11AC80SISO_Ant1_5775

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13.3.3.

13.4. Appendix B: Maximum Average Conducted Output Power

13.4.1. Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	15.75	≤23.98	PASS
		5200	16.22	≤23.98	PASS
		5240	16.59	≤23.98	PASS
		5260	16.40	≤23.98	PASS
		5280	16.50	≤23.98	PASS
		5320	16.20	≤23.98	PASS
		5500	15.48	≤23.98	PASS
		5580	16.49	≤23.98	PASS
		5700	15.30	≤23.98	PASS
		5720_UNII-2C	14.25	≤23.67	PASS
		5720_UNII-3	7.33	≤30.00	PASS
		5745	15.84	≤30.00	PASS
		5785	14.71	≤30.00	PASS
		5825	16.41	≤30.00	PASS
11N20SISO	Ant1	5180	15.41	≤23.98	PASS
		5200	16.72	≤23.98	PASS
		5240	16.26	≤23.98	PASS
		5260	15.94	≤23.98	PASS
		5280	16.30	≤23.98	PASS
		5320	15.90	≤23.98	PASS
		5500	11.25	≤23.98	PASS
		5580	11.33	≤23.98	PASS
		5700	10.84	≤23.98	PASS
		5720_UNII-2C	9.75	≤23.78	PASS
		5720_UNII-3	3.44	≤30.00	PASS
		5745	16.09	≤30.00	PASS
		5785	15.76	≤30.00	PASS
		5825	16.30	≤30.00	PASS
11N40SISO	Ant1	5190	16.37	≤23.98	PASS
		5230	16.66	≤23.98	PASS
		5270	12.51	≤23.98	PASS
		5310	12.02	≤23.98	PASS
		5510	11.91	≤23.98	PASS
		5550	11.64	≤23.98	PASS
		5670	11.97	≤23.98	PASS
		5710_UNII-2C	10.67	≤23.98	PASS
		5710_UNII-3	0.67	≤30.00	PASS
		5755	16.37	≤30.00	PASS
		5795	16.25	≤30.00	PASS
11AC80SISO	Ant1	5210	13.57	≤23.98	PASS
		5290	10.93	≤23.98	PASS
		5530	13.09	≤23.98	PASS
		5610	13.34	≤23.98	PASS
		5690_UNII-2C	12.08	≤23.98	PASS
		5690_UNII-3	-1.62	≤30.00	PASS
		5775	13.51	≤30.00	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.

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13.5. Appendix C: Maximum Power Spectral Density

13.5.1. Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	4.49	≤11.00	PASS
		5200	6.17	≤11.00	PASS
		5240	5.55	≤11.00	PASS
		5260	5.25	≤11.00	PASS
		5280	5.33	≤11.00	PASS
		5320	5.2	≤11.00	PASS
		5500	4.39	≤11.00	PASS
		5580	5.38	≤11.00	PASS
		5700	4.22	≤11.00	PASS
		5720_UNII-2C	5.32	≤11.00	PASS
		5720_UNII-3	1.98	≤11.00	PASS
		5745	1.51	≤30.00	PASS
		5785	1.24	≤30.00	PASS
		5825	2.51	≤30.00	PASS
11N20SISO	Ant1	5180	3.95	≤11.00	PASS
		5200	5.43	≤11.00	PASS
		5240	4.7	≤11.00	PASS
		5260	4.52	≤11.00	PASS
		5280	4.95	≤11.00	PASS
		5320	4.55	≤11.00	PASS
		5500	4.23	≤11.00	PASS
		5580	4.75	≤11.00	PASS
		5700	-0.84	≤11.00	PASS
		5720_UNII-2C	4.62	≤11.00	PASS
		5720_UNII-3	1.2	≤11.00	PASS
		5745	2.02	≤30.00	PASS
		5785	1.72	≤30.00	PASS
		5825	2.21	≤30.00	PASS
11N40SISO	Ant1	5190	1.75	≤11.00	PASS
		5230	2.39	≤11.00	PASS
		5270	2.18	≤11.00	PASS
		5310	-2.33	≤11.00	PASS
		5510	-2.26	≤11.00	PASS
		5550	1.44	≤11.00	PASS
		5670	0.8	≤11.00	PASS
		5710_UNII-2C	1.8	≤11.00	PASS
		5710_UNII-3	-1.67	≤11.00	PASS
		5755	-0.84	≤30.00	PASS
		5795	-1.3	≤30.00	PASS
11AC80SISO	Ant1	5210	-3.94	≤11.00	PASS
		5290	-6.54	≤11.00	PASS
		5530	-0.26	≤11.00	PASS
		5610	-4.16	≤11.00	PASS
		5690_UNII-2C	-5.15	≤11.00	PASS
		5690_UNII-3	-7.8	≤11.00	PASS
		5775	-7.09	≤30.00	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.

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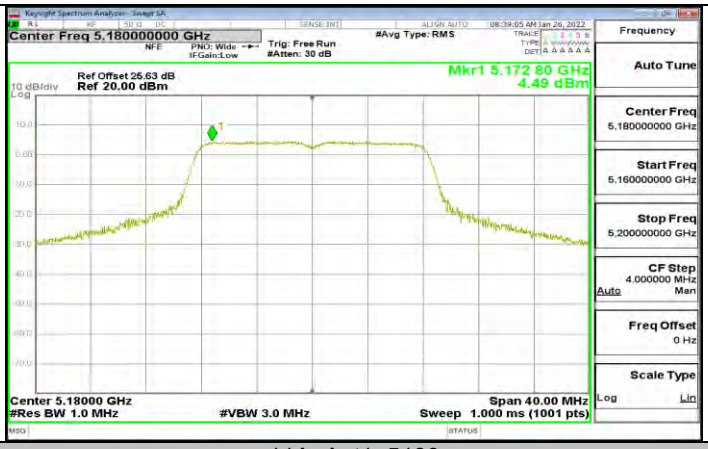
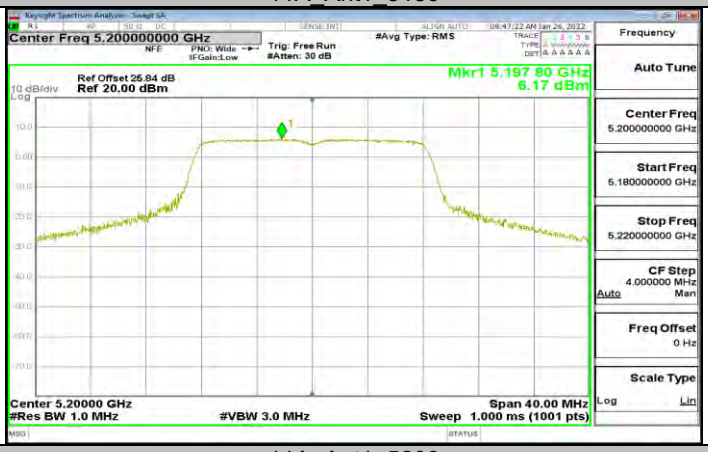
13.5.2. Test Graphs



11A_Ant1_5180



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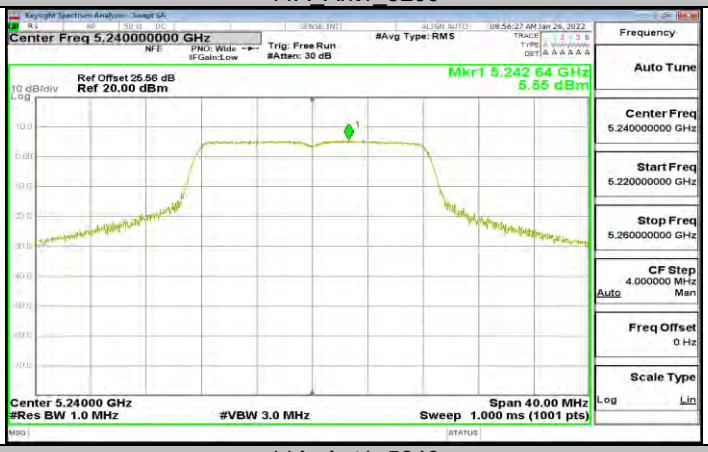

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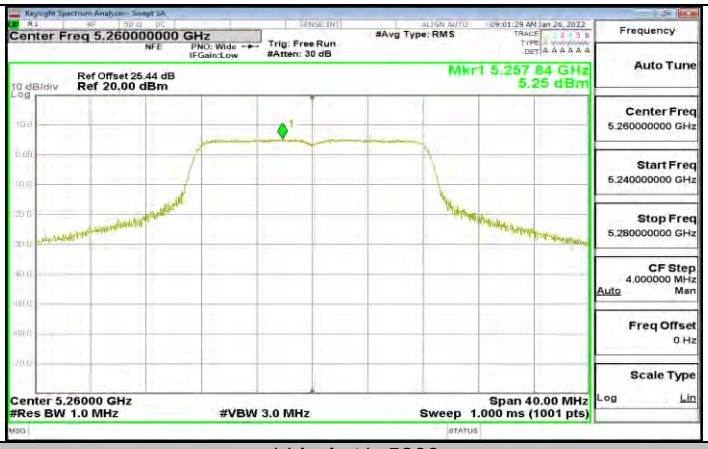

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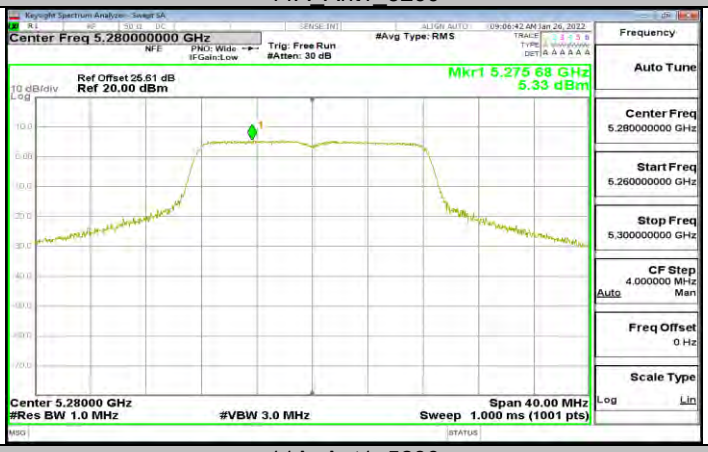

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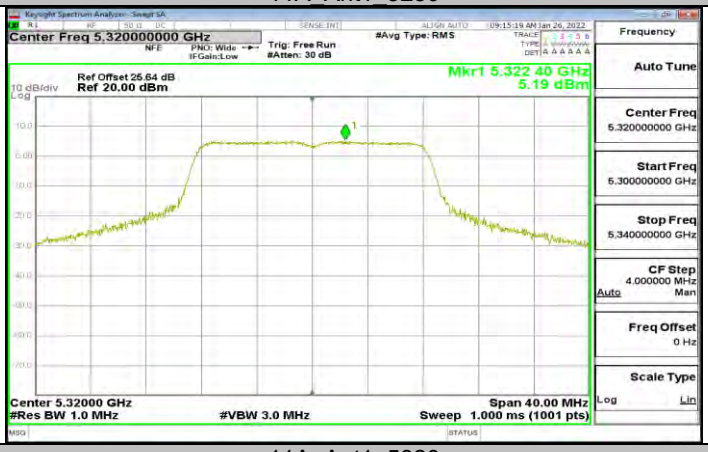

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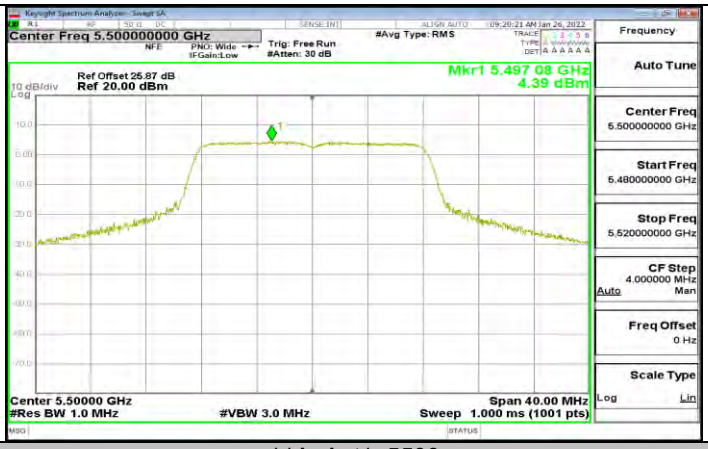

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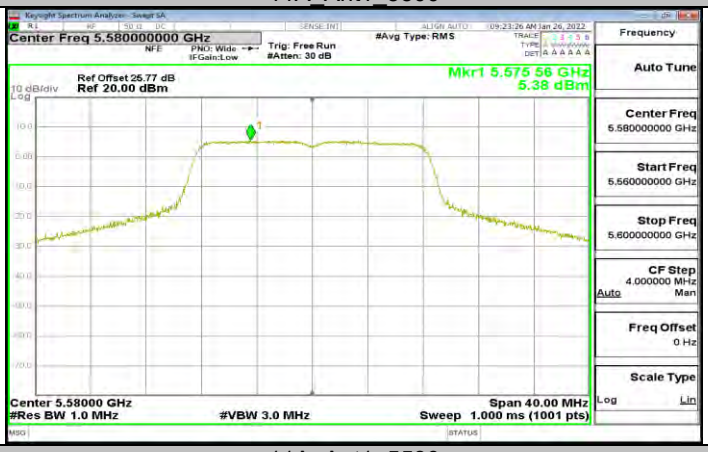

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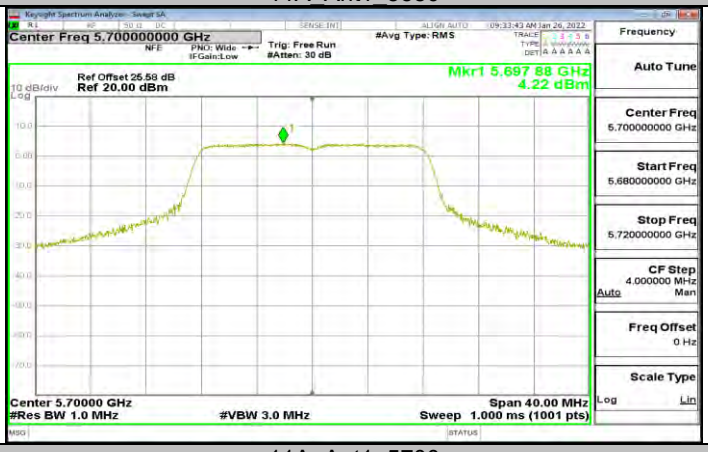

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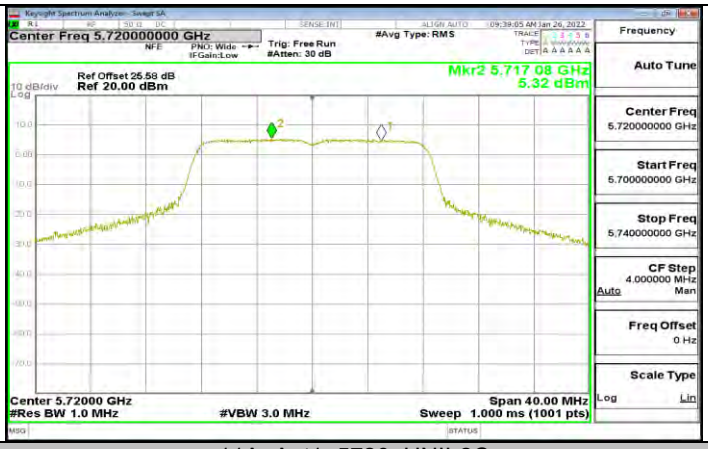

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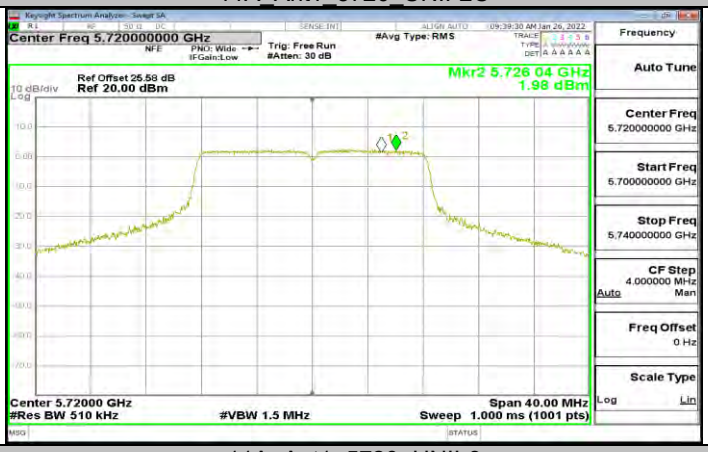

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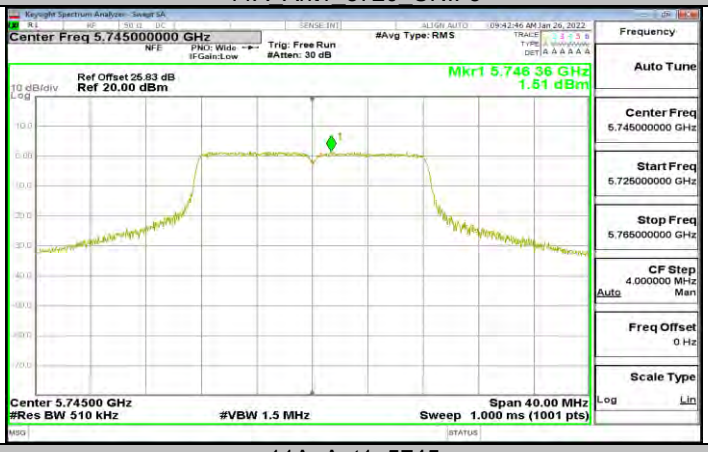

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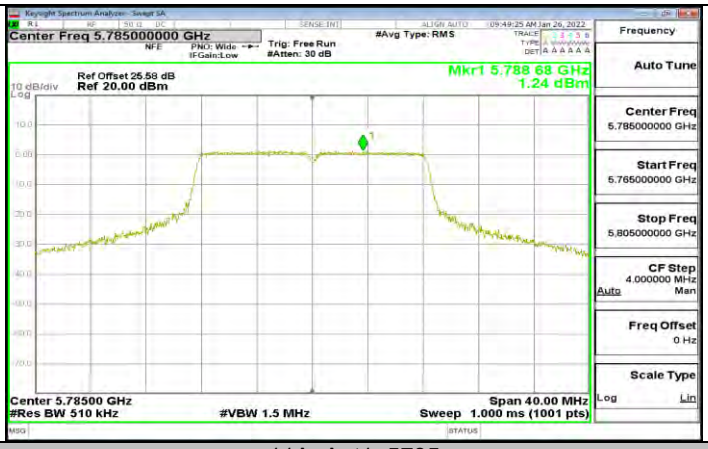
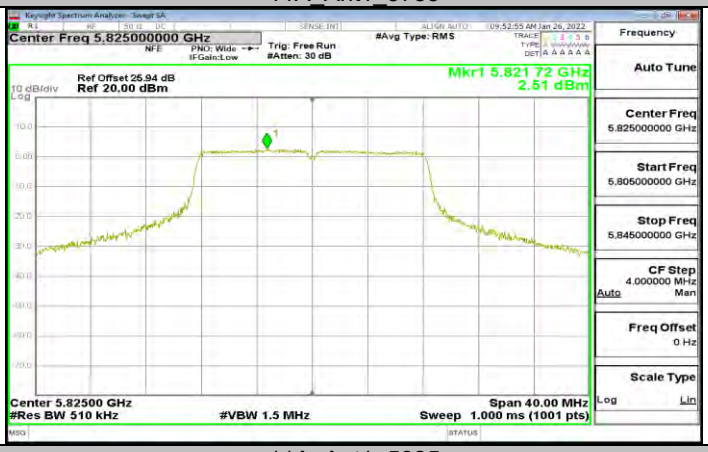
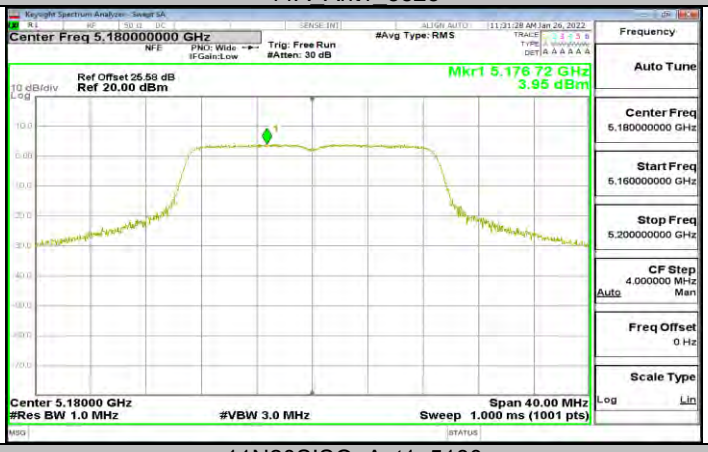


11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180

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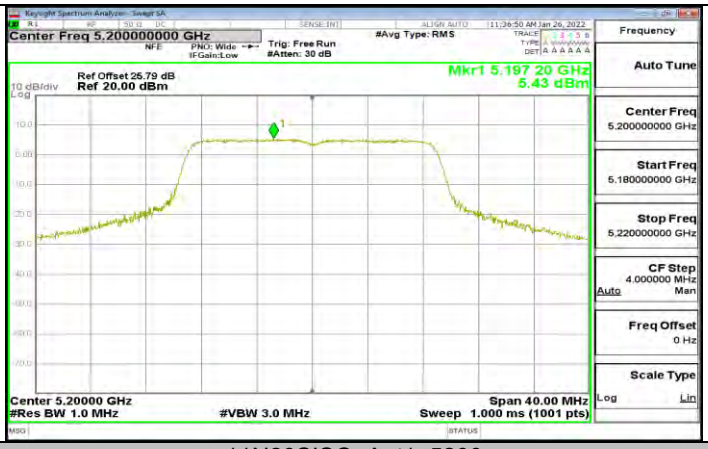

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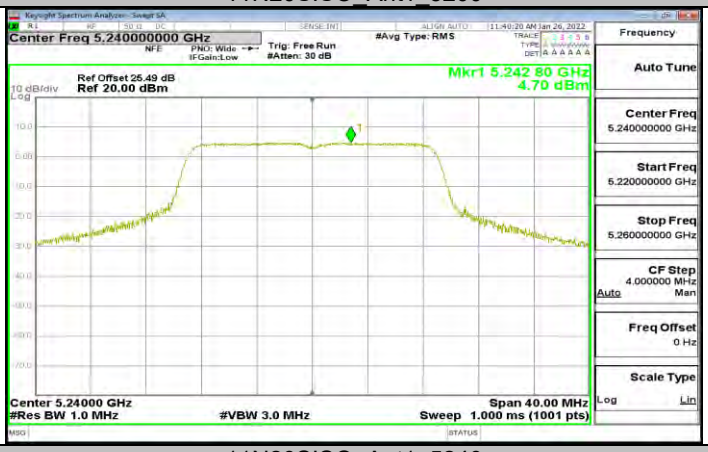

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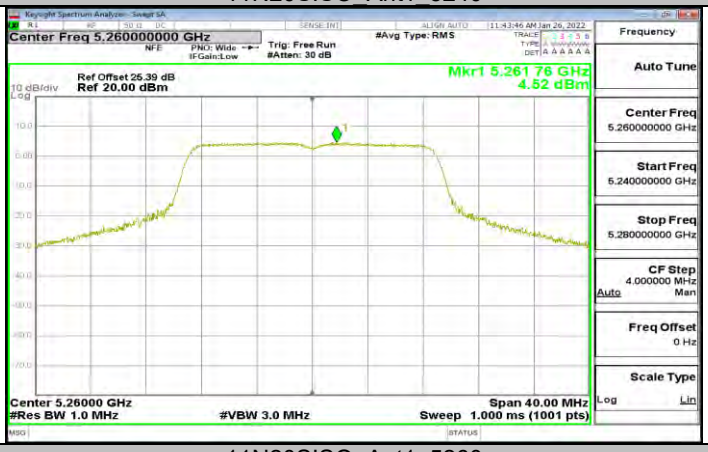

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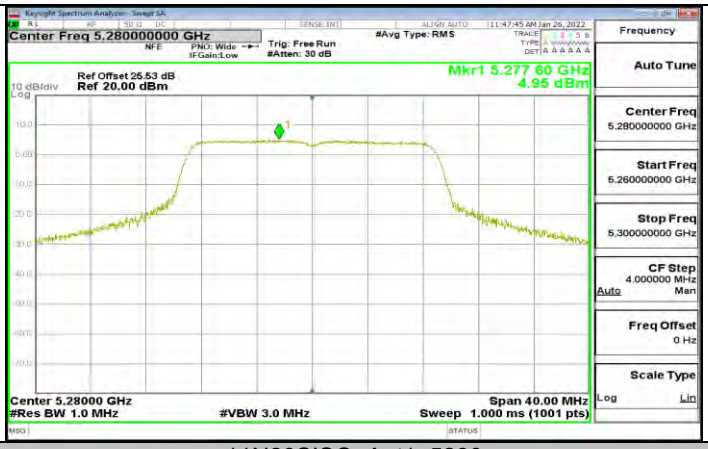
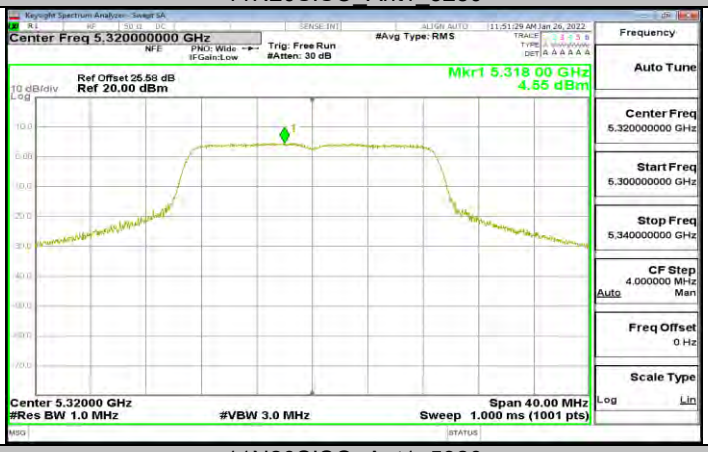


11N20SISO_Ant1_5280



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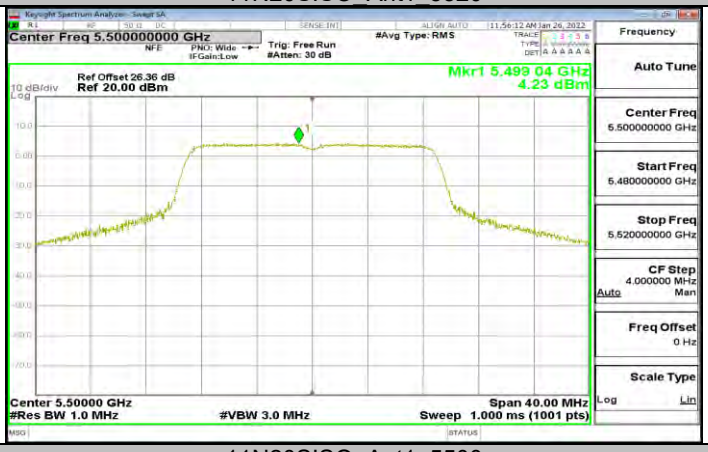

11N20SISO_Ant1_5500

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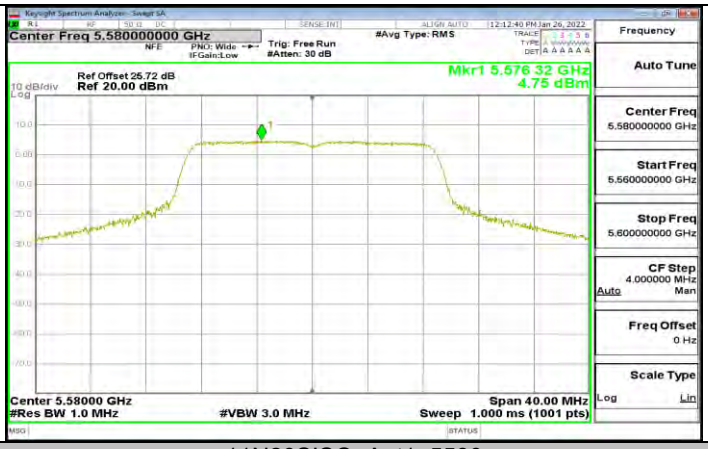

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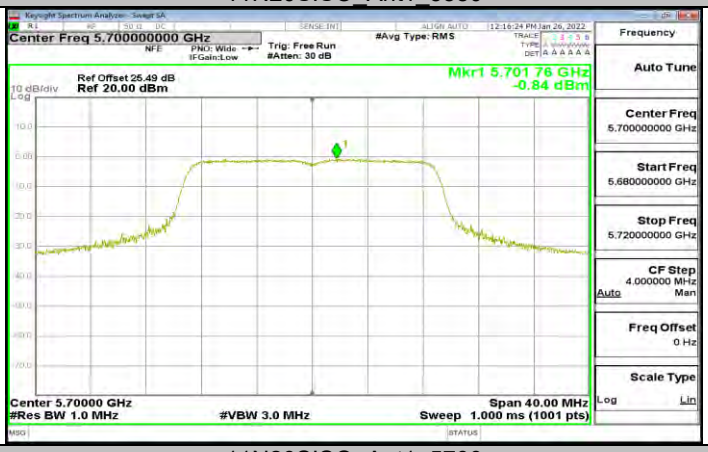

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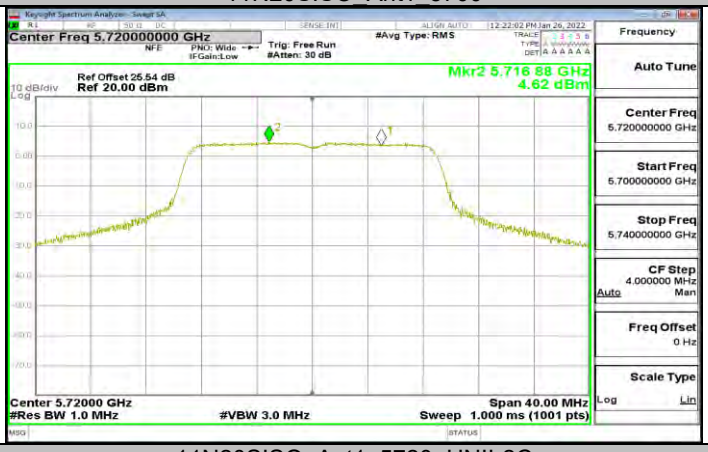

11N20SISO_Ant1_5720_UNII-2C

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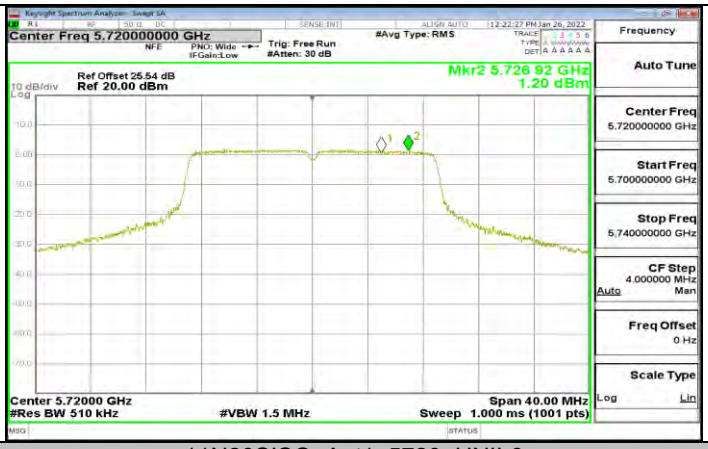

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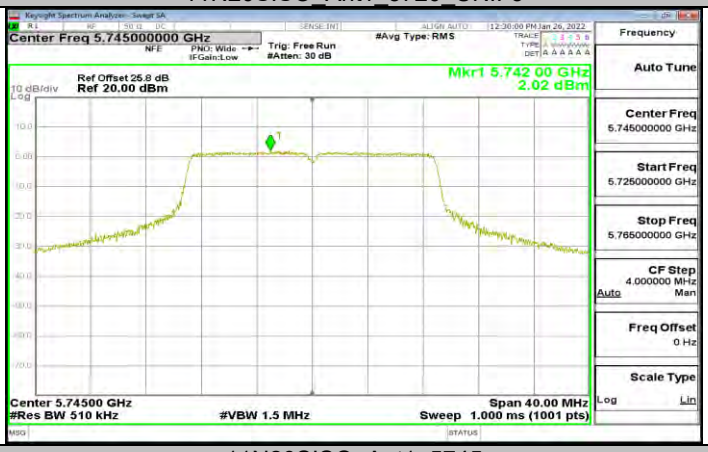

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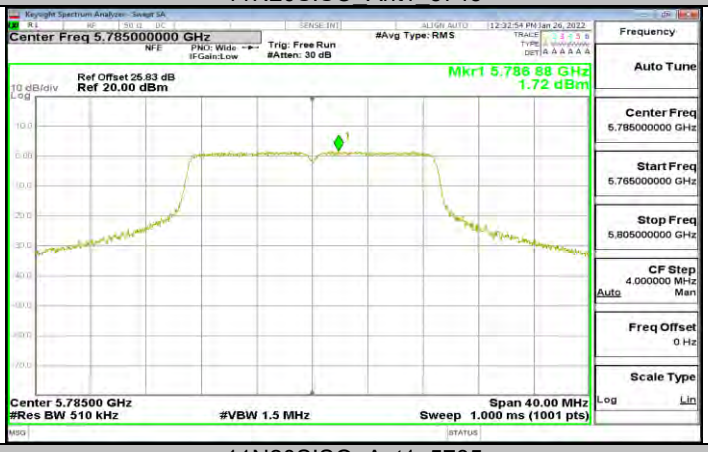

11N20SISO_Ant1_5785

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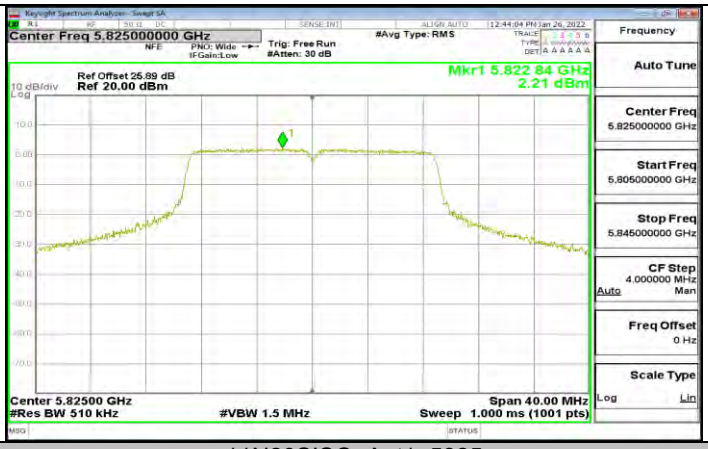

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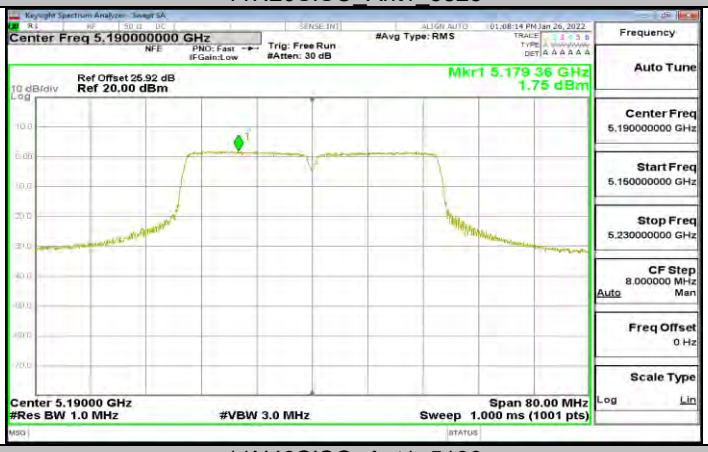
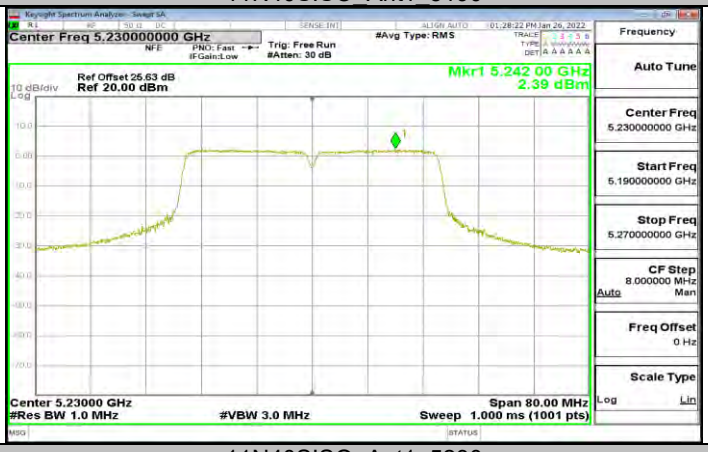


11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

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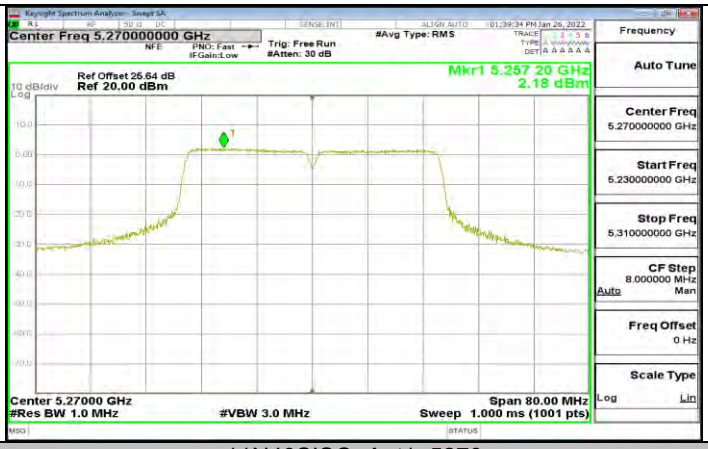

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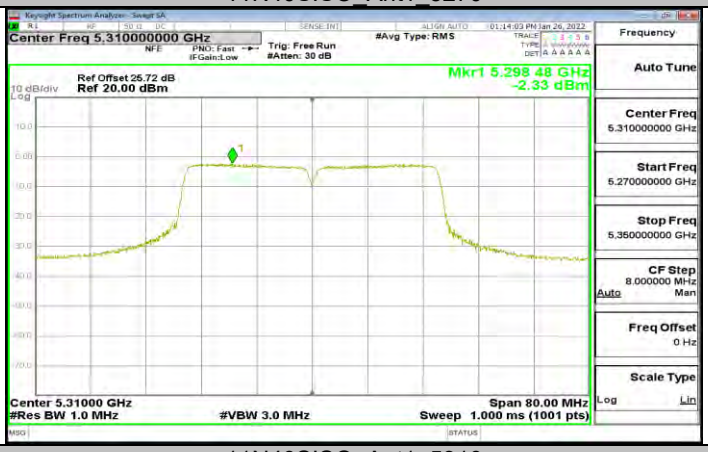

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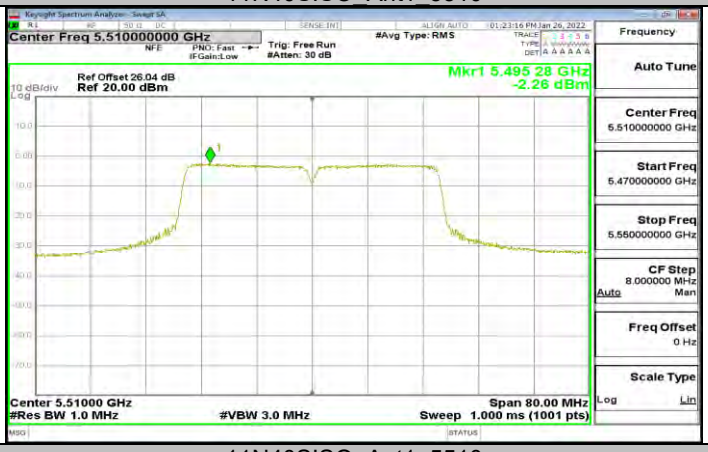

11N40SISO_Ant1_5510

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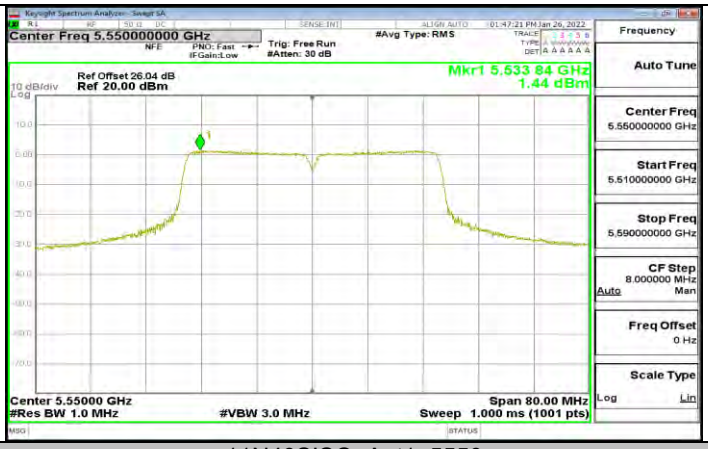

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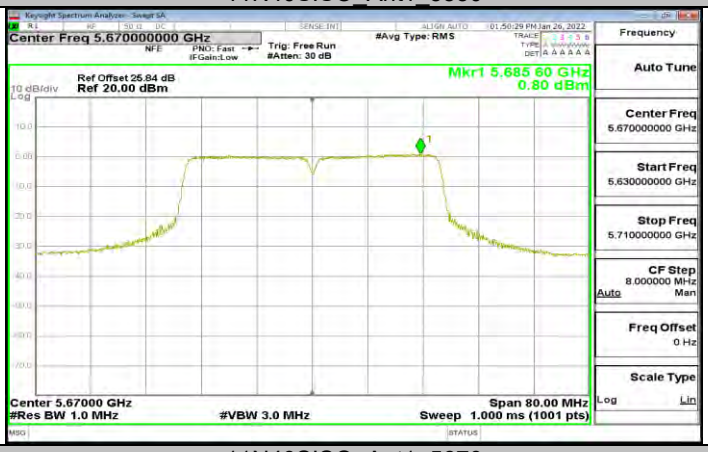
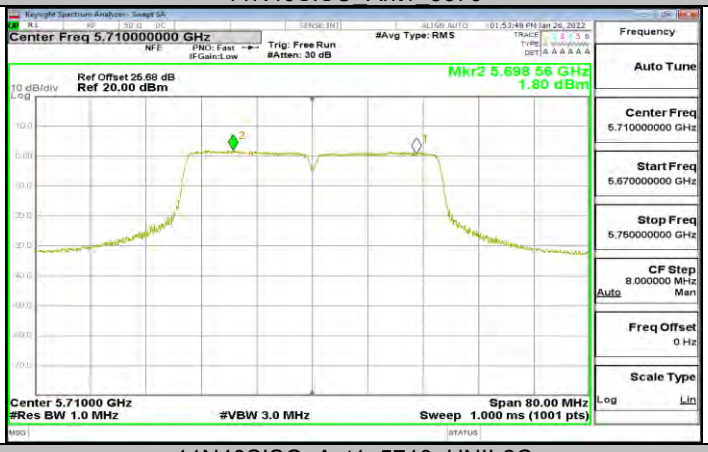


11N40SISO_Ant1_5670



11N40SISO_Ant1_5710_UNII-2C

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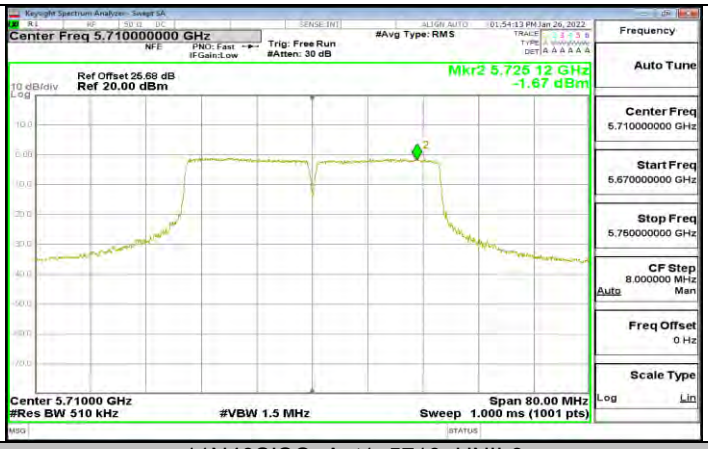

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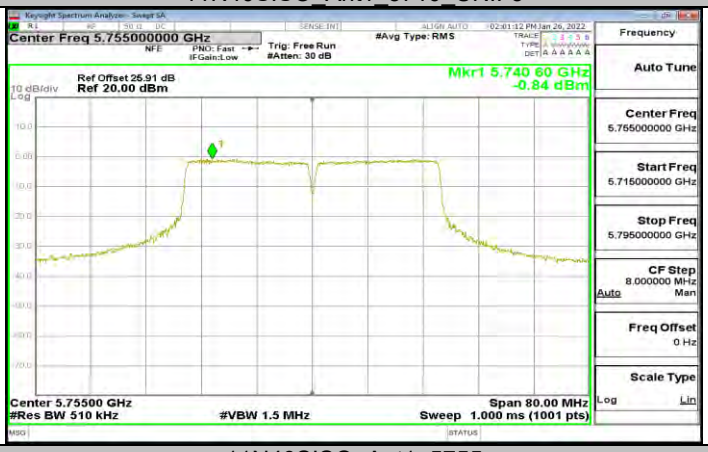

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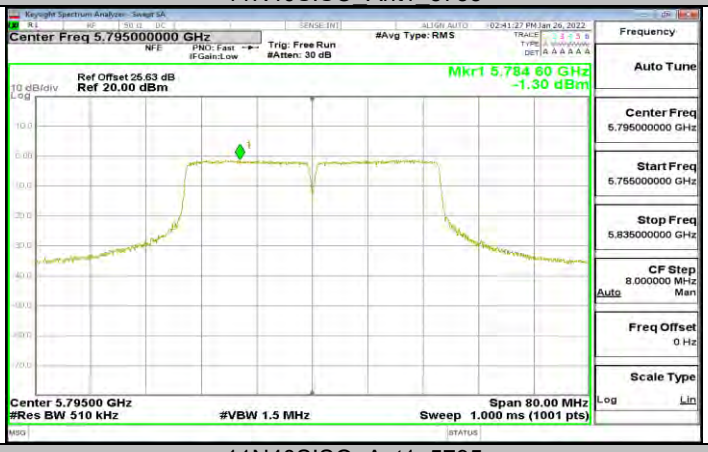

11N40SISO_Ant1_5795

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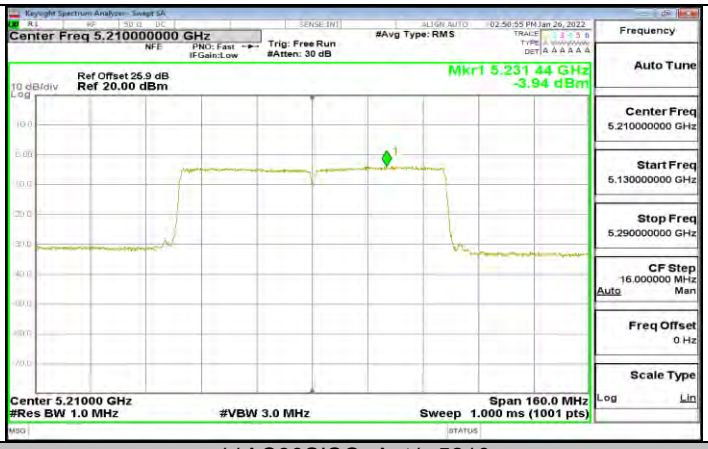
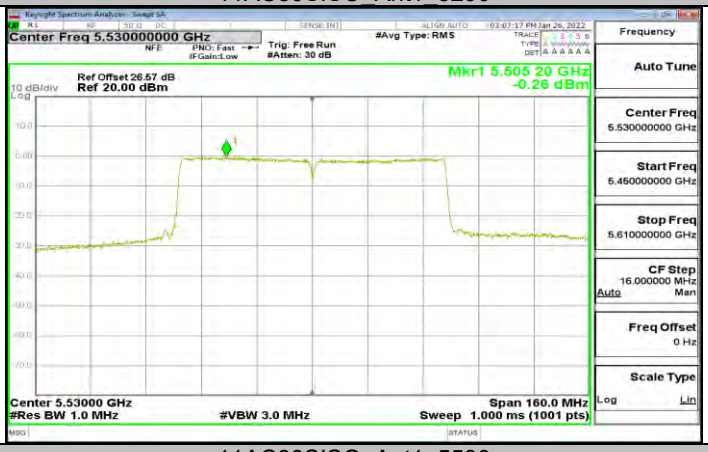


11AC80SISO_Ant1_5210

11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530

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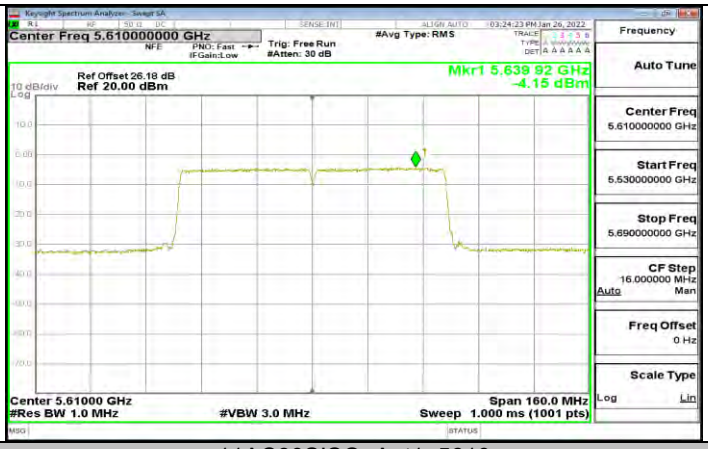

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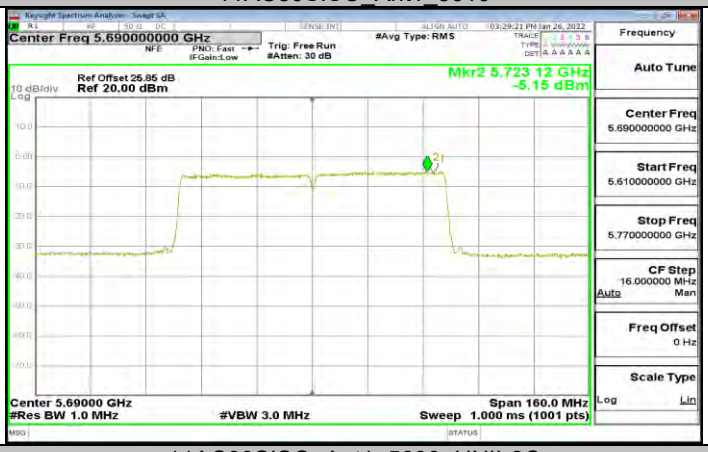
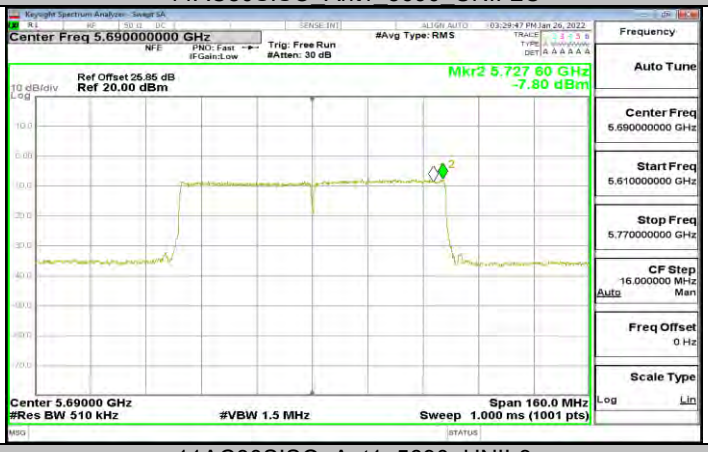


11AC80SISO_Ant1_5690_UNII-2C



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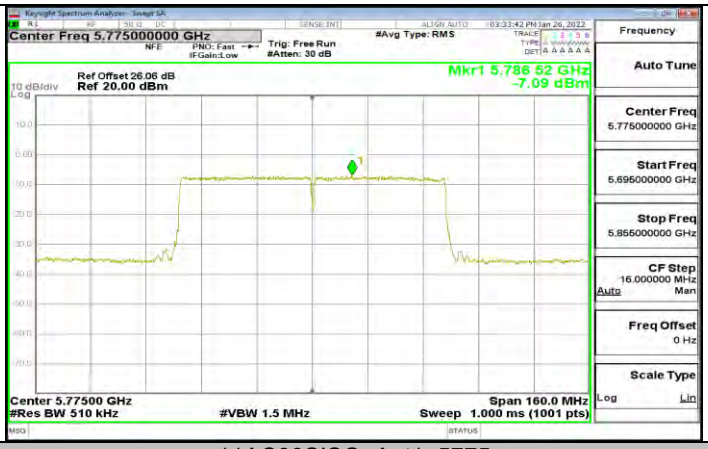

11AC80SISO_Ant1_5775

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13.6. Appendix D: Duty Cycle

13.6.1. Test Result

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	3.45	3.56	0.9691	96.91	0.14	0.29	0.5
11N20SISO	5.09	5.22	0.9751	97.51	0.11	0.20	0.5
11N40SISO	2.47	2.61	0.9464	94.64	0.24	0.40	0.5
11AC80SISO	1.17	1.3	0.9000	90.00	0.46	0.85	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.

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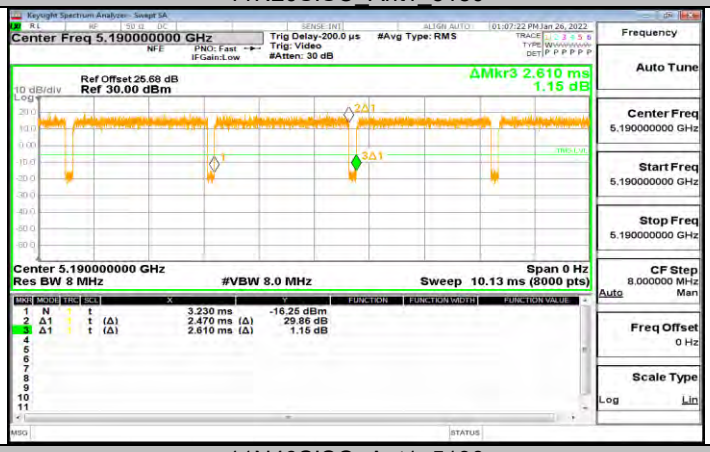
13.6.2. Test Graphs

11A_Ant1_5180

11N20SISO_Ant1_5180



11N40SISO_Ant1_5190

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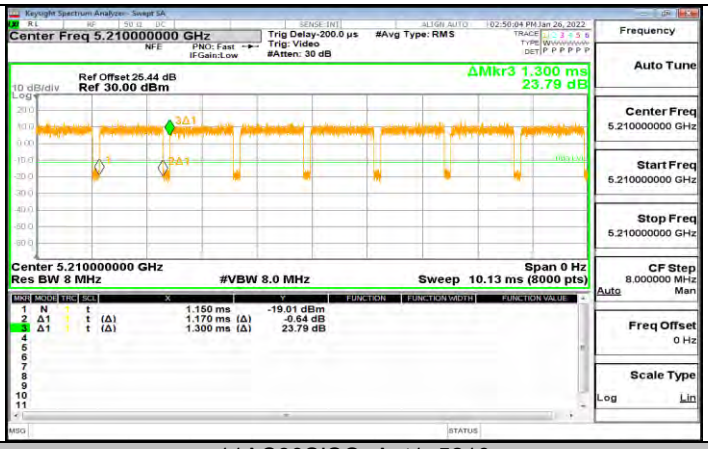

11AC80SISO_Ant1_5210

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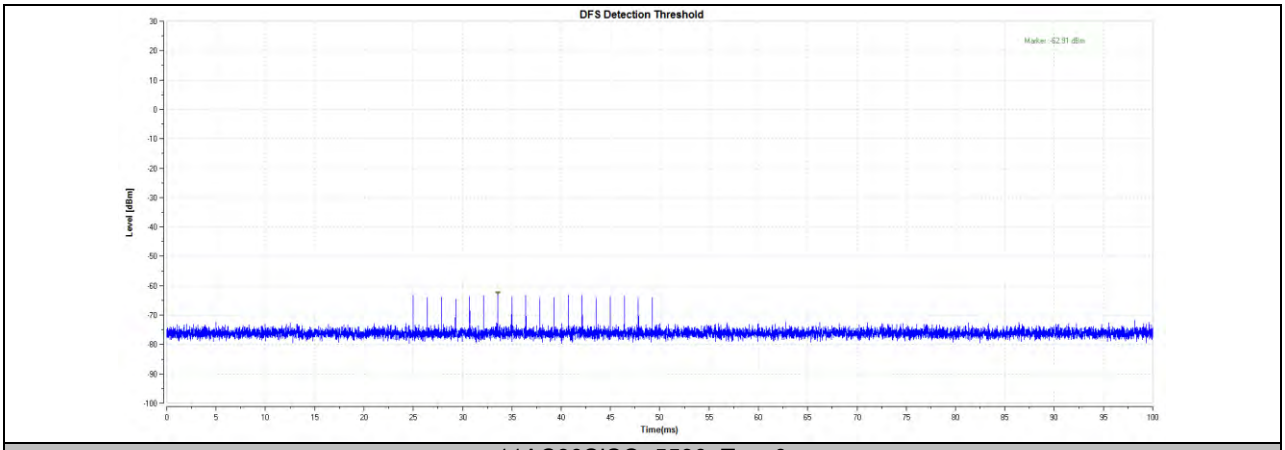
13.7. Appendix E: Dynamic Frequency Selection

DFS Detection Thresholds Test Result

Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC80SISO	5530	Type0	-62.91	-62.00	PASS

DFS Detection Thresholds Test Graphs



11AC80SISO_5530_Type0

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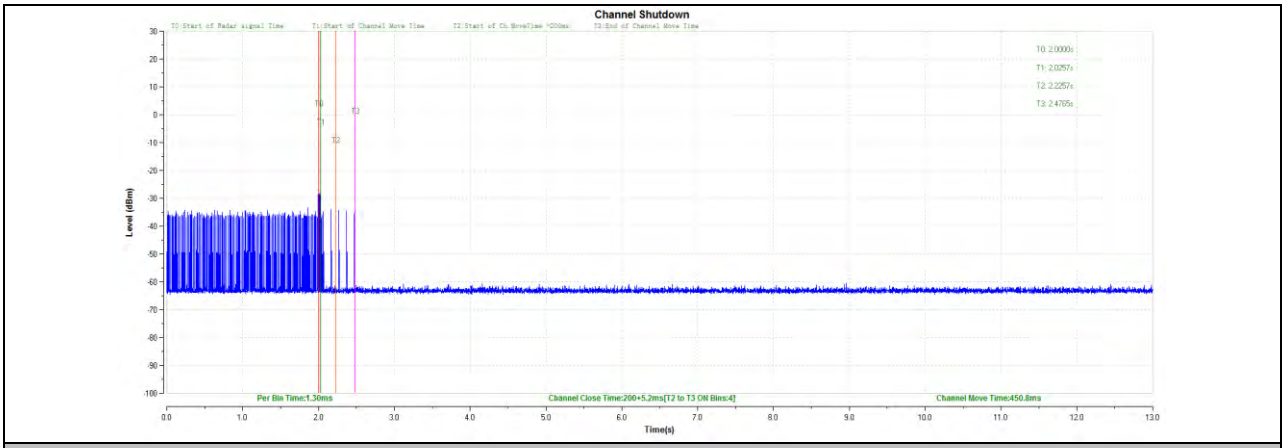
Channel Move Time and Channel Closing Transmission Time Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5520	200+5.2	200+60	450.8	10000	PASS

Channel Move Time and Channel Closing Transmission Time Test Graphs



11AC80SISO_5520

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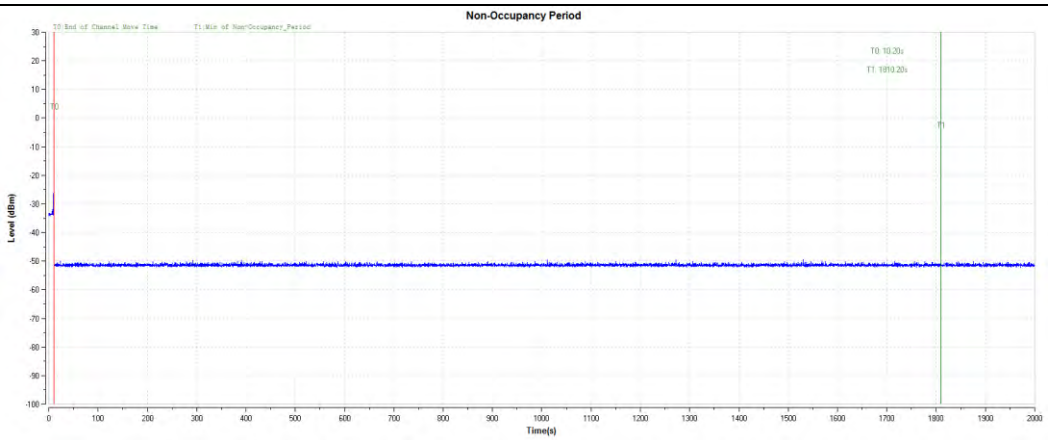
Non-Occupancy Period Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80SISO	5520	see test graph	≥1800	PASS

Non-Occupancy Period Test Graphs



11AC80SISO_5520

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13.8. Appendix F: Frequency Stability

13.8.1. 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	5199.9813	-3.60	5199.9897	-1.98	5199.9956	-0.86	5199.9777	-4.30
TN	VN	5200.0032	0.61	5200.0214	4.12	5199.9807	-3.71	5200.0229	4.40
TN	VH	5199.9760	-4.62	5200.0240	4.62	5199.9757	-4.68	5200.0123	2.37
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	5200.0035	0.68	5199.9827	-3.33	5200.0031	0.60	5200.0133	2.56
60	VN	5199.9893	-2.05	5199.9978	-0.43	5200.0041	0.79	5199.9807	-3.71
50	VN	5200.0012	0.22	5199.9954	-0.88	5200.0129	2.49	5200.0208	3.99
40	VN	5199.9994	-0.12	5199.9786	-4.12	5200.0083	1.60	5200.0208	4.00
30	VN	5199.9803	-3.80	5200.0191	3.68	5199.9907	-1.79	5199.9988	-0.24
20	VN	5200.0020	0.39	5199.9775	-4.33	5200.0104	2.01	5200.0048	0.92
10	VN	5199.9904	-1.84	5200.0238	4.57	5200.0036	0.69	5200.0048	0.92
0	VN	5200.0035	0.68	5199.9827	-3.33	5200.0031	0.60	5200.0133	2.56

Note: For the detail Test Conditions, please refer to section 10 TEST ENVIRONMENT.

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Frequency Error vs. Voltage									
802.11a: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	5824.9927	-1.26	5824.9911	-1.52	5825.0083	1.43	5825.0005	0.08
TN	VN	5825.0074	1.26	5825.0245	4.21	5825.0242	4.16	5825.0215	3.69
TN	VH	5825.0072	1.23	5825.0005	0.08	5824.9981	-0.32	5824.9970	-0.52
Frequency Error vs. Temperature									
802.11a: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	5825.0183	3.14	5825.0220	3.78	5824.9885	-1.97	5824.9882	-2.03
60	VN	5824.9774	-3.88	5825.0125	2.14	5825.0033	0.57	5824.9805	-3.34
50	VN	5825.0152	2.60	5825.0176	3.01	5825.0208	3.57	5825.0237	4.07
40	VN	5825.0065	1.11	5824.9889	-1.90	5825.0200	3.43	5825.0178	3.05
30	VN	5825.0145	2.48	5824.9991	-0.16	5824.9797	-3.48	5825.0118	2.03
20	VN	5824.9756	-4.18	5824.9973	-0.46	5825.0241	4.13	5825.0112	1.93
10	VN	5825.0248	4.26	5825.0091	1.57	5825.0210	3.60	5824.9920	-1.37
0	VN	5825.0183	3.14	5825.0220	3.78	5824.9885	-1.97	5824.9882	-2.03

Note: For the detail Test Conditions, please refer to section 10 TEST ENVIRONMENT.

END OF REPORT

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