

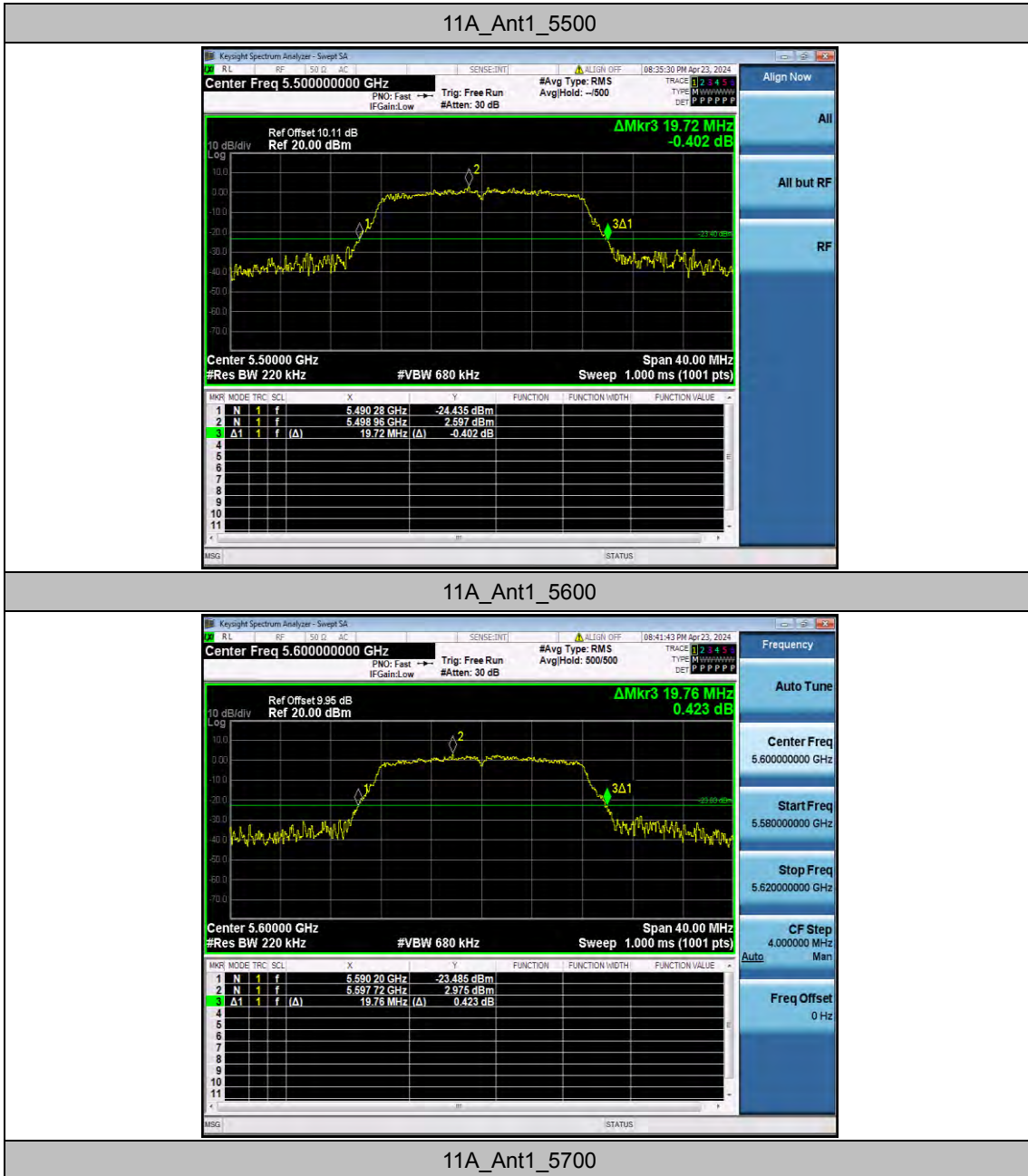
Case No. : <u>CTA24050902604</u>
Ambient Condition: <u>23 °C, 55 %RH</u>
According Standard: <u>■Part15E</u>
Test Date: <u>2024.4.18</u> Test Engineer: <u>Evan ouyang</u>

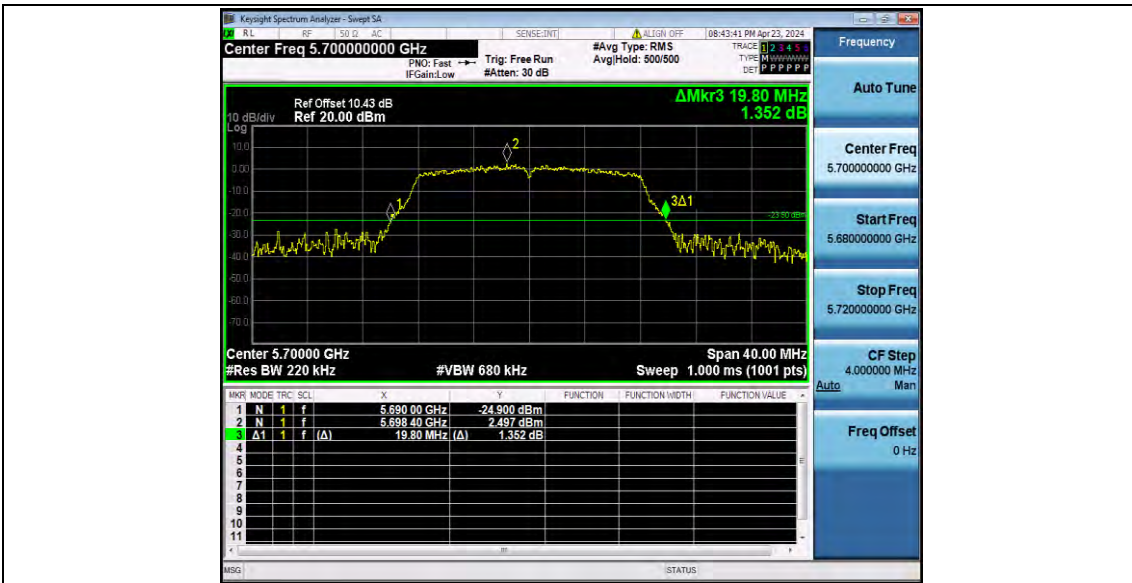
Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	19.720	5490.280	5510.000	---	---
		5600	19.760	5590.200	5609.960	---	---
		5700	19.800	5690.000	5709.800	---	---
11N20SISO	Ant1	5500	20.200	5489.920	5510.120	---	---
		5600	20.160	5589.960	5610.120	---	---
		5700	20.200	5689.920	5710.120	---	---
11N40SISO	Ant1	5510	52.720	5489.920	5542.640	---	---
		5590	40.640	5569.680	5610.320	---	---
		5670	40.640	5649.440	5690.080	---	---
11AC20SISO	Ant1	5500	20.320	5489.920	5510.240	---	---
		5600	20.320	5589.840	5610.160	---	---
		5700	20.280	5689.920	5710.200	---	---
11AC40SISO	Ant1	5510	40.720	5490.080	5530.800	---	---
		5590	40.320	5569.840	5610.160	---	---
		5670	40.160	5649.920	5690.080	---	---
11AC80SISO	Ant1	5530	80.960	5489.840	5570.800	---	---
		5610	80.480	5569.840	5650.320	---	---

Test Graphs

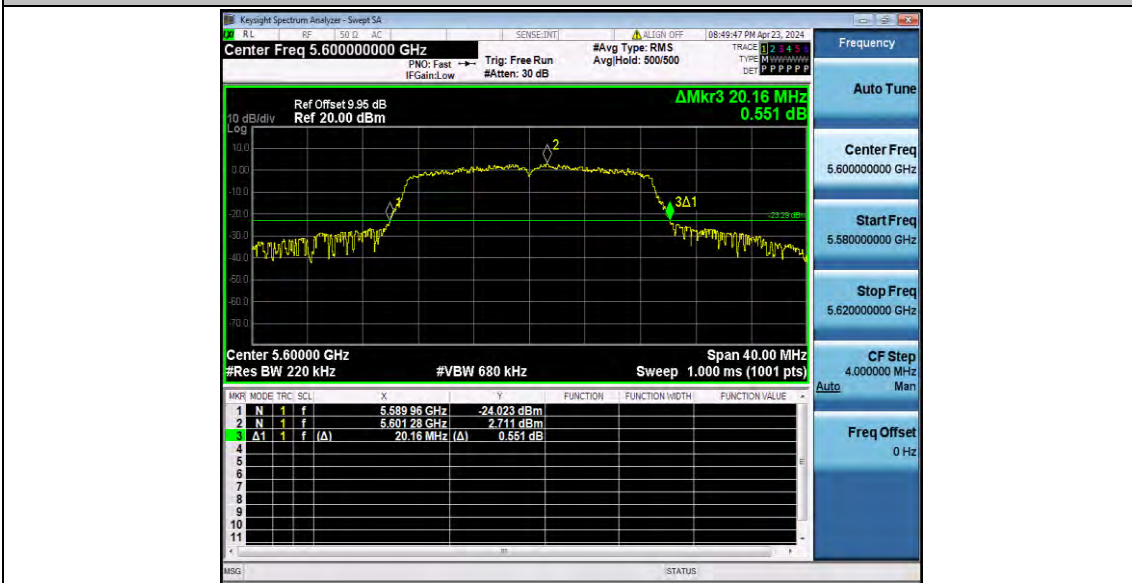




11N20SISO_Ant1_5500



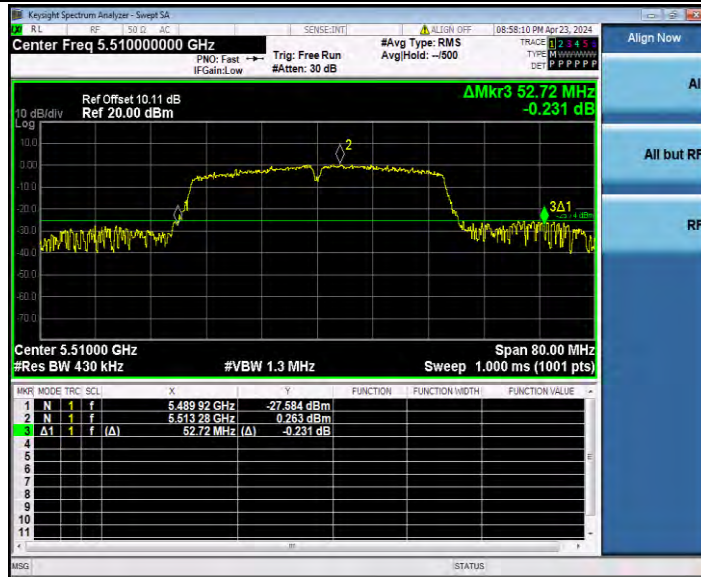
11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



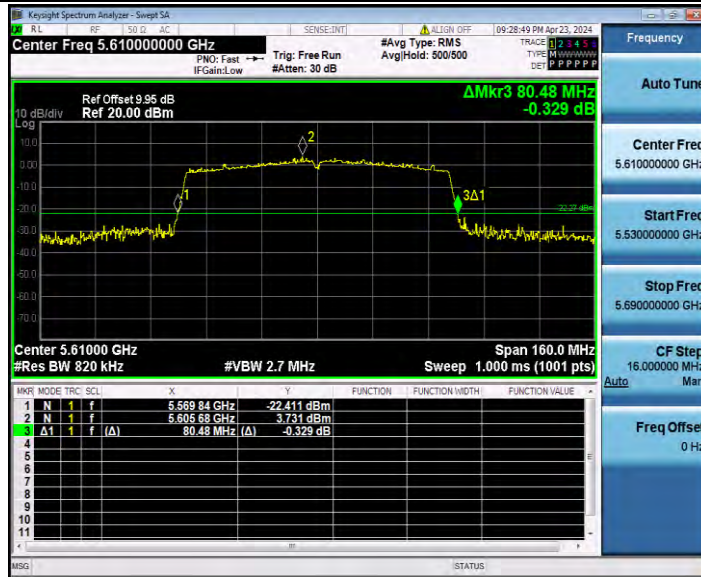
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

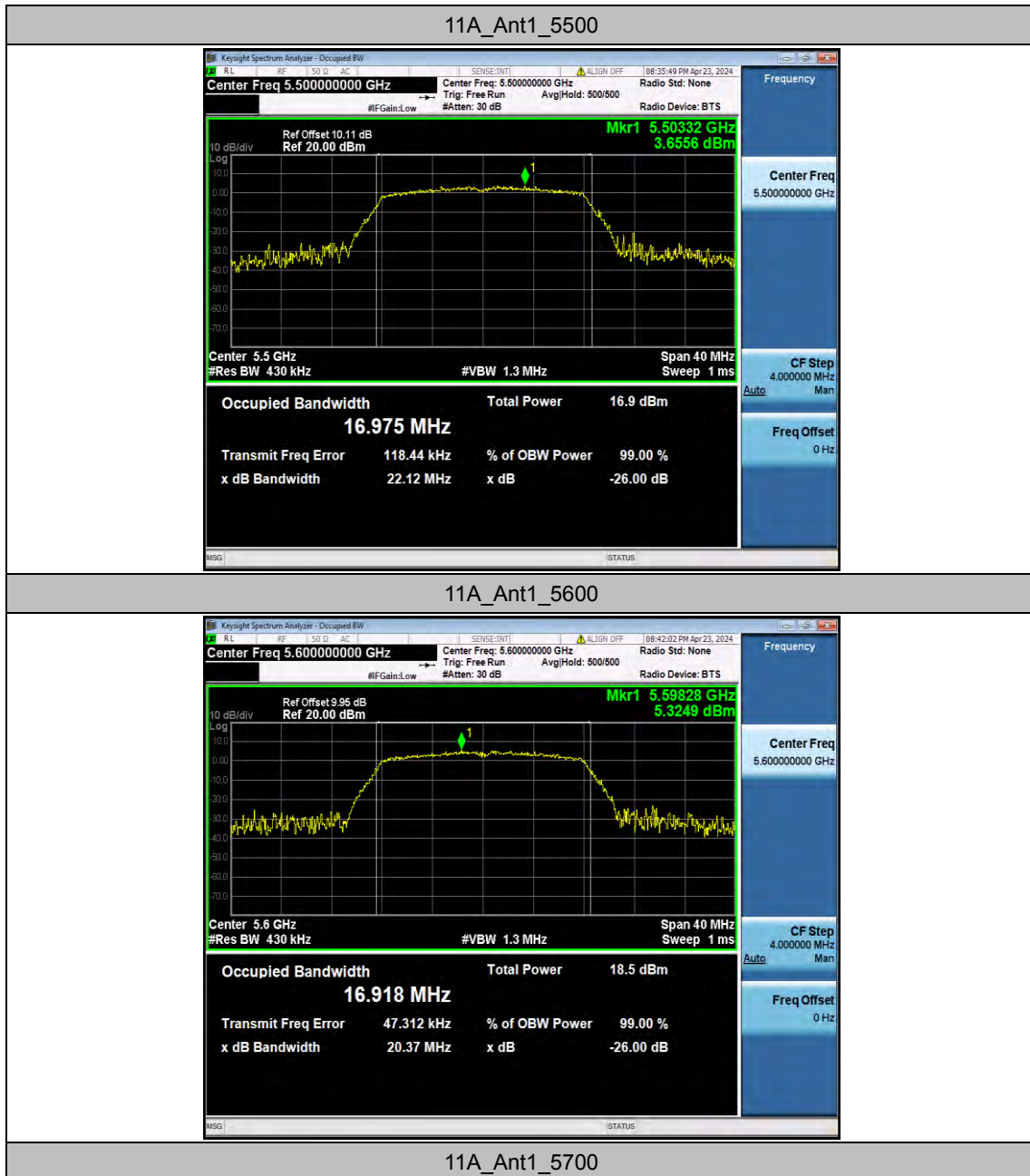


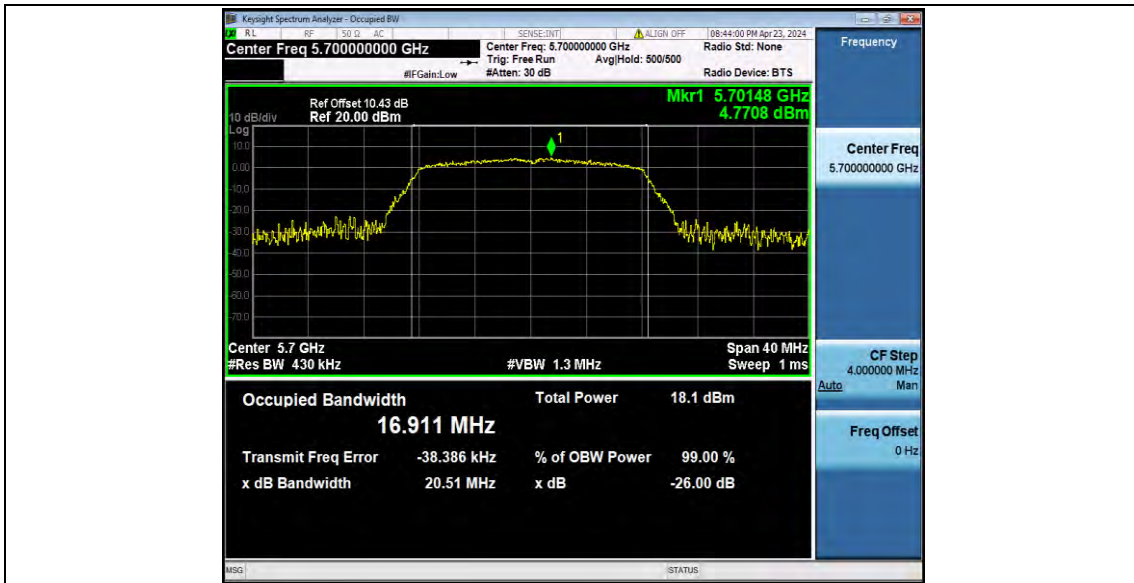
Appendix F.2: Occupied channel bandwidth

Test Result

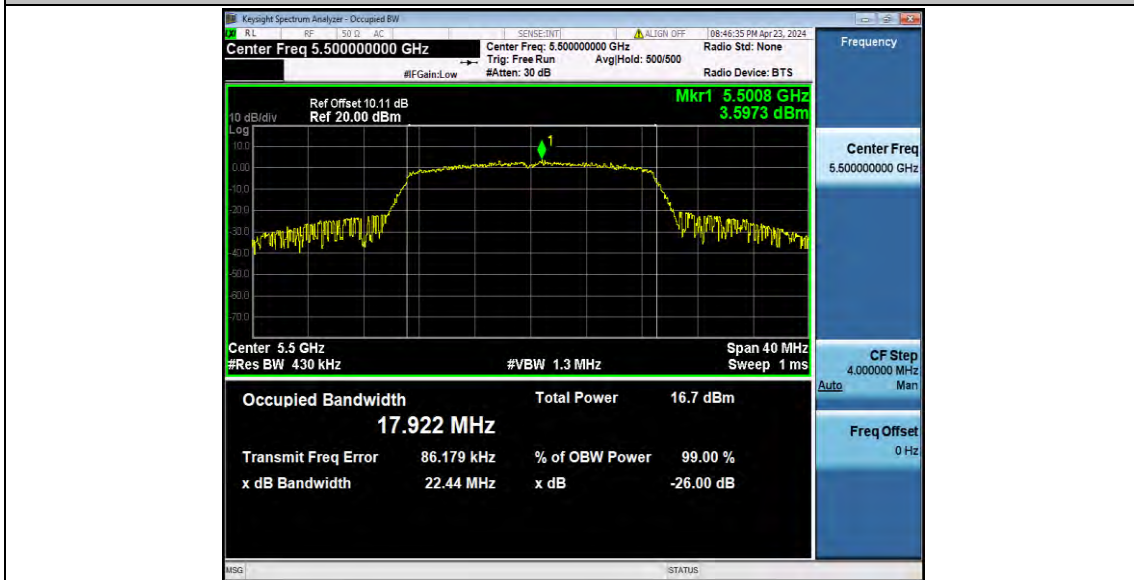
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	16.975	5491.6309	5508.6059	---	---
		5600	16.918	5591.5883	5608.5063	---	---
		5700	16.911	5691.5061	5708.4171	---	---
11N20SISO	Ant1	5500	17.922	5491.1252	5509.0472	---	---
		5600	17.915	5591.0715	5608.9865	---	---
		5700	17.955	5690.9682	5708.9232	---	---
11N40SISO	Ant1	5510	36.589	5491.9487	5528.5377	---	---
		5590	36.548	5571.8294	5608.3774	---	---
		5670	36.516	5651.6514	5688.1674	---	---
11AC20SISO	Ant1	5500	17.912	5491.0926	5509.0046	---	---
		5600	17.881	5591.0769	5608.9579	---	---
		5700	17.933	5690.9990	5708.9320	---	---
11AC40SISO	Ant1	5510	36.481	5491.9448	5528.4258	---	---
		5590	36.367	5571.9369	5608.3039	---	---
		5670	36.307	5651.7438	5688.0508	---	---
11AC80SISO	Ant1	5530	75.046	5492.8256	5567.8716	---	---
		5610	75.149	5572.5329	5647.6819	---	---

Test Graphs

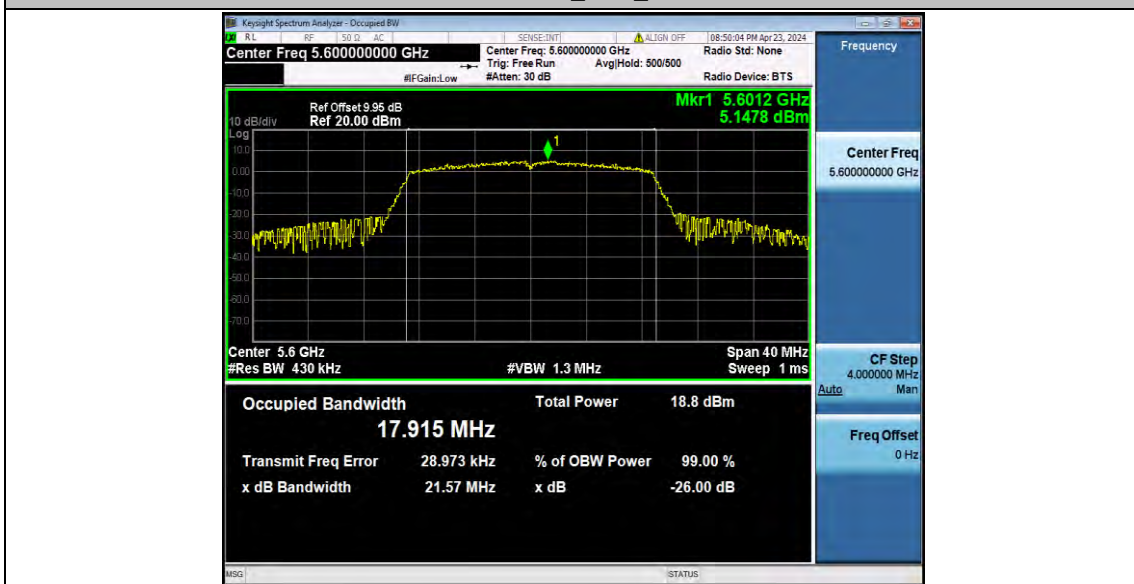




11N20SISO_Ant1_5500



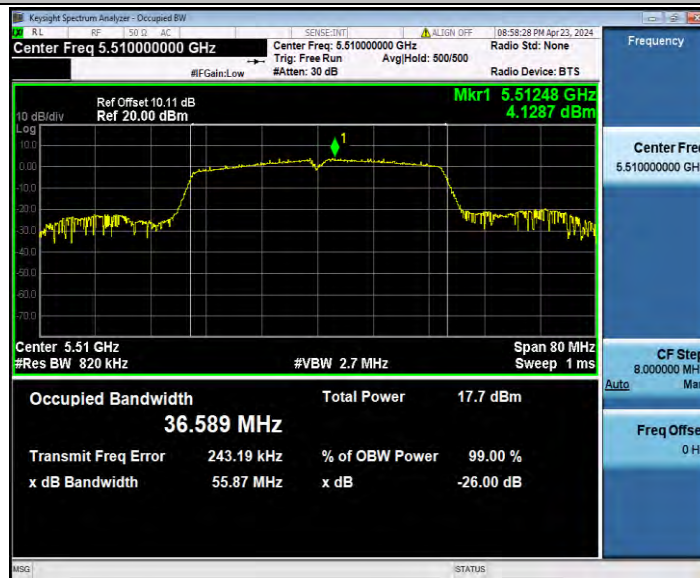
11N20SISO_Ant1_5600



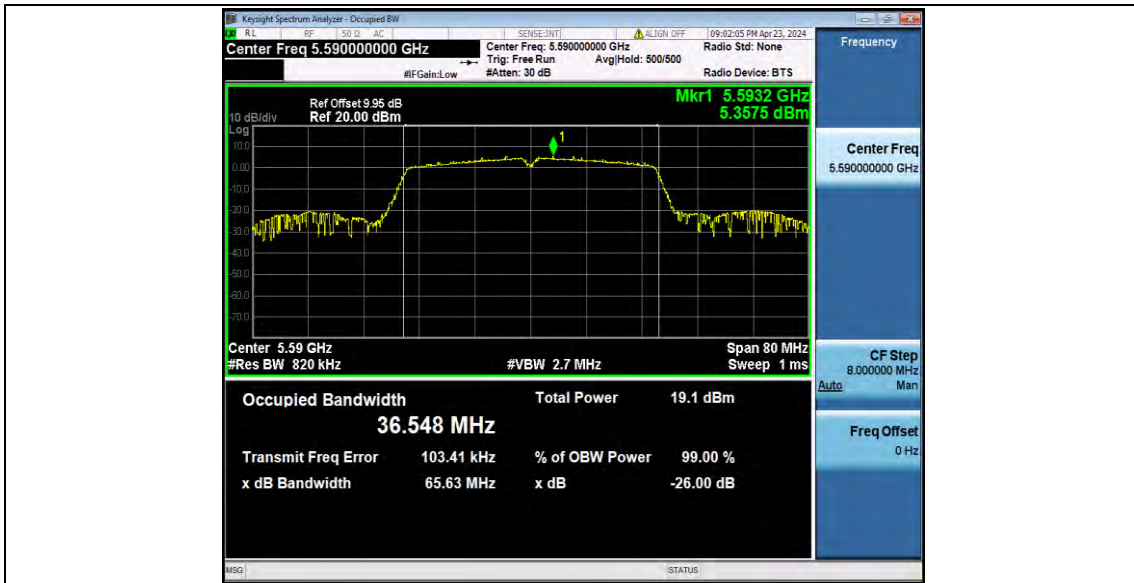
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



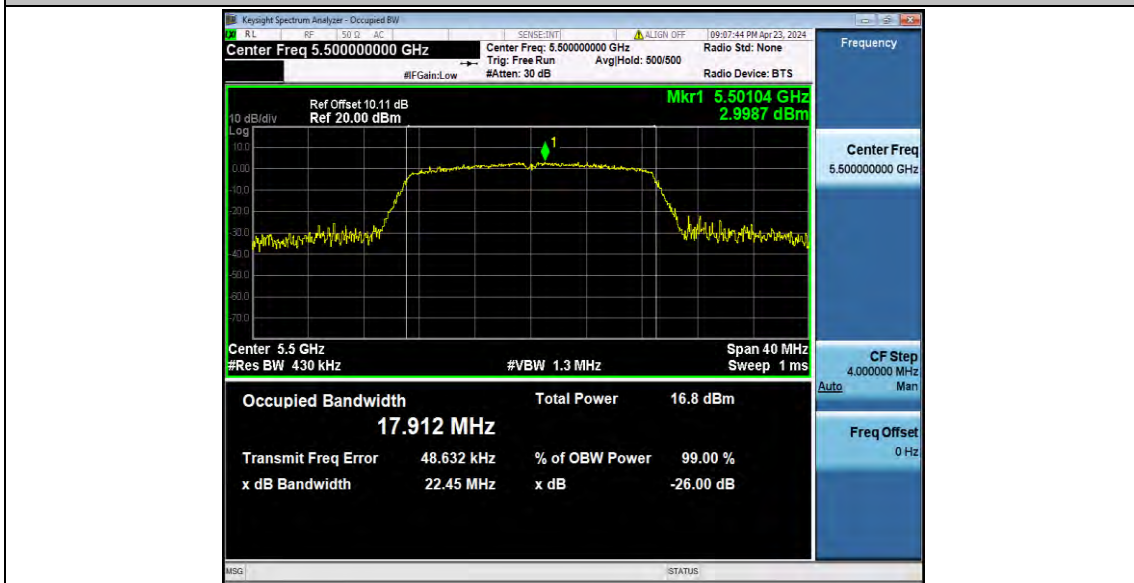
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



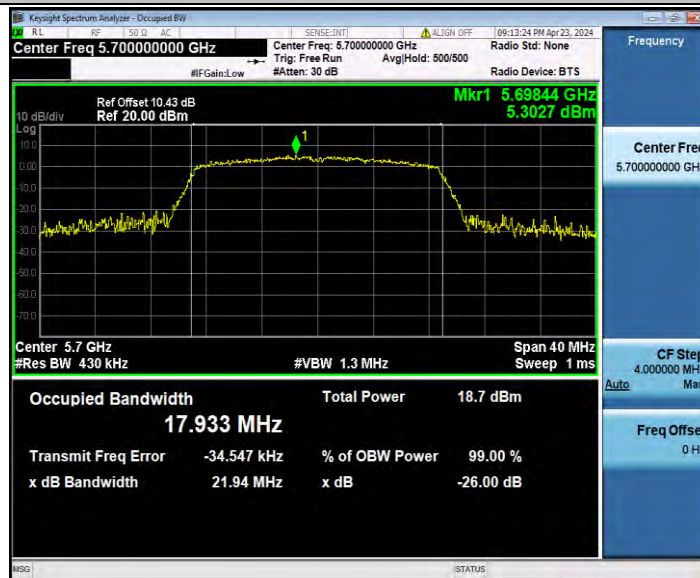
11AC20SISO_Ant1_5500



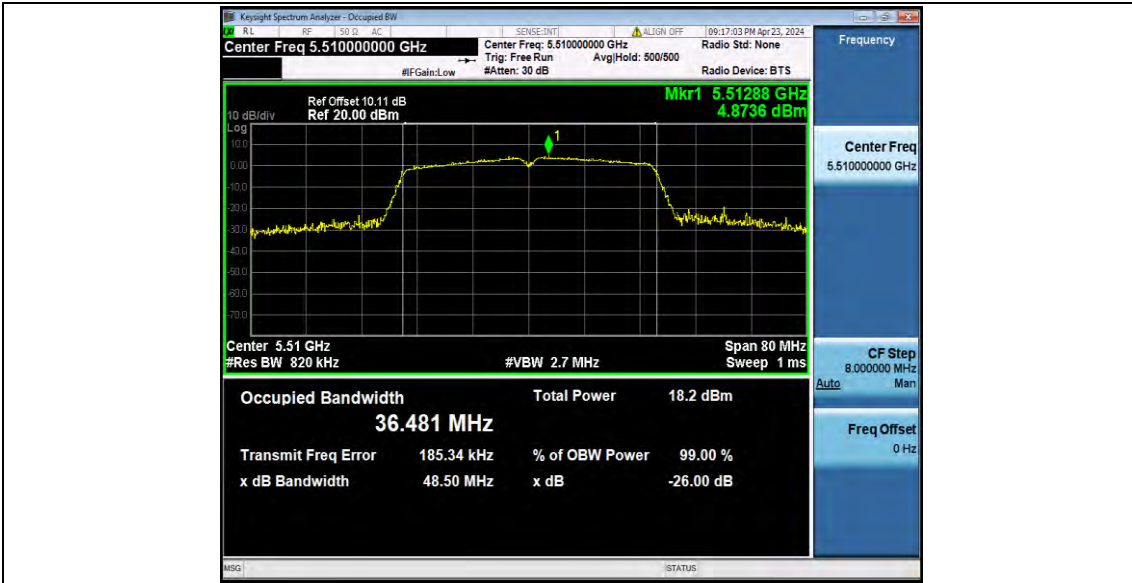
11AC20SISO_Ant1_5600



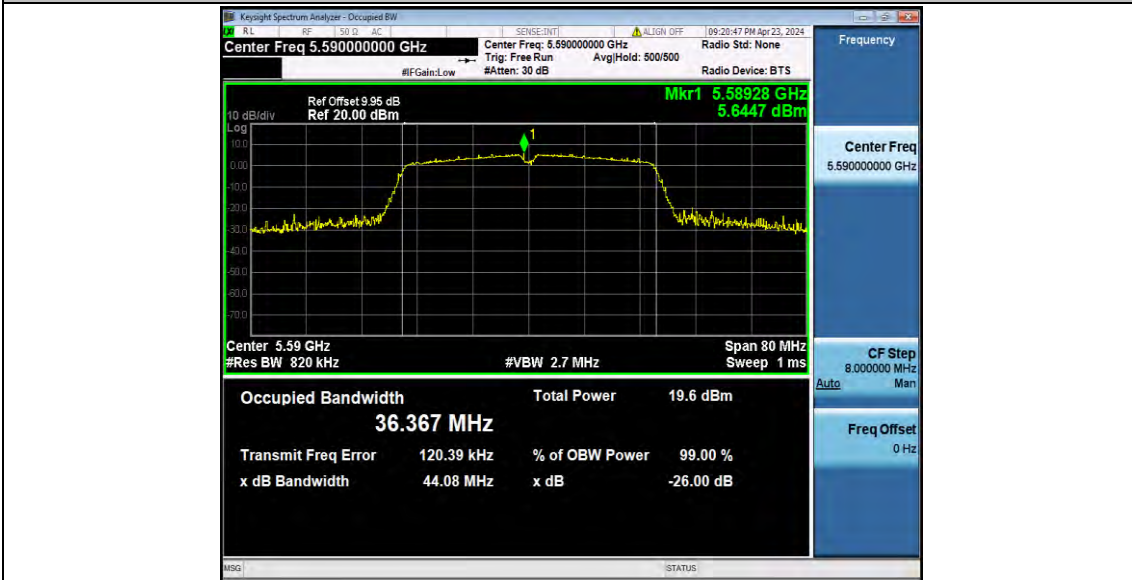
11AC20SISO_Ant1_5700



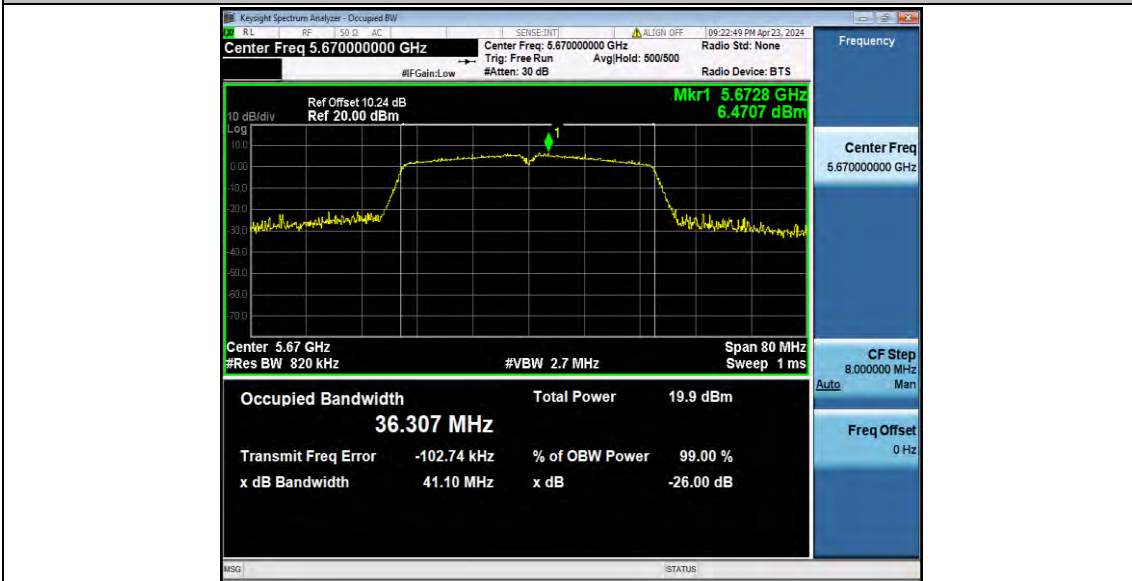
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

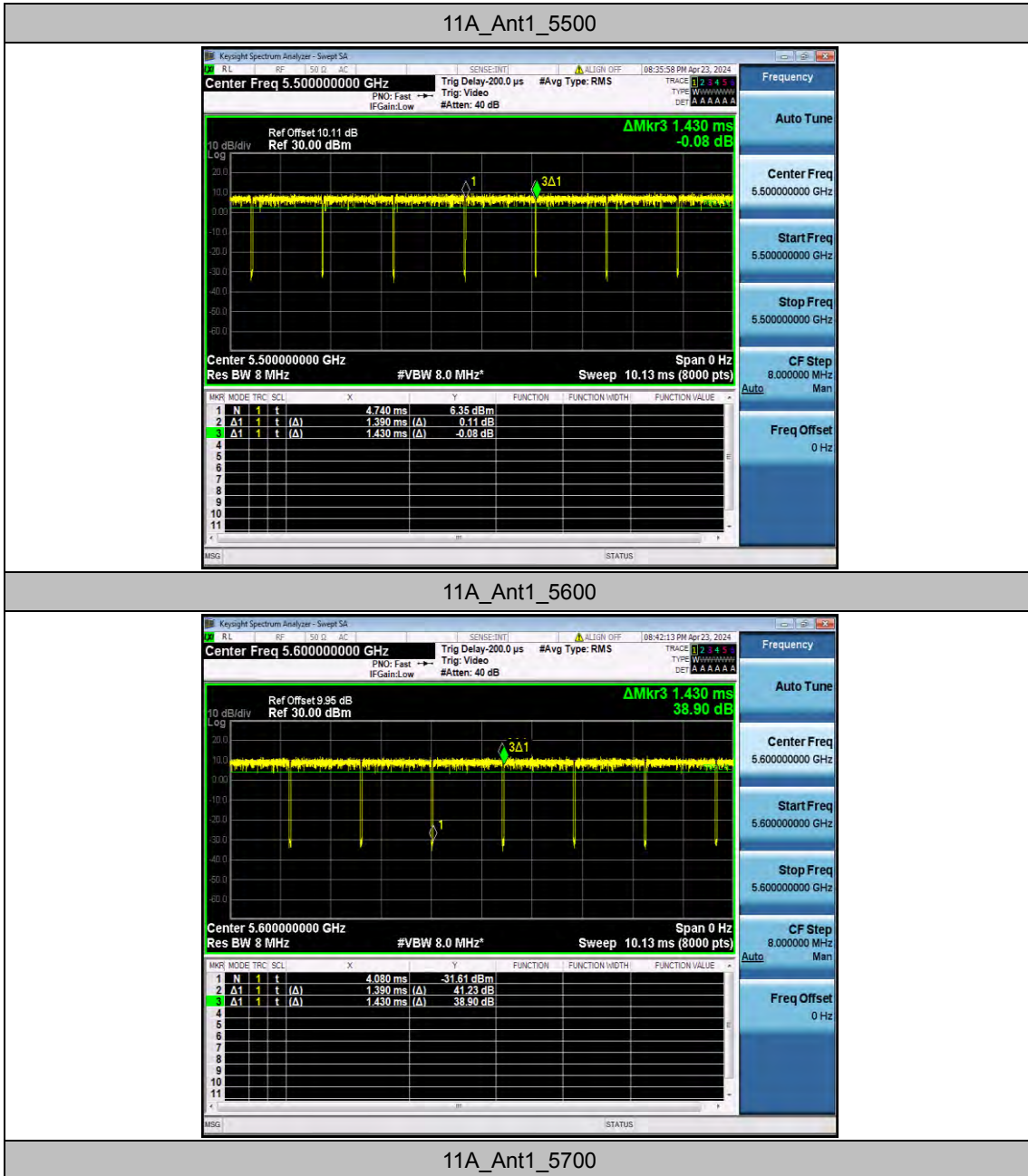


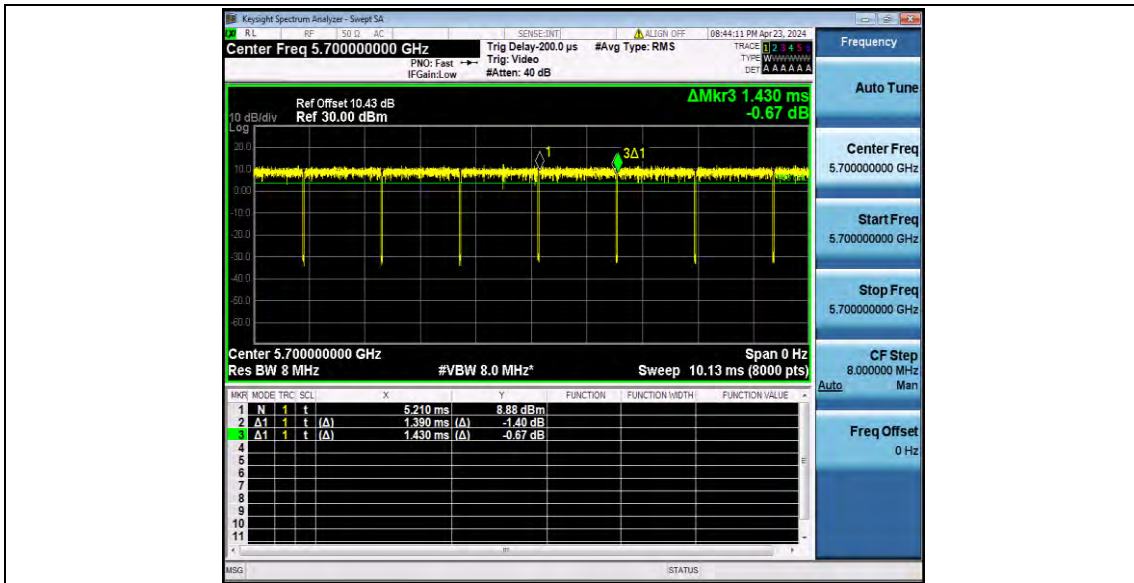
Appendix F.3: Duty Cycle

Test Result

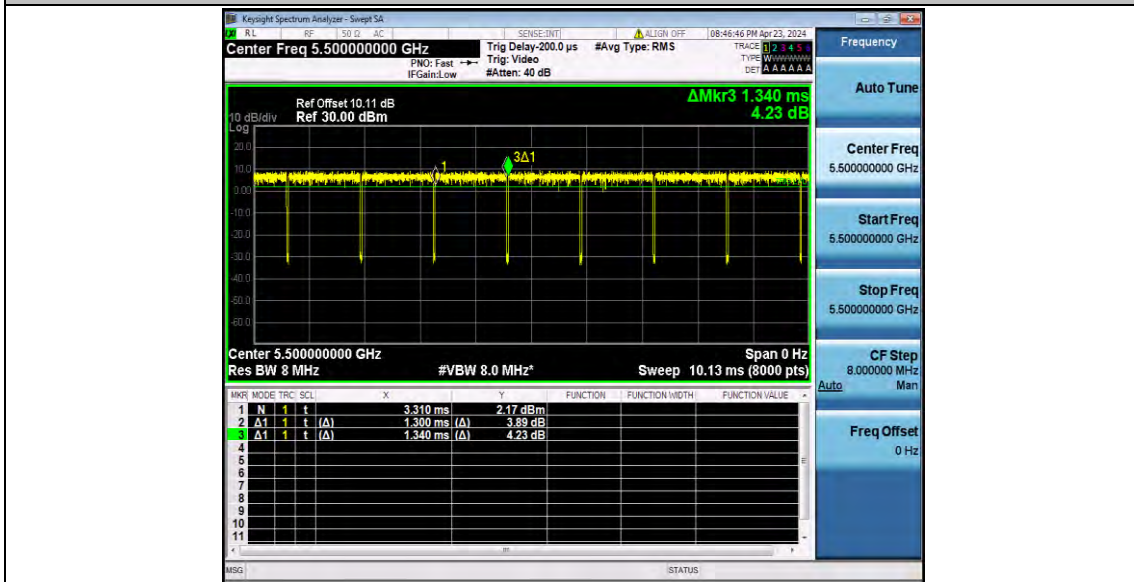
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	1.39	1.43	97.20	0.12	0.72
		5600	1.39	1.43	97.20	0.12	0.72
		5700	1.39	1.43	97.20	0.12	0.72
11N20SISO	Ant1	5500	1.30	1.34	97.01	0.13	0.77
		5600	1.30	1.34	97.01	0.13	0.77
		5700	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5510	0.64	0.68	94.12	0.26	1.56
		5590	0.64	0.68	94.12	0.26	1.56
		5670	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5500	1.31	1.35	97.04	0.13	0.76
		5600	1.31	1.35	97.04	0.13	0.76
		5700	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant1	5510	0.65	0.69	94.20	0.26	1.54
		5590	0.65	0.69	94.20	0.26	1.54
		5670	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant1	5530	0.32	0.36	88.89	0.51	3.13
		5610	0.32	0.36	88.89	0.51	3.13

Test Graphs

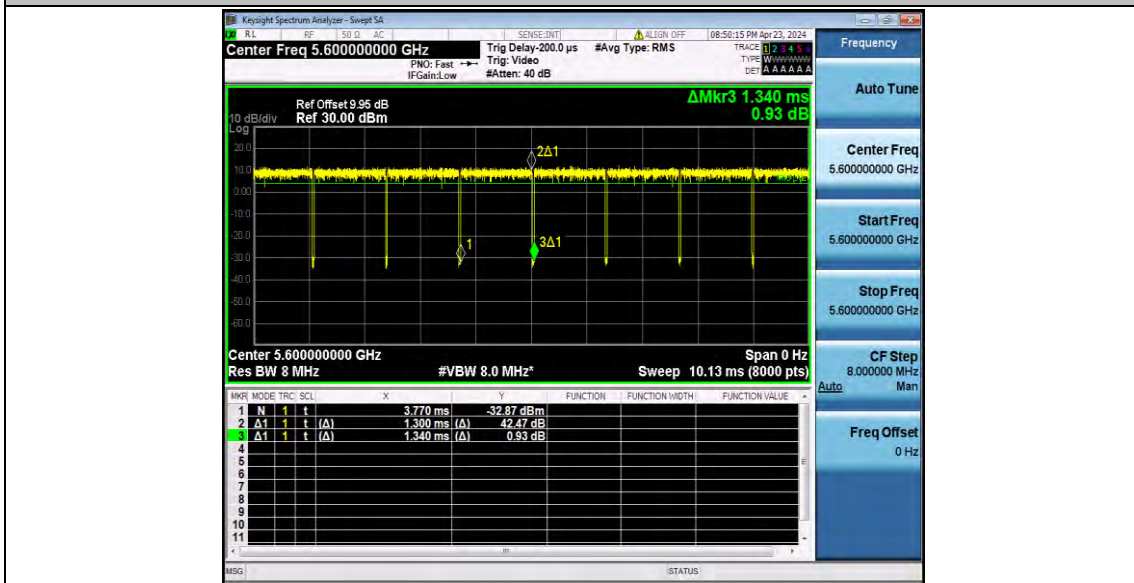




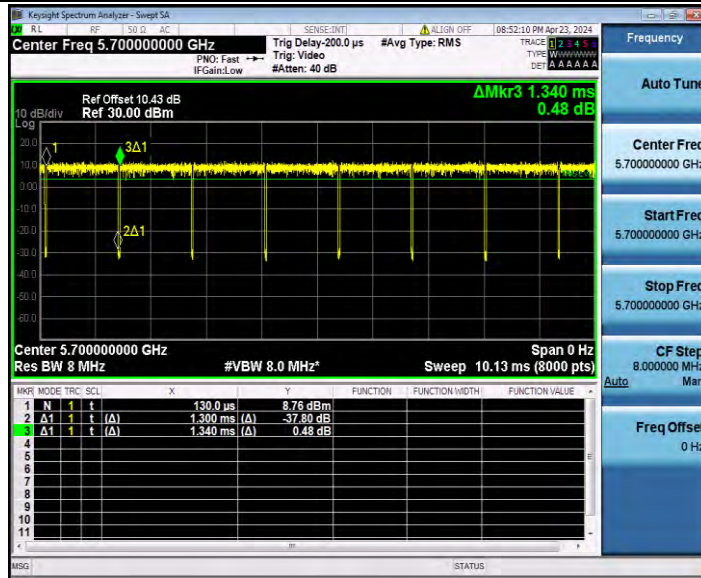
11N20SISO_Ant1_5500



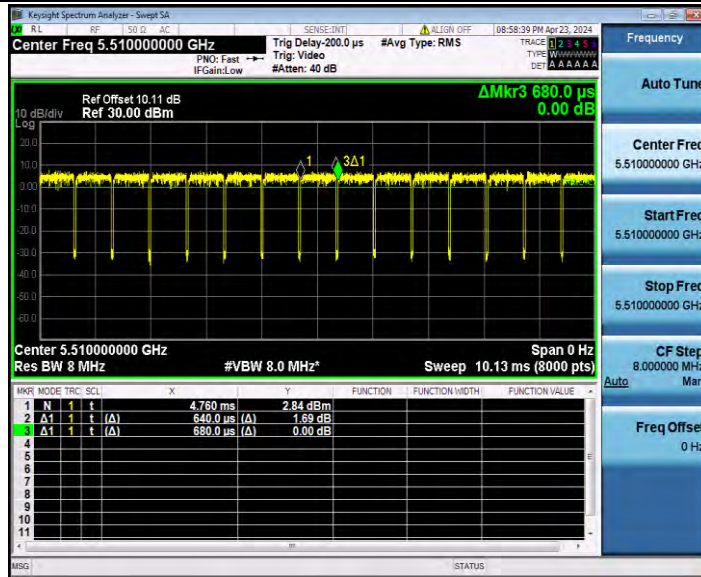
11N20SISO_Ant1_5600



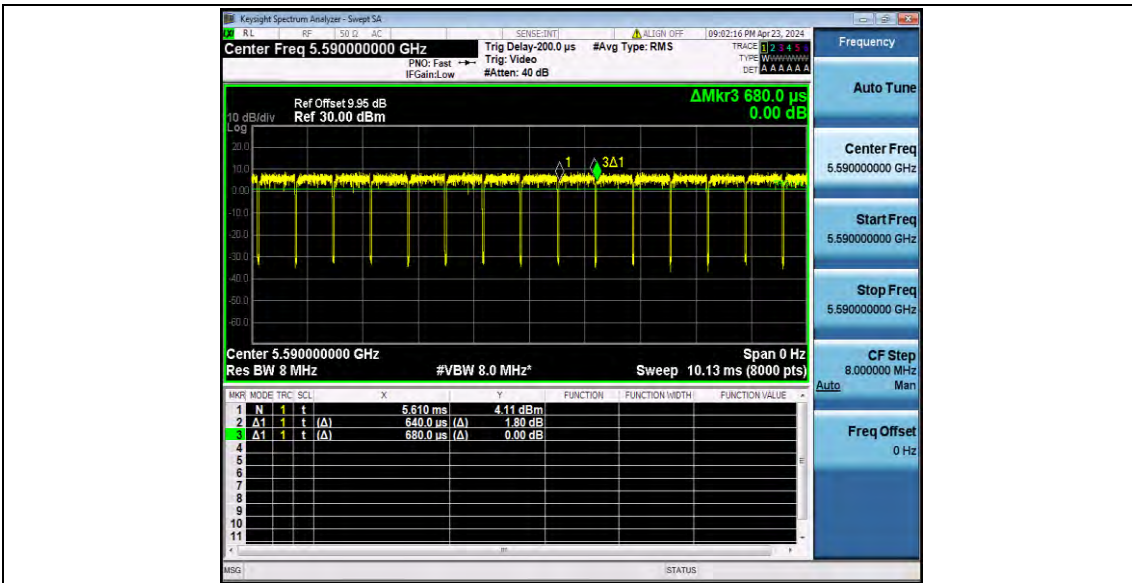
11N20SISO_Ant1_5700



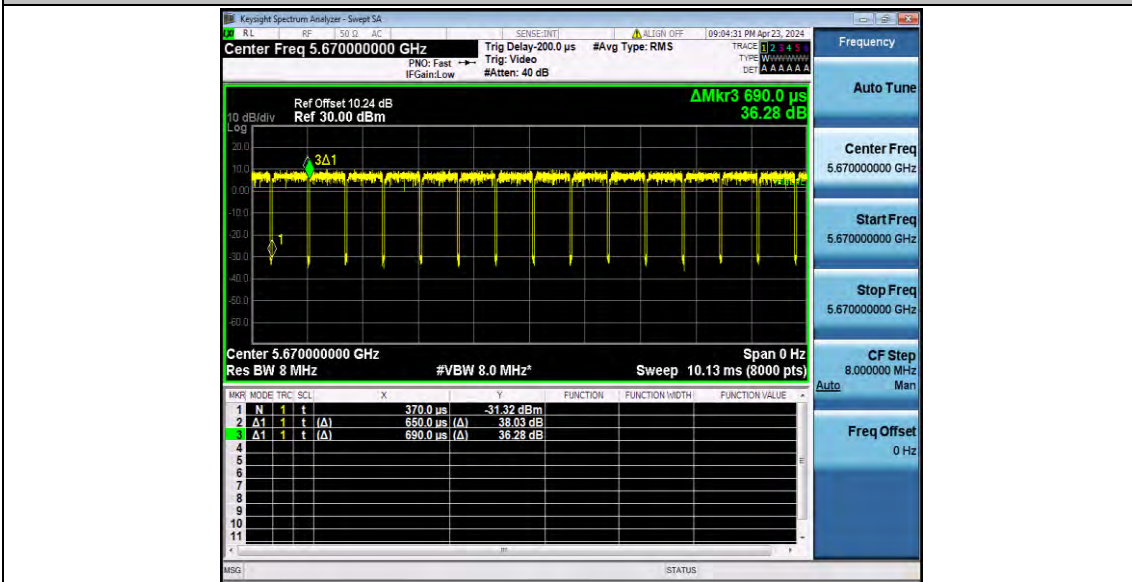
11N40SISO_Ant1_5510



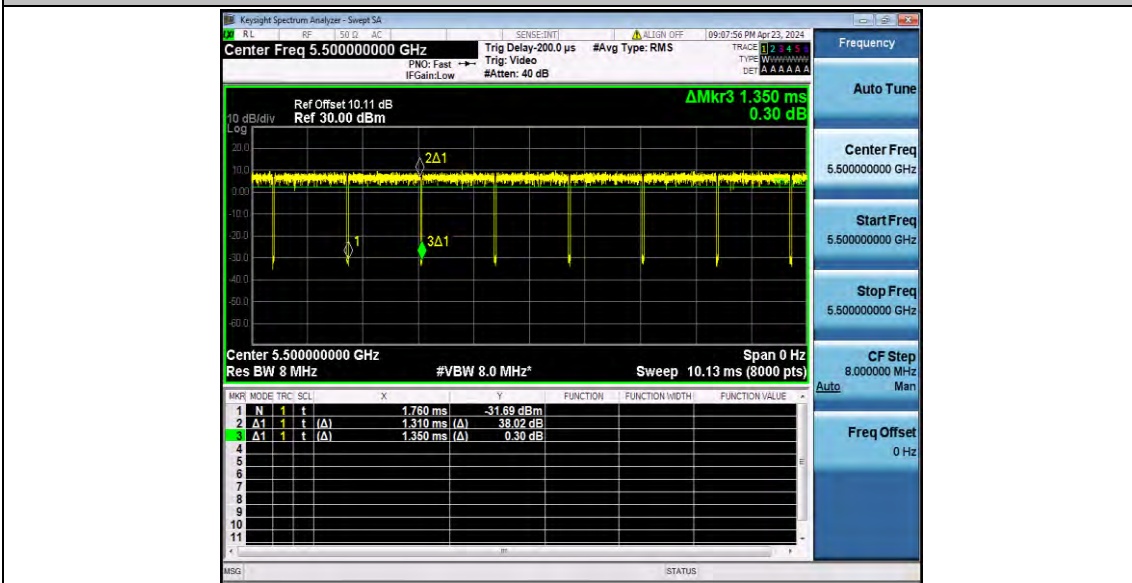
11N40SISO_Ant1_5590



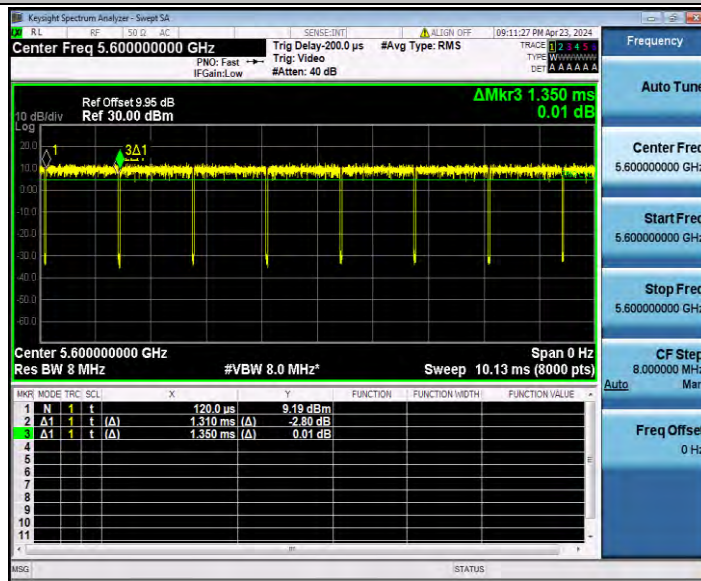
11N40SISO_Ant1_5670



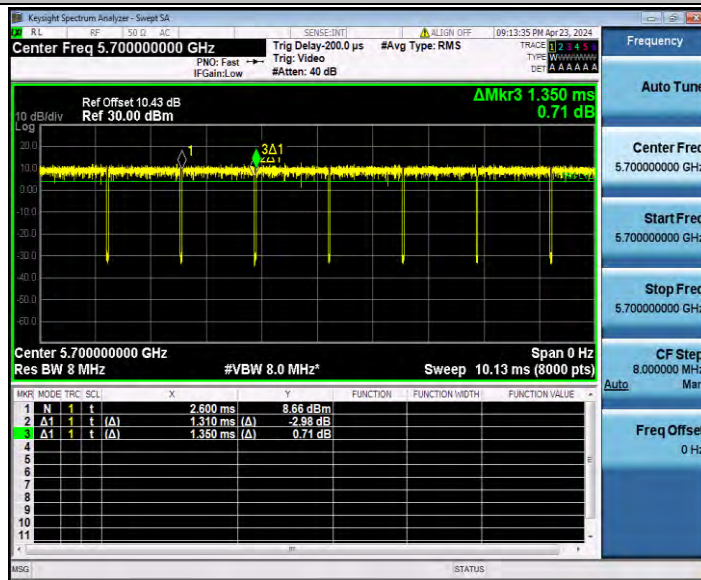
11AC20SISO_Ant1_5500



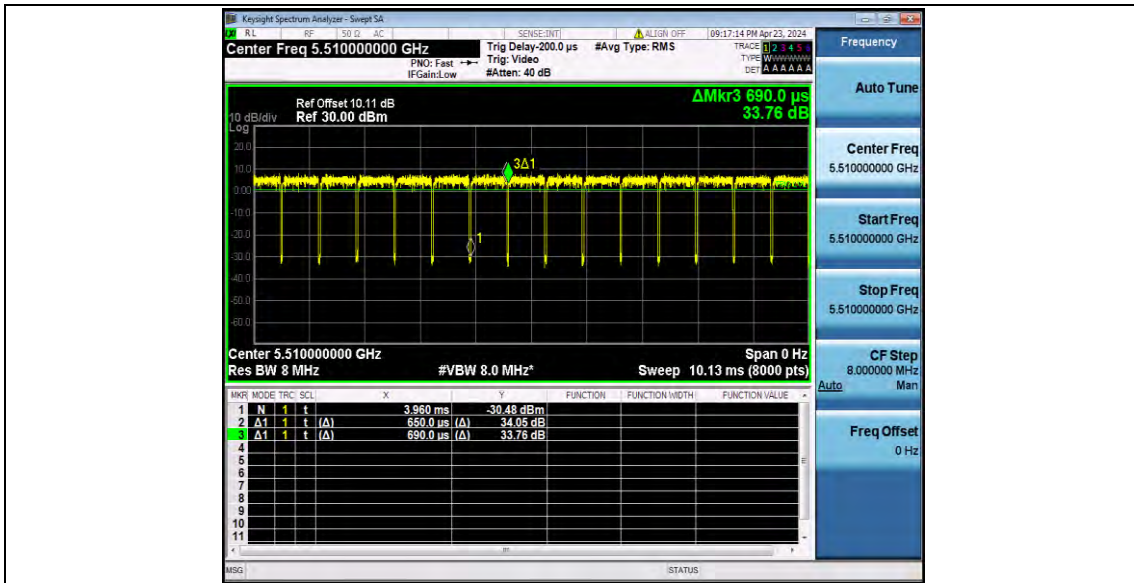
11AC20SISO_Ant1_5600



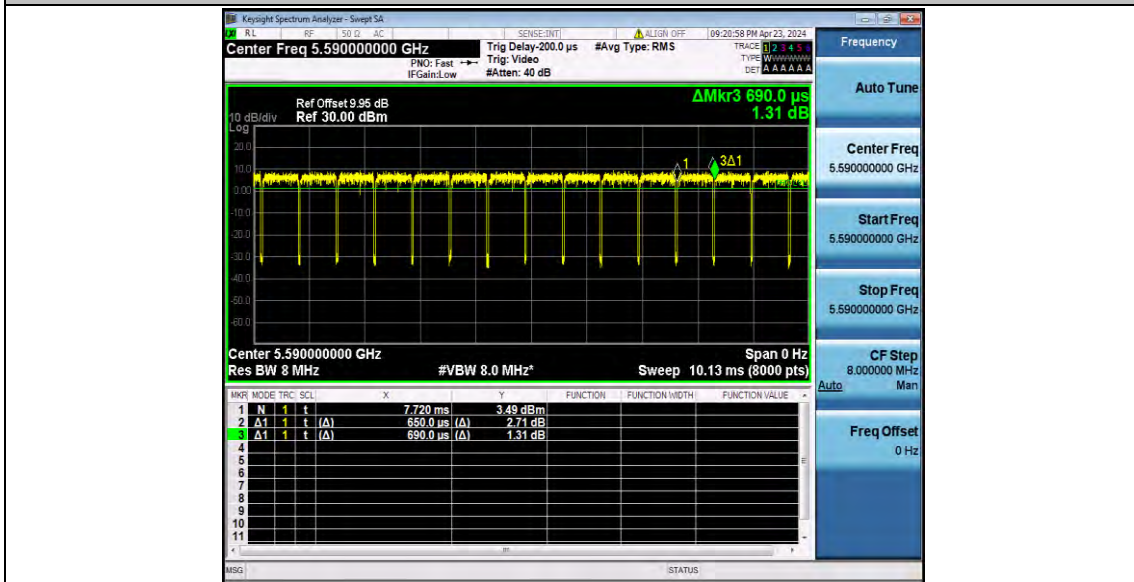
11AC20SISO_Ant1_5700



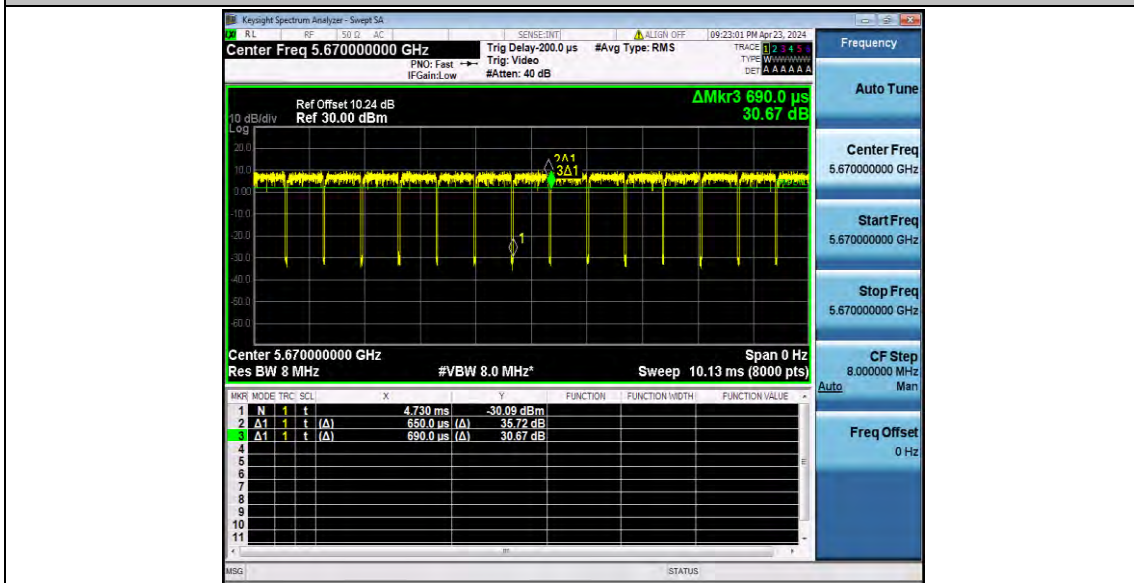
11AC40SISO_Ant1_5510



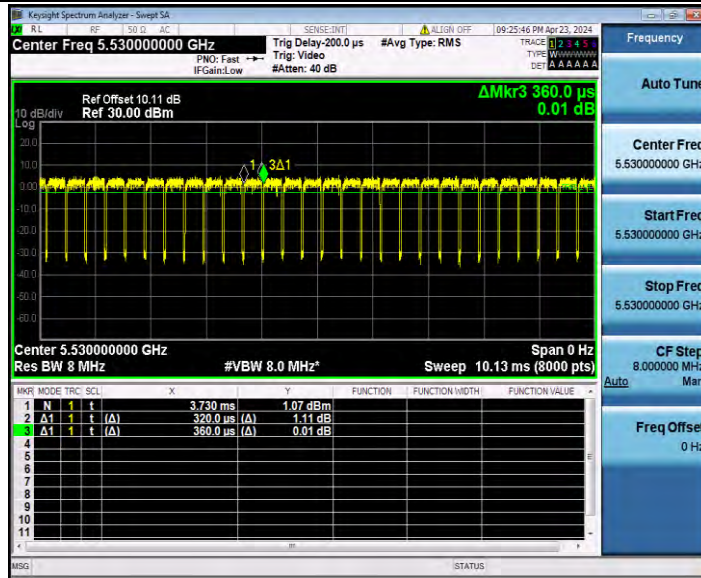
11AC40SISO_Ant1_5590



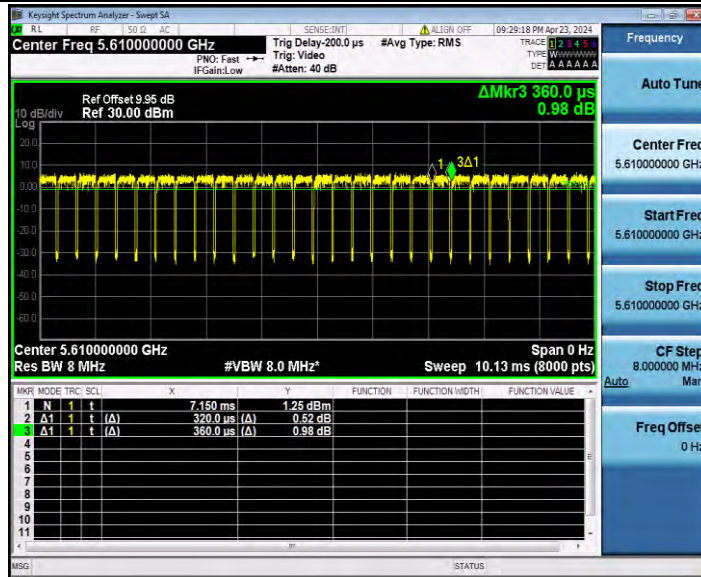
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix F.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	10.21	97.20	0.12	10.33	≤23.95	PASS
		5600	11.67	97.20	0.12	11.79	≤23.96	PASS
		5700	11.17	97.20	0.12	11.29	≤23.97	PASS
11N20SISO	Ant1	5500	9.67	97.01	0.13	9.80	≤23.98	PASS
		5600	11.82	97.01	0.13	11.95	≤23.98	PASS
		5700	11.64	97.01	0.13	11.77	≤23.98	PASS
11N40SISO	Ant1	5510	10.10	94.12	0.26	10.36	≤23.98	PASS
		5590	11.49	94.12	0.26	11.75	≤23.98	PASS
		5670	12.30	94.20	0.26	12.56	≤23.98	PASS
11AC20SIS O	Ant1	5500	9.85	97.04	0.13	9.98	≤23.98	PASS
		5600	12.45	97.04	0.13	12.58	≤23.98	PASS
		5700	11.92	97.04	0.13	12.05	≤23.98	PASS
11AC40SIS O	Ant1	5510	10.64	94.20	0.26	10.90	≤23.98	PASS
		5590	11.97	94.20	0.26	12.23	≤23.98	PASS
		5670	12.38	94.20	0.26	12.64	≤23.98	PASS
11AC80SIS O	Ant1	5530	10.10	88.89	0.51	10.61	≤23.98	PASS
		5610	11.42	88.89	0.51	11.93	≤23.98	PASS

Note:

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

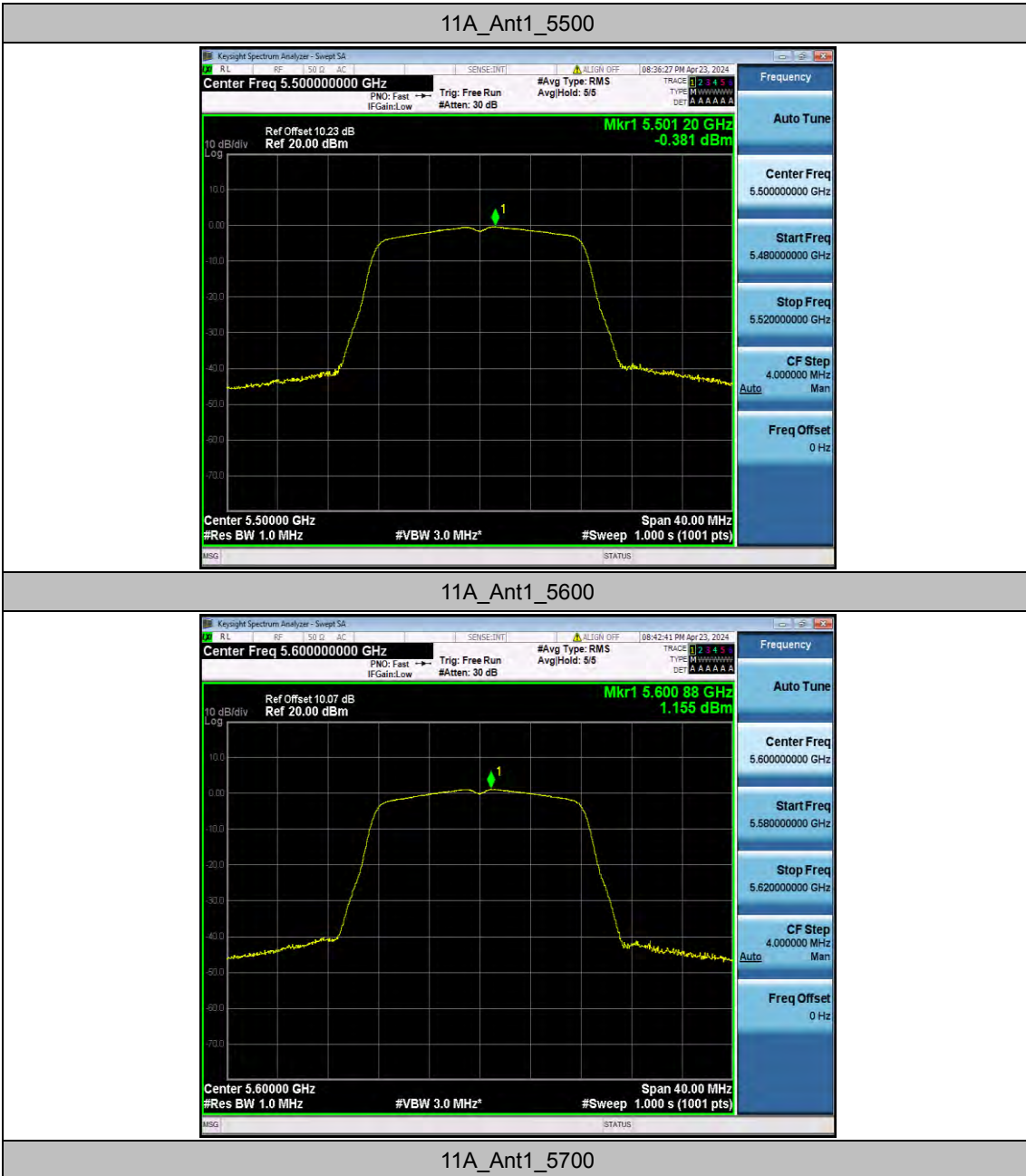
Appendix F.5: Maximum power spectral density

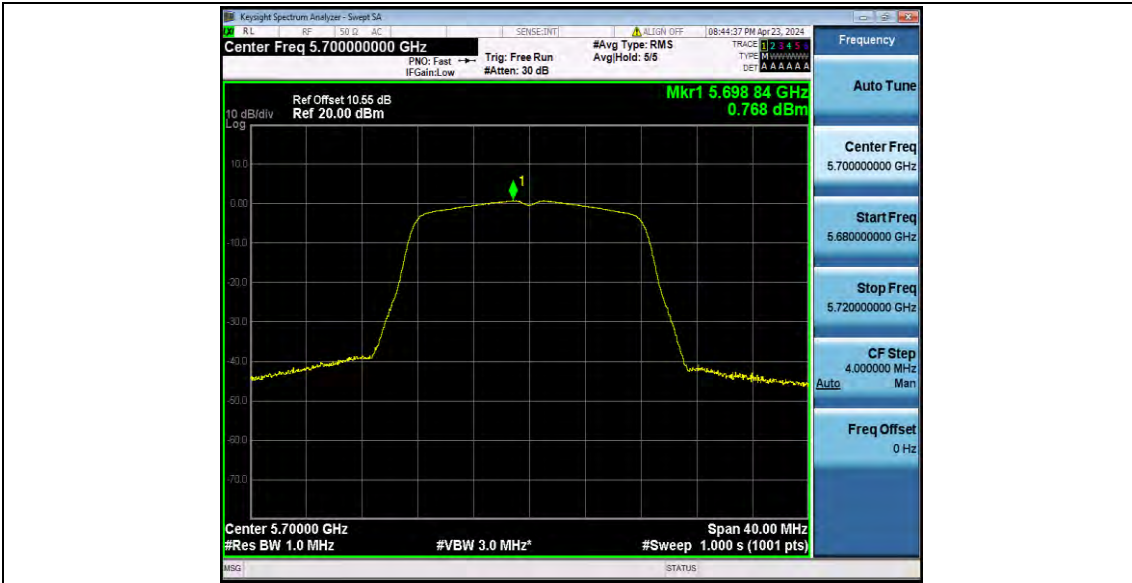
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-0.38	≤11.00	PASS
		5600	1.16	≤11.00	PASS
		5700	0.77	≤11.00	PASS
11N20SISO	Ant1	5500	-1.26	≤11.00	PASS
		5600	1.01	≤11.00	PASS
		5700	0.96	≤11.00	PASS
11N40SISO	Ant1	5510	-3.05	≤11.00	PASS
		5590	-1.83	≤11.00	PASS
		5670	-0.99	≤11.00	PASS
11AC20SISO	Ant1	5500	-1.07	≤11.00	PASS
		5600	1.68	≤11.00	PASS
		5700	0.95	≤11.00	PASS
11AC40SISO	Ant1	5510	-2.52	≤11.00	PASS
		5590	-1.30	≤11.00	PASS
		5670	-0.94	≤11.00	PASS
11AC80SISO	Ant1	5530	-5.27	≤11.00	PASS
		5610	-3.89	≤11.00	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.

Test Graphs





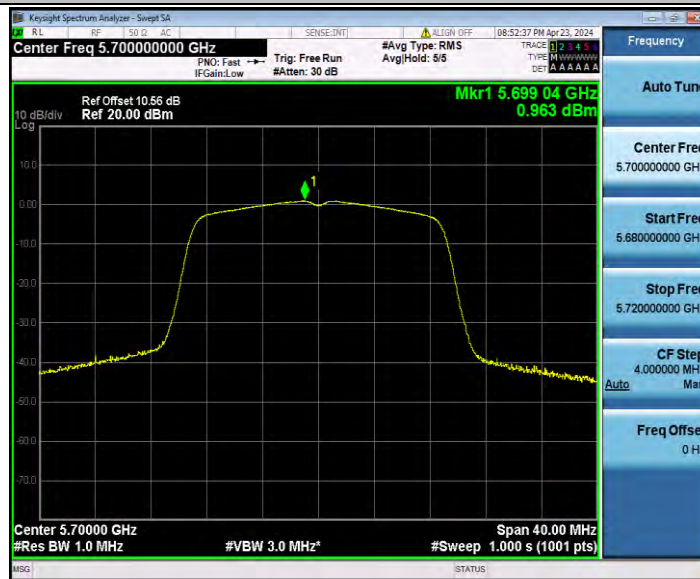
11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

