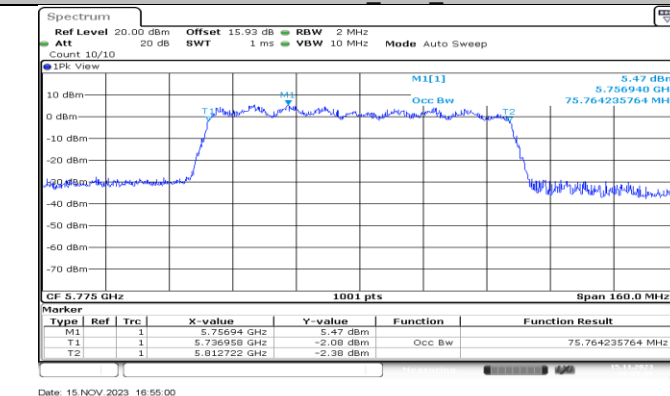
11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5690



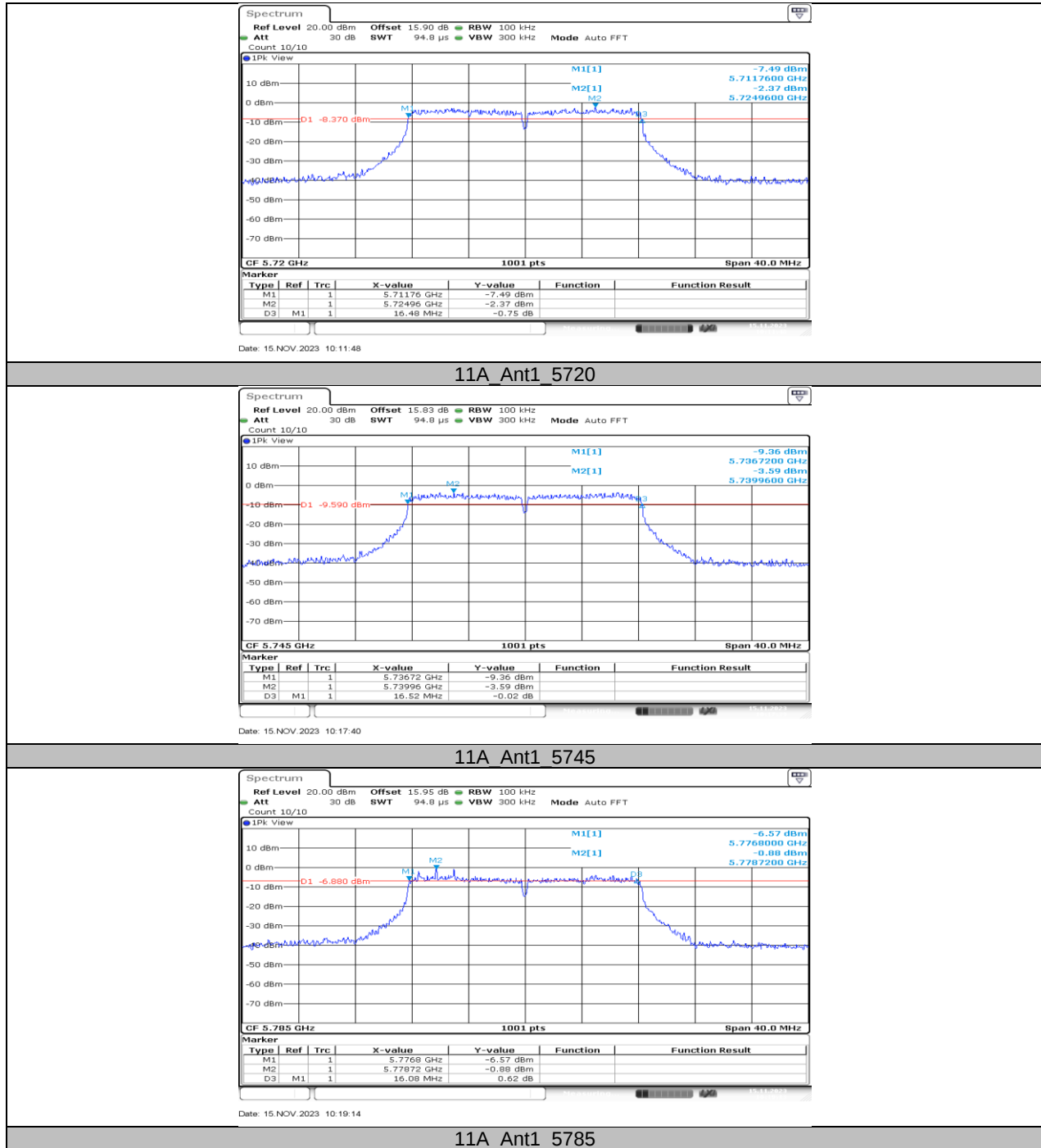
11AC80SISO_Ant1_5775

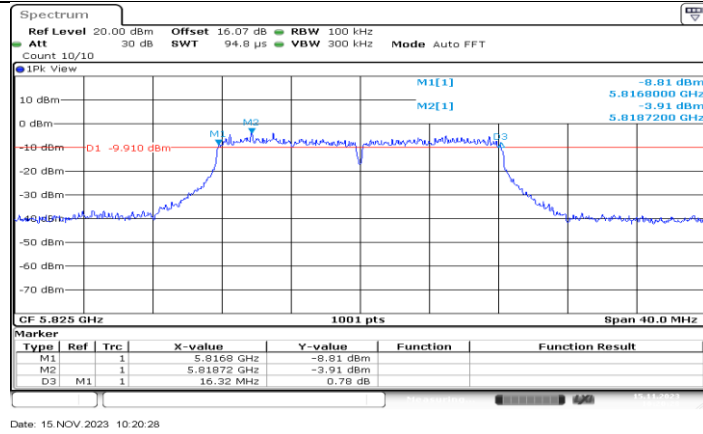
11.3. APPENDIX A3: MIN EMISSION BANDWIDTH

11.3.1. Test Result

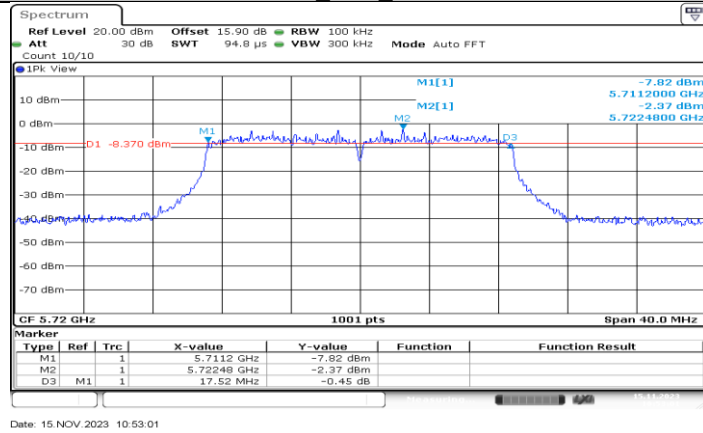
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	16.48	5711.76	5728.24	≥0.5	PASS
		5720 UNII-3	3.24	5725	5728.24	≥0.5	PASS
		5745	16.52	5736.72	5753.24	≥0.5	PASS
		5785	16.08	5776.80	5792.88	≥0.5	PASS
		5825	16.32	5816.80	5833.12	≥0.5	PASS
11N20SISO	Ant1	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

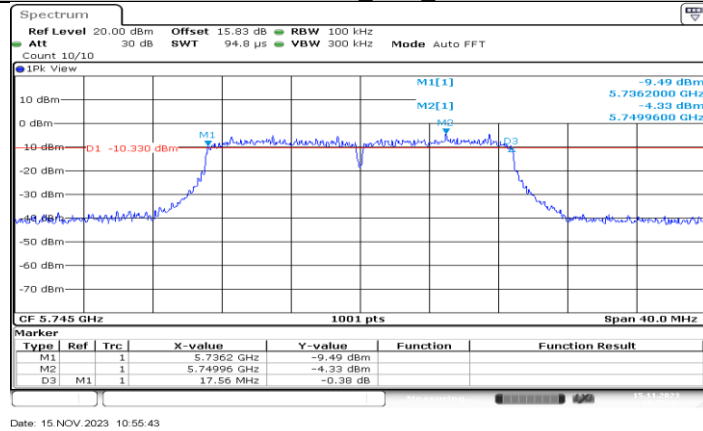




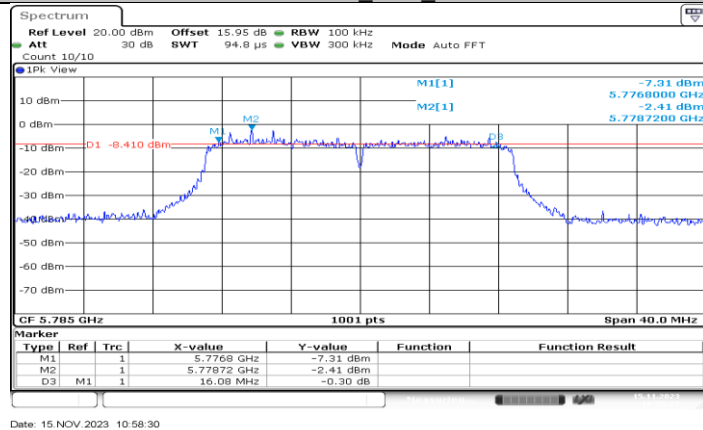
11A Ant1_5825

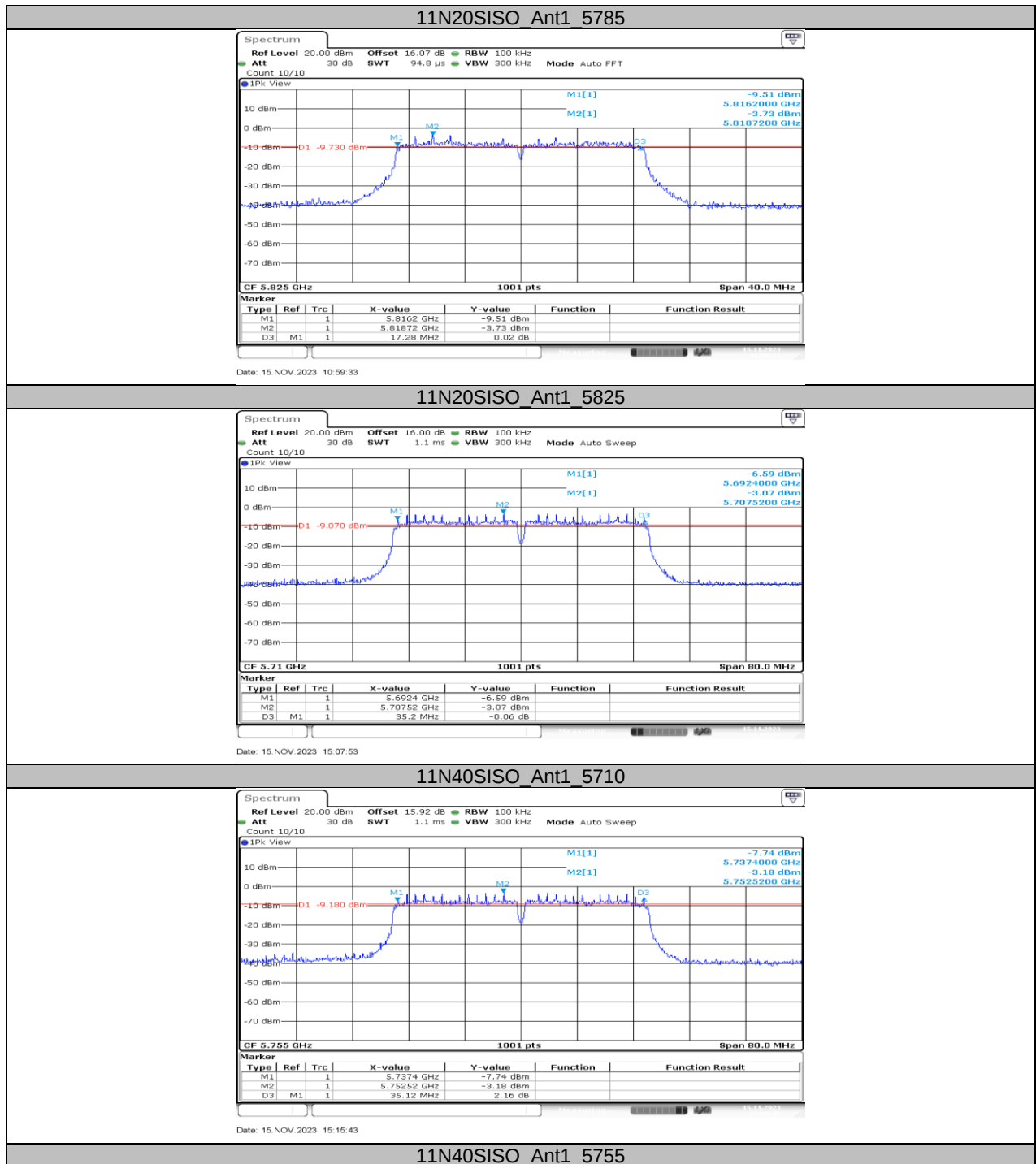


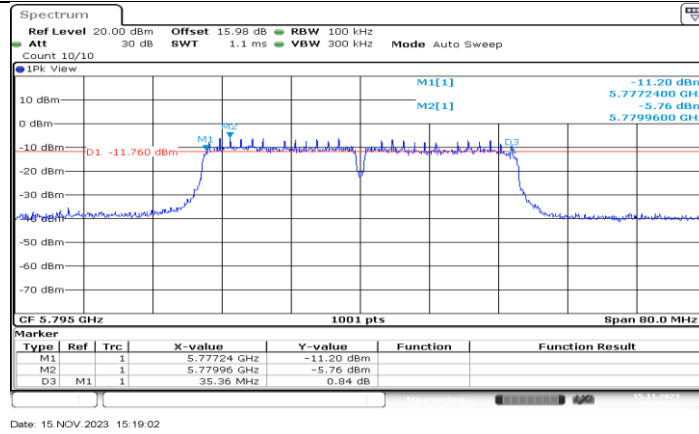
11N20SISO Ant1_5720



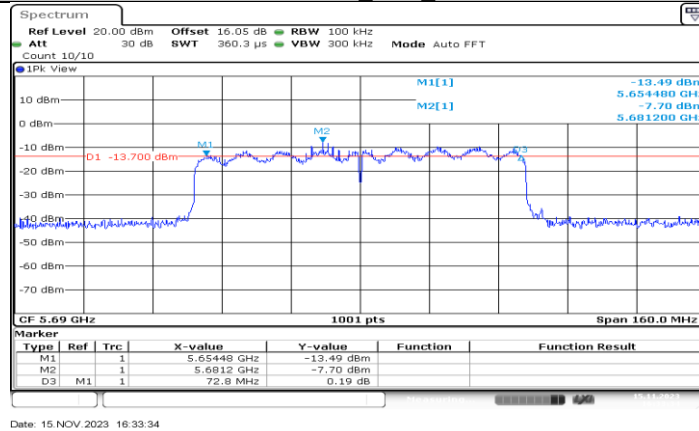
11N20SISO Ant1_5745



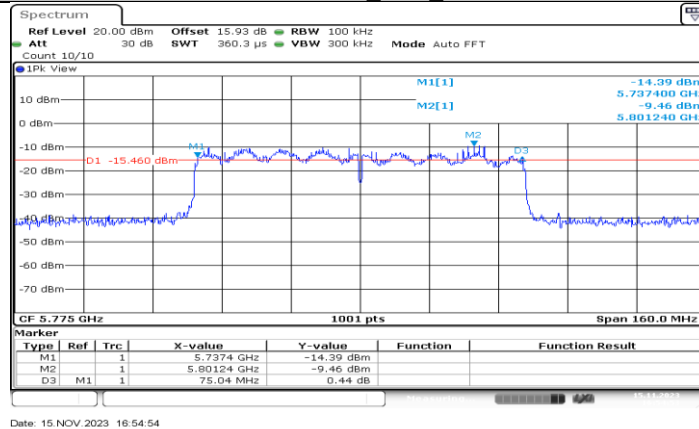




11N40SISO_Ant1_5795



11AC80SISO_Ant1_5690



11AC80SISO_Ant1_5775

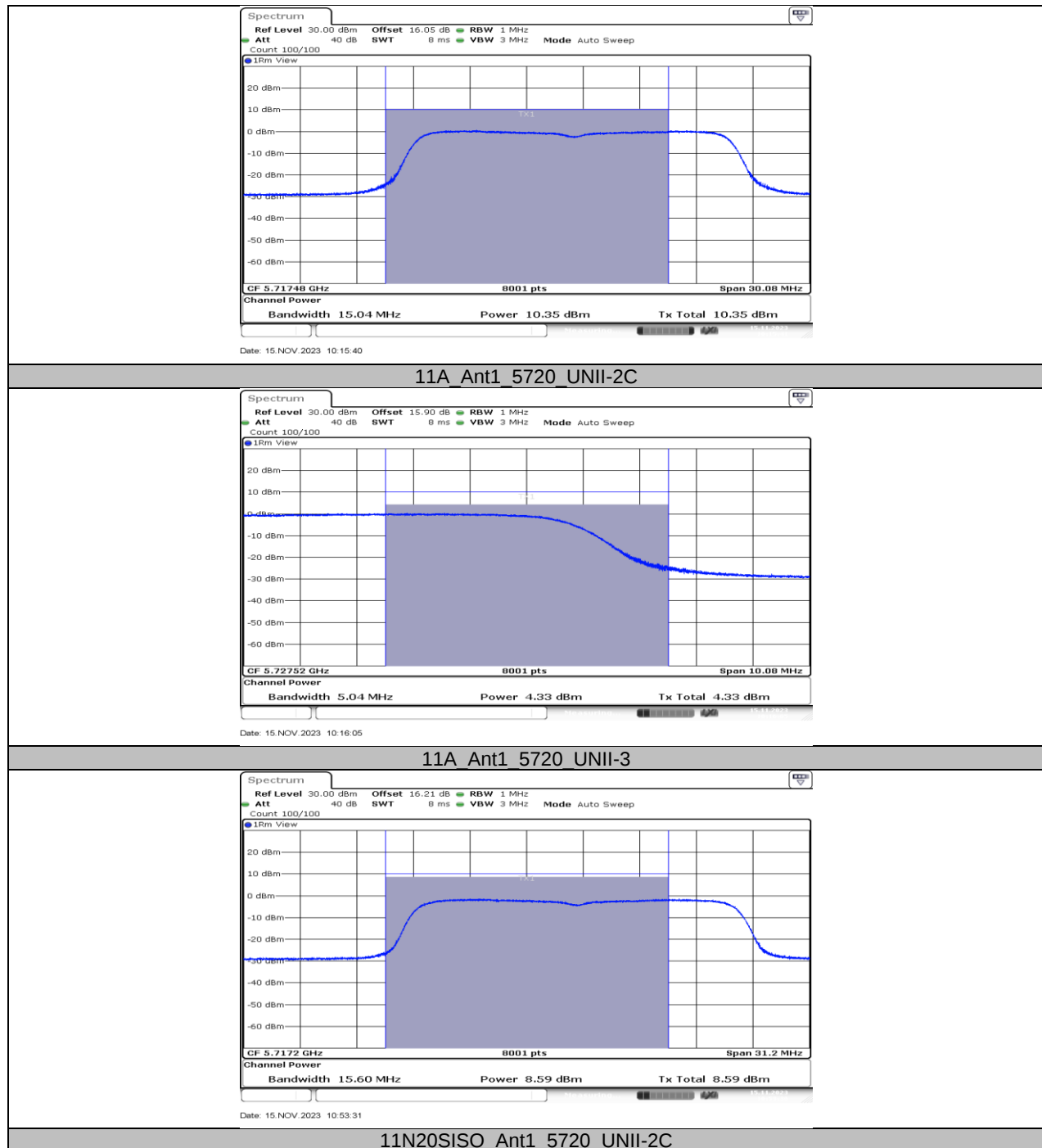
11.4. APPENDIX B: MAXIMUM CONDUCTED OUTPUT POWER

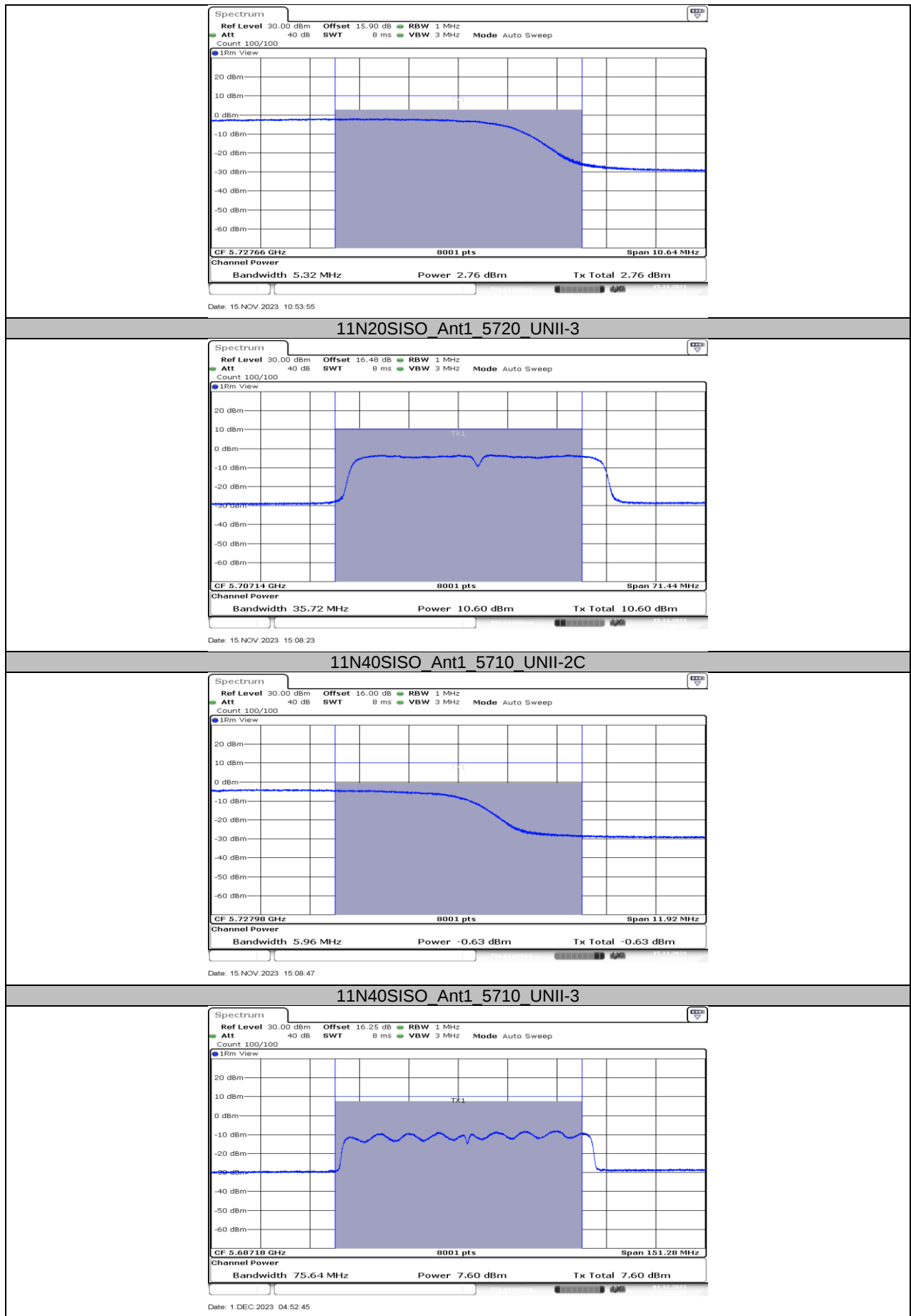
11.4.1. Test Result

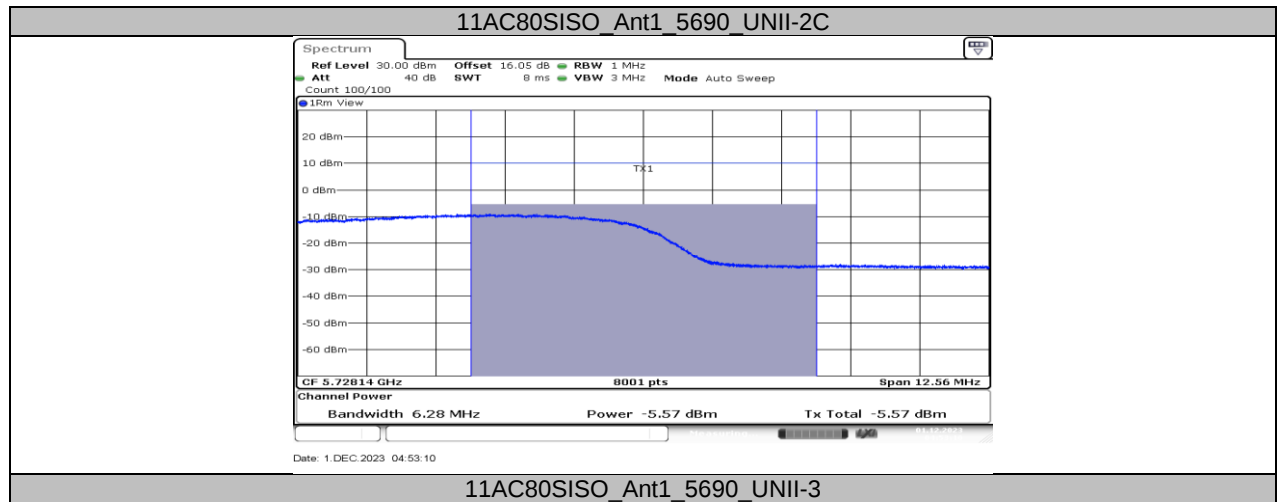
Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.80	≤23.98	---	14.10	≤22.32	PASS
		5200	11.84	≤23.98	---	14.14	≤22.37	PASS
		5240	12.78	≤23.98	---	15.08	≤22.36	PASS
		5260	12.52	≤23.98	≤23.40	14.82	≤29.40	PASS
		5280	12.41	≤23.98	≤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







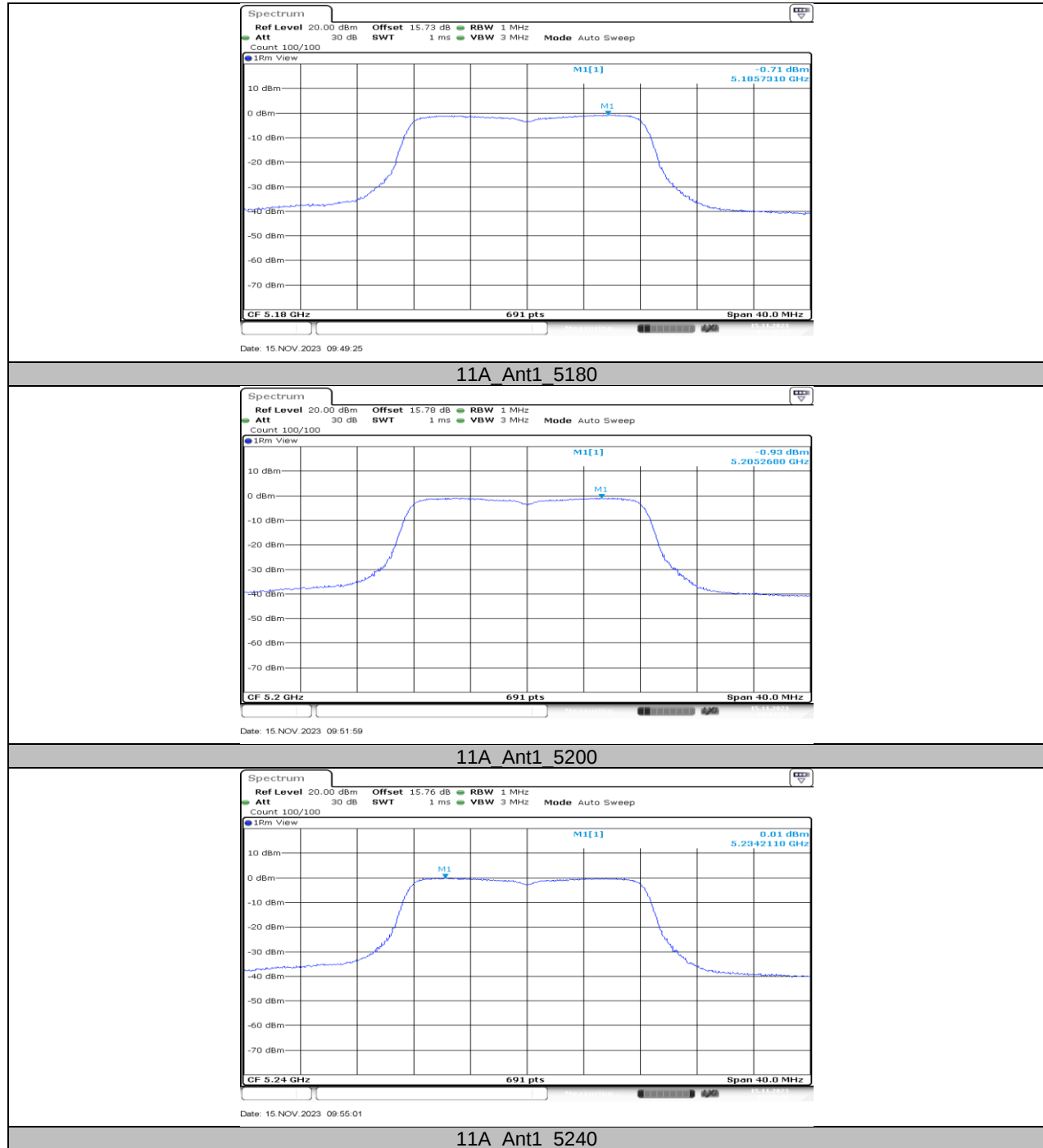
11.5. APPENDIX C: MAXIMUM POWER SPECTRAL DENSITY

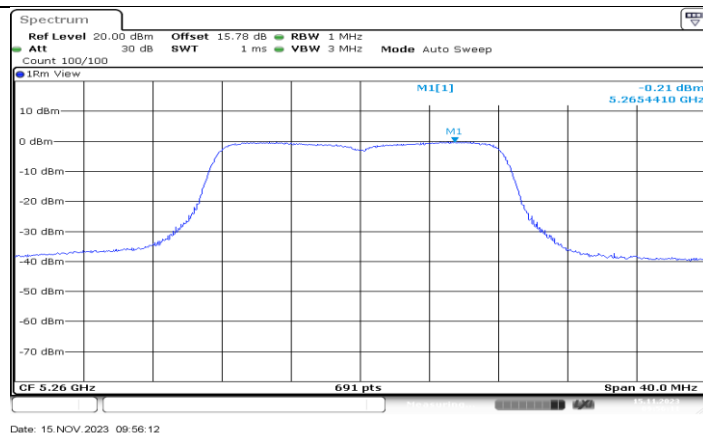
11.5.1. Test Result

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
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
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

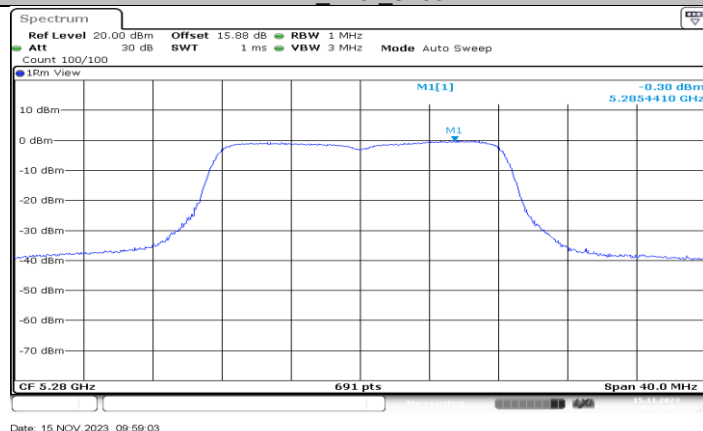
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

11.5.2. Test Graphs

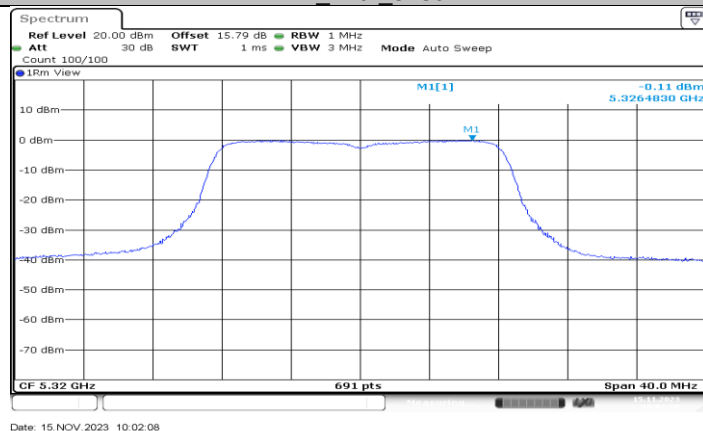




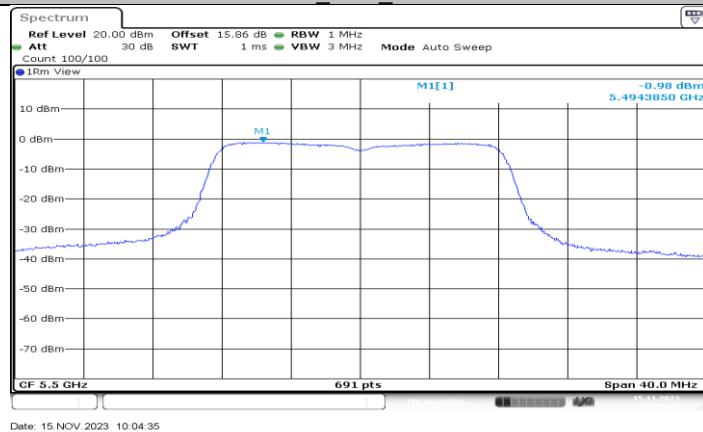
11A_Ant1_5260

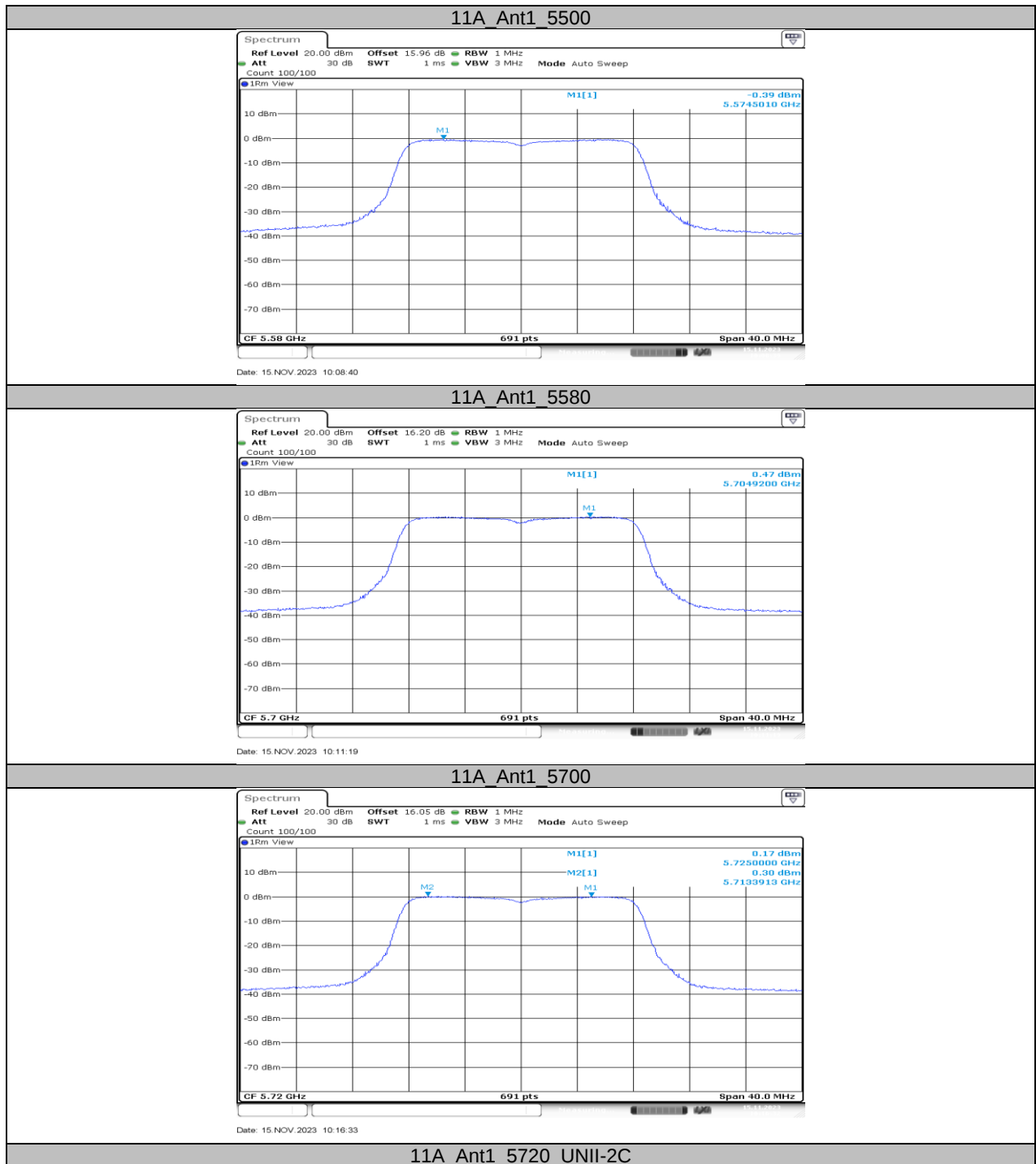


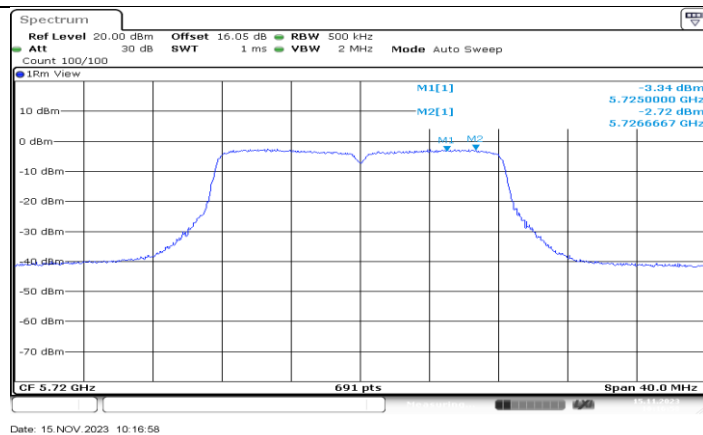
11A_Ant1_5280



11A_Ant1_5320

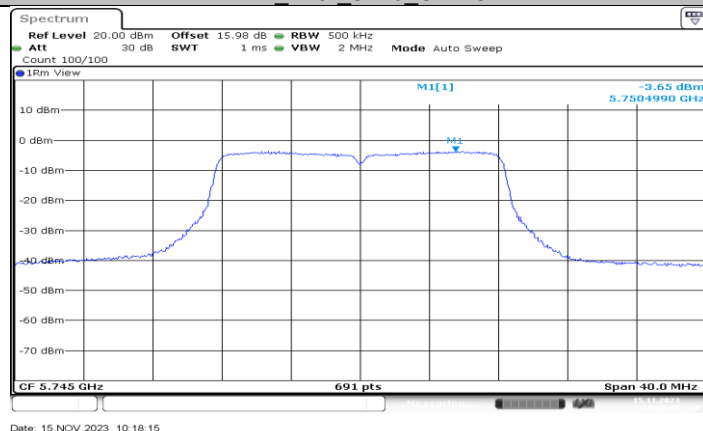






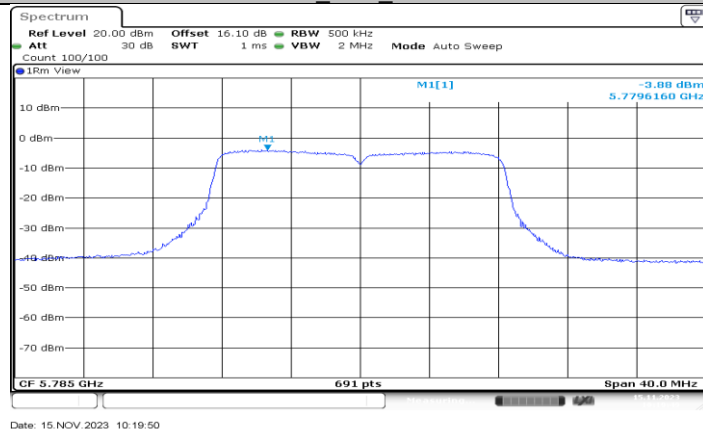
Date: 15.NOV.2023 10:16:58

11A Ant1 5720 UNII-3



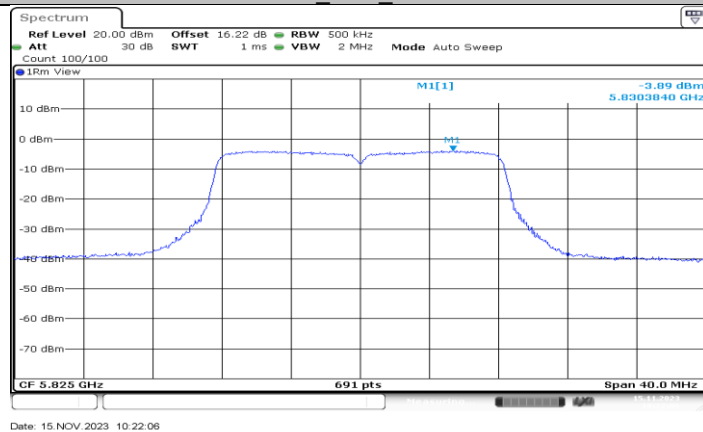
Date: 15.NOV.2023 10:18:15

11A Ant1 5745



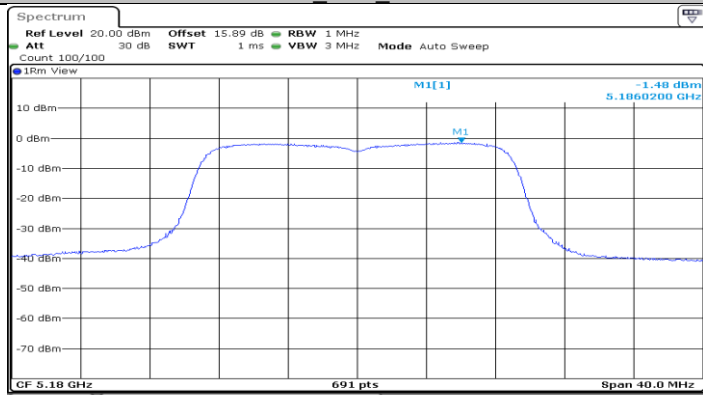
Date: 15.NOV.2023 10:19:50

11A Ant1 5785



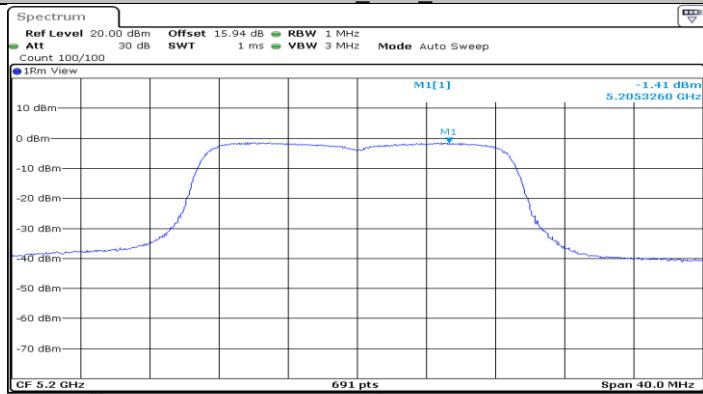
Date: 15.NOV.2023 10:22:08

11A_Ant1_5825



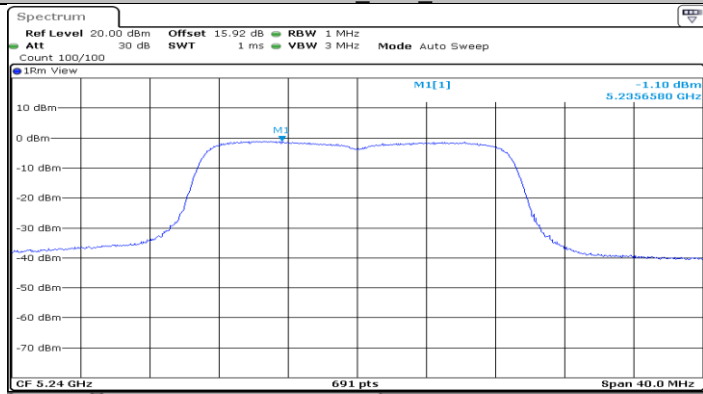
Date: 15 NOV 2023 10:33:50

11N20SISO_Ant1_5180



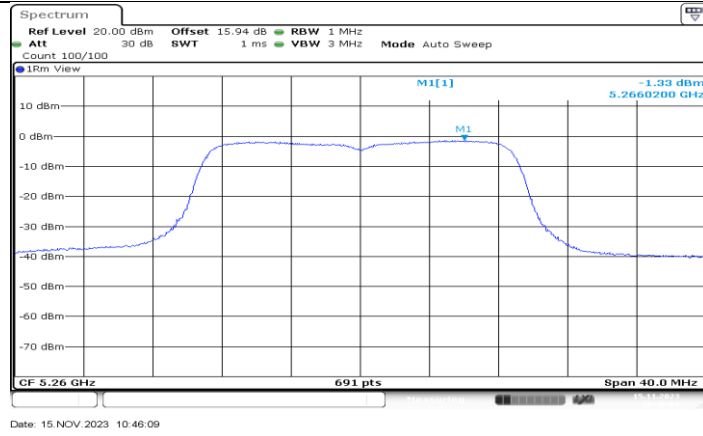
Date: 15 NOV 2023 10:35:15

11N20SISO_Ant1_5200

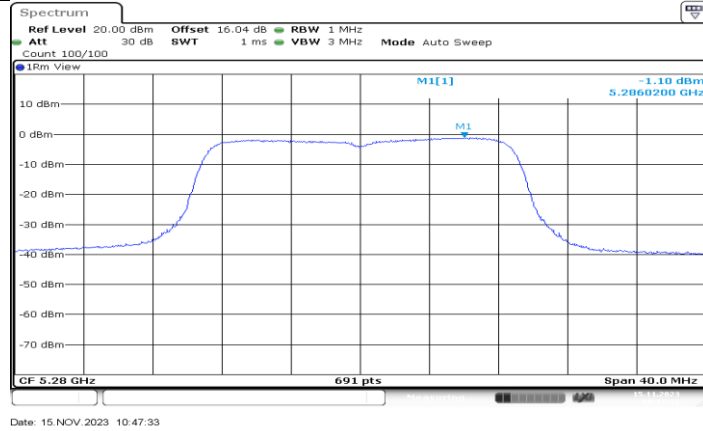


Date: 15 NOV 2023 10:40:43

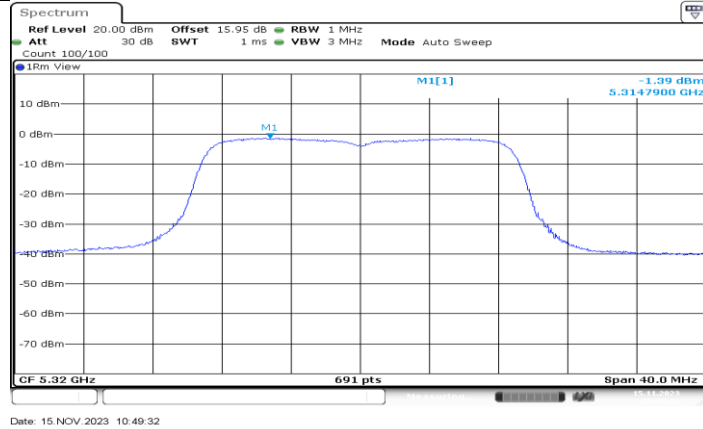
11N20SISO_Ant1_5240



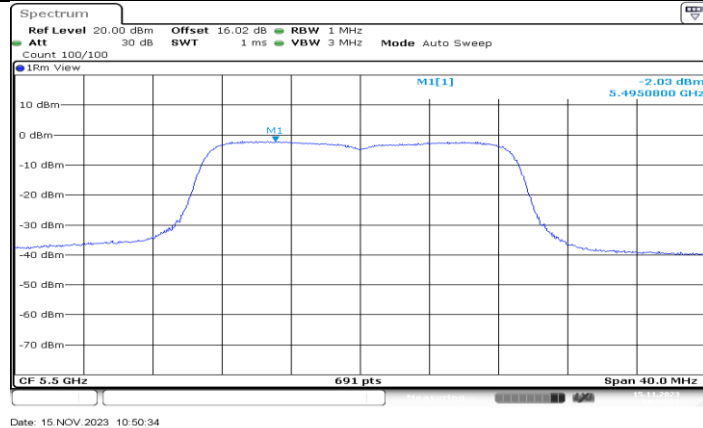
11N20SISO_Ant1_5260



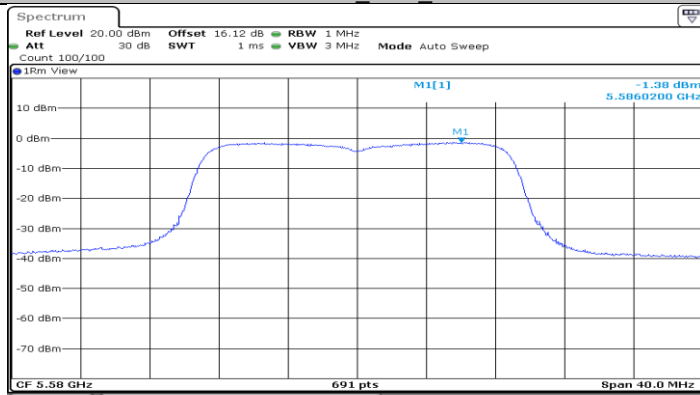
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320

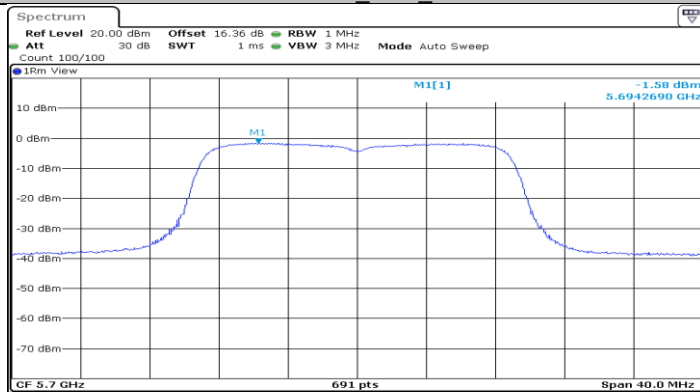


11N20SISO_Ant1_5500



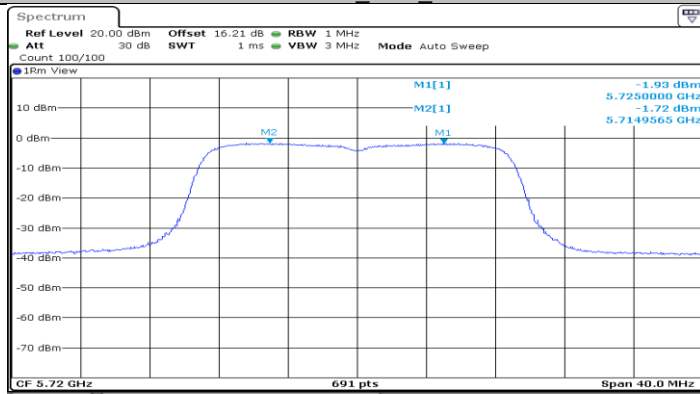
Date: 15 NOV 2023 10:51:28

11N20SISO_Ant1_5580



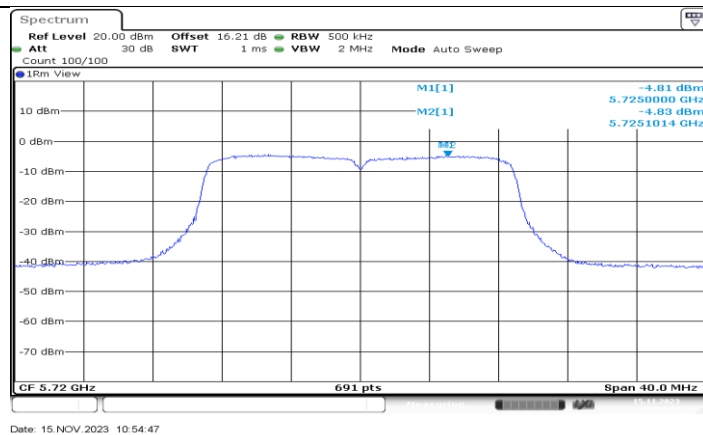
Date: 15 NOV 2023 10:52:42

11N20SISO_Ant1_5700

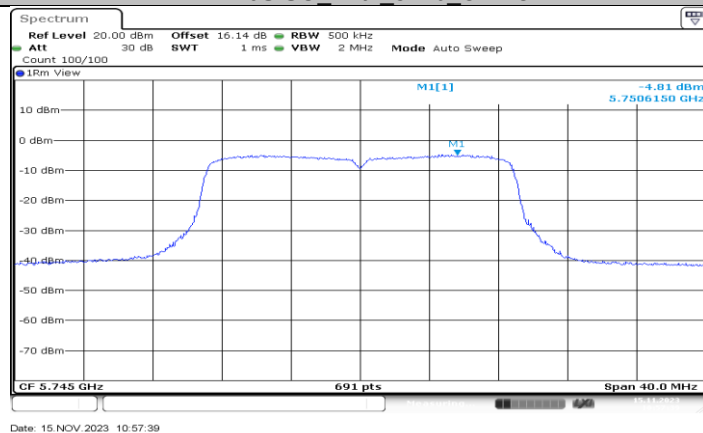


Date: 15 NOV 2023 10:54:22

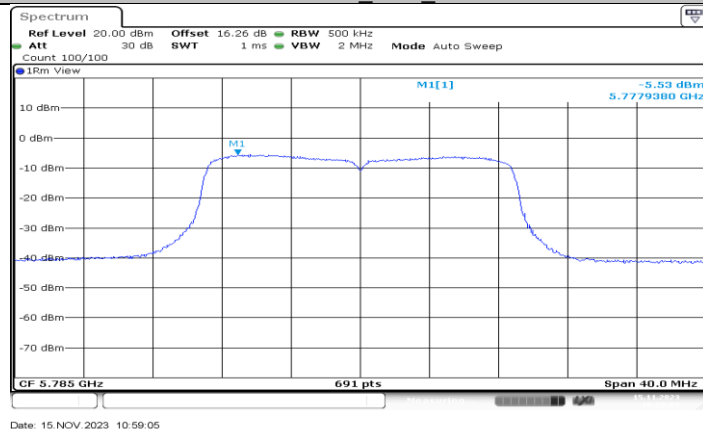
11N20SISO_Ant1_5720_UNII-2C



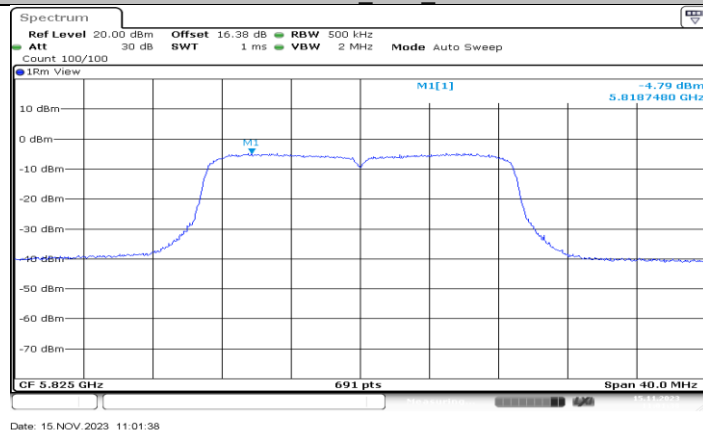
11N20SISO Ant1 5720 UNII-3

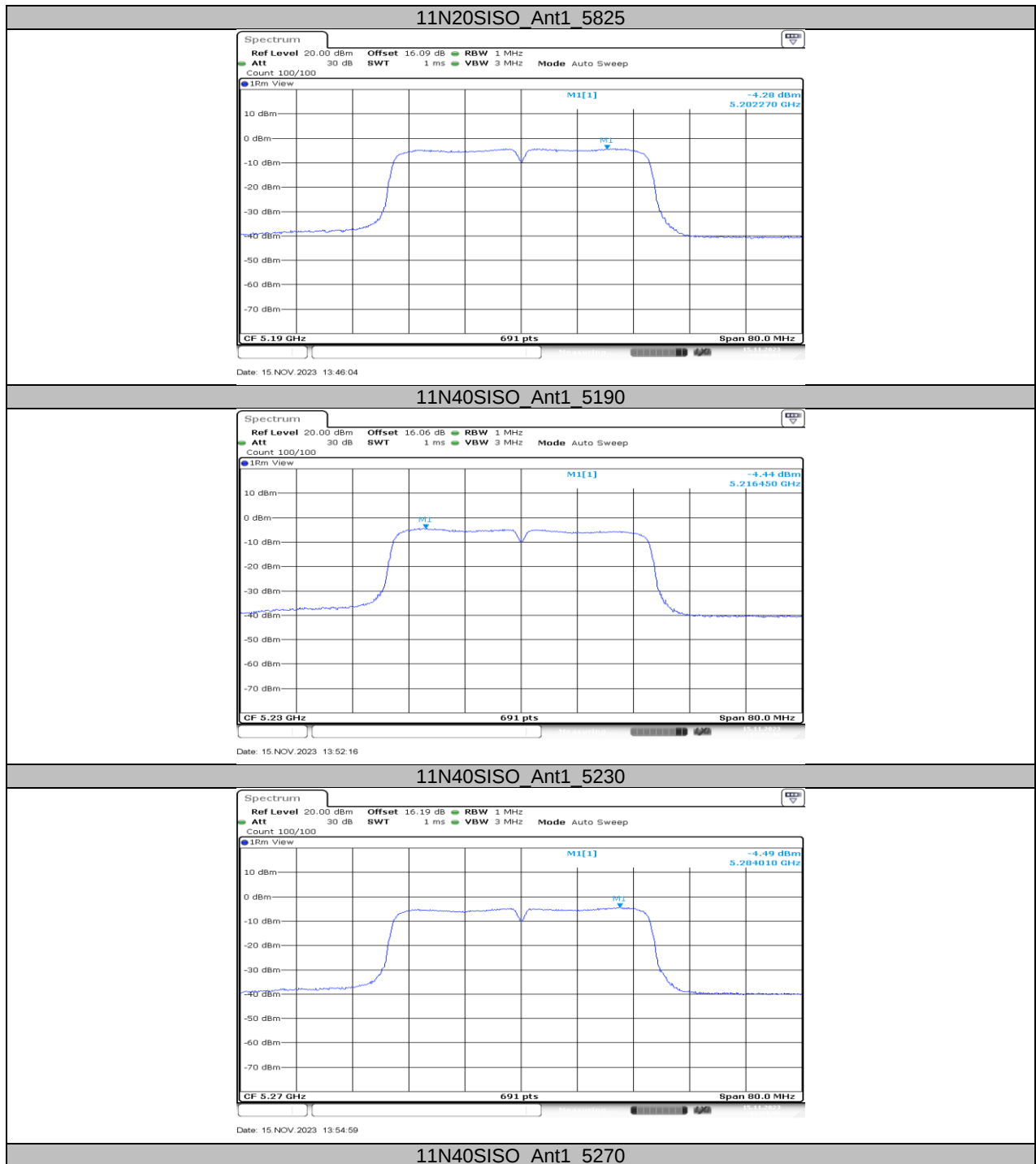


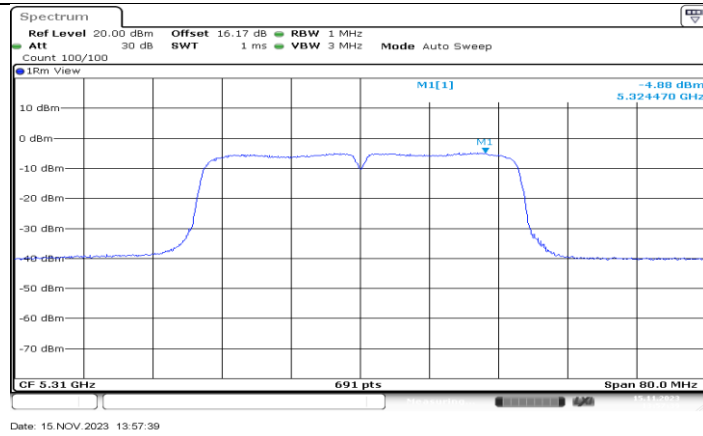
11N20SISO Ant1 5745



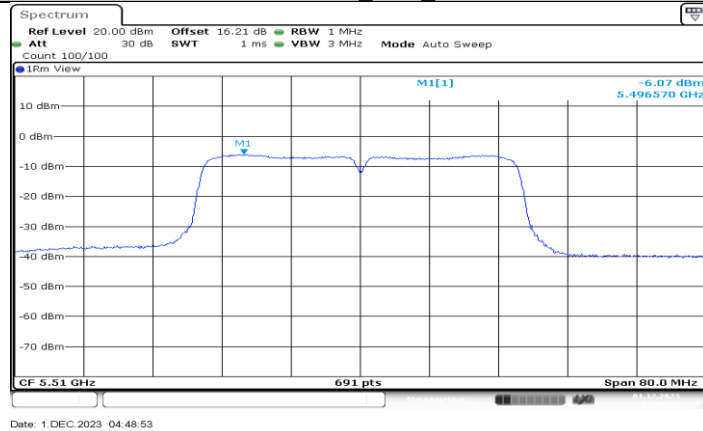
11N20SISO Ant1 5785



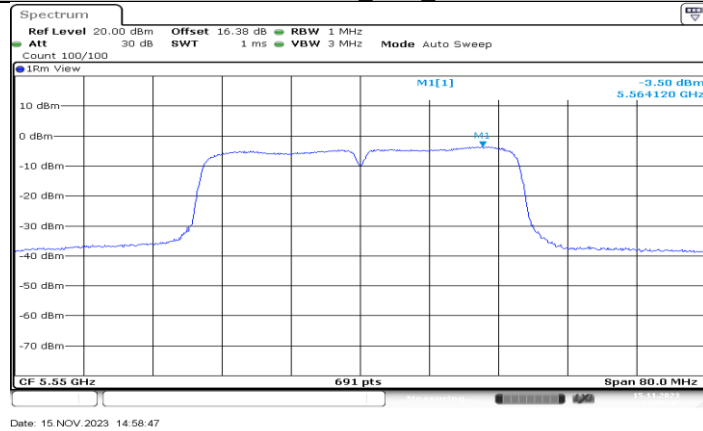




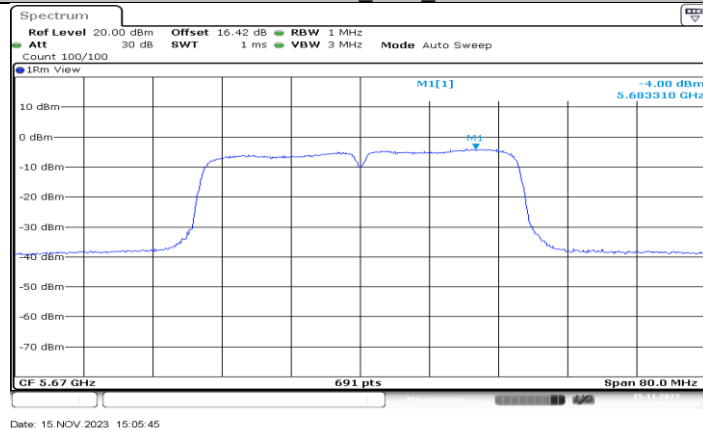
11N40SISO_Ant1_5310



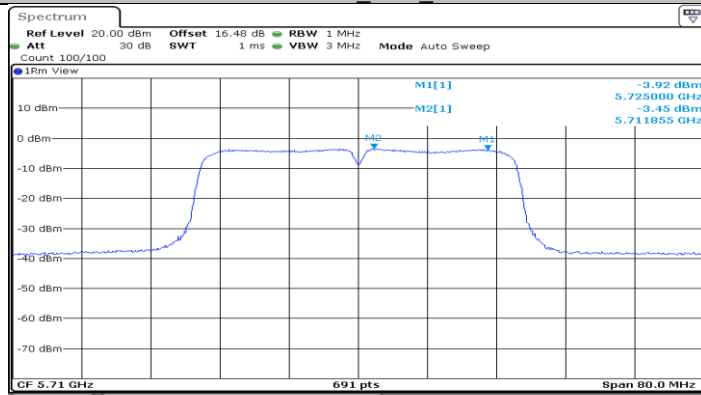
11N40SISO_Ant1_5510



11N40SISO_Ant1_5550

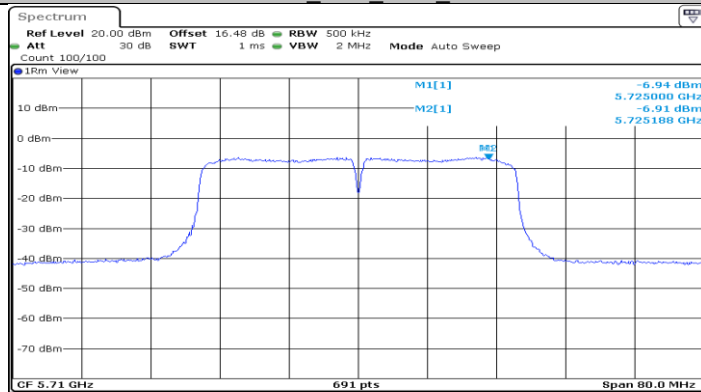


11N40SISO_Ant1_5670



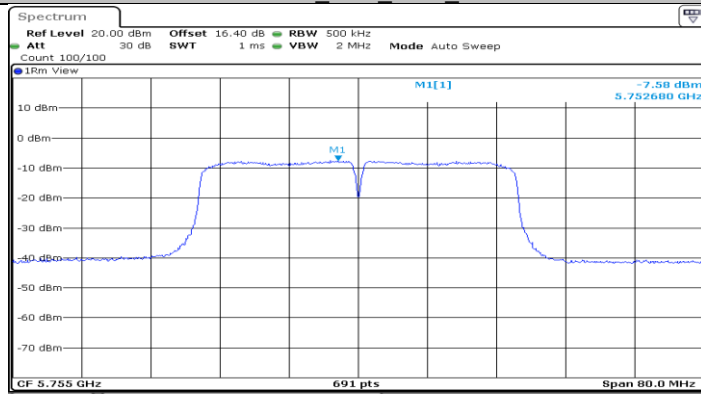
Date: 15 NOV 2023 15:09:15

11N40SISO_Ant1_5710_UNII-2C



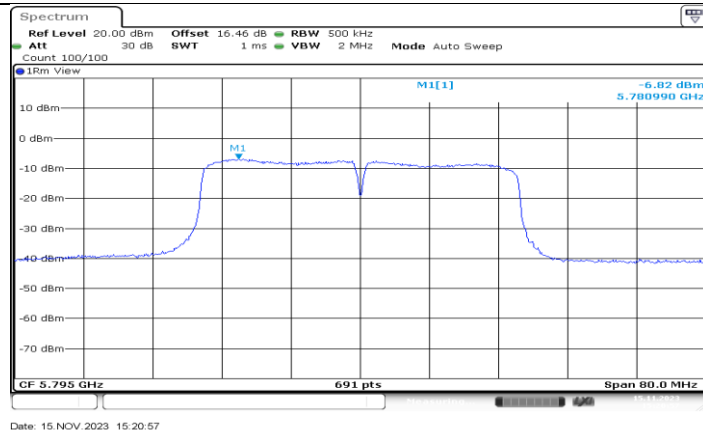
Date: 15 NOV 2023 15:09:39

11N40SISO_Ant1_5710_UNII-3

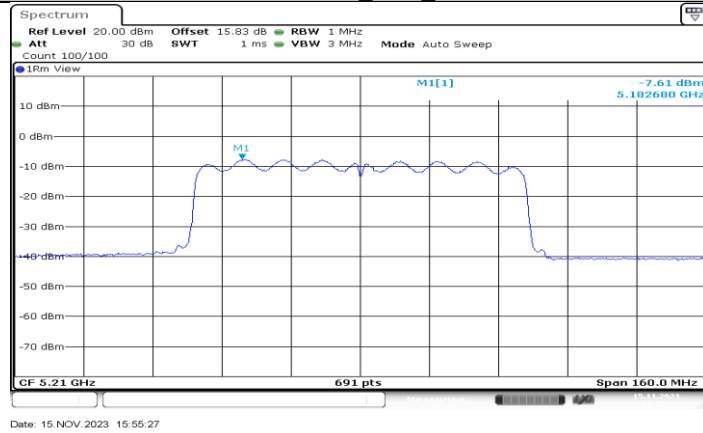


Date: 15 NOV 2023 15:24:06

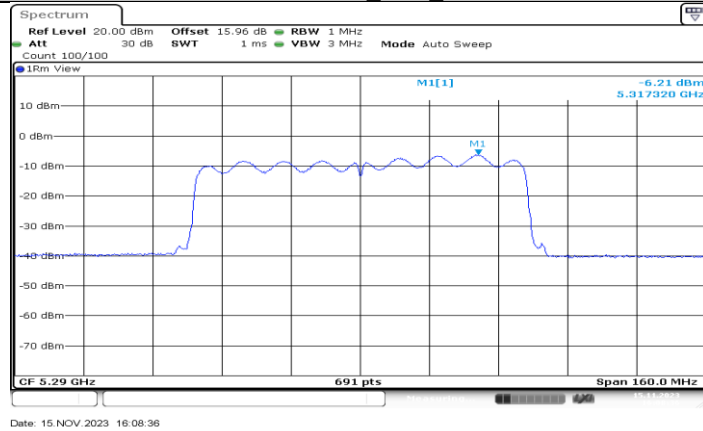
11N40SISO_Ant1_5755



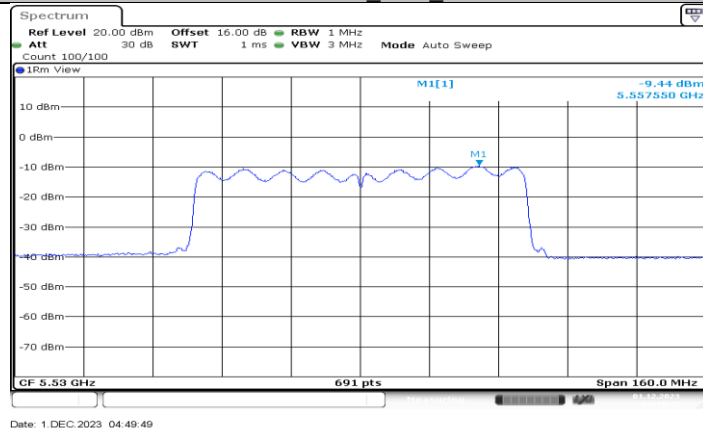
11N40SISO_Ant1_5795

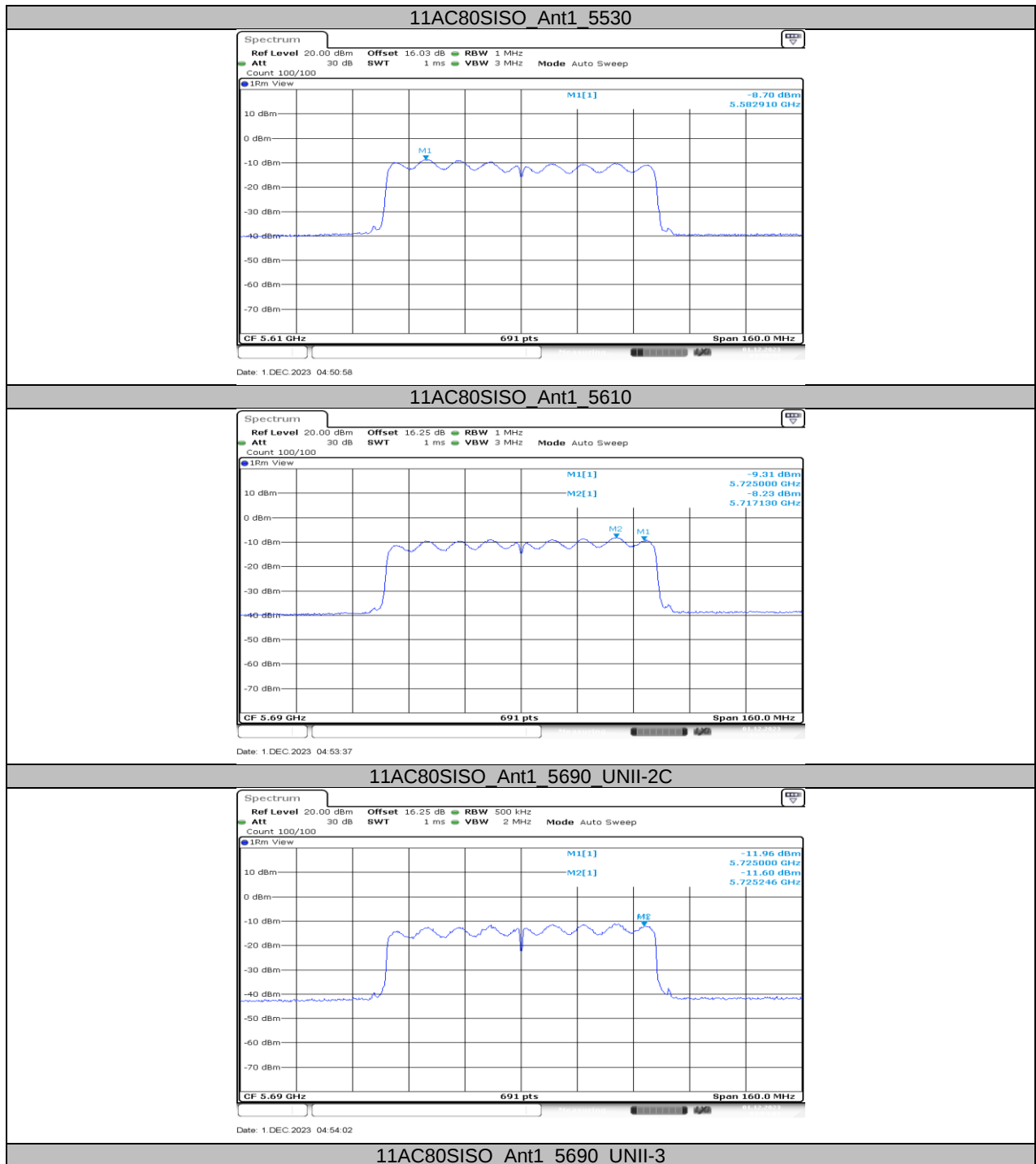


11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290







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:

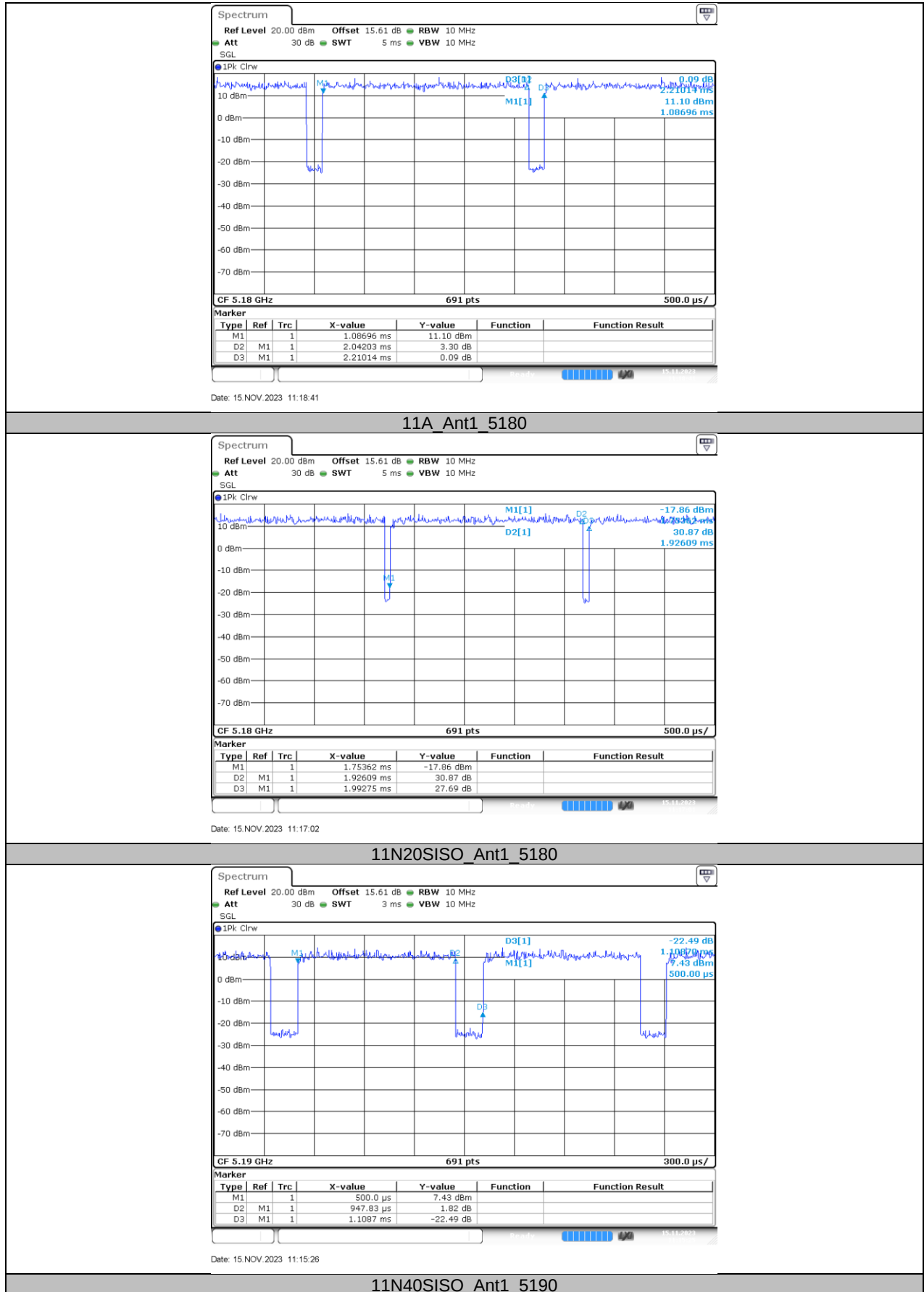
Duty Cycle Correction Factor=10log (1/x).

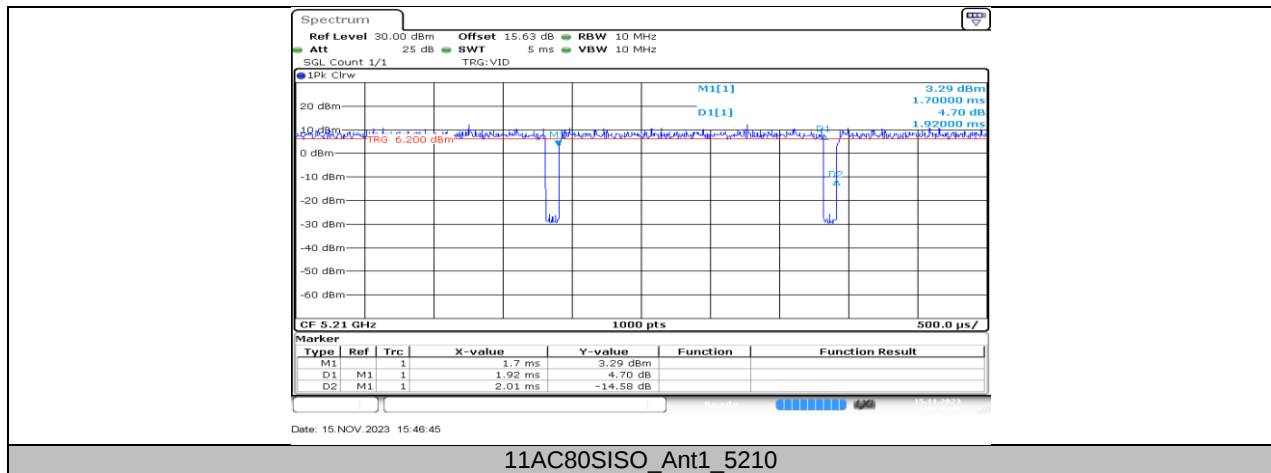
Where: x is Duty Cycle (Linear)

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

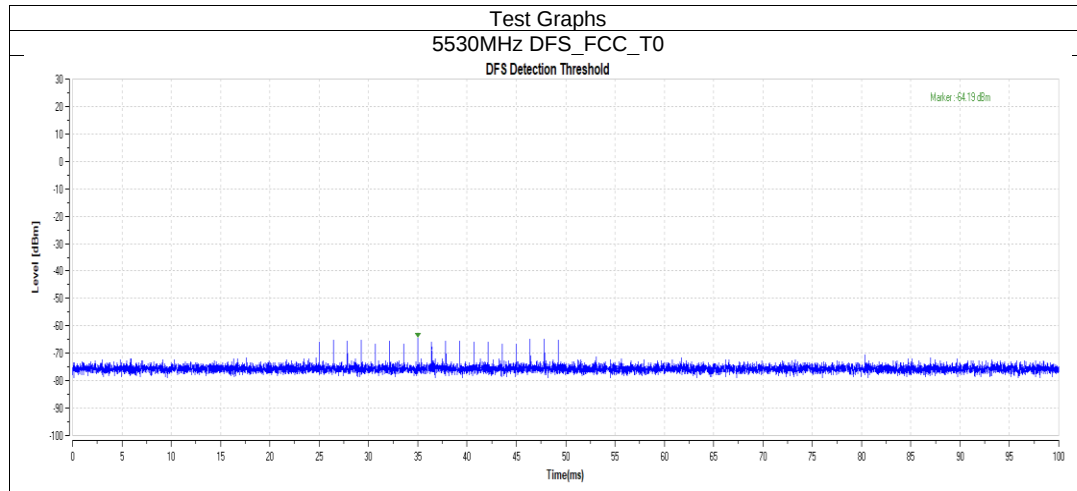




11.8. APPENDIX I :DYNAMIC FREQUENCY SELECTION (SLAVE)

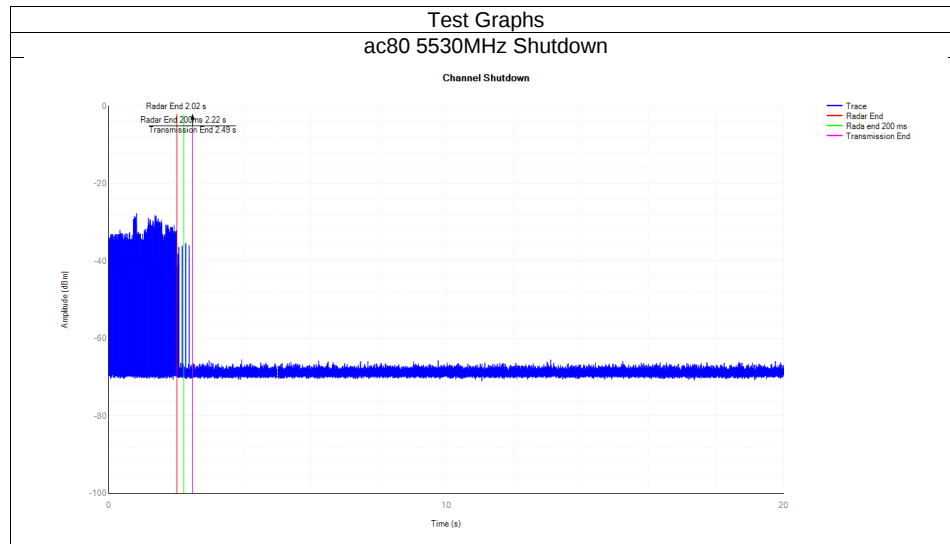
11.8.1. Calibration

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



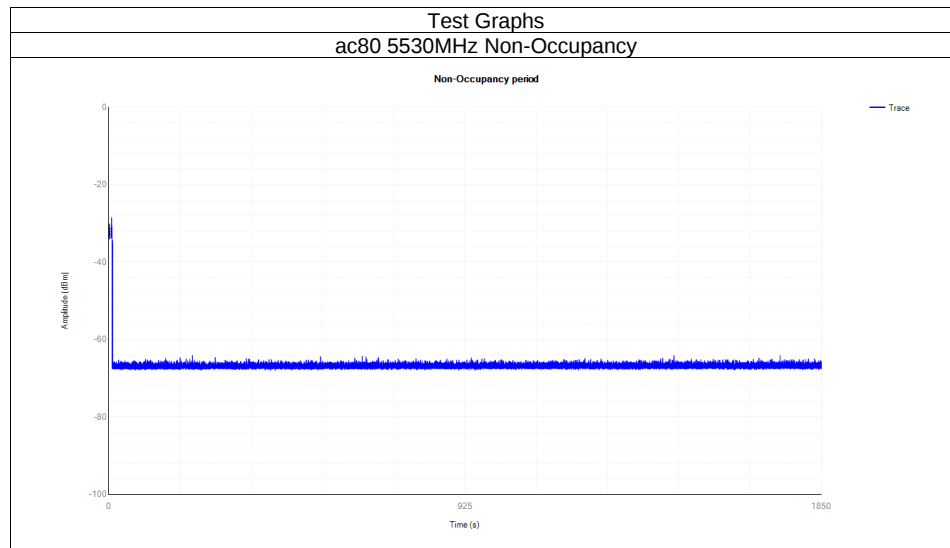
11.8.2. Shutdown Time

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



END OF REPORT