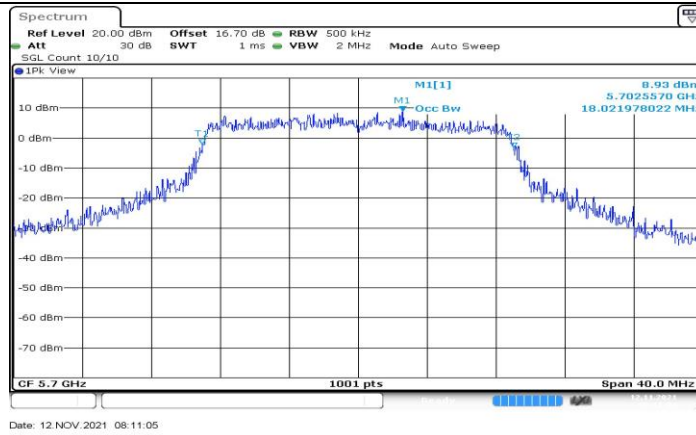
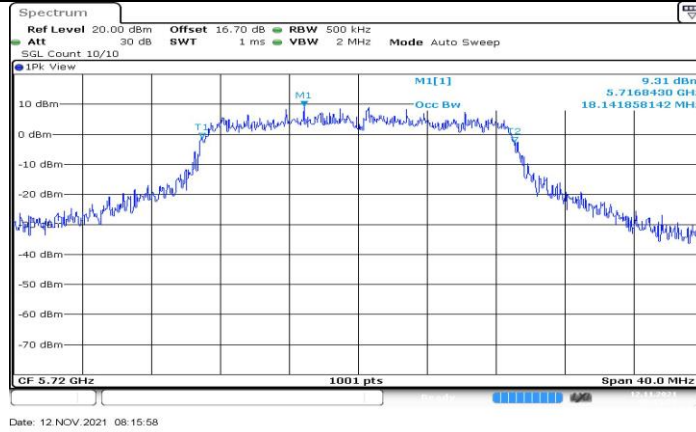
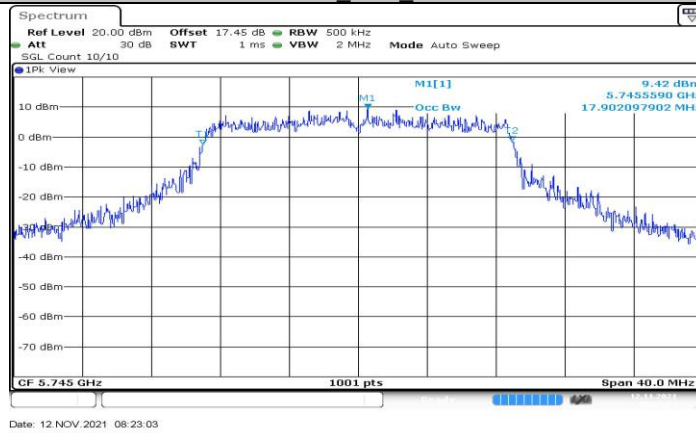




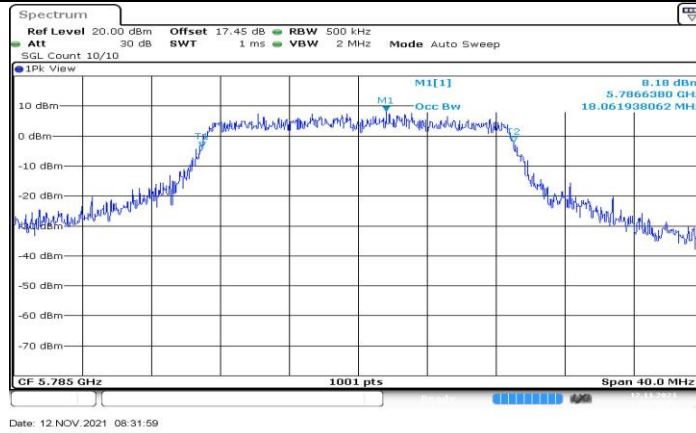
11AC20_Ant1_5700



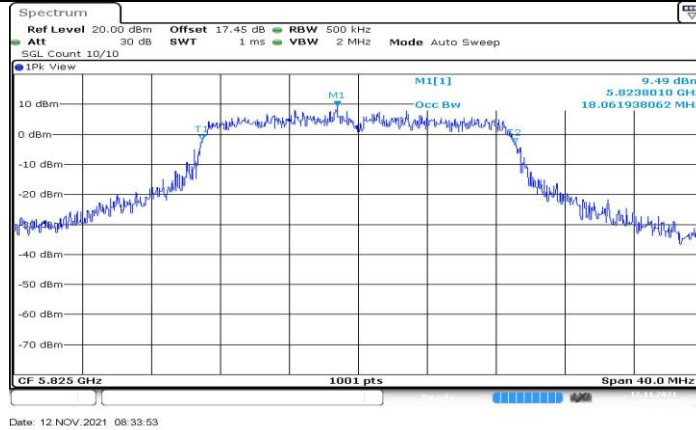
11AC20_Ant1_5720



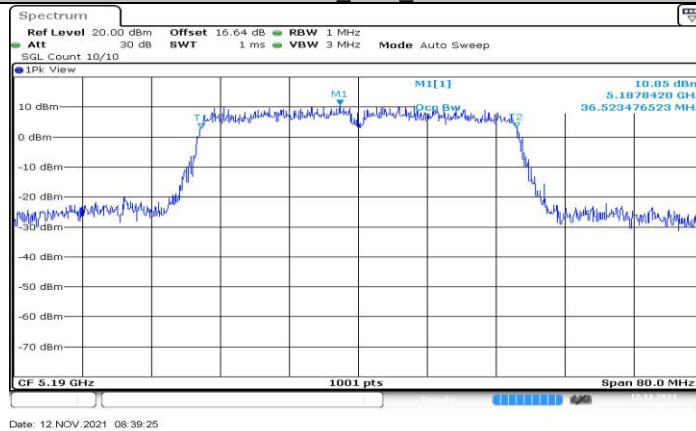
11AC20_Ant1_5745



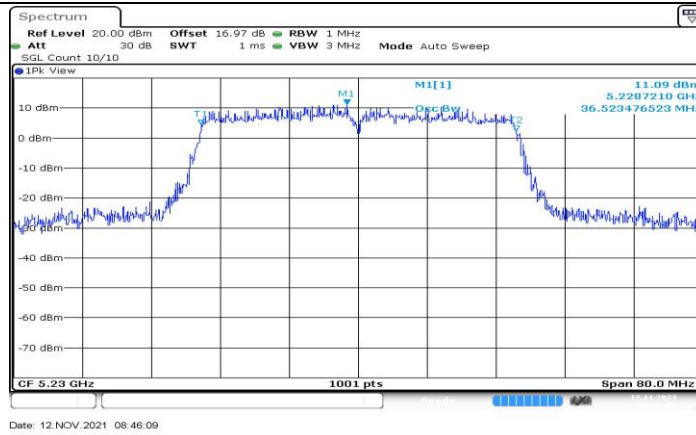
11AC20_Ant1_5785



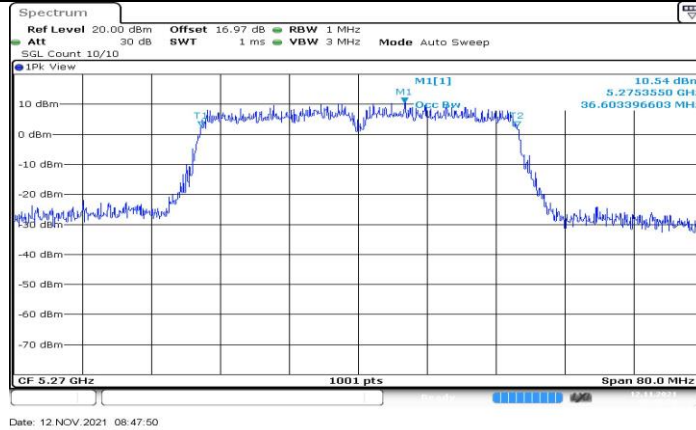
11AC20_Ant1_5825



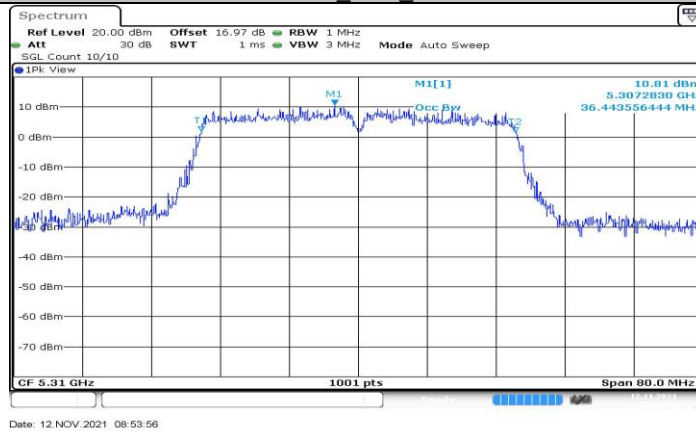
11AC40_Ant1_5190



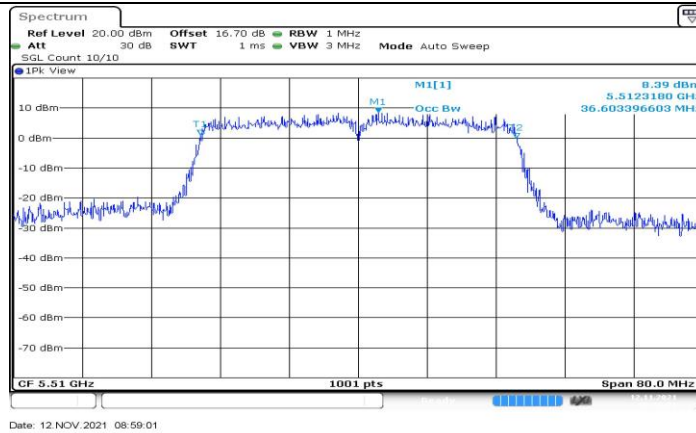
11AC40_Ant1_5230



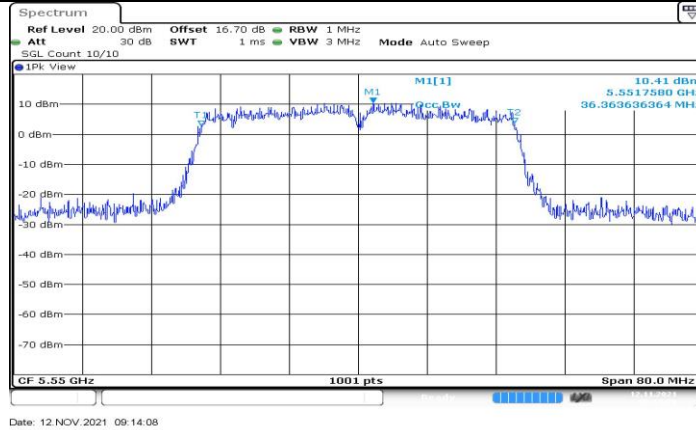
11AC40_Ant1_5270



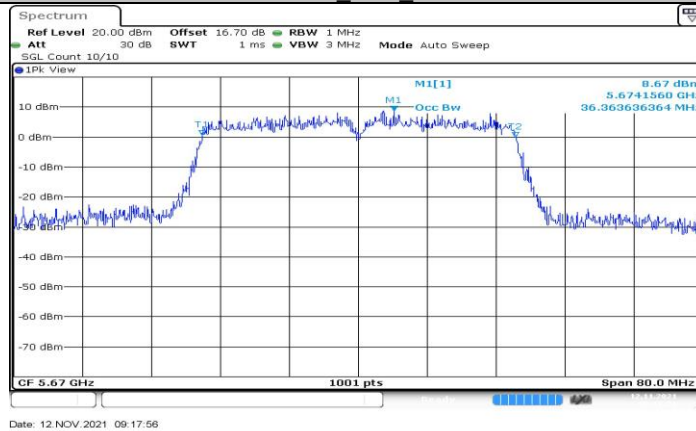
11AC40_Ant1_5310



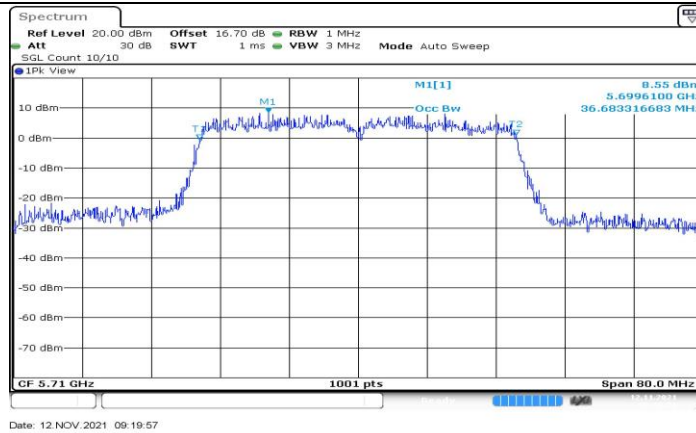
11AC40_Ant1_5510



11AC40_Ant1_5550



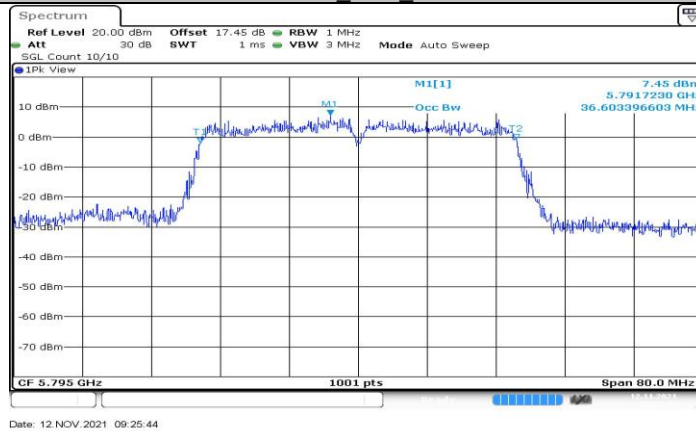
11AC40_Ant1_5670



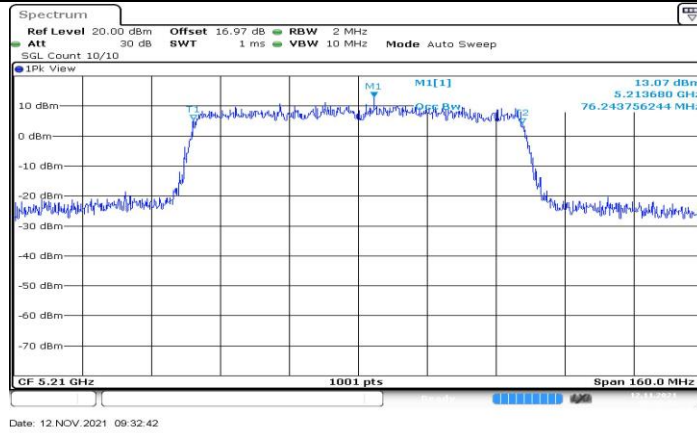
11AC40_Ant1_5710



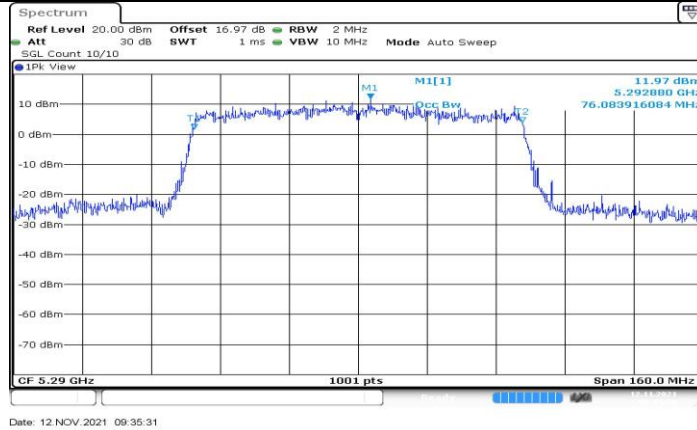
11AC40_Ant1_5755



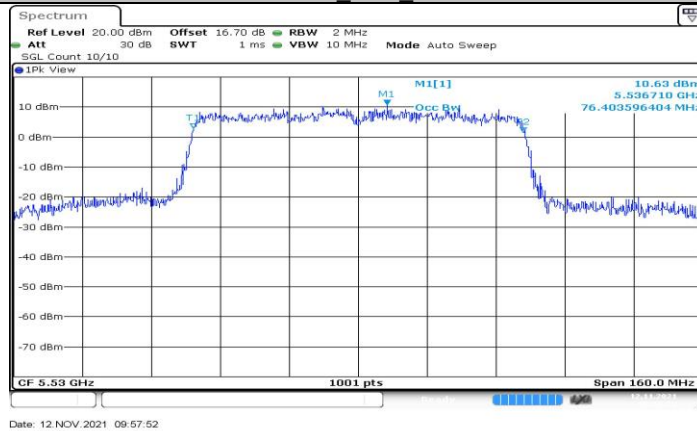
11AC40_Ant1_5795



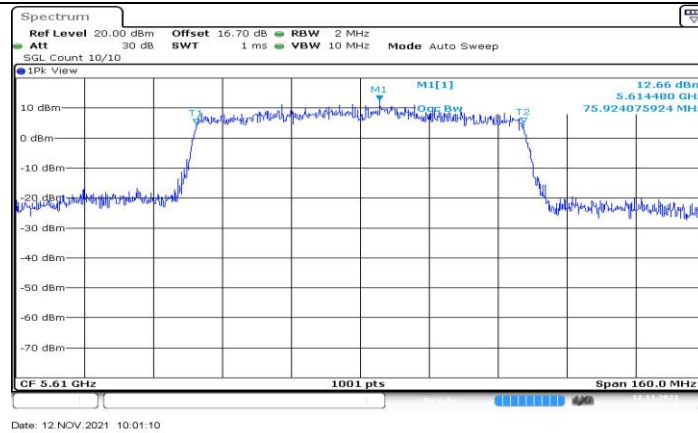
11AC80_Ant1_5210



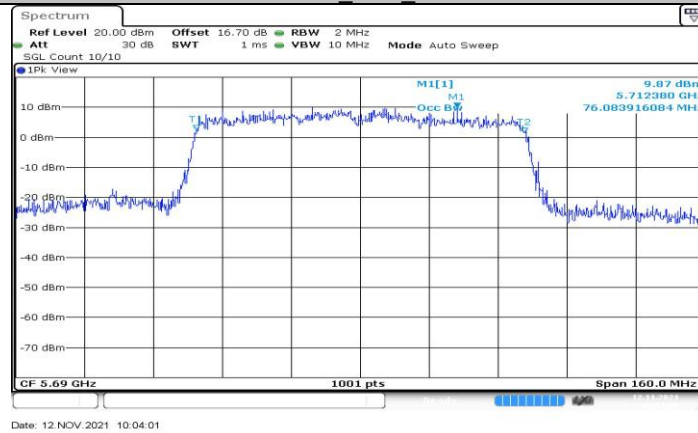
11AC80_Ant1_5290



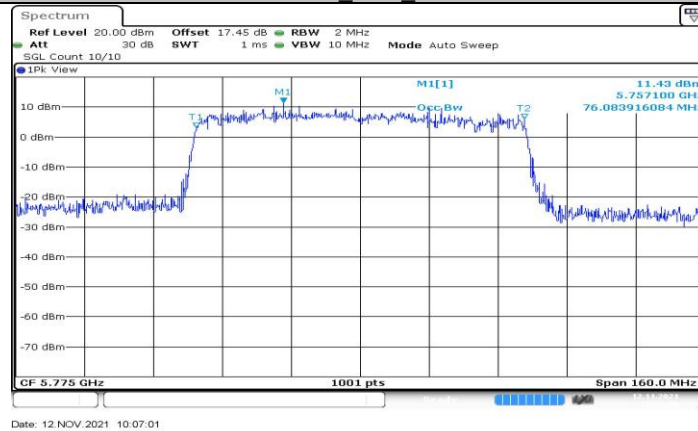
11AC80_Ant1_5530



11AC80_Ant1_5610



11AC80_Ant1_5690



11AC80_Ant1_5775

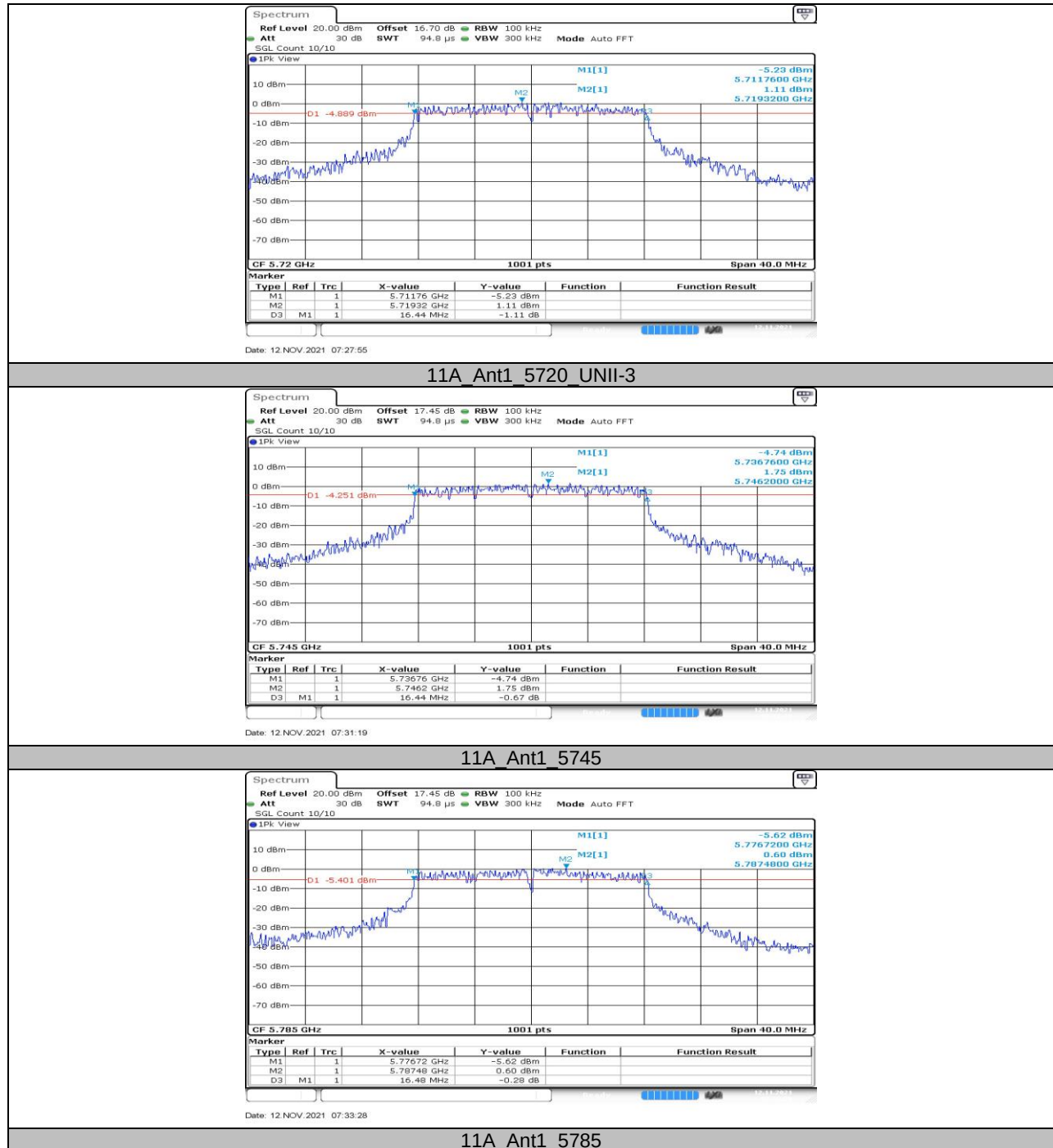


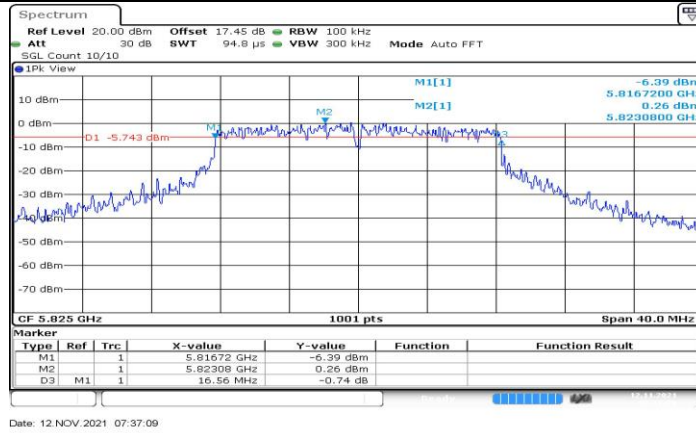
13.3. Appendix A3: Min emission bandwidth

13.3.1. Test Result

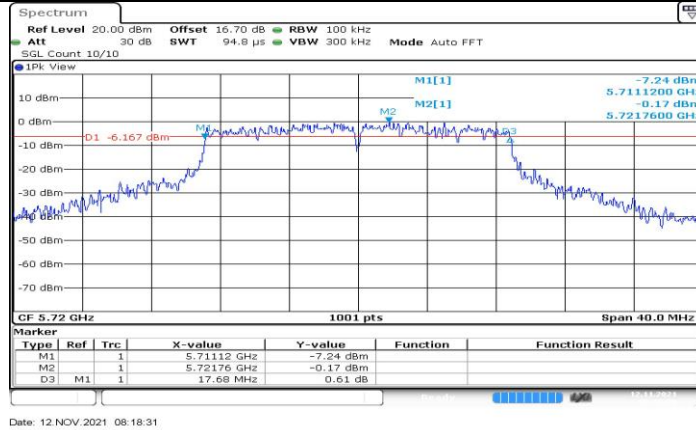
Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720_UNII- 3	3.2	5725	5728.200	0.5	PASS
		5745	16.440	5736.760	5753.200	0.5	PASS
		5785	16.480	5776.720	5793.200	0.5	PASS
		5825	16.560	5816.720	5833.280	0.5	PASS
11AC20	Ant1	5720_UNII- 3	3.8	5725	5728.800	0.5	PASS
		5745	17.680	5736.120	5753.800	0.5	PASS
		5785	17.080	5776.160	5793.240	0.5	PASS
		5825	17.520	5816.080	5833.600	0.5	PASS
11AC40	Ant1	5710_UNII- 3	3.24	5725	5728.240	0.5	PASS
		5755	35.840	5736.680	5772.520	0.5	PASS
		5795	36.080	5776.920	5813.000	0.5	PASS
11AC80	Ant1	5690_UNII- 3	2.76	5725	5727.760	0.5	PASS
		5775	75.520	5737.240	5812.760	0.5	PASS

13.3.2. Test Graphs

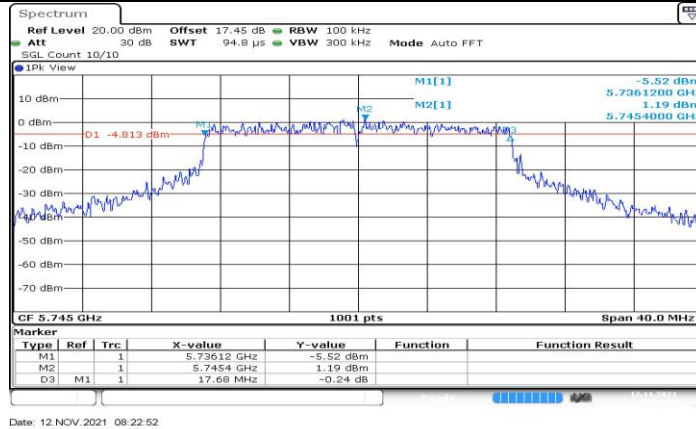




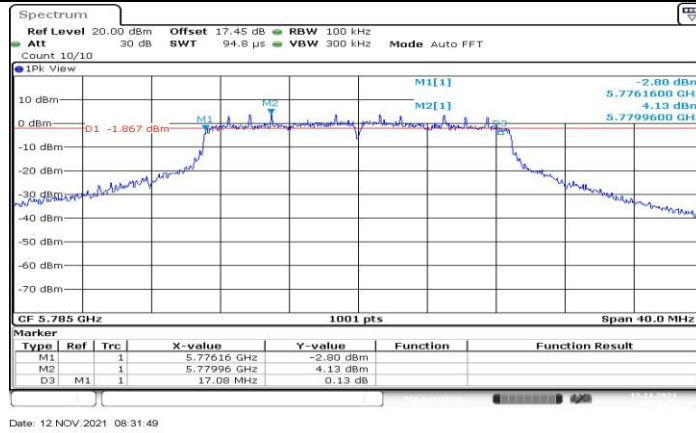
11A Ant1 5825



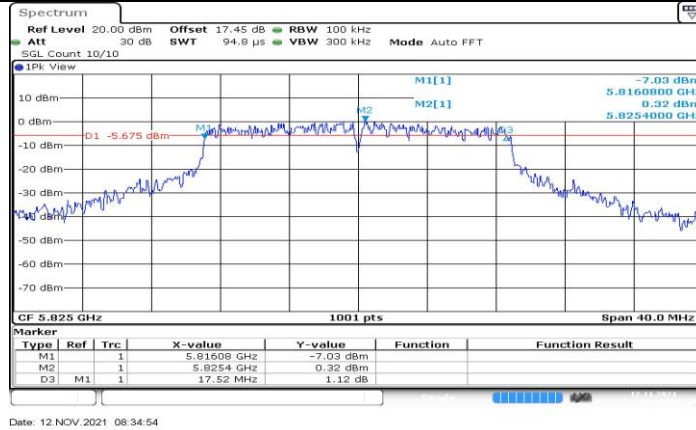
11AC20 Ant1 5720 UNII-3



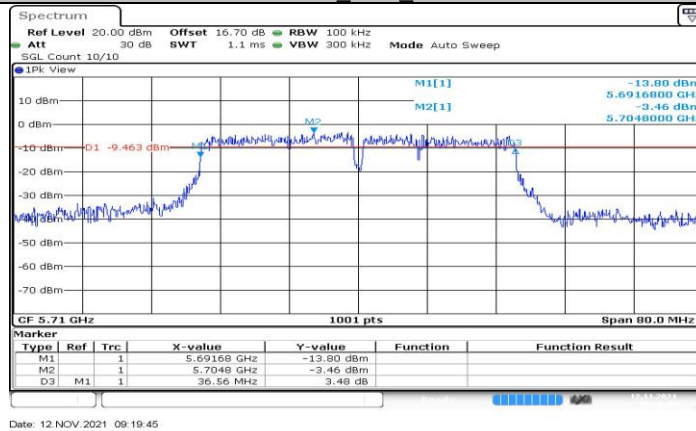
11AC20 Ant1 5745



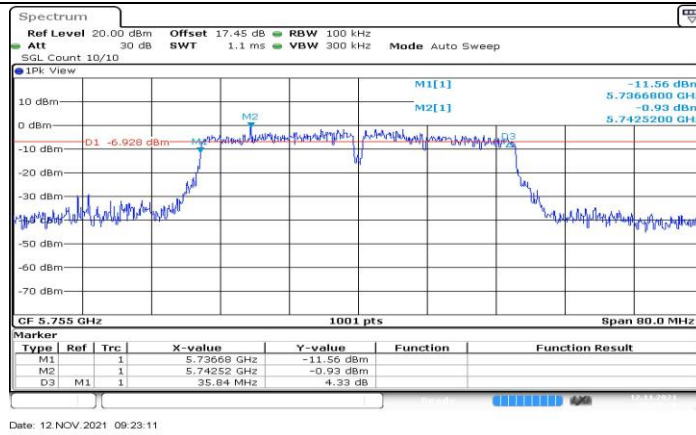
11AC20 Ant1 5785



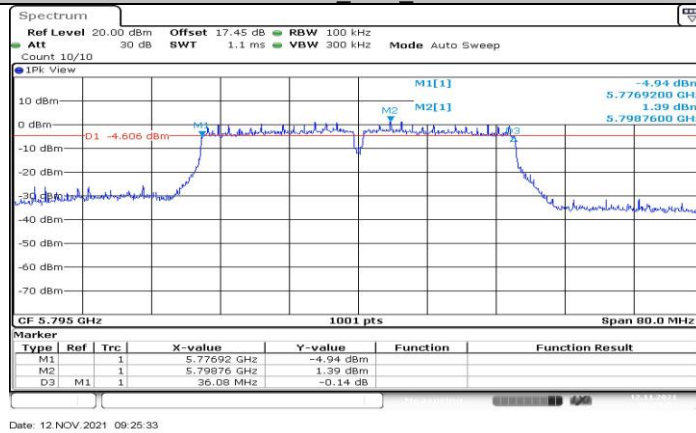
11AC20 Ant1 5825



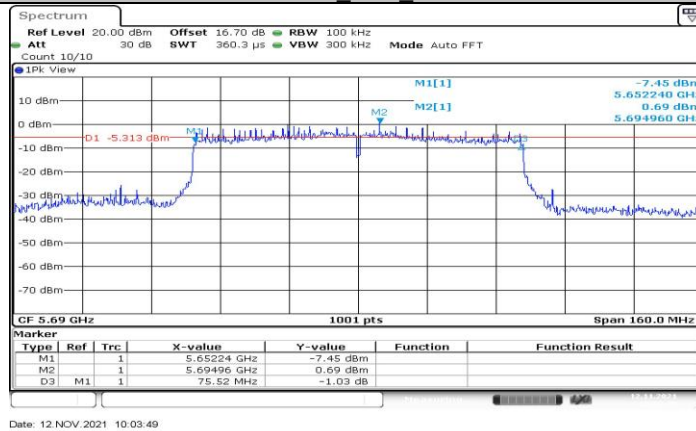
11AC40 Ant1 5710 UNII-3



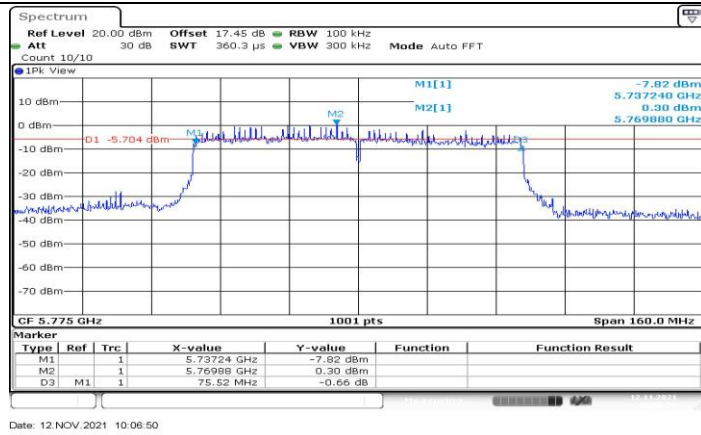
11AC40 Ant1 5755



11AC40 Ant1 5795



11AC80 Ant1 5690 UNII-3



11AC80_Ant1_5775



**13.4. Appendix B: Maximum conducted output power****13.4.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	16.87	≤23.98	---	15.53	≤22.30	PASS
		5200	16.83	≤23.98	---	15.29	≤22.30	PASS
		5240	16.73	≤23.98	---	15.19	≤22.28	PASS
		5260	16.45	≤23.98	≤23.28	14.91	≤29.28	PASS
		5280	16.46	≤23.98	≤23.26	14.92	≤29.26	PASS
		5320	15.70	≤23.98	≤23.28	14.16	≤29.28	PASS
		5500	16.32	≤23.98	≤23.30	14.78	≤29.30	PASS
		5580	16.15	≤23.98	≤23.27	14.61	≤29.27	PASS
		5700	15.85	≤23.98	≤23.29	14.31	≤29.29	PASS
		5720_UNII-2C	14.45	≤23.40	≤22.27	12.91	≤28.27	PASS
		5720_UNII-3	7.50	≤30	≤30	5.96	---	PASS
		5745	16.15	≤30	≤30	14.61	---	PASS
		5785	15.07	≤30	≤30	13.53	---	PASS
		5825	14.74	≤30	≤30	13.20	---	PASS
11AC20	Ant1	5180	17.44	≤23.98	---	15.90	≤22.59	PASS
		5200	16.58	≤23.98	---	15.04	≤22.55	PASS
		5240	16.53	≤23.98	---	14.99	≤22.56	PASS
		5260	16.08	≤23.98	≤23.54	14.54	≤29.54	PASS
		5280	16.33	≤23.98	≤23.54	14.79	≤29.54	PASS
		5320	15.07	≤23.98	≤23.56	13.53	≤29.56	PASS
		5500	15.72	≤23.98	≤23.57	14.18	≤29.57	PASS
		5580	15.70	≤23.98	≤23.58	14.16	≤29.58	PASS
		5700	15.05	≤23.98	≤23.56	13.51	≤29.56	PASS
		5720_UNII-2C	13.71	≤23.45	≤22.48	12.17	≤28.48	PASS
		5720_UNII-3	7.35	≤30	≤30	5.81	---	PASS
		5745	15.45	≤30	≤30	13.91	---	PASS
		5785	14.61	≤30	≤30	13.07	---	PASS
		5825	14.64	≤30	≤30	13.10	---	PASS
11AC40	Ant1	5190	17.63	≤23.98	---	16.09	≤23	PASS
		5230	17.14	≤23.98	---	15.60	≤23	PASS
		5270	16.41	≤23.98	≤23.98	14.87	≤30	PASS
		5310	15.99	≤23.98	≤23.98	14.45	≤30	PASS
		5510	14.94	≤23.98	≤23.98	13.40	≤30	PASS
		5550	15.98	≤23.98	≤23.98	15.20	≤30	PASS
		5670	14.48	≤23.98	≤23.98	12.94	≤30	PASS
		5710_UNII-2C	13.96	≤23.98	≤23.98	12.42	≤30	PASS
		5710_UNII-3	2.18	≤30	≤30	0.64	---	PASS
		5755	15.24	≤30	≤30	13.70	---	PASS
		5795	14.30	≤30	≤30	12.76	---	PASS
11AC80	Ant1	5210	17.41	≤23.98	---	15.87	≤23	PASS
		5290	16.44	≤23.98	≤23.98	14.90	≤30	PASS
		5530	16.57	≤23.98	≤23.98	15.03	≤30	PASS
		5610	16.98	≤23.98	≤23.98	15.44	≤30	PASS
		5690_UNII-2C	15.72	≤23.98	≤23.98	14.18	≤30	PASS
		5690_UNII-3	0.86	≤30	≤30	-0.68	---	PASS
		5775	15.96	≤30	≤30	14.62	---	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.



13.5. Appendix C: Maximum power spectral density

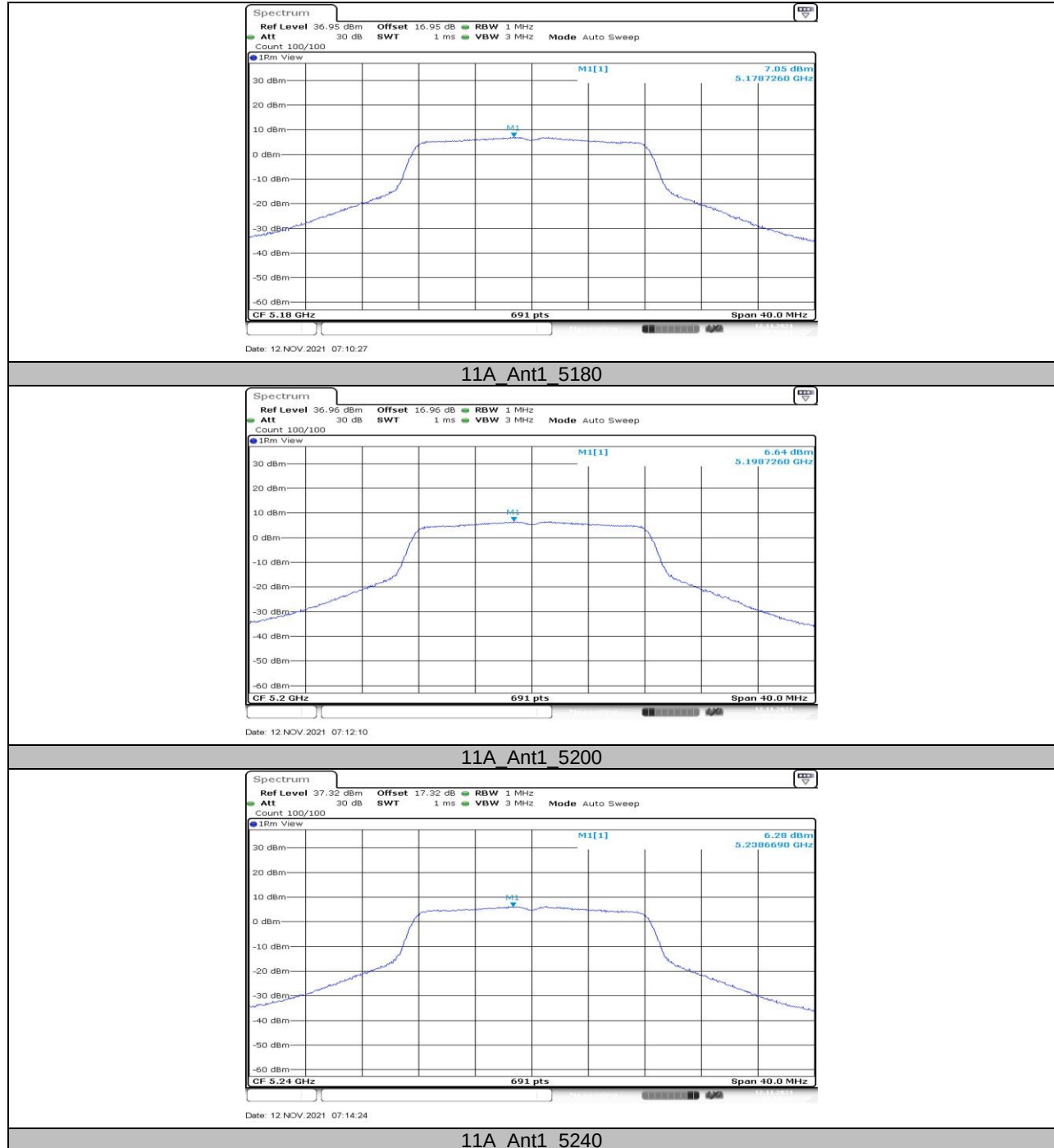
13.5.1. Test Result

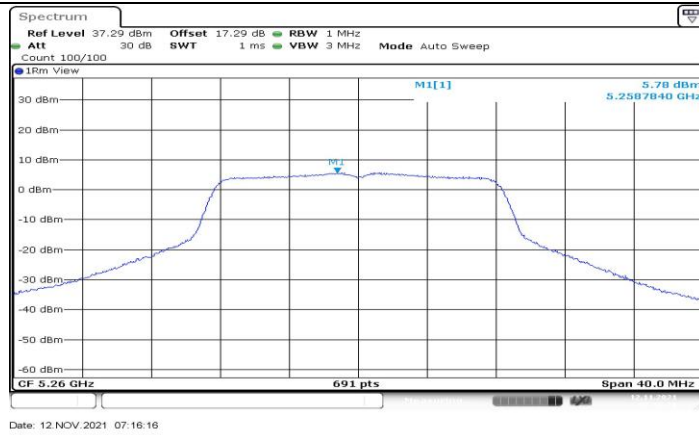
Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	7.05	≤11	5.71	≤10	PASS
		5200	6.64	≤11	5.30	≤10	PASS
		5240	6.28	≤11	4.94	≤10	PASS
		5260	5.78	≤11	---	---	PASS
		5280	5.76	≤11	---	---	PASS
		5320	4.93	≤11	---	---	PASS
		5500	5.57	≤11	---	---	PASS
		5580	5.45	≤11	---	---	PASS
		5700	5.3	≤11	---	---	PASS
		5720_UNII-2C	4.47	≤11	---	---	PASS
		5720_UNII-3	0.29	≤11	---	---	PASS
		5745	2.63	≤30	---	---	PASS
		5785	1.5	≤30	---	---	PASS
		5825	1.27	≤30	---	---	PASS
11AC20	Ant1	5180	6.51	≤11	5.17	≤10	PASS
		5200	5.62	≤11	4.28	≤10	PASS
		5240	5.46	≤11	4.12	≤10	PASS
		5260	5.3	≤11	---	---	PASS
		5280	5.32	≤11	---	---	PASS
		5320	4.28	≤11	---	---	PASS
		5500	4.88	≤11	---	---	PASS
		5580	4.76	≤11	---	---	PASS
		5700	4.25	≤11	---	---	PASS
		5720_UNII-2C	3.81	≤11	---	---	PASS
		5720_UNII-3	-0.76	≤11	---	---	PASS
		5745	1.87	≤30	---	---	PASS
		5785	0.83	≤30	---	---	PASS
		5825	-0.32	≤30	---	---	PASS
11AC40	Ant1	5190	3.26	≤11	1.92	≤10	PASS
		5230	3.06	≤11	1.72	≤10	PASS
		5270	2.68	≤11	---	---	PASS
		5310	1.06	≤11	---	---	PASS
		5510	1.45	≤11	---	---	PASS
		5550	1.63	≤11	---	---	PASS
		5670	0.84	≤11	---	---	PASS
		5710_UNII-2C	0.15	≤11	---	---	PASS
		5710_UNII-3	-4.51	≤11	---	---	PASS
		5755	-1.15	≤30	---	---	PASS
		5795	-2.32	≤30	---	---	PASS
11AC80	Ant1	5210	0.67	≤11	-0.67	≤10	PASS
		5290	-2.84	≤11	---	---	PASS
		5530	-0.6	≤11	---	---	PASS
		5610	0.57	≤11	---	---	PASS
		5690_UNII-2C	-0.72	≤11	---	---	PASS
		5690_UNII-3	-6.45	≤11	---	---	PASS
		5775	-3.87	≤30	---	---	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.

13.5.2. Test Graphs





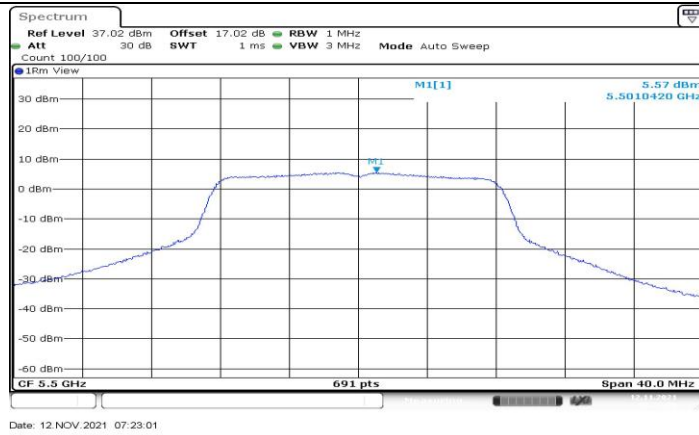
11A Ant1 5260



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



11AC20 Ant1 5180



11AC20_Ant1_5200



11AC20_Ant1_5240



11AC20_Ant1_5260



11AC20_Ant1_5280



11AC20_Ant1_5320



11AC20_Ant1_5500



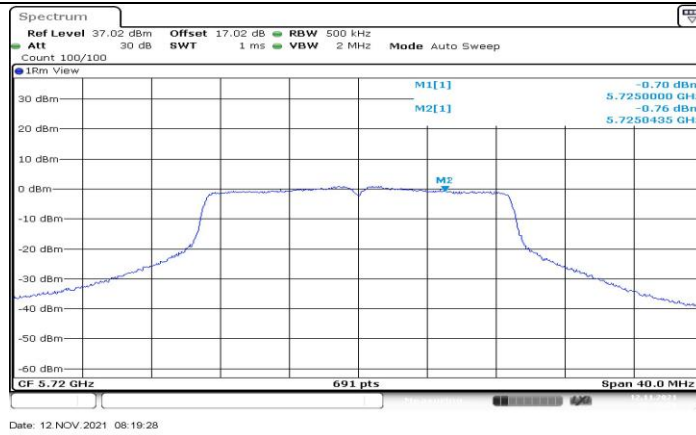
11AC20 Ant1_5580



11AC20 Ant1_5700



11AC20 Ant1_5720 UNII-2C



11AC20 Ant1 5720 UNII-3



11AC20 Ant1 5745



11AC20 Ant1 5785



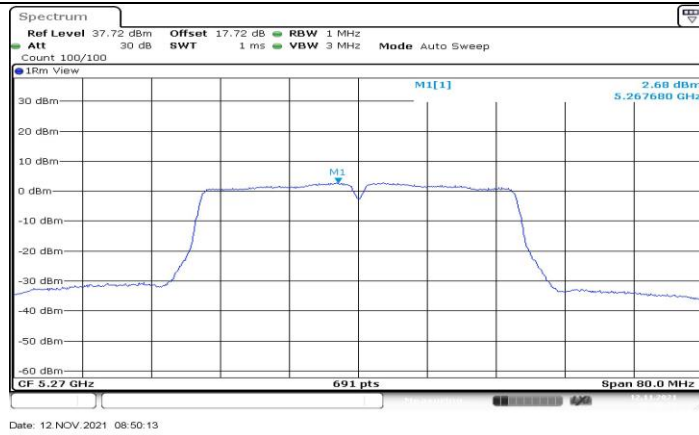
11AC20_Ant1_5825



11AC40_Ant1_5190



11AC40_Ant1_5230



11AC40_Ant1_5270



11AC40_Ant1_5310



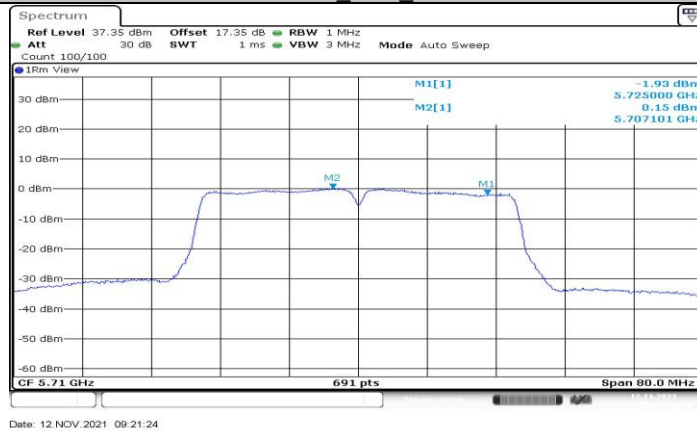
11AC40_Ant1_5510



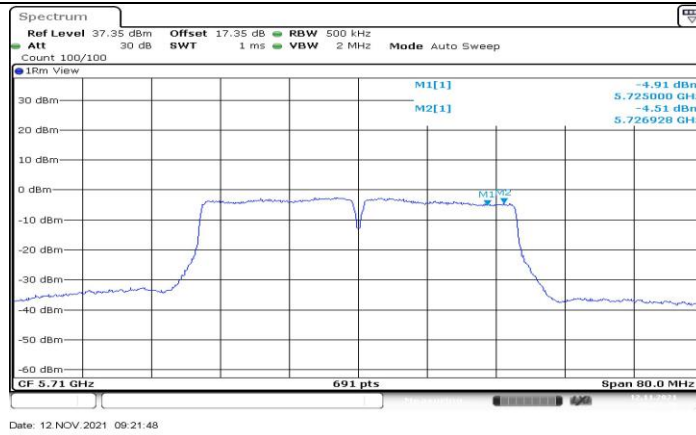
11AC40_Ant1_5550



11AC40_Ant1_5670



11AC40_Ant1_5710_UNII-2C



11AC40_Ant1_5710_UNII-3



11AC40_Ant1_5755



11AC40_Ant1_5795



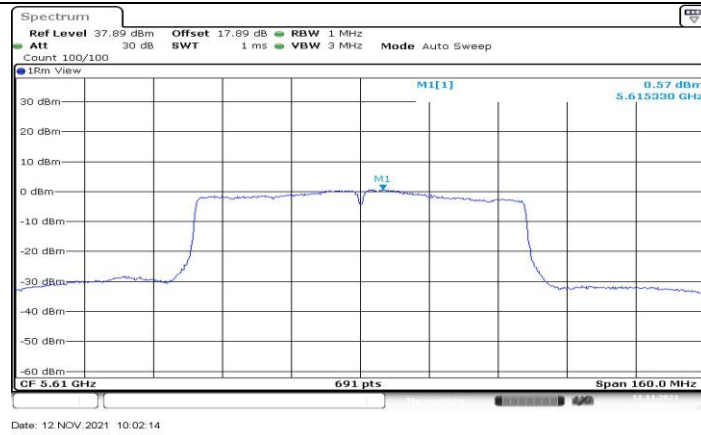
11AC80_Ant1_5210



11AC80_Ant1_5290



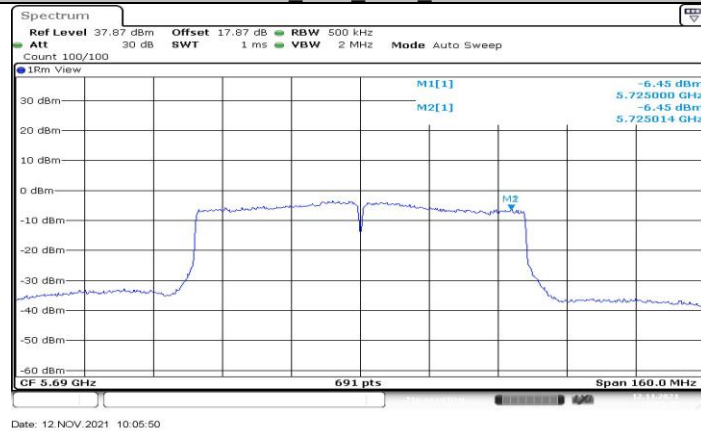
11AC80_Ant1_5530



11AC80 Ant1_5610



11AC80 Ant1_5690 UNII-2C



11AC80 Ant1_5690 UNII-3





13.6. Appendix D: Duty Cycle

13.6.1. 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	2.00	2.15	0.9302	93.02	0.31	0.50	0.5
11AC20	1.69	1.83	0.9235	92.35	0.35	0.59	1
11AC40	0.83	0.95	0.8737	87.37	0.59	1.20	2
11AC80	0.41	0.55	0.7455	74.55	1.28	2.44	3

Note:

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

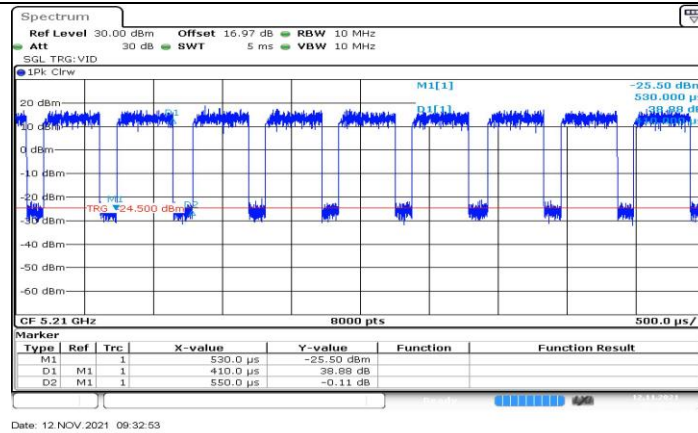
Where: x is Duty Cycle (Linear)

Where: T is On Time

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

13.6.2. Test Graphs





11AC80_Ant1_5210



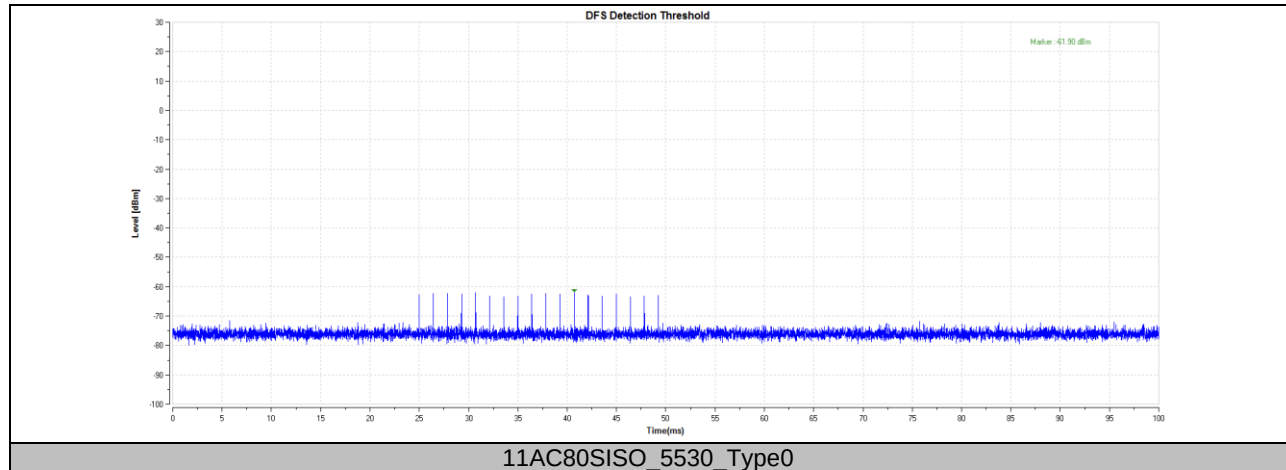
13.7. Appendix E: DFS Detection Thresholds

13.7.1. Test Result

Test Mode	Channel	Radar Type	Result	Verdict
11AC80SISO	5530	Type0	-61.90	PASS



13.7.2. Test Graphs



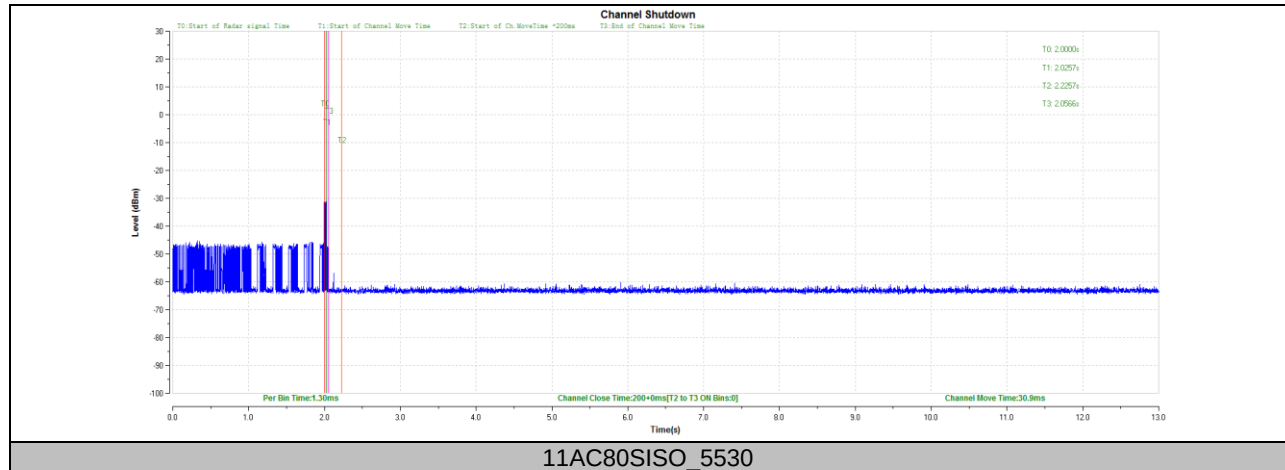


13.8. Appendix F: Channel Move Time and Channel Closing Transmission Time

13.8.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5530	200+0	200+60	30.9	10000	PASS

13.8.2. Test Graphs





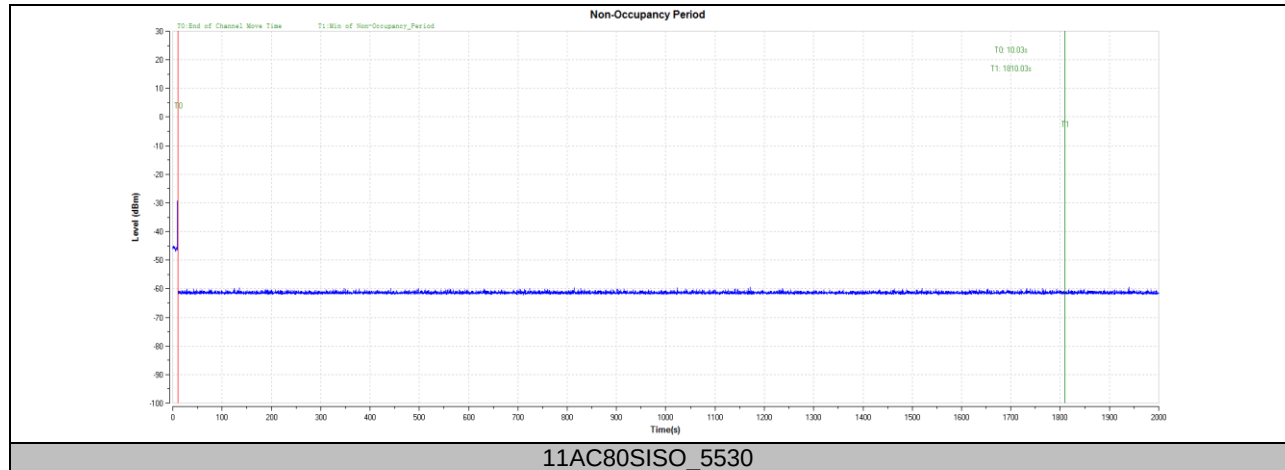
13.9. Appendix G: Non-Occupancy Period

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80SISO	5530	see test graph	≥1800	PASS



13.9.1. Test Graphs



**13.10. Appendix H: Frequency Stability****13.10.1. Test Result**

Frequency Error vs. Voltage									
802.11a20:5200MHz									
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	5199.9787	-4.09	5199.9861	-2.67	5199.9761	-4.60	5200.0236	4.54
TN	VN	5200.0073	1.40	5200.0094	1.81	5199.9768	-4.46	5199.9897	-1.98
TN	VH	5199.9956	-0.84	5200.0003	0.06	5199.9855	-2.79	5200.0235	4.52
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	5199.9947	-1.02	5199.9760	-4.61	5199.9980	-0.39	5199.9758	-4.65
40	VN	5199.9835	-3.17	5200.0130	2.50	5199.9766	-4.51	5200.0161	3.09
30	VN	5199.9939	-1.17	5199.9839	-3.10	5199.9906	-1.81	5199.9835	-3.18
20	VN	5200.0027	0.53	5199.9882	-2.26	5199.9871	-2.47	5200.0024	0.46
10	VN	5200.0071	1.36	5199.9987	-0.26	5199.9819	-3.48	5200.0134	2.57
0	VN	5200.0216	4.16	5199.9823	-3.41	5200.0041	0.80	5200.0051	0.99
-10	VN	5200.0146	2.80	5200.0213	4.10	5199.9813	-3.59	5200.0050	0.96

Note:

1. All antennas and test modes have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 10 TEST ENVIRONMENT.

END OF REPORT