Appendix Test Data

Report No.:	18220WC40033902	Test Sample No.:	1-2-2
Start Test Date:	2024.3.12	Finish Test Date:	2024.3.13
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25℃	Relative Humidity:	45%
Pressure:	101kPa		

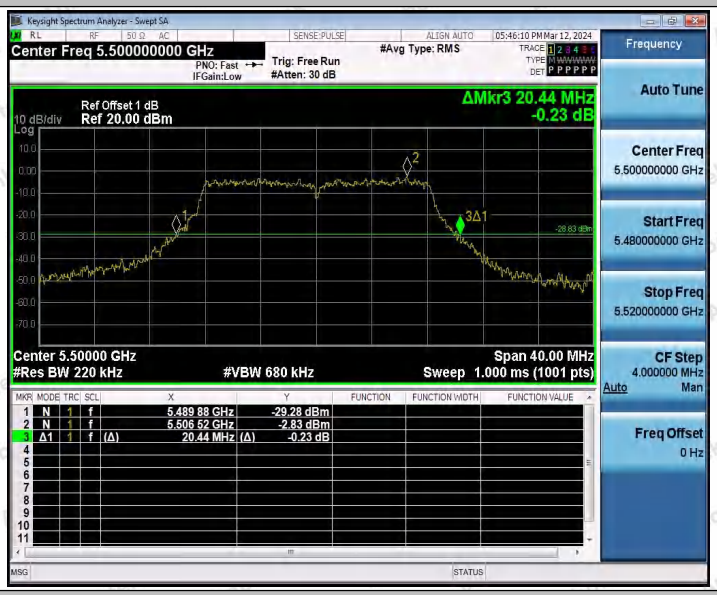
Appendix A1: Emission Bandwidth

Test Result

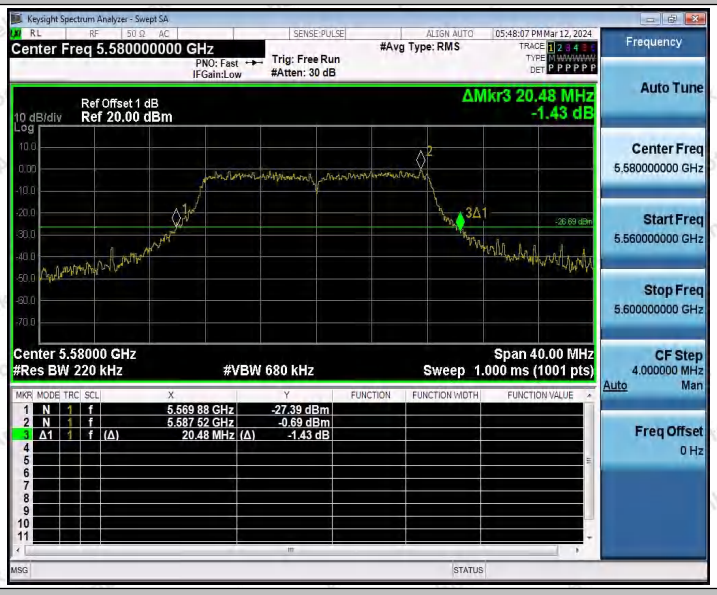
Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	20.440	5489.880	5510.320	---	---
		5580	20.480	5569.880	5590.360	---	---
		5700	20.520	5689.720	5710.240	---	---
11N20SISO	Ant1	5500	20.680	5489.800	5510.480	---	---
		5580	20.800	5569.640	5590.440	---	---
		5700	20.960	5689.480	5710.440	---	---
11N40SISO	Ant1	5510	41.280	5489.680	5530.960	---	---
		5550	42.160	5528.880	5571.040	---	---
		5670	42.640	5649.200	5691.840	---	---
11AC20SISO	Ant1	5500	20.920	5489.560	5510.480	---	---
		5580	20.720	5569.600	5590.320	---	---
		5700	20.720	5689.480	5710.200	---	---
11AC40SISO	Ant1	5510	40.880	5489.760	5530.640	---	---
		5550	42.560	5529.120	5571.680	---	---
		5670	41.920	5649.120	5691.040	---	---
11AC80SISO	Ant1	5530	81.120	5489.840	5570.960	---	---
		5610	82.560	5569.360	5651.920	---	---

Test Graphs

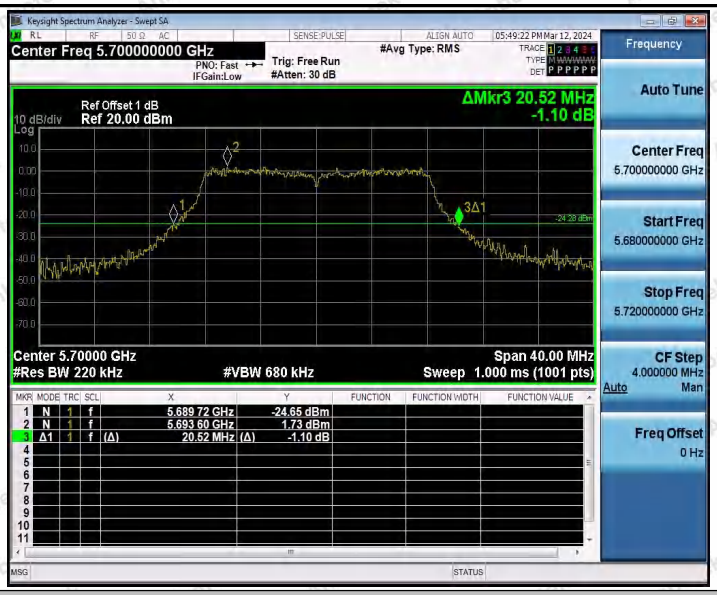
11A_Ant1_5500



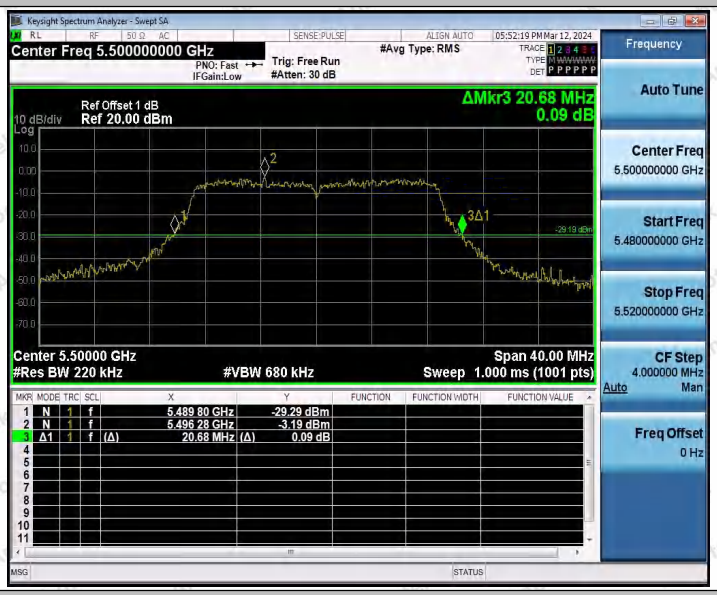
11A_Ant1_5580



11A_Ant1_5700

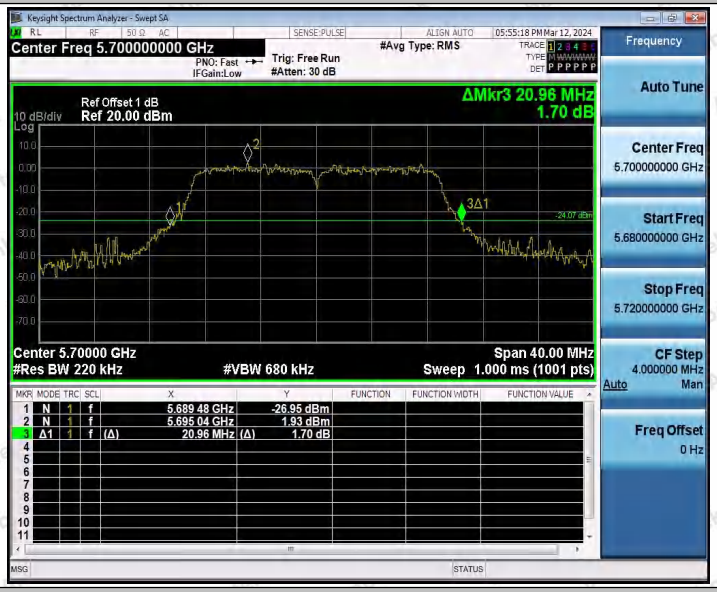


11N20SISO_Ant1_5500



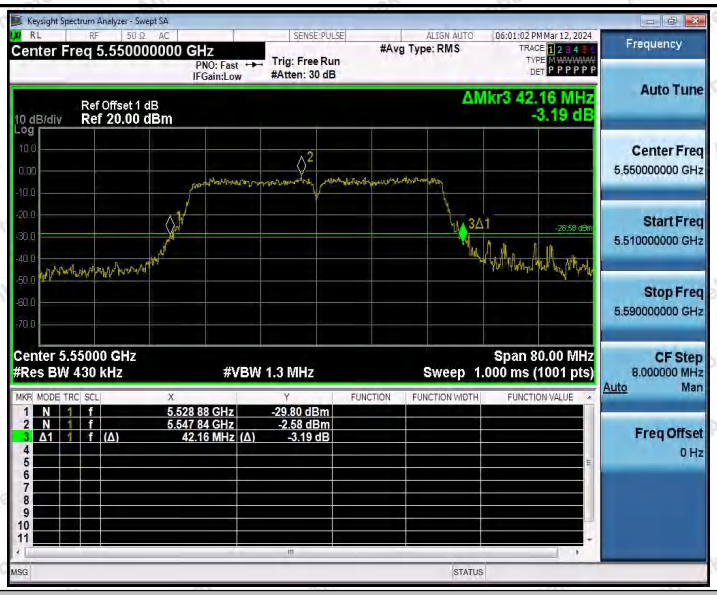
11N20SISO_Ant1_5580

11N20SISO_Ant1_5700

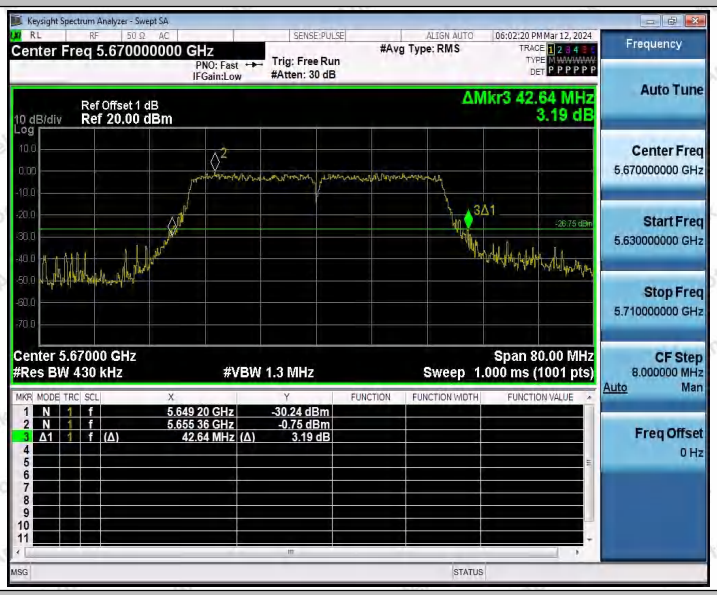


11N40SISO_Ant1_5510

11N40SISO_Ant1_5550

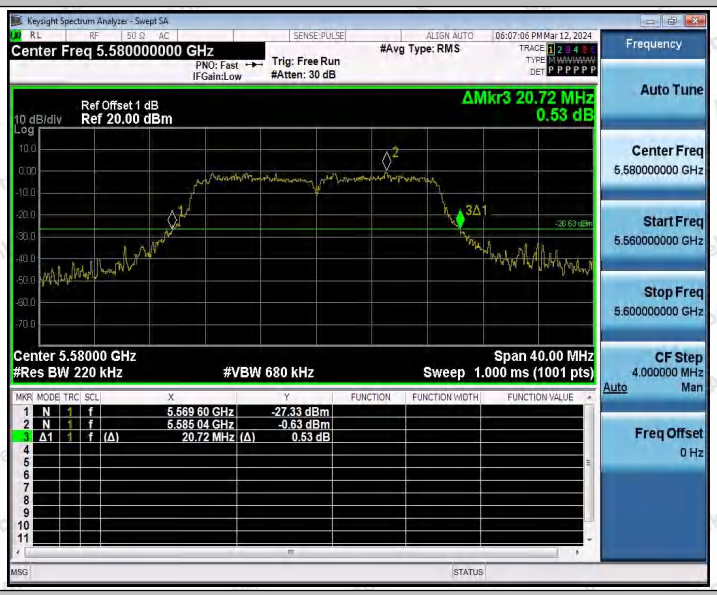


11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500

11AC20SISO_Ant1_5580



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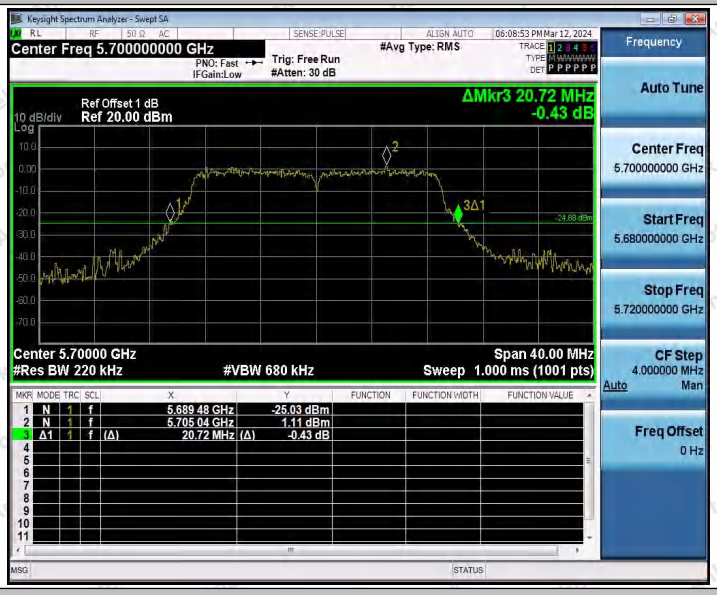
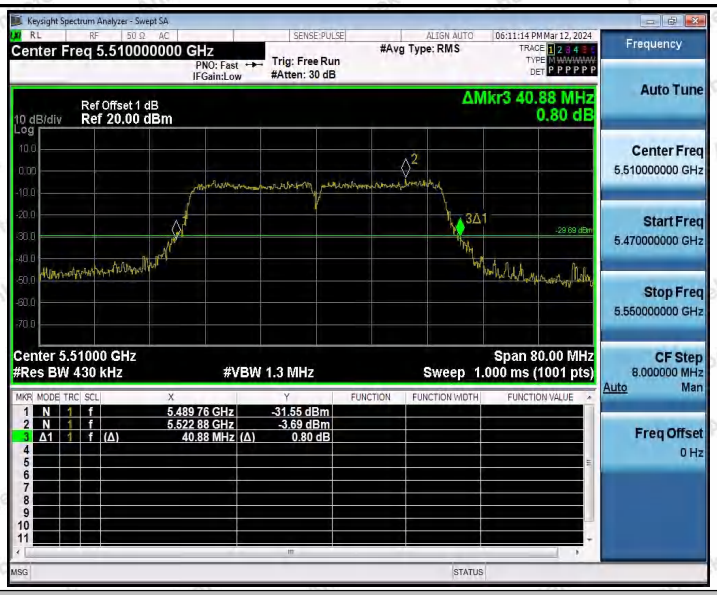
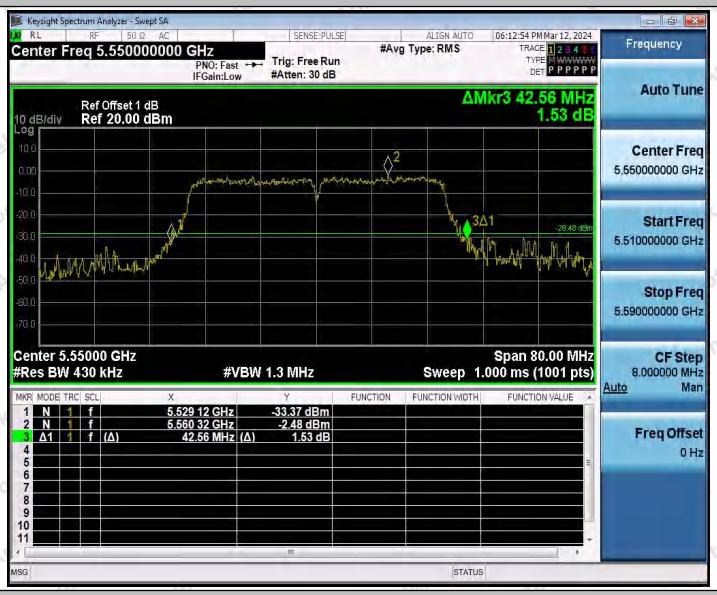


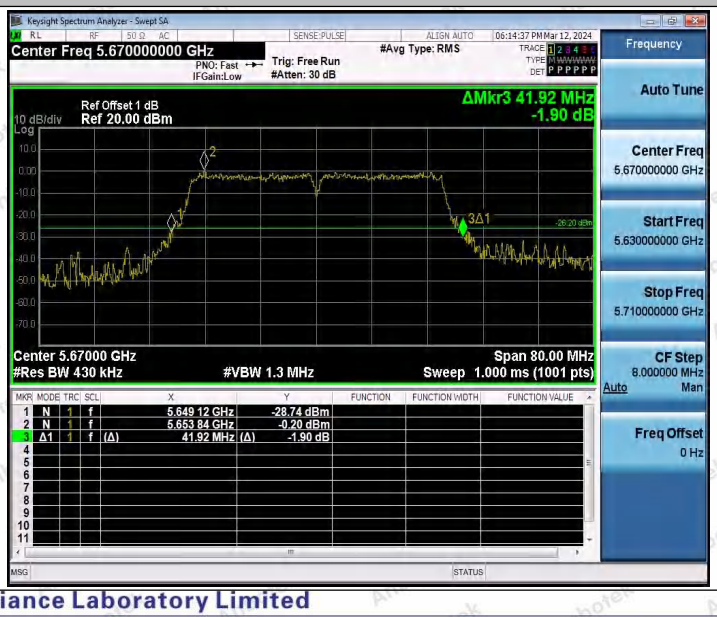
11AC40SISO_Ant1_5510



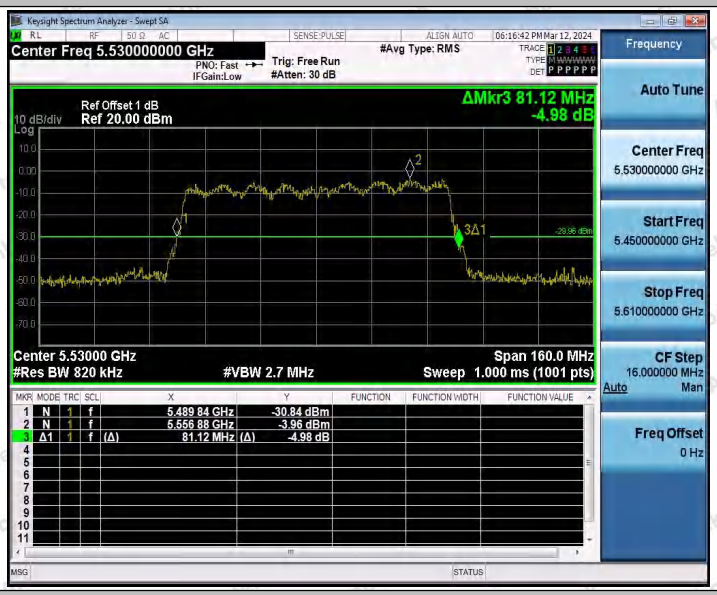
11AC40SISO_Ant1_5550



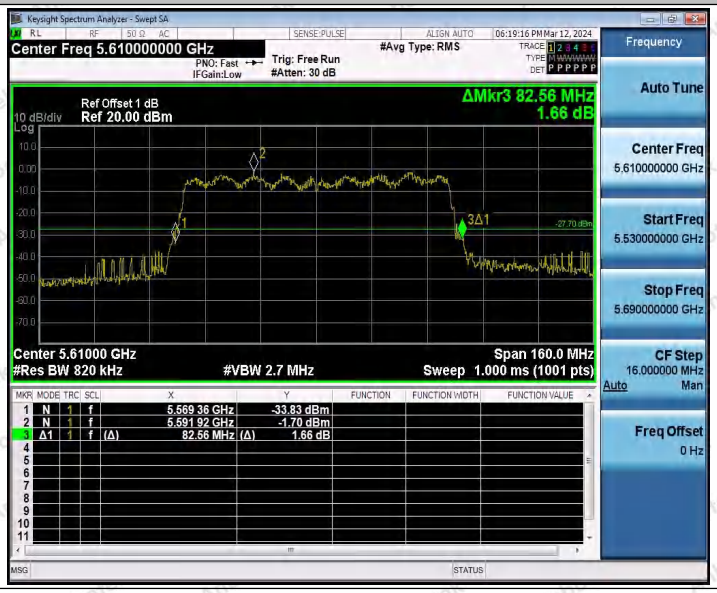
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix A2: Occupied channel bandwidth

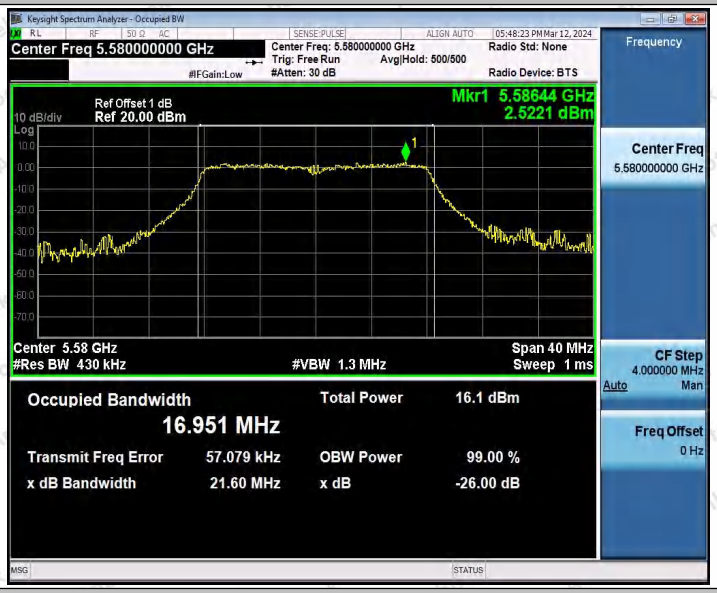
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.007	5491.5444	5508.5514	---	---
		5580	16.951	5571.5816	5588.5326	---	---
		5700	17.005	5691.5308	5708.5358	---	---
11N20SISO	Ant1	5500	17.959	5491.0501	5509.0091	---	---
		5580	18.008	5571.0339	5589.0419	---	---
		5700	18.000	5690.9998	5708.9998	---	---
11N40SISO	Ant1	5510	36.616	5491.8349	5528.4509	---	---
		5550	36.636	5531.8322	5568.4682	---	---
		5670	36.731	5651.7287	5688.4597	---	---
11AC20SISO	Ant1	5500	18.035	5490.9708	5509.0058	---	---
		5580	17.996	5571.0082	5589.0042	---	---
		5700	17.995	5690.9658	5708.9608	---	---
11AC40SISO	Ant1	5510	36.566	5491.8934	5528.4594	---	---
		5550	36.731	5531.8869	5568.6179	---	---
		5670	36.583	5651.8263	5688.4093	---	---
11AC80SISO	Ant1	5530	75.930	5492.3618	5568.2918	---	---
		5610	76.001	5572.2563	5648.2573	---	---

Test Graphs

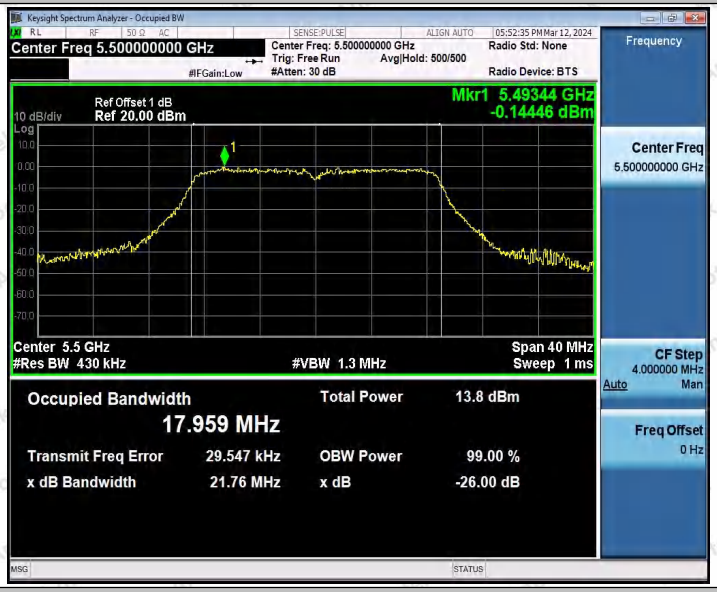
11A_Ant1_5500

11A_Ant1_5580

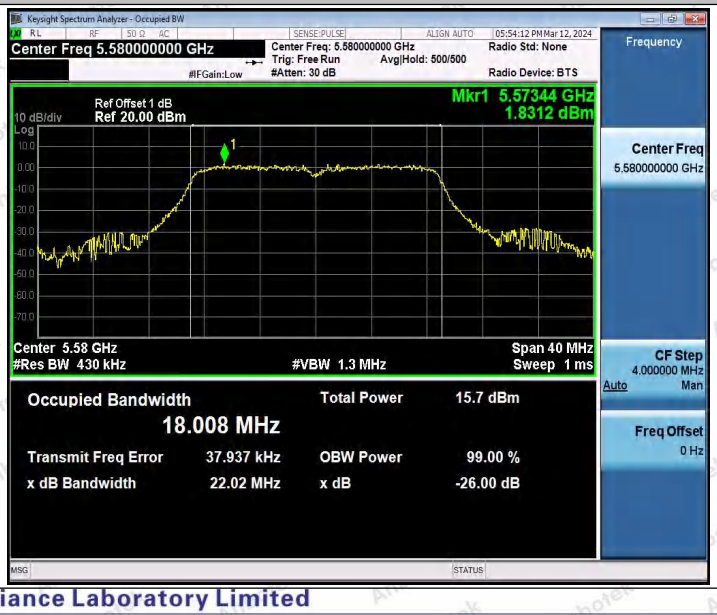


11A_Ant1_5700

11N20SISO_Ant1_5500

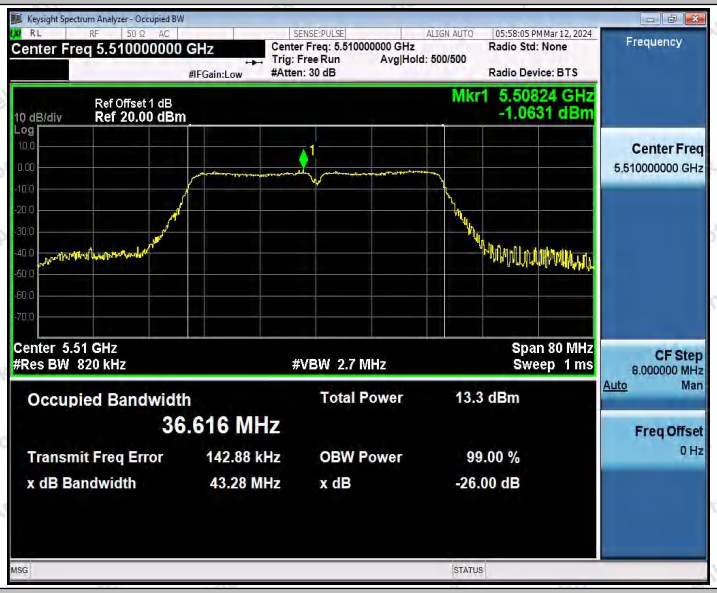


11N20SISO_Ant1_5580



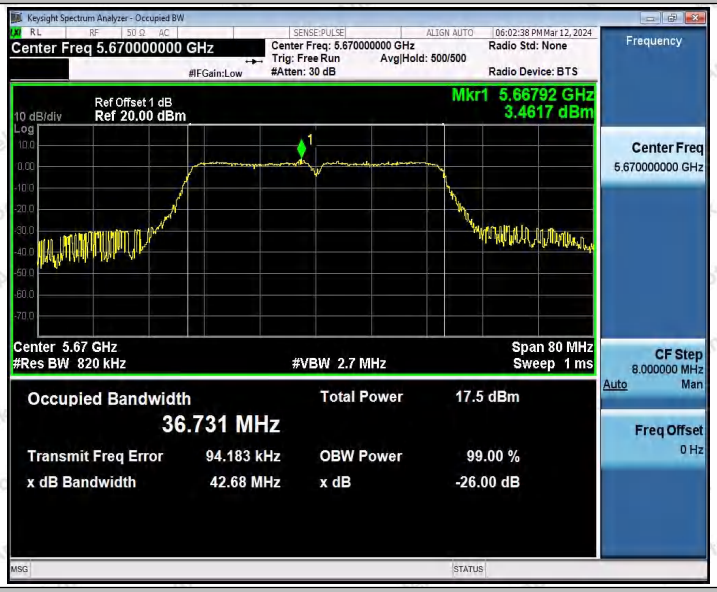
11N20SISO_Ant1_5700

11N40SISO_Ant1_5510

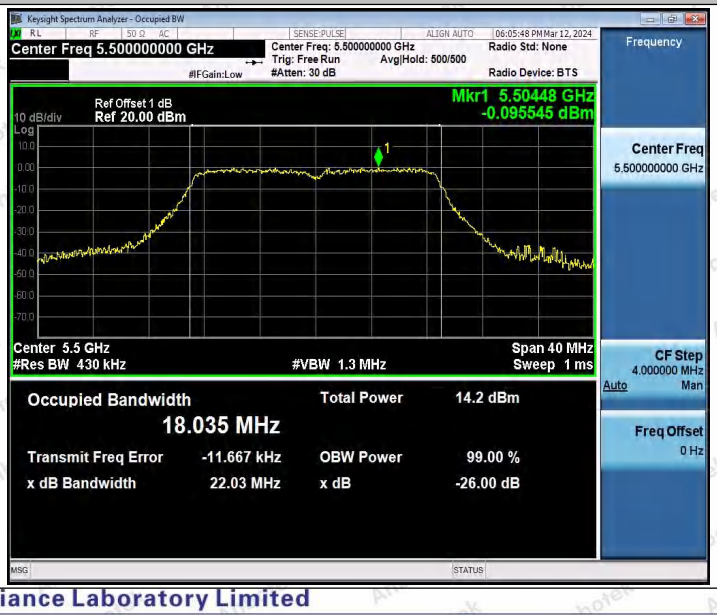


11N40SISO_Ant1_5550

11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



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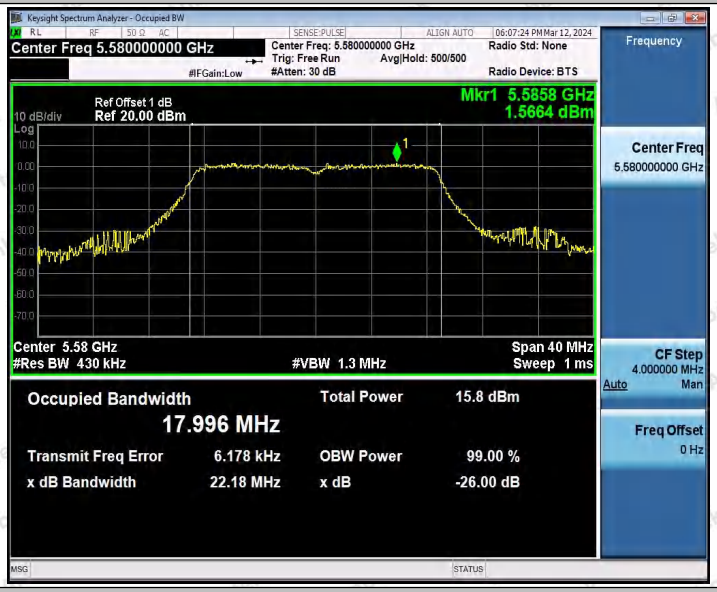
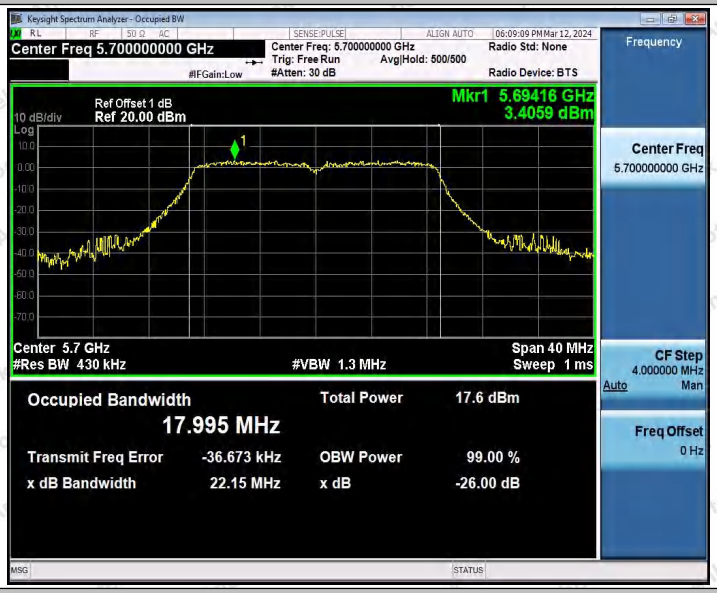
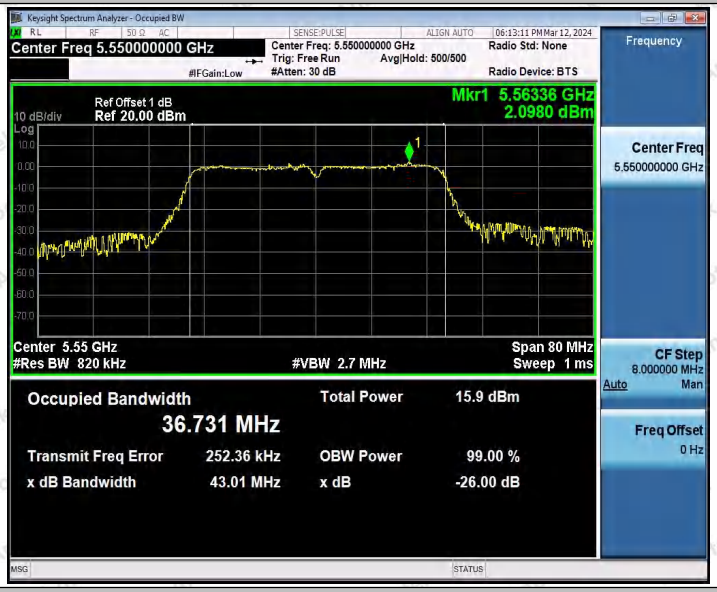


11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510

11AC40SISO_Ant1_5550



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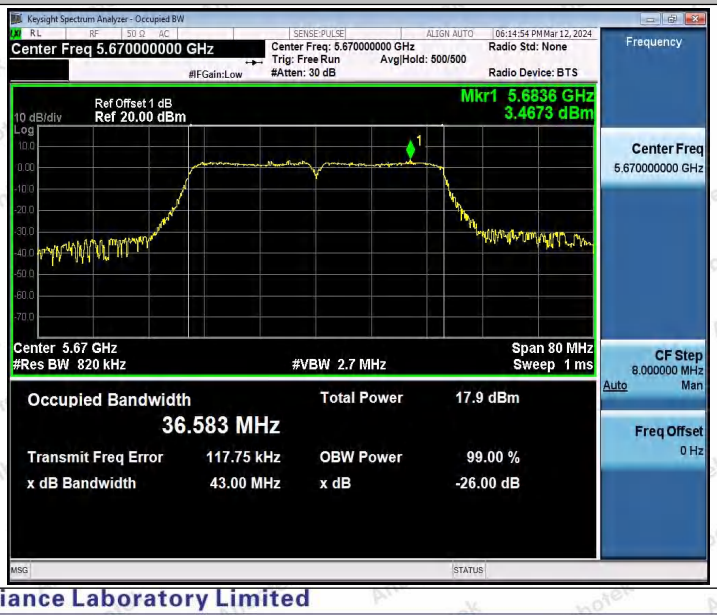
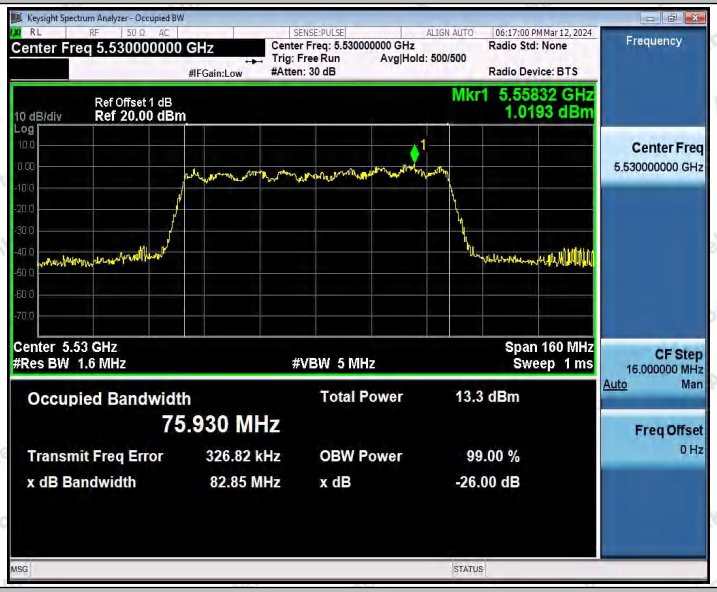
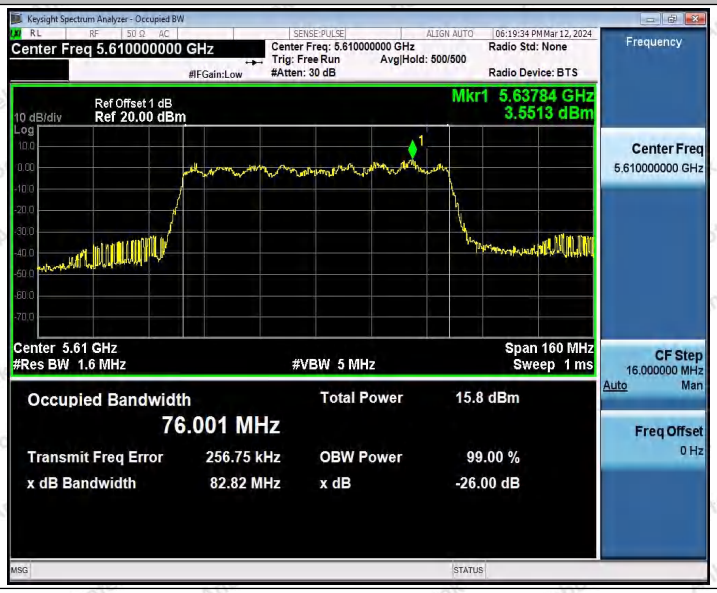


11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



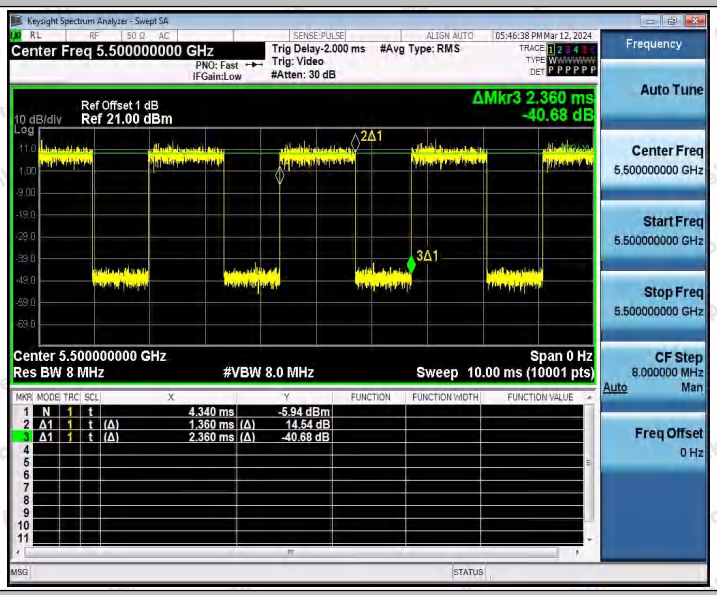
Appendix B: Duty Cycle

Test Result

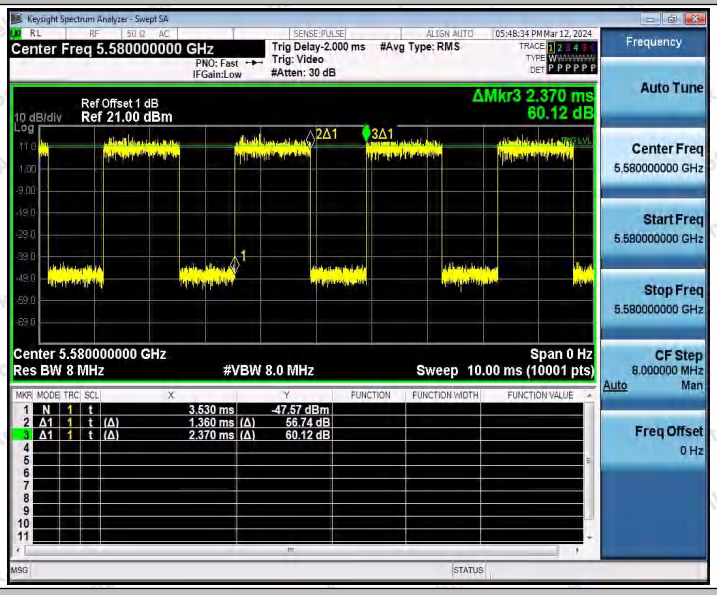
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5500	1.36	2.36	57.63
		5580	1.36	2.37	57.38
		5700	1.36	2.36	57.63
11N20SISO	Ant1	5500	1.27	2.27	55.95
		5580	1.28	2.28	56.14
		5700	1.27	2.27	55.95
11N40SISO	Ant1	5510	0.63	1.64	38.41
		5550	0.63	1.64	38.41
		5670	0.63	1.63	38.65
11AC20SISO	Ant1	5500	1.28	2.28	56.14
		5580	1.28	2.28	56.14
		5700	1.27	2.28	55.70
11AC40SISO	Ant1	5510	0.64	1.64	39.02
		5550	0.64	1.64	39.02
		5670	0.64	1.64	39.02
11AC80SISO	Ant1	5530	0.32	1.32	24.24
		5610	0.32	1.32	24.24

Test Graphs

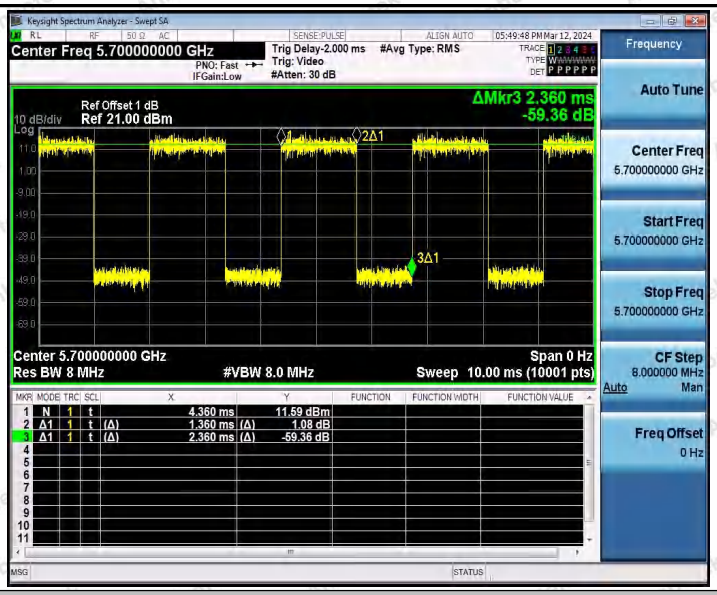
11A_Ant1_5500



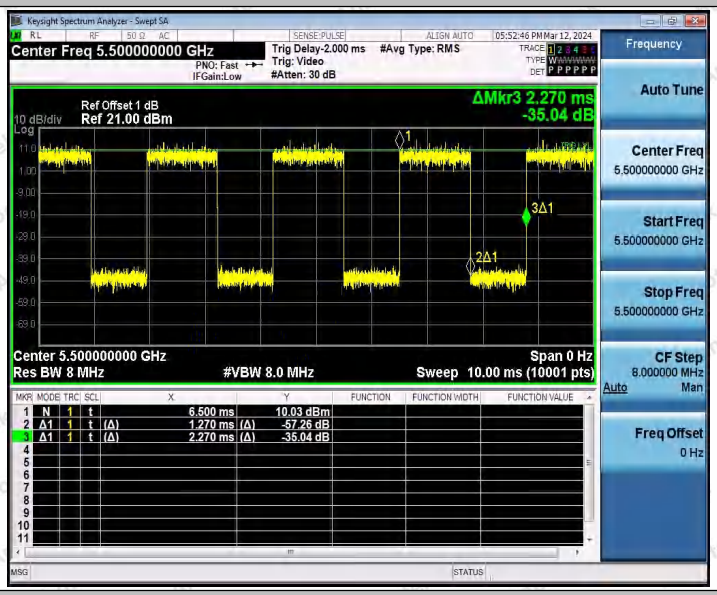
11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



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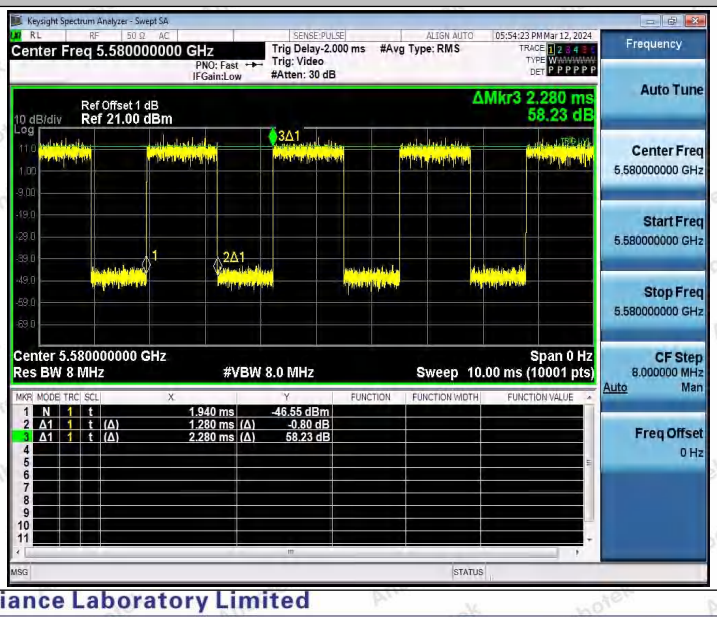

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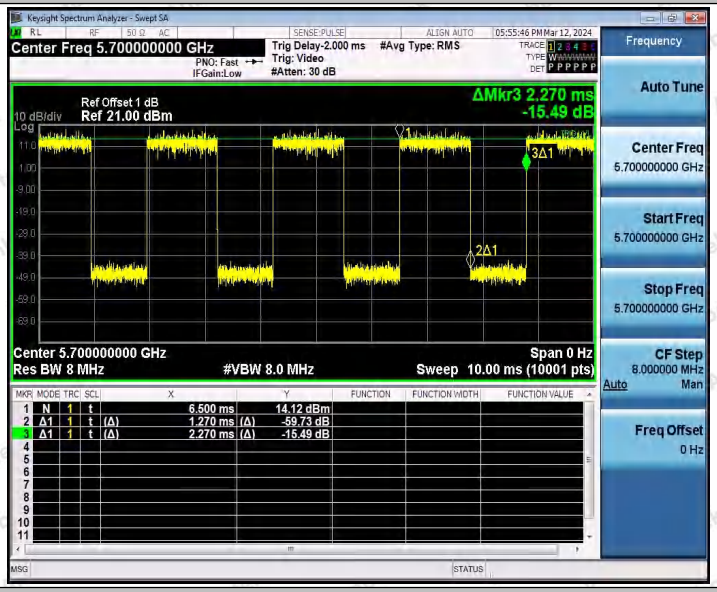

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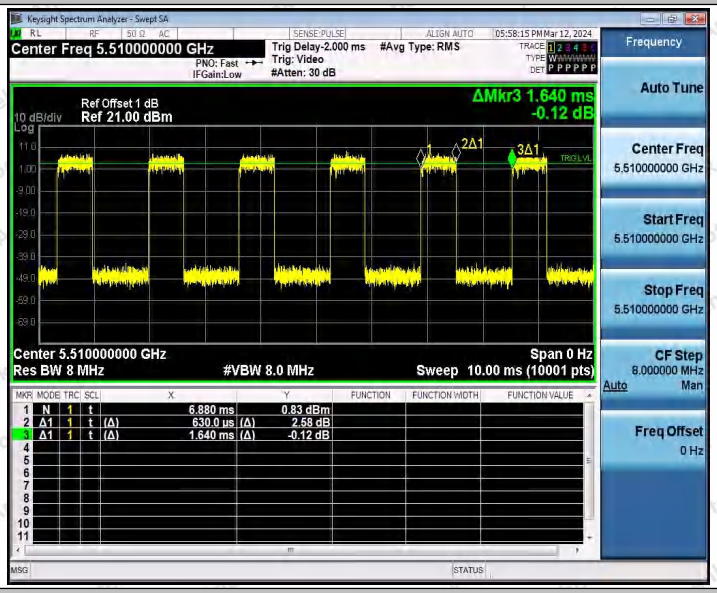
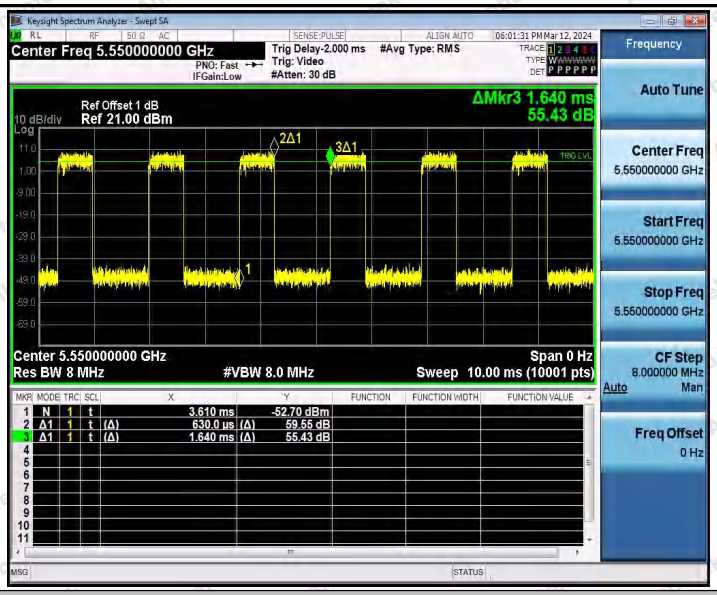
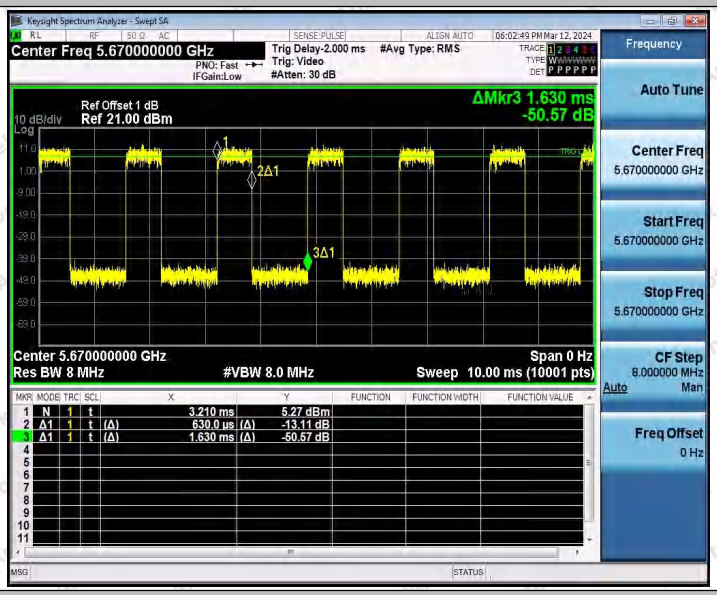


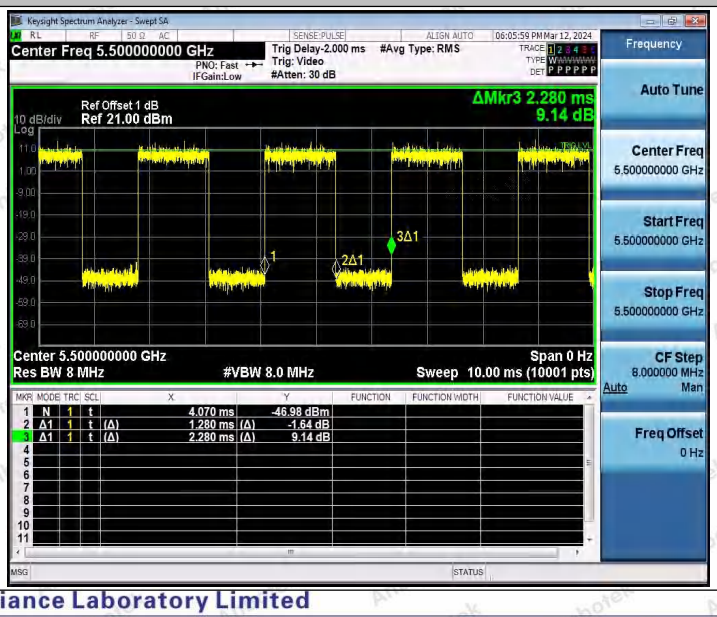
11N40SISO_Ant1_5550



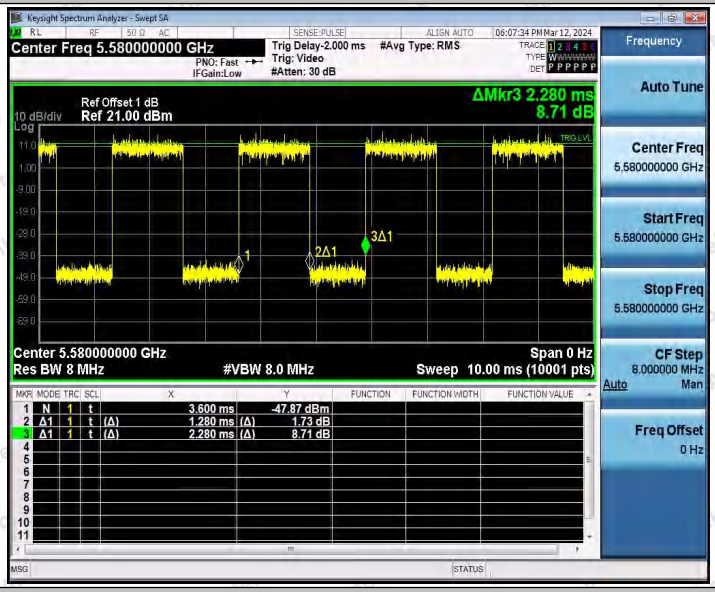
11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



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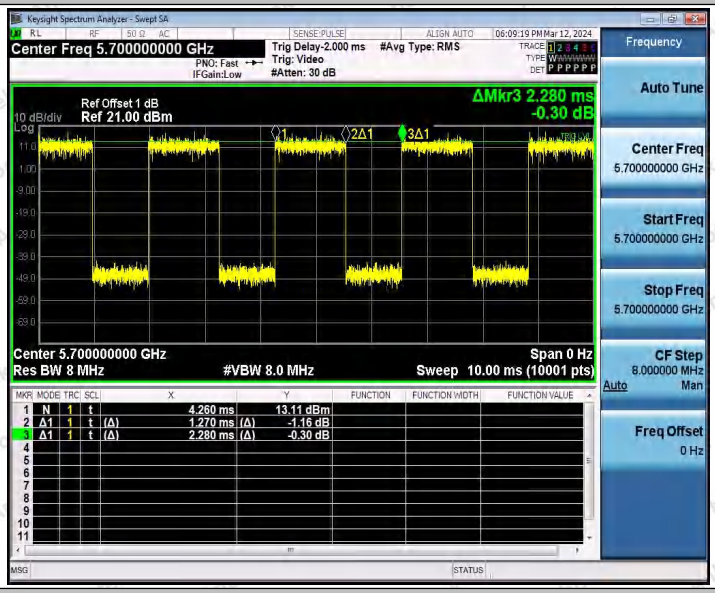
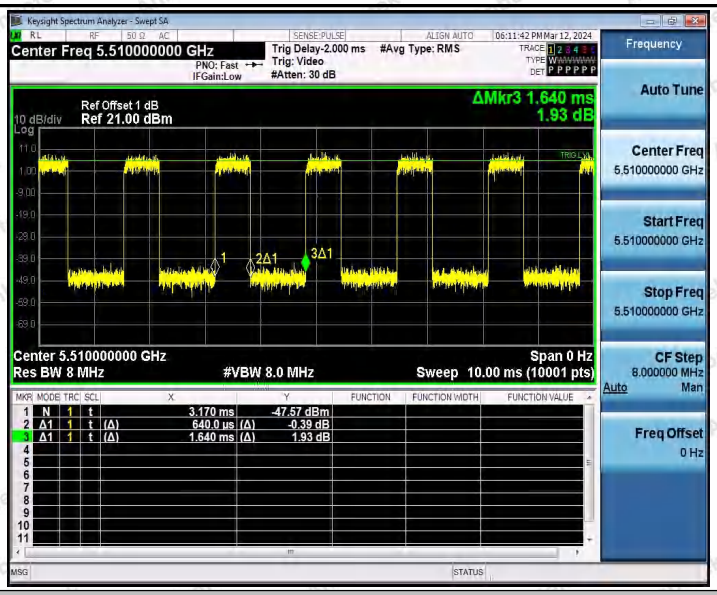
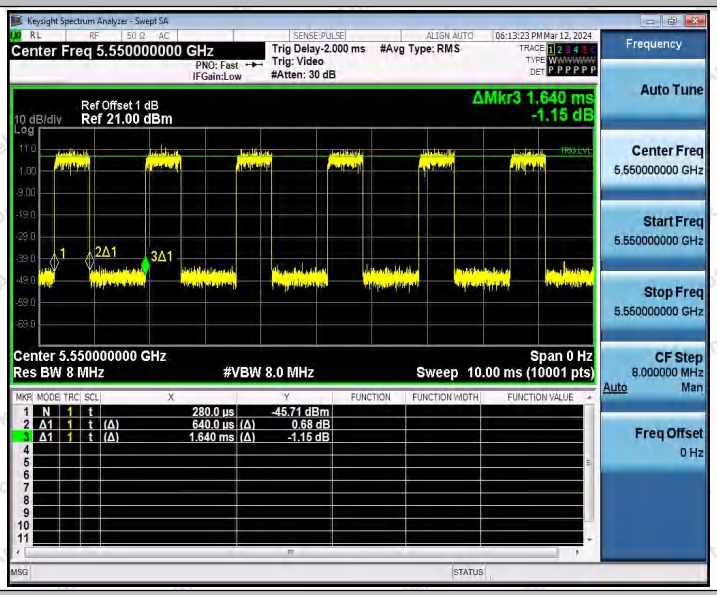


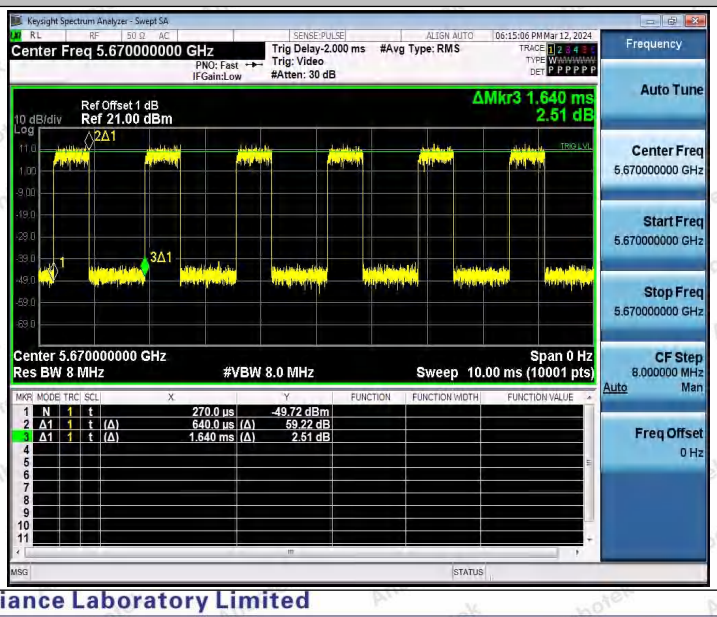
11AC40SISO_Ant1_5510



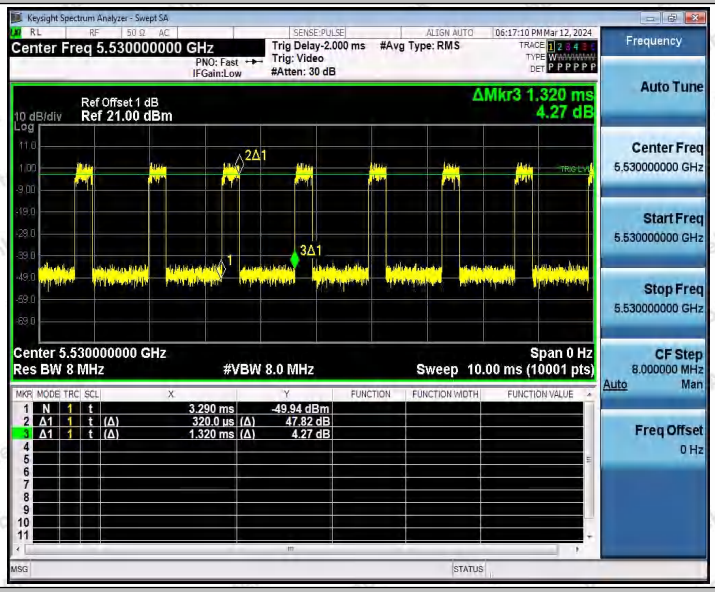
11AC40SISO_Ant1_5550



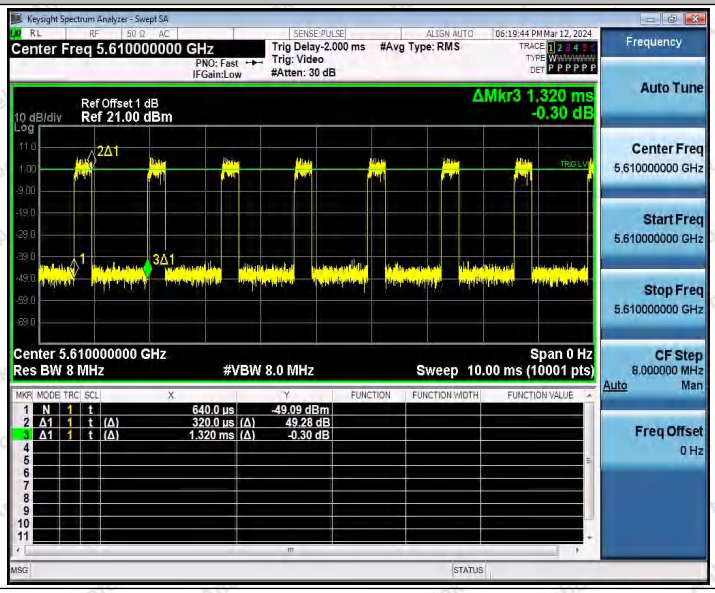
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix C: Maximum conducted output power

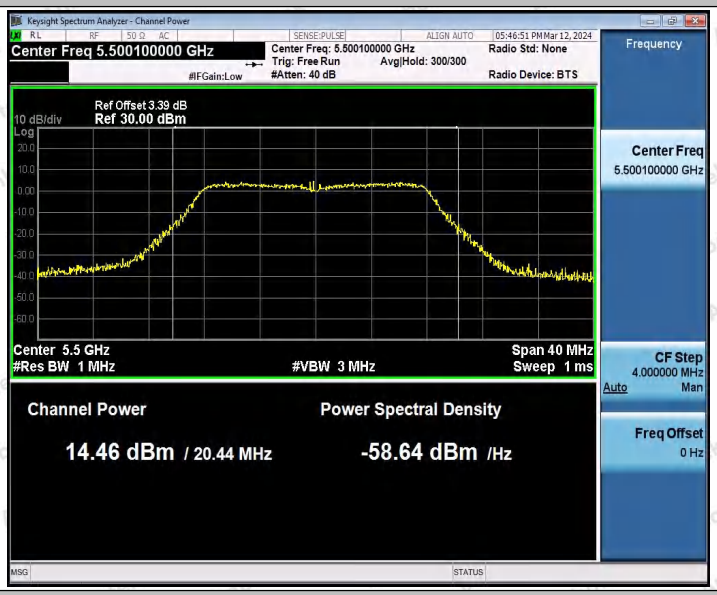
Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	---	12.07	57.63	2.39	14.46	≤23.98	PASS
		5580	---	14.30	57.38	2.41	16.71	≤23.98	PASS
		5700	---	16.56	57.63	2.39	18.95	≤23.98	PASS
11N20SISO	Ant1	5500	---	11.91	55.95	2.52	14.43	≤23.98	PASS
		5580	---	13.86	56.14	2.51	16.37	≤23.98	PASS
		5700	---	16.56	55.95	2.52	19.08	≤23.98	PASS
11N40SISO	Ant1	5510	---	12.09	38.41	4.16	16.25	≤23.98	PASS
		5550	---	12.81	38.41	4.16	16.97	≤23.98	PASS
		5670	---	14.95	38.65	4.13	19.08	≤23.98	PASS
11AC20 SISO	Ant1	5500	---	12.26	56.14	2.51	14.77	≤23.98	PASS
		5580	---	13.91	56.14	2.51	16.42	≤23.98	PASS
		5700	---	15.69	55.70	2.54	18.23	≤23.98	PASS
11AC40 SISO	Ant1	5510	---	11.30	39.02	4.09	15.39	≤23.98	PASS
		5550	---	13.37	39.02	4.09	17.46	≤23.98	PASS
		5670	---	15.39	39.02	4.09	**19.48**	≤23.98	PASS
11AC80 SISO	Ant1	5530	---	9.76	24.24	6.15	15.91	≤23.98	PASS
		5610	---	12.36	24.24	6.15	18.51	≤23.98	PASS

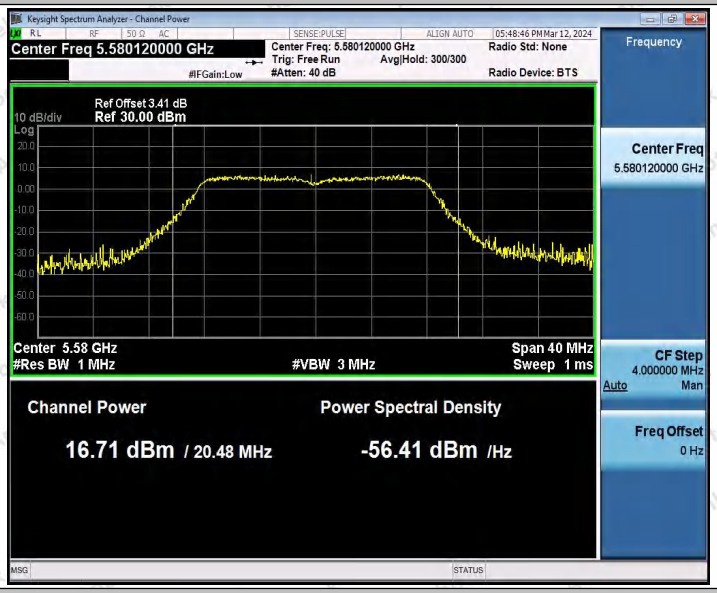
Note：The Duty Cycle Factor is compensated in the graph.

Test Graphs Channel Power

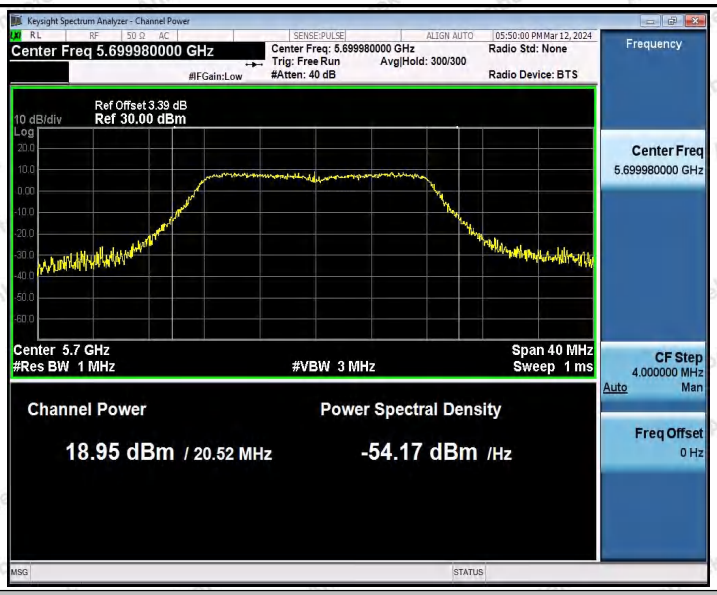
11A_Ant1_5500



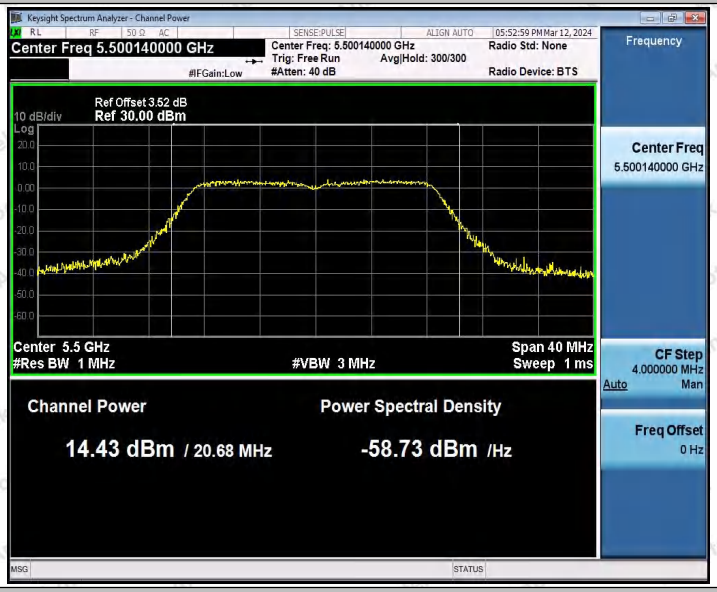
11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



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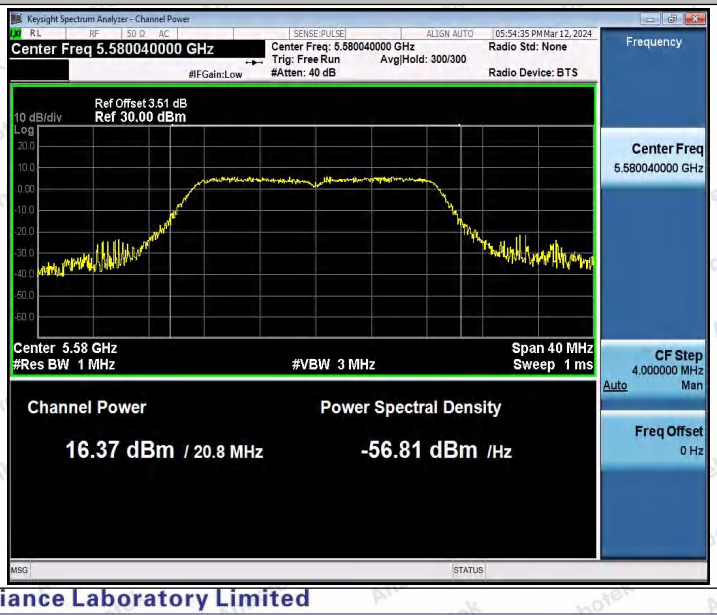

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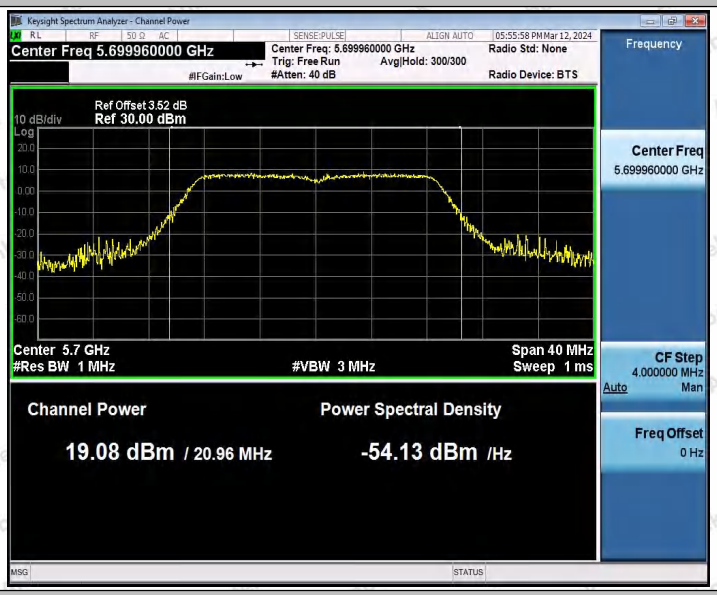
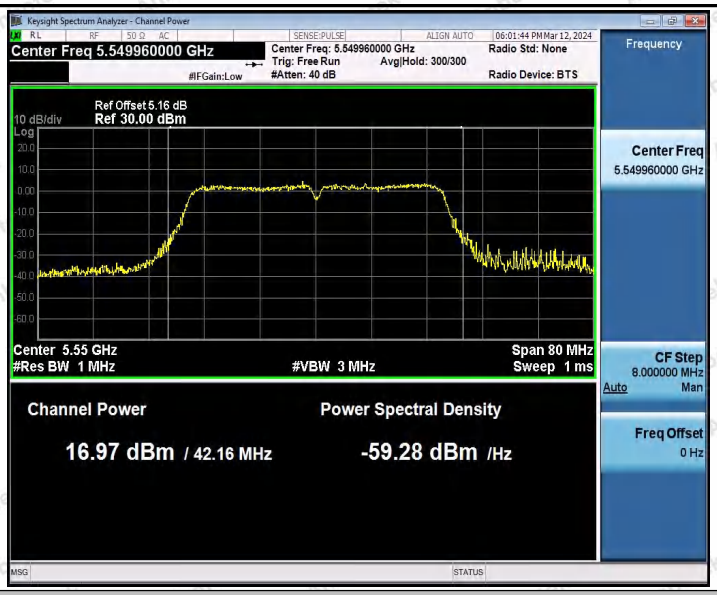
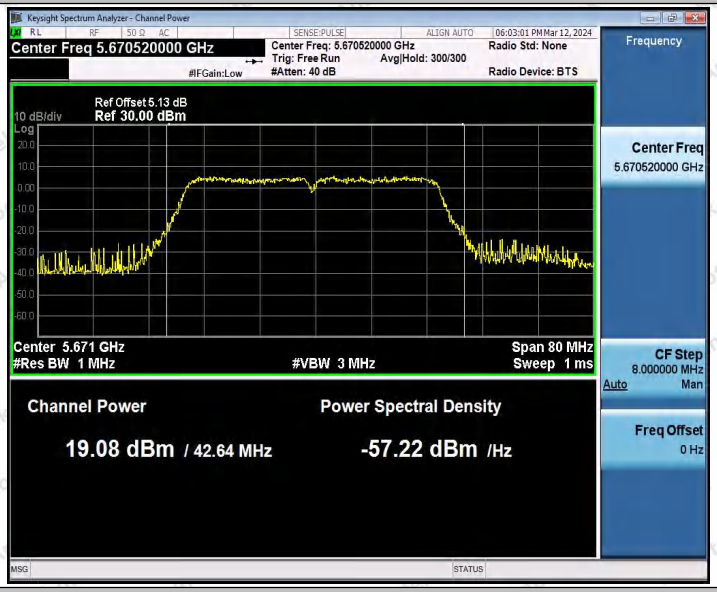


11N40SISO_Ant1_5510

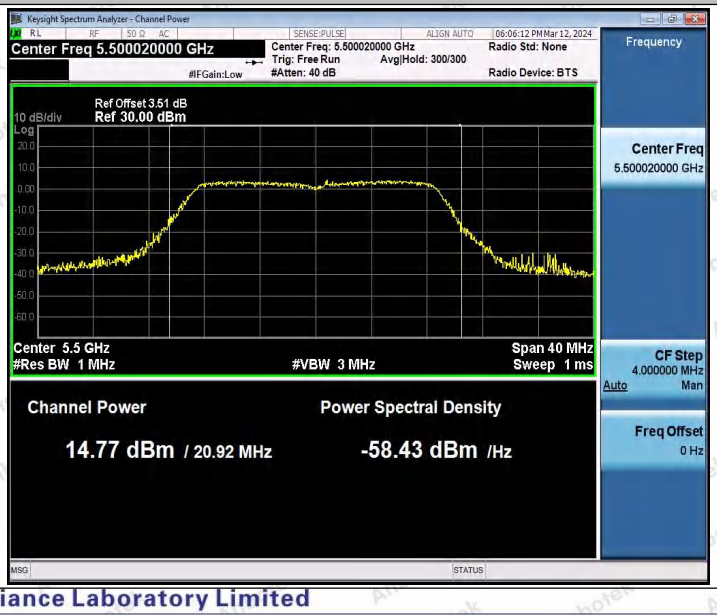
11N40SISO_Ant1_5550



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



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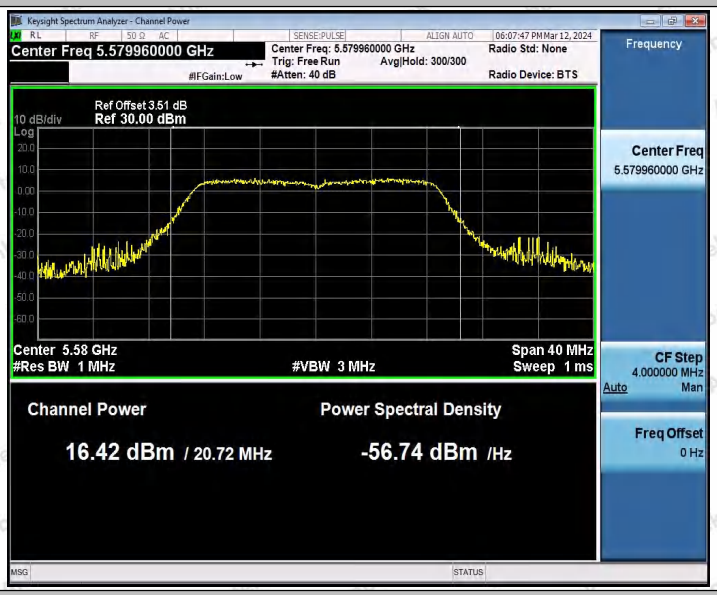
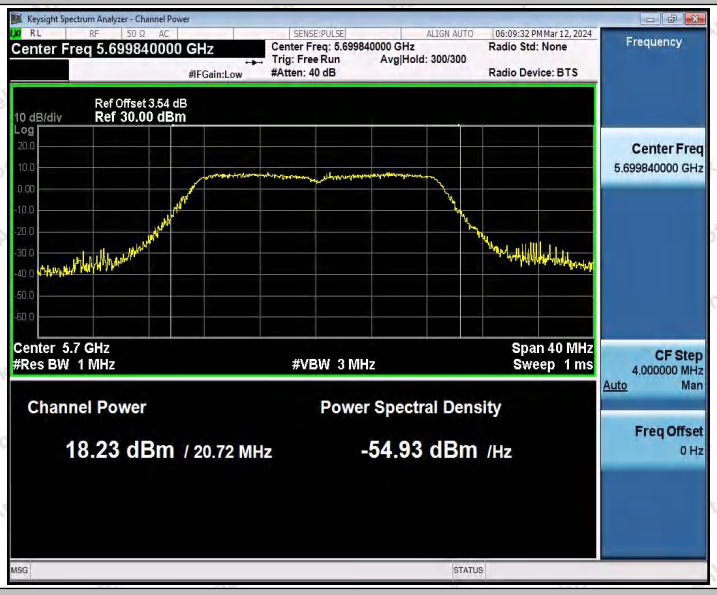
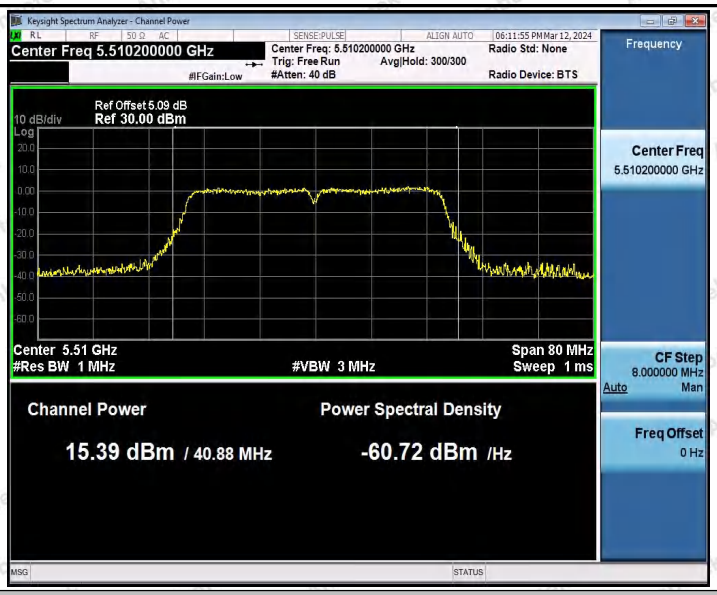


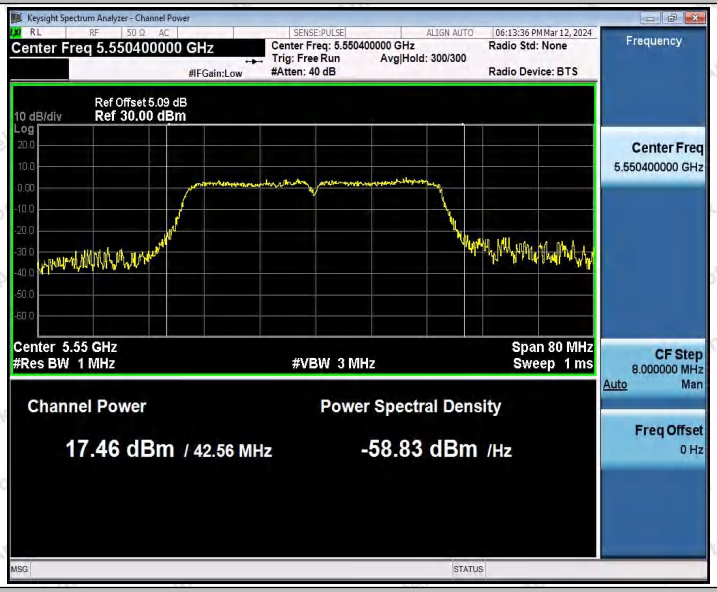
11AC20SISO_Ant1_5700



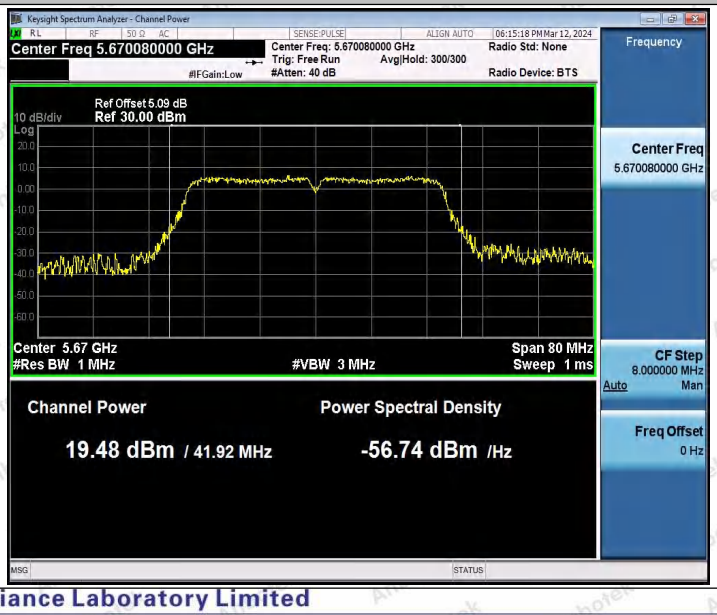
11AC40SISO_Ant1_5510



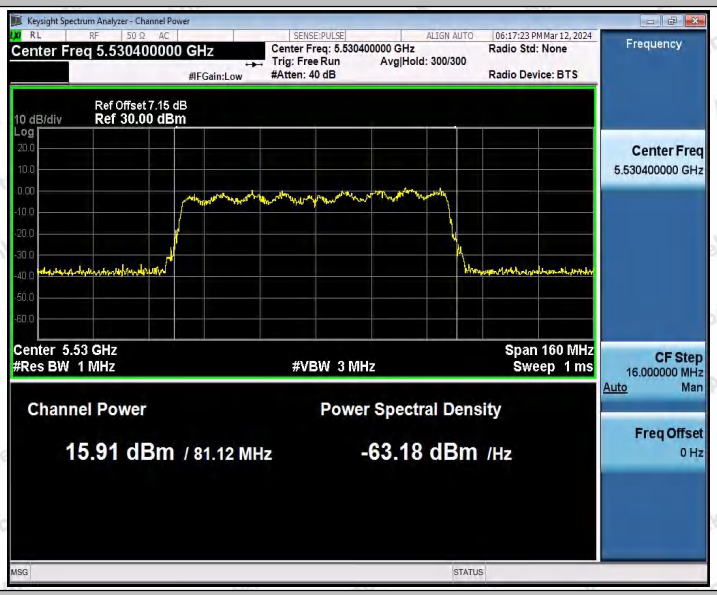
11AC40SISO_Ant1_5550



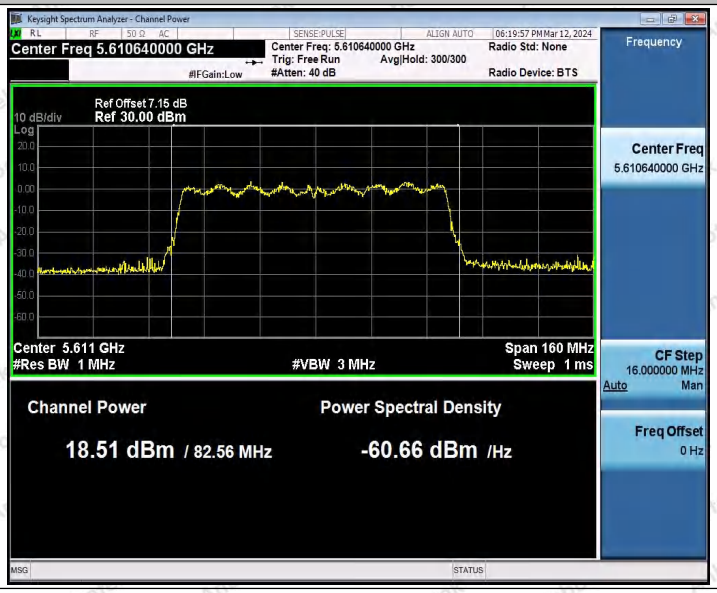
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix D: Maximum power spectral density

Test Result B3

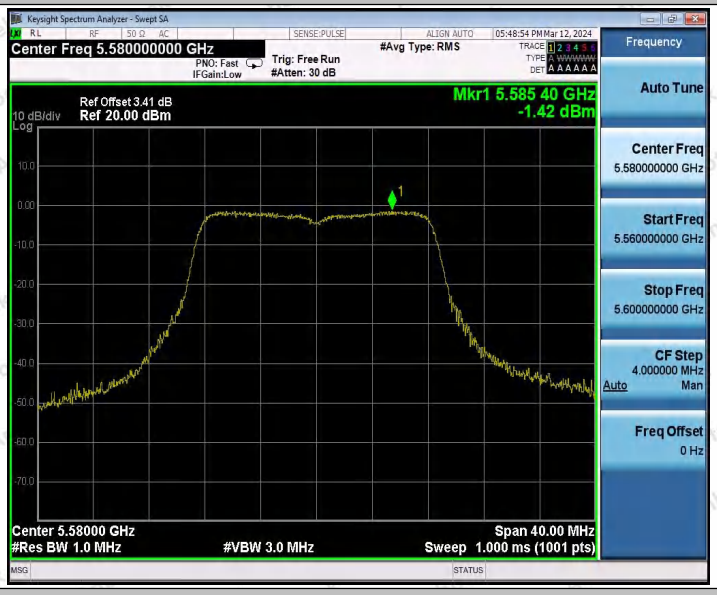
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-3.48	≤11.00	PASS
		5580	-1.42	≤11.00	PASS
		5700	1.43	≤11.00	PASS
11N20SISO	Ant1	5500	-3.43	≤11.00	PASS
		5580	-2.04	≤11.00	PASS
		5700	0.83	≤11.00	PASS
11N40SISO	Ant1	5510	-6.15	≤11.00	PASS
		5550	-4.56	≤11.00	PASS
		5670	-3.22	≤11.00	PASS
11AC20SISO	Ant1	5500	-3.60	≤11.00	PASS
		5580	-1.64	≤11.00	PASS
		5700	0.13	≤11.00	PASS
11AC40SISO	Ant1	5510	-6.50	≤11.00	PASS
		5550	-4.47	≤11.00	PASS
		5670	-3.97	≤11.00	PASS
11AC80SISO	Ant1	5530	-9.58	≤11.00	PASS
		5610	-7.15	≤11.00	PASS

Note：1.The Duty Cycle Factor and RBW Factor is compensated in the graph.

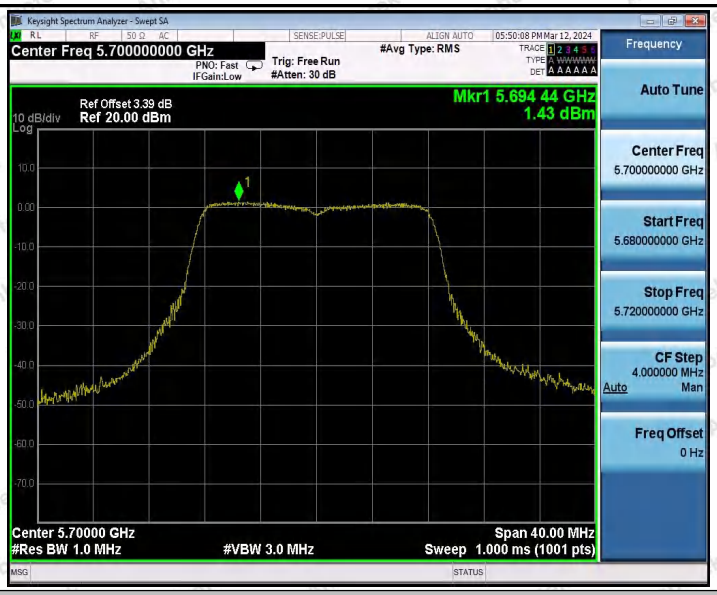
Test Graphs B3

11A_Ant1_5500

11A_Ant1_5580

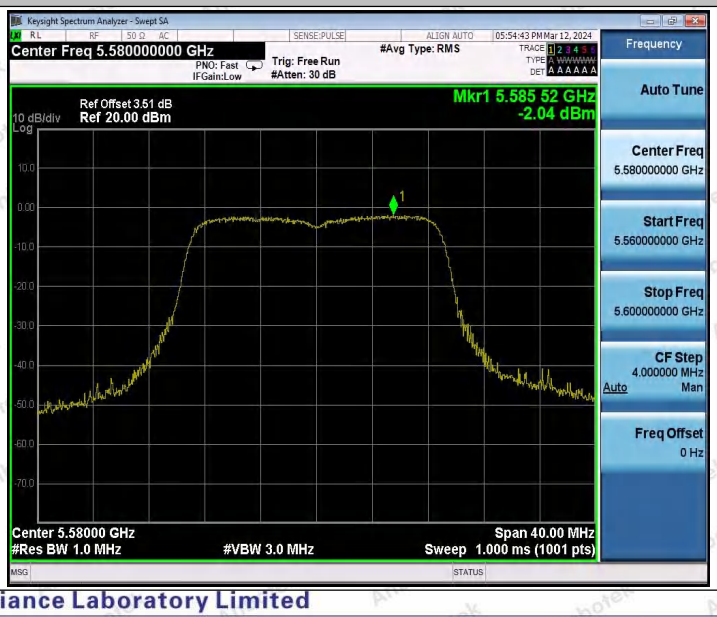


11A_Ant1_5700



11N20SISO_Ant1_5500

11N20SISO_Ant1_5580



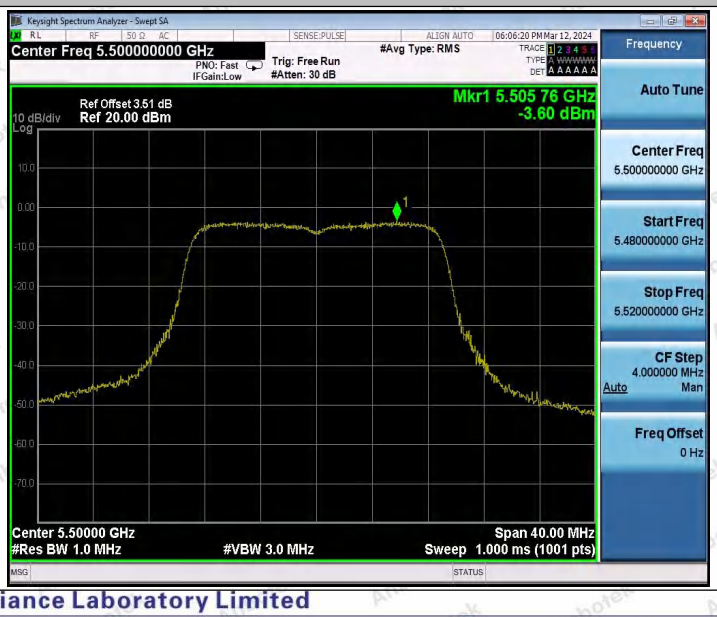
11N20SISO_Ant1_5700

11N40SISO_Ant1_5510

11N40SISO_Ant1_5550

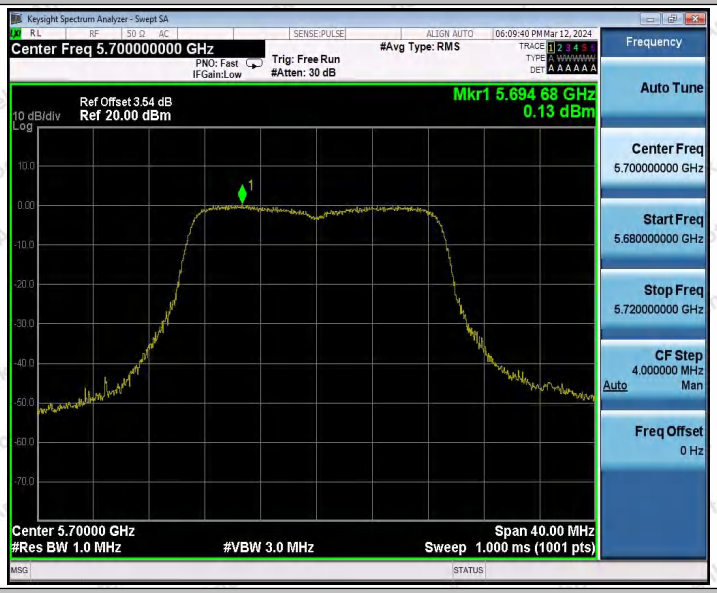
11N40SISO_Ant1_5670

11AC20SISO_Ant1_5500

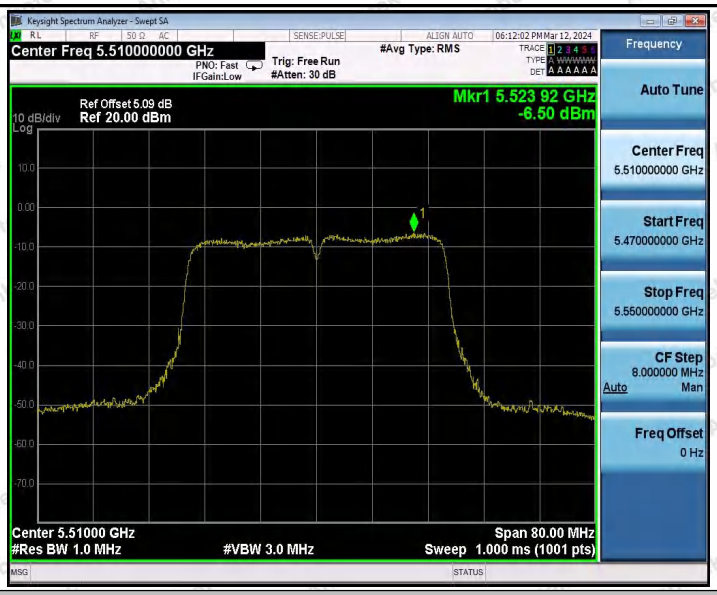


11AC20SISO_Ant1_5580

11AC20SISO_Ant1_5700

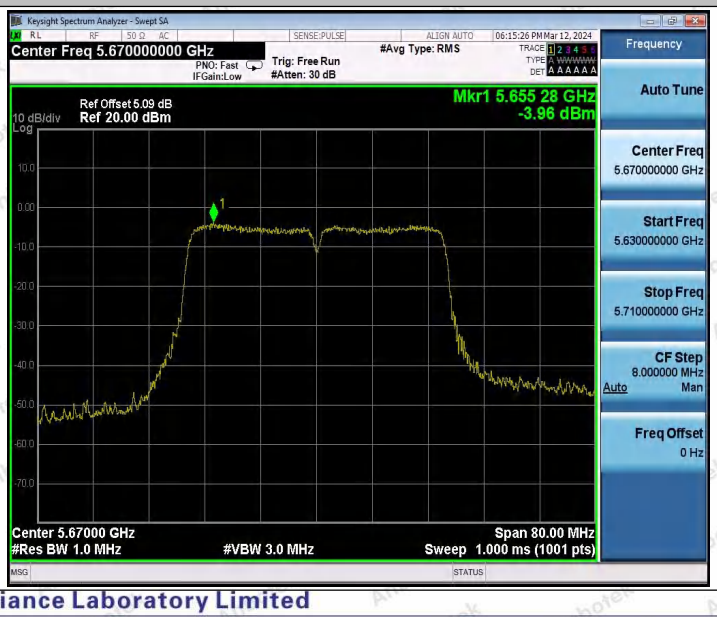


11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550

11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530

11AC80SISO_Ant1_5610

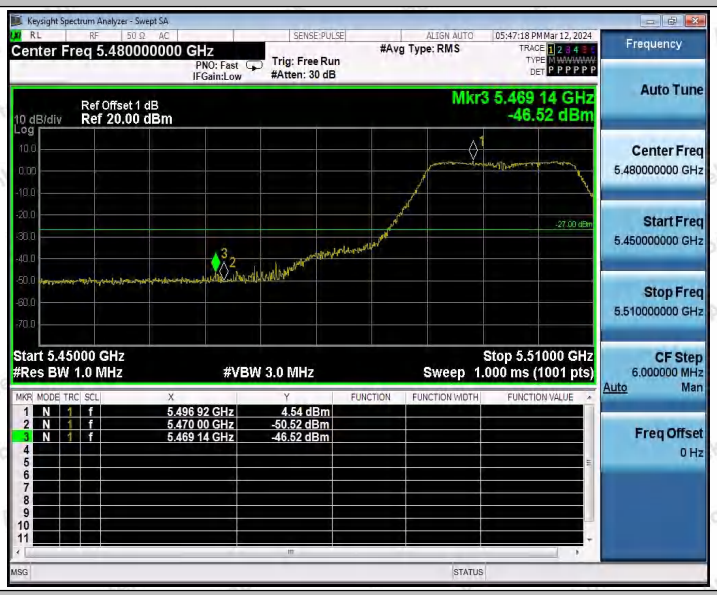
Appendix E: Band edge measurements

Test Result B3

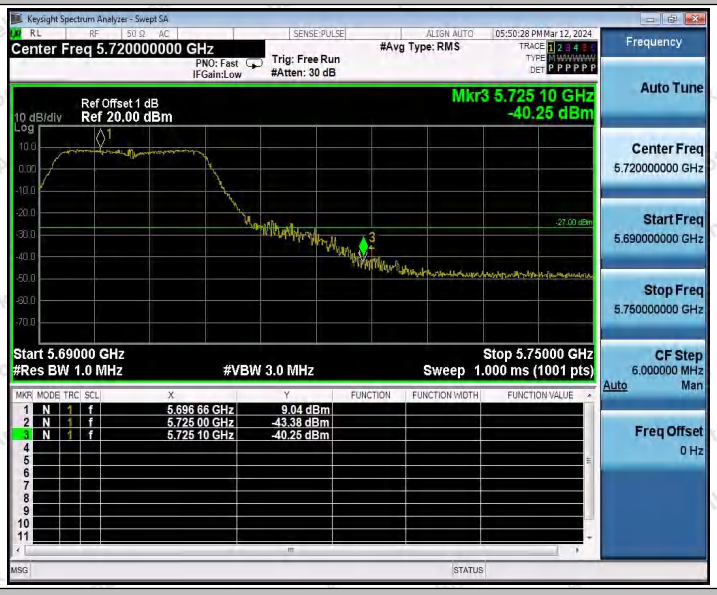
Test Mode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-46.52	≤-27	PASS
		High	5700	-40.25	≤-27	PASS
11N20SISO	Ant1	Low	5500	-41.51	≤-27	PASS
		High	5700	-36.08	≤-27	PASS
11N40SISO	Ant1	Low	5510	-34.40	≤-27	PASS
		High	5670	-45.09	≤-27	PASS
11AC20SISO	Ant1	Low	5500	-39.88	≤-27	PASS
		High	5700	-39.68	≤-27	PASS
11AC40SISO	Ant1	Low	5510	-40.69	≤-27	PASS
		High	5670	-44.34	≤-27	PASS
11AC80SISO	Ant1	Low	5530	-44.82	≤-27	PASS
		High	5610	-47.49	≤-27	PASS

Test Graphs B3

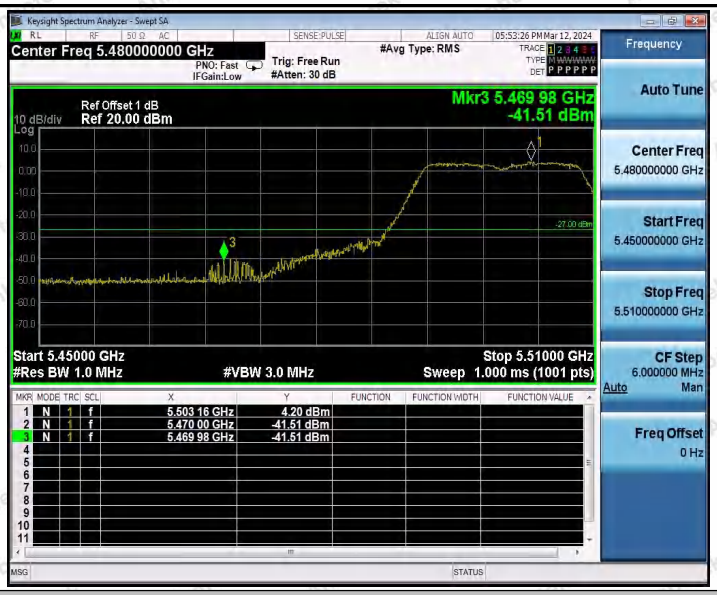
11A_Ant1_Low_5500



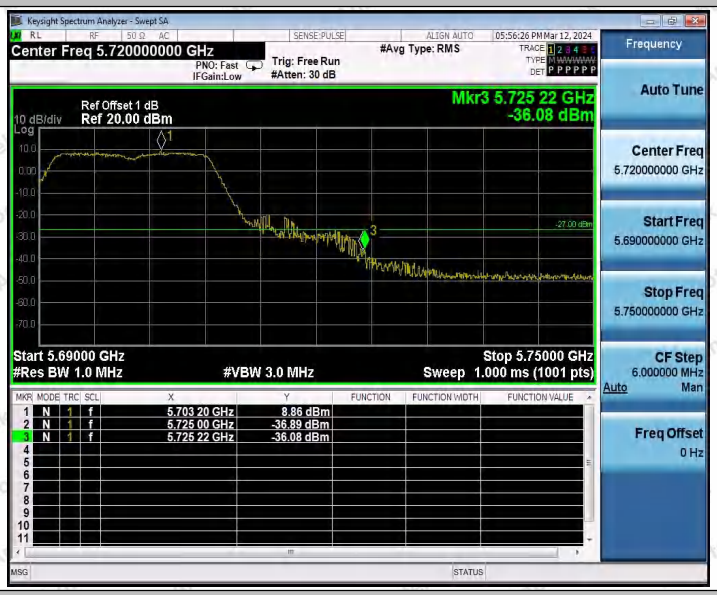
11A_Ant1_High_5700



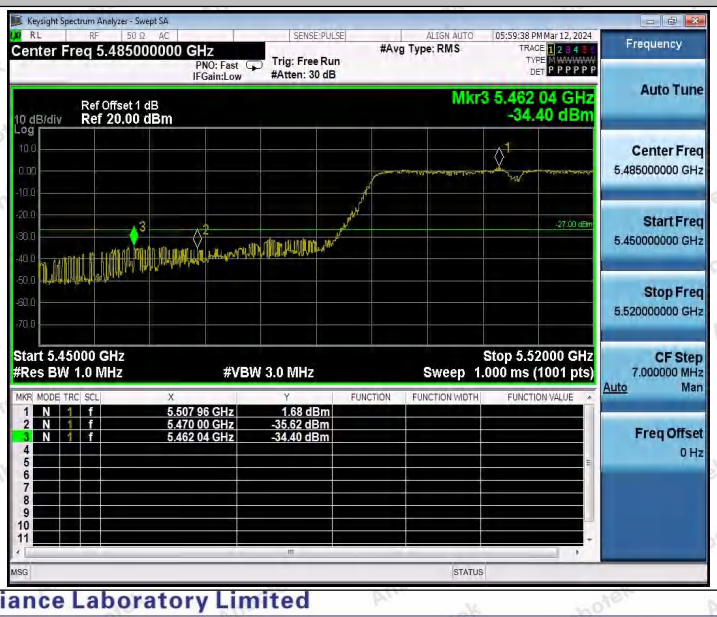
11N20SISO_Ant1_Low_5500



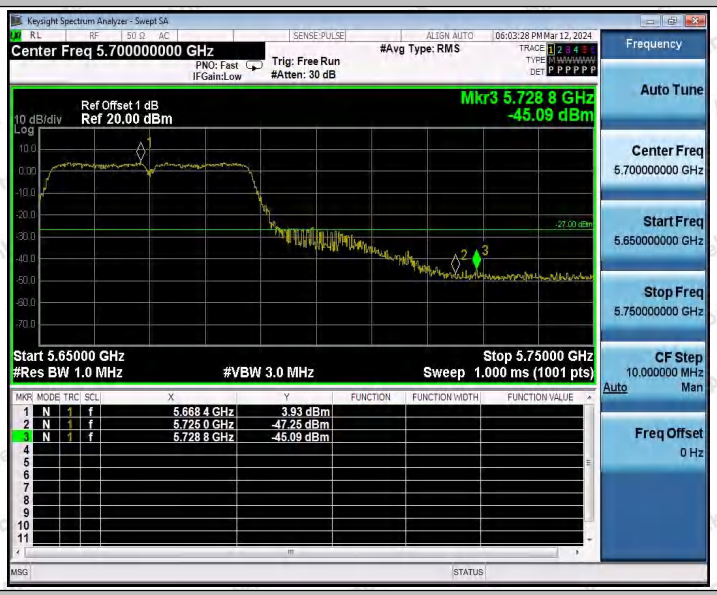
11N20SISO_Ant1_High_5700



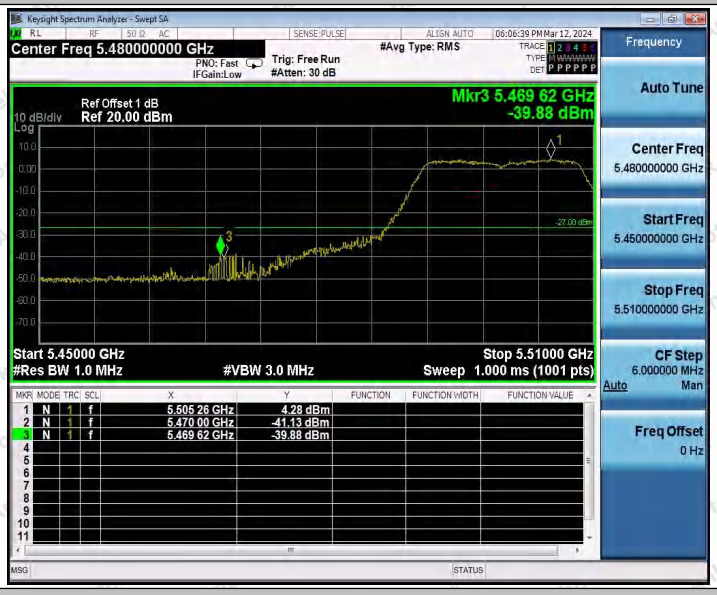
11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670

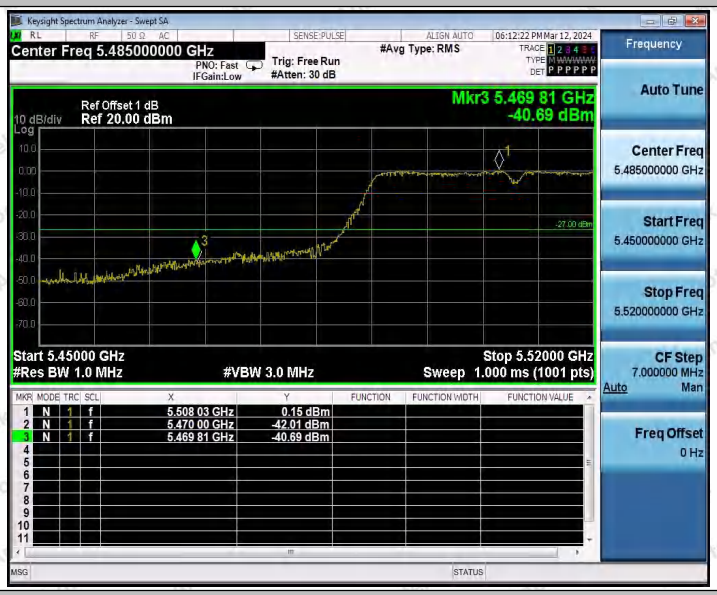


11AC20SISO_Ant1_Low_5500

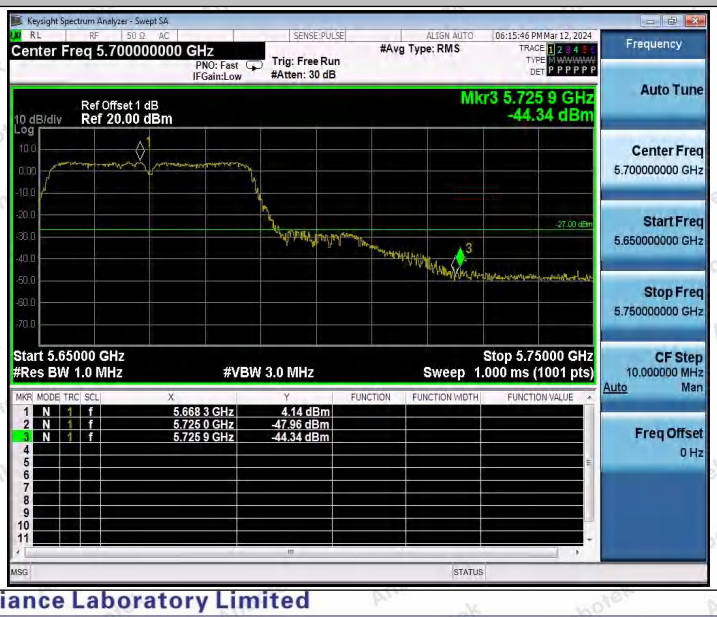


11AC20SISO_Ant1_High_5700

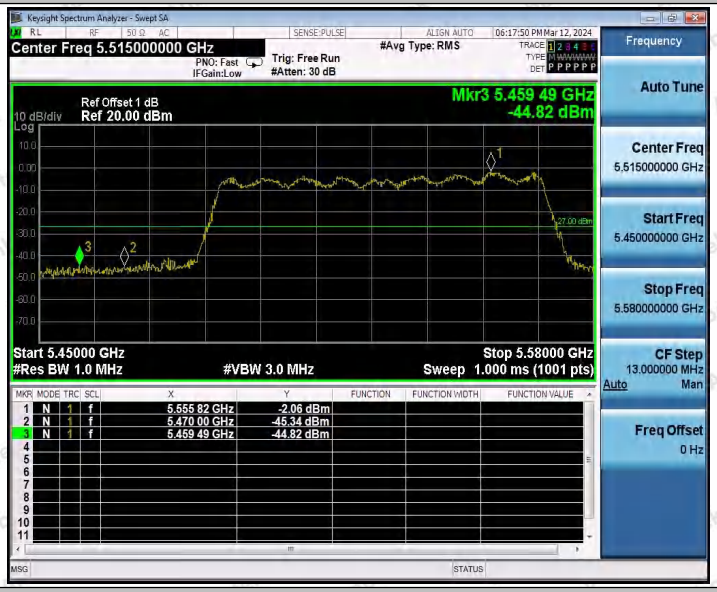
11AC40SISO_Ant1_Low_5510



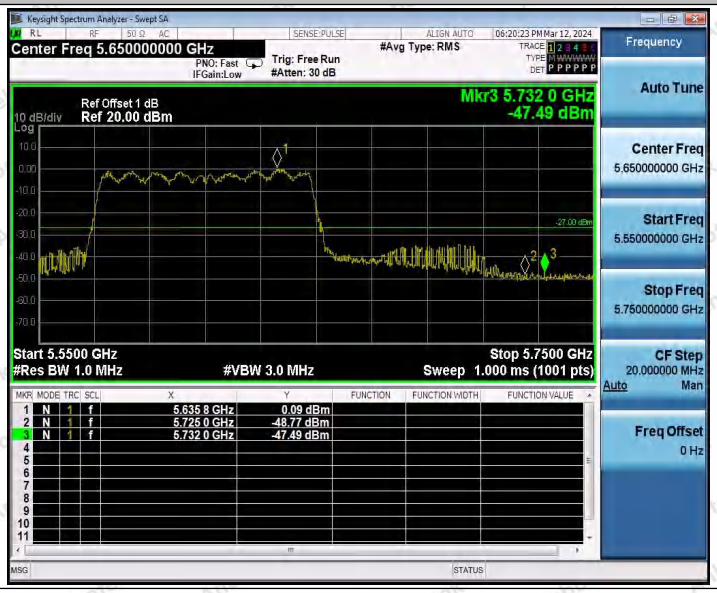
11AC40SISO_Ant1_High_5670



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610



Appendix F: DFS Detection Thresholds

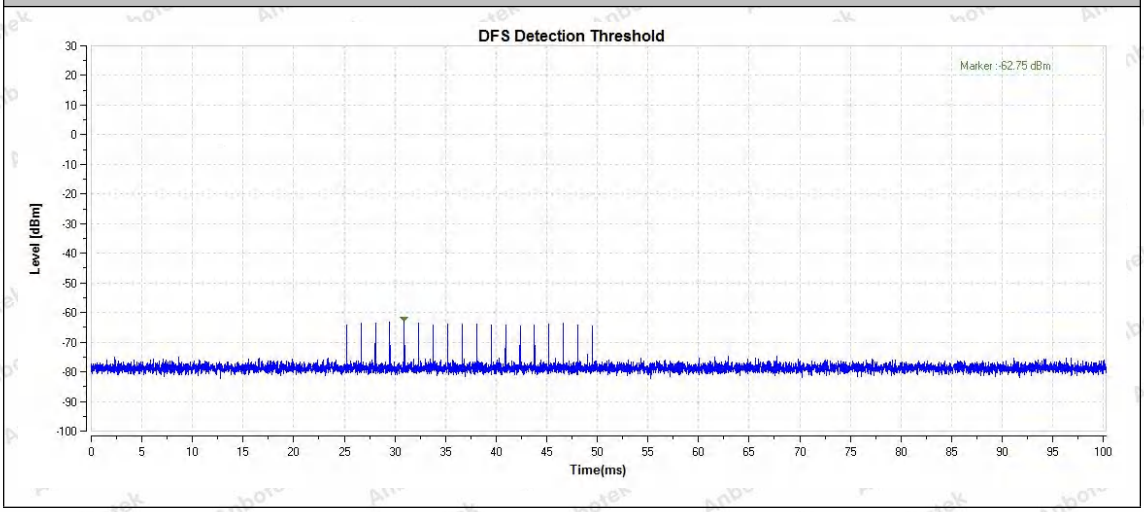
Test Result

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11AC80SISO	5530	Type0	-62.75	-62.00	PASS

Note：EIRP=Maximum conducted output power+Antenna Gain=19.48+2.6=22.08dBm(＜200mw).

Test Graphs

11AC80SISO_5530_Type0



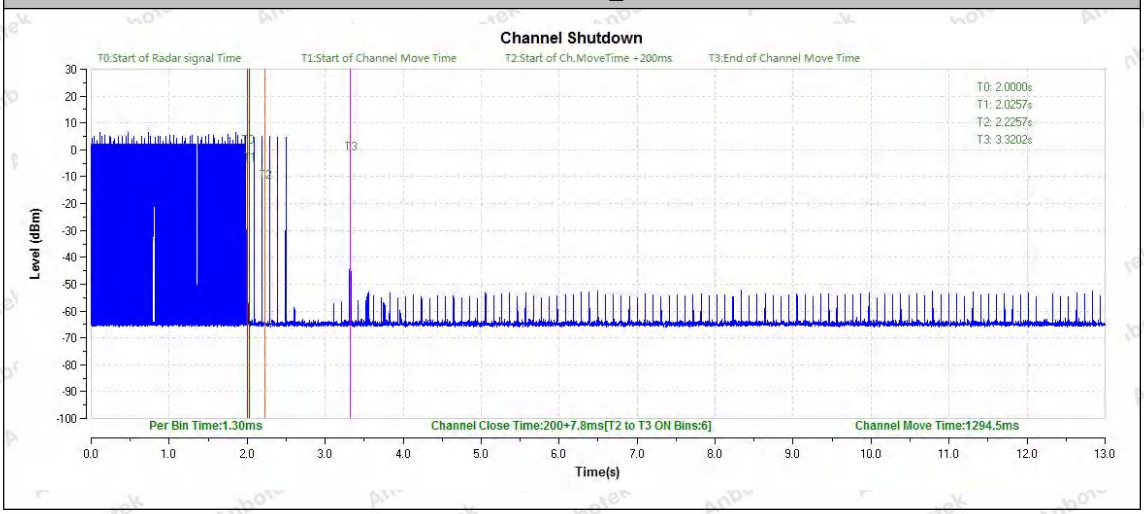
Appendix G: Channel Move Time and Channel Closing Transmission Time

Test Result

TestMode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5530	200+7.8	200+60	1294.5	10000	PASS

Test Graphs

11AC80SISO_5530



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