

Case No. : <u>GTS20250510007-3-04</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.6.13-2025.7.14</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	Ant2	5180	24.760	5167.520	5192.280	---	---
		5200	25.440	5187.120	5212.560	---	---
		5240	24.800	5227.600	5252.400	---	---
11N20SISO	Ant2	5180	26.440	5166.680	5193.120	---	---
		5200	25.560	5187.080	5212.640	---	---
		5240	26.160	5227.040	5253.200	---	---
11N40SISO	Ant2	5190	45.840	5167.360	5213.200	---	---
		5230	46.320	5206.400	5252.720	---	---
11AC20SISO	Ant2	5180	26.120	5167.440	5193.560	---	---
		5200	26.560	5186.920	5213.480	---	---
		5240	25.400	5227.840	5253.240	---	---
11AC40SISO	Ant2	5190	46.400	5166.880	5213.280	---	---
		5230	46.320	5206.880	5253.200	---	---
11AC80SISO	Ant2	5210	88.640	5165.840	5254.480	---	---
11AX20SISO	Ant2	5180	25.000	5167.400	5192.400	---	---
		5200	24.920	5187.920	5212.840	---	---
		5240	26.560	5226.360	5252.920	---	---
11AX40SISO	Ant2	5190	44.720	5168.000	5212.720	---	---
		5230	45.280	5207.200	5252.480	---	---
11AX80SISO	Ant2	5210	86.400	5167.280	5253.680	---	---

Test Graphs





11N20SISO_Ant2_5180



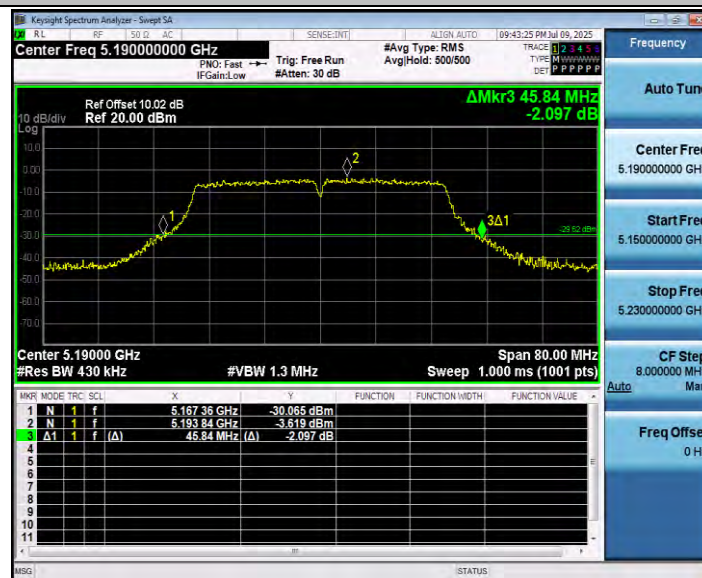
11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



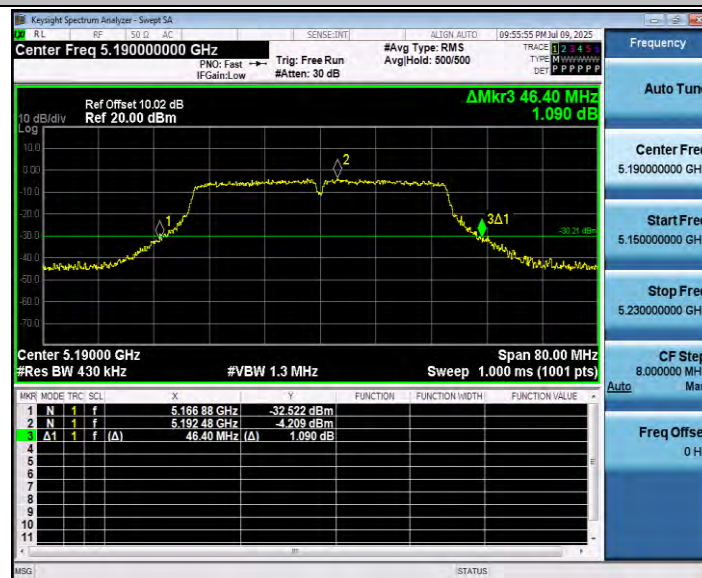
11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



11AX20SISO_Ant2_5180



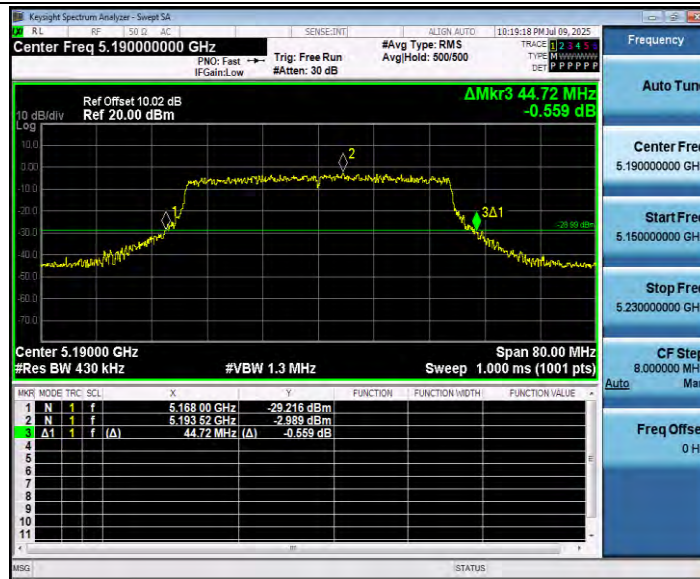
11AX20SISO_Ant2_5200



11AX20SISO_Ant2_5240



11AX40SISO_Ant2_5190



11AX40SISO_Ant2_5230



11AX80SISO_Ant2_5210

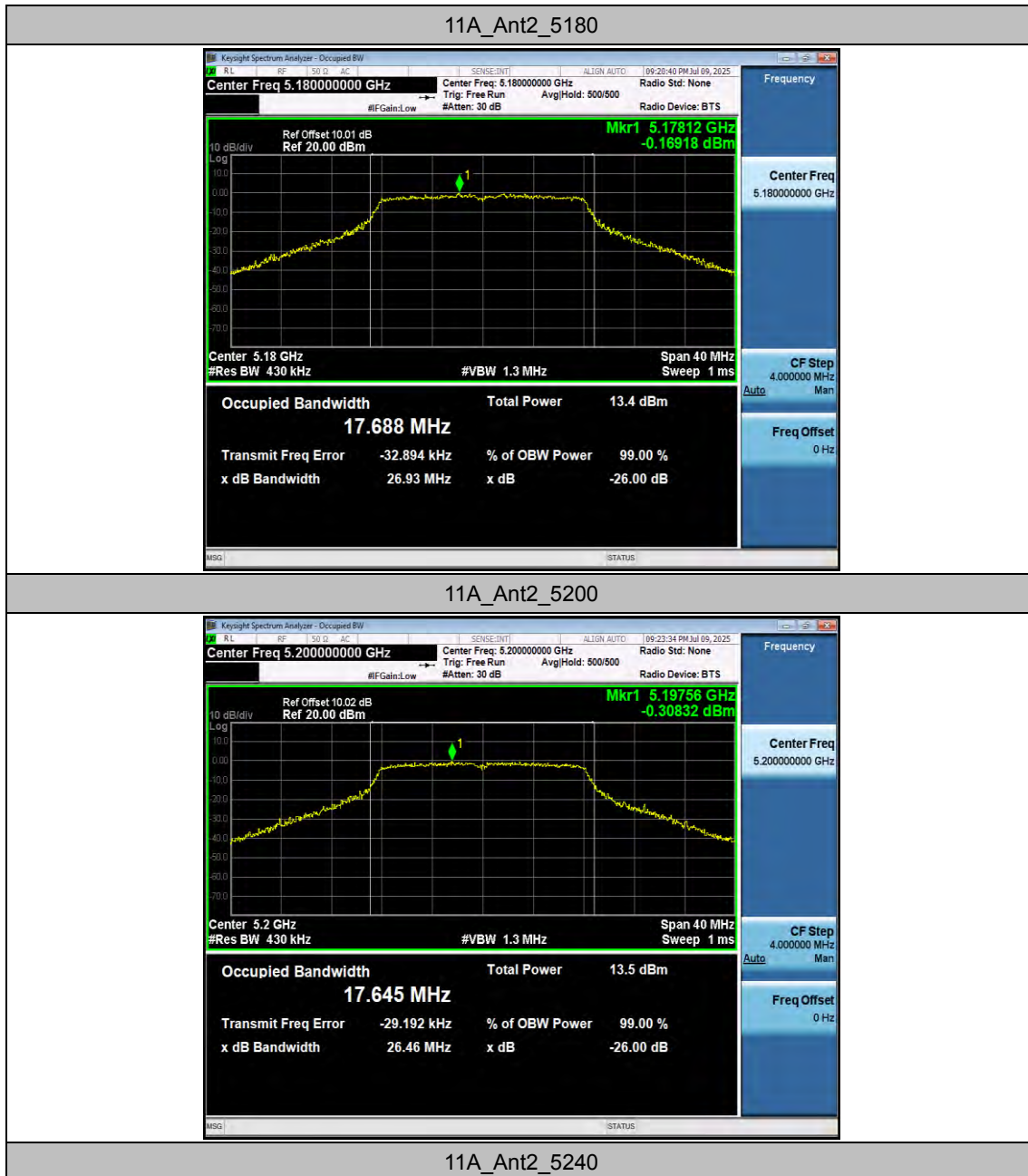


Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	17.688	5171.1231	5188.8111	---	---
		5200	17.645	5191.1483	5208.7933	---	---
		5240	17.688	5231.1026	5248.7906	---	---
11N20SISO	Ant2	5180	18.788	5170.6432	5189.4312	---	---
		5200	18.703	5190.6430	5209.3460	---	---
		5240	18.703	5230.6449	5249.3479	---	---
11N40SISO	Ant2	5190	37.231	5171.4478	5208.6788	---	---
		5230	37.198	5211.4057	5248.6037	---	---
11AC20SISO	Ant2	5180	18.709	5170.6212	5189.3302	---	---
		5200	18.725	5190.6315	5209.3565	---	---
		5240	18.770	5230.6144	5249.3844	---	---
11AC40SISO	Ant2	5190	37.268	5171.4383	5208.7063	---	---
		5230	37.397	5211.3138	5248.7108	---	---
11AC80SISO	Ant2	5210	76.162	5172.0801	5248.2421	---	---
11AX20SISO	Ant2	5180	19.538	5170.2664	5189.8044	---	---
		5200	19.408	5190.3379	5209.7459	---	---
		5240	19.466	5230.2921	5249.7581	---	---
11AX40SISO	Ant2	5190	38.354	5170.8116	5209.1656	---	---
		5230	38.424	5210.8267	5249.2507	---	---
11AX80SISO	Ant2	5210	77.717	5171.2966	5249.0136	---	---

Test Graphs





11N20SISO_Ant2_5180



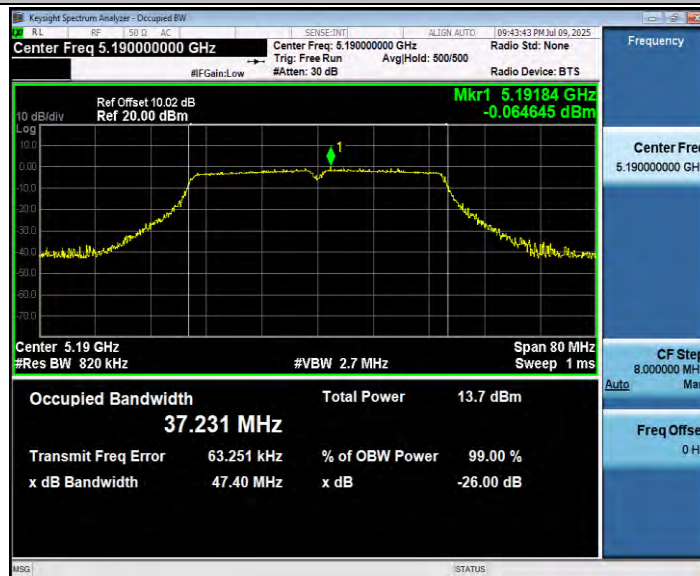
11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



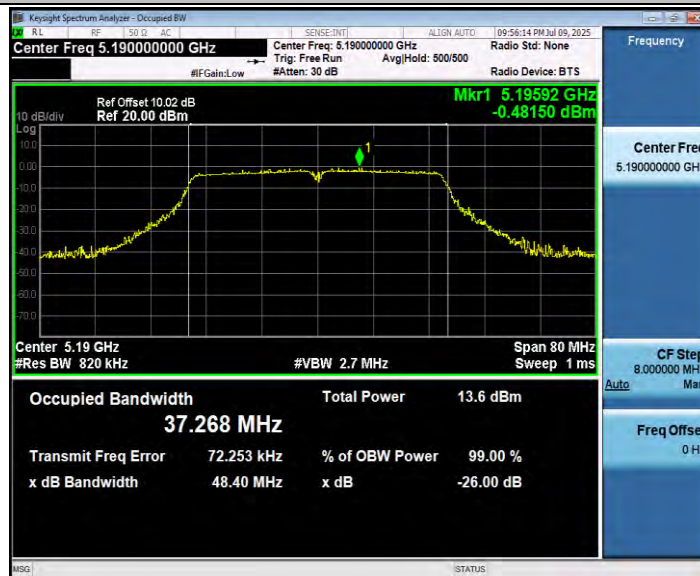
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11AC20SISO_Ant2_5240



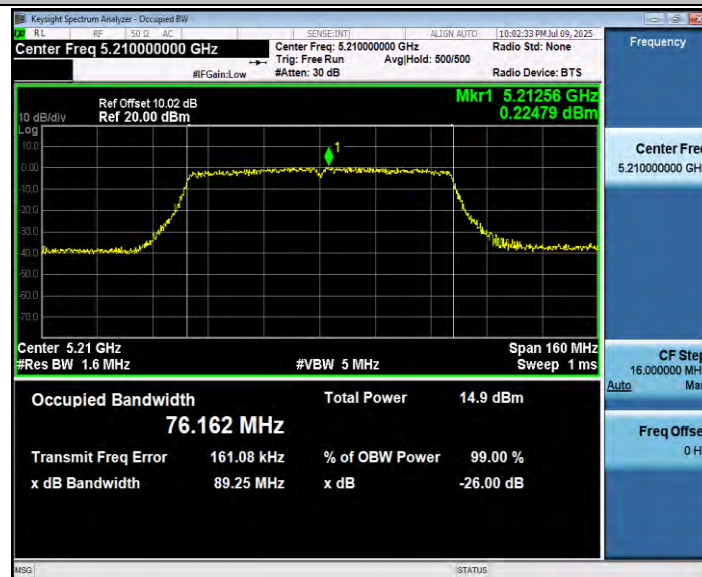
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



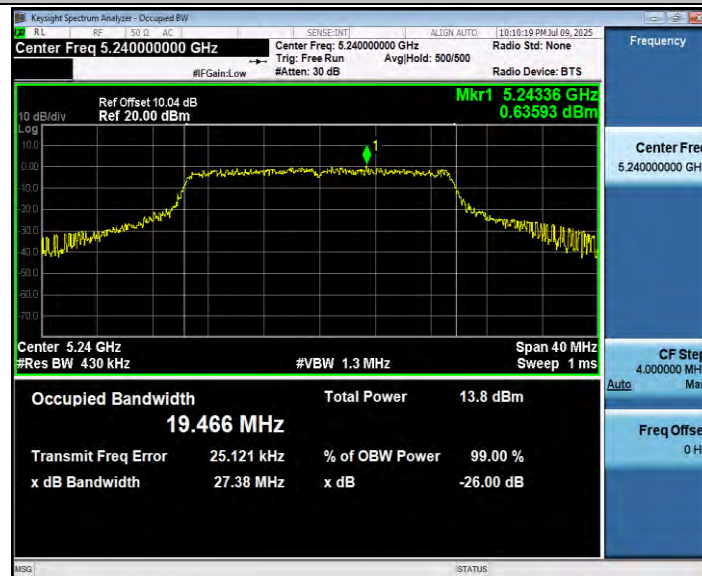
11AX20SISO_Ant2_5180



11AX20SISO_Ant2_5200



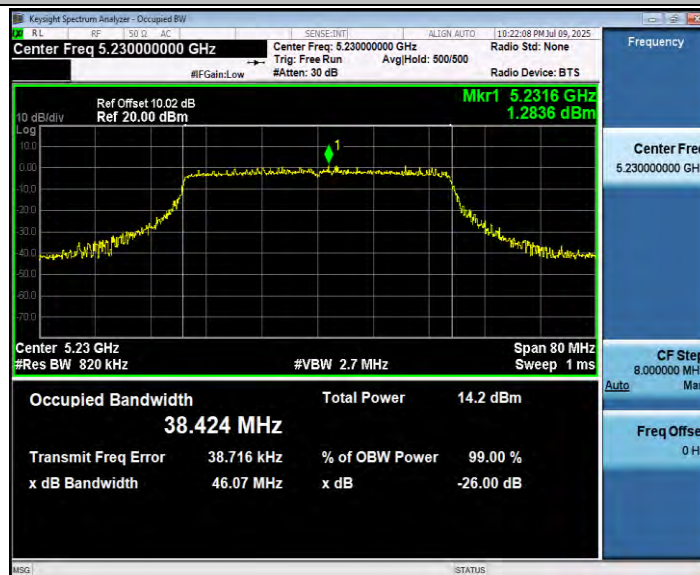
11AX20SISO_Ant2_5240



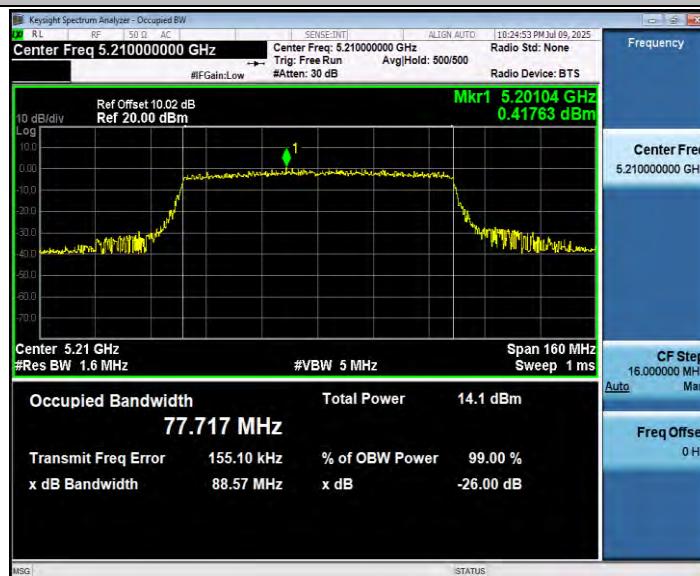
11AX40SISO_Ant2_5190



11AX40SISO_Ant2_5230



11AX80SISO_Ant2_5210

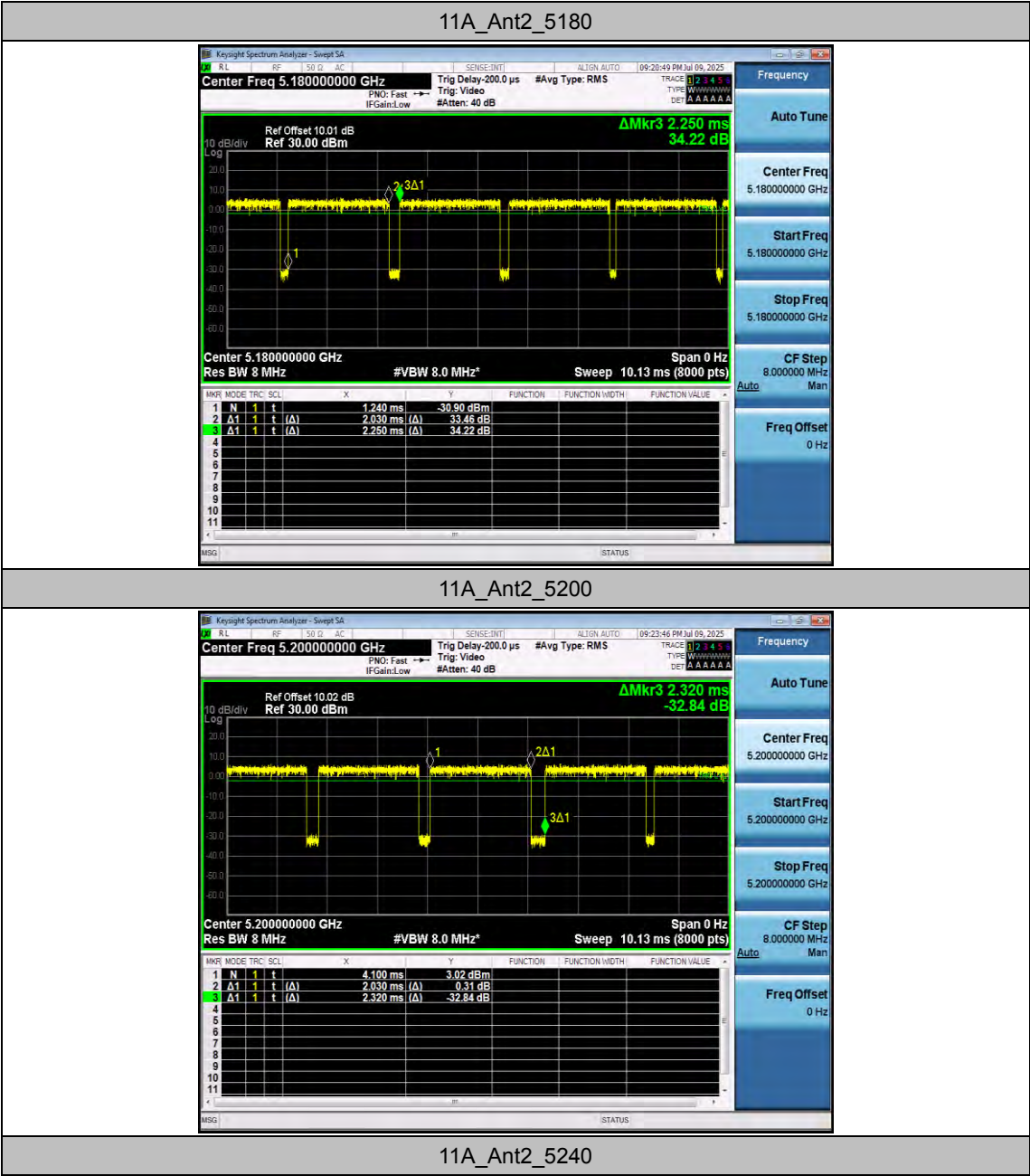


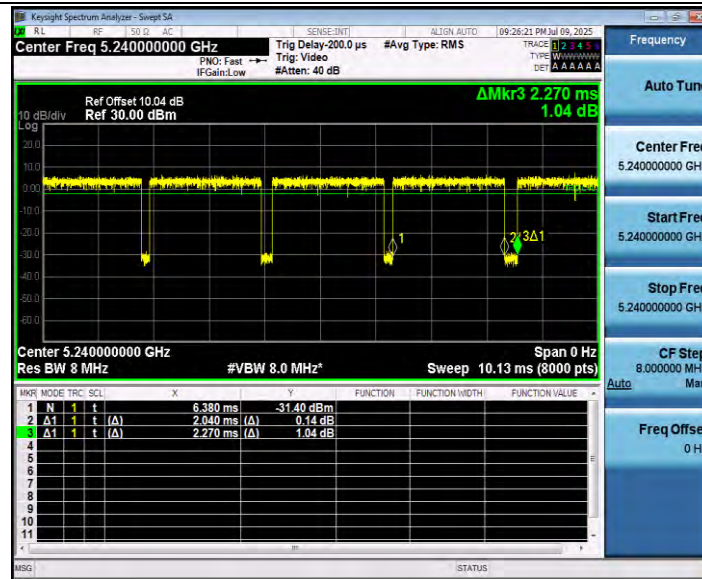
Appendix D.3: Duty Cycle

Test Result

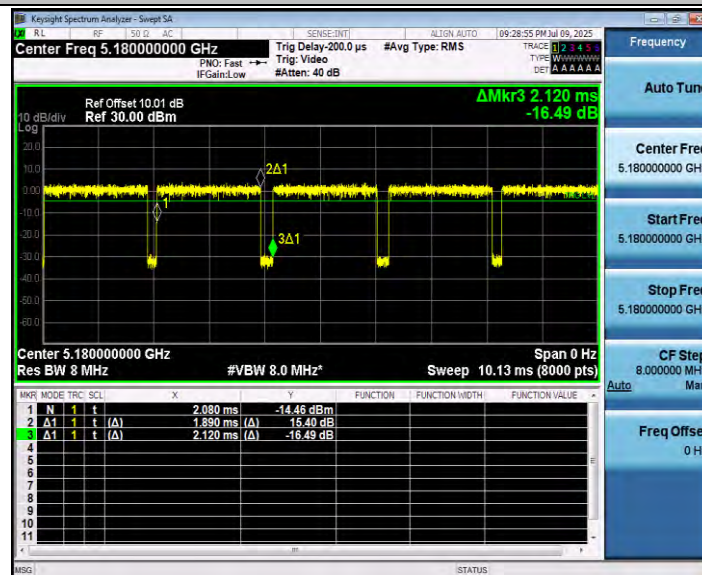
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	2.03	2.25	90.22	0.45	0.49
		5200	2.03	2.32	87.50	0.58	0.49
		5240	2.04	2.27	89.87	0.46	0.49
11N20SISO	Ant2	5180	1.89	2.12	89.15	0.50	0.53
		5200	1.89	2.36	80.08	0.96	0.53
		5240	1.89	2.12	89.15	0.50	0.53
11N40SISO	Ant2	5190	0.94	1.12	83.93	0.76	1.06
		5230	0.94	1.16	81.03	0.91	1.06
11AC20SISO	Ant2	5180	1.90	2.05	92.68	0.33	0.53
		5200	1.90	2.09	90.91	0.41	0.53
		5240	1.90	2.08	91.35	0.39	0.53
11AC40SISO	Ant2	5190	0.94	1.13	83.19	0.80	1.06
		5230	0.93	1.11	83.78	0.77	1.08
11AC80SISO	Ant2	5210	0.45	0.67	67.16	1.73	2.22
11AX20SISO	Ant2	5180	1.46	1.69	86.39	0.64	0.68
		5200	1.47	1.88	78.19	1.07	0.68
		5240	1.47	1.63	90.18	0.45	0.68
11AX40SISO	Ant2	5190	0.77	1.00	77.00	1.14	1.30
		5230	0.76	1.00	76.00	1.19	1.32
11AX80SISO	Ant2	5210	0.39	0.61	63.93	1.94	2.56

Test Graphs

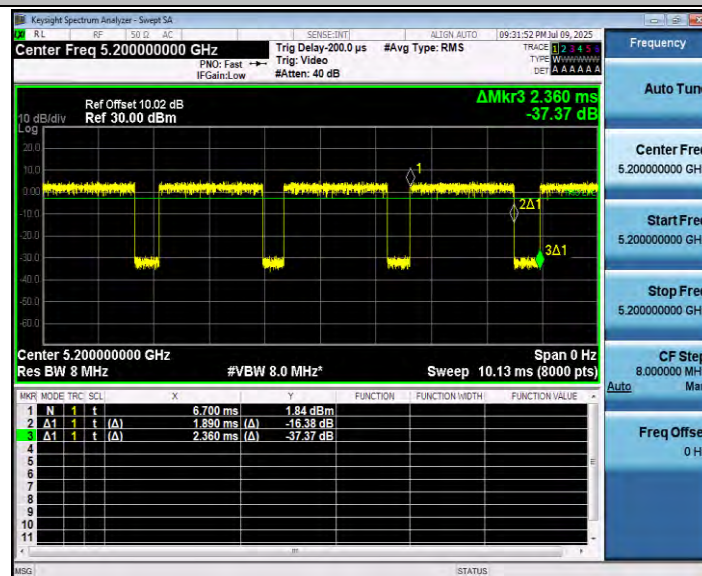




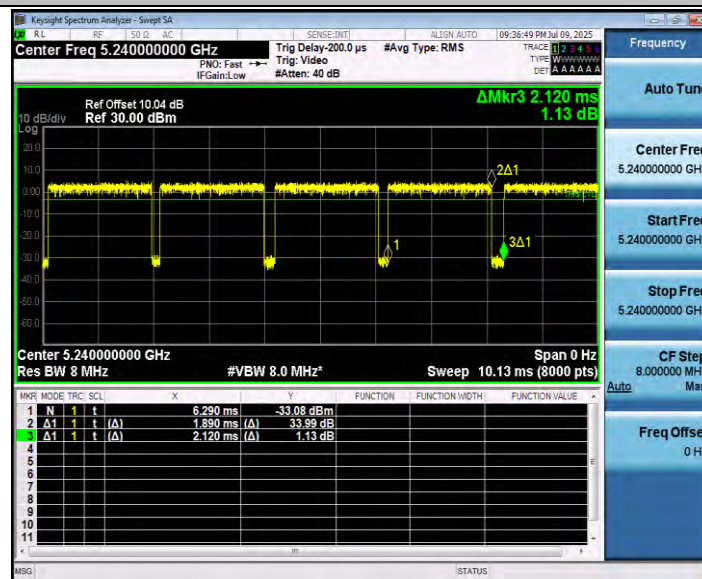
11N20SISO_Ant2_5180



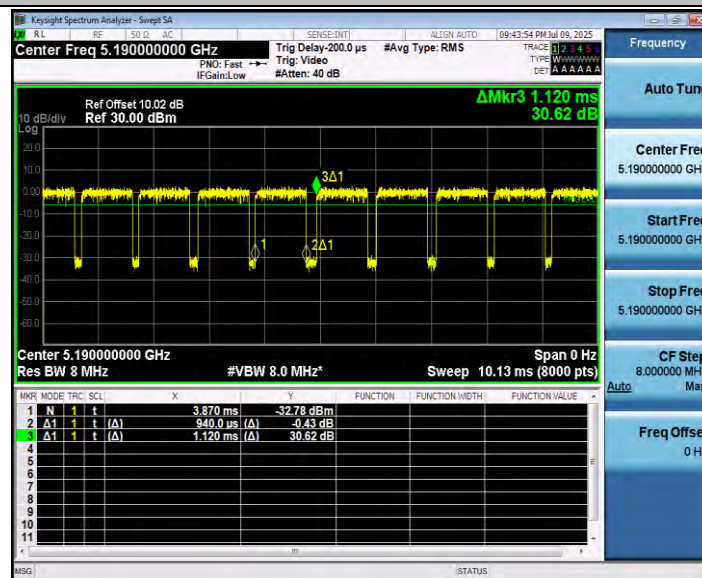
11N20SISO_Ant2_5200



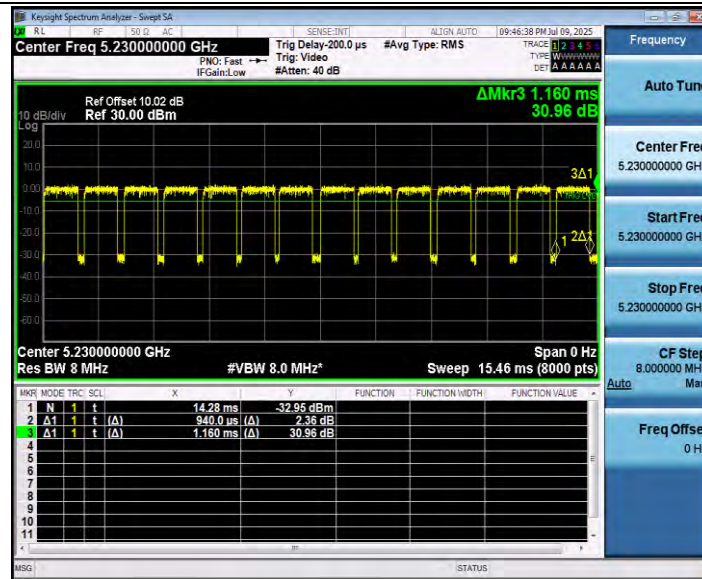
11N20SISO_Ant2_5240



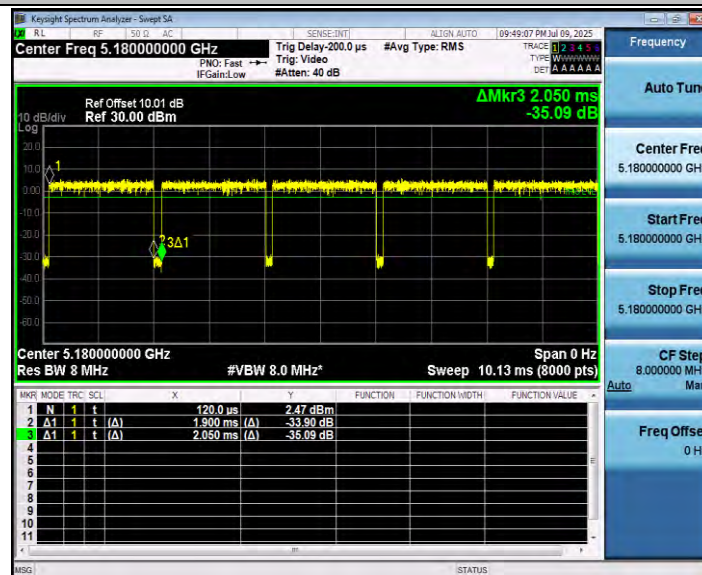
11N40SISO_Ant2_5190



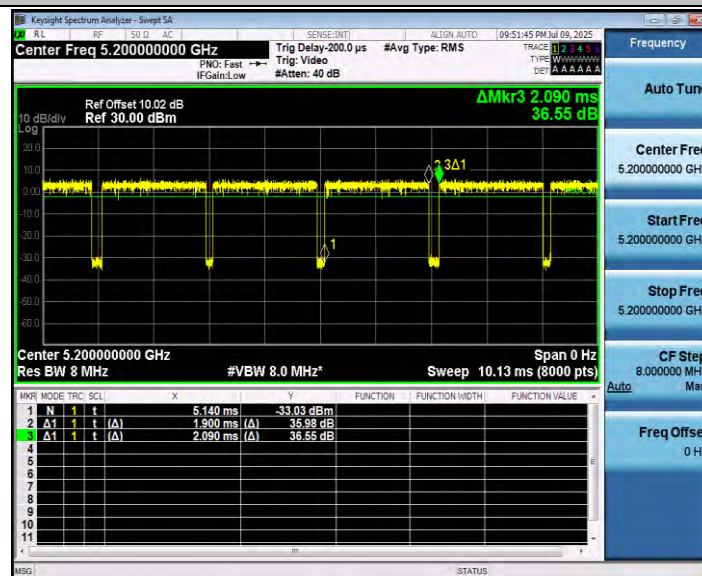
11N40SISO_Ant2_5230



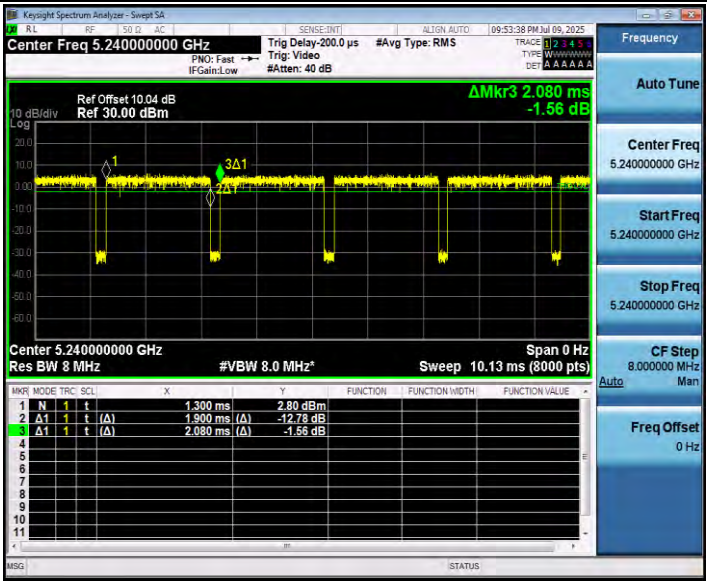
11AC20SISO_Ant2_5180



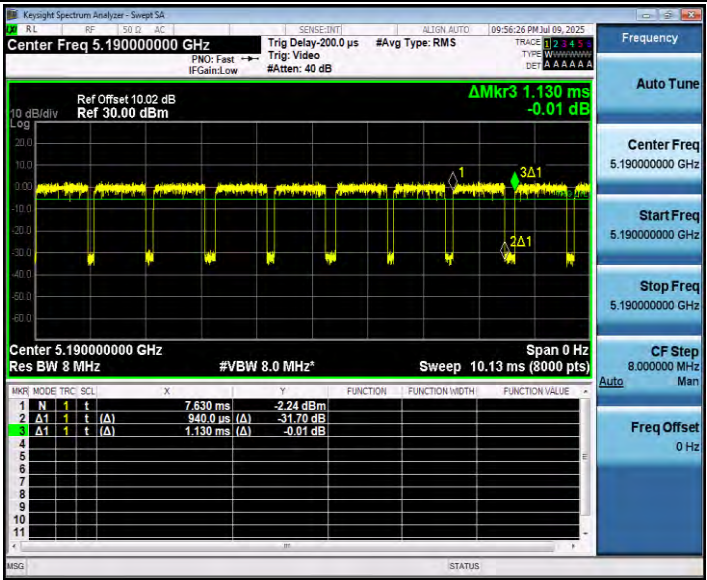
11AC20SISO_Ant2_5200



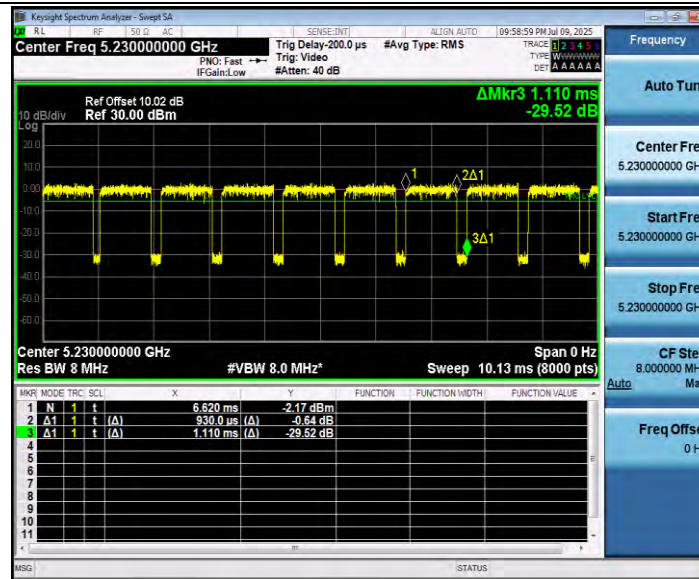
11AC20SISO_Ant2_5240



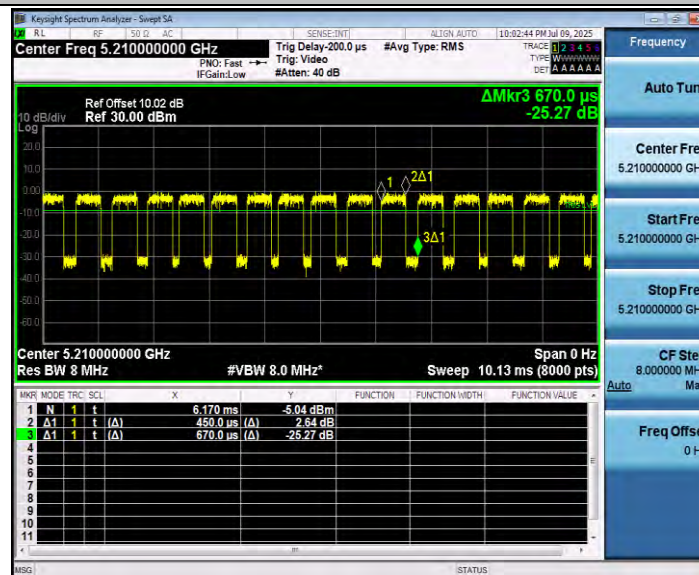
11AC40SISO_Ant2_5190



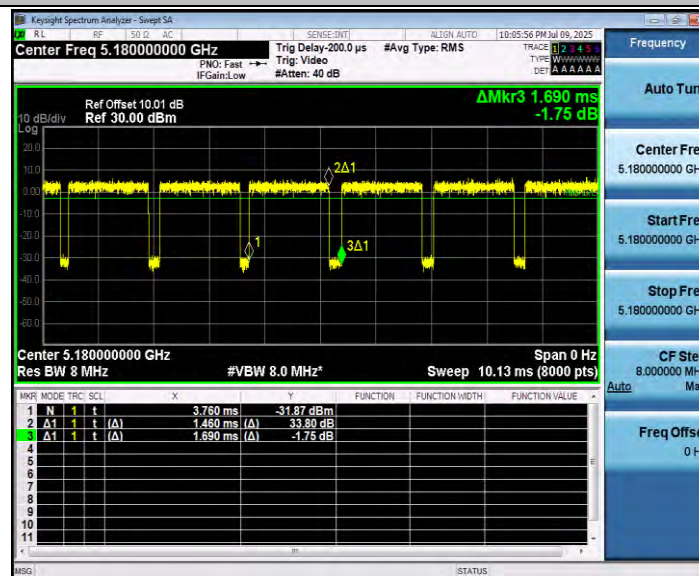
11AC40SISO_Ant2_5230



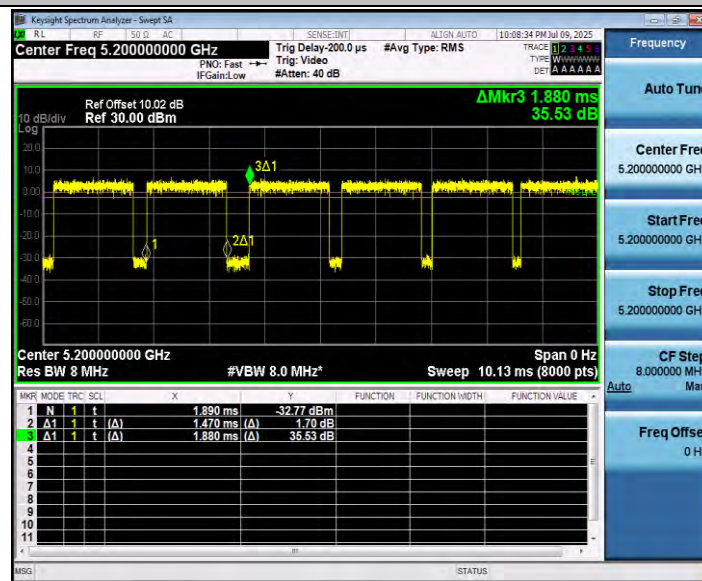
11AC80SISO_Ant2_5210



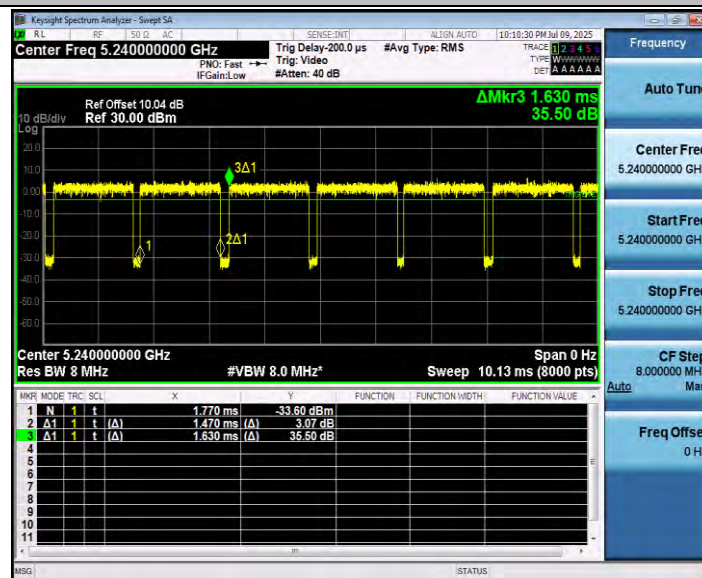
11AX20SISO_Ant2_5180



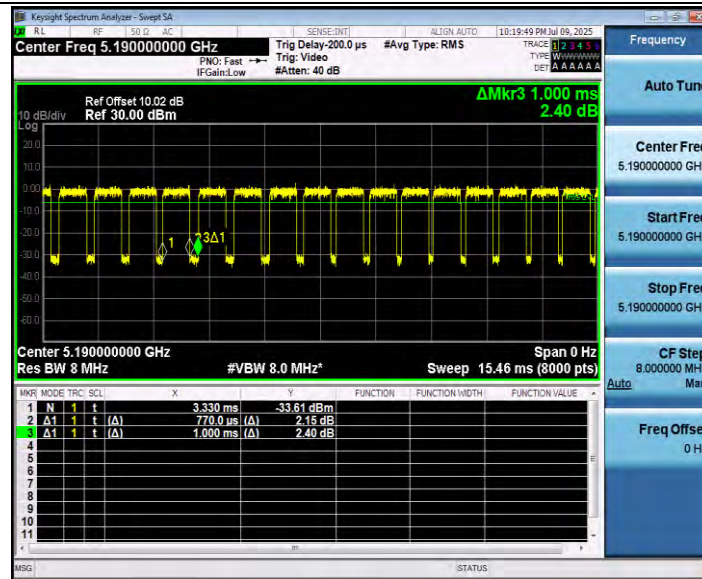
11AX20SISO_Ant2_5200



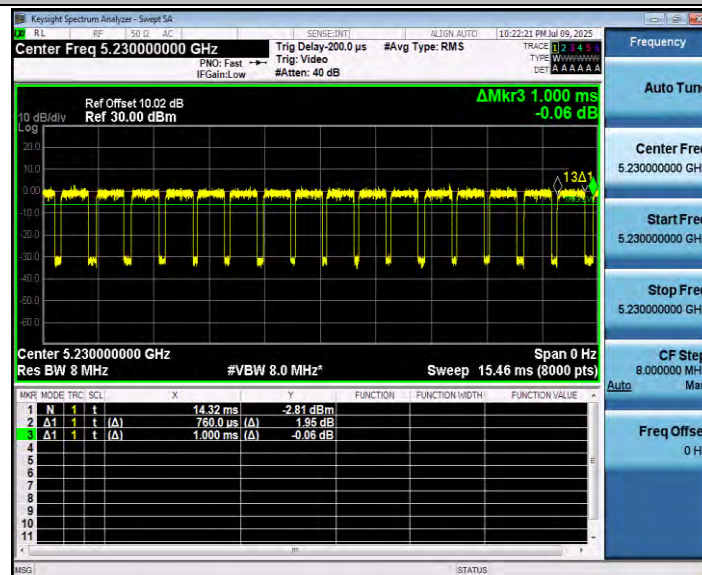
11AX20SISO_Ant2_5240



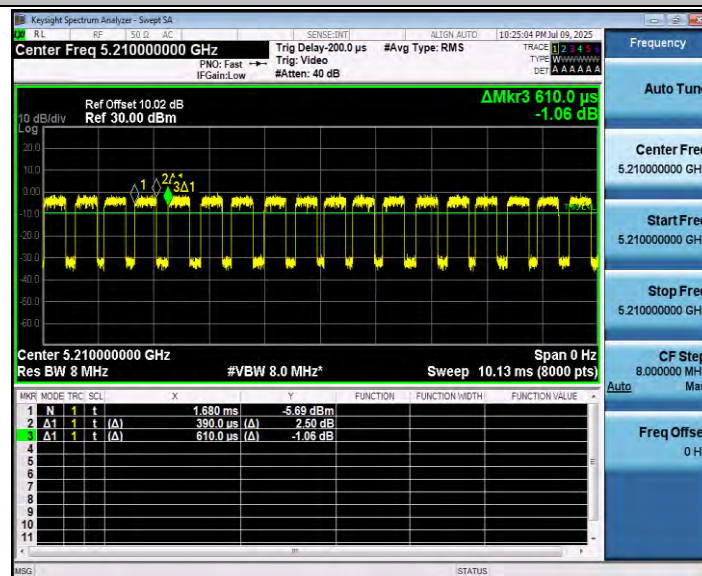
11AX40SISO_Ant2_5190



11AX40ISO_Ant2_5230



11AX80ISO_Ant2_5210



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	Ant2	5180	6.22	90.22	0.45	6.67	≤23.98	PASS
		5200	6.19	87.50	0.58	6.77	≤23.98	PASS
		5240	6.21	89.87	0.46	6.67	≤23.98	PASS
11N20SISO	Ant2	5180	3.94	89.15	0.50	4.44	≤23.98	PASS
		5200	5.27	80.08	0.96	6.23	≤23.98	PASS
		5240	5.03	89.15	0.50	5.53	≤23.98	PASS
11N40SISO	Ant2	5190	5.53	83.93	0.76	6.29	≤23.98	PASS
		5230	5.72	81.03	0.91	6.63	≤23.98	PASS
11AC20SISO	Ant2	5180	5.82	92.68	0.33	6.15	≤23.98	PASS
		5200	6.18	90.91	0.41	6.59	≤23.98	PASS
		5240	6.08	91.35	0.39	6.47	≤23.98	PASS
11AC40SISO	Ant2	5190	5.60	83.19	0.80	6.40	≤23.98	PASS
		5230	5.67	83.78	0.77	6.44	≤23.98	PASS
11AC80SISO	Ant2	5210	4.72	67.16	1.73	6.45	≤23.98	PASS
11AX20SISO	Ant2	5180	5.85	86.39	0.64	6.49	≤23.98	PASS
		5200	6.04	78.19	1.07	7.11	≤23.98	PASS
		5240	5.09	90.18	0.45	5.54	≤23.98	PASS
11AX40SISO	Ant2	5190	4.56	77.00	1.14	5.70	≤23.98	PASS
		5230	4.85	76.00	1.19	6.04	≤23.98	PASS
11AX80SISO	Ant2	5210	3.57	63.93	1.94	5.51	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	-4.44	≤11.00	PASS
		5200	-4.22	≤11.00	PASS
		5240	-4.38	≤11.00	PASS
11N20SISO	Ant2	5180	-7.02	≤11.00	PASS
		5200	-5.02	≤11.00	PASS
		5240	-5.67	≤11.00	PASS
11N40SISO	Ant2	5190	-7.68	≤11.00	PASS
		5230	-7.62	≤11.00	PASS
11AC20SISO	Ant2	5180	-5.23	≤11.00	PASS
		5200	-4.76	≤11.00	PASS
		5240	-4.79	≤11.00	PASS
11AC40SISO	Ant2	5190	-7.87	≤11.00	PASS
		5230	-7.80	≤11.00	PASS
11AC80SISO	Ant2	5210	-10.22	≤11.00	PASS
11AX20SISO	Ant2	5180	-5.15	≤11.00	PASS
		5200	-4.40	≤11.00	PASS
		5240	-6.01	≤11.00	PASS
11AX40SISO	Ant2	5190	-8.78	≤11.00	PASS
		5230	-8.64	≤11.00	PASS
11AX80SISO	Ant2	5210	-11.31	≤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



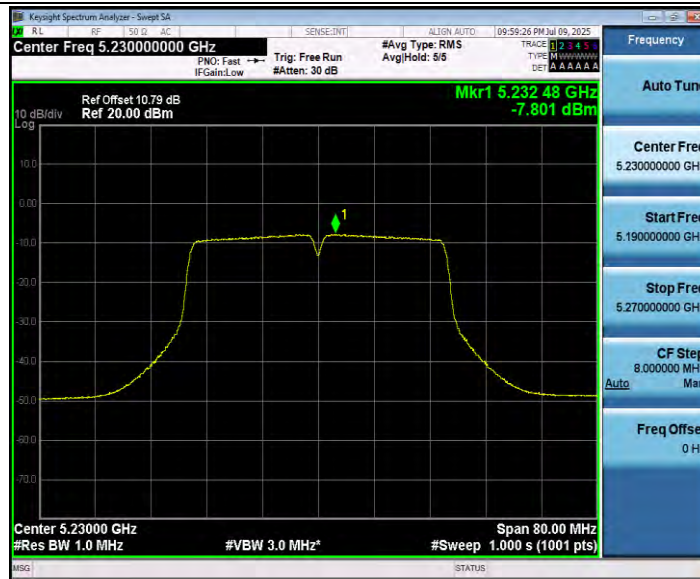
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



11AX20SISO_Ant2_5180



11AX20SISO_Ant2_5200



11AX20SISO_Ant2_5240



11AX40SISO_Ant2_5190



11AX40SISO_Ant2_5230



11AX80SISO_Ant2_5210

