

Case No. : <u>GTS20241129021-1-05</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.2.7</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	20.480	5169.880	5190.360	---	---
		5200	20.440	5189.920	5210.360	---	---
		5240	20.200	5230.120	5250.320	---	---
11N20SISO	Ant0	5180	20.640	5169.880	5190.520	---	---
		5200	20.520	5189.840	5210.360	---	---
		5240	20.520	5229.800	5250.320	---	---
11N40SISO	Ant0	5190	39.920	5170.240	5210.160	---	---
		5230	39.840	5210.400	5250.240	---	---
11AC20SISO	Ant0	5180	19.520	5170.200	5189.720	---	---
		5200	19.280	5190.360	5209.640	---	---
		5240	19.320	5230.320	5249.640	---	---
11AC40SISO	Ant0	5190	38.320	5170.880	5209.200	---	---
		5230	38.880	5210.720	5249.600	---	---
11AC80SISO	Ant0	5210	80.960	5170.320	5251.280	---	---
11AX20SISO	Ant0	5180	19.880	5170.040	5189.920	---	---
		5200	19.840	5190.120	5209.960	---	---
		5240	19.880	5230.040	5249.920	---	---
11AX40SISO	Ant0	5190	39.200	5170.400	5209.600	---	---
		5230	39.120	5210.480	5249.600	---	---
11AX80SISO	Ant0	5210	82.240	5169.200	5251.440	---	---

Test Graphs

11A_Ant0_5180



11A_Ant0_5200



11A_Ant0_5240



11N20SISO_Ant0_5180



11N20SISO_Ant0_5200



11N20SISO_Ant0_5240



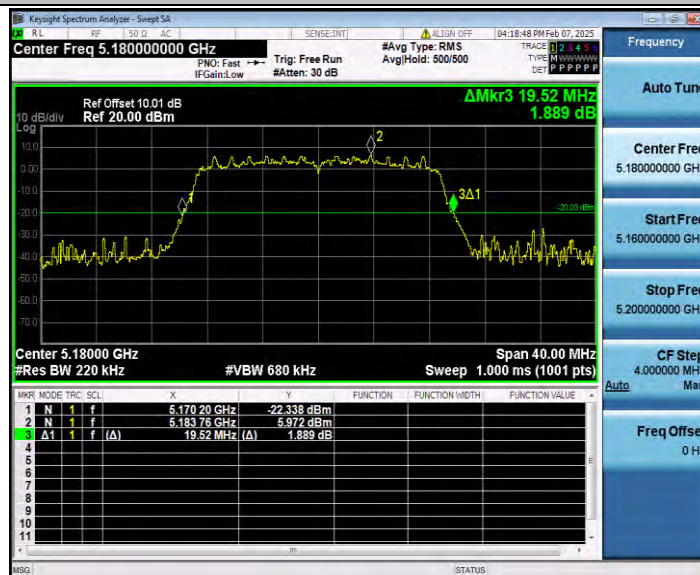
11N40SISO_Ant0_5190



11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180



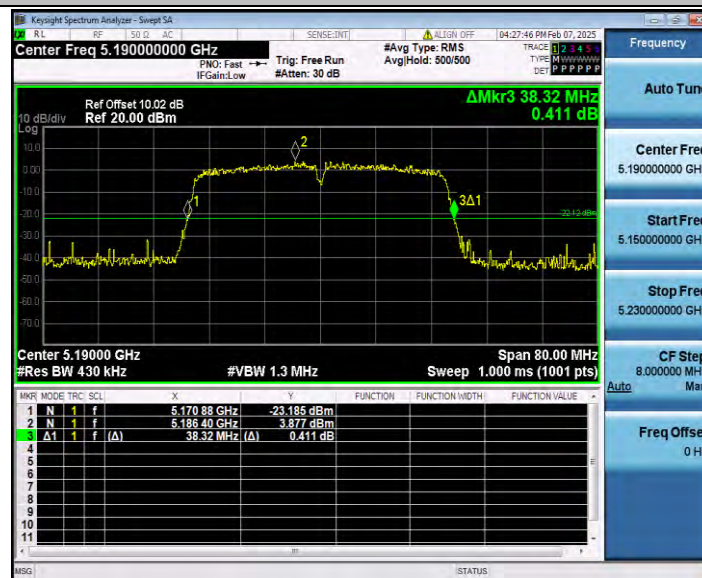
11AC20SISO_Ant0_5200



11AC20SISO_Ant0_5240



11AC40SISO_Ant0_5190



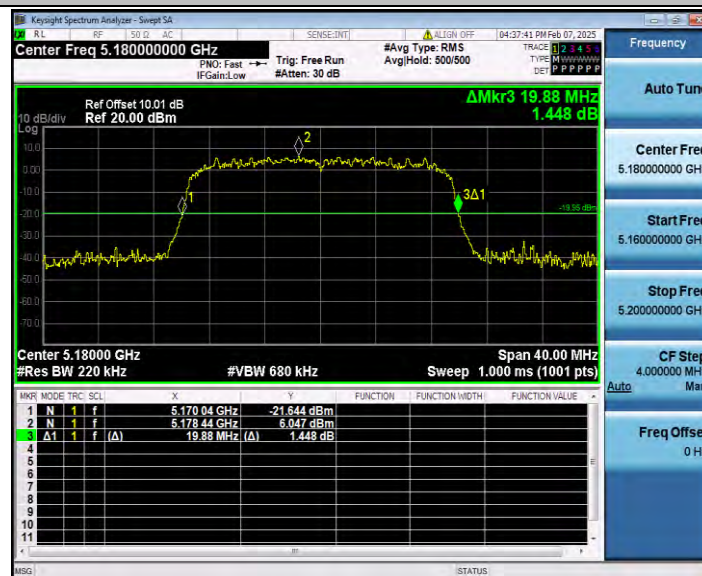
11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210



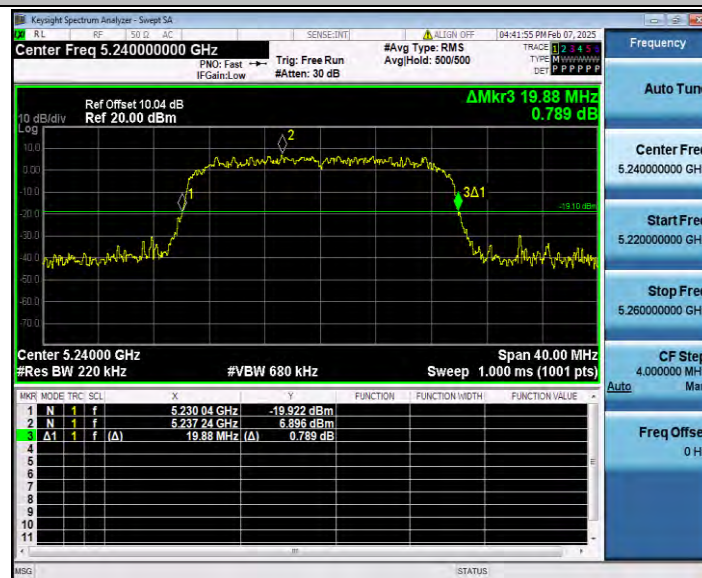
11AX20SISO_Ant0_5180



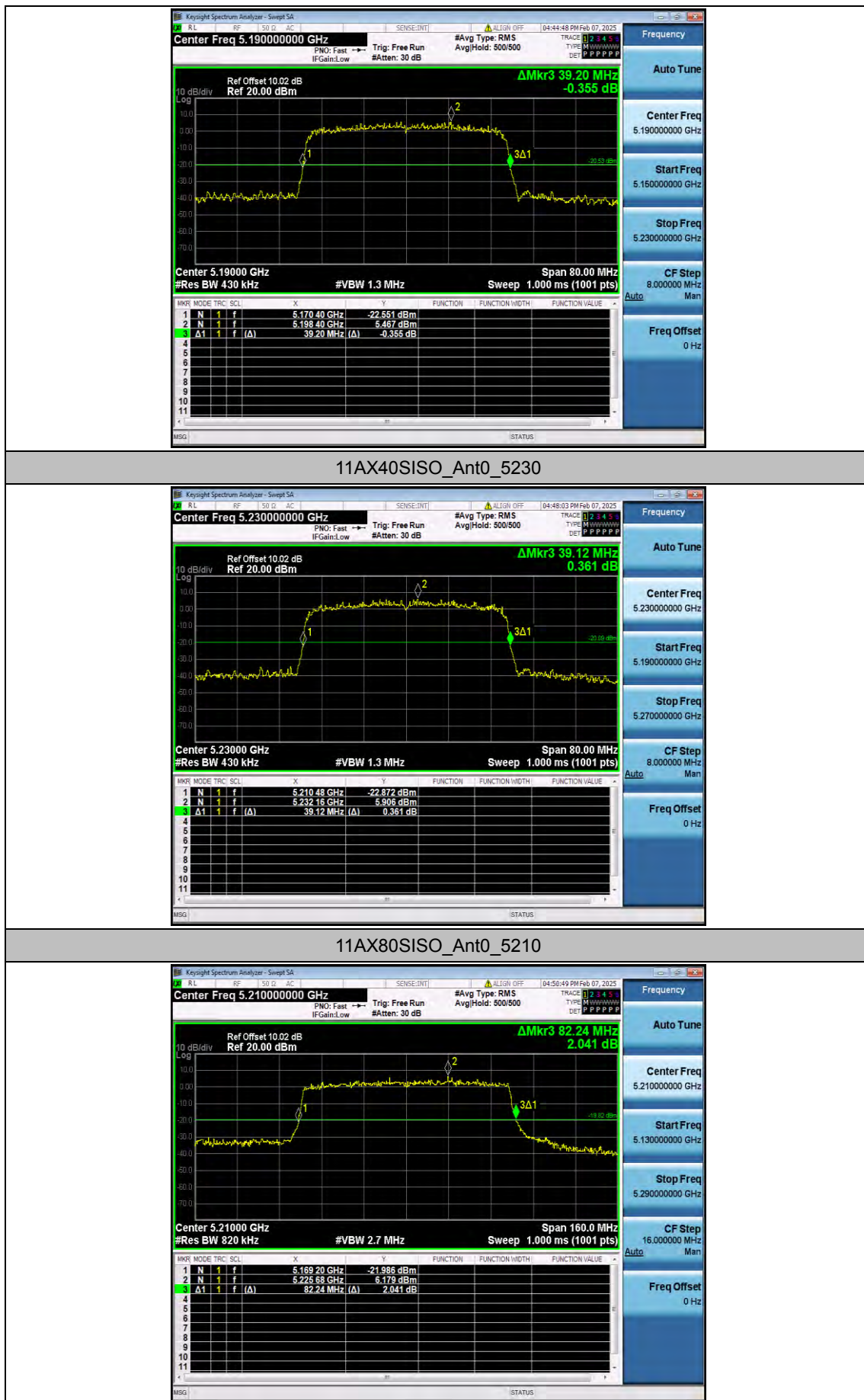
11AX20SISO_Ant0_5200



11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190



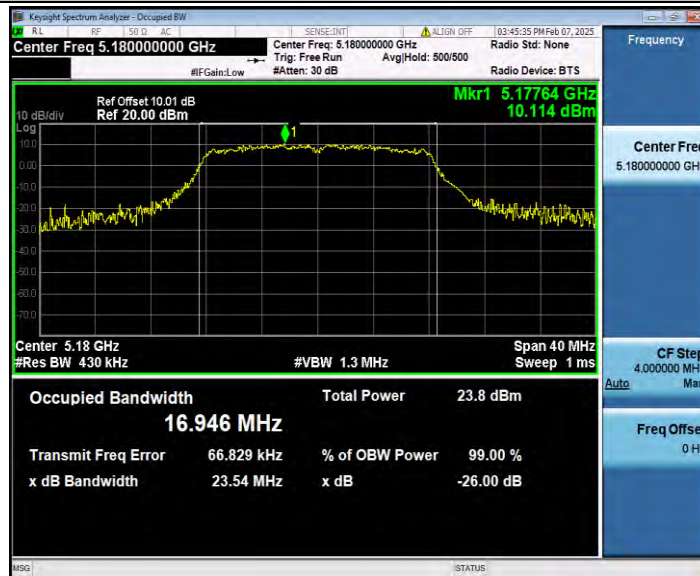
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	16.946	5171.5938	5188.5398	---	---
		5200	16.909	5191.6390	5208.5480	---	---
		5240	16.930	5231.5800	5248.5100	---	---
11N20SISO	Ant0	5180	17.860	5171.1064	5188.9664	---	---
		5200	17.844	5191.1142	5208.9582	---	---
		5240	17.848	5231.0798	5248.9278	---	---
11N40SISO	Ant0	5190	36.409	5171.8796	5208.2886	---	---
		5230	35.899	5212.1387	5248.0377	---	---
11AC20SISO	Ant0	5180	17.474	5171.2916	5188.7656	---	---
		5200	17.430	5191.2905	5208.7205	---	---
		5240	17.456	5231.2909	5248.7469	---	---
11AC40SISO	Ant0	5190	35.544	5172.2933	5207.8373	---	---
		5230	35.611	5212.3382	5247.9492	---	---
11AC80SISO	Ant0	5210	75.688	5172.5259	5248.2139	---	---
11AX20SISO	Ant0	5180	18.255	5170.8945	5189.1495	---	---
		5200	18.321	5190.8807	5209.2017	---	---
		5240	18.359	5230.8844	5249.2434	---	---
11AX40SISO	Ant0	5190	36.502	5171.8198	5208.3218	---	---
		5230	36.582	5211.7027	5248.2847	---	---
11AX80SISO	Ant0	5210	77.108	5171.6957	5248.8037	---	---

Test Graphs

11A_Ant0_5180



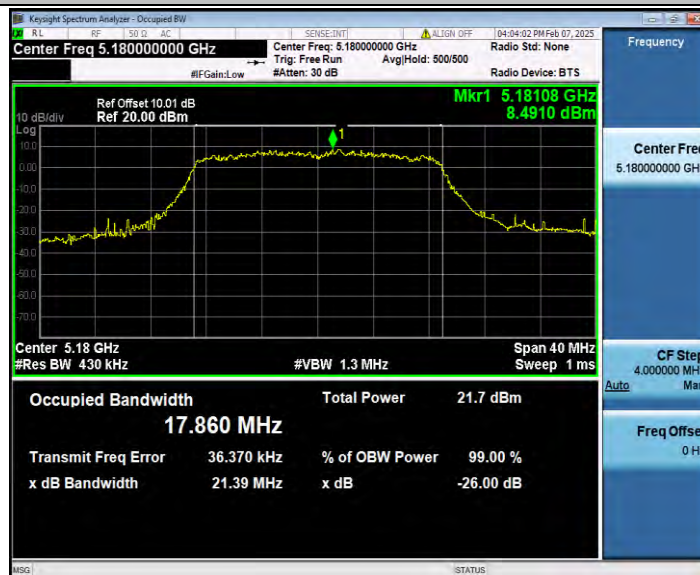
11A_Ant0_5200



11A_Ant0_5240



11N20SISO_Ant0_5180



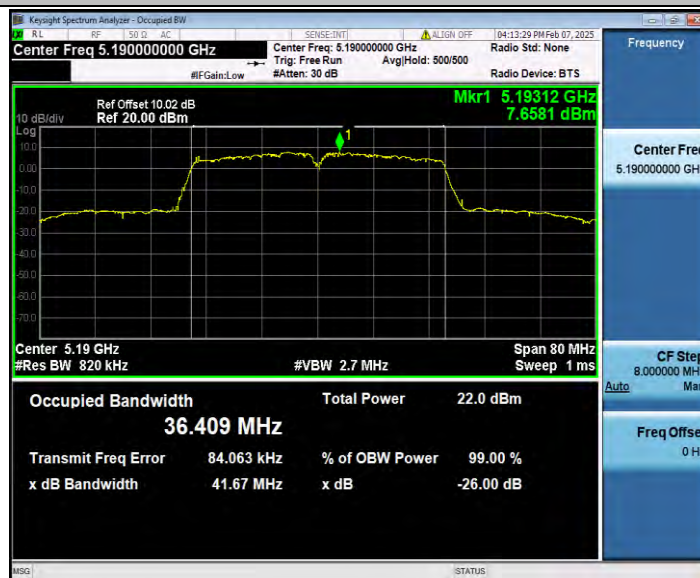
11N20SISO_Ant0_5200



11N20SISO_Ant0_5240



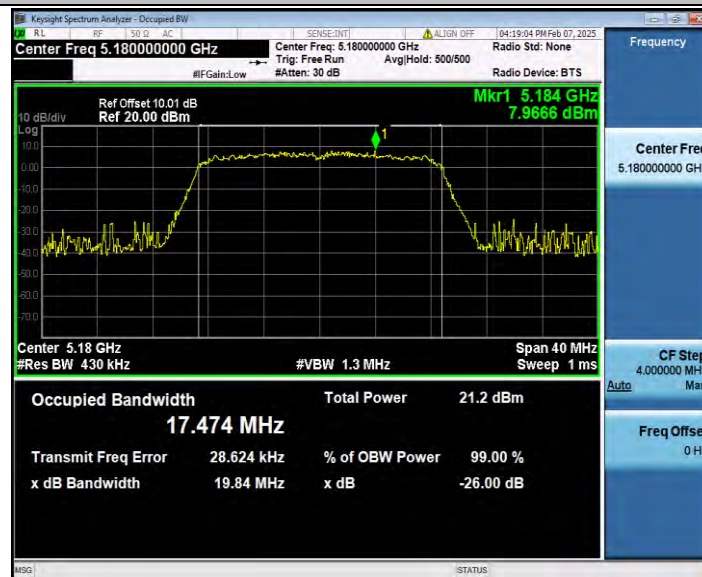
11N40SISO_Ant0_5190



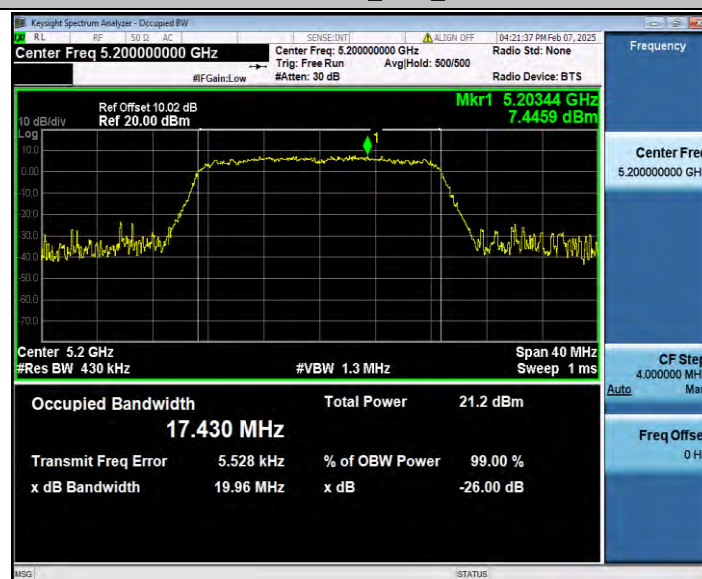
11N40SISO_Ant0_5230



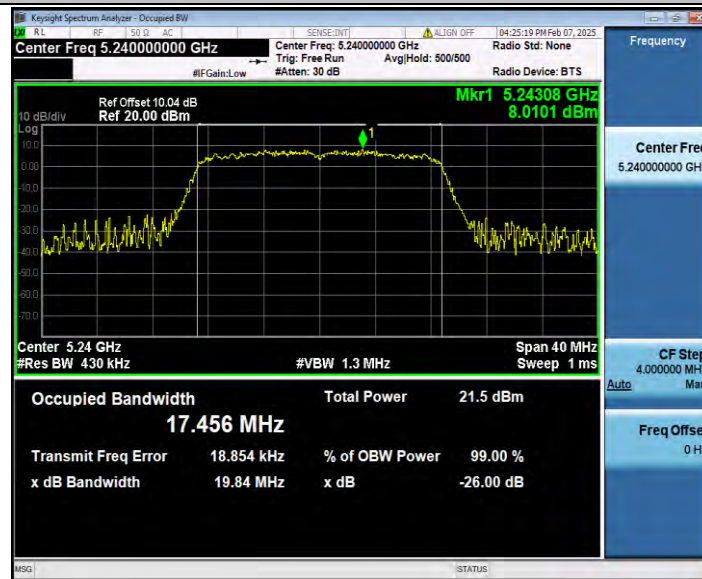
11AC20SISO_Ant0_5180



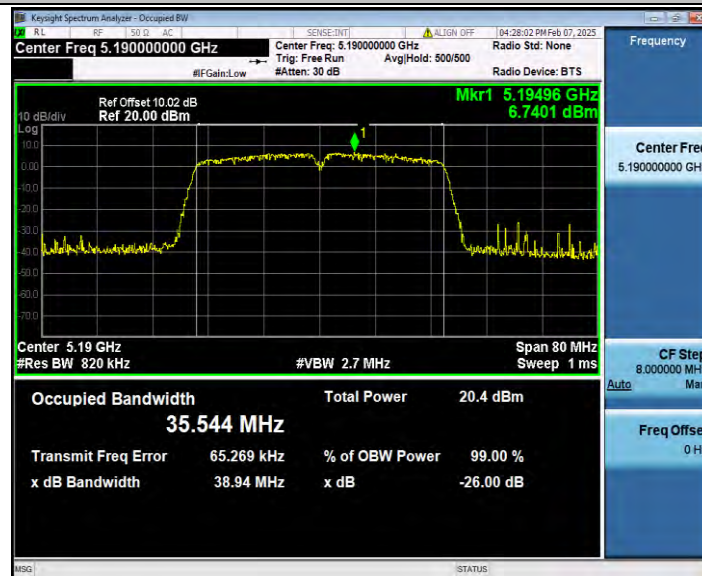
11AC20SISO_Ant0_5200



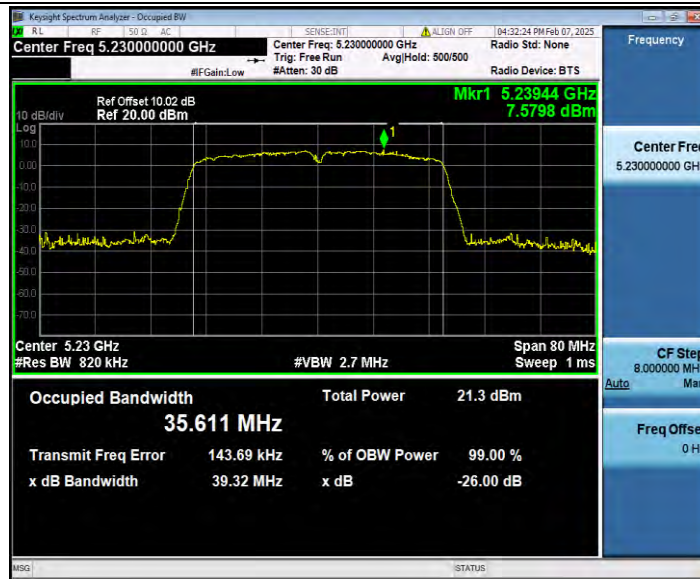
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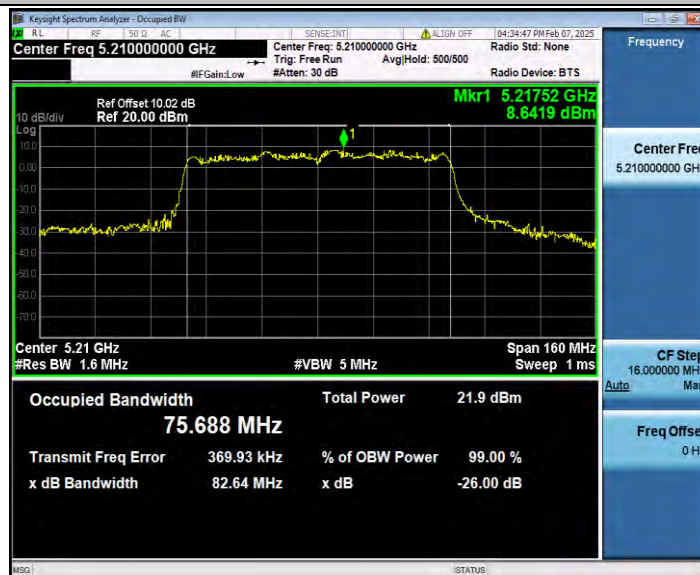
11AC40SISO_Ant0_5190



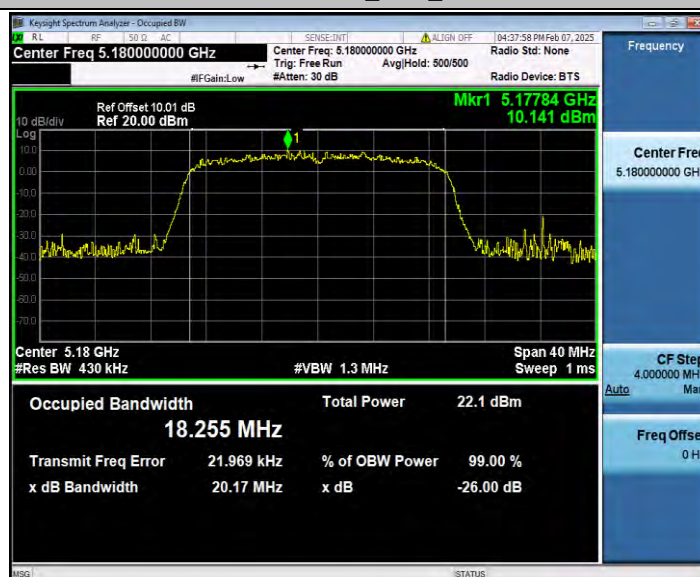
11AC40SISO_Ant0_5230



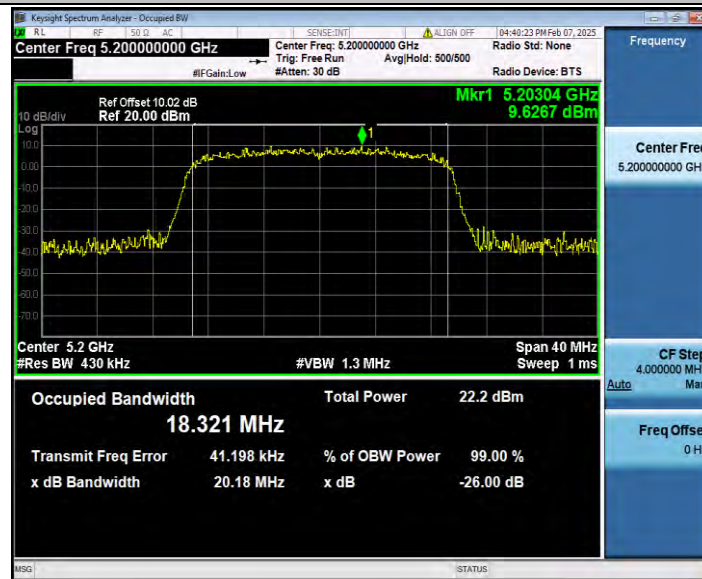
11AC80SISO_Ant0_5210



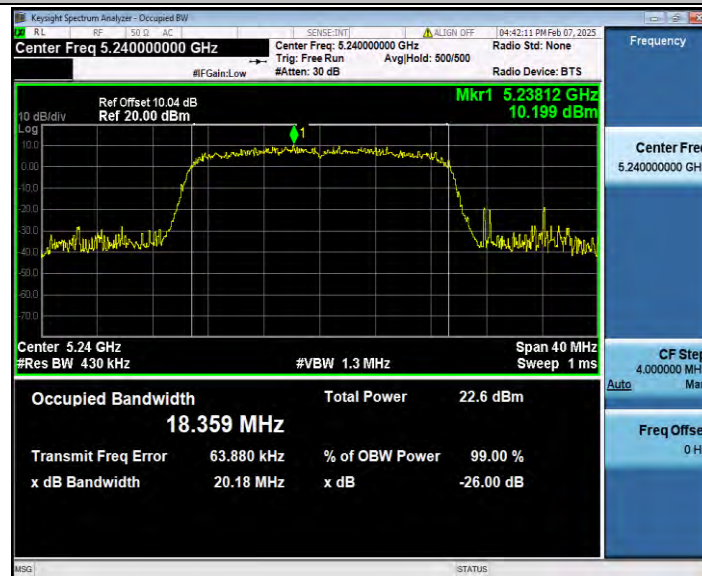
11AX20SISO_Ant0_5180



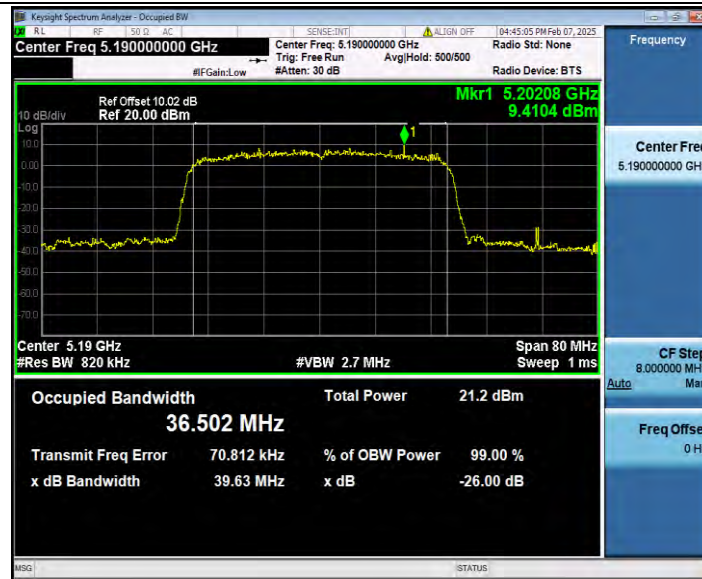
11AX20SISO_Ant0_5200



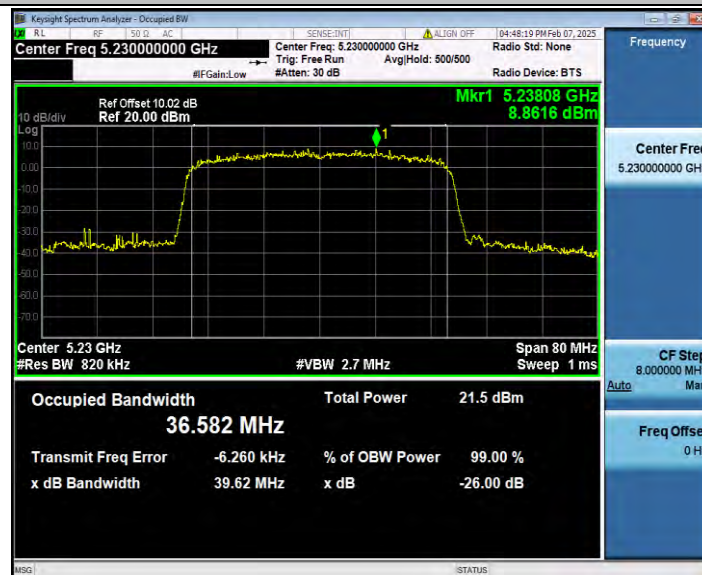
11AX20SISO_Ant0_5240



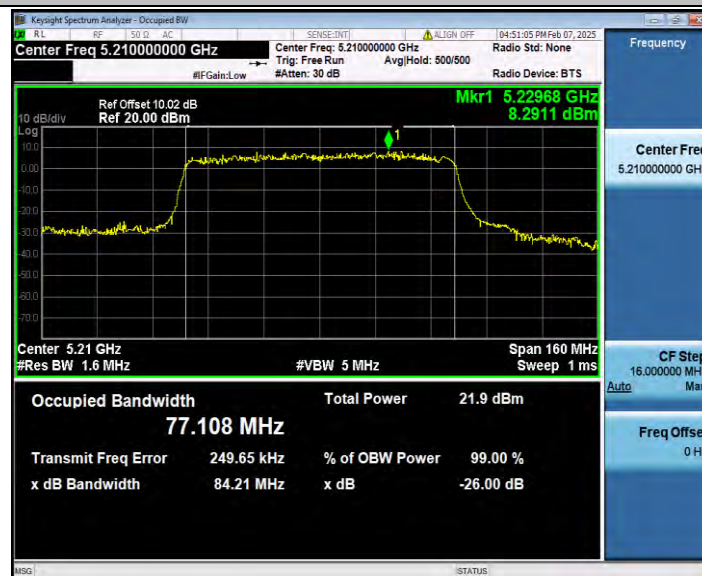
11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



11AX80SISO_Ant0_5210

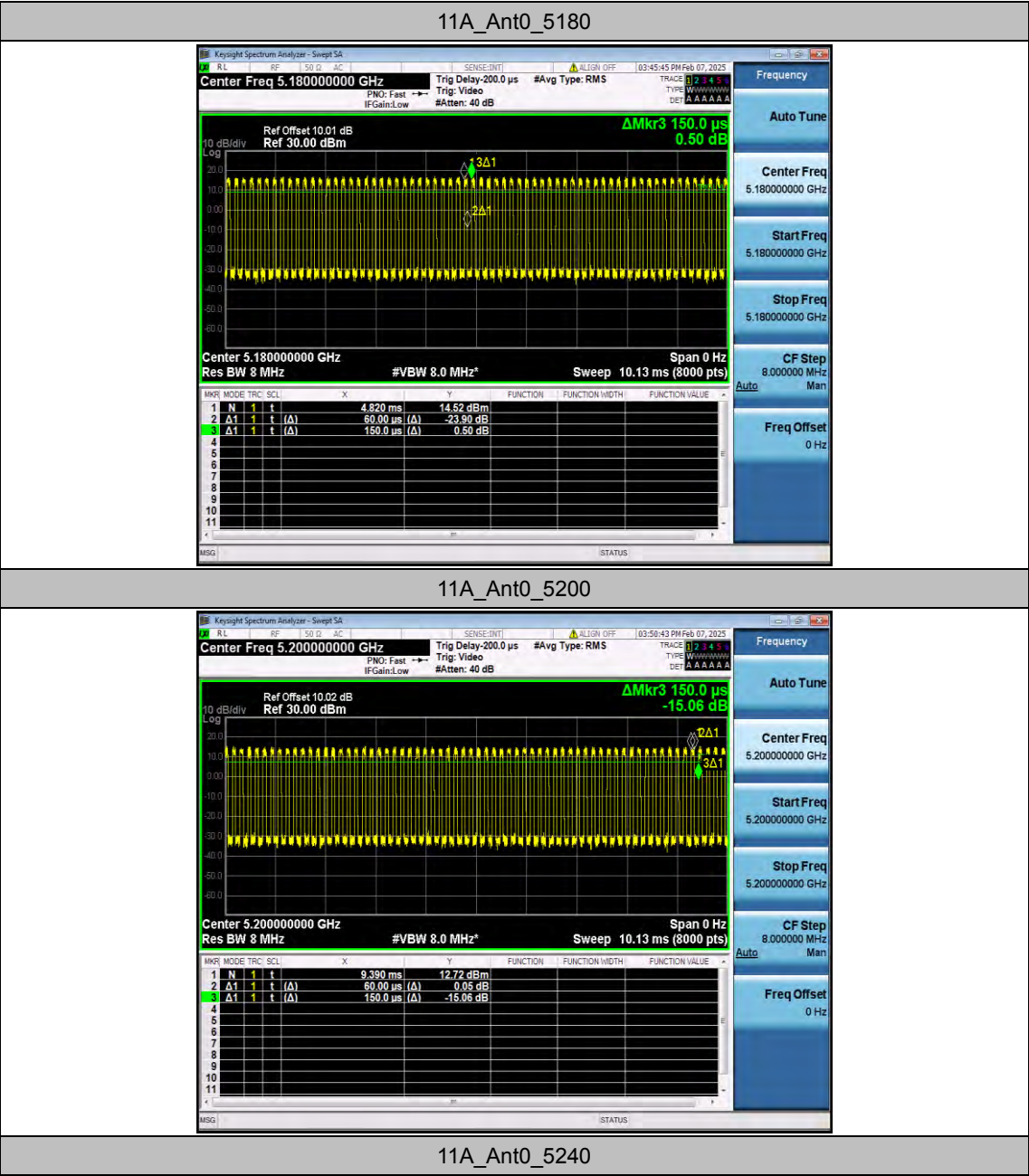


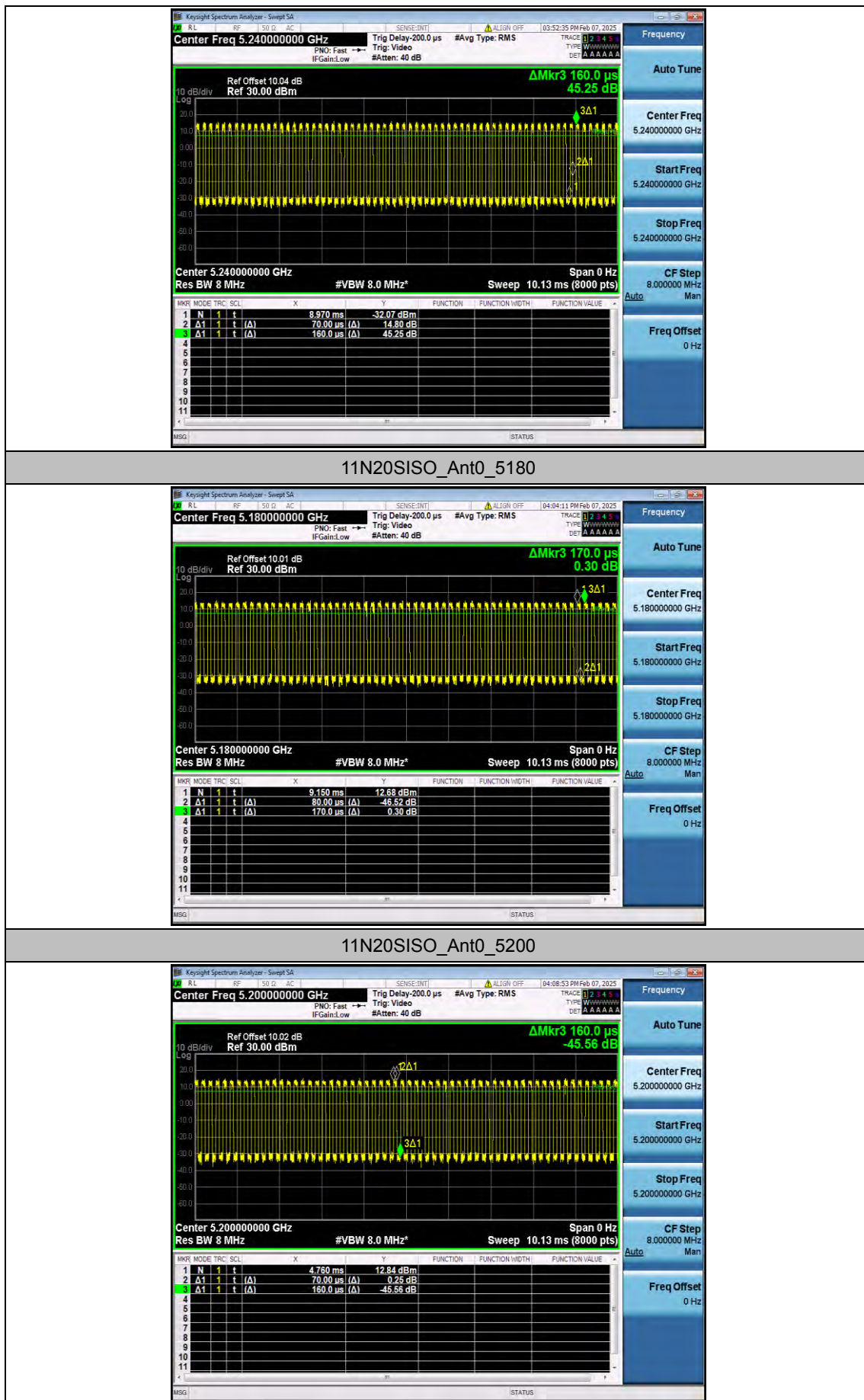
Appendix D.3: Duty Cycle

Test Result

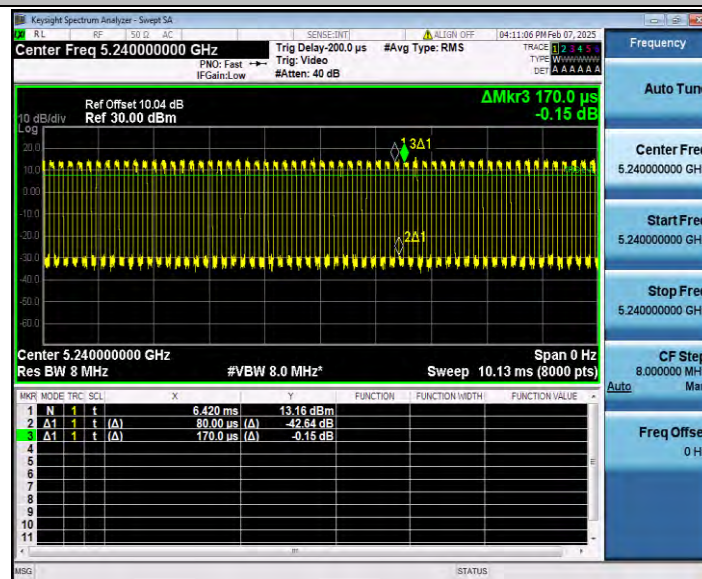
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant0	5180	0.06	0.15	40.00	3.98	16.67
		5200	0.06	0.15	40.00	3.98	16.67
		5240	0.07	0.16	43.75	3.59	14.29
11N20SISO	Ant0	5180	0.08	0.17	47.06	3.27	12.50
		5200	0.07	0.16	43.75	3.59	14.29
		5240	0.08	0.17	47.06	3.27	12.50
11N40SISO	Ant0	5190	0.05	0.14	35.71	4.47	20.00
		5230	0.06	0.15	40.00	3.98	16.67
11AC20SISO	Ant0	5180	0.09	0.18	50.00	3.01	11.11
		5200	0.08	0.17	47.06	3.27	12.50
		5240	0.09	0.18	50.00	3.01	11.11
11AC40SISO	Ant0	5190	3.99	4.04	98.76	0.05	0.25
		5230	0.06	0.15	40.00	3.98	16.67
11AC80SISO	Ant0	5210	0.05	0.14	35.71	4.47	20.00
11AX20SISO	Ant0	5180	0.09	0.18	50.00	3.01	11.11
		5200	0.08	0.17	47.06	3.27	12.50
		5240	0.09	0.18	50.00	3.01	11.11
11AX40SISO	Ant0	5190	0.08	0.17	47.06	3.27	12.50
		5230	0.08	0.17	47.06	3.27	12.50
11AX80SISO	Ant0	5210	0.08	0.17	47.06	3.27	12.50

Test Graphs

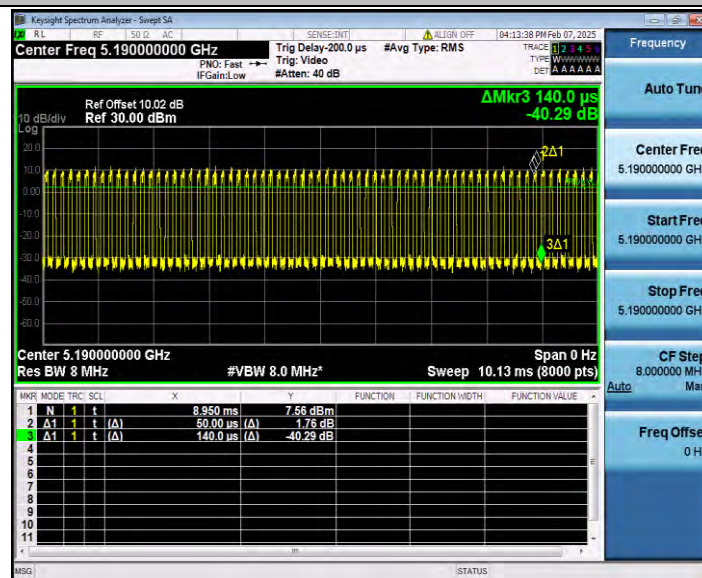




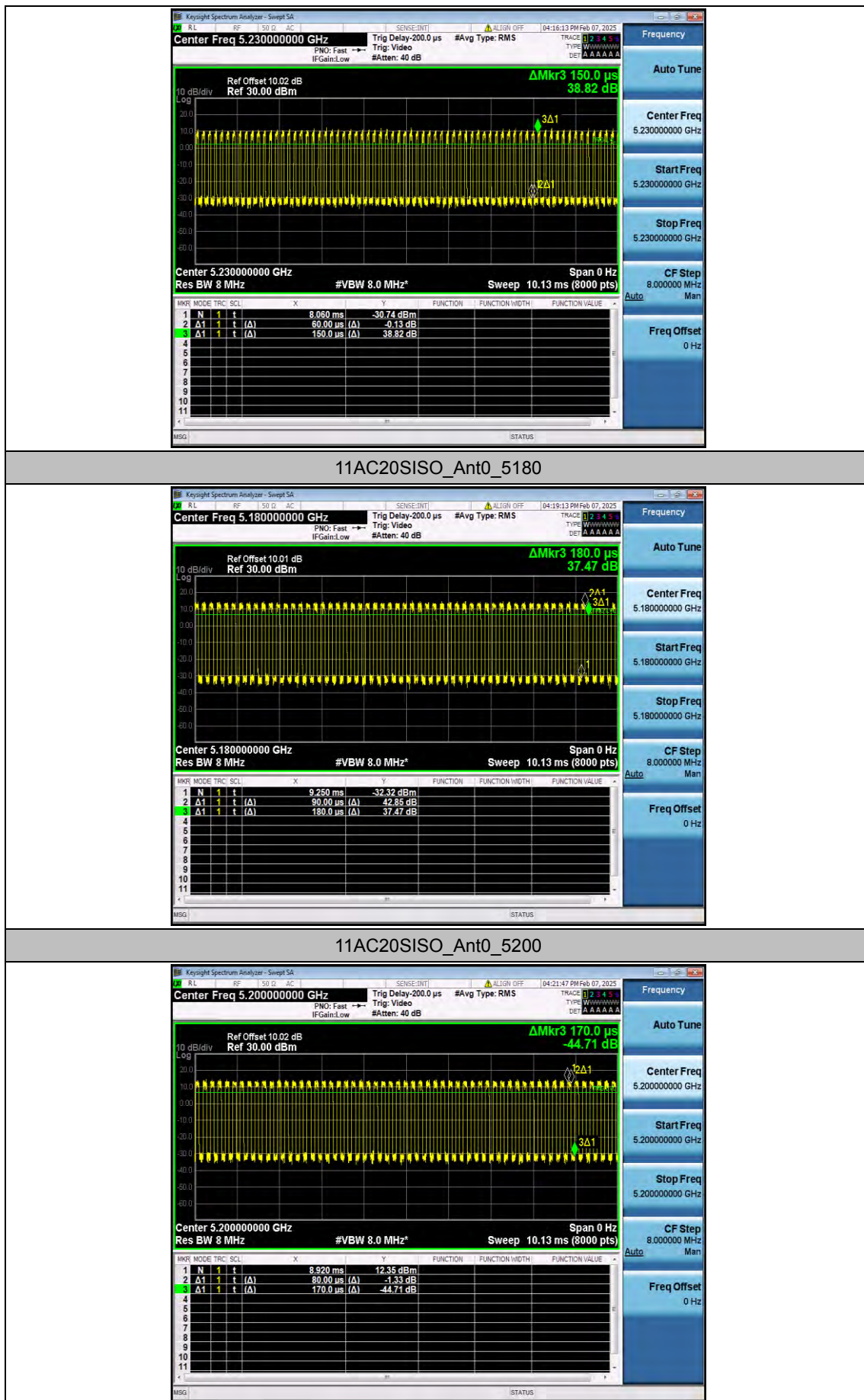
11N20SISO_Ant0_5240

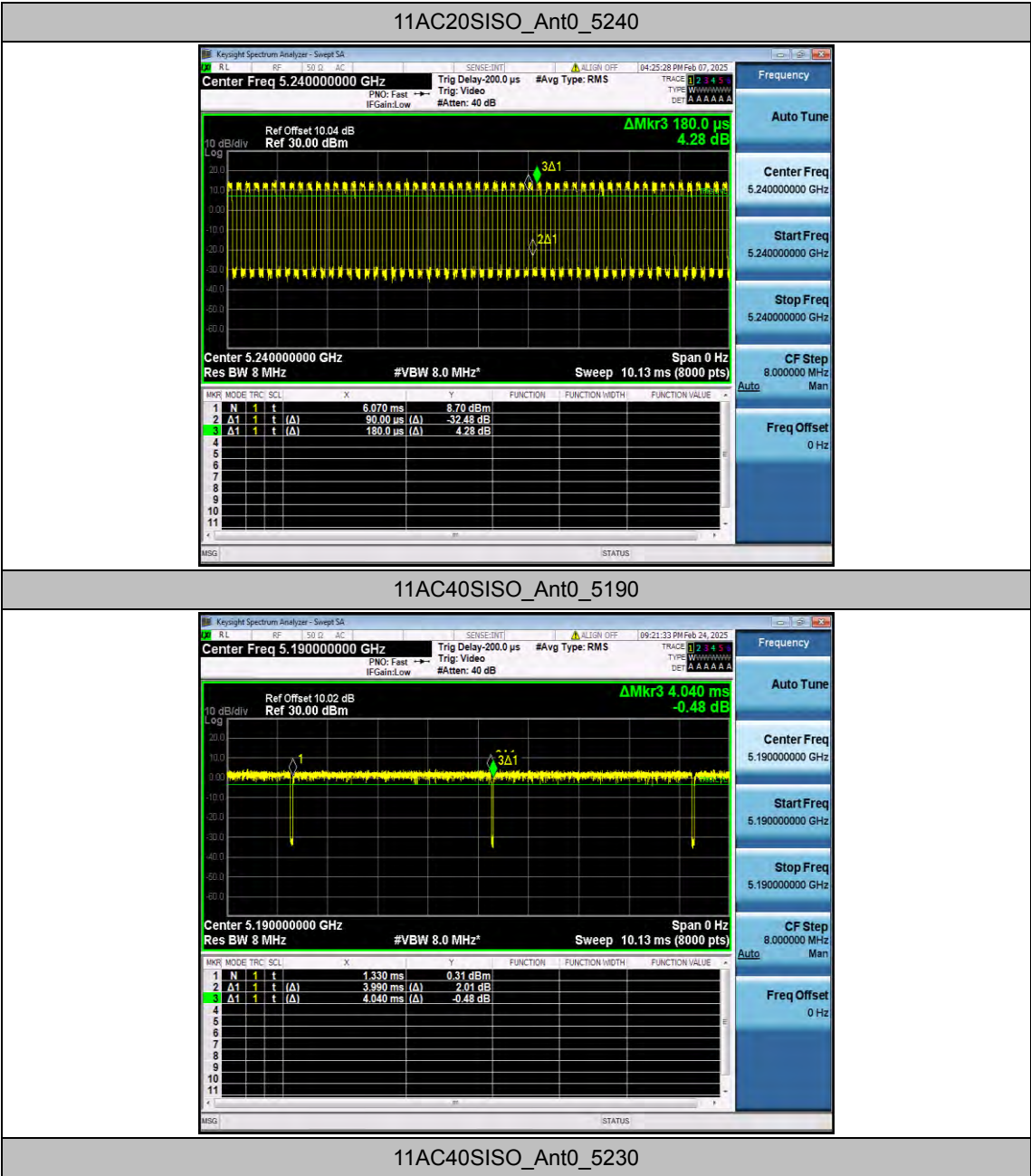


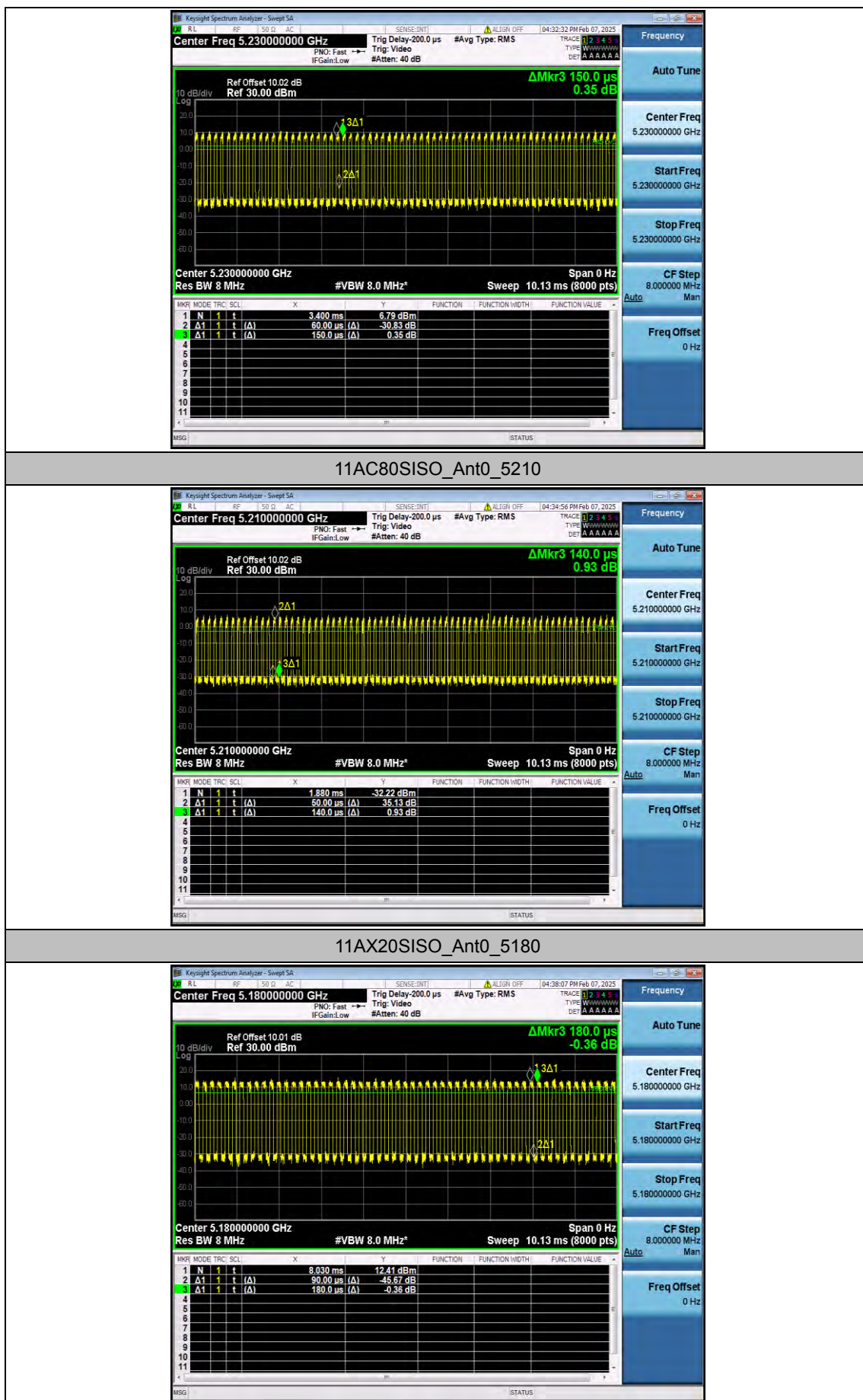
11N40SISO_Ant0_5190



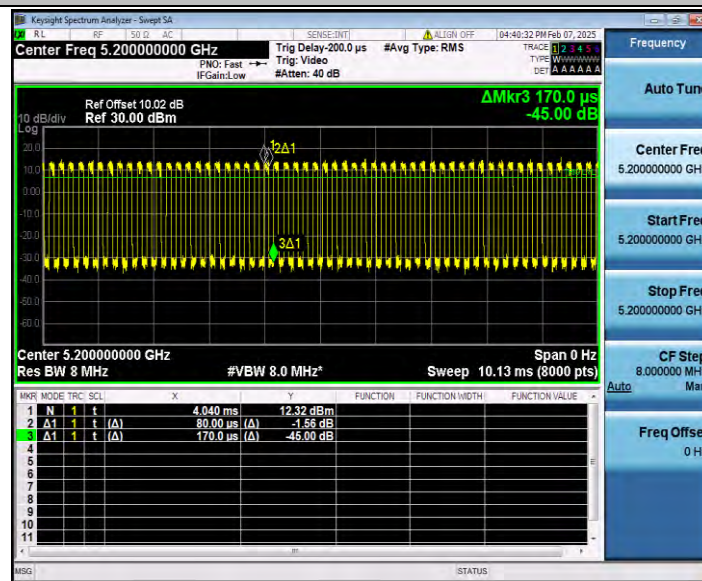
11N40SISO_Ant0_5230



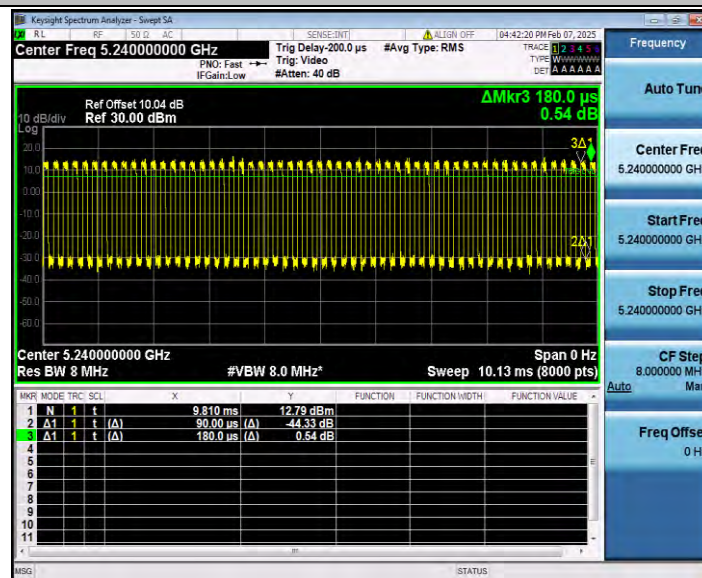




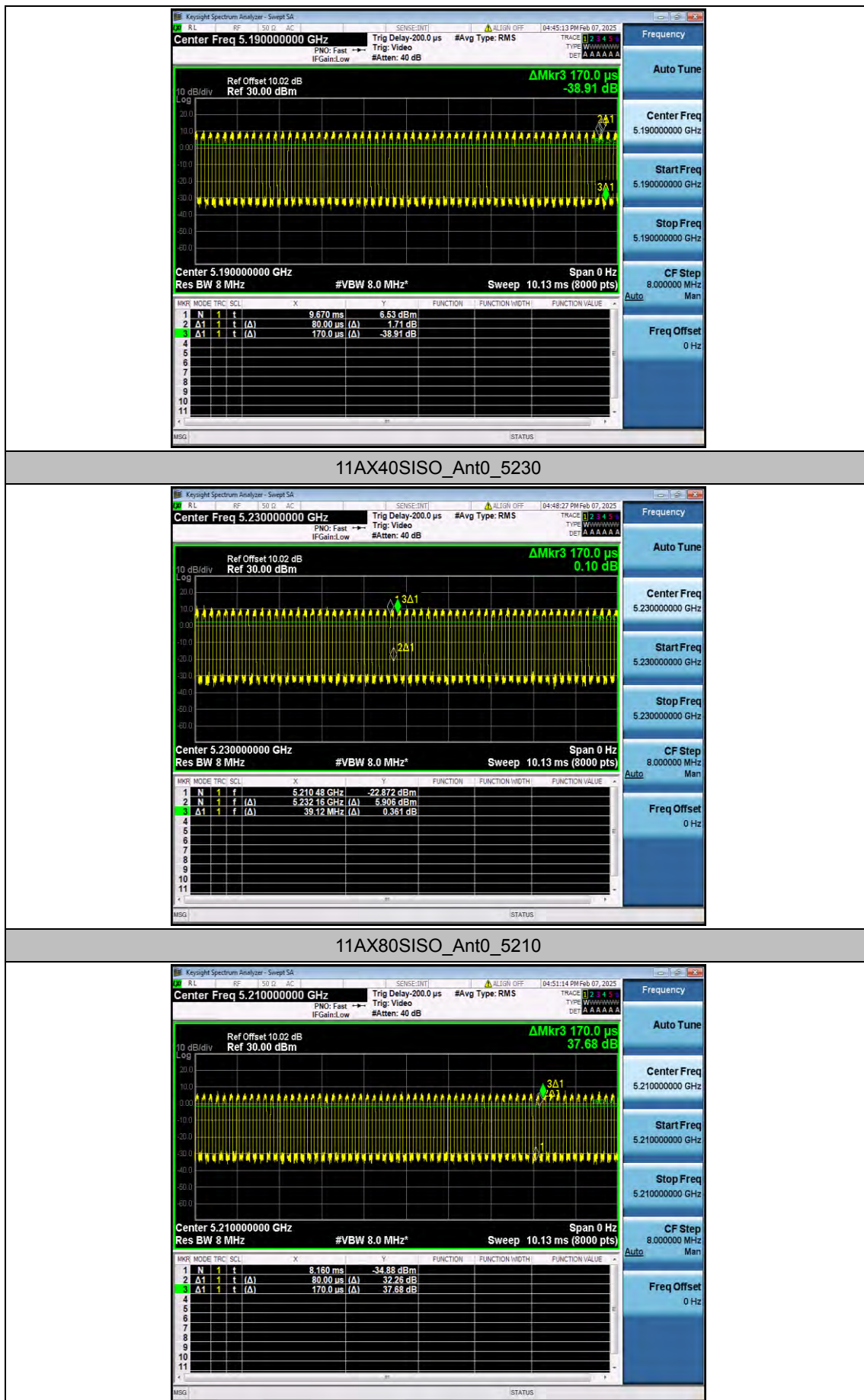
11AX20SISO_Ant0_5200



11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190



Appendix D.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	Ant0	5180	13.79	40.00	3.98	17.77	≤23.98	PASS
		5200	12.00	40.00	3.98	15.98	≤23.98	PASS
		5240	12.25	43.75	3.59	15.84	≤23.98	PASS
11N20SISO	Ant0	5180	12.45	47.06	3.27	15.72	≤23.98	PASS
		5200	12.49	43.75	3.59	16.08	≤23.98	PASS
		5240	12.76	47.06	3.27	16.03	≤23.98	PASS
11N40SISO	Ant0	5190	11.06	35.71	4.47	15.53	≤23.98	PASS
		5230	11.12	40.00	3.98	15.10	≤23.98	PASS
11AC20SISO	Ant0	5180	12.04	50.00	3.01	15.05	≤23.98	PASS
		5200	12.05	47.06	3.27	15.32	≤23.98	PASS
		5240	12.43	50.00	3.01	15.44	≤23.98	PASS
11AC40SISO	Ant0	5190	10.40	98.76	0.05	10.45	≤23.98	PASS
		5230	10.64	40.00	3.98	14.62	≤23.98	PASS
11AC80SISO	Ant0	5210	10.11	35.71	4.47	14.58	≤23.98	PASS
11AX20SISO	Ant0	5180	12.03	50.00	3.01	15.04	≤23.98	PASS
		5200	12.11	47.06	3.27	15.38	≤23.98	PASS
		5240	12.44	50.00	3.01	15.45	≤23.98	PASS
11AX40SISO	Ant0	5190	10.54	47.06	3.27	13.81	≤23.98	PASS
		5230	10.79	47.06	3.27	14.06	≤23.98	PASS
11AX80SISO	Ant0	5210	10.69	47.06	3.27	13.96	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5180	6.97	≤11.00	PASS
		5200	5.15	≤11.00	PASS
		5240	5.10	≤11.00	PASS
11N20SISO	Ant0	5180	4.60	≤11.00	PASS
		5200	4.98	≤11.00	PASS
		5240	4.96	≤11.00	PASS
11N40SISO	Ant0	5190	1.98	≤11.00	PASS
		5230	1.61	≤11.00	PASS
11AC20SISO	Ant0	5180	4.28	≤11.00	PASS
		5200	4.41	≤11.00	PASS
		5240	4.68	≤11.00	PASS
11AC40SISO	Ant0	5190	-6.13	≤11.00	PASS
		5230	1.30	≤11.00	PASS
11AC80SISO	Ant0	5210	-2.30	≤11.00	PASS
11AX20SISO	Ant0	5180	4.12	≤11.00	PASS
		5200	4.43	≤11.00	PASS
		5240	4.62	≤11.00	PASS
11AX40SISO	Ant0	5190	0.02	≤11.00	PASS
		5230	0.49	≤11.00	PASS
11AX80SISO	Ant0	5210	-3.00	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

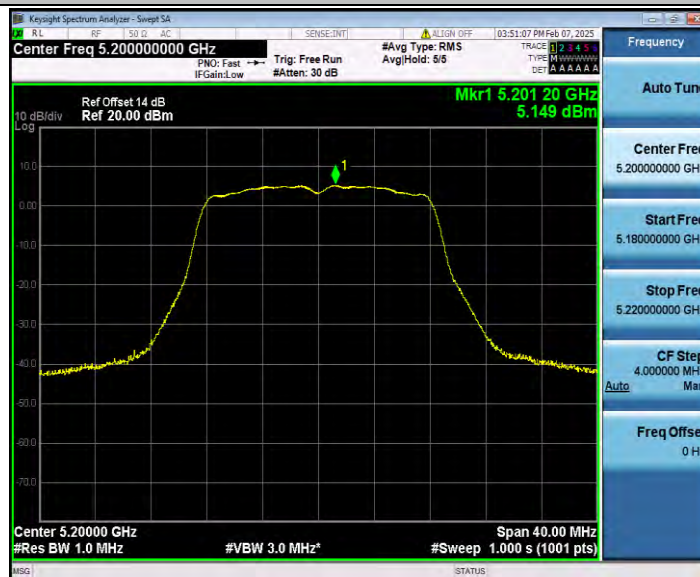
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

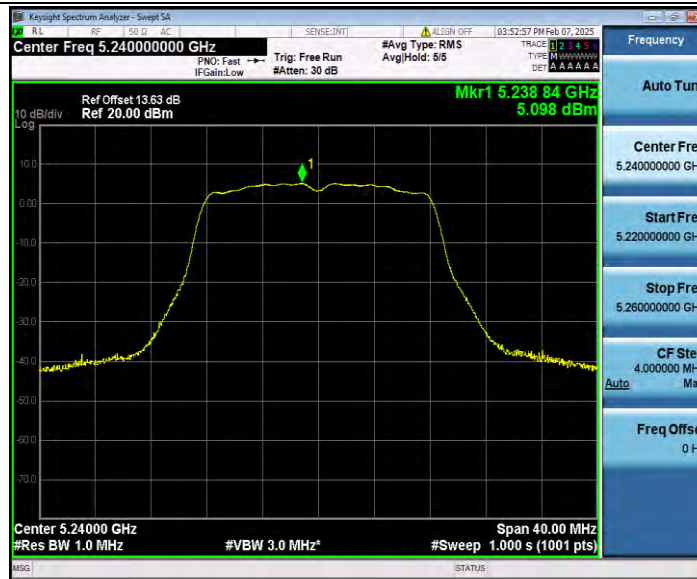
11A_Ant0_5180



11A_Ant0_5200



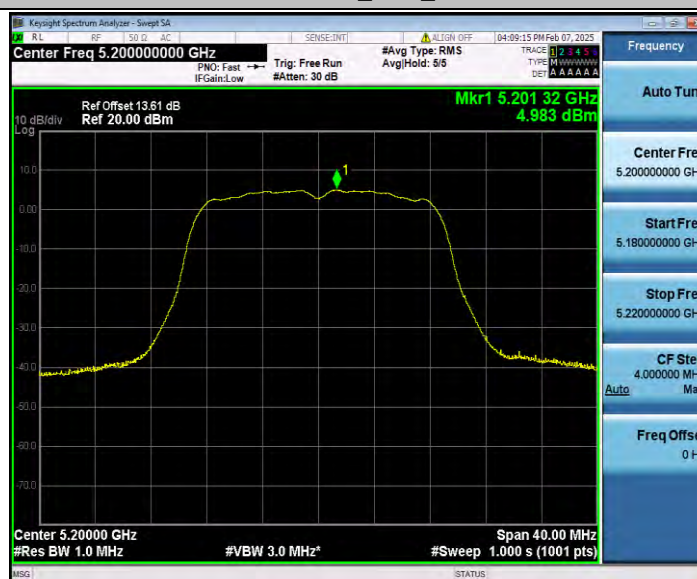
11A_Ant0_5240



11N20SISO_Ant0_5180



11N20SISO_Ant0_5200



11N20SISO_Ant0_5240



11N40SISO_Ant0_5190



11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180



11AC20SISO_Ant0_5200



11AC20SISO_Ant0_5240



11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210



11AX20SISO_Ant0_5180



11AX20SISO_Ant0_5200



11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



11AX80SISO_Ant0_5210

