

Case No. : <u>GTS20250716006-1-02</u>
Ambient Condition: <u>22</u> °C, <u>50</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.8.8-2025.8.20</u> Test Engineer: <u>Evan ouyang</u>

Appendix B.1: Emission Bandwidth

Test Result

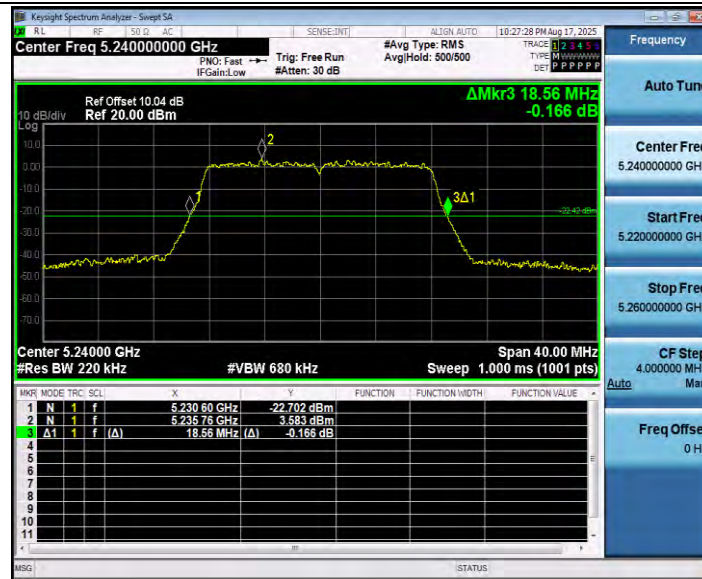
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.480	5170.680	5189.160	---	---
		5200	18.480	5190.640	5209.120	---	---
		5240	18.560	5230.600	5249.160	---	---
11N20SISO	Ant1	5180	19.360	5170.200	5189.560	---	---
		5200	19.520	5190.120	5209.640	---	---
		5240	19.320	5230.200	5249.520	---	---
11N40SISO	Ant1	5190	39.200	5170.400	5209.600	---	---
		5230	39.120	5210.320	5249.440	---	---
11AC20SISO	Ant1	5180	19.400	5170.200	5189.600	---	---
		5200	19.520	5190.120	5209.640	---	---
		5240	19.440	5230.160	5249.600	---	---
11AC40SISO	Ant1	5190	38.720	5170.560	5209.280	---	---
		5230	39.040	5210.320	5249.360	---	---
11AC80SISO	Ant1	5210	87.520	5166.800	5254.320	---	---
11AX20SISO	Ant1	5180	20.480	5169.640	5190.120	---	---
		5200	20.480	5189.640	5210.120	---	---
		5240	20.480	5229.640	5250.120	---	---
11AX40SISO	Ant1	5190	39.920	5169.920	5209.840	---	---
		5230	39.760	5210.000	5249.760	---	---
11AX80SISO	Ant1	5210	81.760	5169.360	5251.120	---	---

Test Graphs



11A_Ant1_5200

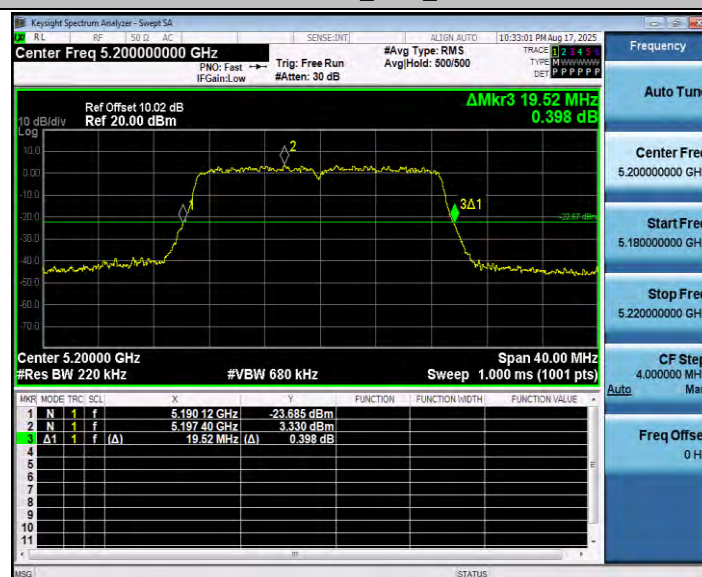
11A_Ant1_5240



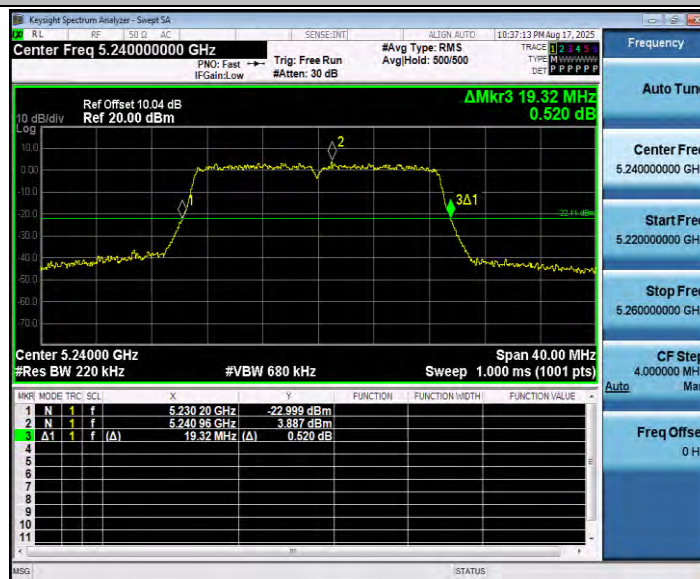
11N20SISO_Ant1_5180



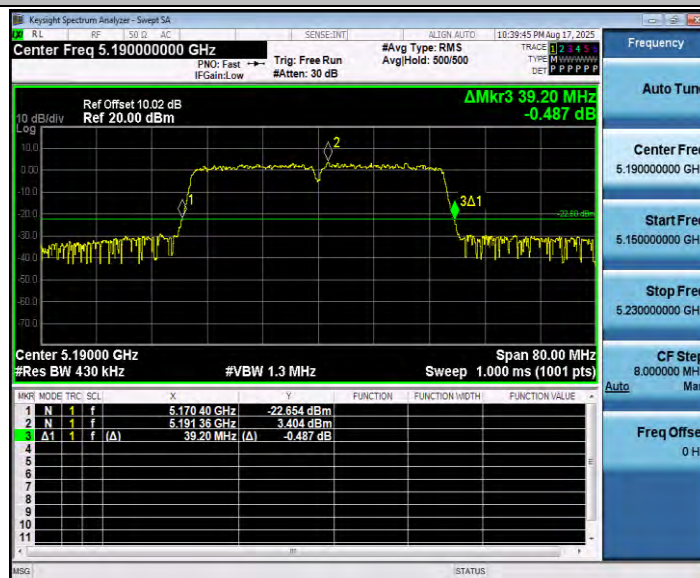
11N20SISO_Ant1_5200



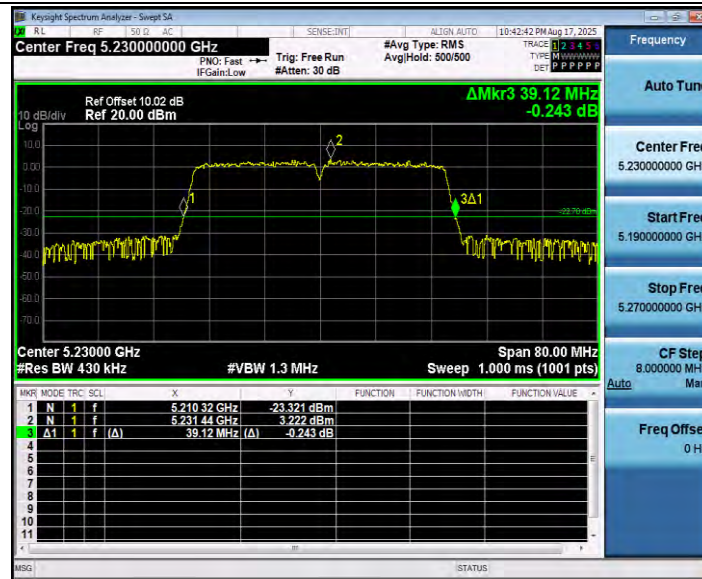
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



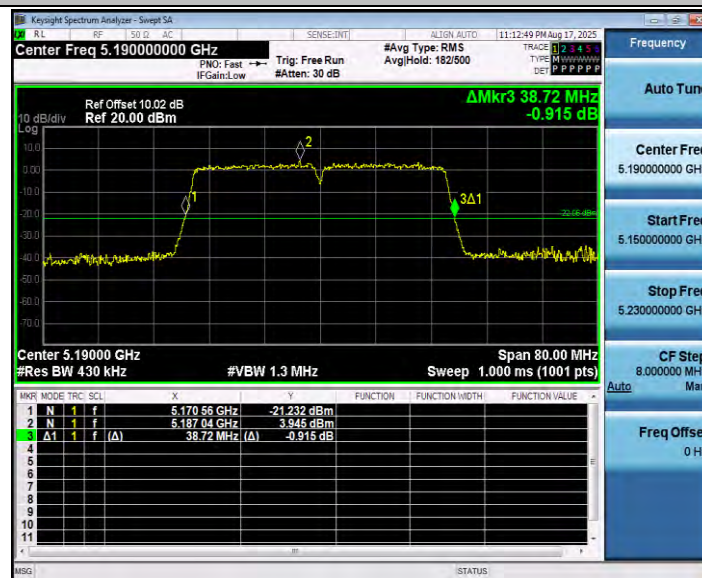
11AC20SISO_Ant1_5200



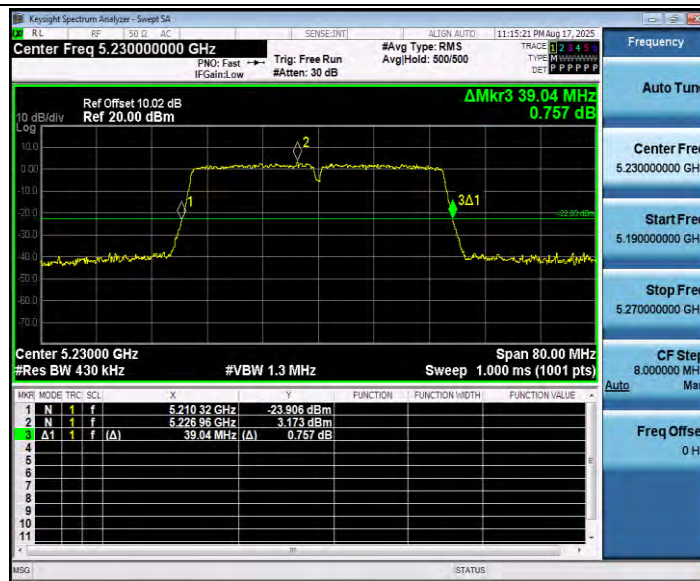
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



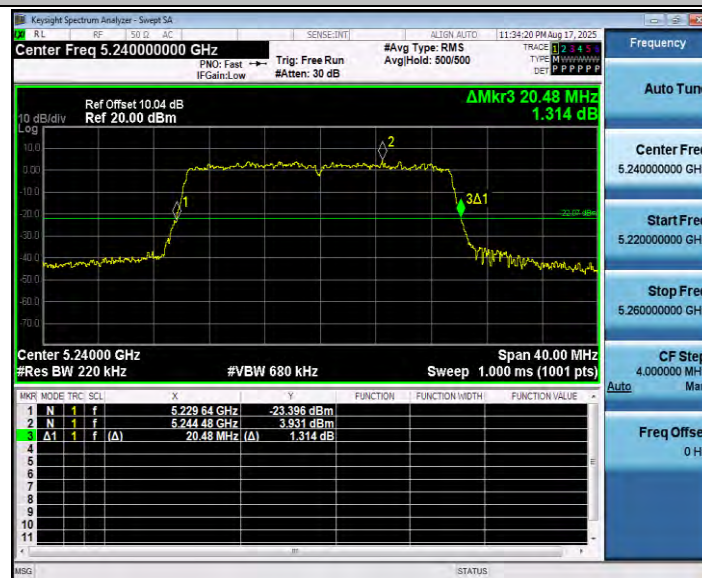
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



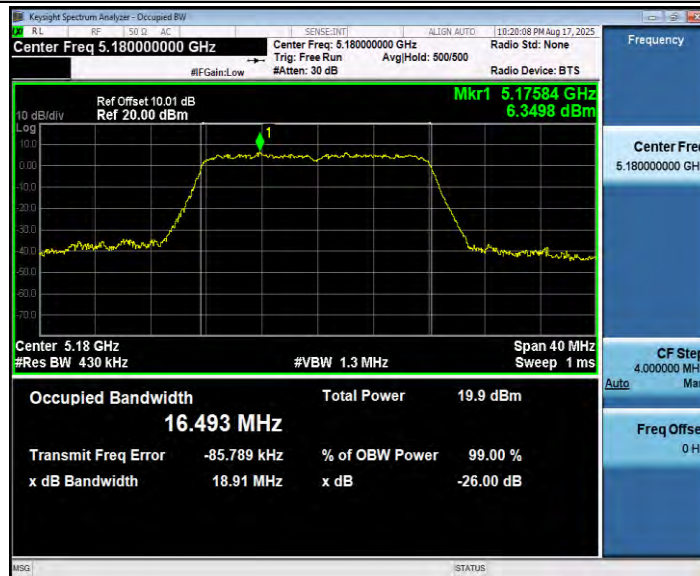
Appendix B.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.493	5171.6677	5188.1607	---	---
		5200	16.497	5191.6592	5208.1562	---	---
		5240	16.507	5231.6437	5248.1507	---	---
11N20SISO	Ant1	5180	17.594	5171.0907	5188.6847	---	---
		5200	17.583	5191.0945	5208.6775	---	---
		5240	17.583	5231.0845	5248.6675	---	---
11N40SISO	Ant1	5190	36.143	5171.8671	5208.0101	---	---
		5230	36.109	5211.8550	5247.9640	---	---
11AC20SISO	Ant1	5180	17.603	5171.0928	5188.6958	---	---
		5200	17.593	5191.0986	5208.6916	---	---
		5240	17.596	5231.0847	5248.6807	---	---
11AC40SISO	Ant1	5190	36.090	5171.8775	5207.9675	---	---
		5230	36.092	5211.8409	5247.9329	---	---
11AC80SISO	Ant1	5210	76.924	5171.7135	5248.6375	---	---
11AX20SISO	Ant1	5180	18.986	5170.4003	5189.3863	---	---
		5200	18.976	5190.4044	5209.3804	---	---
		5240	18.991	5230.3920	5249.3830	---	---
11AX40SISO	Ant1	5190	37.675	5171.0527	5208.7277	---	---
		5230	37.684	5211.0218	5248.7058	---	---
11AX80SISO	Ant1	5210	77.681	5171.3121	5248.9931	---	---

Test Graphs

11A_Ant1_5180



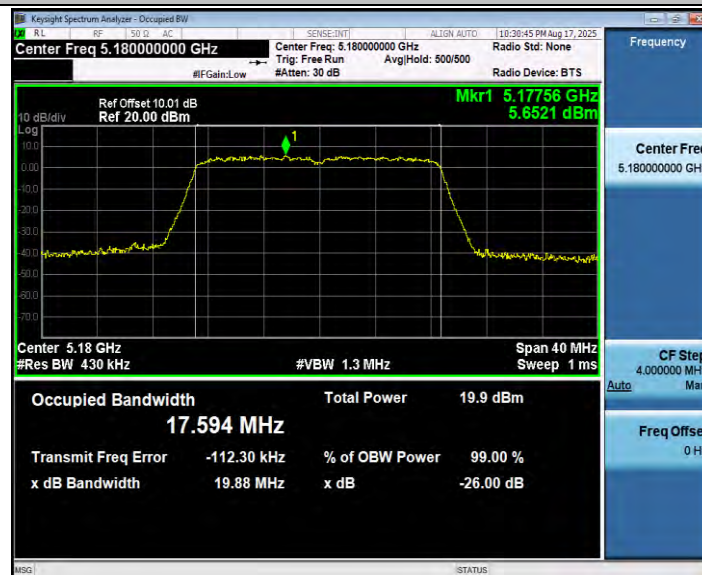
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



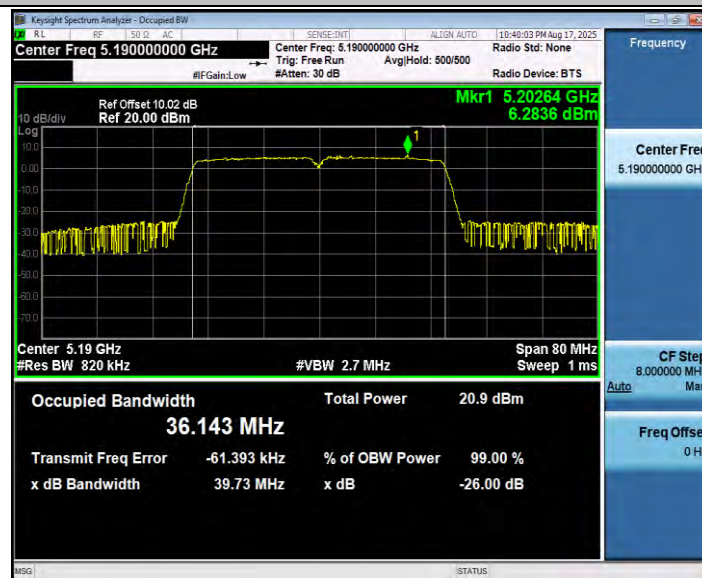
11N20SISO_Ant1_5200



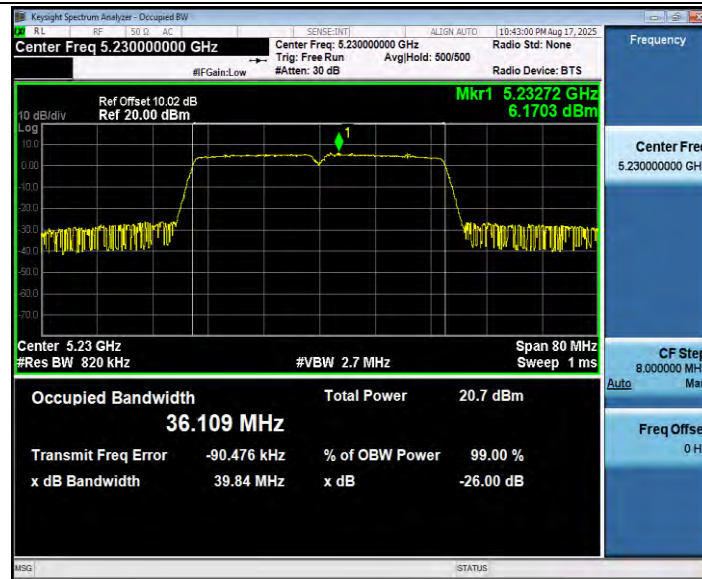
11N20SISO_Ant1_5240



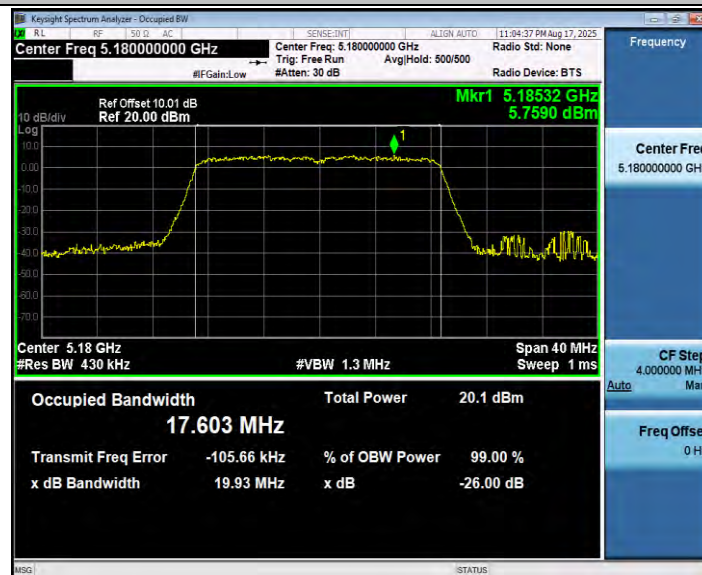
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



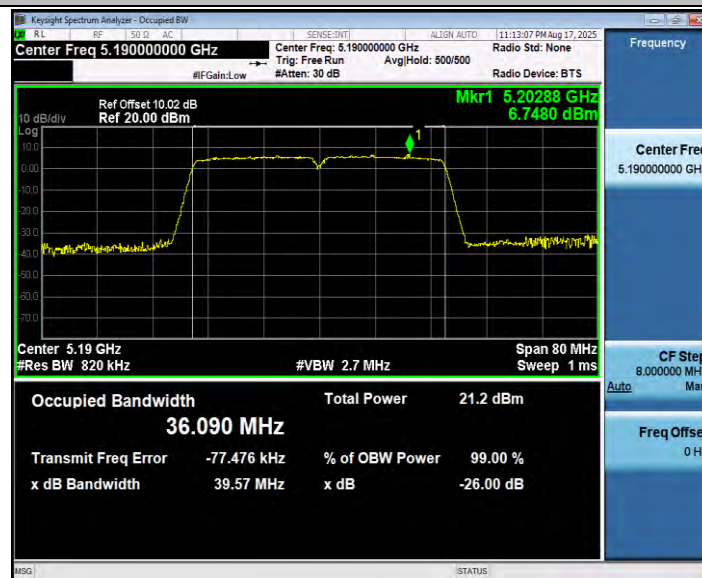
11AC20SISO_Ant1_5200



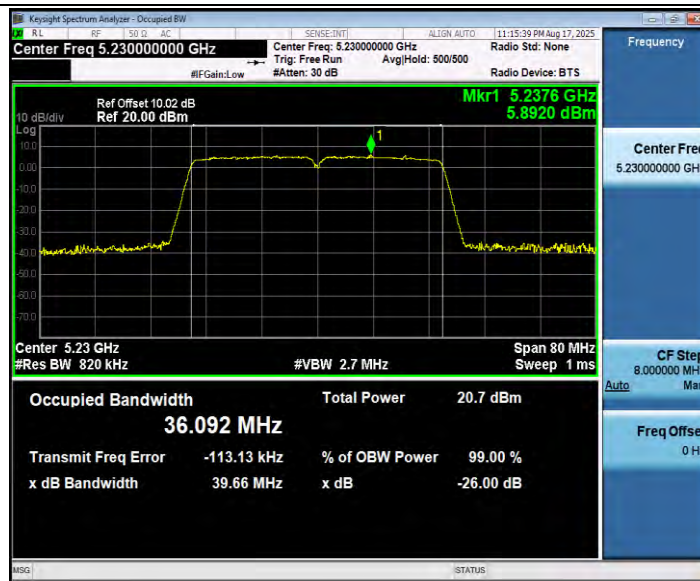
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



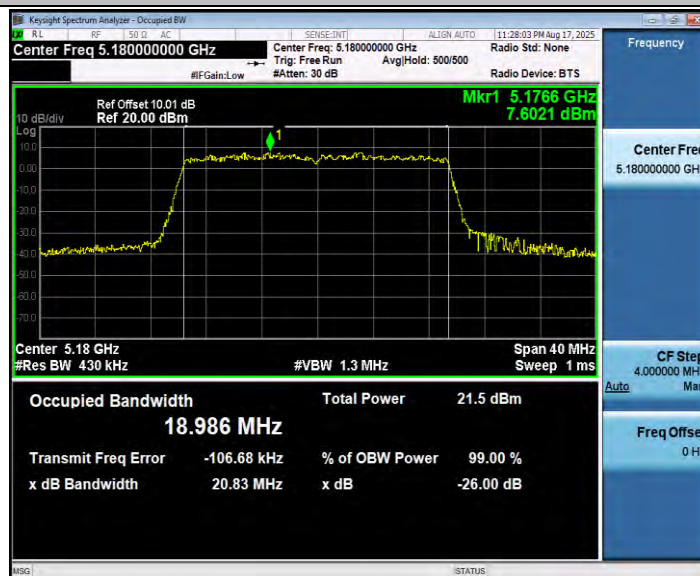
11AC40SISO_Ant1_5230



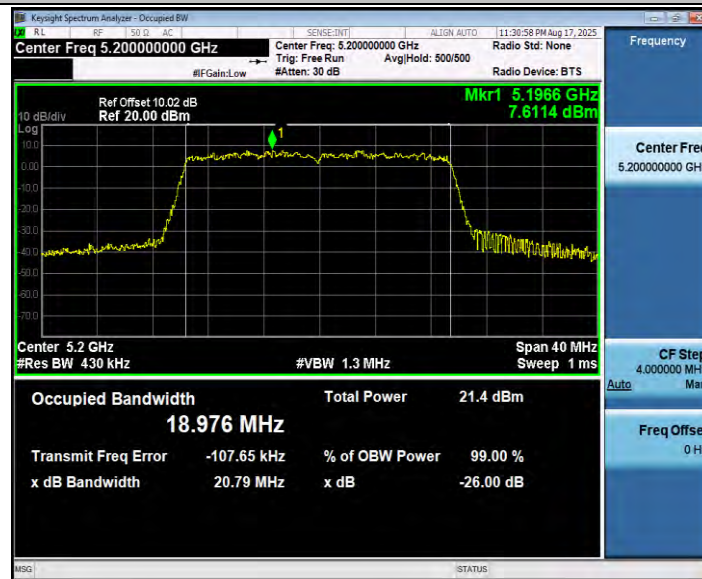
11AC80SISO_Ant1_5210



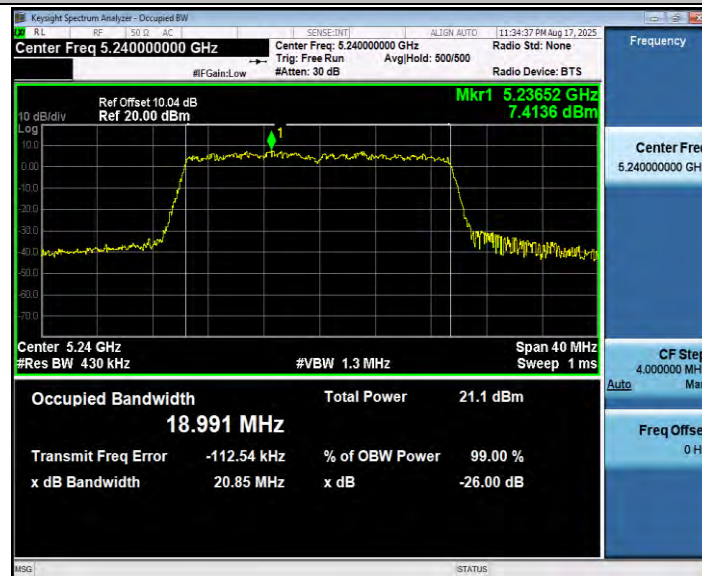
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40ISO_Ant1_5230



11AX80ISO_Ant1_5210

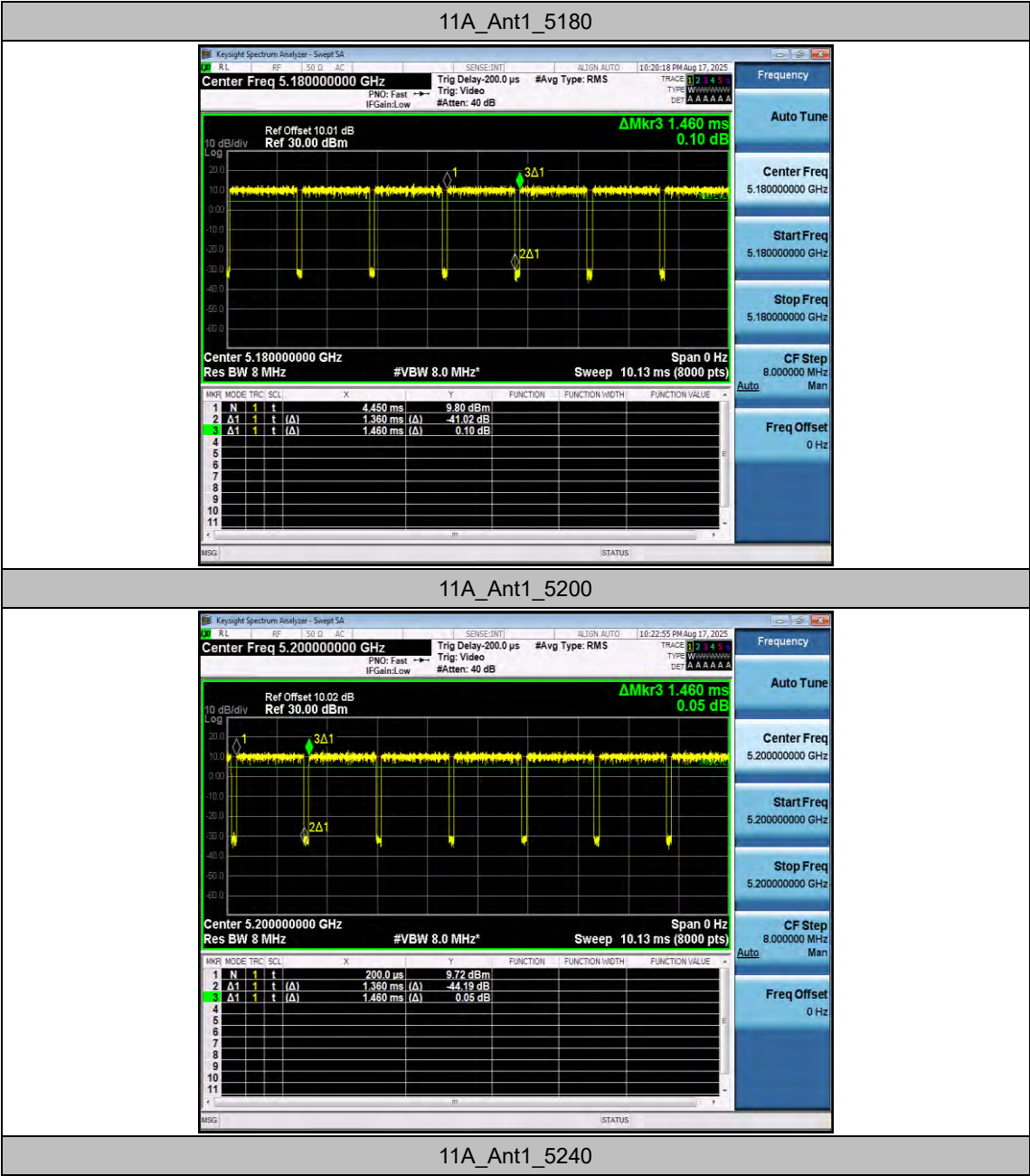


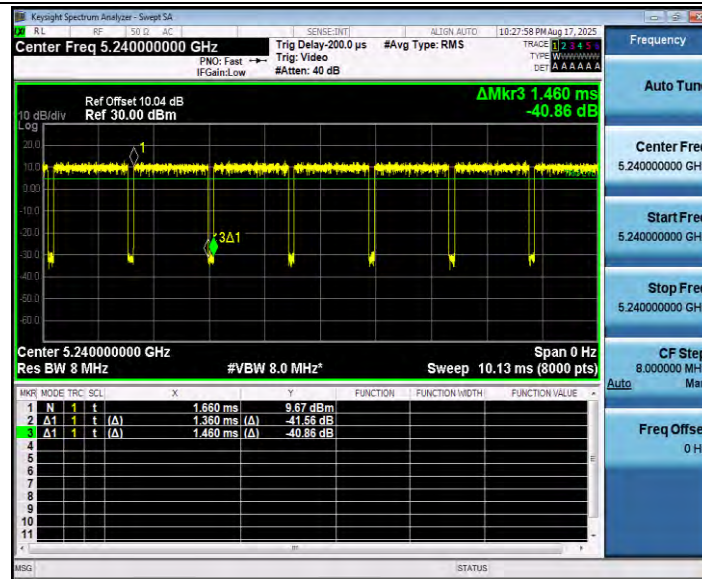
AppendixB.3: Duty Cycle

Test Result

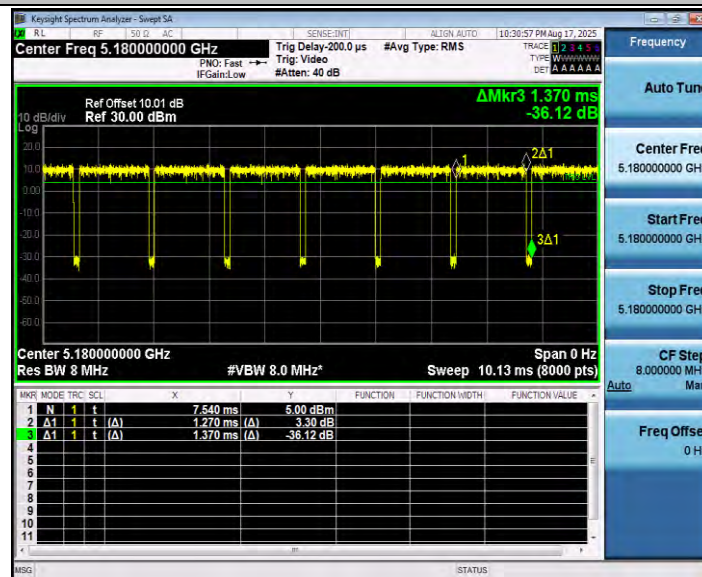
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	1.36	1.46	93.15	0.31	0.74
		5200	1.36	1.46	93.15	0.31	0.74
		5240	1.36	1.46	93.15	0.31	0.74
11N20SISO	Ant1	5180	1.27	1.37	92.70	0.33	0.79
		5200	1.27	1.38	92.03	0.36	0.79
		5240	1.27	1.38	92.03	0.36	0.79
11N40SISO	Ant1	5190	0.63	0.74	85.14	0.70	1.59
		5230	0.63	0.73	86.30	0.64	1.59
11AC20SISO	Ant1	5180	1.28	1.38	92.75	0.33	0.78
		5200	1.28	1.38	92.75	0.33	0.78
		5240	1.28	1.38	92.75	0.33	0.78
11AC40SISO	Ant1	5190	0.64	0.74	86.49	0.63	1.56
		5230	0.63	0.74	85.14	0.70	1.59
11AC80SISO	Ant1	5210	0.31	0.42	73.81	1.32	3.23
11AX20SISO	Ant1	5180	0.98	1.08	90.74	0.42	1.02
		5200	0.99	1.09	90.83	0.42	1.01
		5240	0.98	1.09	89.91	0.46	1.02
11AX40SISO	Ant1	5190	0.52	0.63	82.54	0.83	1.92
		5230	0.52	0.62	83.87	0.76	1.92
11AX80SISO	Ant1	5210	0.28	0.38	73.68	1.33	3.57

Test Graphs

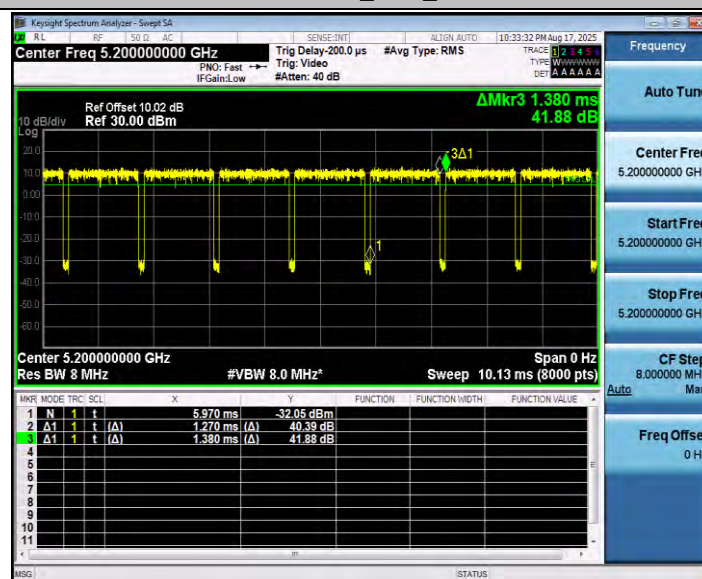




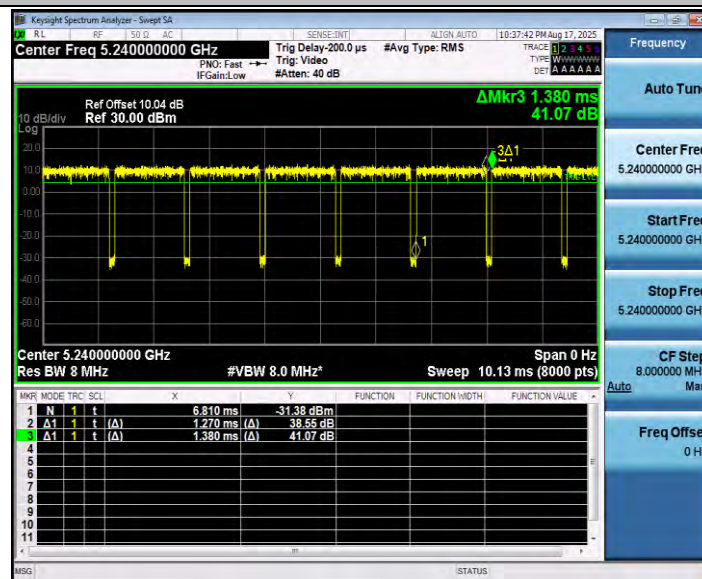
11N20SISO_Ant1_5180



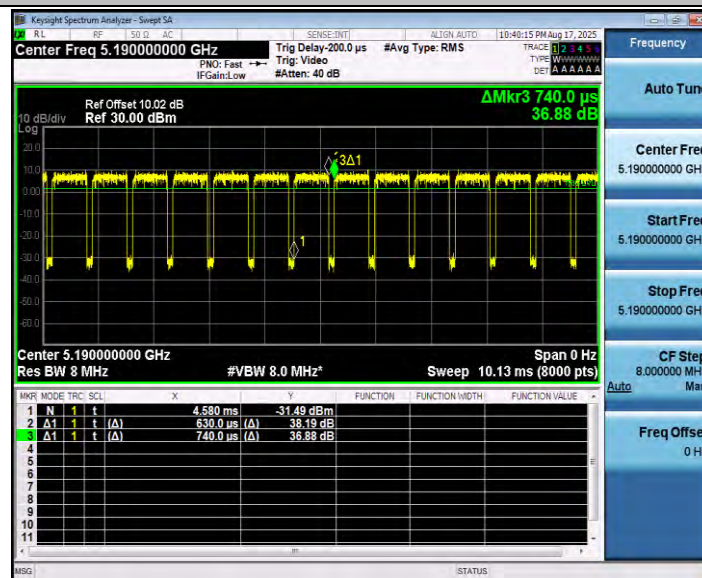
11N20SISO_Ant1_5200



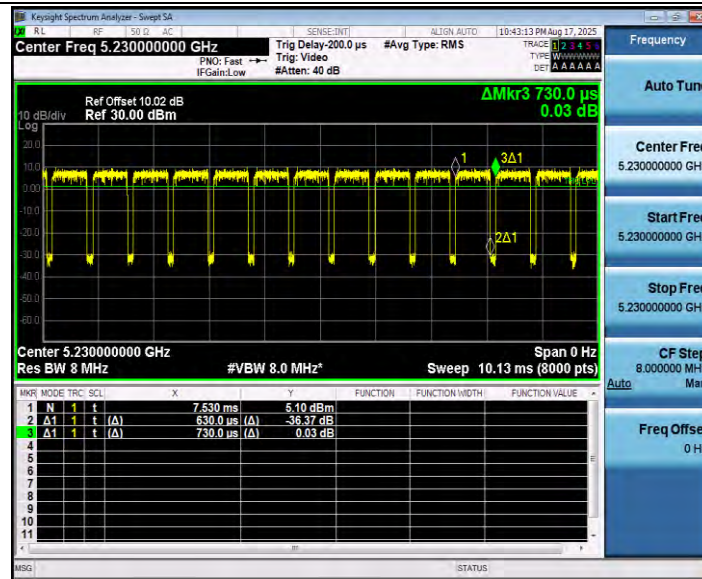
11N20SISO_Ant1_5240



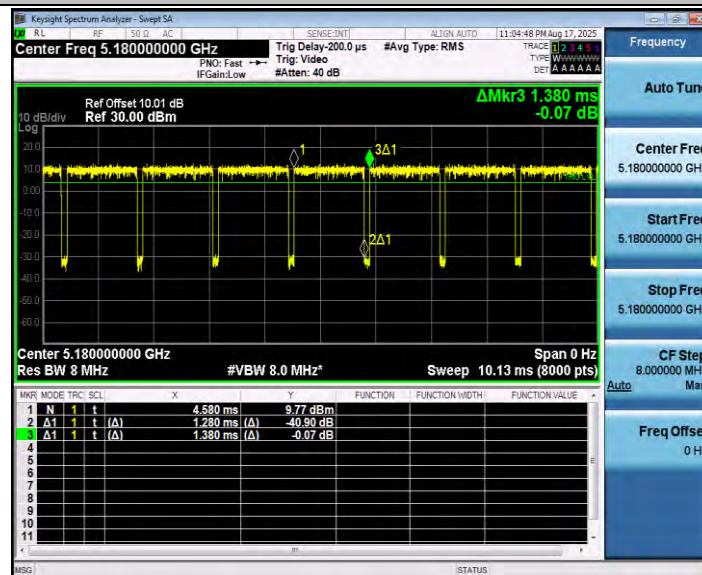
11N40SISO_Ant1_5190



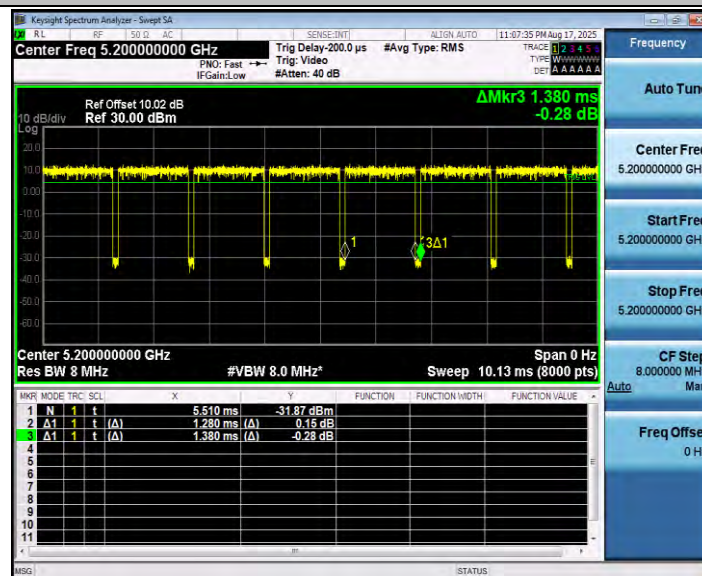
11N40SISO_Ant1_5230



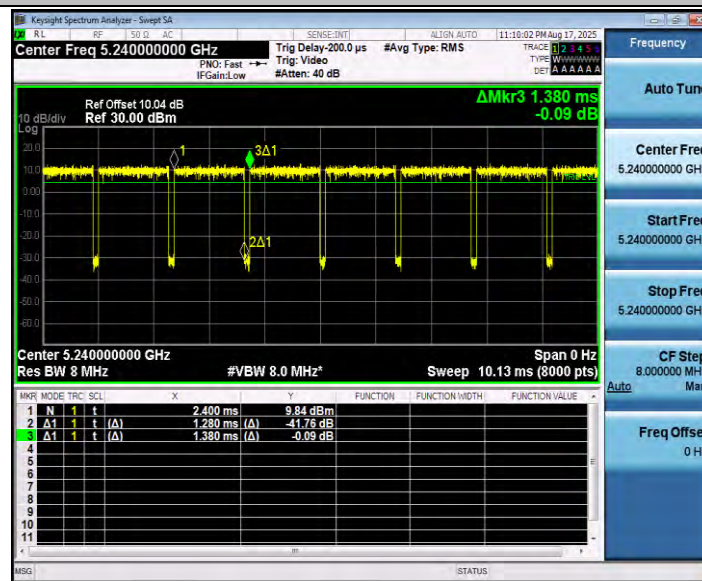
11AC20SISO_Ant1_5180



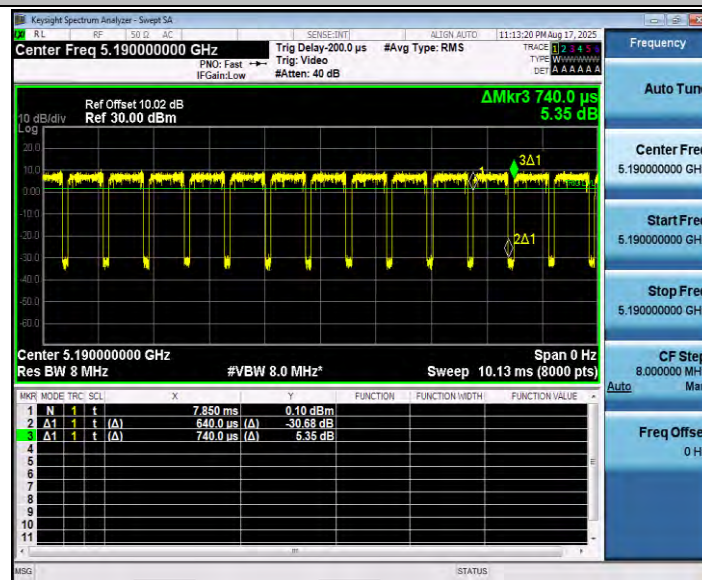
11AC20SISO_Ant1_5200



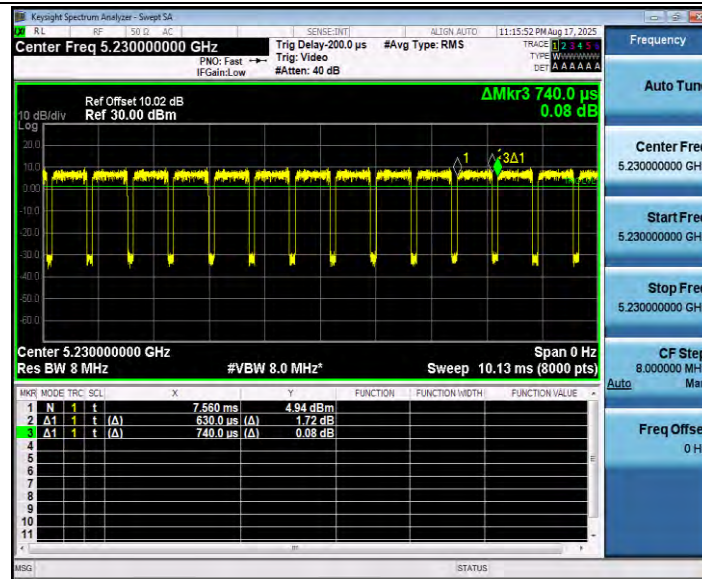
11AC20SISO_Ant1_5240



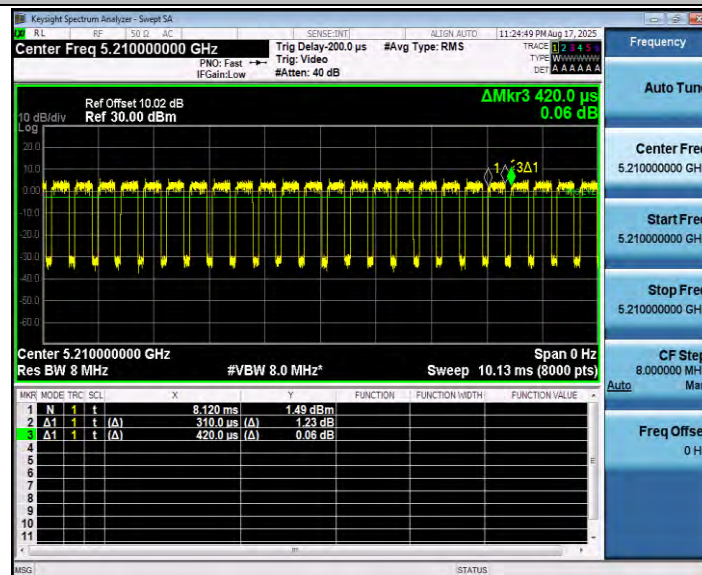
11AC40SISO_Ant1_5190



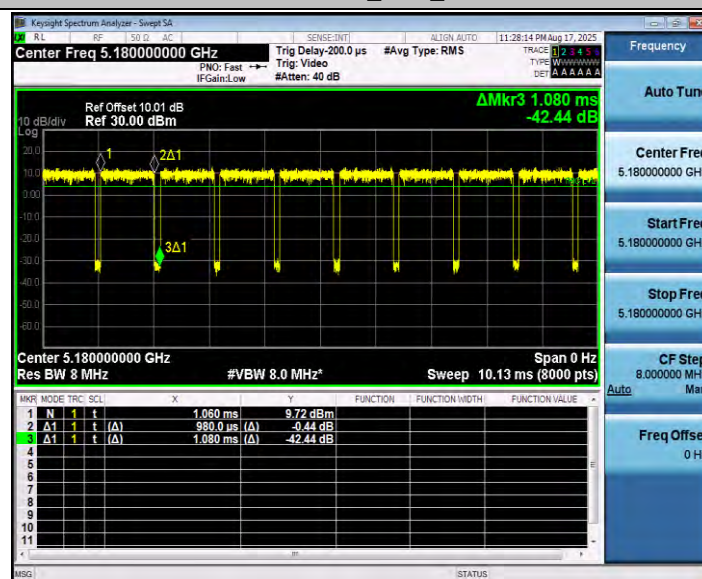
11AC40SISO_Ant1_5230



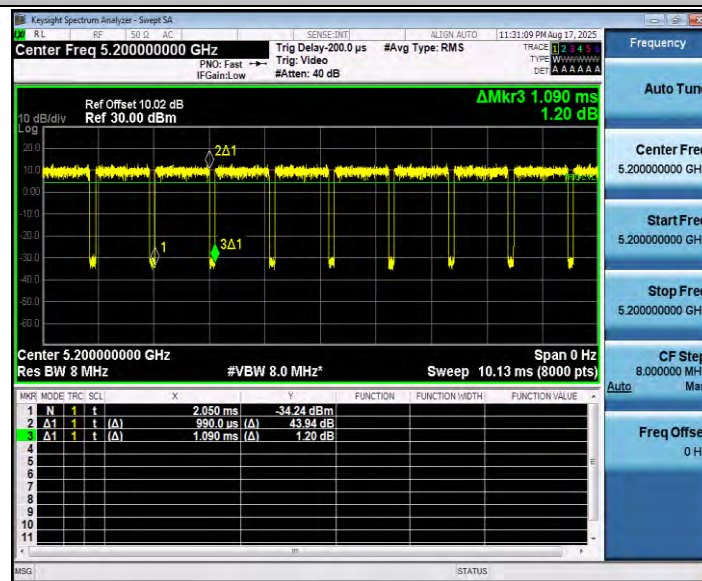
11AC80SISO_Ant1_5210



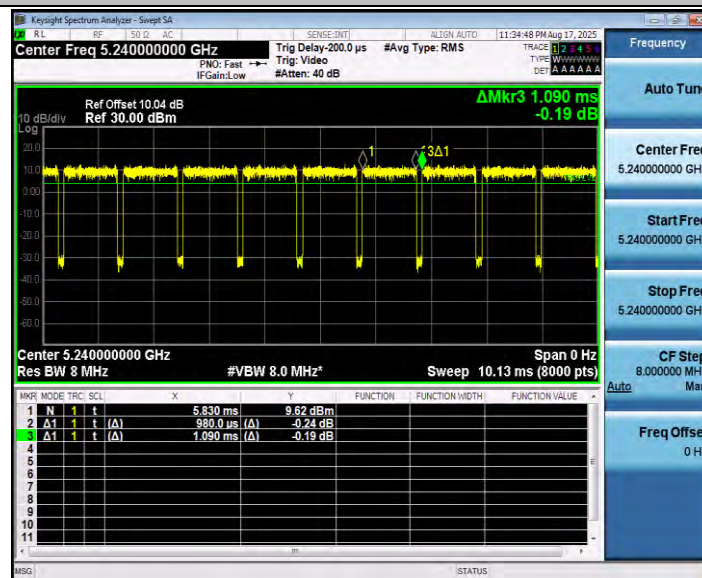
11AX20SISO_Ant1_5180



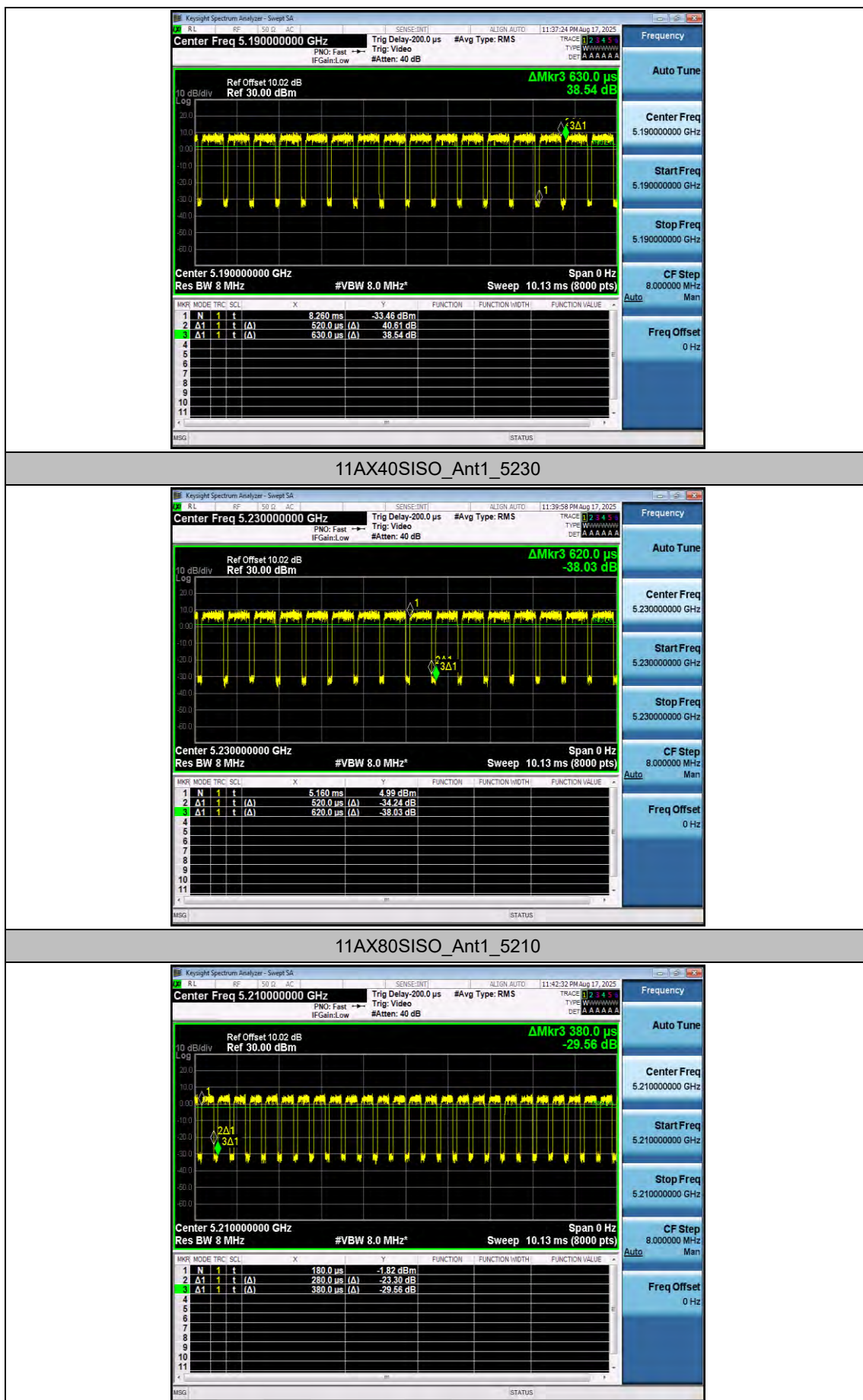
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



Appendix B.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	5180	13.11	93.15	0.31	13.42	≤23.98	PASS
		5200	13.12	93.15	0.31	13.43	≤23.98	PASS
		5240	12.82	93.15	0.31	13.13	≤23.98	PASS
11N20SISO	Ant1	5180	13.03	92.70	0.33	13.36	≤23.98	PASS
		5200	13.17	92.03	0.36	13.53	≤23.98	PASS
		5240	12.87	92.03	0.36	13.23	≤23.98	PASS
11N40SISO	Ant1	5190	13.06	85.14	0.70	13.76	≤23.98	PASS
		5230	12.89	86.30	0.64	13.53	≤23.98	PASS
11AC20SISO	Ant1	5180	12.95	92.75	0.33	13.28	≤23.98	PASS
		5200	13.04	92.75	0.33	13.37	≤23.98	PASS
		5240	12.86	92.75	0.33	13.19	≤23.98	PASS
11AC40SISO	Ant1	5190	13.09	86.49	0.63	13.72	≤23.98	PASS
		5230	12.84	85.14	0.70	13.54	≤23.98	PASS
11AC80SISO	Ant1	5210	12.62	73.81	1.32	13.94	≤23.98	PASS
11AX20SISO	Ant1	5180	12.90	90.74	0.42	13.32	≤23.98	PASS
		5200	12.98	90.83	0.42	13.40	≤23.98	PASS
		5240	12.60	89.91	0.46	13.06	≤23.98	PASS
11AX40SISO	Ant1	5190	12.85	82.54	0.83	13.68	≤23.98	PASS
		5230	12.74	83.87	0.76	13.50	≤23.98	PASS
11AX80SISO	Ant1	5210	12.72	73.68	1.33	14.05	≤23.98	PASS

Appendix B.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.92	≤11.00	PASS
		5200	1.99	≤11.00	PASS
		5240	1.76	≤11.00	PASS
11N20SISO	Ant1	5180	1.63	≤11.00	PASS
		5200	1.81	≤11.00	PASS
		5240	1.62	≤11.00	PASS
11N40SISO	Ant1	5190	-0.93	≤11.00	PASS
		5230	-1.07	≤11.00	PASS
11AC20SISO	Ant1	5180	1.61	≤11.00	PASS
		5200	1.73	≤11.00	PASS
		5240	1.62	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.01	≤11.00	PASS
		5230	-1.04	≤11.00	PASS
11AC80SISO	Ant1	5210	-2.96	≤11.00	PASS
11AX20SISO	Ant1	5180	1.45	≤11.00	PASS
		5200	1.52	≤11.00	PASS
		5240	1.38	≤11.00	PASS
11AX40SISO	Ant1	5190	-1.08	≤11.00	PASS
		5230	-1.20	≤11.00	PASS
11AX80SISO	Ant1	5210	-2.76	≤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_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

