

Case No. : <u>GTS20230210003-1-6</u>
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.2.28</u> Test Engineer: <u>Jenny zeng</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	19.760	5170.040	5189.800	---	---
		5200	19.920	5189.920	5209.840	---	---
		5240	19.840	5230.160	5250.000	---	---
11N20SISO	Ant2	5180	20.240	5169.920	5190.160	---	---
		5200	20.280	5189.880	5210.160	---	---
		5240	20.280	5229.800	5250.080	---	---
11N40SISO	Ant2	5190	40.000	5170.000	5210.000	---	---
		5230	40.320	5209.760	5250.080	---	---
11AC20SISO	Ant2	5180	20.440	5169.840	5190.280	---	---
		5200	20.280	5189.880	5210.160	---	---
		5240	20.360	5229.720	5250.080	---	---
11AC40SISO	Ant2	5190	40.400	5169.760	5210.160	---	---
		5230	41.280	5209.440	5250.720	---	---
11AC80SISO	Ant2	5210	80.800	5169.520	5250.320	---	---

Test Graphs

11A_Ant2_5180



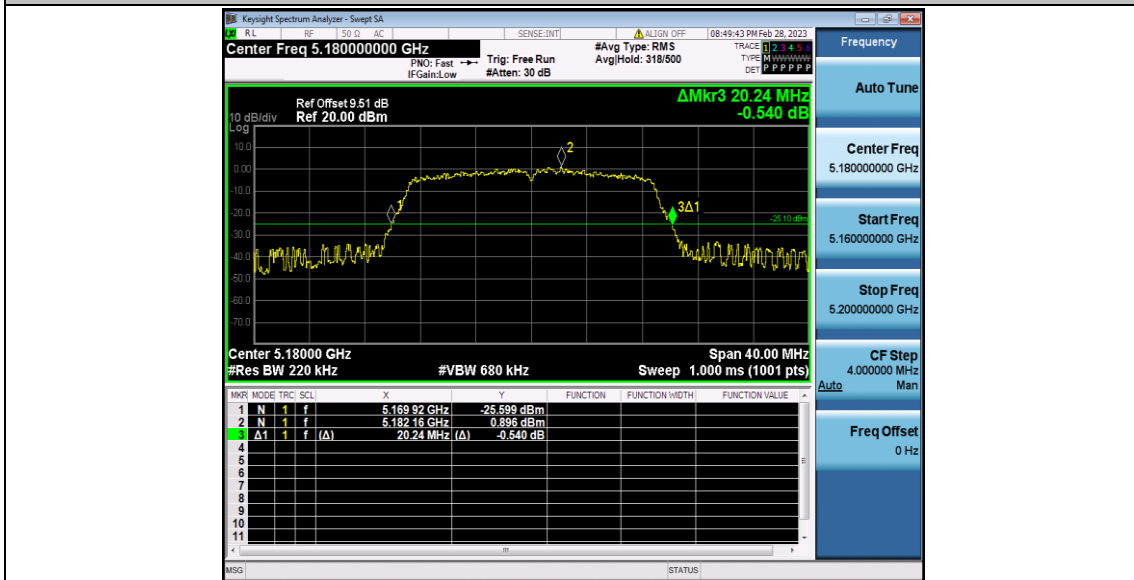
11A_Ant2_5200



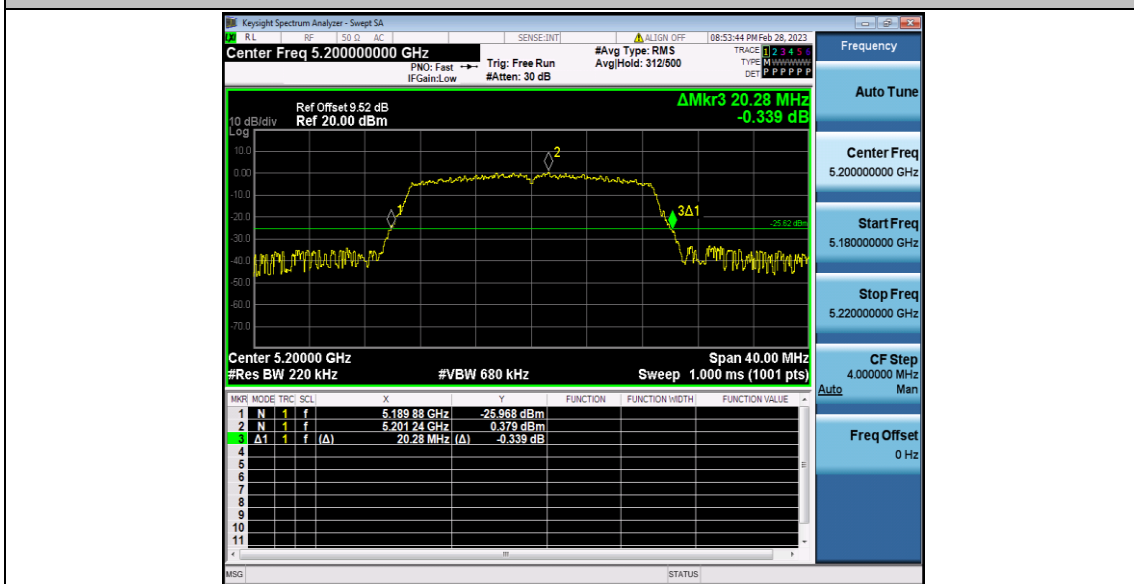
11A_Ant2_5240



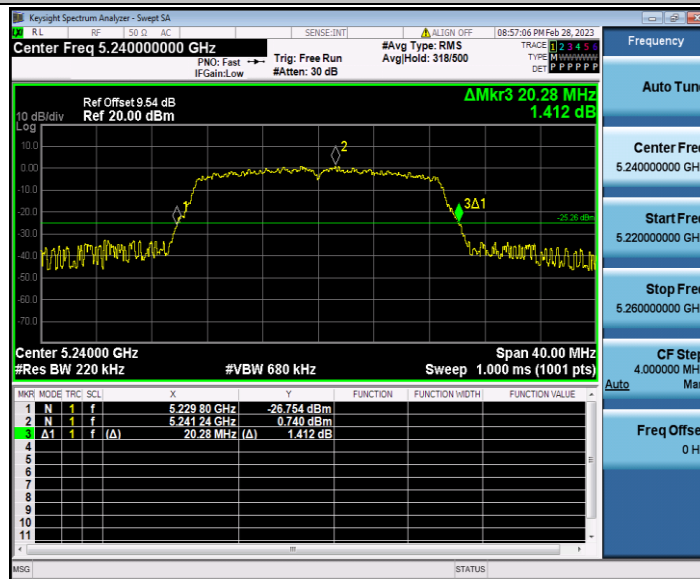
11N20SISO_Ant2_5180



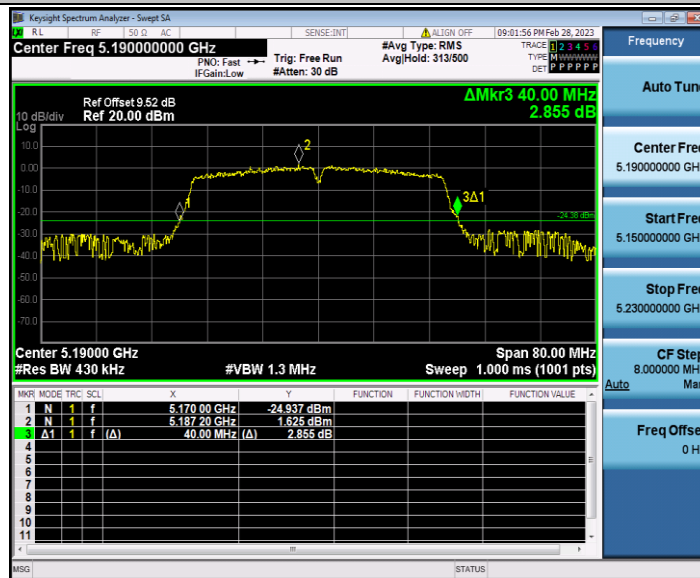
11N20SISO_Ant2_5200



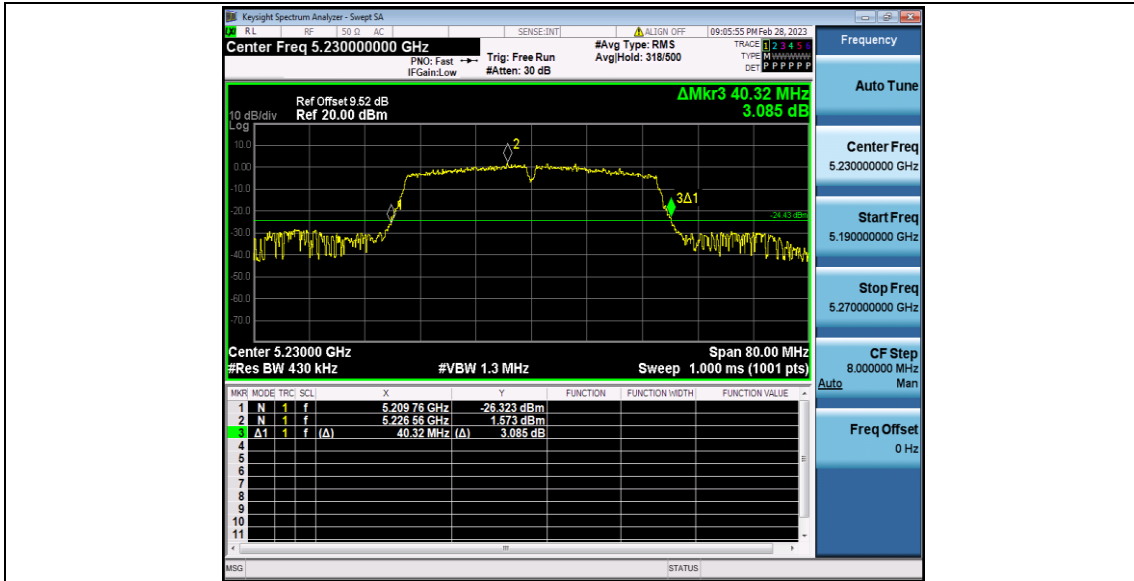
11N20SISO_Ant2_5240



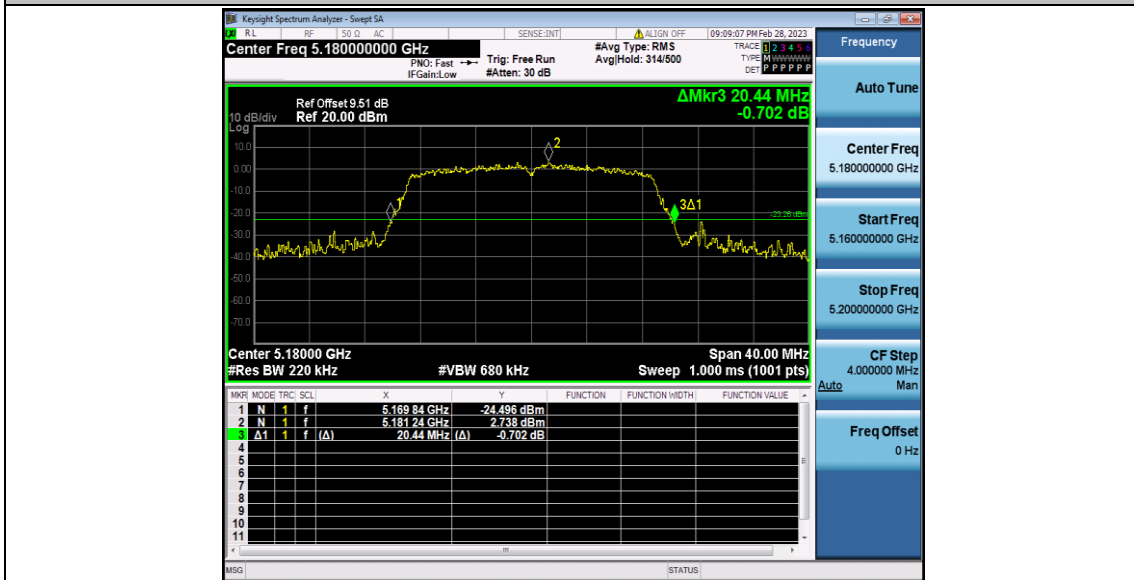
11N40SISO_Ant2_5190



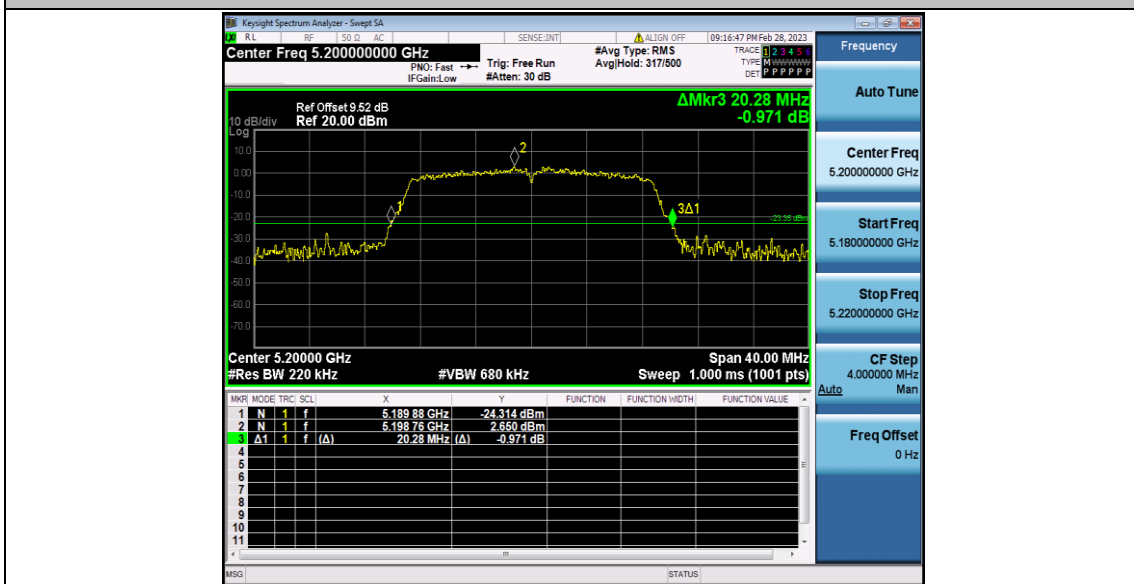
11N40SISO_Ant2_5230



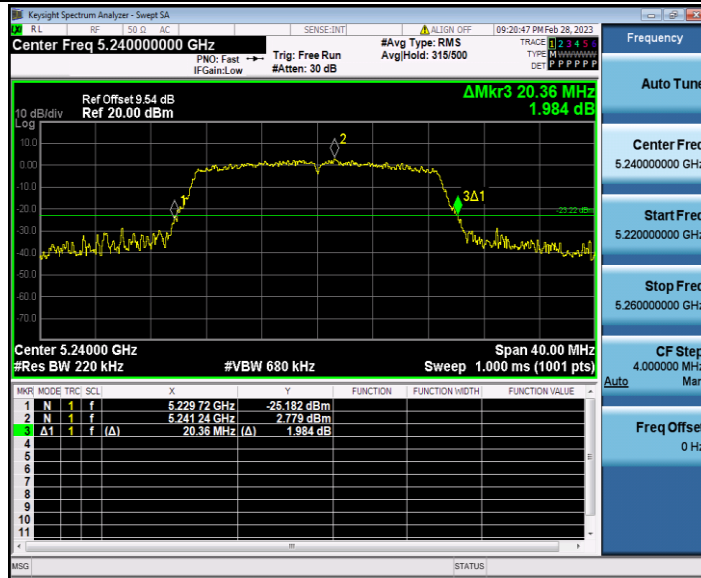
11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210

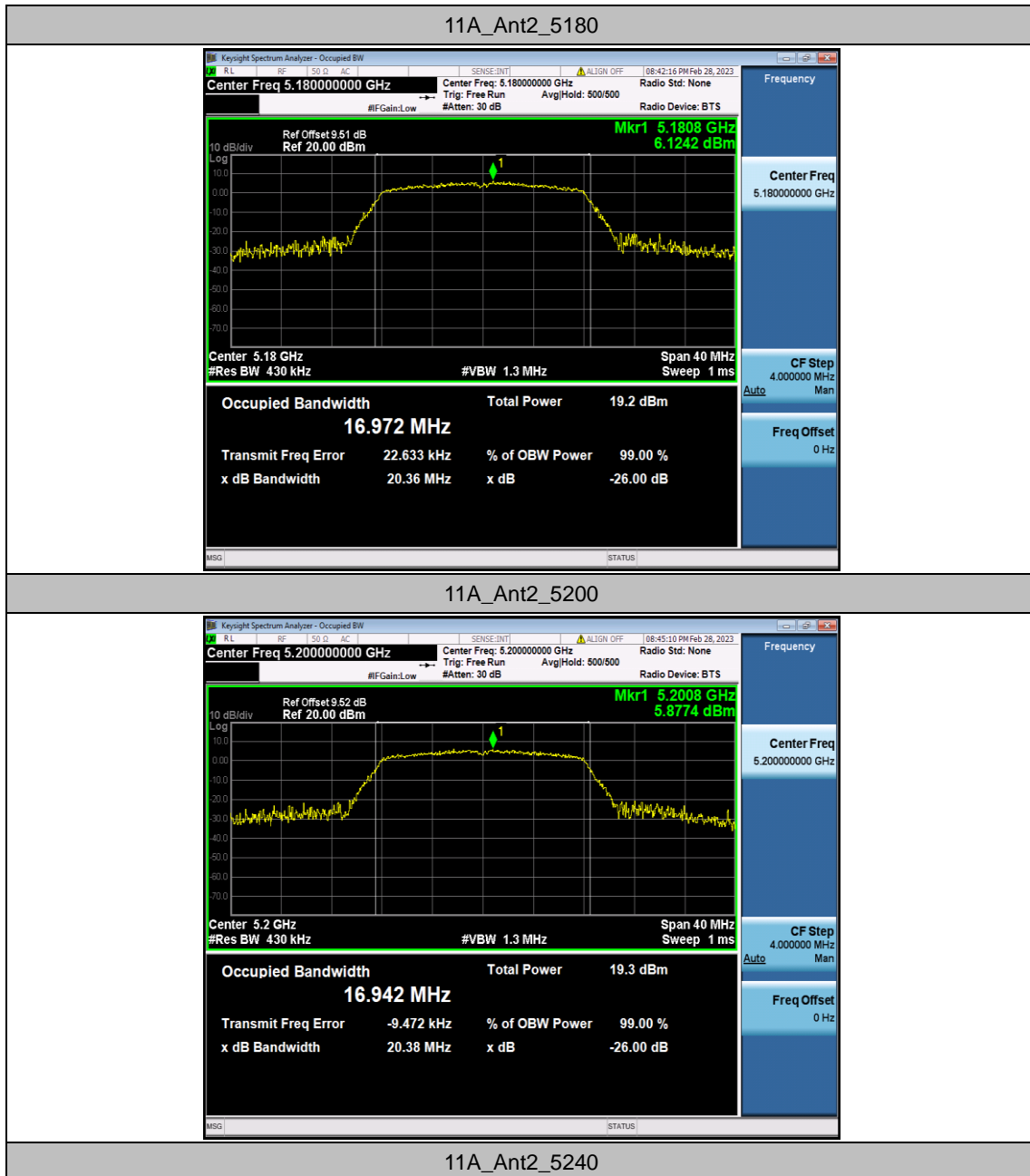


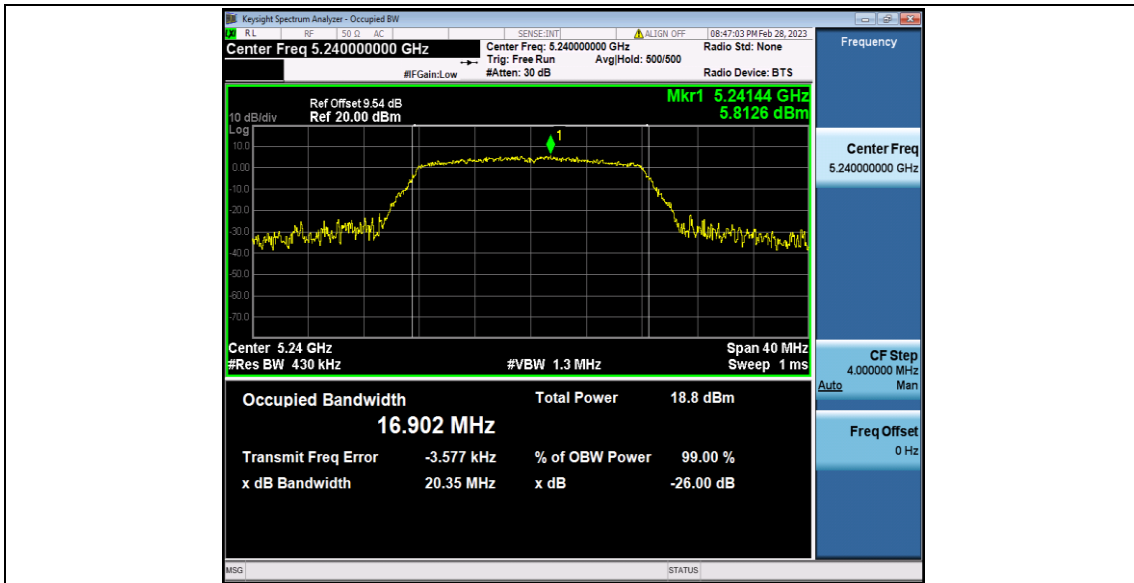
Appendix D.2: Occupied channel bandwidth

Test Result

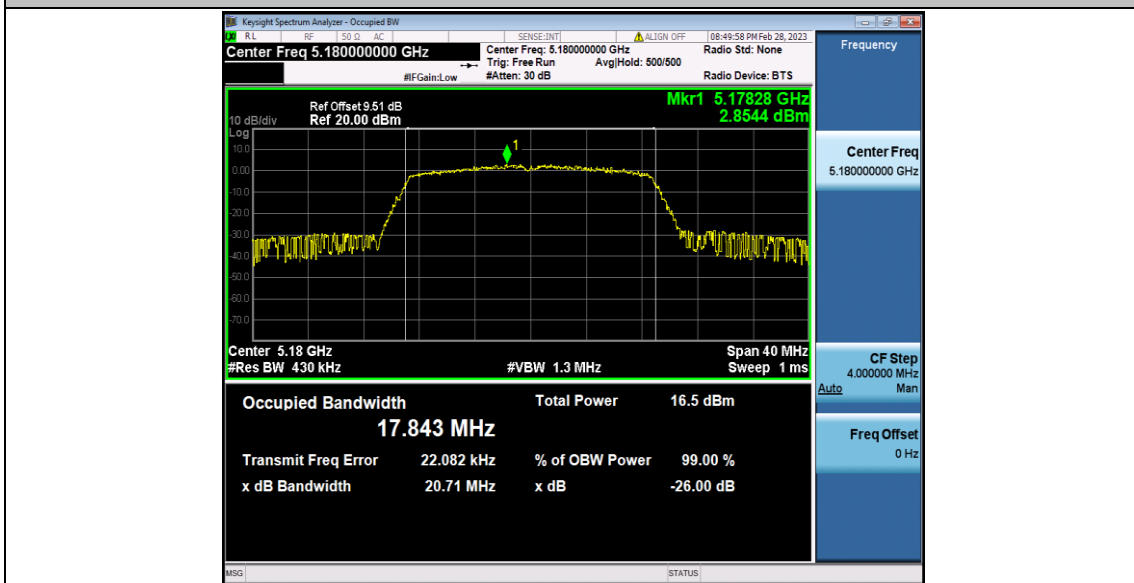
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	16.972	5171.537	5188.509	---	---
		5200	16.942	5191.520	5208.462	---	---
		5240	16.902	5231.545	5248.447	---	---
11N20SISO	Ant2	5180	17.843	5171.101	5188.944	---	---
		5200	17.826	5191.080	5208.906	---	---
		5240	17.850	5231.048	5248.898	---	---
11N40SISO	Ant2	5190	36.354	5171.870	5208.224	---	---
		5230	36.302	5211.795	5248.097	---	---
11AC20SISO	Ant2	5180	17.864	5171.090	5188.954	---	---
		5200	17.907	5191.059	5208.966	---	---
		5240	17.809	5231.083	5248.892	---	---
11AC40SISO	Ant2	5190	36.226	5171.892	5208.118	---	---
		5230	36.218	5211.863	5248.081	---	---
11AC80SISO	Ant2	5210	75.080	5172.480	5247.560	---	---

Test Graphs

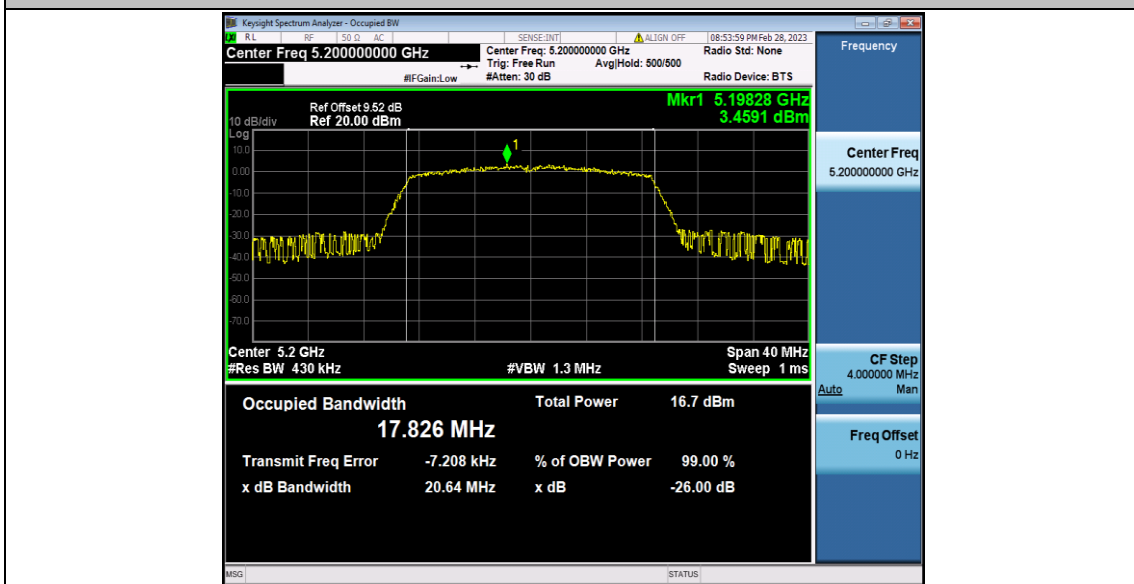




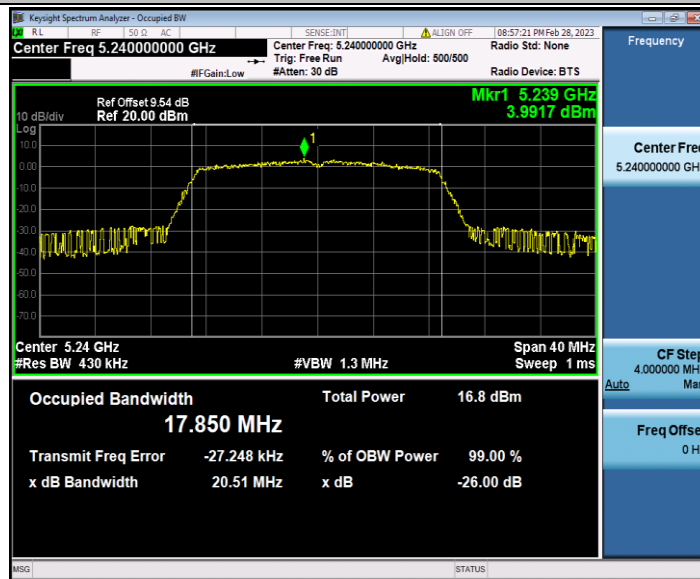
11N20SISO_Ant2_5180



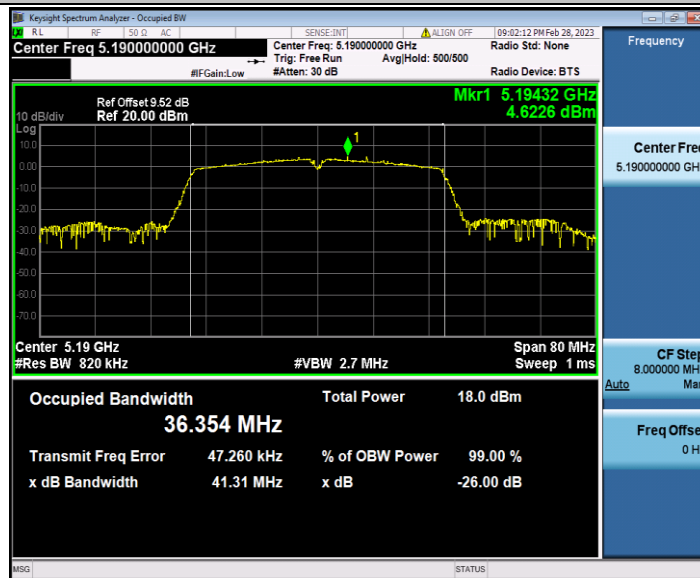
11N20SISO_Ant2_5200



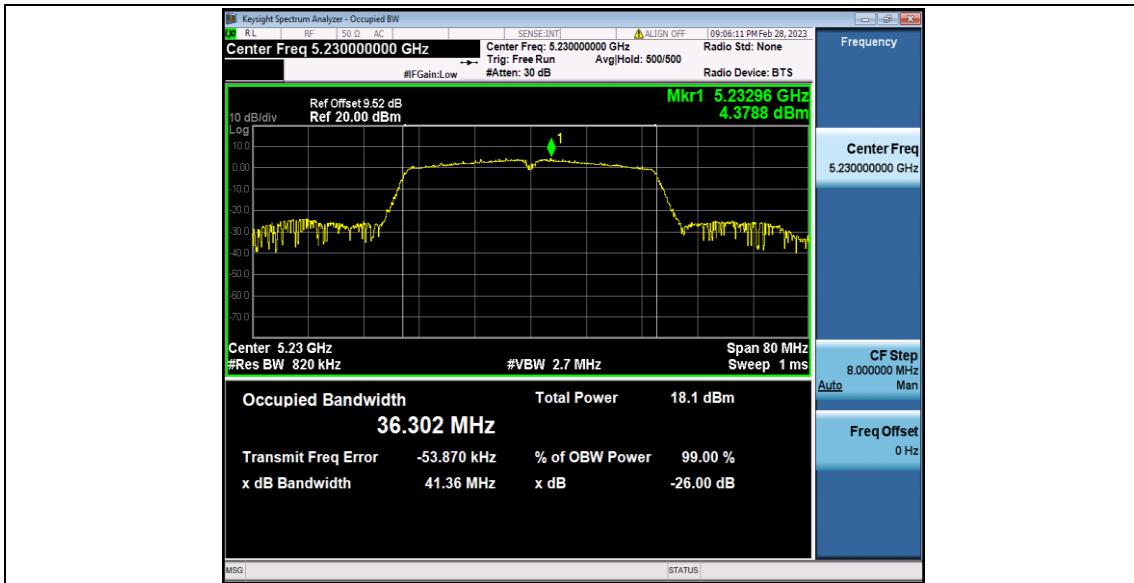
11N20SISO_Ant2_5240



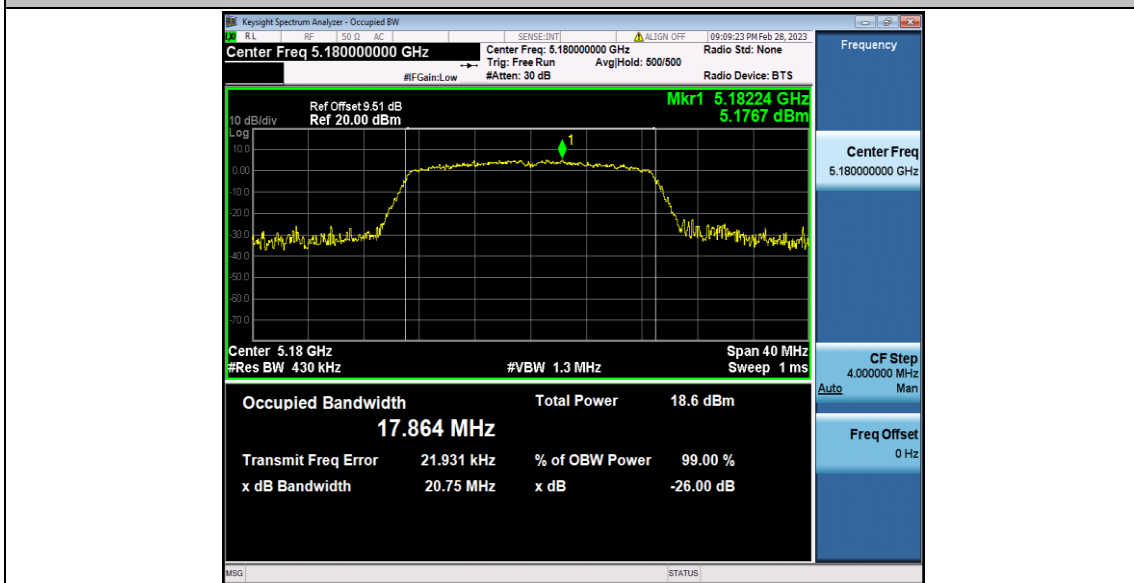
11N40SISO_Ant2_5190



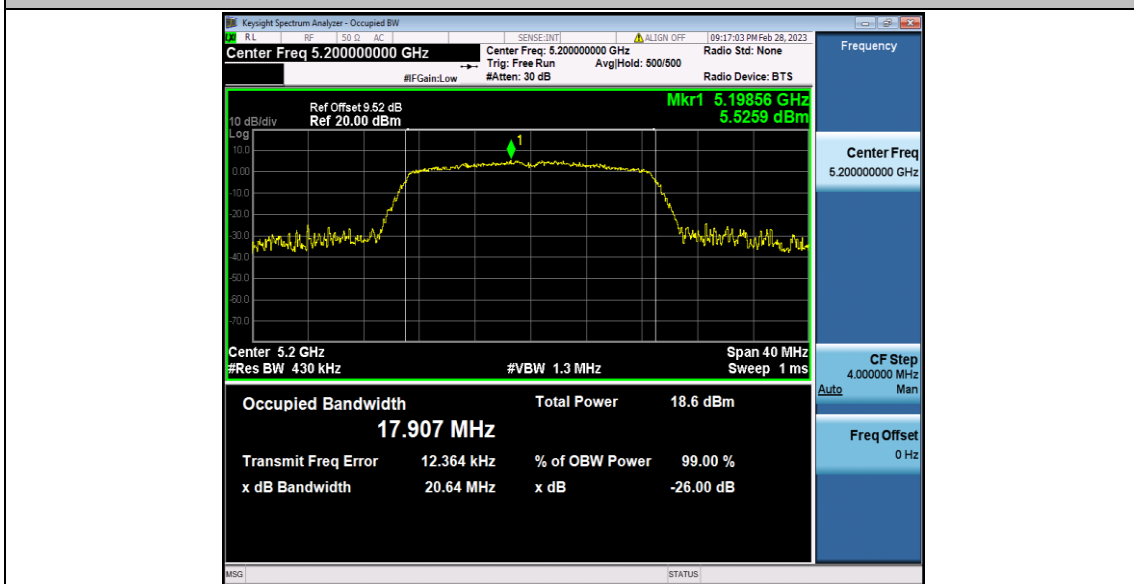
11N40SISO_Ant2_5230



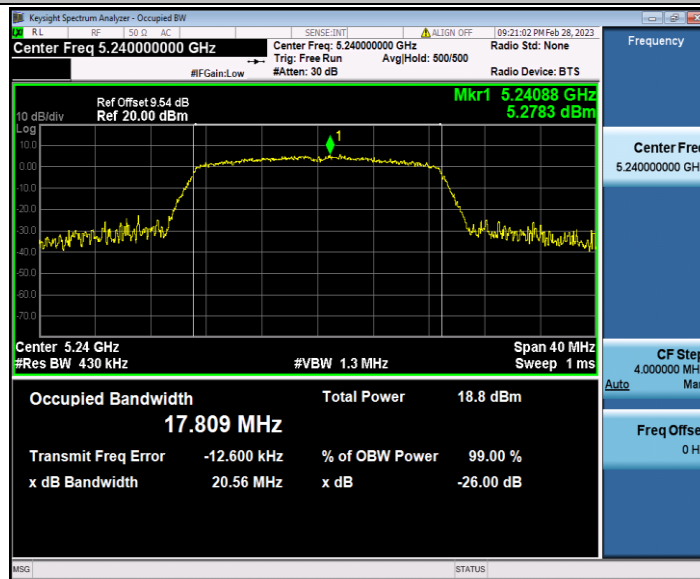
11AC20SISO_Ant2_5180



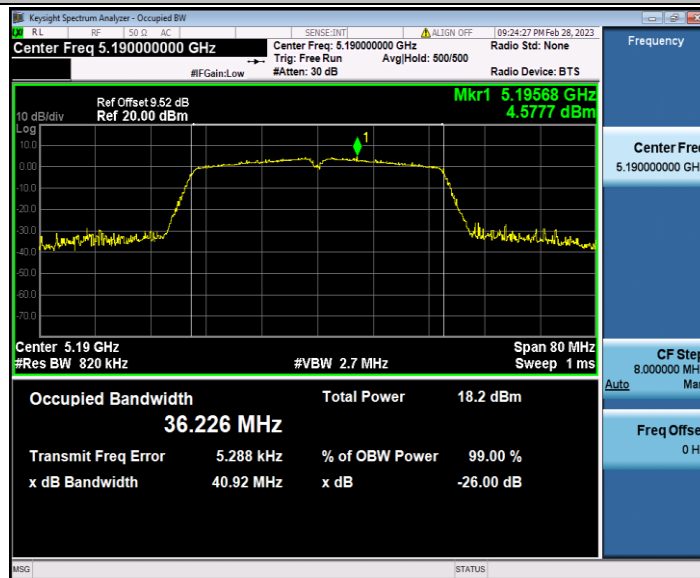
11AC20SISO_Ant2_5200



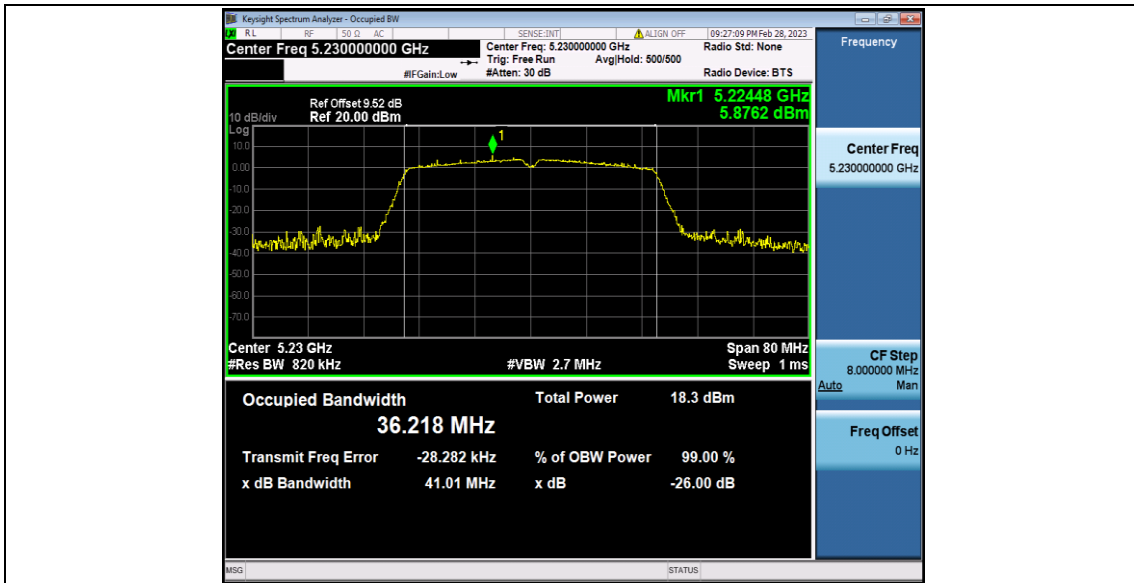
11AC20SISO_Ant2_5240



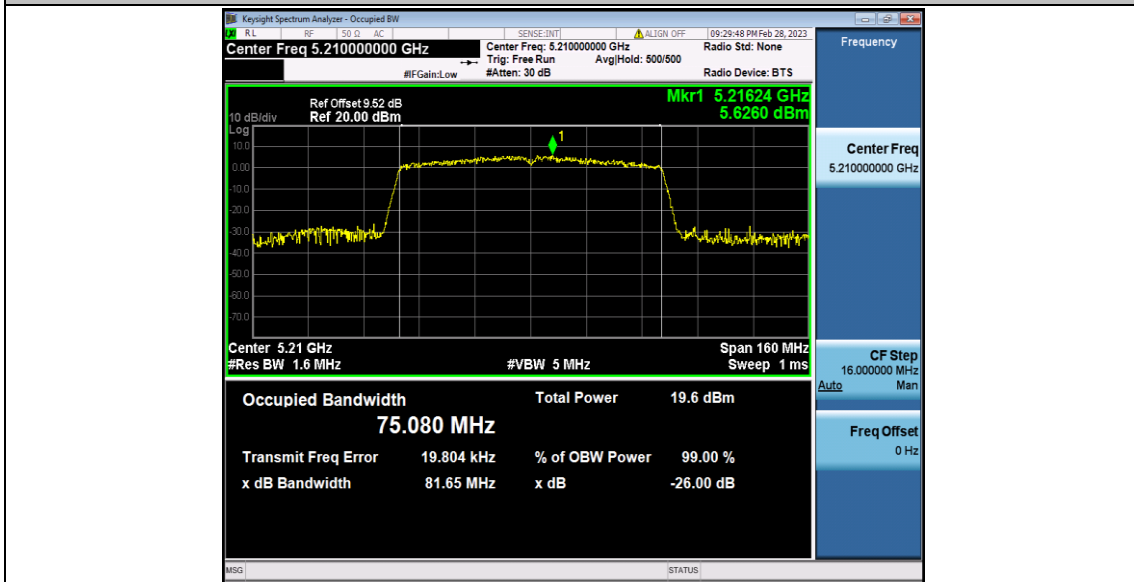
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210

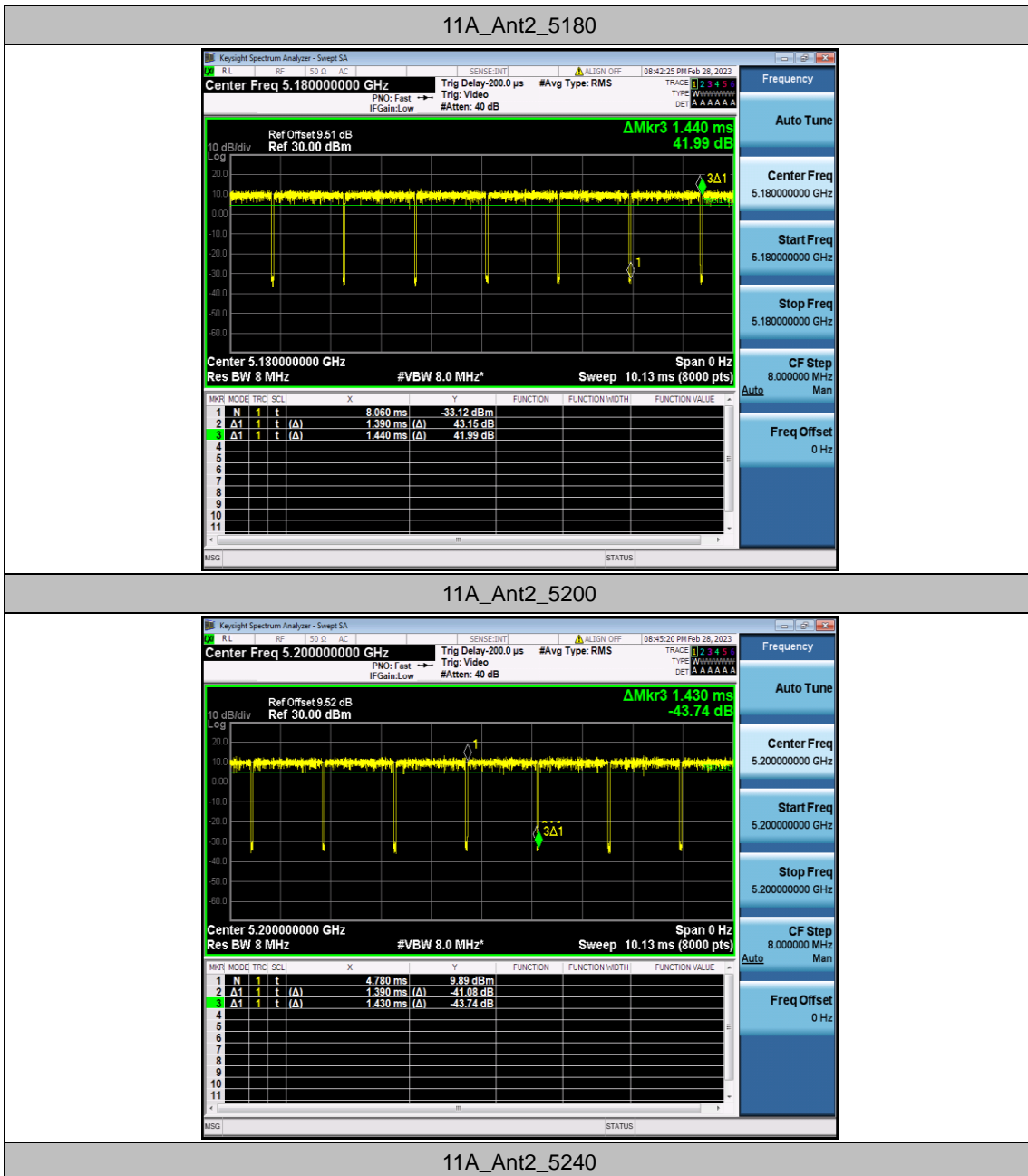


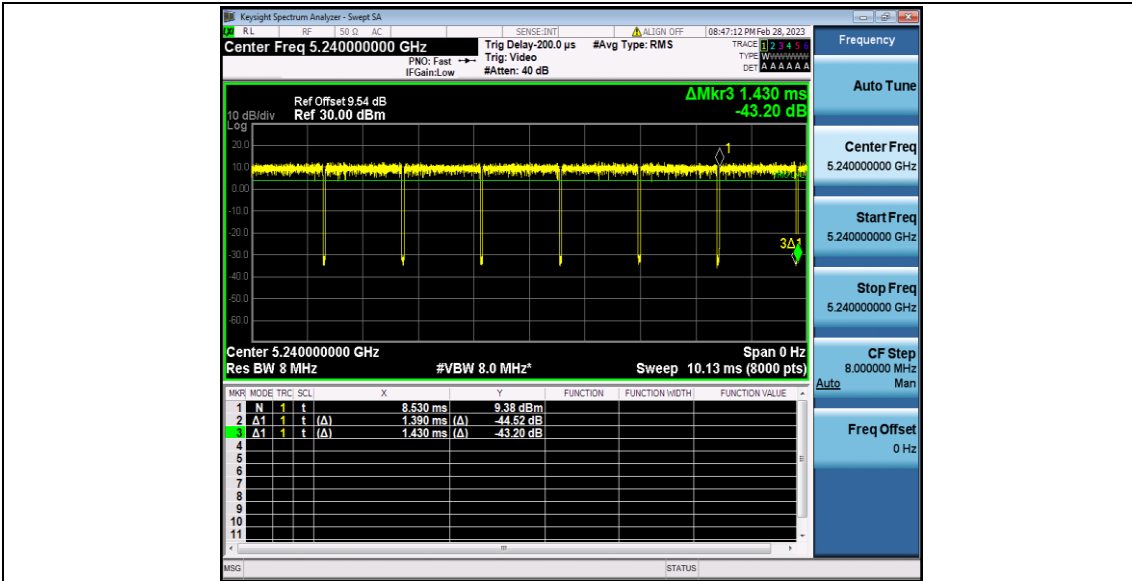
Appendix D.3: Duty Cycle

Test Result

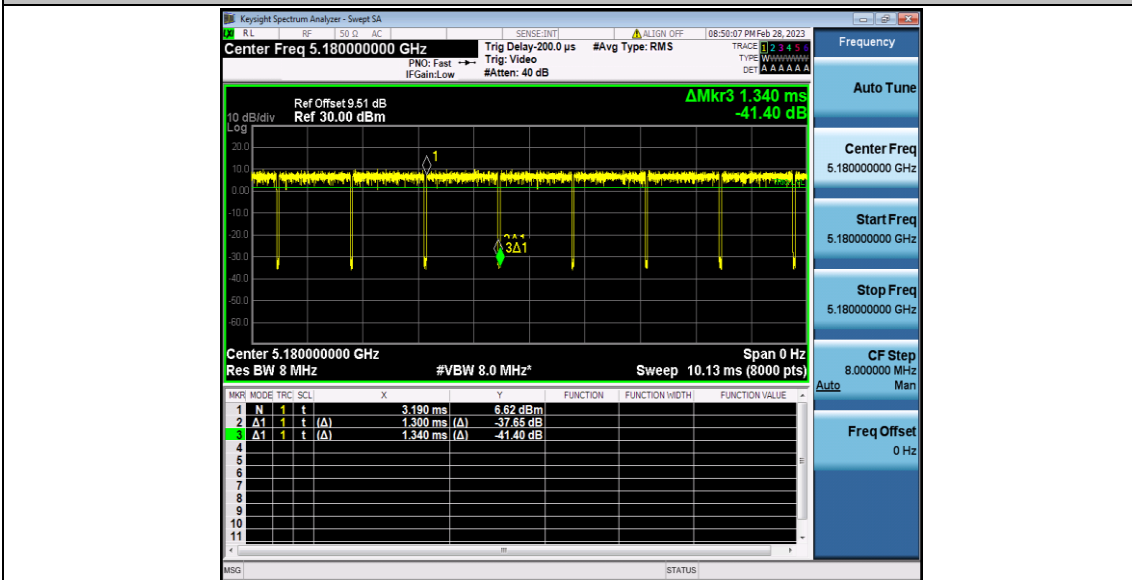
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant2	5180	1.39	1.44	96.53	0.15
		5200	1.39	1.43	97.20	0.12
		5240	1.39	1.43	97.20	0.12
11N20SISO	Ant2	5180	1.30	1.34	97.01	0.13
		5200	1.30	1.35	96.30	0.16
		5240	1.30	1.35	96.30	0.16
11N40SISO	Ant2	5190	0.64	0.69	92.75	0.33
		5230	0.64	0.69	92.75	0.33
11AC20SISO	Ant2	5180	1.32	1.36	97.06	0.13
		5200	1.31	1.35	97.04	0.13
		5240	1.31	1.35	97.04	0.13
11AC40SISO	Ant2	5190	0.65	0.70	92.86	0.32
		5230	0.65	0.70	92.86	0.32
11AC80SISO	Ant2	5210	0.32	0.37	86.49	0.63

Test Graphs

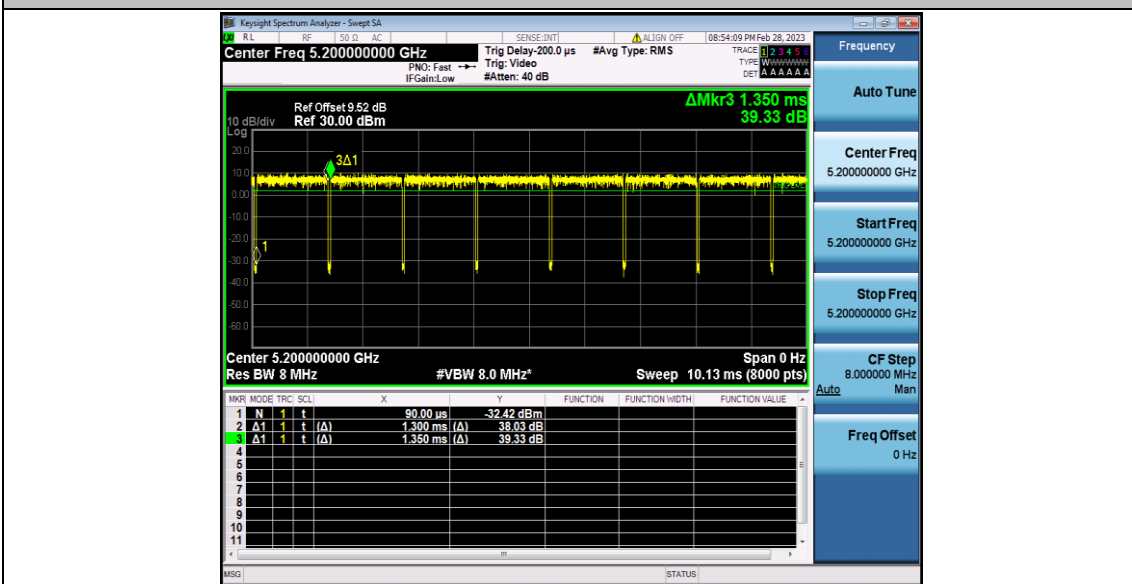




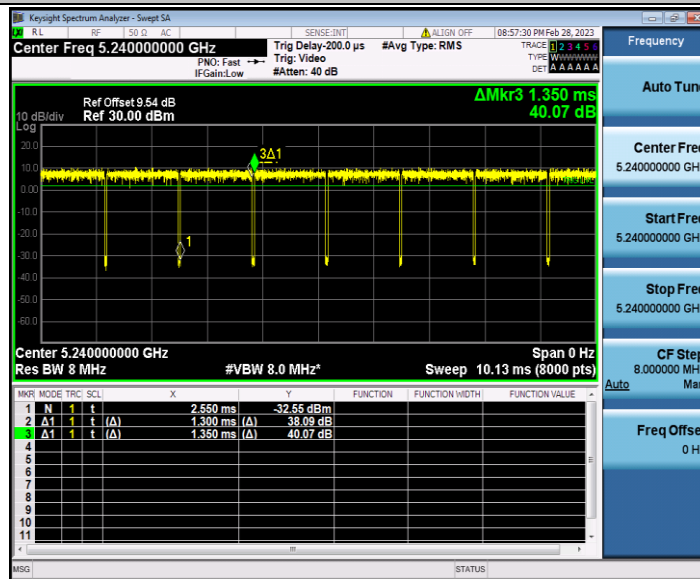
11N20SISO_Ant2_5180



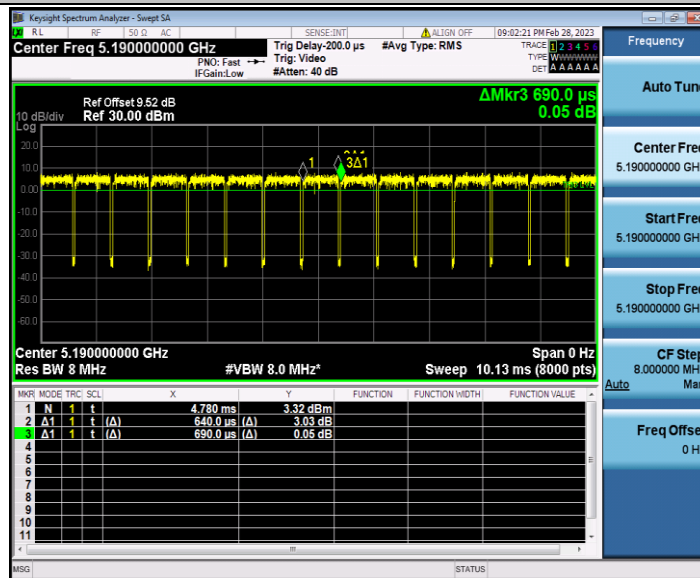
11N20SISO_Ant2_5200



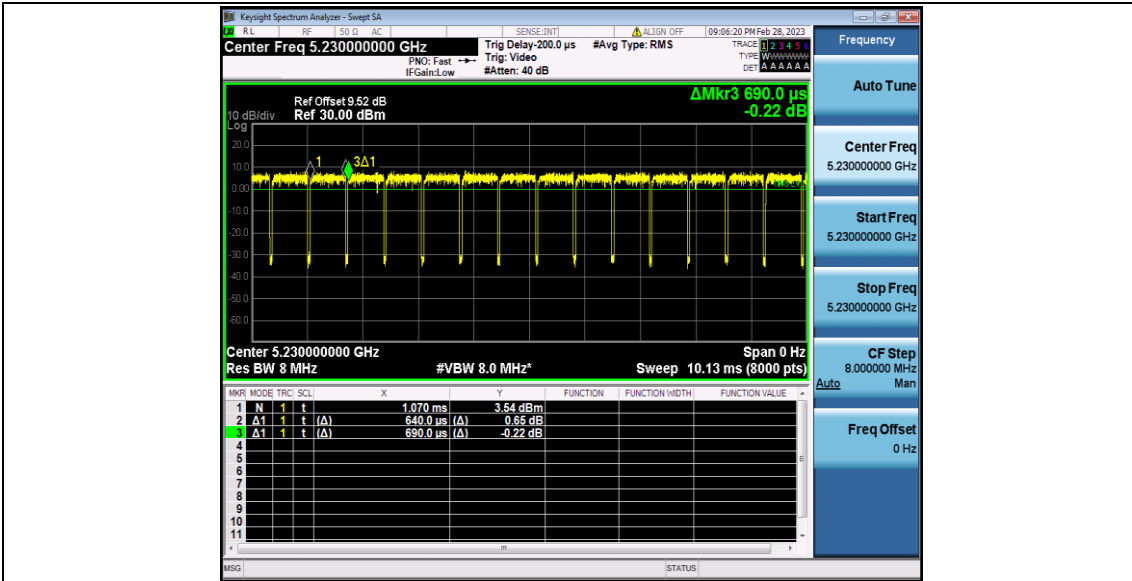
11N20SISO_Ant2_5240



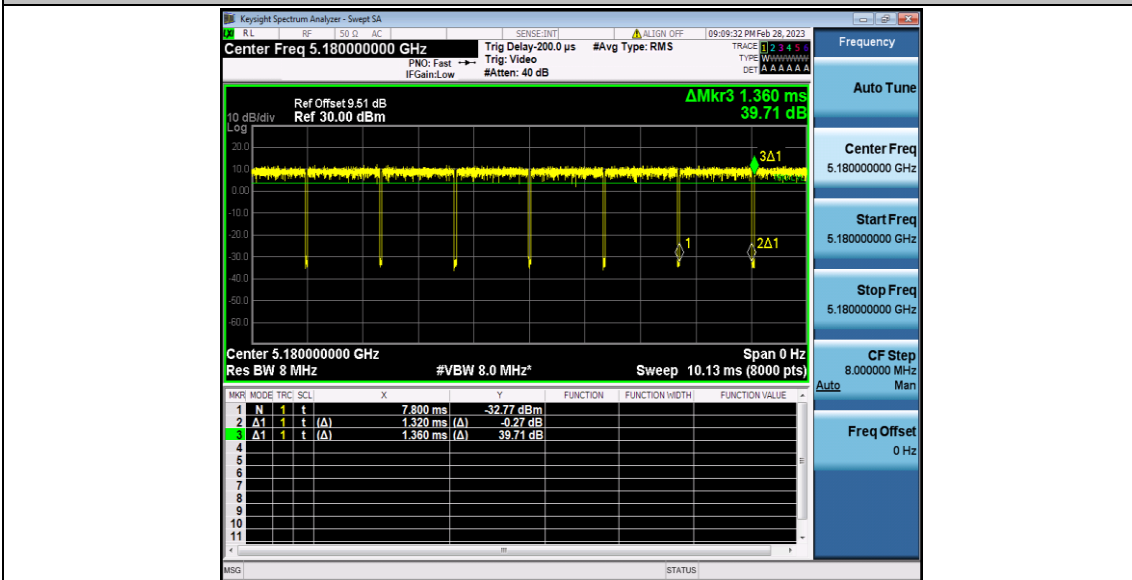
11N40SISO_Ant2_5190



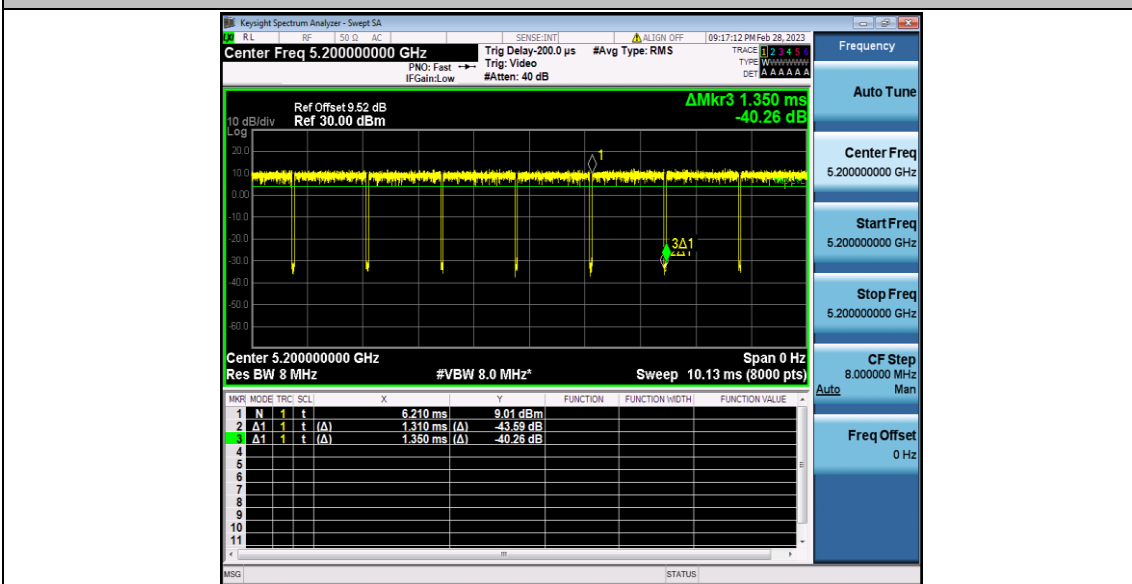
11N40SISO_Ant2_5230



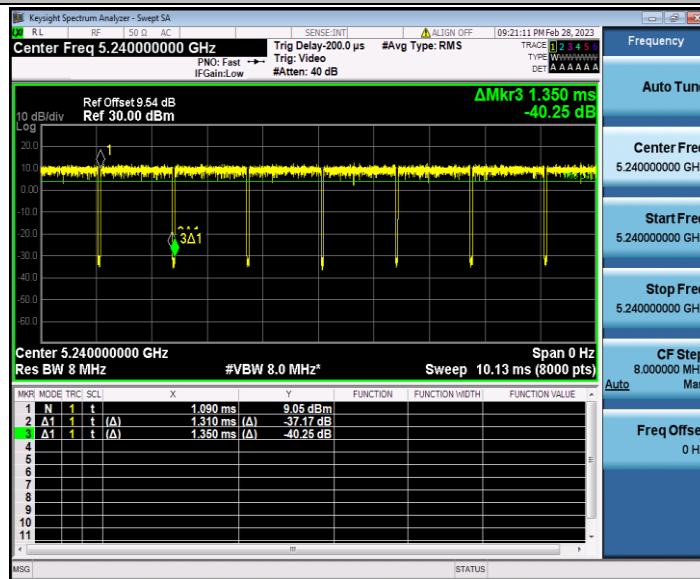
11AC20SISO_Ant2_5180



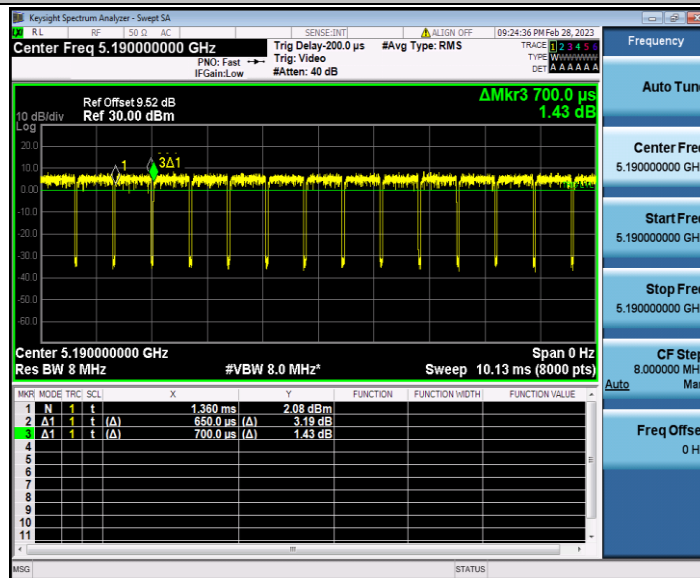
11AC20SISO_Ant2_5200



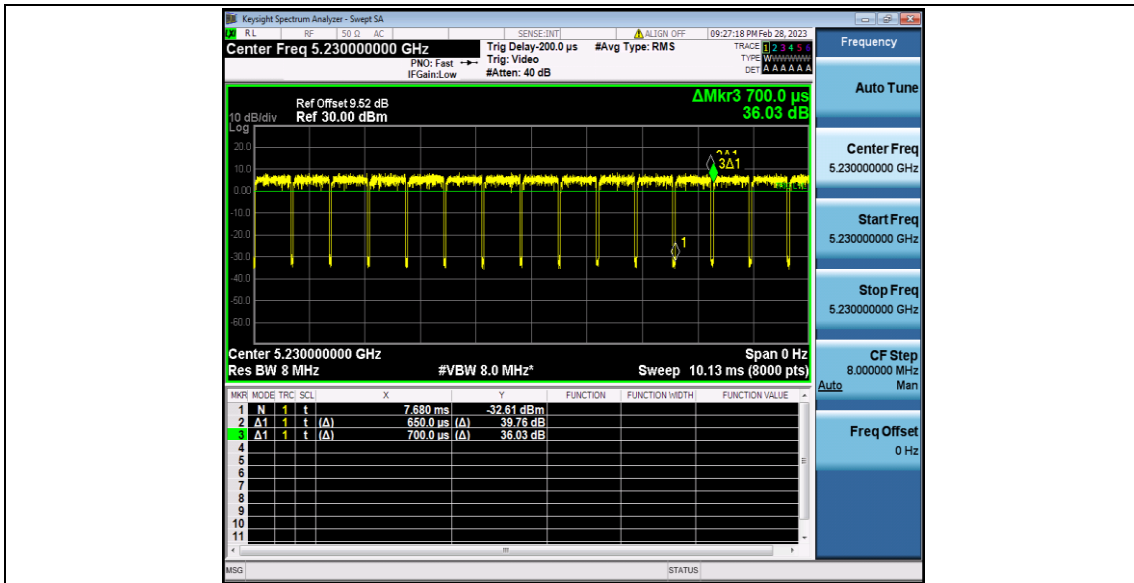
11AC20SISO_Ant2_5240



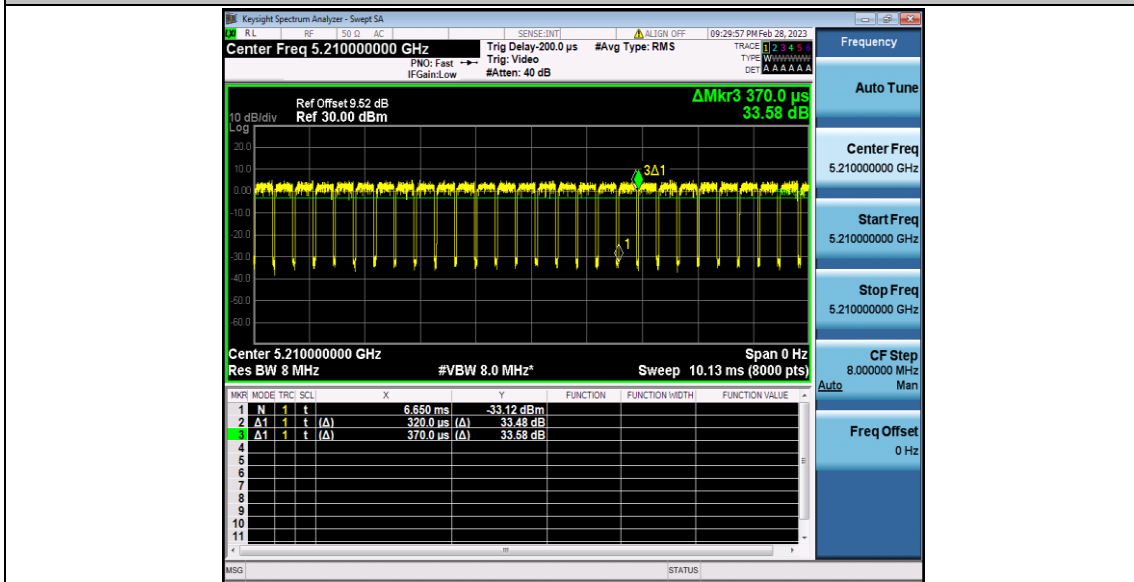
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	12.15	96.53	0.15	12.30	≤23.98	PASS
		5200	12.31	97.20	0.12	12.43	≤23.98	PASS
		5240	11.93	97.20	0.12	12.05	≤23.98	PASS
11N20SISO	Ant2	5180	9.64	97.01	0.13	9.77	≤23.98	PASS
		5200	9.76	96.30	0.16	9.92	≤23.98	PASS
		5240	9.91	96.30	0.16	10.07	≤23.98	PASS
11N40SISO	Ant2	5190	10.37	92.75	0.33	10.70	≤23.98	PASS
		5230	10.53	92.75	0.33	10.86	≤23.98	PASS
11AC20SISO	Ant2	5180	11.74	97.06	0.13	11.87	≤23.98	PASS
		5200	11.80	97.04	0.13	11.93	≤23.98	PASS
		5240	11.87	97.04	0.13	12.00	≤23.98	PASS
11AC40SISO	Ant2	5190	10.60	92.86	0.32	10.92	≤23.98	PASS
		5230	10.70	92.86	0.32	11.02	≤23.98	PASS
11AC80SISO	Ant2	5210	10.04	86.49	0.63	10.67	≤23.98	PASS

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

Appendix D.5: Maximum power spectral density

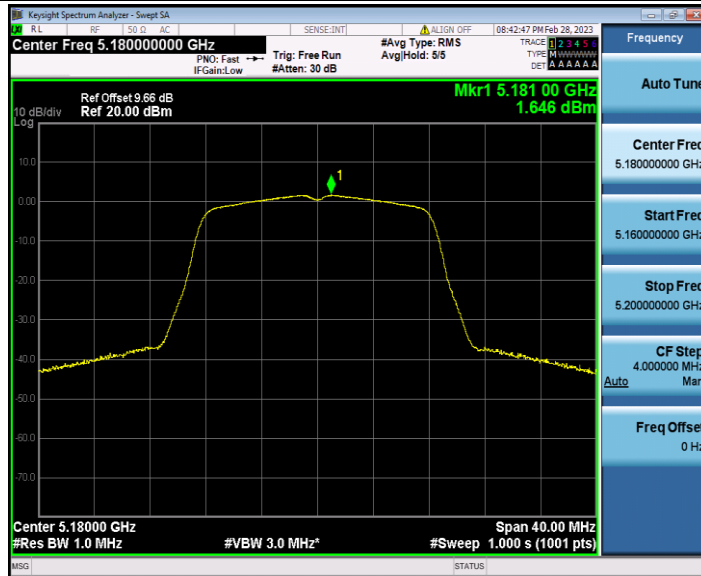
Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	1.65	≤11.00	PASS
		5200	1.83	≤11.00	PASS
		5240	1.56	≤11.00	PASS
11N20SISO	Ant2	5180	-0.94	≤11.00	PASS
		5200	-0.87	≤11.00	PASS
		5240	-0.62	≤11.00	PASS
11N40SISO	Ant2	5190	-2.86	≤11.00	PASS
		5230	-2.71	≤11.00	PASS
11AC20SISO	Ant2	5180	1.13	≤11.00	PASS
		5200	1.22	≤11.00	PASS
		5240	1.27	≤11.00	PASS
11AC40SISO	Ant2	5190	-2.68	≤11.00	PASS
		5230	-2.55	≤11.00	PASS
11AC80SISO	Ant2	5210	-5.72	≤11.00	PASS

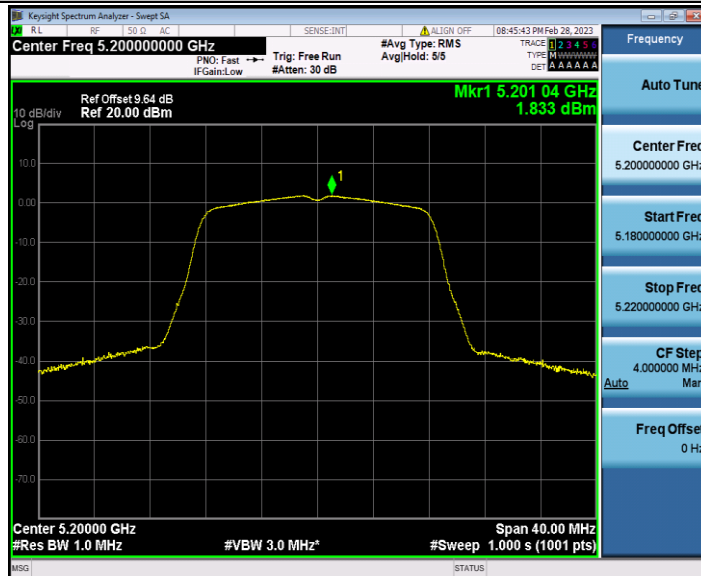
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant2_5180



11A_Ant2_5200



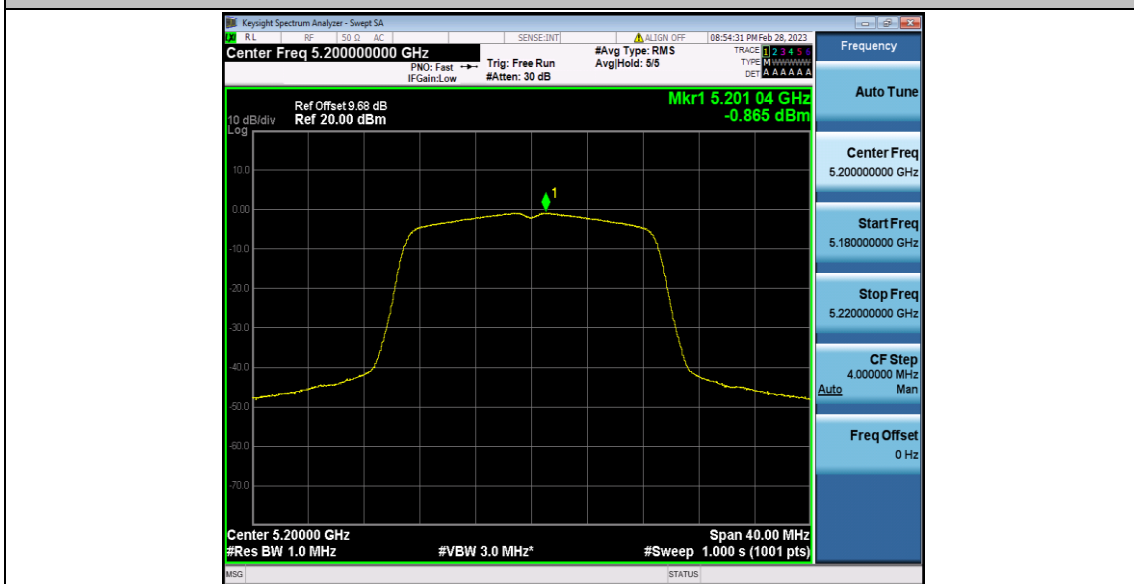
11A_Ant2_5240



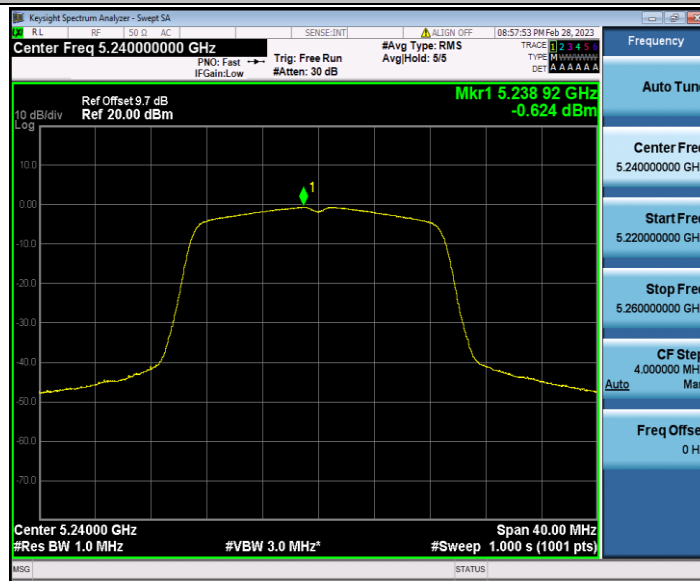
11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



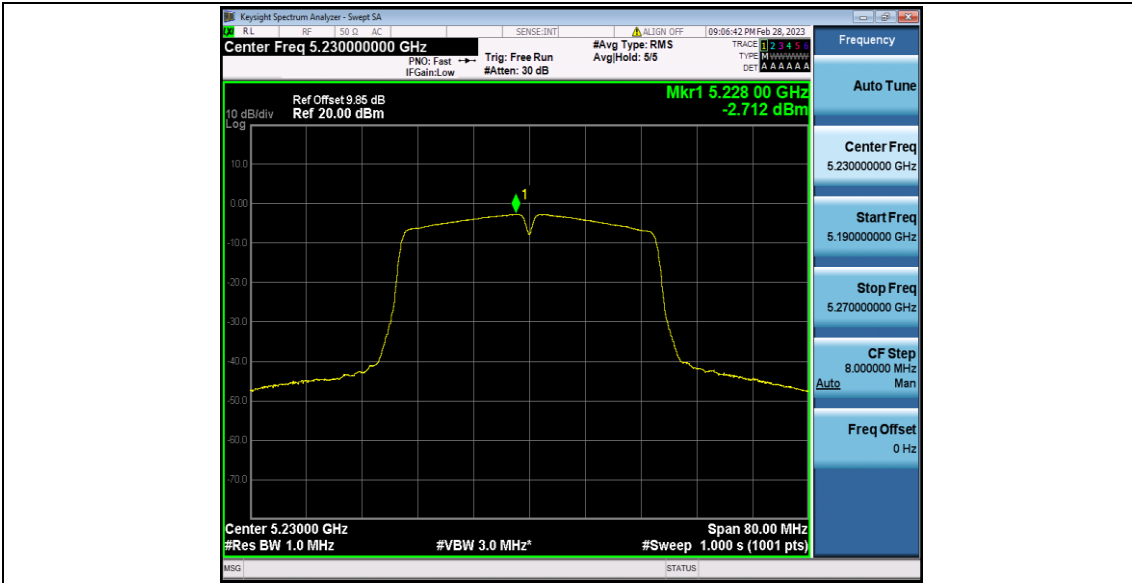
11N20SISO_Ant2_5240



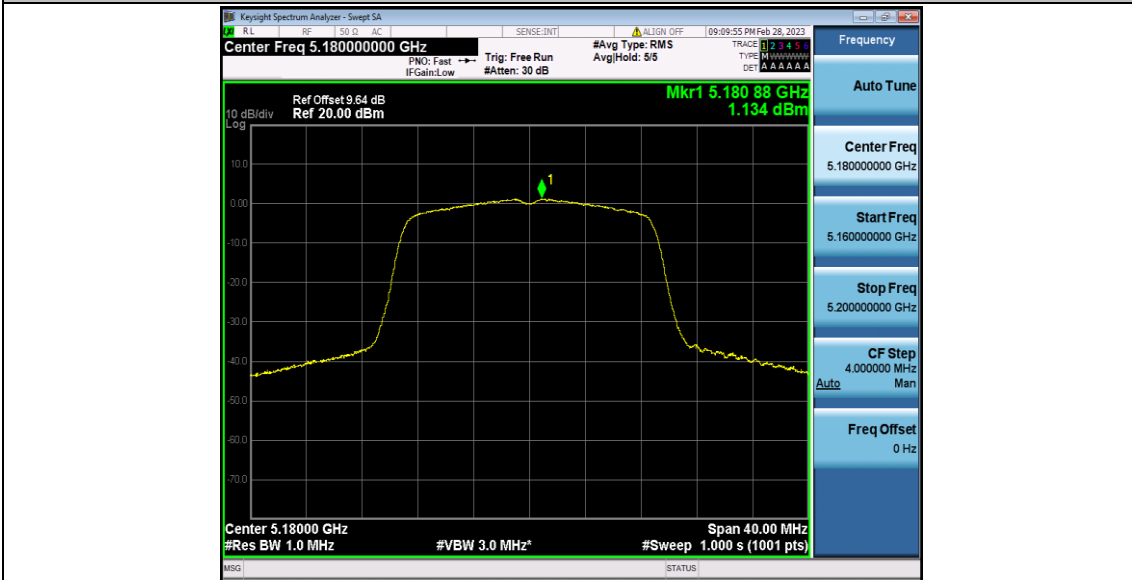
11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200

