

Case No. : <u>GTS20250716006-1-02</u>	
Ambient Condition: <u>22</u> °C, <u>53</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	Ant2	5180	18.480	5170.680	5189.160	---	---
		5200	18.600	5190.600	5209.200	---	---
		5240	18.560	5230.600	5249.160	---	---
11N20SISO	Ant2	5180	19.400	5170.160	5189.560	---	---
		5200	19.440	5190.160	5209.600	---	---
		5240	19.480	5230.120	5249.600	---	---
11N40SISO	Ant2	5190	38.640	5170.560	5209.200	---	---
		5230	39.200	5210.320	5249.520	---	---
11AC20SISO	Ant2	5180	19.520	5170.160	5189.680	---	---
		5200	19.480	5190.160	5209.640	---	---
		5240	19.440	5230.160	5249.600	---	---
11AC40SISO	Ant2	5190	39.120	5170.320	5209.440	---	---
		5230	39.120	5210.320	5249.440	---	---
11AC80SISO	Ant2	5210	87.680	5166.160	5253.840	---	---
11AX20SISO	Ant2	5180	20.520	5169.600	5190.120	---	---
		5200	20.520	5189.600	5210.120	---	---
		5240	20.440	5229.640	5250.080	---	---
11AX40SISO	Ant2	5190	39.920	5170.000	5209.920	---	---
		5230	39.920	5210.000	5249.920	---	---
11AX80SISO	Ant2	5210	81.600	5169.040	5250.640	---	---

Test Graphs

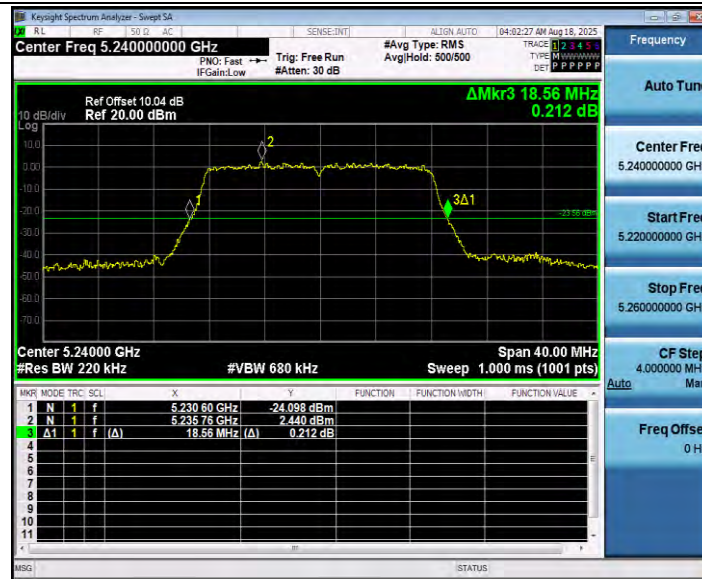
11A_Ant2_5180



11A_Ant2_5200



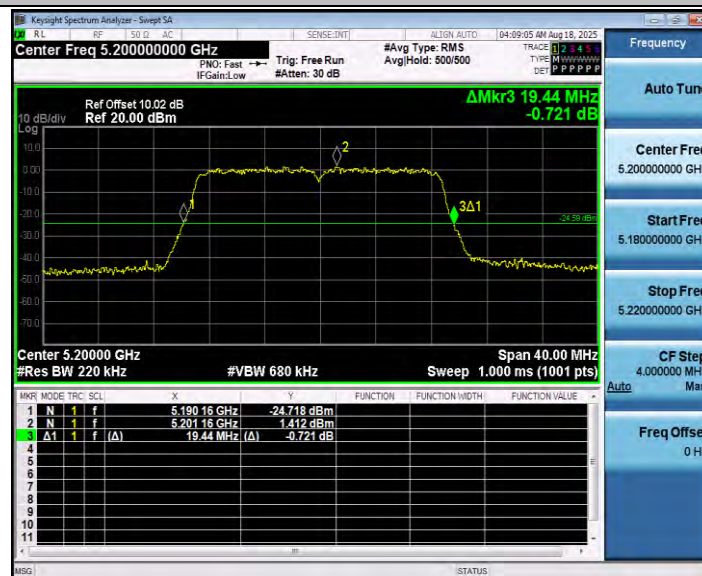
11A_Ant2_5240



11N20SISO_Ant2_5180



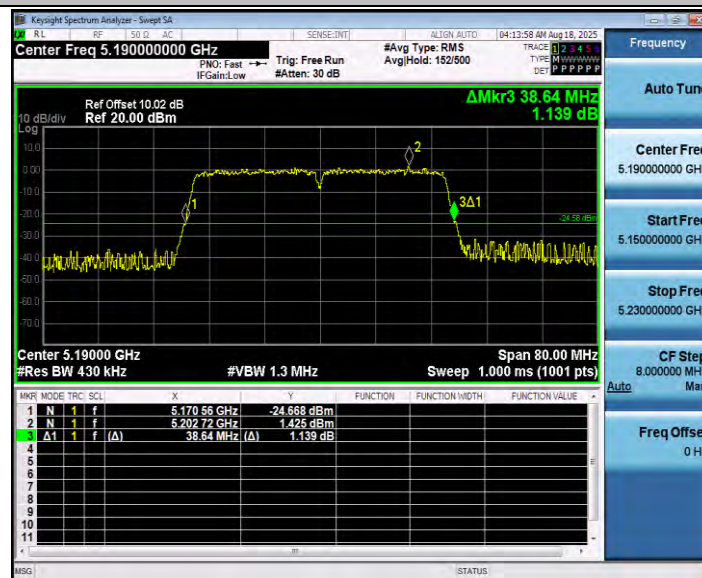
11N20SISO_Ant2_5200



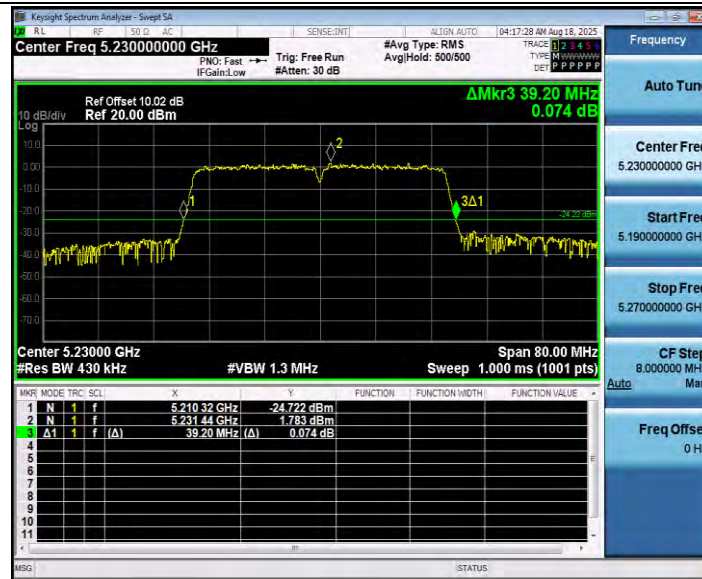
11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



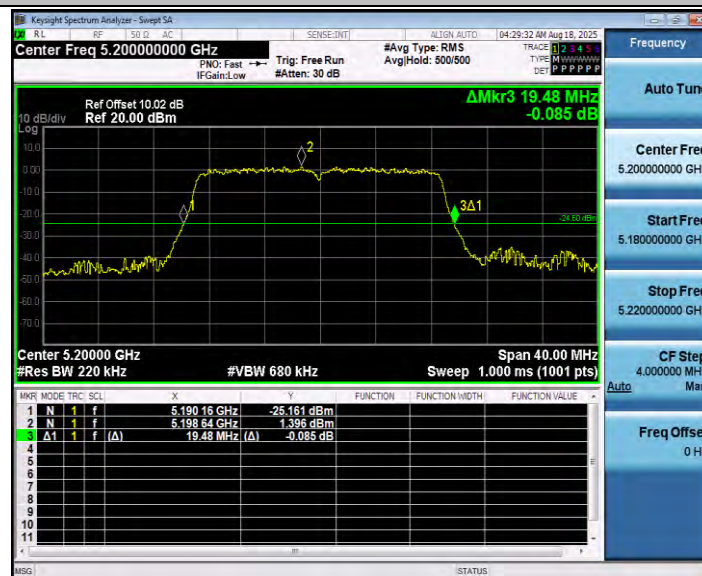
11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



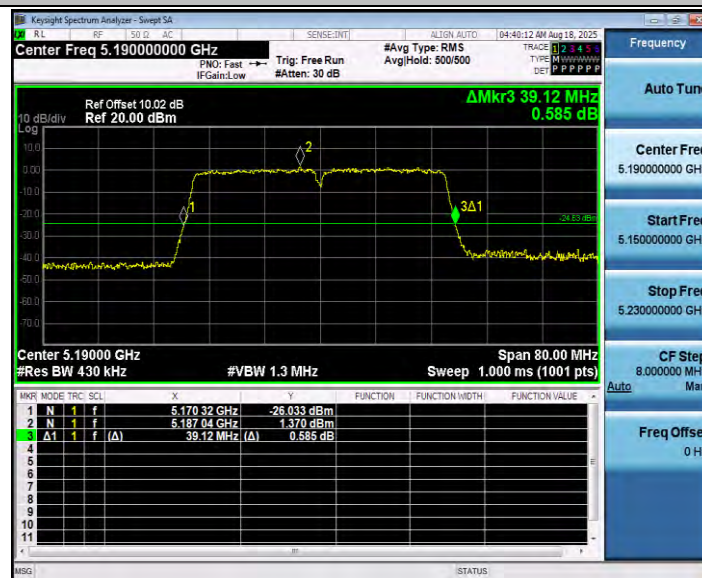
11AC20SISO_Ant2_5200



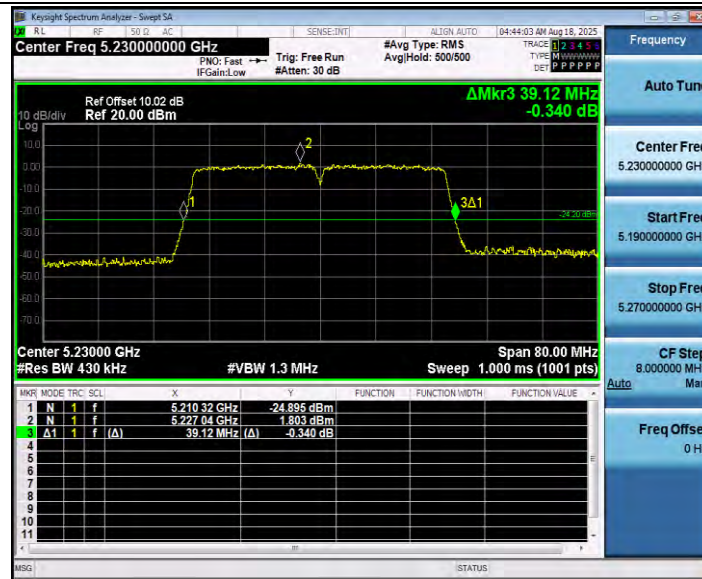
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



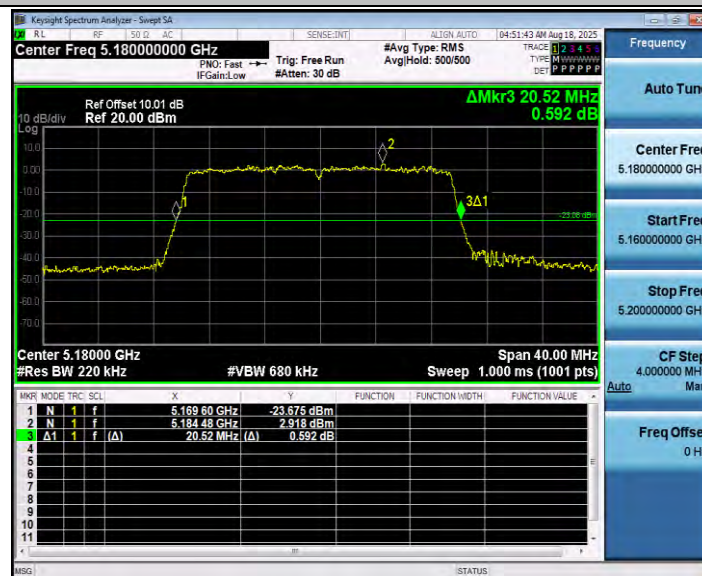
11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



11AX20SISO_Ant2_5180



11AX20SISO_Ant2_5200



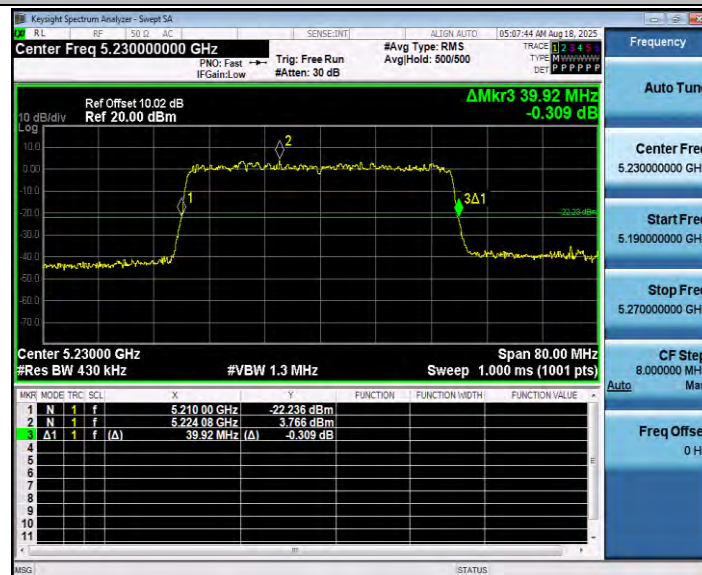
11AX20SISO_Ant2_5240



11AX40SISO_Ant2_5190



11AX40ISO_Ant2_5230



11AX80ISO_Ant2_5210



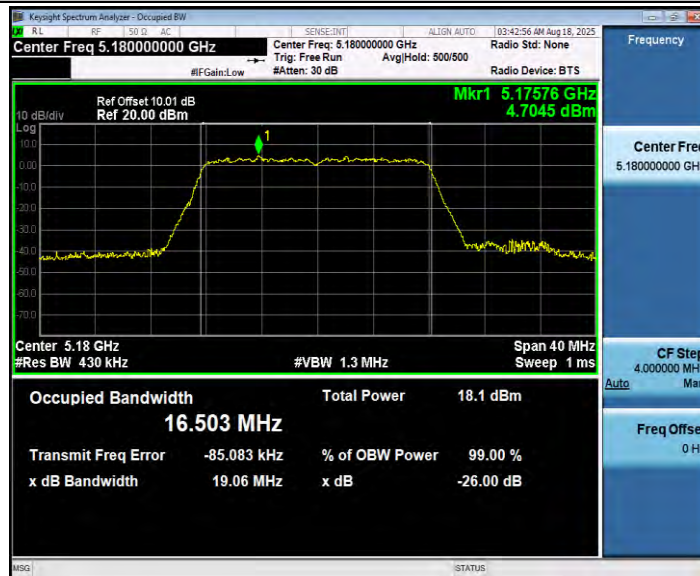
Appendix B.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	16.503	5171.6634	5188.1664	---	---
		5200	16.495	5191.6714	5208.1664	---	---
		5240	16.502	5231.6534	5248.1554	---	---
11N20SISO	Ant2	5180	17.604	5171.0872	5188.6912	---	---
		5200	17.589	5191.0992	5208.6882	---	---
		5240	17.598	5231.0864	5248.6844	---	---
11N40SISO	Ant2	5190	36.156	5171.8858	5208.0418	---	---
		5230	36.150	5211.8509	5248.0009	---	---
11AC20SISO	Ant2	5180	17.599	5171.1095	5188.7085	---	---
		5200	17.614	5191.0934	5208.7074	---	---
		5240	17.603	5231.0940	5248.6970	---	---
11AC40SISO	Ant2	5190	36.122	5171.8686	5207.9906	---	---
		5230	36.106	5211.8506	5247.9566	---	---
11AC80SISO	Ant2	5210	76.889	5171.4064	5248.2954	---	---
11AX20SISO	Ant2	5180	18.956	5170.4066	5189.3626	---	---
		5200	18.948	5190.4186	5209.3666	---	---
		5240	19.003	5230.3878	5249.3908	---	---
11AX40SISO	Ant2	5190	37.684	5171.0849	5208.7689	---	---
		5230	37.720	5211.0130	5248.7330	---	---
11AX80SISO	Ant2	5210	77.652	5171.1206	5248.7726	---	---

Test Graphs

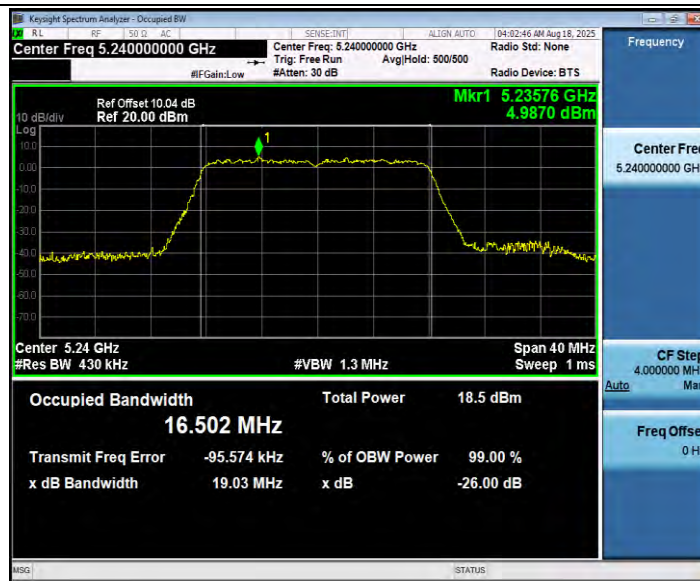
11A_Ant2_5180



11A_Ant2_5200



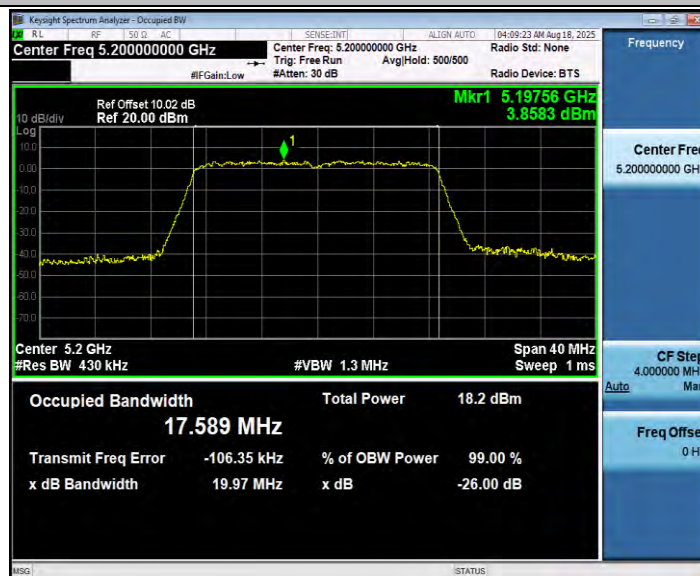
11A_Ant2_5240



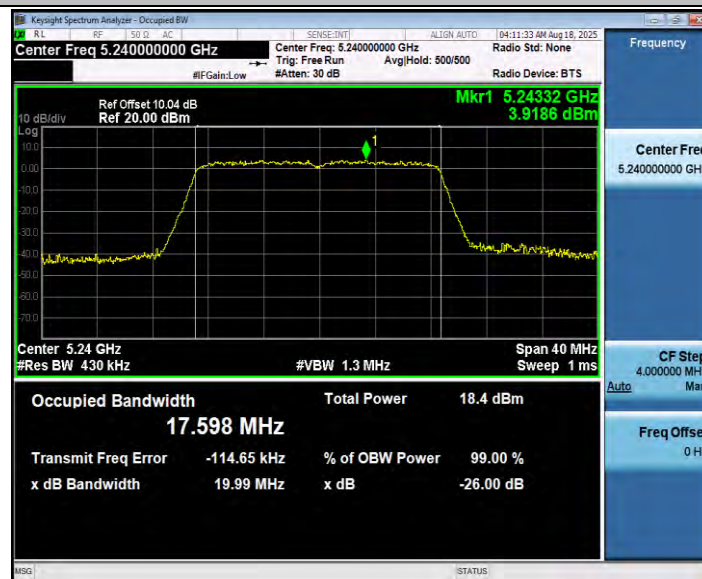
11N20SISO_Ant2_5180



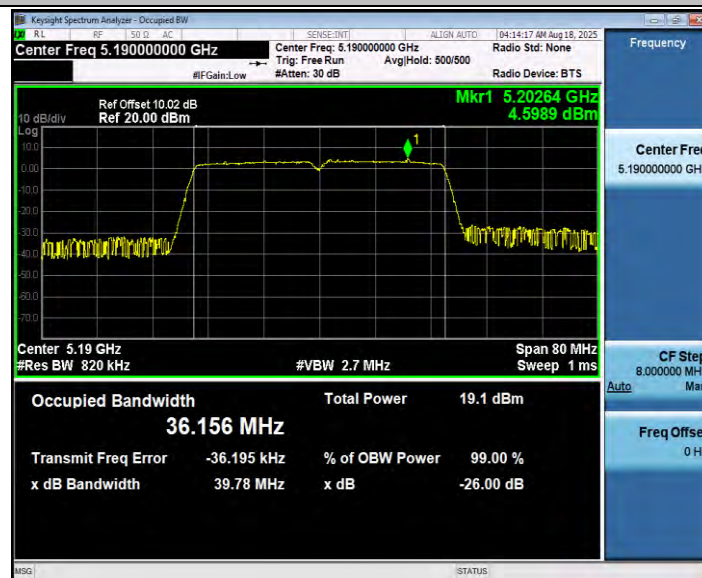
11N20SISO_Ant2_5200



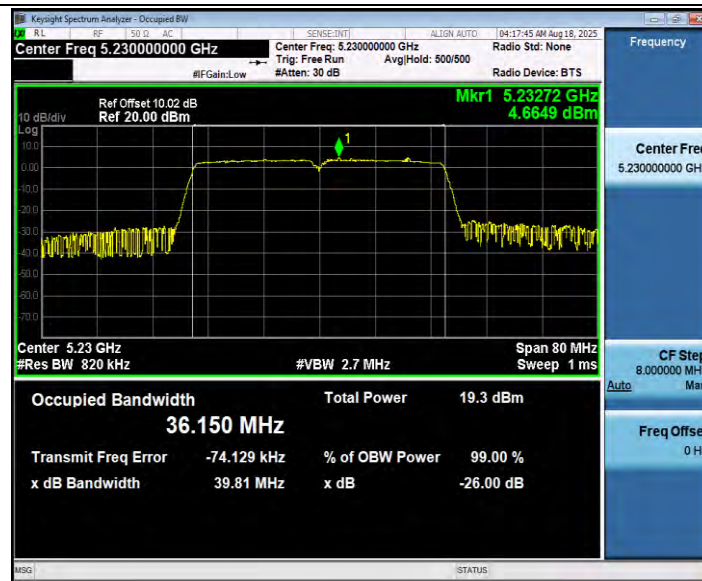
11N20SISO_Ant2_5240



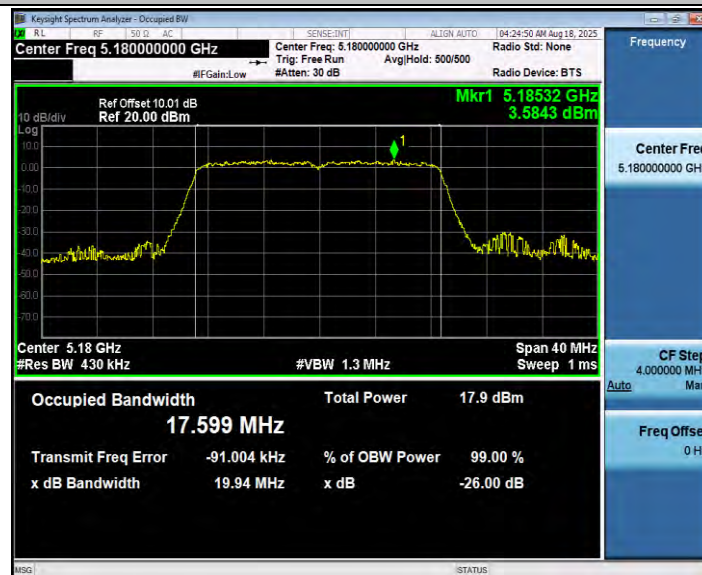
11N40SISO_Ant2_5190



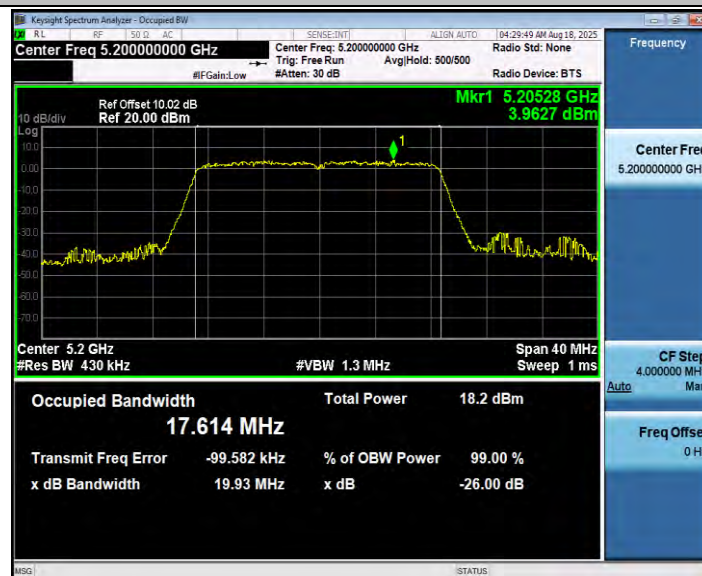
11N40SISO_Ant2_5230



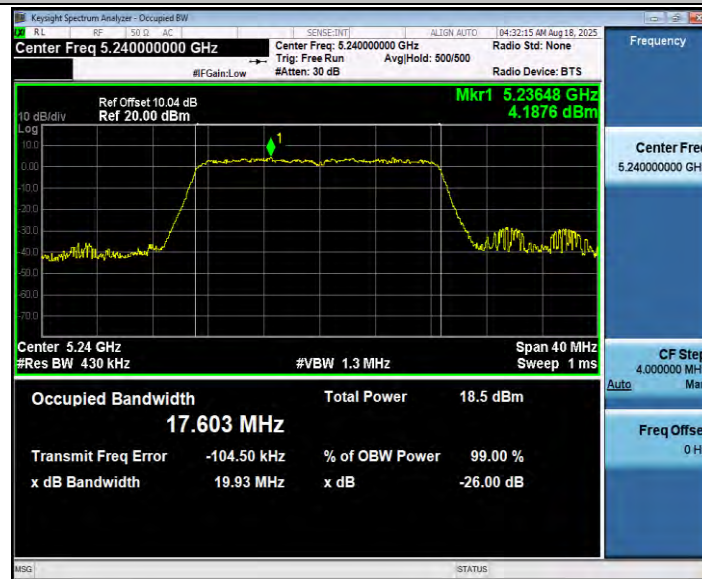
11AC20SISO_Ant2_5180



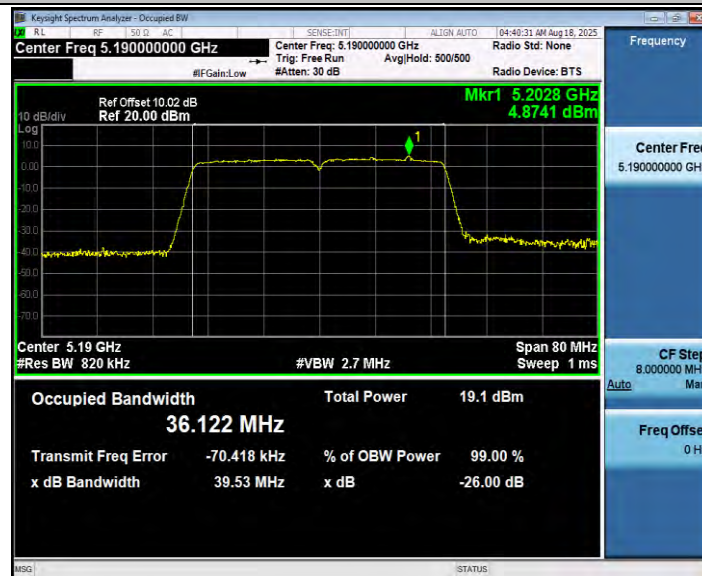
11AC20SISO_Ant2_5200



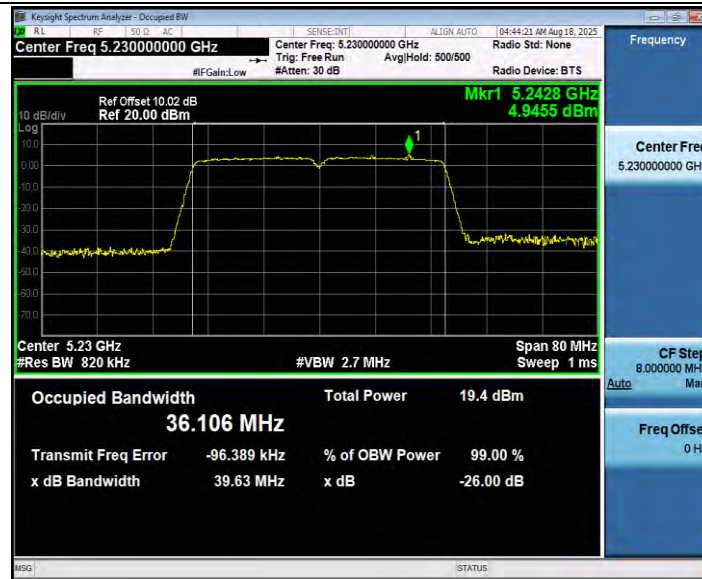
11AC20SISO_Ant2_5240



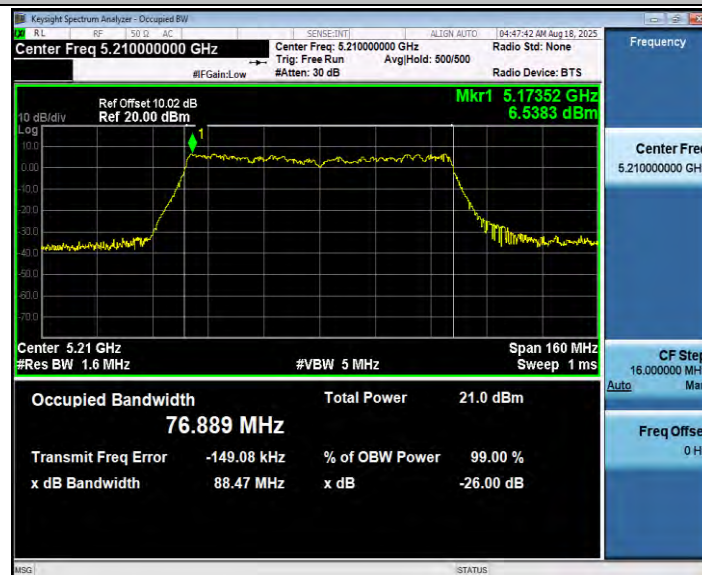
11AC40SISO_Ant2_5190



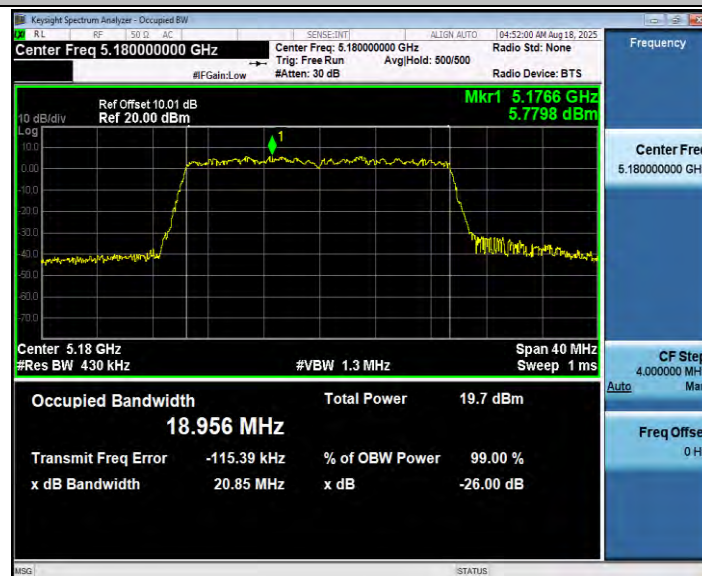
11AC40SISO_Ant2_5230



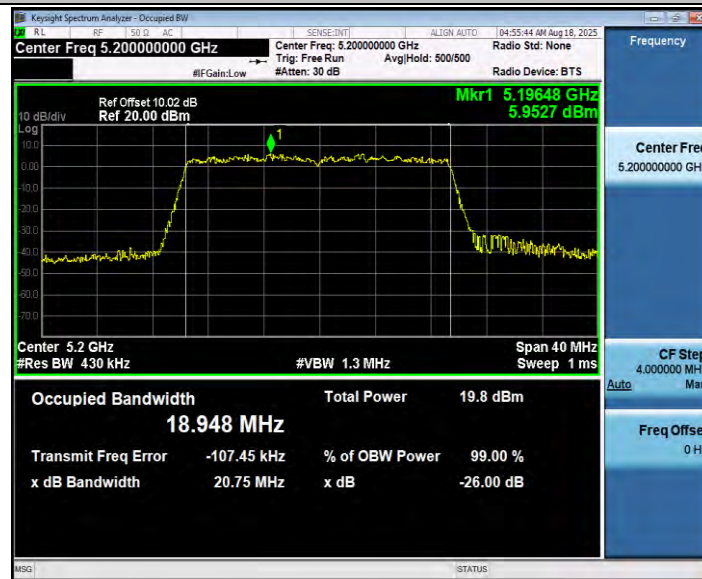
11AC80SISO_Ant2_5210



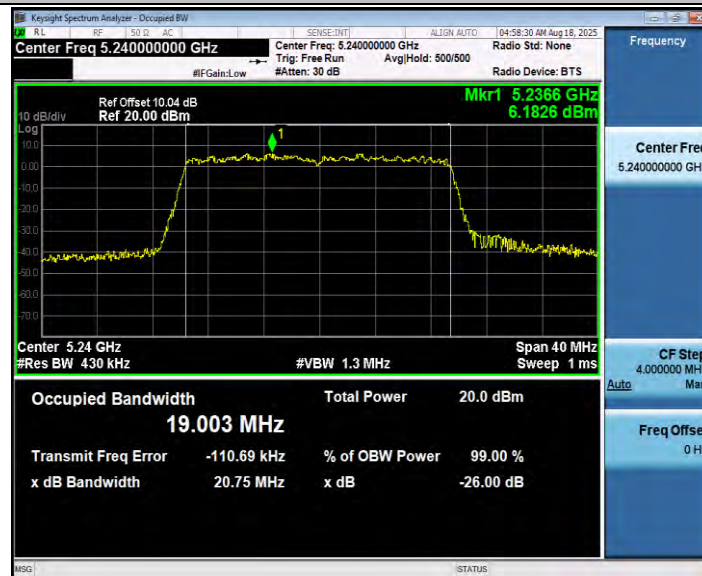
11AX20SISO_Ant2_5180



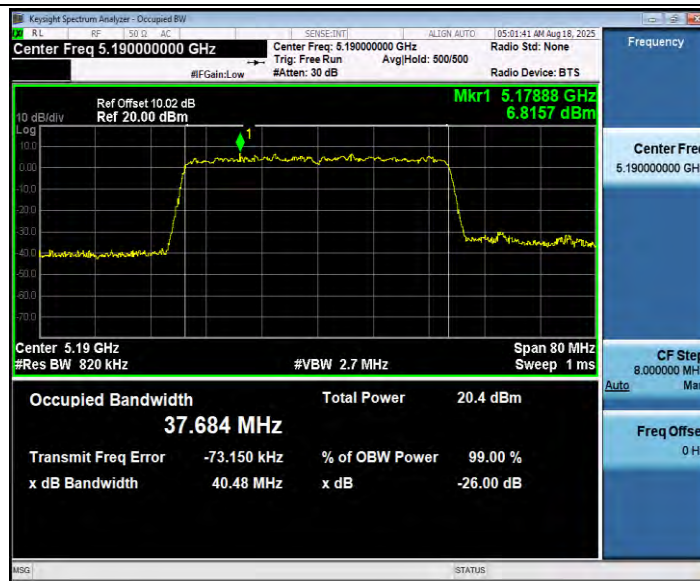
11AX20SISO_Ant2_5200



11AX20SISO_Ant2_5240



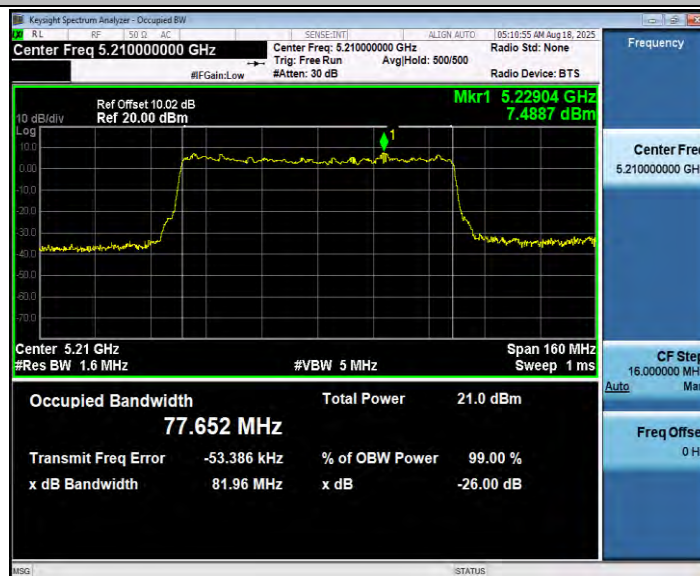
11AX40SISO_Ant2_5190



11AX40ISO_Ant2_5230



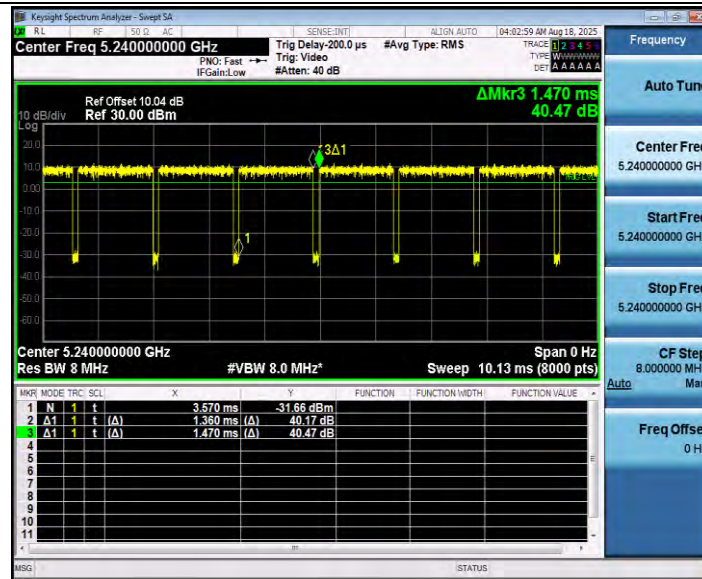
11AX80ISO_Ant2_5210



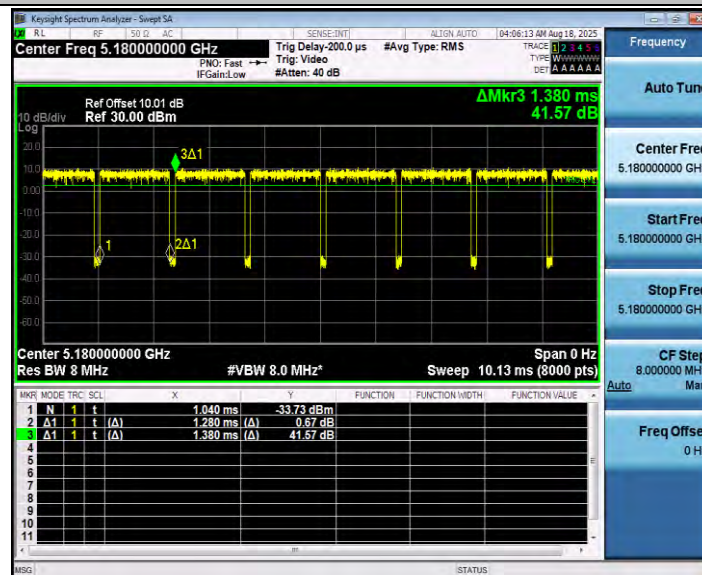
AppendixB.3: Duty Cycle

Test Result

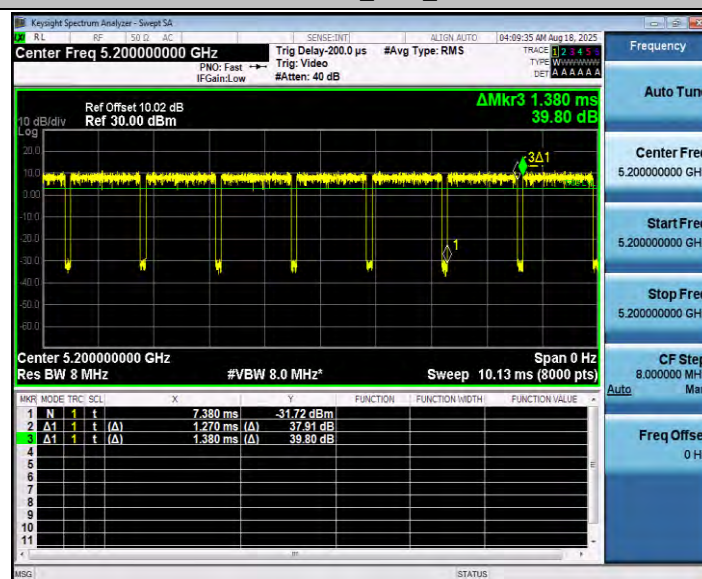
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	1.35	1.46	92.47	0.34	0.74
		5200	1.35	1.46	92.47	0.34	0.74
		5240	1.36	1.47	92.52	0.34	0.74
11N20SISO	Ant2	5180	1.28	1.38	92.75	0.33	0.78
		5200	1.27	1.38	92.03	0.36	0.79
		5240	1.27	1.37	92.70	0.33	0.79
11N40SISO	Ant2	5190	0.63	0.74	85.14	0.70	1.59
		5230	0.63	0.73	86.30	0.64	1.59
11AC20SISO	Ant2	5180	1.27	1.38	92.03	0.36	0.79
		5200	1.27	1.38	92.03	0.36	0.79
		5240	1.28	1.38	92.75	0.33	0.78
11AC40SISO	Ant2	5190	0.64	0.74	86.49	0.63	1.56
		5230	0.63	0.74	85.14	0.70	1.59
11AC80SISO	Ant2	5210	0.31	0.41	75.61	1.21	3.23
11AX20SISO	Ant2	5180	0.99	1.09	90.83	0.42	1.01
		5200	0.99	1.09	90.83	0.42	1.01
		5240	0.98	1.09	89.91	0.46	1.02
11AX40SISO	Ant2	5190	0.52	0.62	83.87	0.76	1.92
		5230	0.52	0.62	83.87	0.76	1.92
11AX80SISO	Ant2	5210	0.28	0.38	73.68	1.33	3.57



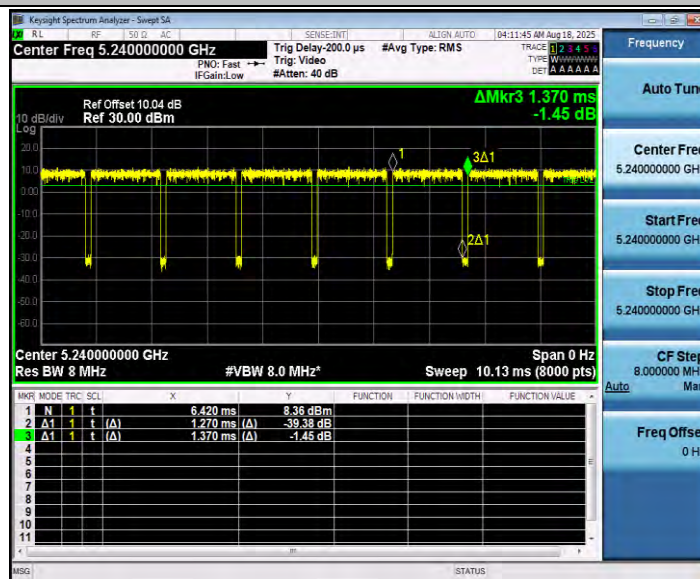
11N20SISO_Ant2_5180



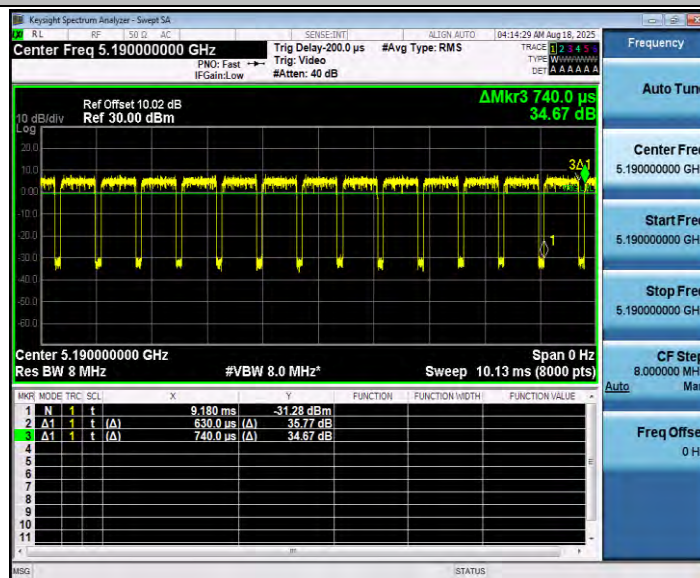
11N20SISO_Ant2_5200



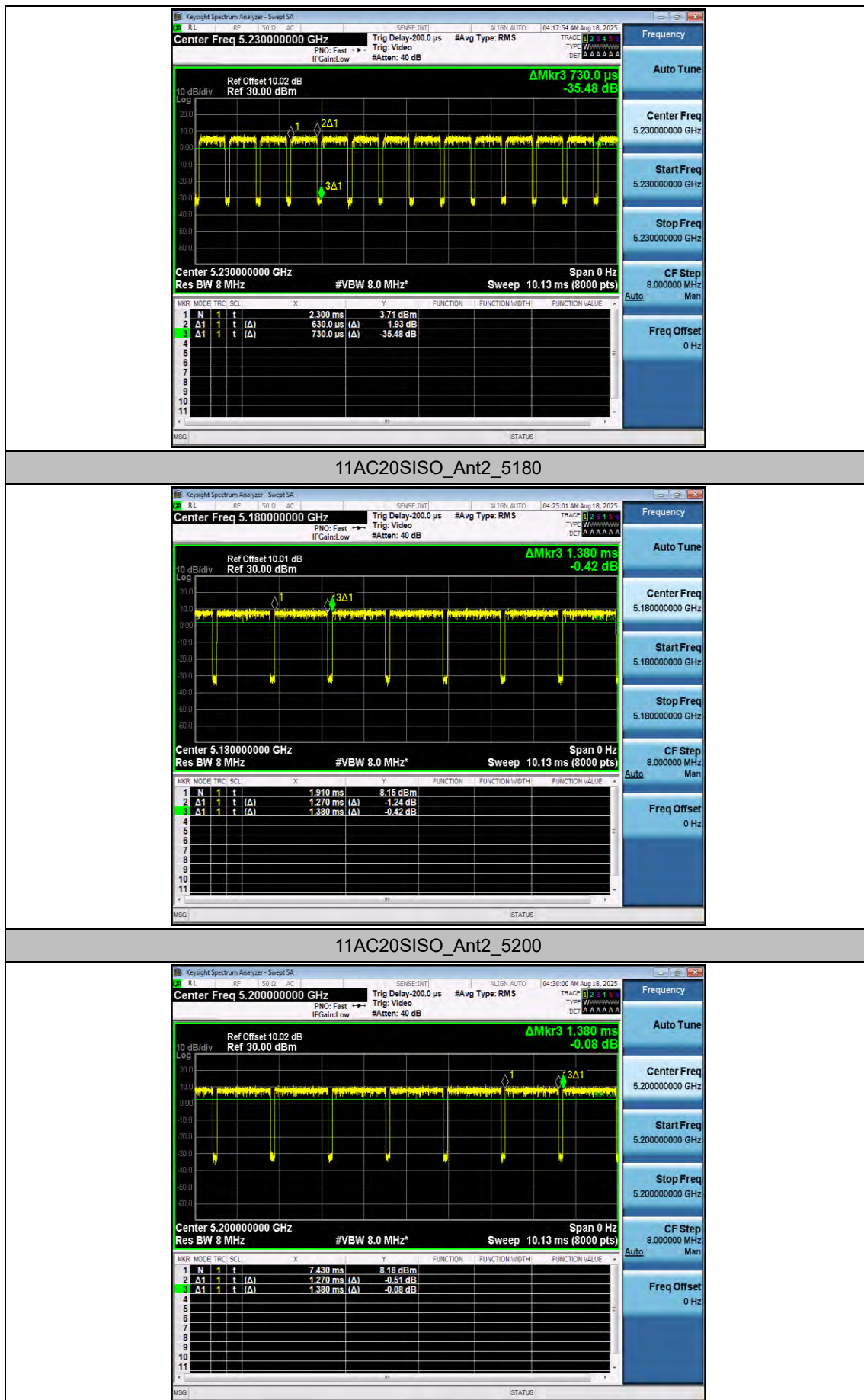
11N20SISO_Ant2_5240

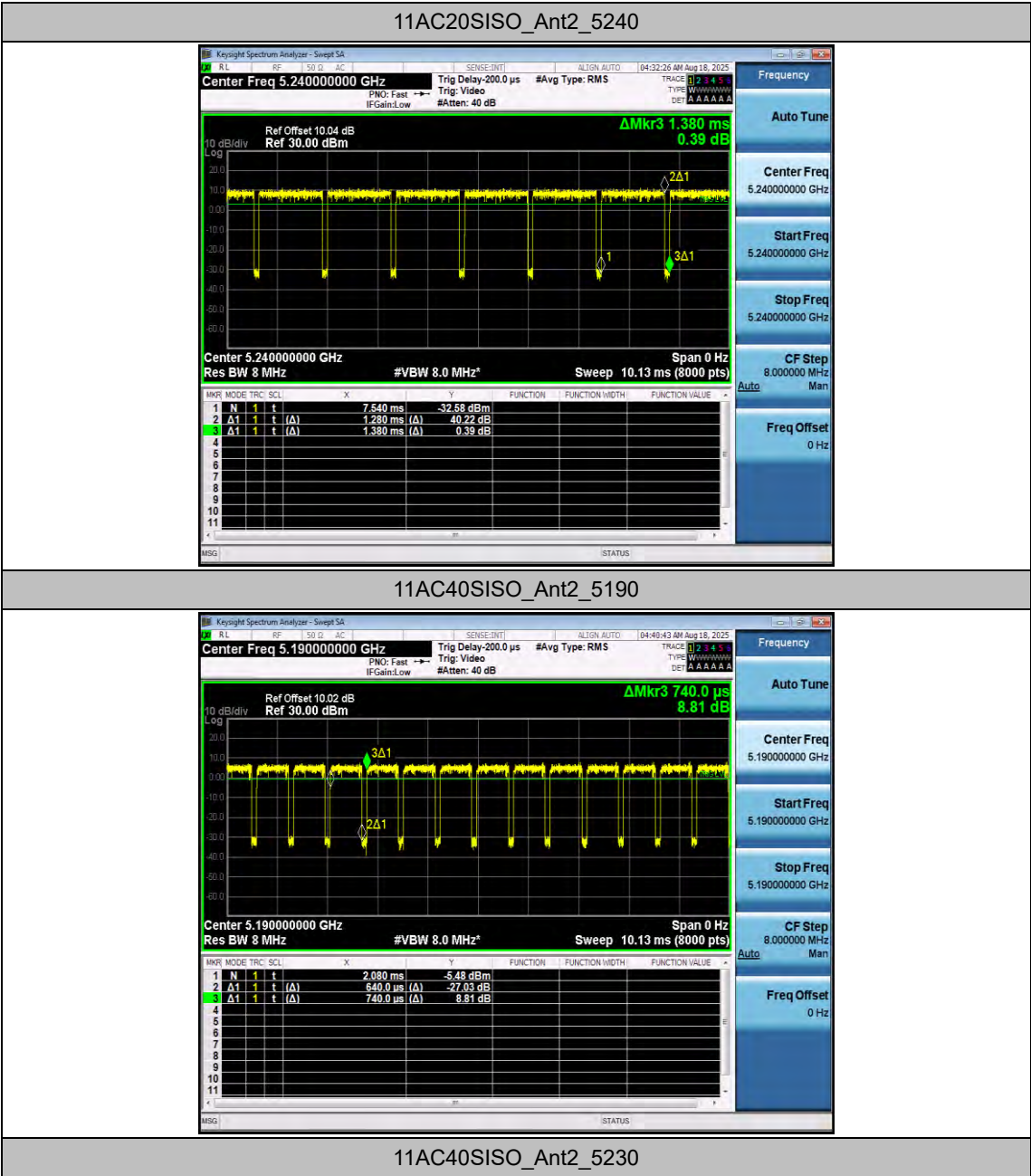


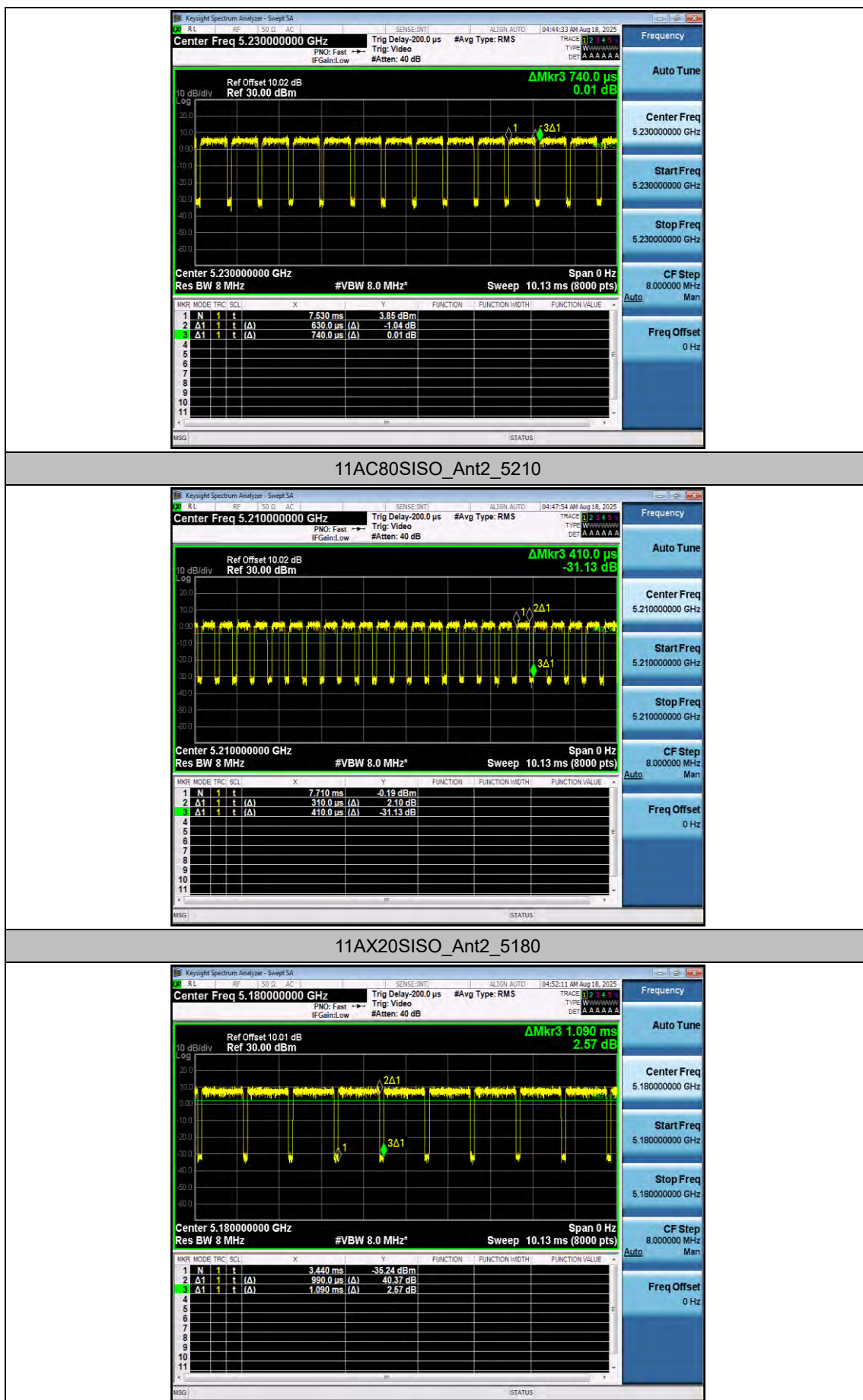
11N40SISO_Ant2_5190

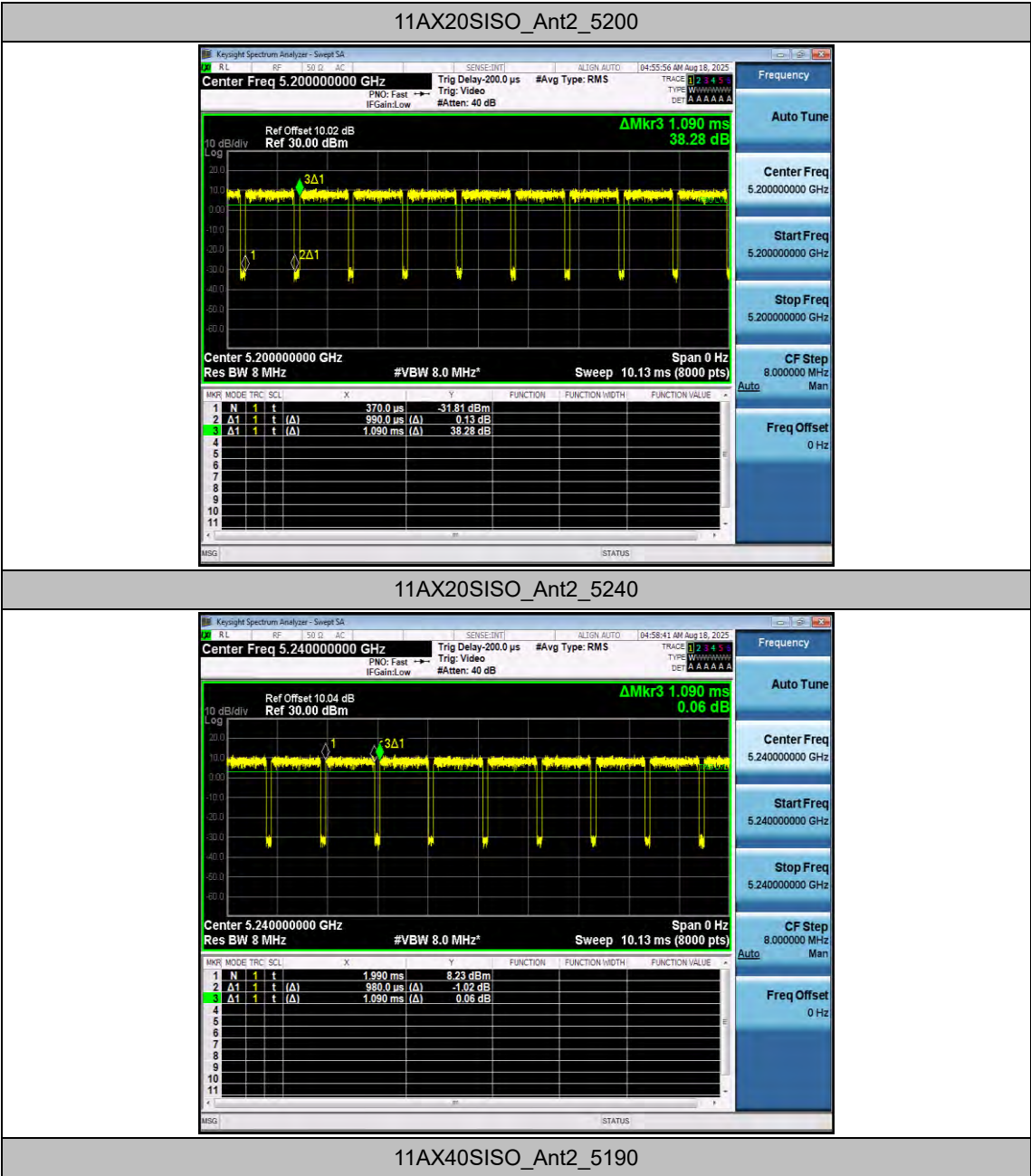


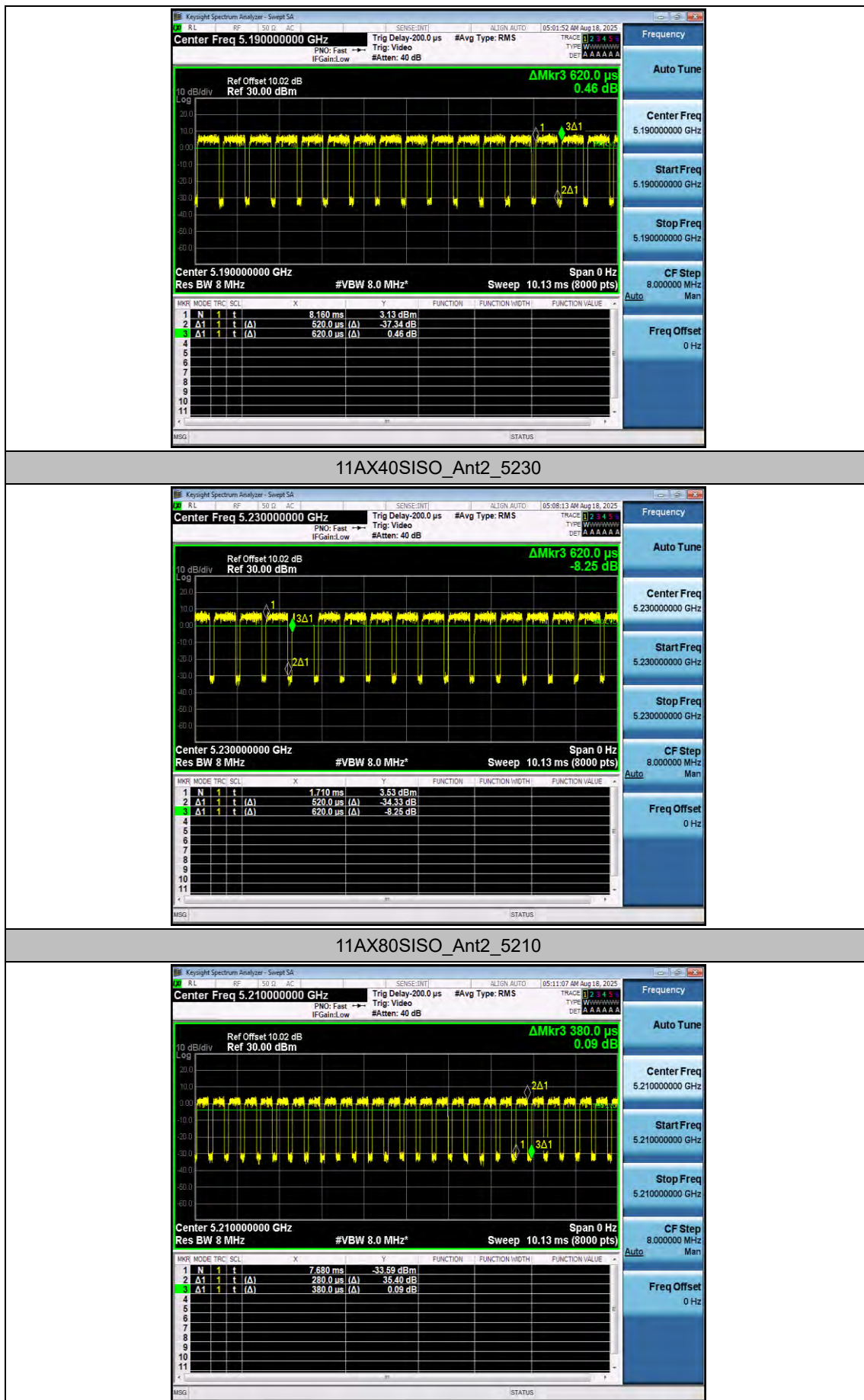
11N40SISO_Ant2_5230











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	Ant2	5180	11.37	92.47	0.34	11.71	≤23.98	PASS
		5200	11.56	92.47	0.34	11.90	≤23.98	PASS
		5240	11.70	92.52	0.34	12.04	≤23.98	PASS
11N20SISO	Ant2	5180	11.11	92.75	0.33	11.44	≤23.98	PASS
		5200	11.31	92.03	0.36	11.67	≤23.98	PASS
		5240	11.54	92.70	0.33	11.87	≤23.98	PASS
11N40SISO	Ant2	5190	11.21	85.14	0.70	11.91	≤23.98	PASS
		5230	11.41	86.30	0.64	12.05	≤23.98	PASS
11AC20SISO	Ant2	5180	10.92	92.03	0.36	11.28	≤23.98	PASS
		5200	11.26	92.03	0.36	11.62	≤23.98	PASS
		5240	11.52	92.75	0.33	11.85	≤23.98	PASS
11AC40SISO	Ant2	5190	11.22	86.49	0.63	11.85	≤23.98	PASS
		5230	11.49	85.14	0.70	12.19	≤23.98	PASS
11AC80SISO	Ant2	5210	11.10	75.61	1.21	12.31	≤23.98	PASS
11AX20SISO	Ant2	5180	11.13	90.83	0.42	11.55	≤23.98	PASS
		5200	11.38	90.83	0.42	11.80	≤23.98	PASS
		5240	11.58	89.91	0.46	12.04	≤23.98	PASS
11AX40SISO	Ant2	5190	11.36	83.87	0.76	12.12	≤23.98	PASS
		5230	11.42	83.87	0.76	12.18	≤23.98	PASS
11AX80SISO	Ant2	5210	11.02	73.68	1.33	12.35	≤23.98	PASS

Appendix B.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	0.10	≤11.00	PASS
		5200	0.42	≤11.00	PASS
		5240	0.59	≤11.00	PASS
11N20SISO	Ant2	5180	-0.29	≤11.00	PASS
		5200	0.01	≤11.00	PASS
		5240	0.20	≤11.00	PASS
11N40SISO	Ant2	5190	-2.74	≤11.00	PASS
		5230	-2.66	≤11.00	PASS
11AC20SISO	Ant2	5180	-0.41	≤11.00	PASS
		5200	0.01	≤11.00	PASS
		5240	0.23	≤11.00	PASS
11AC40SISO	Ant2	5190	-2.80	≤11.00	PASS
		5230	-2.53	≤11.00	PASS
11AC80SISO	Ant2	5210	-4.75	≤11.00	PASS
11AX20SISO	Ant2	5180	-0.40	≤11.00	PASS
		5200	-0.08	≤11.00	PASS
		5240	0.20	≤11.00	PASS
11AX40SISO	Ant2	5190	-2.66	≤11.00	PASS
		5230	-2.61	≤11.00	PASS
11AX80SISO	Ant2	5210	-4.56	≤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



11AX40ISO_Ant2_5230



11AX80ISO_Ant2_5210

