

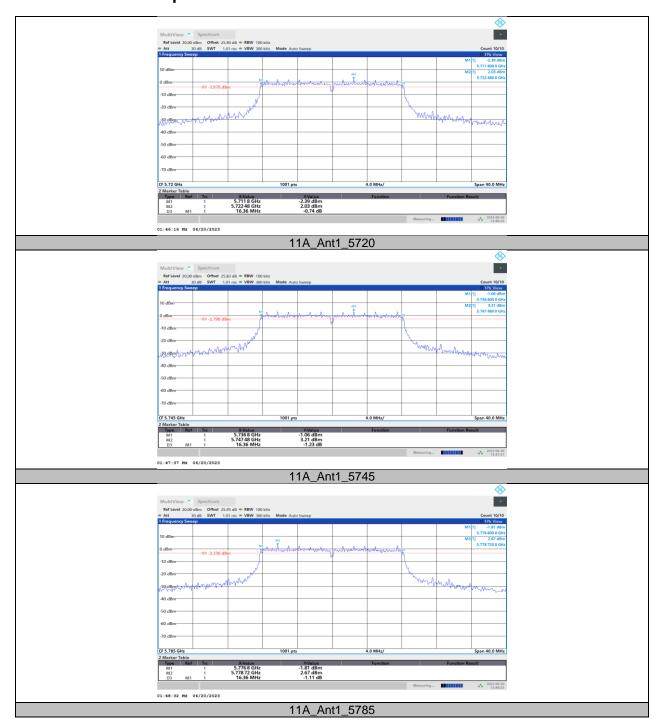


11.3. APPENDIX C: MIN EMISSION BANDWIDTH 11.3.1. Test Result

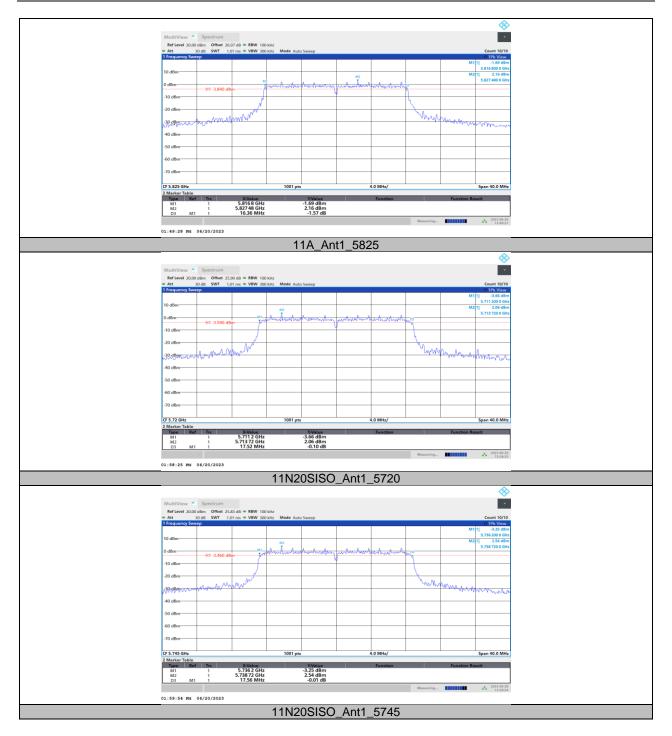
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
		5720	16.36	5711.80	5728.16	≥0.5	PASS
		5720_UNII-3	3.16	5725	5728.16	≥0.5	PASS
11A	Ant1	5745	16.36	5736.80	5753.16	≥0.5	PASS
		5785	16.36	5776.80	5793.16	≥0.5	PASS
		5825	16.36	5816.80	5833.16	≥0.5	PASS
		5720	17.52	5711.20	5728.72	≥0.5	PASS
		5720_UNII-3	3.72	5725	5728.72	≥0.5	PASS
11N20SISO	Ant1	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
		5710	35.36	5692.24	5727.60	≥0.5	PASS
4481400100	A = 44	5710_UNII-3	2.6	5725	5727.60	≥0.5	PASS
11N40SISO	Ant1	5755	35.76	5737.08	5772.84	≥0.5	PASS
		5795	35.36	5777.24	5812.60	≥0.5	PASS
		5690	75.68	5652.08	5727.76	≥0.5	PASS
11AC80SISO	Ant1	5690_UNII-3	2.76	5725	5727.76	≥0.5	PASS
		5775	75.36	5737.24	5812.60	≥0.5	PASS



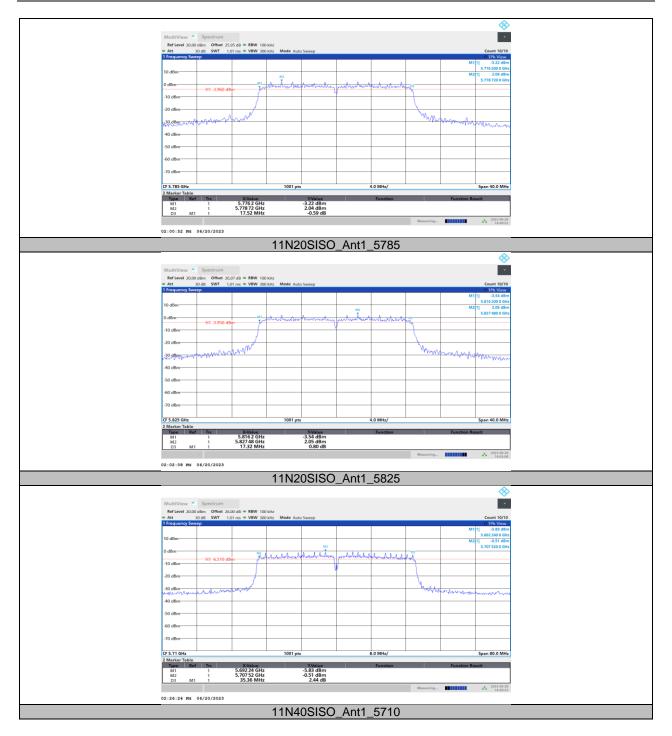
11.3.2. Test Graphs







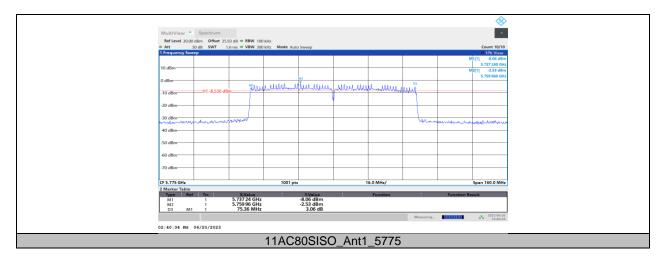












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11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER 11.4.1. Test Result

				FCC	ISED			
Test Mode	Antenna	Frequency[MHz]	Power	Limit	Limit	EIRP	Limit	Verdict
1 GSt WIOGE	Antenna	i requericy[wiriz]	[dBm]	[dBm]	[dBm]	[dBm]	[dBm]	Verdict
		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
11A	Ant1	5580	12.17	≤23.98	≤23.40	17.25	≤29.40	PASS
1173	,	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
		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
11N20SISO	Ant1	5500	12.86	≤23.98	≤23.59	17.94	≤29.59	PASS
1111203130	Anti	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
		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
11N40SISO	Ant1	5550	12.56	≤23.98	≤23.98	17.64	≤30.00	PASS
1111400100	Anti	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
		5210	14.28	≤23.98		19.36		PASS
		5290	13.86	≤23.98	≤23.98	18.94	≤30.00	PASS
	1	5530	13.25	≤23.98	≤23.98	18.33	≤30.00	PASS
11AC80SISO	Ant1	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.

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11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY 11.5.1. Test Result

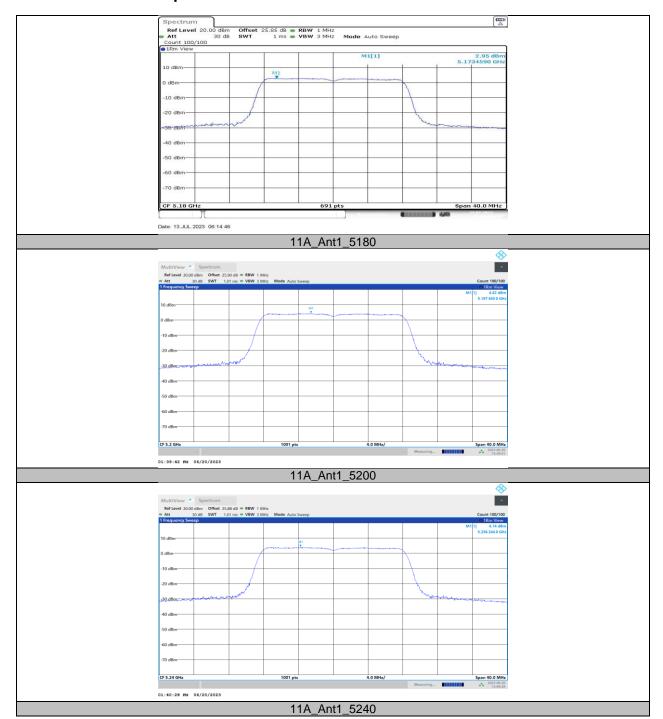
Test Mode	Antenna	Frequency[MHz]	Power	Limit	EIRP	Limit	Verdict
			[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	
		5180	2.95	≤11.00	8.03	≤10.00	PASS
							PASS
							PASS
						+	PASS
							PASS
							PASS
11A	Ant1					1	PASS
						+	PASS
						+	PASS
							PASS
							PASS
							PASS
							PASS
							PASS
							PASS
							PASS
						≤10.00	PASS
							PASS
				≤11.00			PASS
				≤11.00	6.61		PASS
11N208180	Ant1			≤11.00	4.15		PASS
1111203130	Anti	5580	-1.31	≤11.00	3.77		PASS
		5700	-1.43		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
		5190	-1.15	≤11.00	3.93	≤10.00	PASS
			-1.39	≤11.00	3.69	≤10.00	PASS
							PASS
							PASS
		5510	-5.16	≤11.00	-0.08		PASS
11N40SISO	Ant1						PASS
							PASS
							PASS
	Ant1		PASS				
		Ant1 S320	PASS				
							PASS
	1					≤10 00	PASS
							PASS
						1	PASS
1140805150	Ant1					+	PASS
1170003130	AIILI						PASS
						+	PASS
						+	
		5//5	-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.

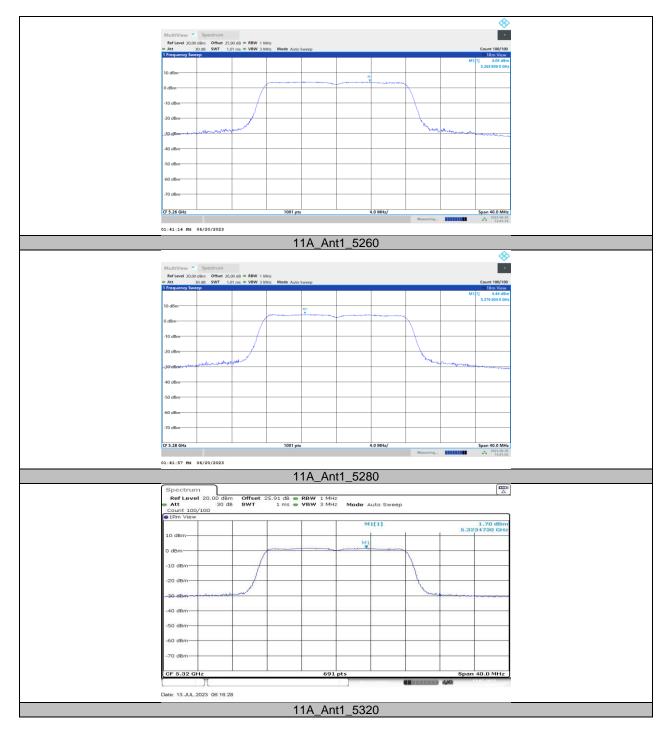
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.



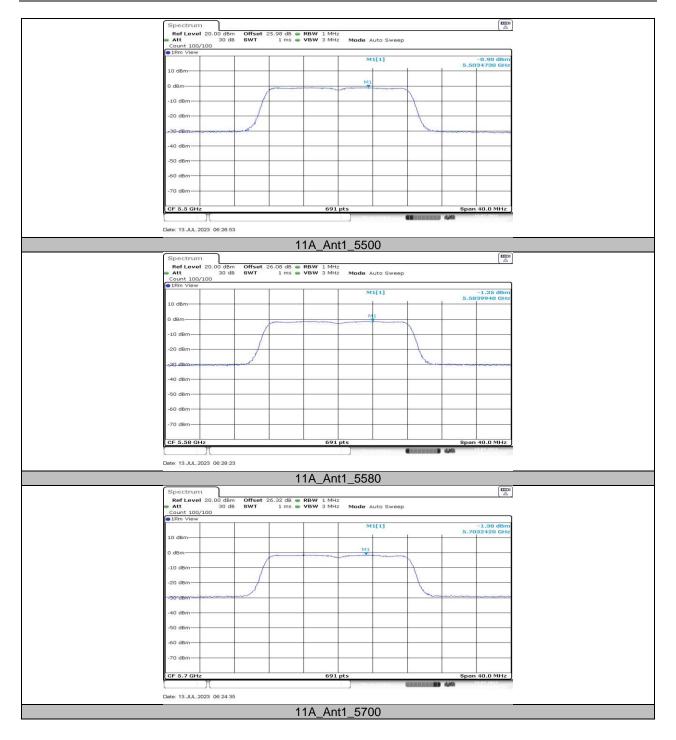
11.5.2. Test Graphs















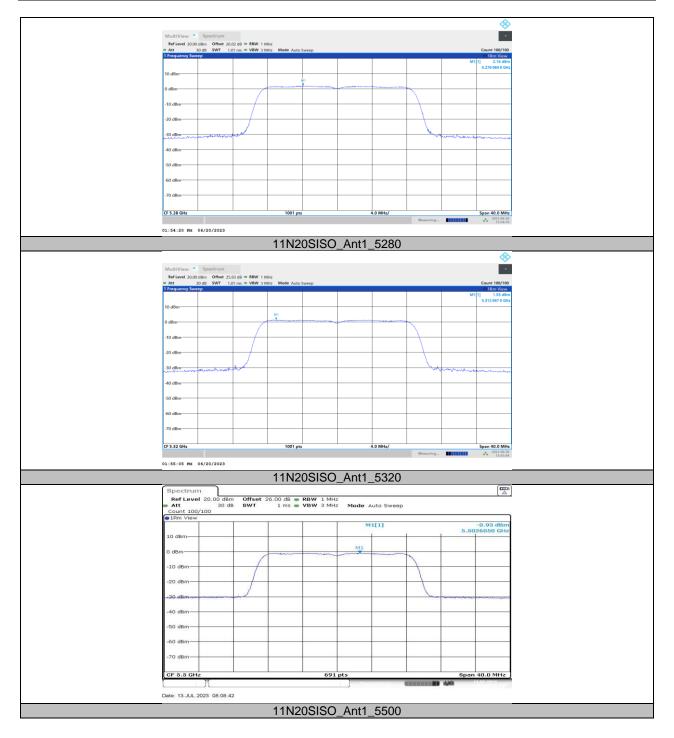




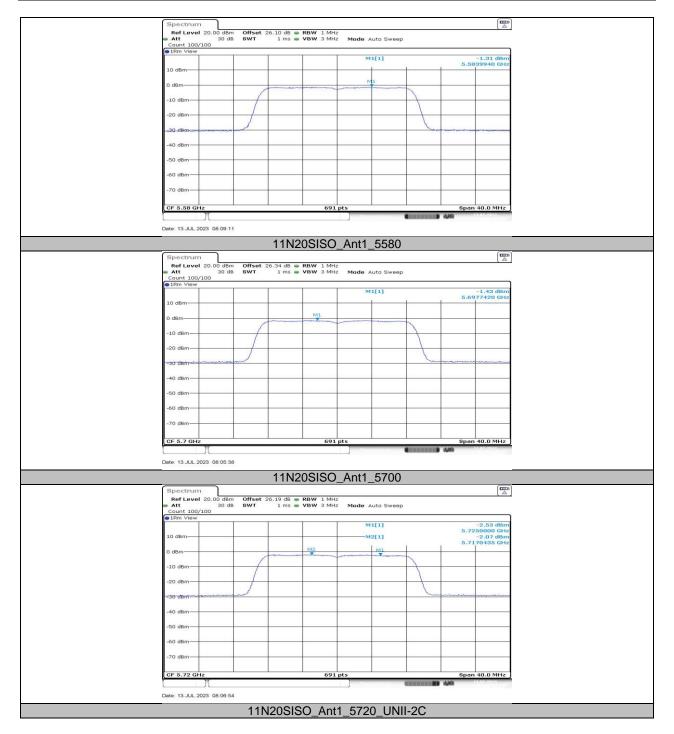








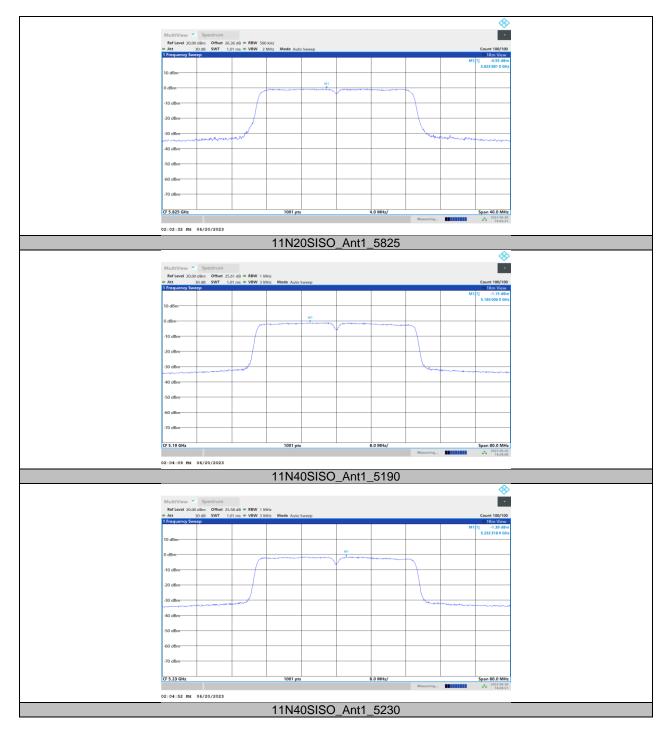




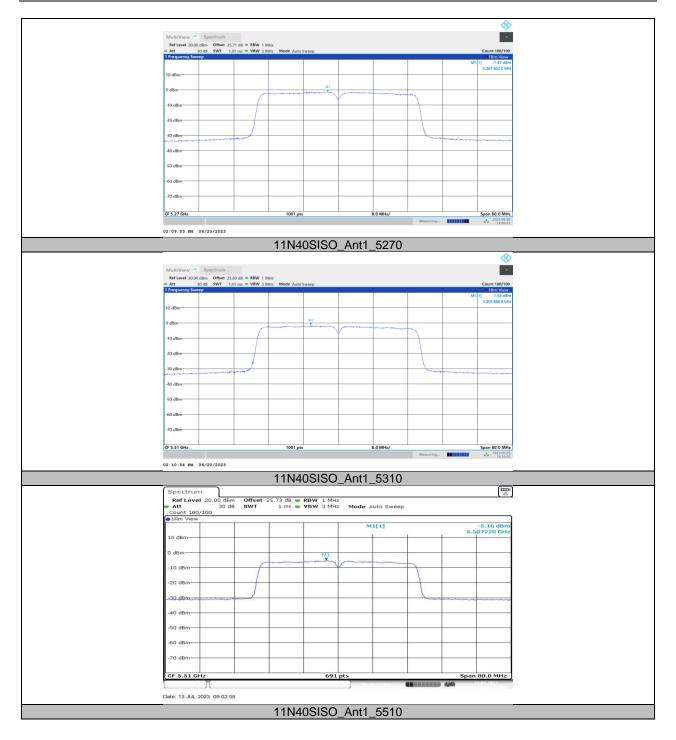




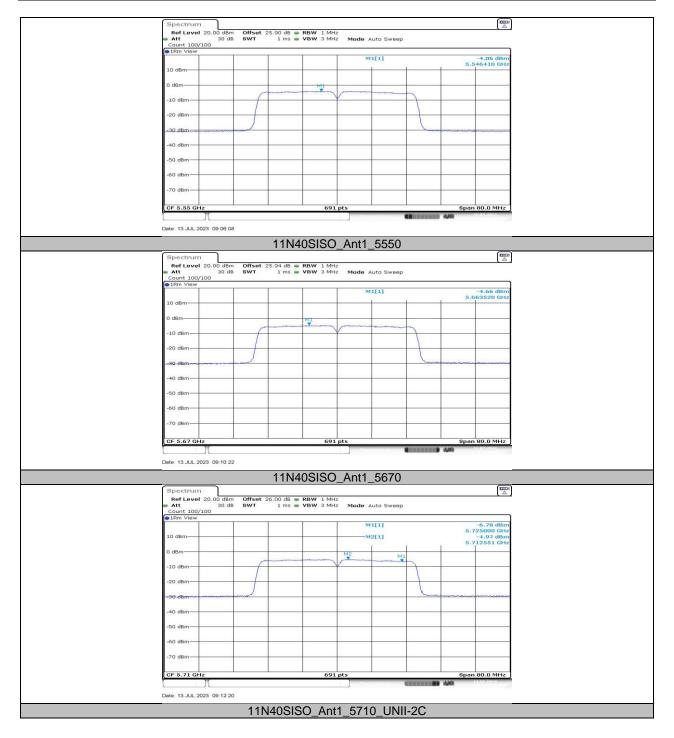




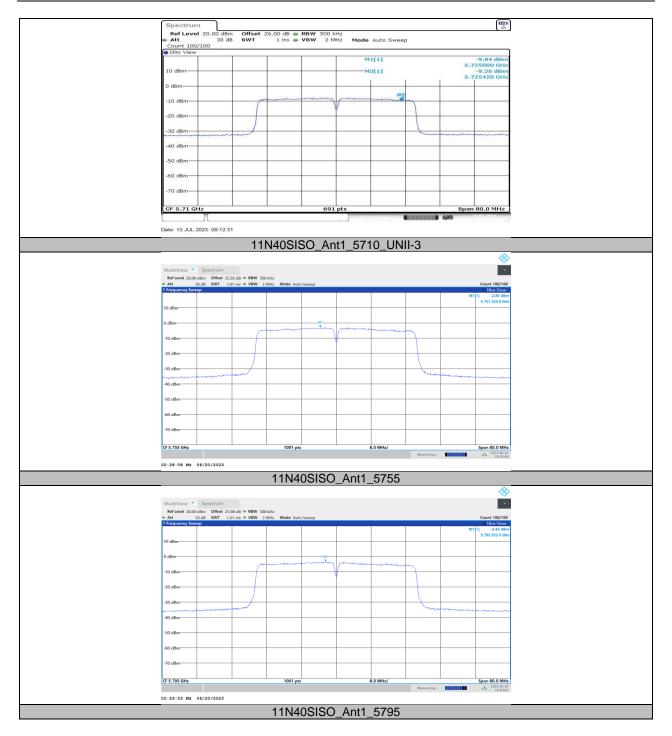




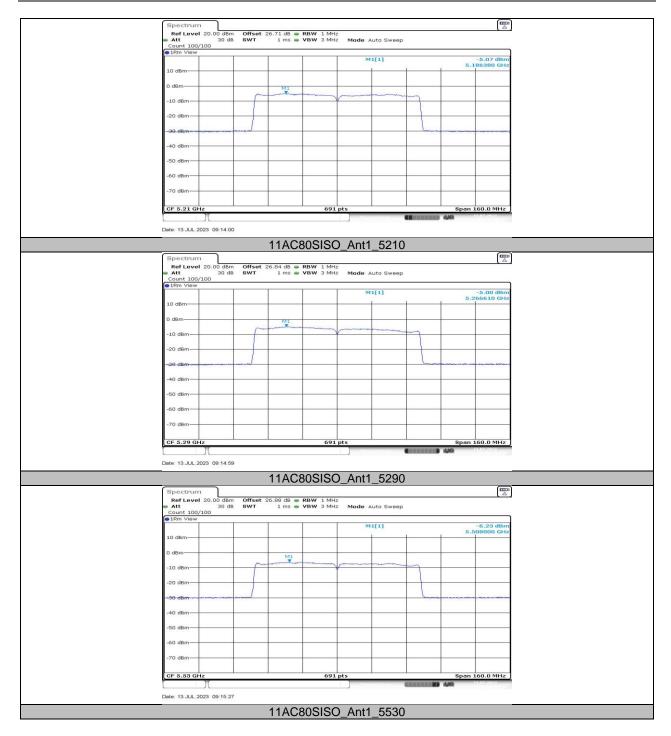




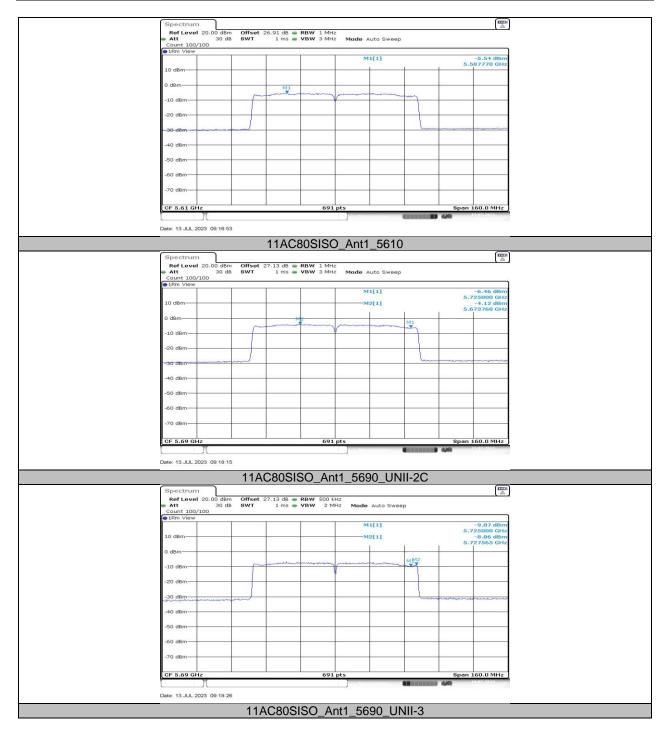




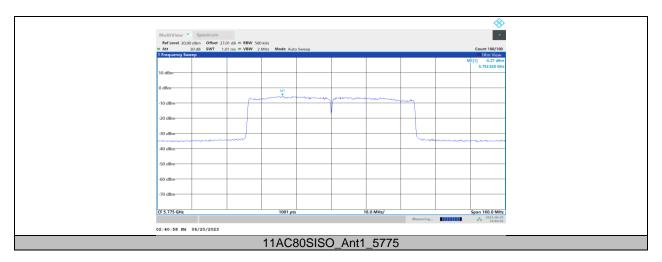












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11.6. APPENDIX F: FREQUENCY STABILITY 11.6.1. Test Result

	Frequency Error vs. Voltage												
	802.11a:5200MHz												
_	Volt.	0 Min	ute	2 Min	ute	5 Min	ute	10 Minute					
Temp.		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

_	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
Temp.		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

- 1. All antennas, test modes and test channels have been tested, only the worst data record in the
- 2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.



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11.7. APPENDIX G: DUTY CYCLE 11.7.1. Test Result

	On Time	Period	Duty Cycle	Duty Cycle	Duty Cycle	1/T	Final setting
Mode	(msec)	(msec)	x	(%)	Correction Factor	Minimum VBW	For VBW
			(Linear)		(dB)	(kHz)	(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=10log (1/x).

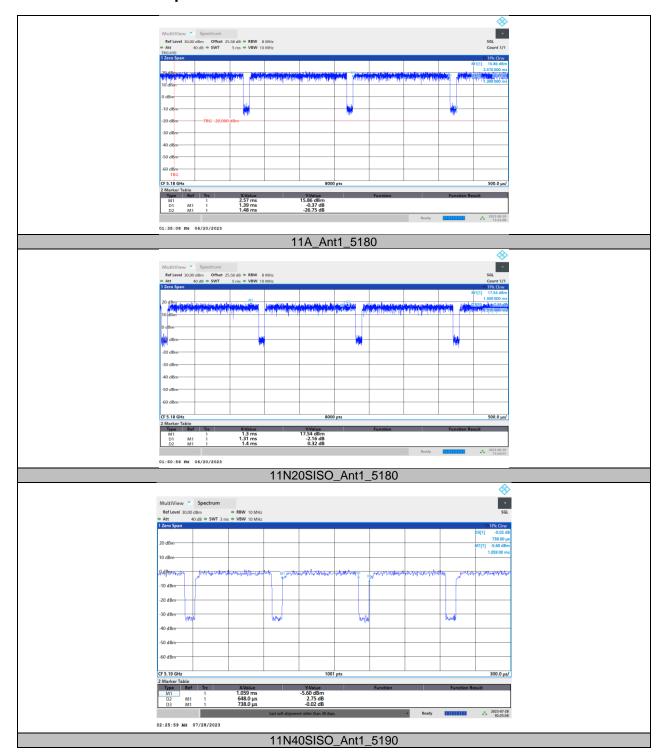
Where: x is Duty Cycle (Linear)

Where: T is On Time

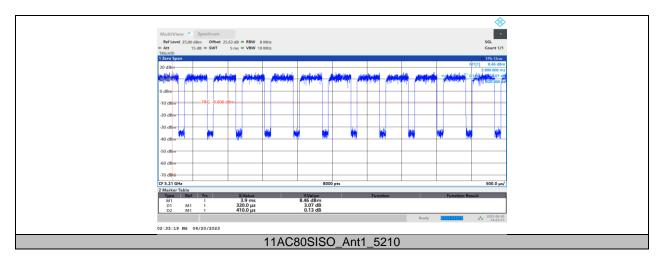
If that calculated VBW is not available on the analyzer then the next higher value should be used.



11.7.2. Test Graphs









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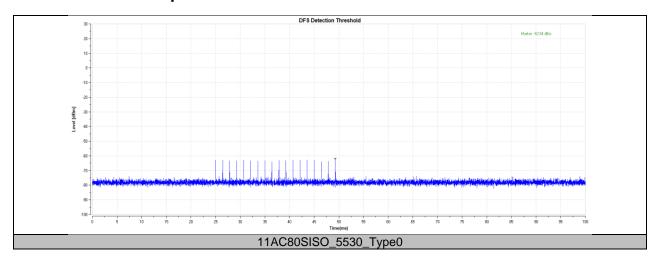
11.8. APPENDIX H: DFS DETECTION THRESHOLDS 11.8.1. Test Result

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

- 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





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

11.9.1. Test Result

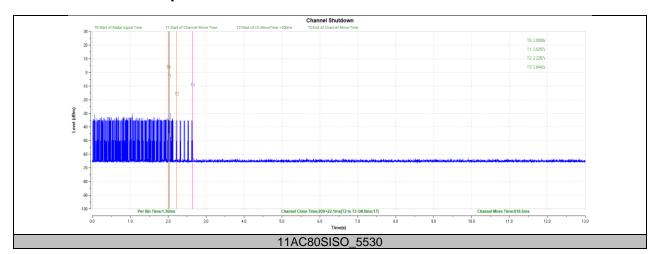
	Test Mode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
Ī	11AC80SISO	5530	200+22.1	200+60	618.5	10000	PASS

^{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





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11.10. APPENDIX J: NON-OCCUPANCY PERIOD

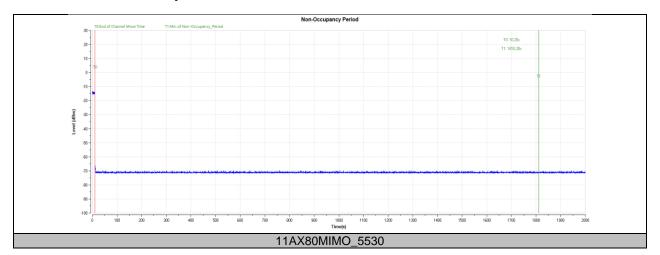
Test Result

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

- 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