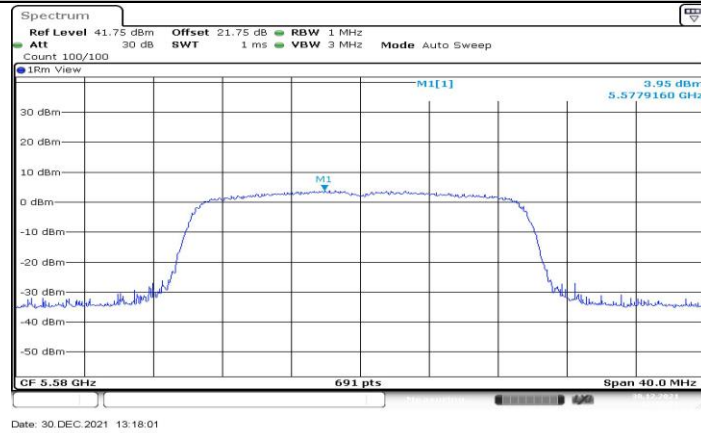
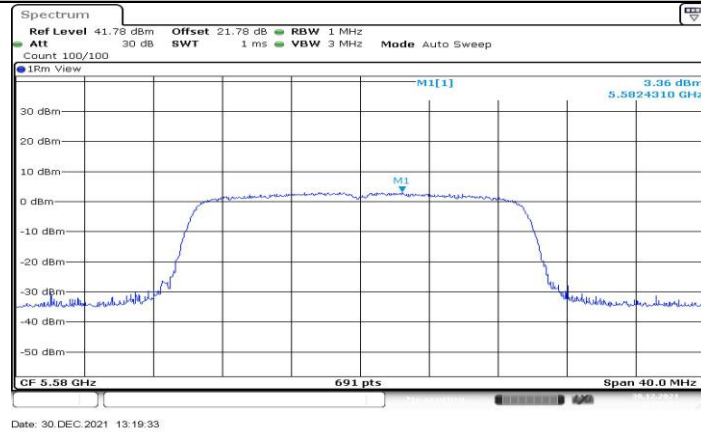


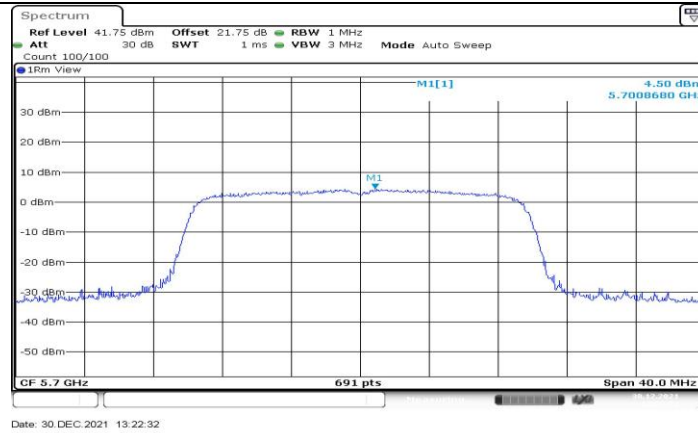
11AX20MIMO_Ant2_5500



11AX20MIMO_Ant1_5580



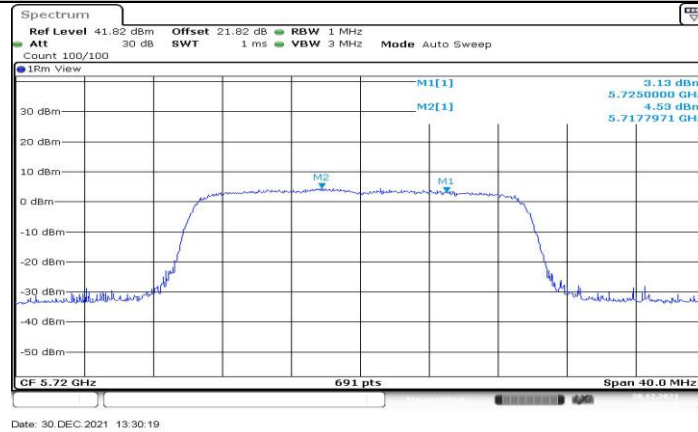
11AX20MIMO_Ant2_5580



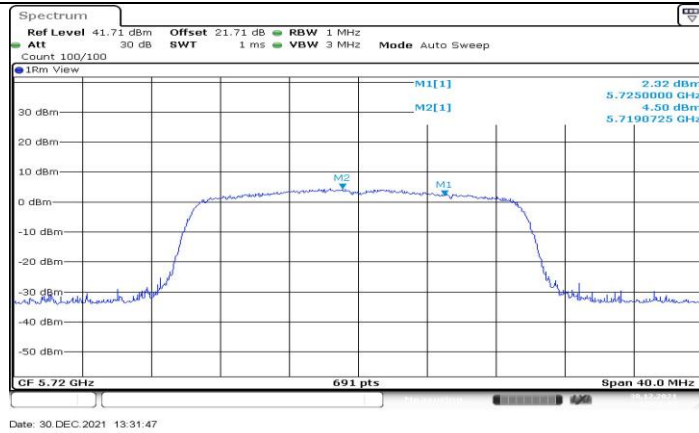
11AX20MIMO_Ant1_5700



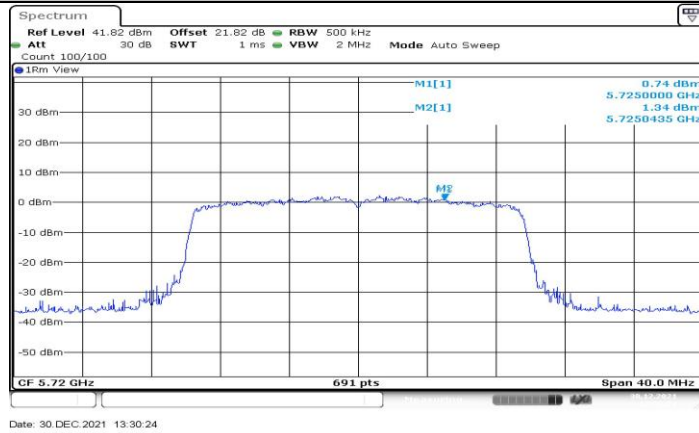
11AX20MIMO_Ant2_5700



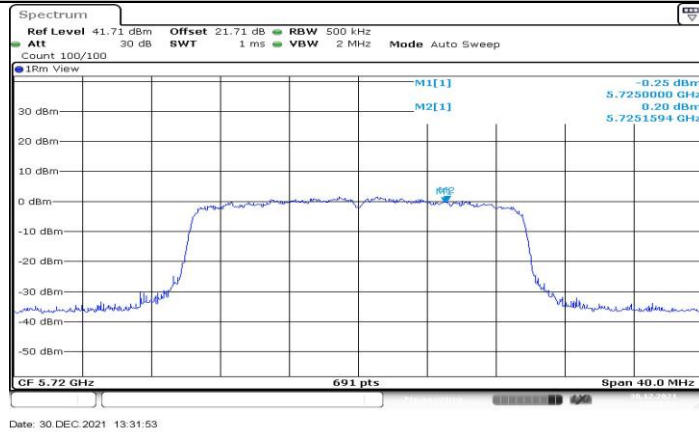
11AX20MIMO_Ant1_5720_UNII-2C



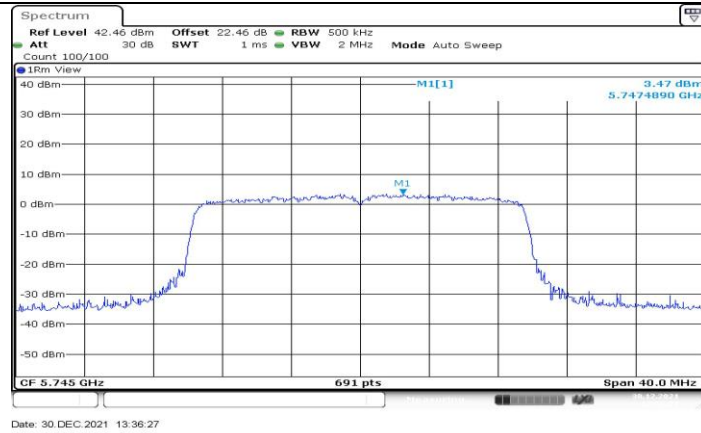
11AX20MIMO_Ant2_5720_UNII-2C



11AX20MIMO_Ant1_5720_UNII-3



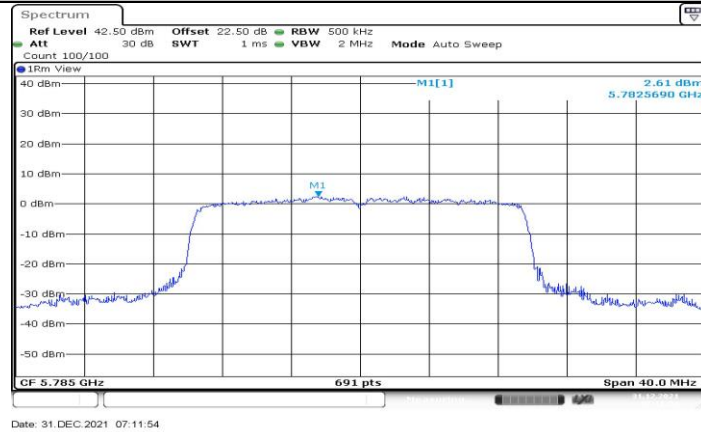
11AX20MIMO_Ant2_5720_UNII-3



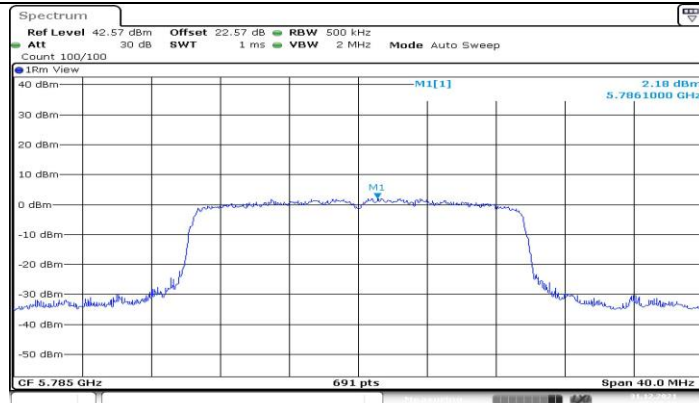
11AX20MIMO_Ant1_5745



11AX20MIMO_Ant2_5745

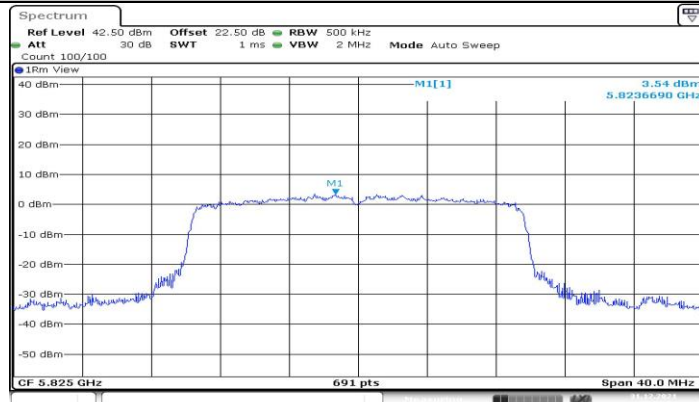


11AX20MIMO_Ant1_5785



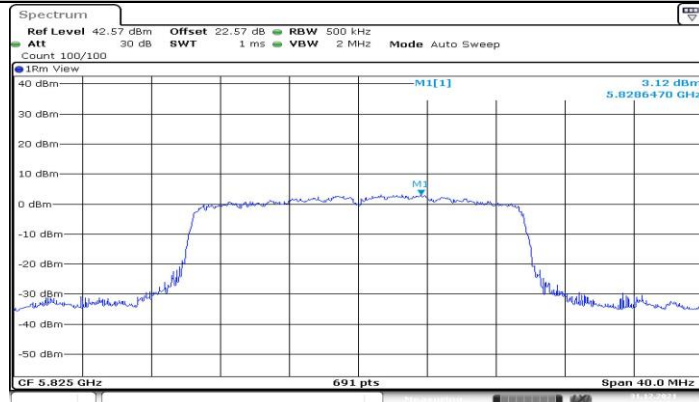
Date: 31 DEC 2021 07:14:10

11AX20MIMO_Ant2_5785



Date: 31 DEC 2021 07:21:24

11AX20MIMO_Ant1_5825



Date: 31 DEC 2021 07:22:51

11AX20MIMO_Ant2_5825



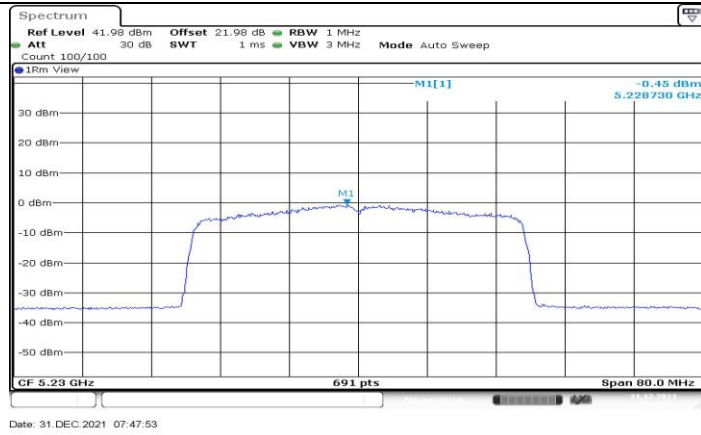
11AX40MIMO_Ant1_5190



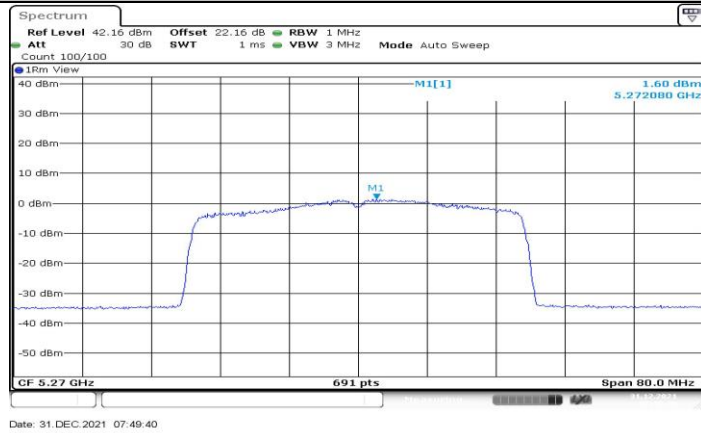
11AX40MIMO_Ant2_5190



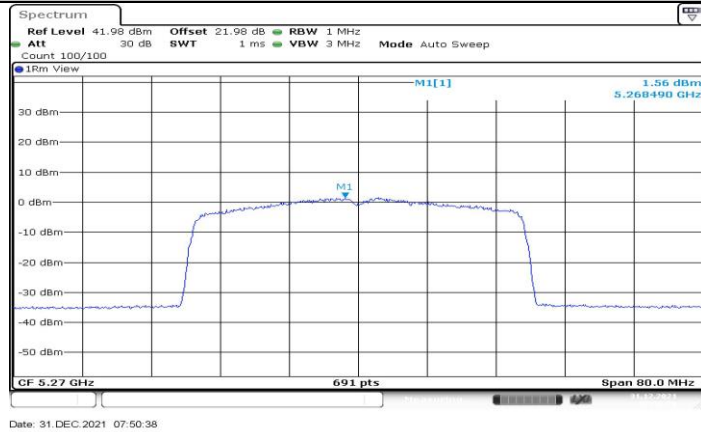
11AX40MIMO_Ant1_5230



11AX40MIMO_Ant2_5230



11AX40MIMO_Ant1_5270



11AX40MIMO_Ant2_5270



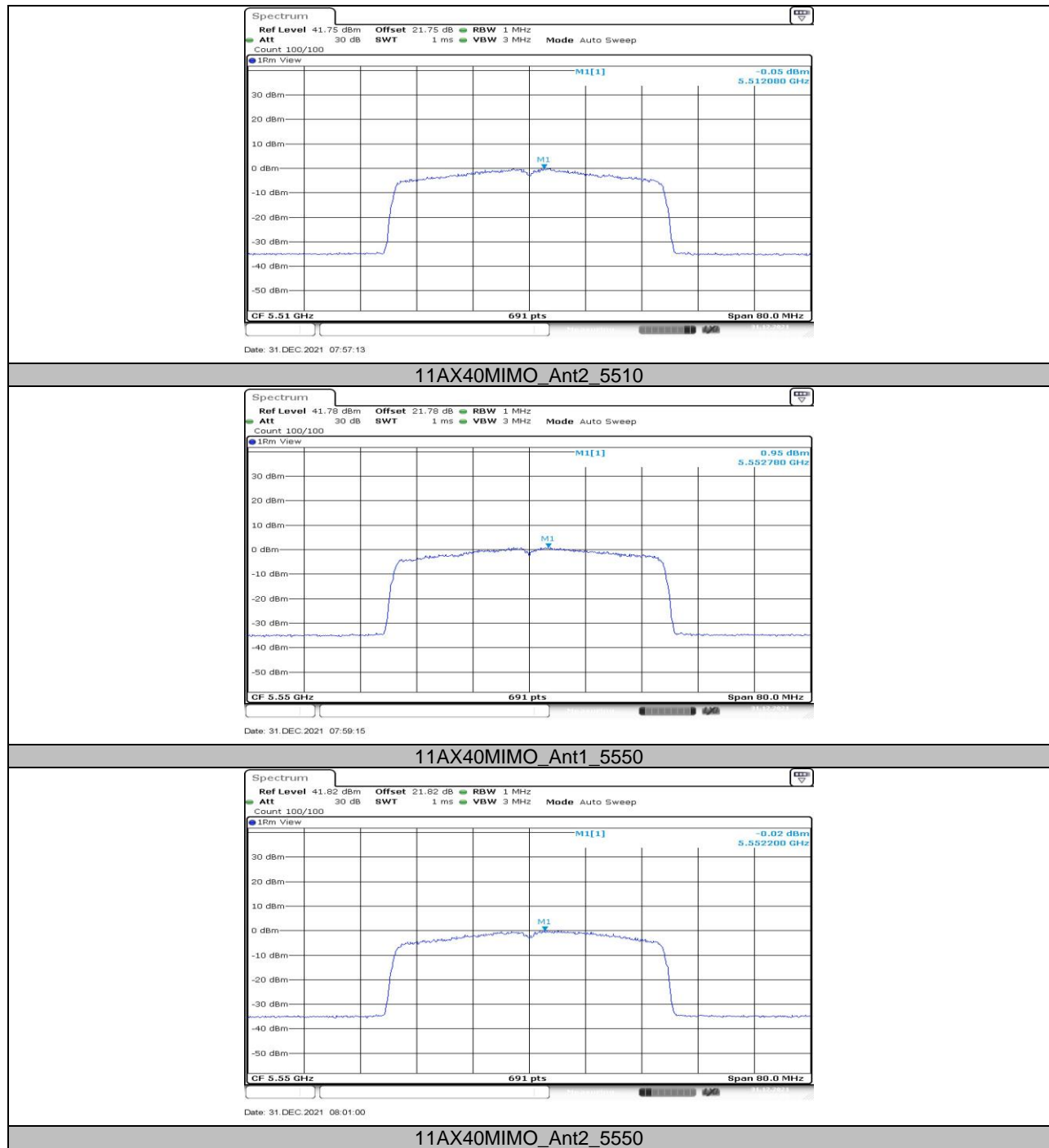
11AX40MIMO_Ant1_5310



11AX40MIMO_Ant2_5310



11AX40MIMO_Ant1_5510





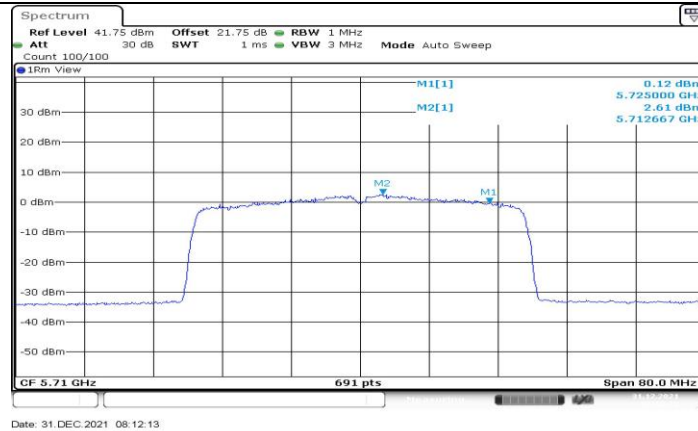
11AX40MIMO_Ant1_5670



11AX40MIMO_Ant2_5670



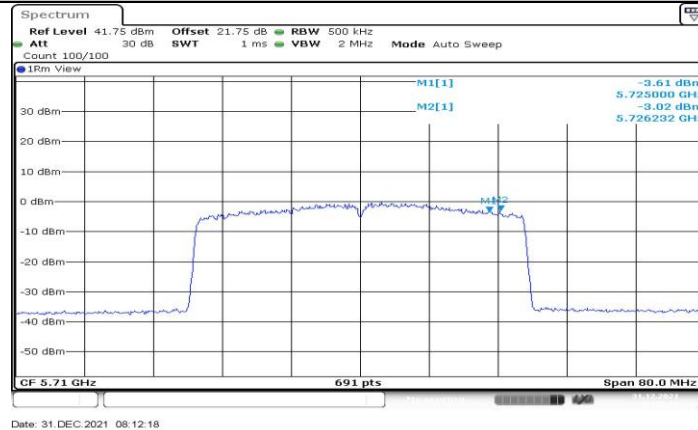
11AX40MIMO_Ant1_5710_UNII-2C



11AX40MIMO_Ant2_5710_UNII-2C



11AX40MIMO_Ant1_5710_UNII-3



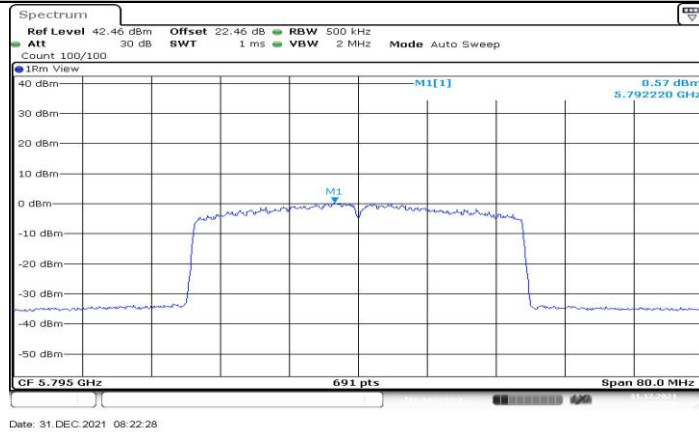
11AX40MIMO_Ant2_5710_UNII-3



11AX40MIMO_Ant1_5755



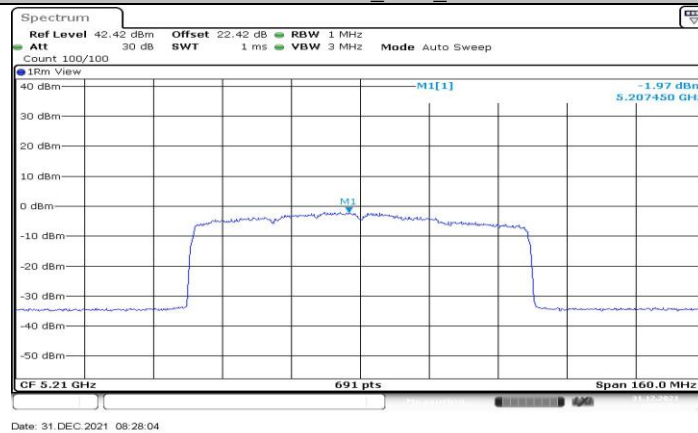
11AX40MIMO_Ant2_5755



11AX40MIMO_Ant1_5795



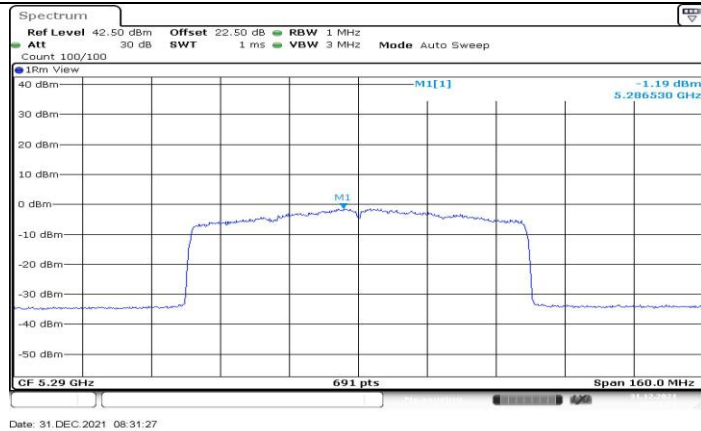
11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5210



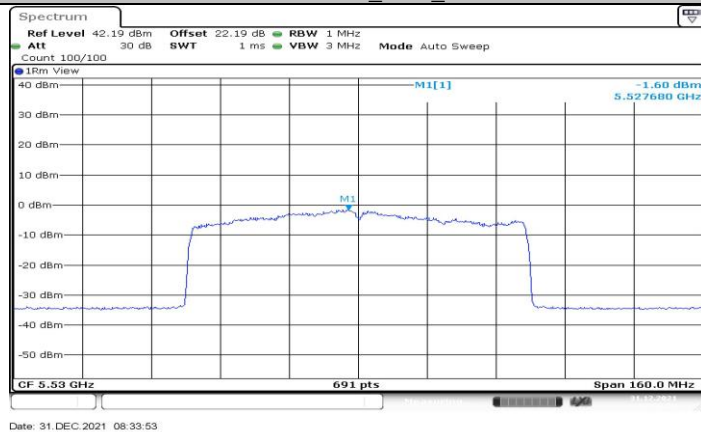
11AX80MIMO_Ant2_5210



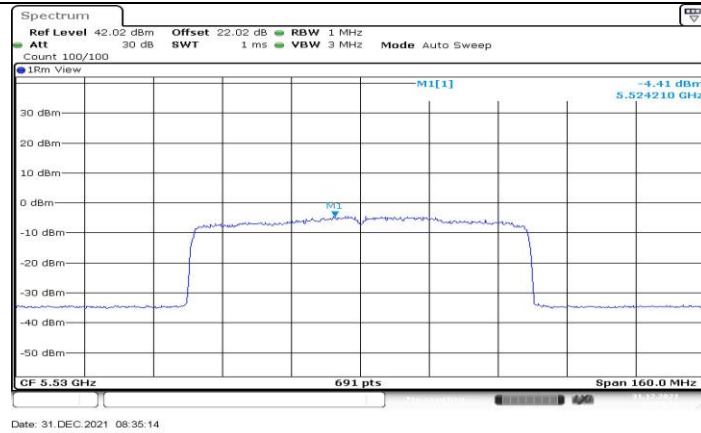
11AX80MIMO_Ant1_5290



11AX80MIMO_Ant2_5290



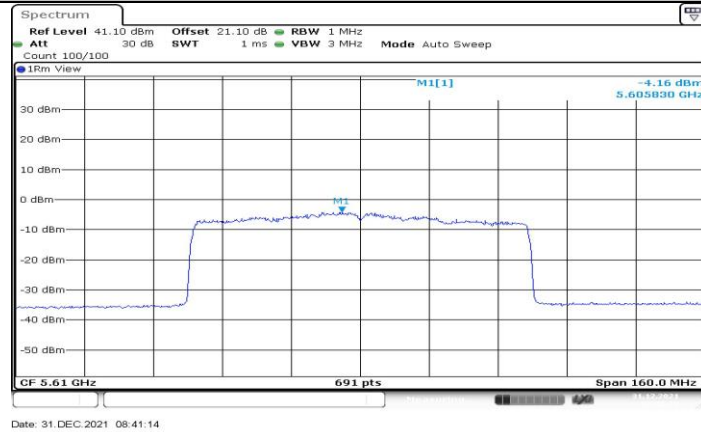
11AX80MIMO_Ant1_5530



11AX80MIMO_Ant2_5530



11AX80MIMO_Ant1_5610



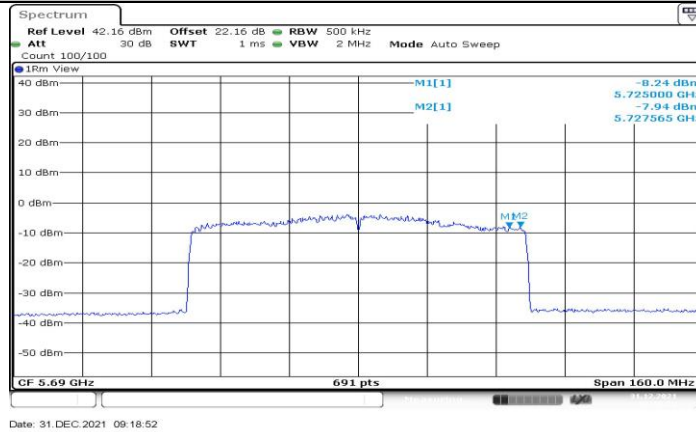
11AX80MIMO_Ant2_5610



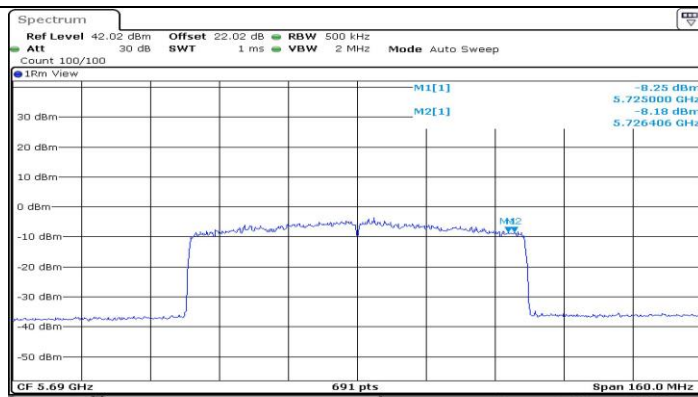
11AX80MIMO_Ant1_5690_UNII-2C



11AX80MIMO_Ant2_5690_UNII-2C



11AX80MIMO_Ant1_5690_UNII-3



Date: 31 DEC 2021 09:21:40

11AX80MIMO_Ant2_5690_UNII-3



Date: 31 DEC 2021 09:31:27

11AX80MIMO_Ant1_5775



Date: 31 DEC 2021 09:33:09

11AX80MIMO_Ant2_5775



12.6. Appendix D: Duty Cycle

12.6.1. 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	1.37	1.75	0.7829	78.29	1.06	0.73	1
11N20MIMO	1.29	1.66	0.7771	77.71	1.10	0.78	1
11N40MIMO	0.64	1.02	0.6275	62.75	2.02	1.56	2
11AC80MIMO	0.18	0.57	0.3158	31.58	5.01	5.56	6
11AX20MIMO	0.20	0.55	0.3636	36.36	4.39	5.00	5
11AX40MIMO	0.20	0.56	0.3571	35.71	4.47	5.00	5
11AX80MIMO	0.19	0.58	0.3276	32.76	4.85	5.26	6

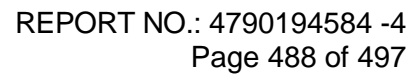
Note:

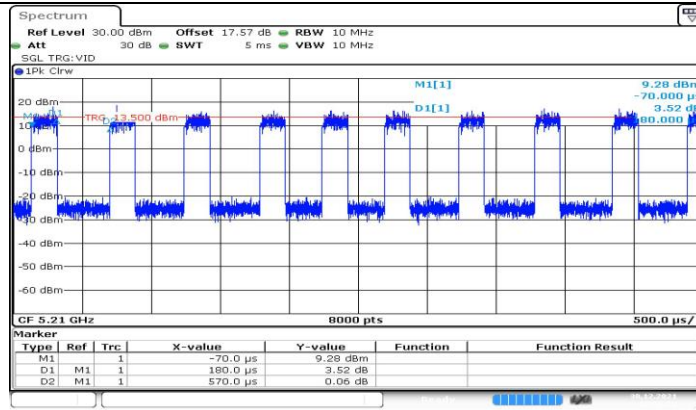
Duty Cycle Correction Factor= $10\log(1/x)$.

Where: x is Duty Cycle (Linear)

Where: T is On Time

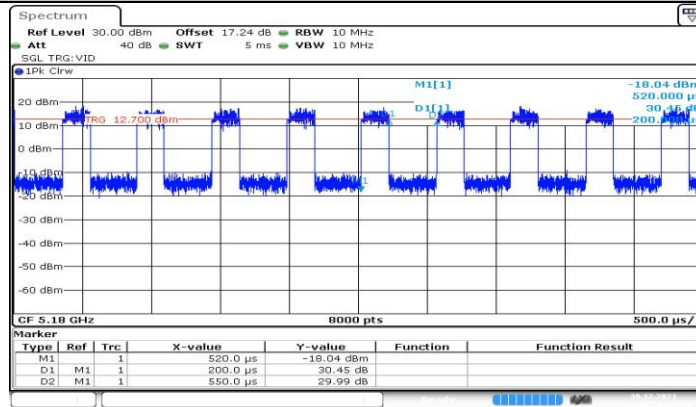
If that calculated VBW is not available on the analyzer then the next higher value should be used.





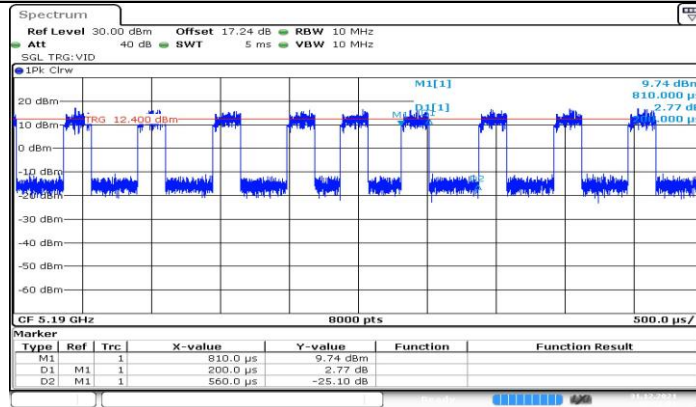
Date: 30 DEC 2021 10:36:53

11AC80MIMO_Ant1_5210



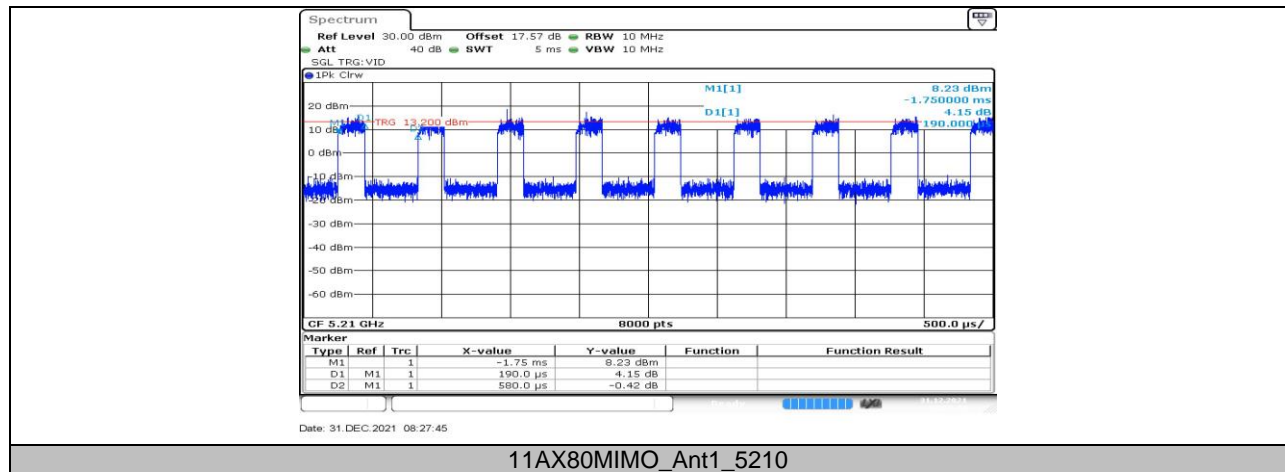
Date: 30 DEC 2021 12:11:19

11AX20MIMO_Ant1_5180



Date: 31 DEC 2021 07:31:02

11AX40MIMO_Ant1_5190





12.7. Appendix E: Frequency Stability Test Result

Frequency Error vs. Voltage									
802.11a 20: 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	5200.0094	1.80	5199.9939	-1.17	5199.9910	-1.73	5199.9986	-0.28
TN	VN	5199.9996	-0.08	5200.0148	2.84	5199.9973	-0.52	5200.0206	3.97
TN	VH	5200.0199	3.84	5199.9789	-4.05	5199.9973	-0.51	5199.9918	-1.57
Frequency Error vs. Temperature									
802.11a 20: 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)
70	VN	5200.0170	3.26	5200.0097	1.86	5200.0146	2.82	5200.0182	3.51
60	VN	5200.0193	3.72	5200.0182	3.49	5199.9866	-2.58	5199.9823	-3.41
40	VN	5200.0098	1.88	5199.9944	-1.07	5199.9900	-1.92	5199.9816	-3.54
30	VN	5200.0057	1.10	5200.0007	0.13	5200.0127	2.44	5199.9935	-1.24
20	VN	5199.9771	-4.41	5200.0043	0.82	5199.9826	-3.35	5199.9810	-3.65
10	VN	5199.9923	-1.47	5200.0019	0.37	5200.0121	2.33	5200.0148	2.84
0	VN	5199.9828	-3.30	5200.0129	2.49	5200.0106	2.03	5199.9889	-2.14



Frequency Error vs. Voltage									
802.11a 20: 5825MHz									
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	5825.0010	0.17	5825.0203	3.48	5824.9888	-1.92	5824.9935	-1.12
TN	VN	5824.9977	-0.39	5824.9900	-1.72	5825.0205	3.51	5825.0064	1.10
TN	VH	5824.9958	-0.72	5824.9901	-1.70	5825.0216	3.71	5825.0249	4.28
Frequency Error vs. Temperature									
802.11a 20: 5825MHz									
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)
70	VN	5824.9973	-0.46	5825.0077	1.33	5824.9881	-2.05	5825.0076	1.31
60	VN	5824.9831	-2.90	5824.9979	-0.36	5825.0105	1.80	5825.0006	0.10
40	VN	5824.9891	-1.88	5824.9794	-3.53	5824.9848	-2.60	5825.0091	1.57
30	VN	5825.0201	3.45	5825.0229	3.93	5824.9902	-1.68	5825.0115	1.98
20	VN	5825.0055	0.95	5825.0003	0.05	5825.0002	0.03	5825.0112	1.92
10	VN	5824.9915	-1.45	5825.0007	0.11	5825.0243	4.18	5824.9830	-2.91
0	VN	5824.9954	-0.79	5825.0205	3.52	5824.9915	-1.46	5824.9774	-3.89

Note: All antennas and test modes have been tested, only the worst data record in the report.

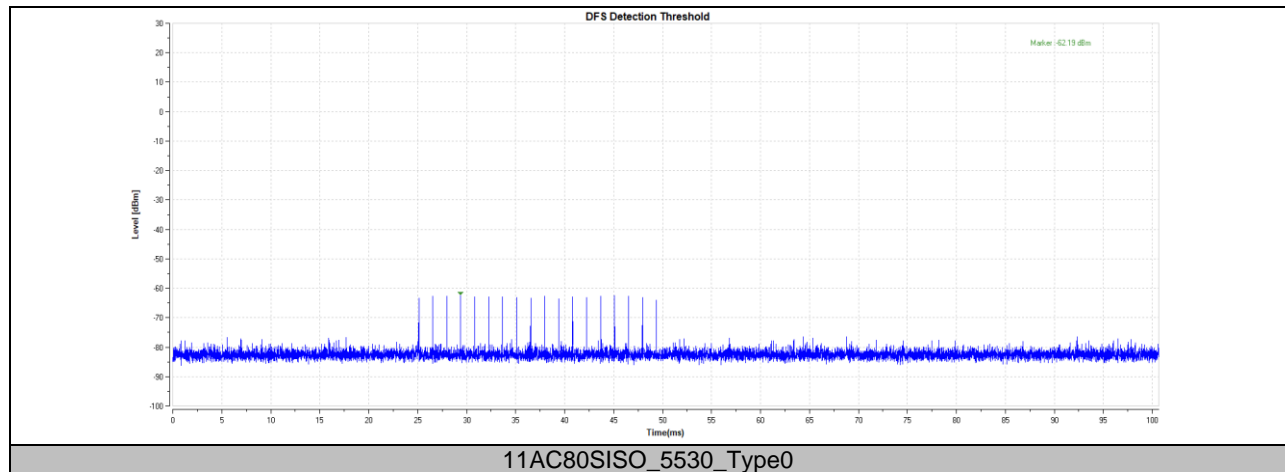


12.8. Appendix F: Dynamic Frequency Selection

Radar Signal Test Result

Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC80SISO	5530	Type0	-62.19	-54.99	PASS

Radar Signal Test Graphs



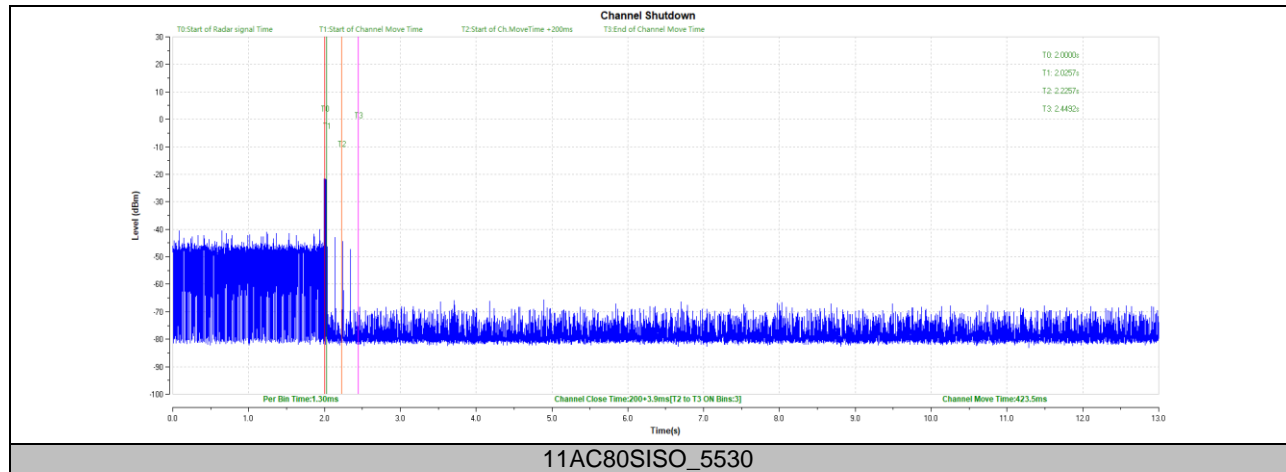


Channel Move Time and Channel Closing Transmission Time Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5530	200+3.9	200+60	423.5	10000	PASS



Channel Move Time and Channel Closing Transmission Time Test Graphs



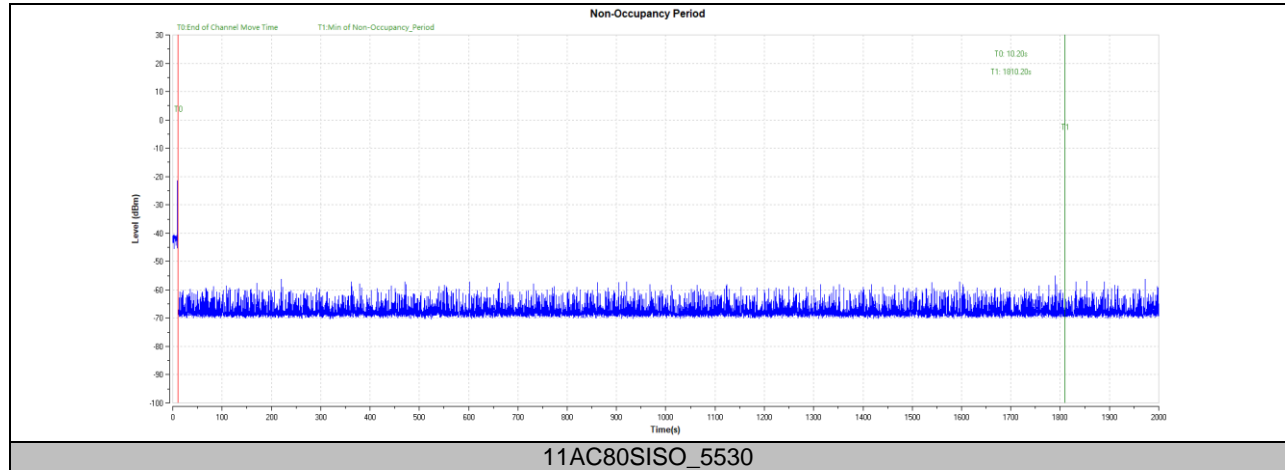


Non-Occupancy Period Test Result

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



Non-Occupancy Period Test Graphs



END OF REPORT