

Case No. : <u>GTS20250626004-3-04</u>	
Ambient Condition: <u>24</u> °C, <u>56</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.7.3-2025.9.3</u>	Test Engineer: <u>Evan ouyang</u>

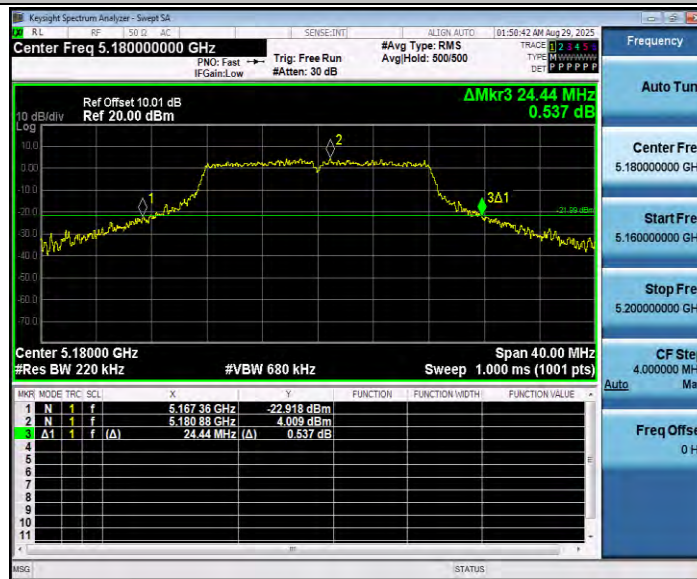
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	24.440	5167.360	5191.800	---	---
		5200	24.520	5187.440	5211.960	---	---
		5240	25.320	5227.800	5253.120	---	---
11N20SISO	Ant2	5180	25.360	5167.360	5192.720	---	---
		5200	25.120	5187.520	5212.640	---	---
		5240	25.440	5227.560	5253.000	---	---
11N40SISO	Ant2	5190	45.120	5167.200	5212.320	---	---
		5230	45.920	5206.640	5252.560	---	---
11AC20SISO	Ant2	5180	24.920	5167.560	5192.480	---	---
		5200	25.400	5187.320	5212.720	---	---
		5240	26.000	5227.200	5253.200	---	---
11AC40SISO	Ant2	5190	47.120	5166.320	5213.440	---	---
		5230	46.400	5206.640	5253.040	---	---
11AX20SISO	Ant2	5180	25.440	5167.160	5192.600	---	---
		5200	24.560	5187.720	5212.280	---	---
		5240	25.520	5227.600	5253.120	---	---
11AX40SISO	Ant2	5190	43.920	5168.320	5212.240	---	---
		5230	44.320	5207.600	5251.920	---	---

Test Graphs

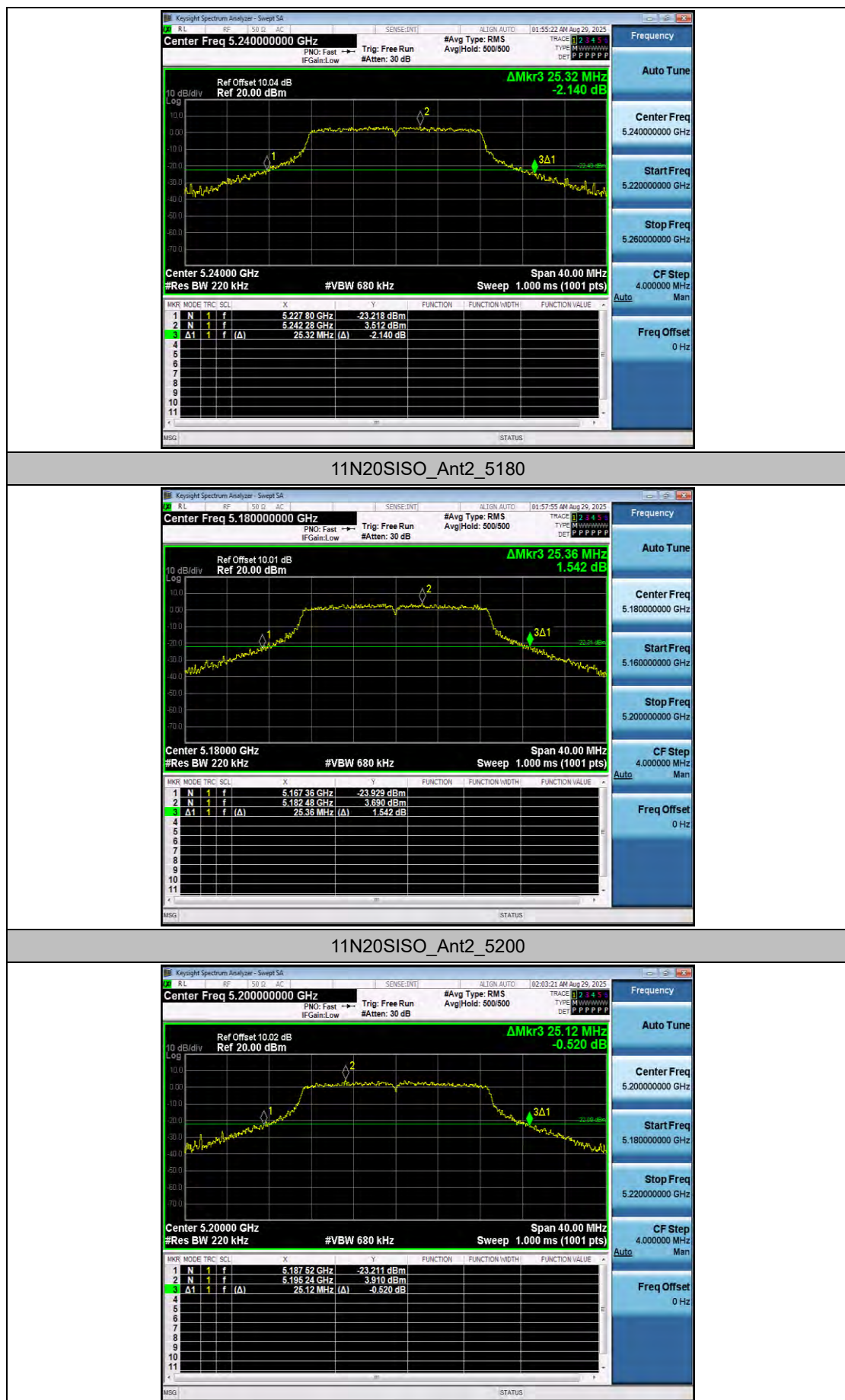
11A_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



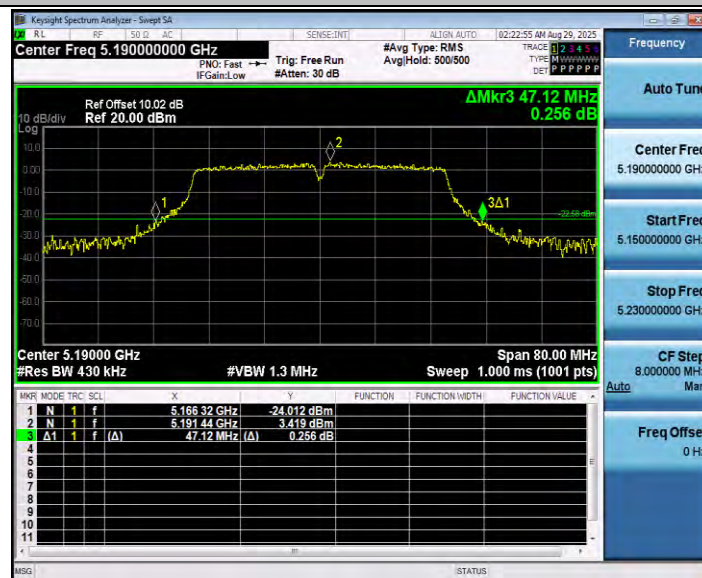
11N40SISO_Ant2_5230



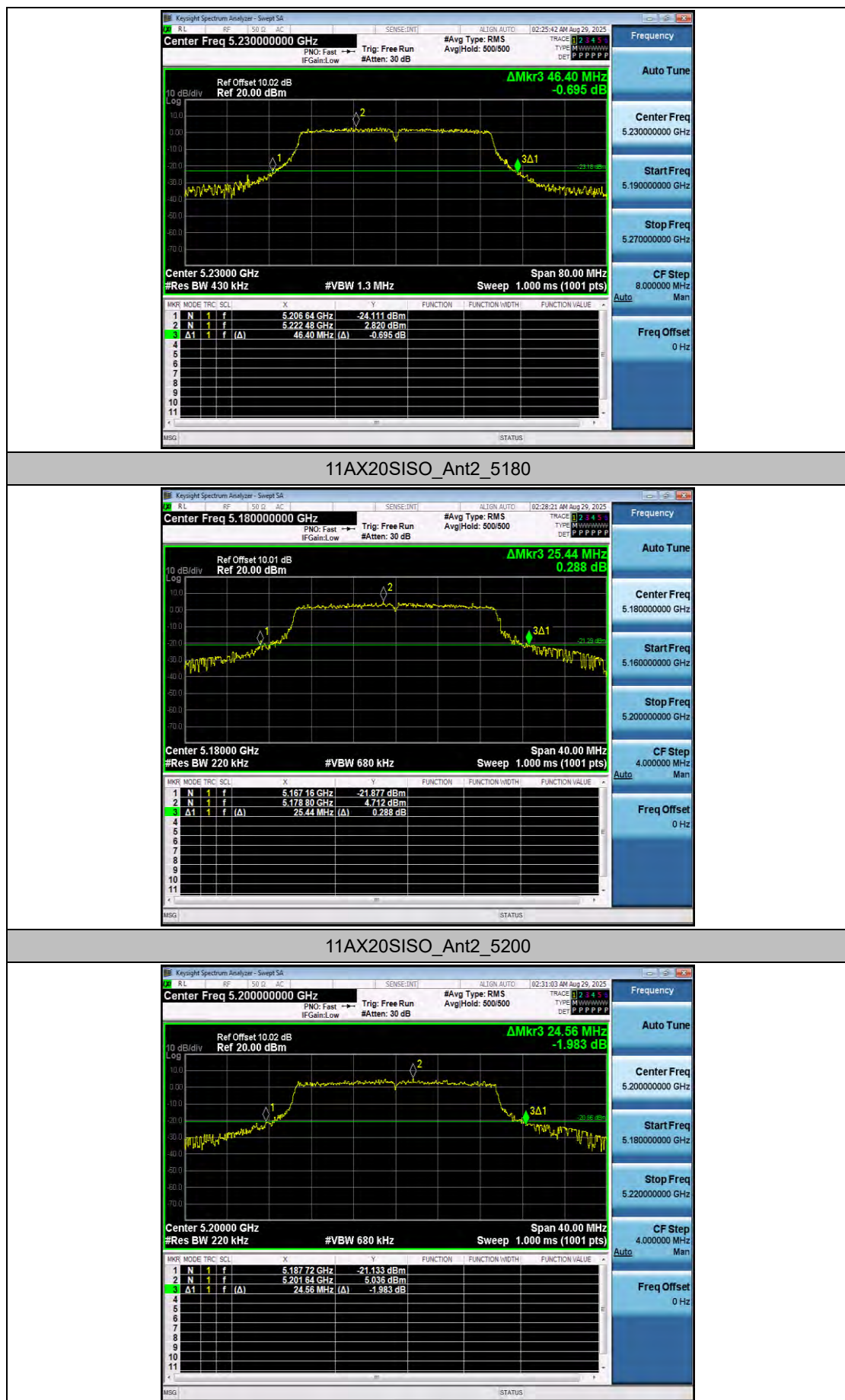
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AX20SISO_Ant2_5240



11AX40SISO_Ant2_5190



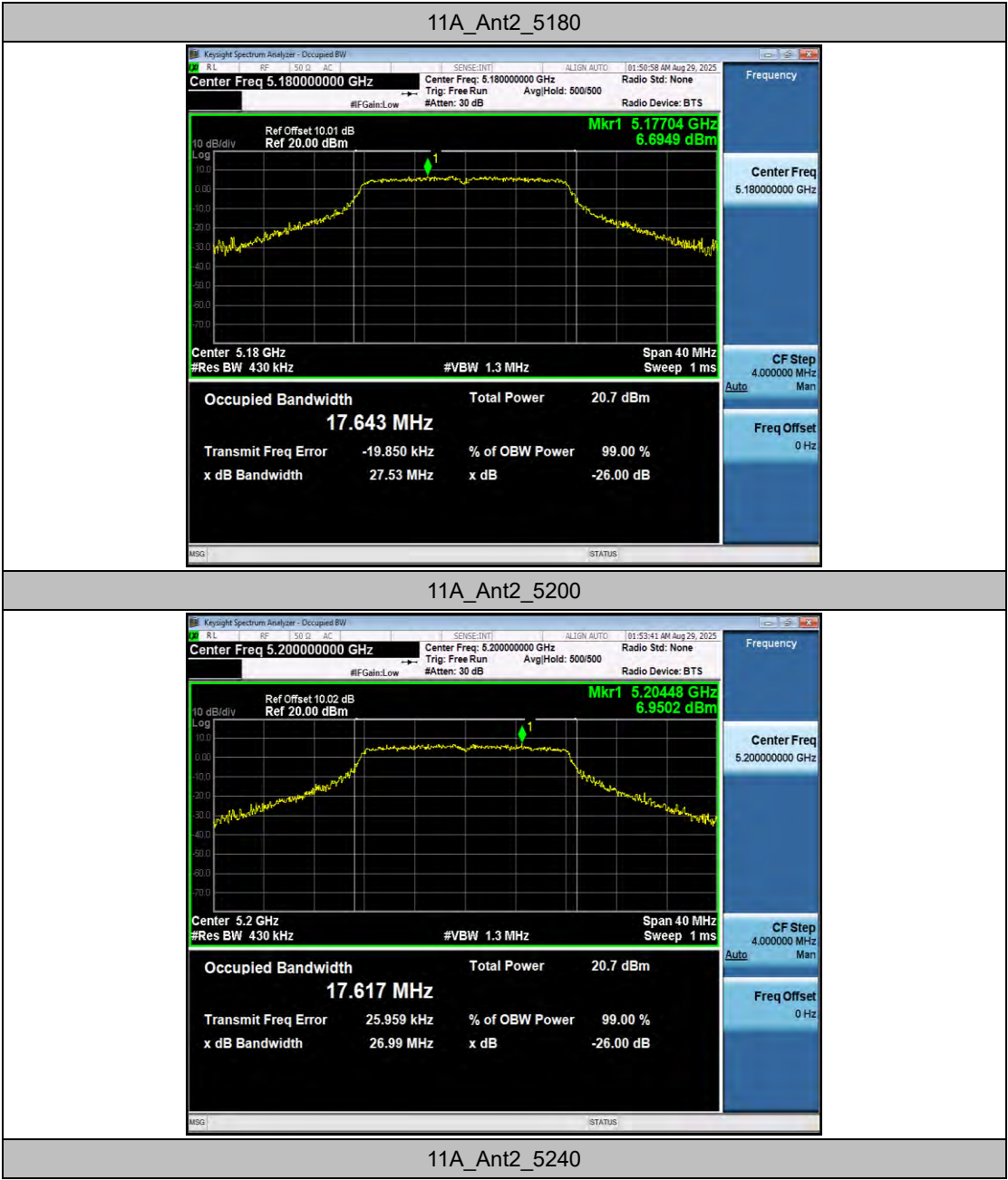
11AX40SISO_Ant2_5230

Appendix D.2: Occupied channel bandwidth

Test Result

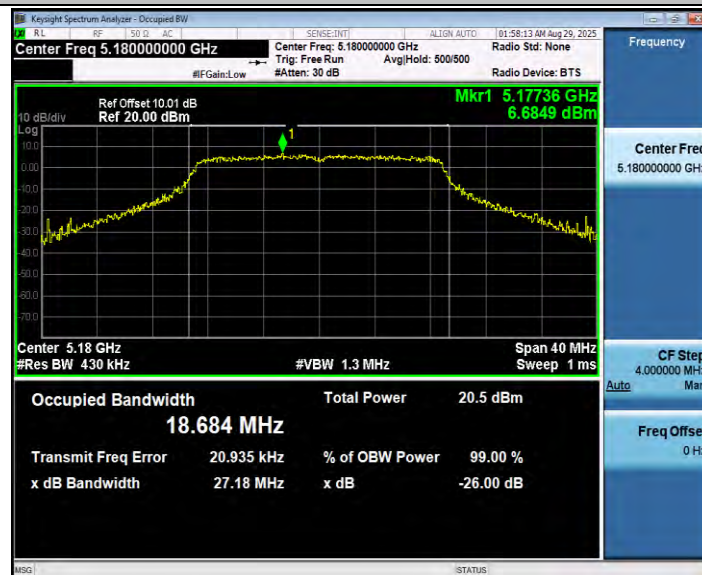
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	17.643	5171.1587	5188.8017	---	---
		5200	17.617	5191.2175	5208.8345	---	---
		5240	17.564	5231.1824	5248.7464	---	---
11N20SISO	Ant2	5180	18.684	5170.6789	5189.3629	---	---
		5200	18.731	5190.6203	5209.3513	---	---
		5240	18.701	5230.6225	5249.3235	---	---
11N40SISO	Ant2	5190	37.123	5171.5059	5208.6289	---	---
		5230	37.266	5211.3773	5248.6433	---	---
11AC20SISO	Ant2	5180	18.753	5170.6342	5189.3872	---	---
		5200	18.763	5190.6763	5209.4393	---	---
		5240	18.741	5230.6213	5249.3623	---	---
11AC40SISO	Ant2	5190	37.239	5171.3970	5208.6360	---	---
		5230	37.317	5211.3083	5248.6253	---	---
11AX20SISO	Ant2	5180	19.450	5170.3119	5189.7619	---	---
		5200	19.416	5190.3106	5209.7266	---	---
		5240	19.473	5230.2664	5249.7394	---	---
11AX40SISO	Ant2	5190	38.087	5170.9927	5209.0797	---	---
		5230	38.280	5210.8709	5249.1509	---	---

Test Graphs





11N20SISO_Ant2_5180



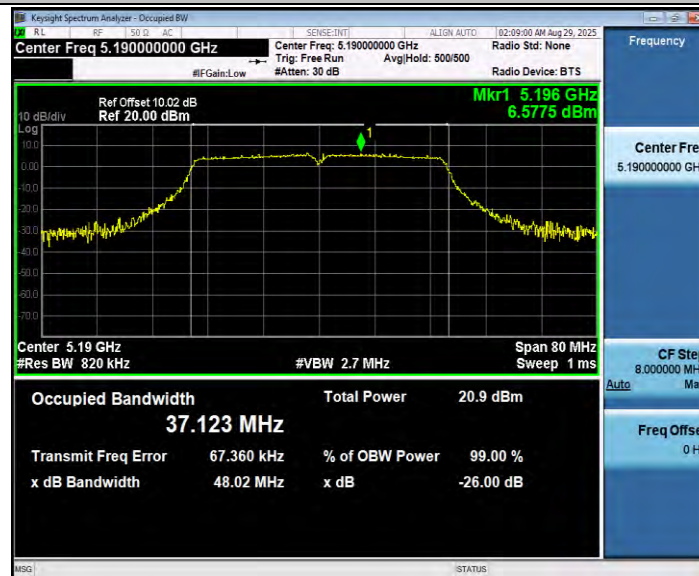
11N20SISO_Ant2_5200



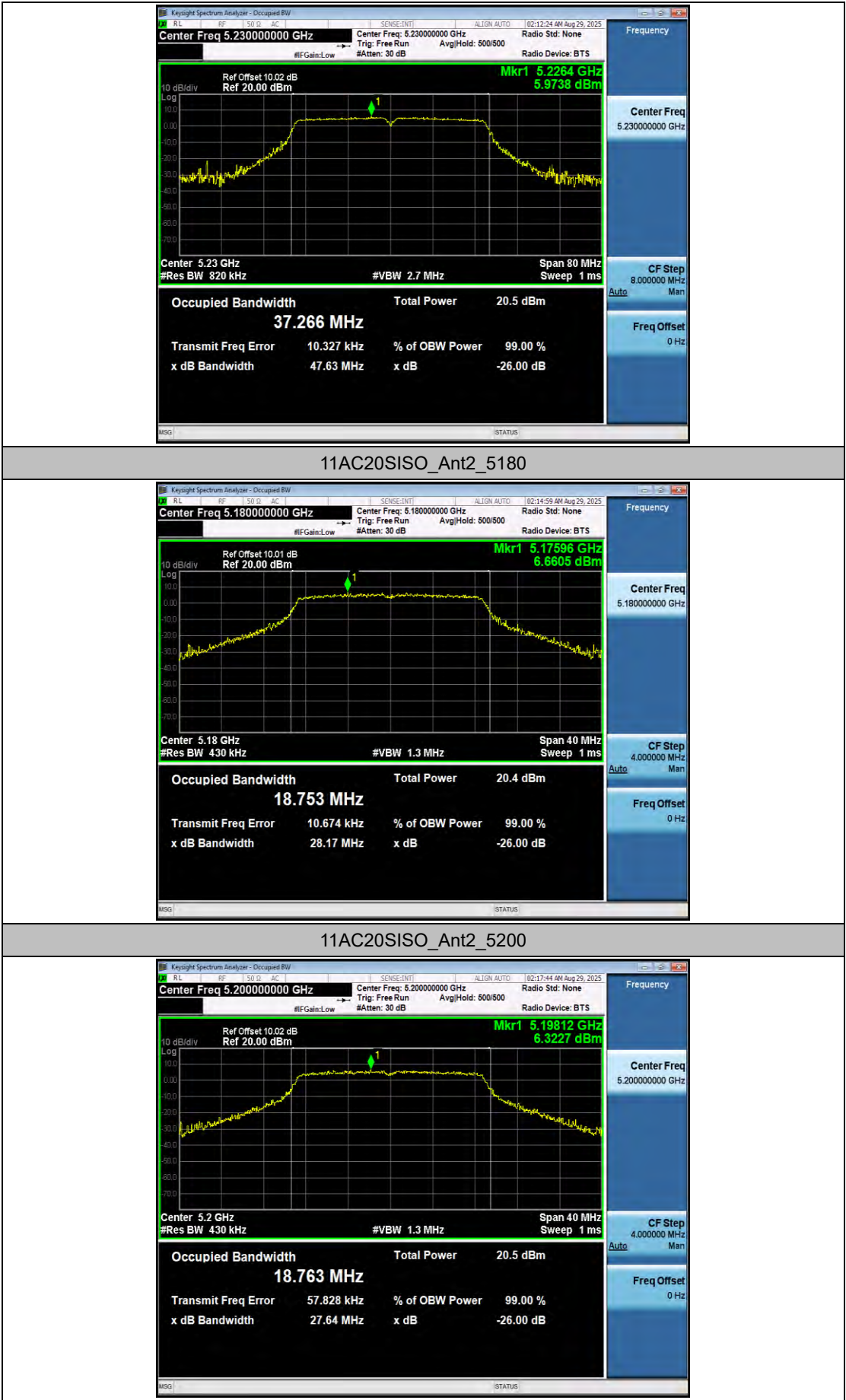
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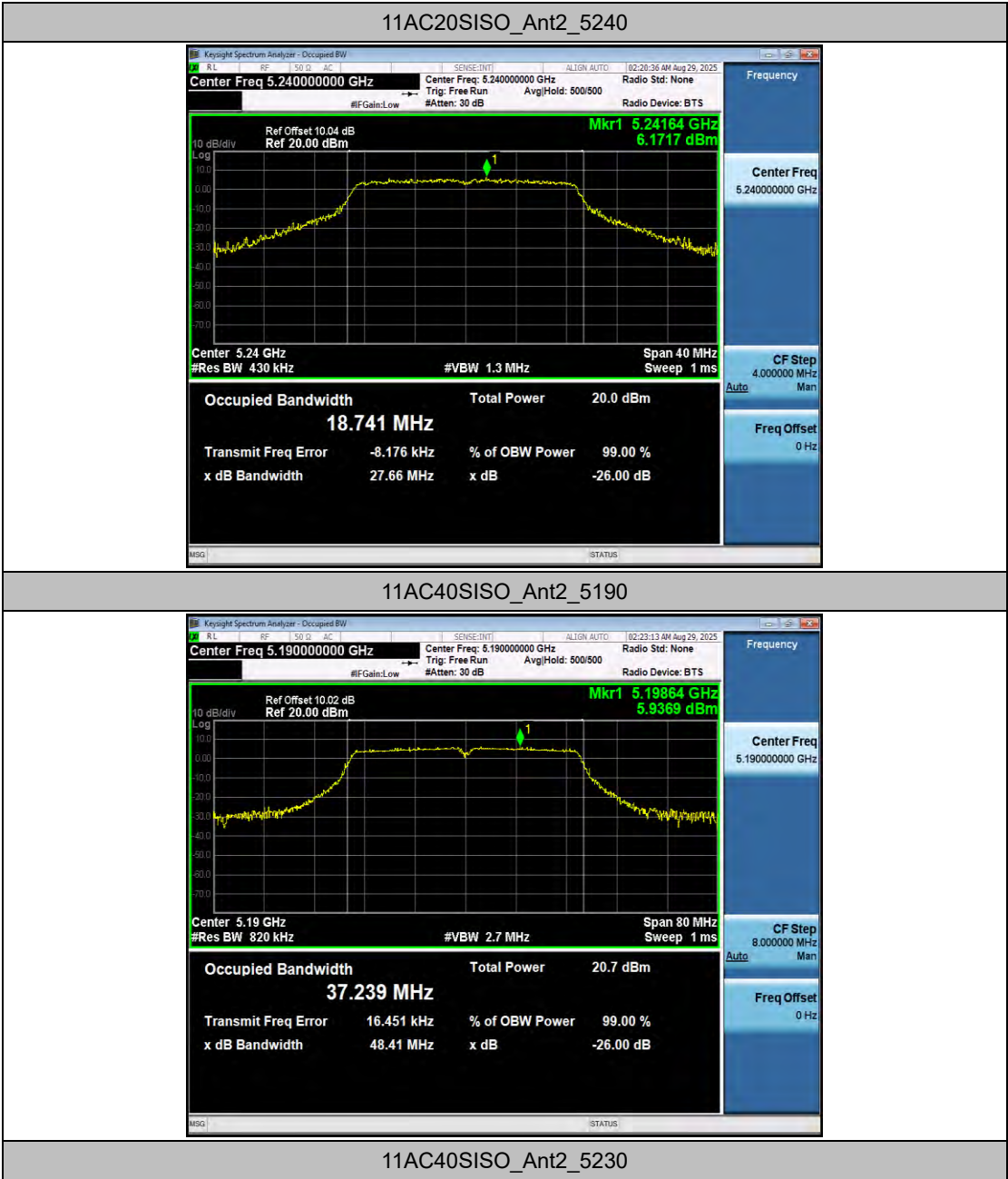


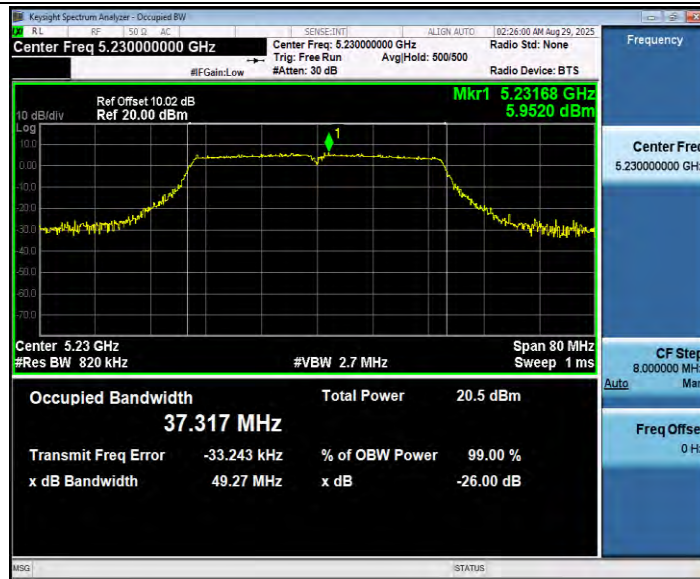
11N40SISO_Ant2_5190



11N40SISO_Ant2_5230





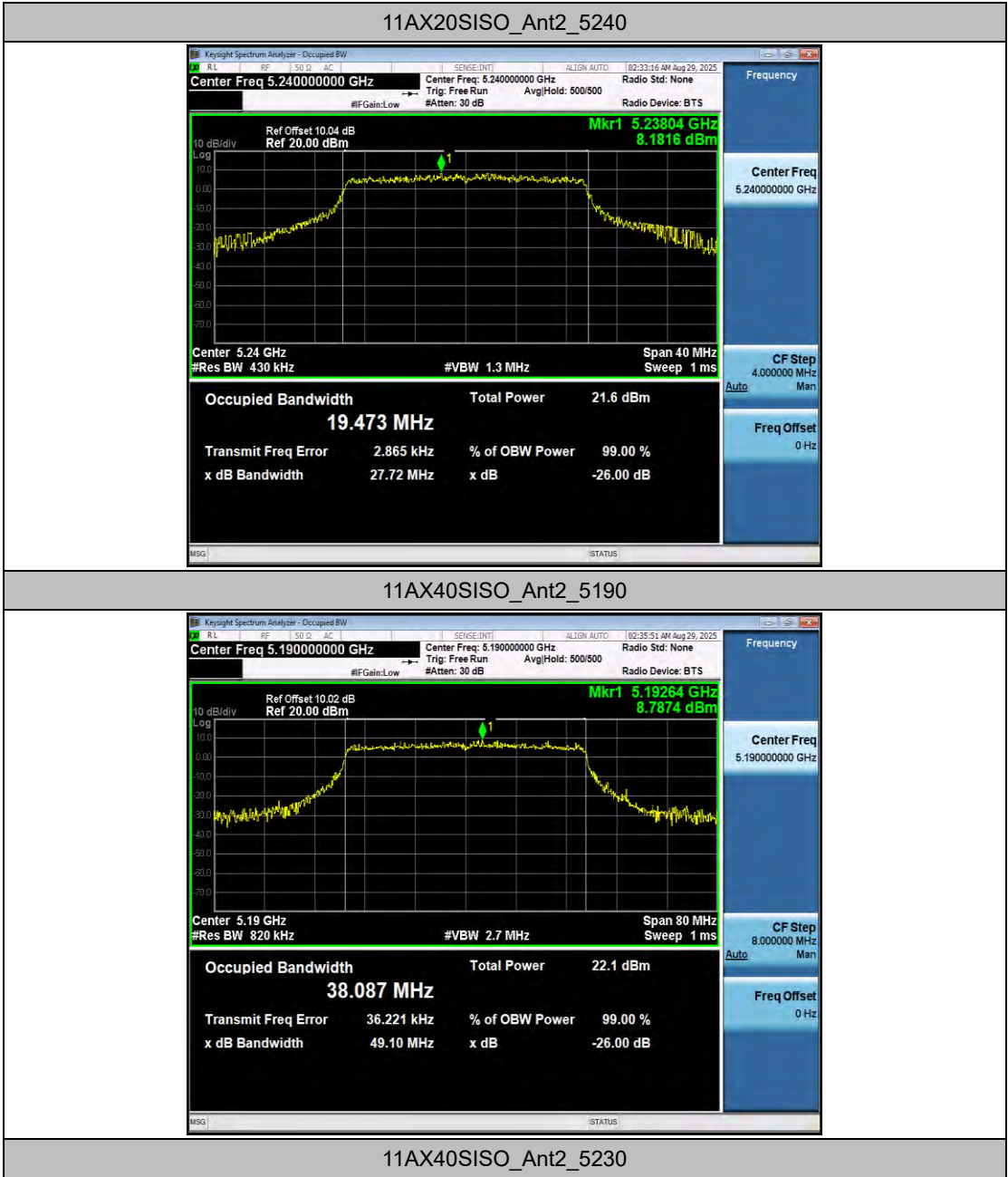


11AX20SISO_Ant2_5180



11AX20SISO_Ant2_5200





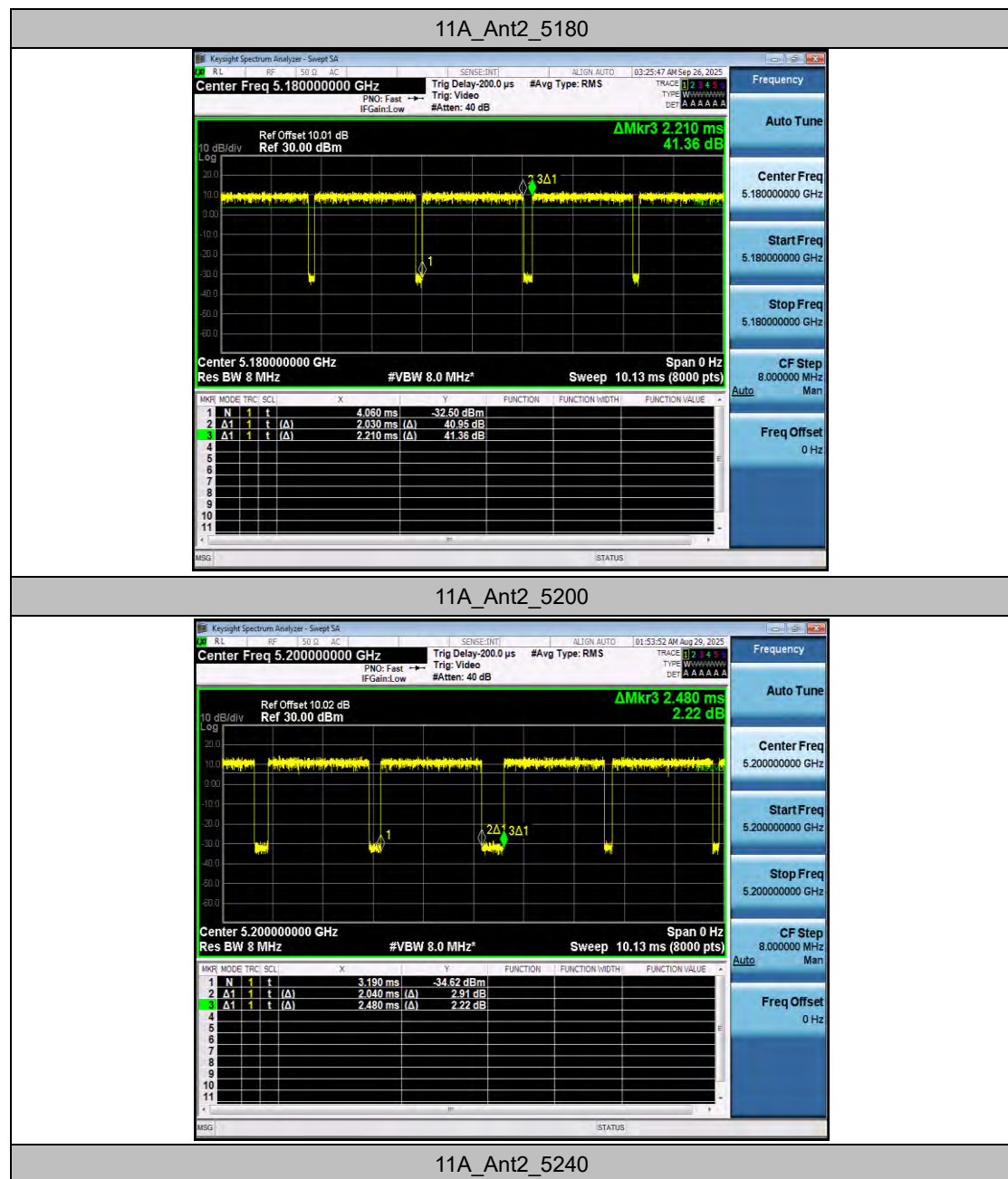


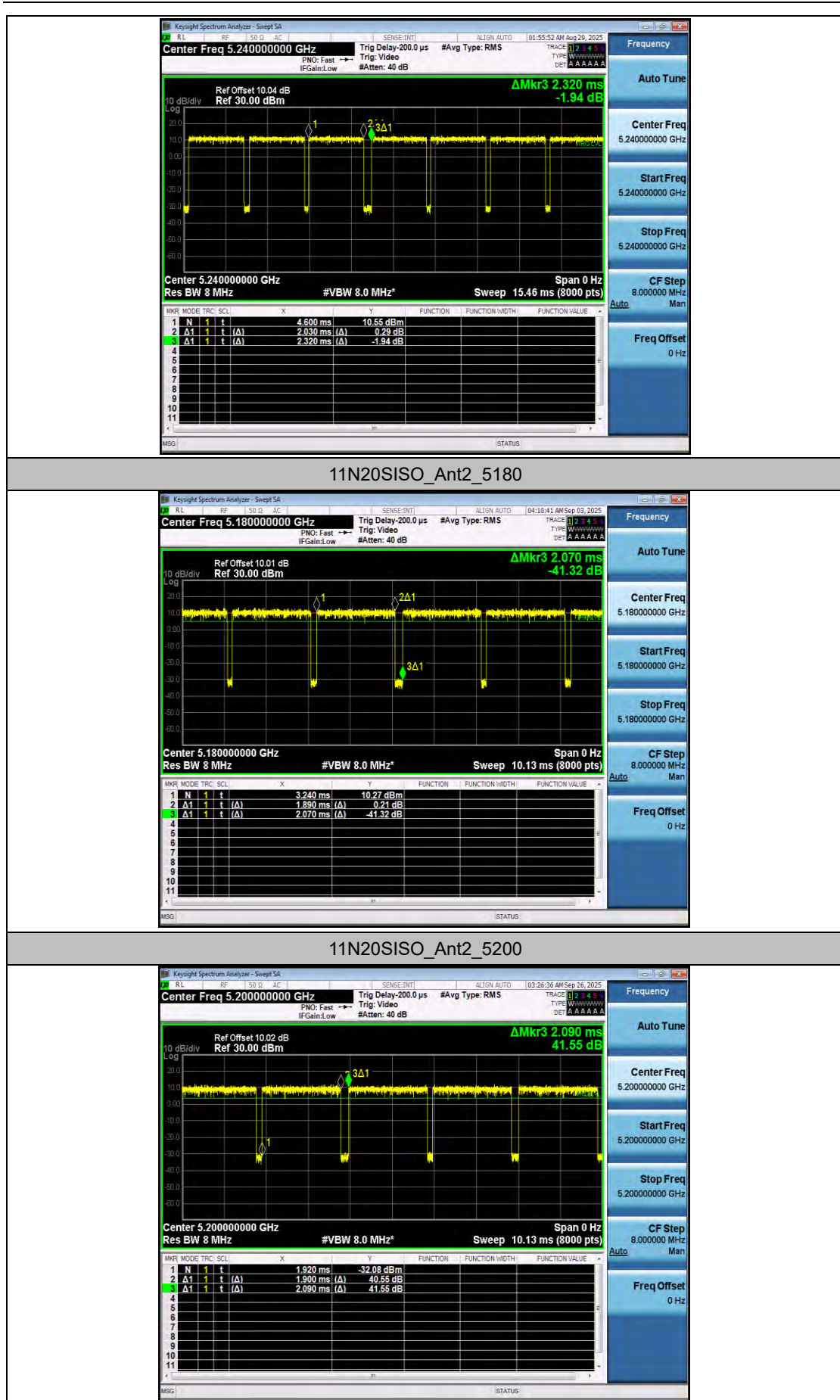
Appendix D.3: Duty Cycle

Test Result

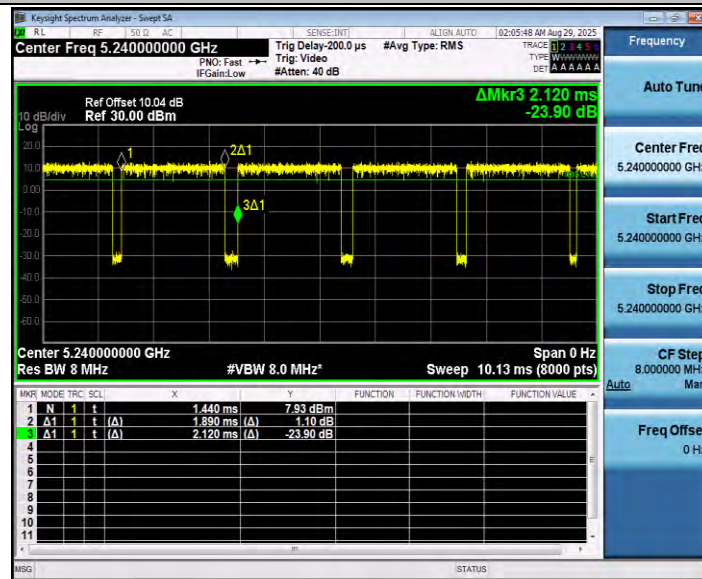
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	2.03	2.21	91.86	0.37	0.49
		5200	2.04	2.48	82.26	0.85	0.49
		5240	2.03	2.32	87.50	0.58	0.49
11N20SISO	Ant2	5180	1.89	2.07	91.30	0.40	0.53
		5200	1.90	2.09	90.91	0.41	0.53
		5240	1.89	2.12	89.15	0.50	0.53
11N40SISO	Ant2	5190	0.93	1.29	72.09	1.42	1.08
		5230	0.94	1.21	77.69	1.10	1.06
11AC20SISO	Ant2	5180	1.90	2.06	92.23	0.35	0.53
		5200	1.90	2.13	89.20	0.50	0.53
		5240	1.90	2.13	89.20	0.50	0.53
11AC40SISO	Ant2	5190	0.93	1.11	83.78	0.77	1.08
		5230	0.93	1.15	80.87	0.92	1.08
11AX20SISO	Ant2	5180	1.46	1.68	86.90	0.61	0.68
		5200	1.46	1.59	91.82	0.37	0.68
		5240	1.46	1.68	86.90	0.61	0.68
11AX40SISO	Ant2	5190	0.76	1.06	71.70	1.44	1.32
		5230	0.76	0.94	80.85	0.92	1.32

Test Graphs

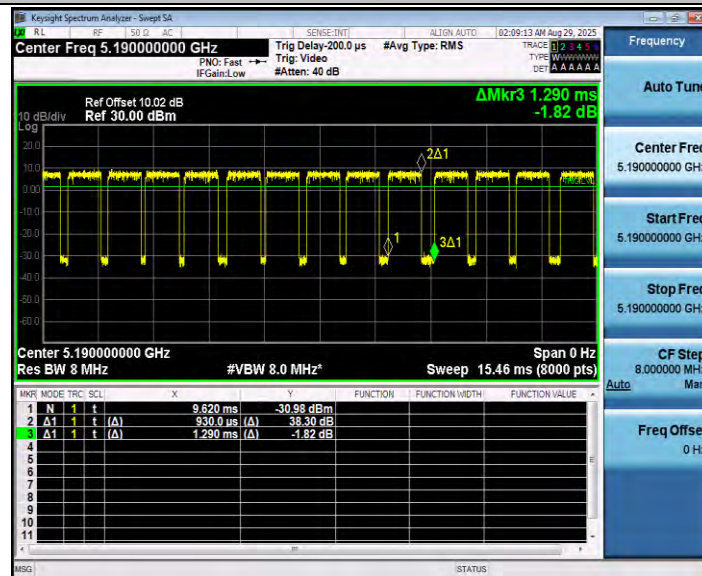




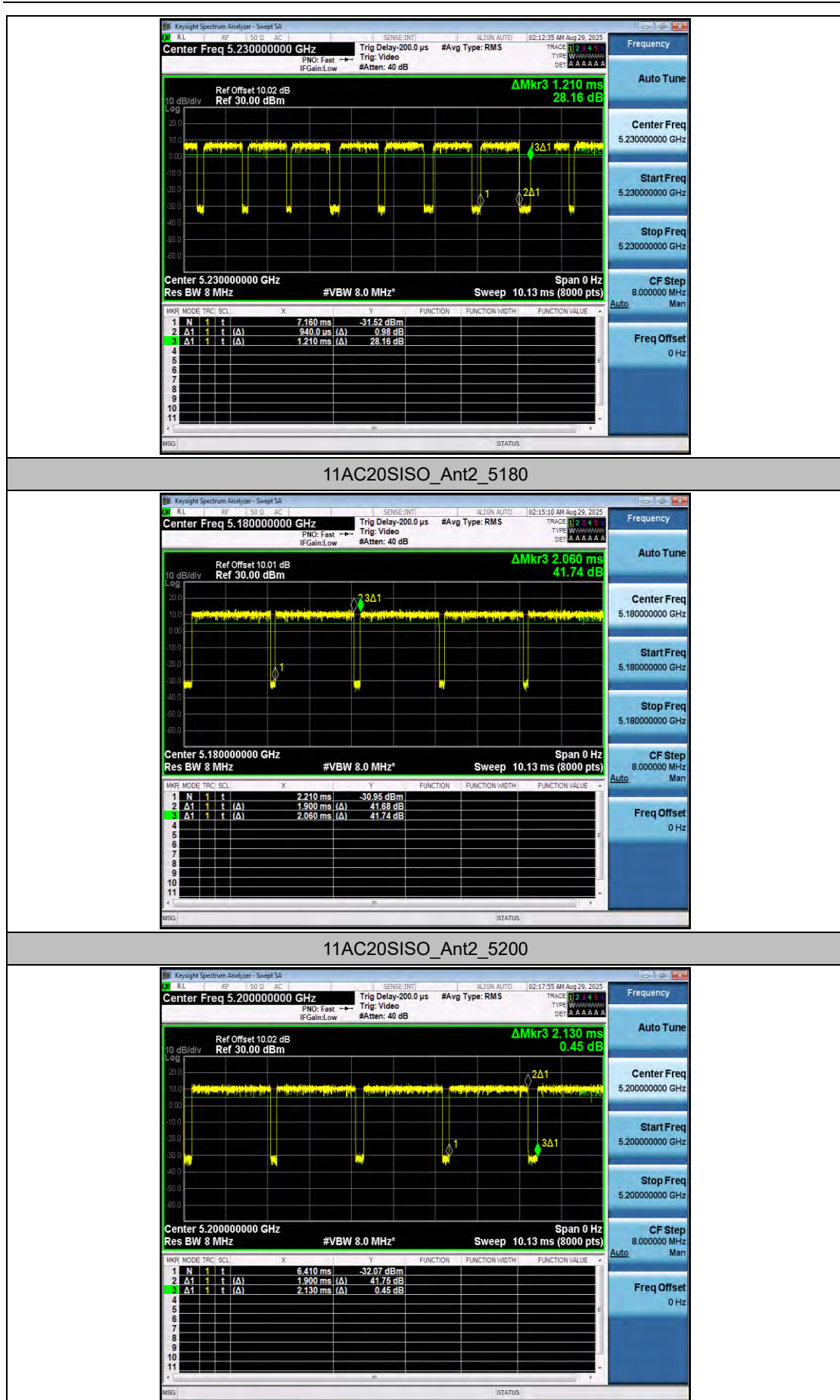
11N20SISO_Ant2_5240

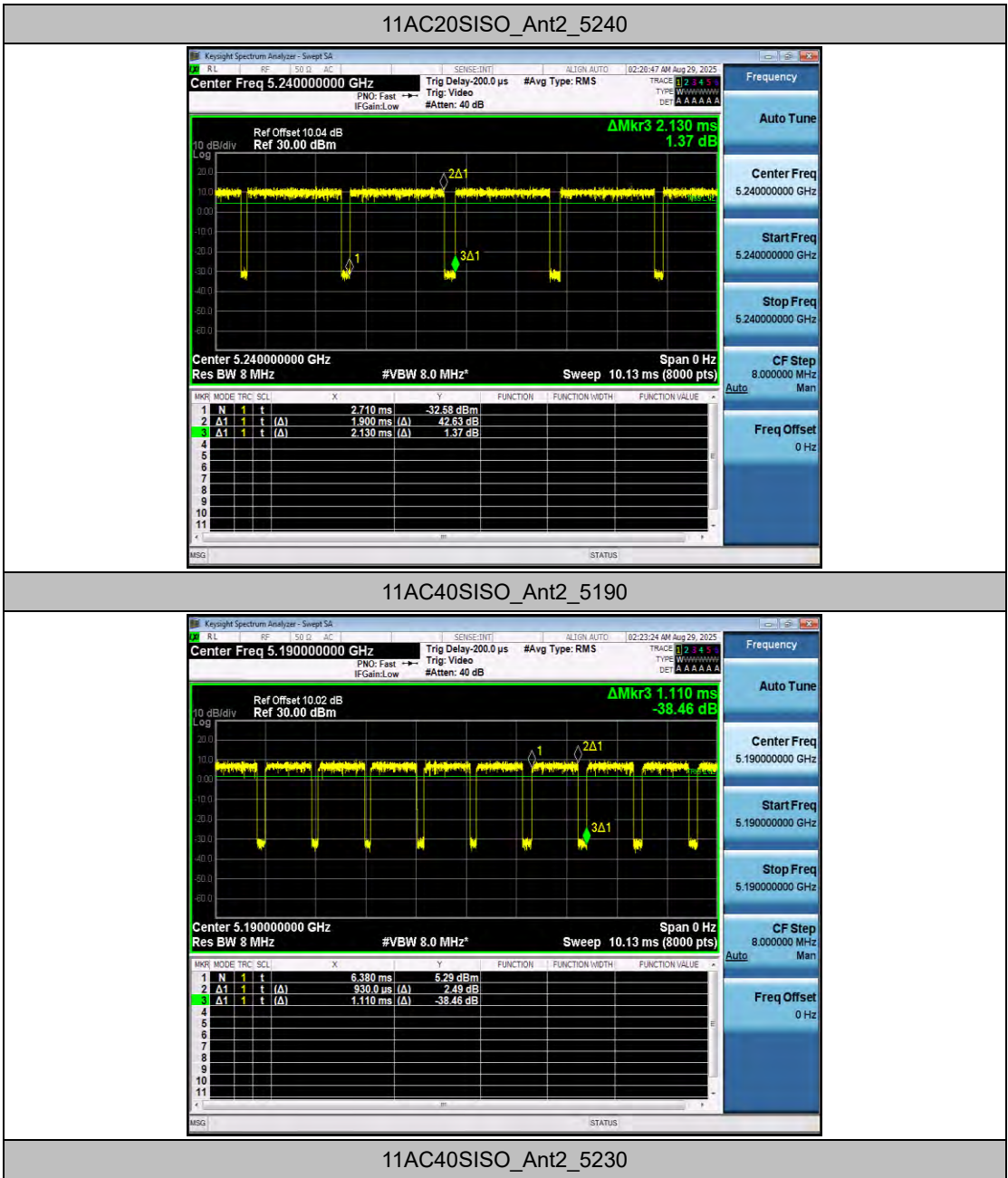


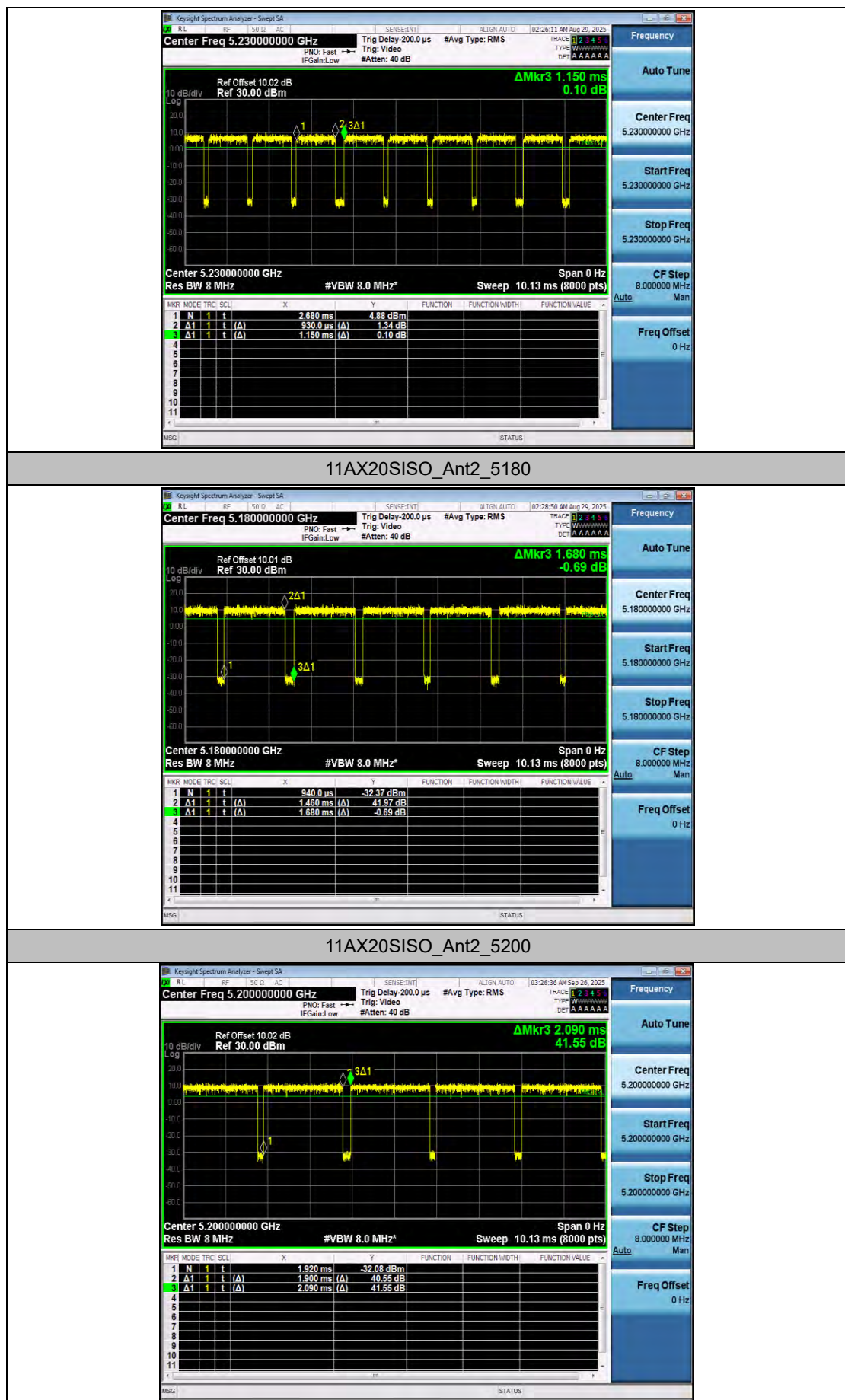
11N40SISO_Ant2_5190

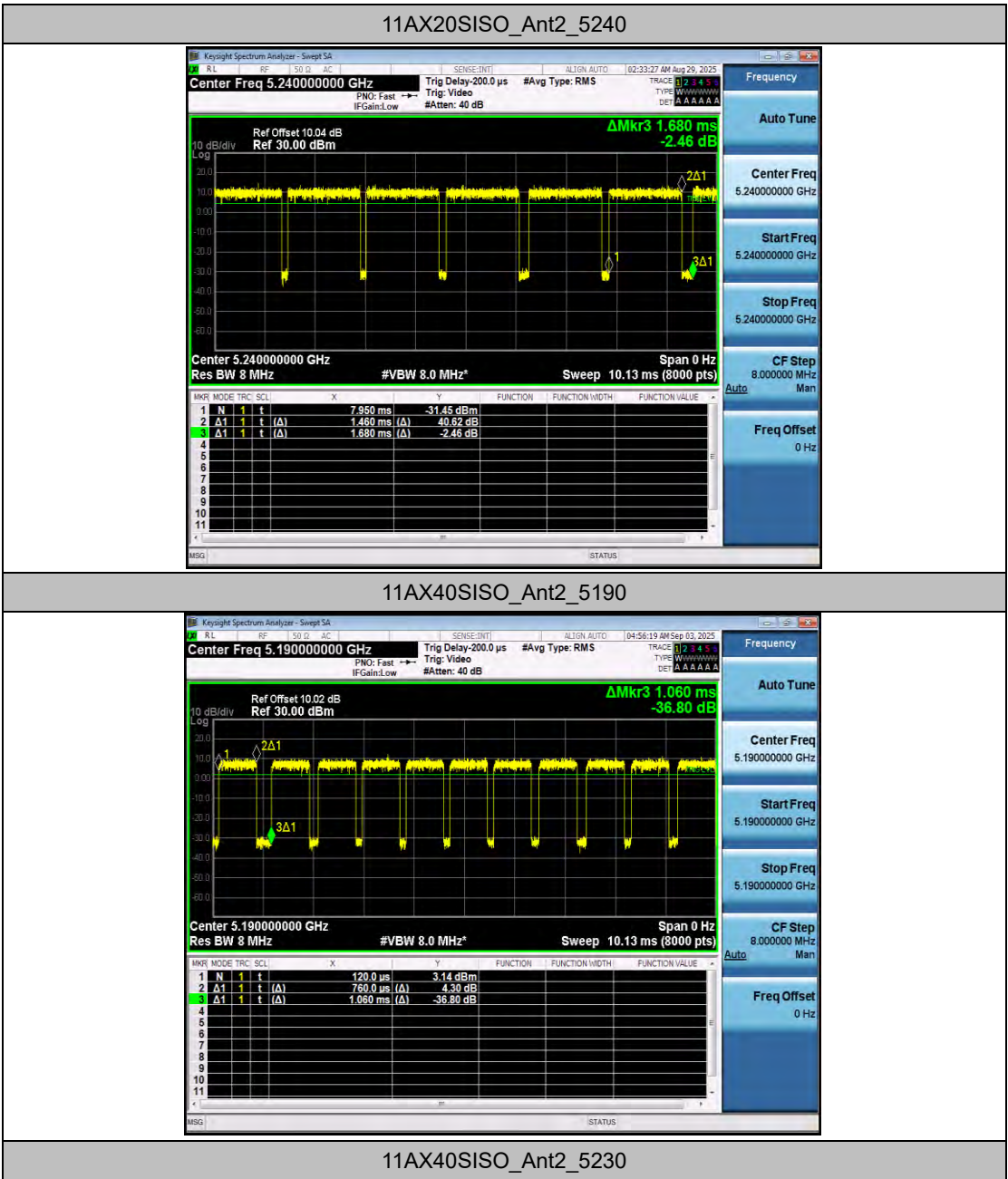


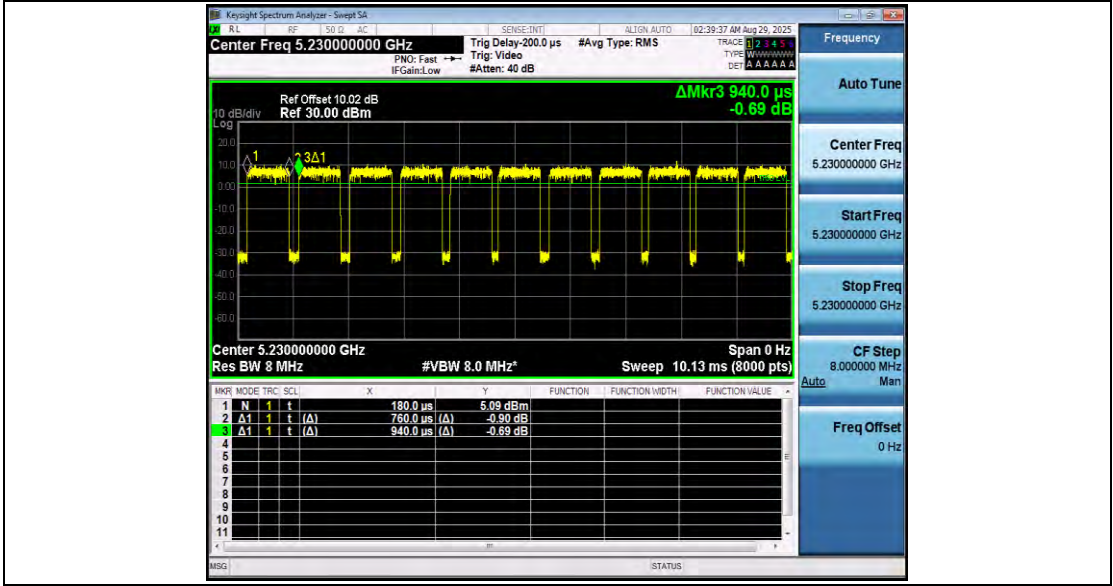
11N40SISO_Ant2_5230











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	11.31	48.56	3.14	14.45	≤23.98	PASS
		5200	11.19	82.26	0.85	12.04	≤23.98	PASS
		5240	11.45	87.50	0.58	12.03	≤23.98	PASS
11N20SISO	Ant2	5180	12.85	100.00	0.00	12.85	≤23.98	PASS
		5200	12.12	75.30	1.23	13.35	≤23.98	PASS
		5240	11.65	89.15	0.50	12.15	≤23.98	PASS
11N40SISO	Ant2	5190	11.82	72.09	1.42	13.24	≤23.98	PASS
		5230	11.36	77.69	1.10	12.46	≤23.98	PASS
11AC20SISO	Ant2	5180	12.78	92.23	0.35	13.13	≤23.98	PASS
		5200	13.33	89.20	0.50	13.83	≤23.98	PASS
		5240	12.77	89.20	0.50	13.27	≤23.98	PASS
11AC40SISO	Ant2	5190	12.66	83.78	0.77	13.43	≤23.98	PASS
		5230	12.42	80.87	0.92	13.34	≤23.98	PASS
11AX20SISO	Ant2	5180	12.93	86.90	0.61	13.54	≤23.98	PASS
		5200	13.08	90.12	0.45	13.53	≤23.98	PASS
		5240	12.71	86.90	0.61	13.32	≤23.98	PASS
11AX40SISO	Ant2	5190	12.13	54.29	2.65	14.78	≤23.98	PASS
		5230	12.57	80.85	0.92	13.49	≤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	5.78	≤11.00	PASS
		5200	3.62	≤11.00	PASS
		5240	3.11	≤11.00	PASS
11N20SISO	Ant2	5180	2.00	≤11.00	PASS
		5200	3.38	≤11.00	PASS
		5240	2.22	≤11.00	PASS
11N40SISO	Ant2	5190	0.17	≤11.00	PASS
		5230	-0.48	≤11.00	PASS
11AC20SISO	Ant2	5180	2.24	≤11.00	PASS
		5200	2.55	≤11.00	PASS
		5240	2.09	≤11.00	PASS
11AC40SISO	Ant2	5190	-0.60	≤11.00	PASS
		5230	-0.75	≤11.00	PASS
11AX20SISO	Ant2	5180	2.07	≤11.00	PASS
		5200	2.12	≤11.00	PASS
		5240	2.04	≤11.00	PASS
11AX40SISO	Ant2	5190	0.81	≤11.00	PASS
		5230	-1.10	≤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



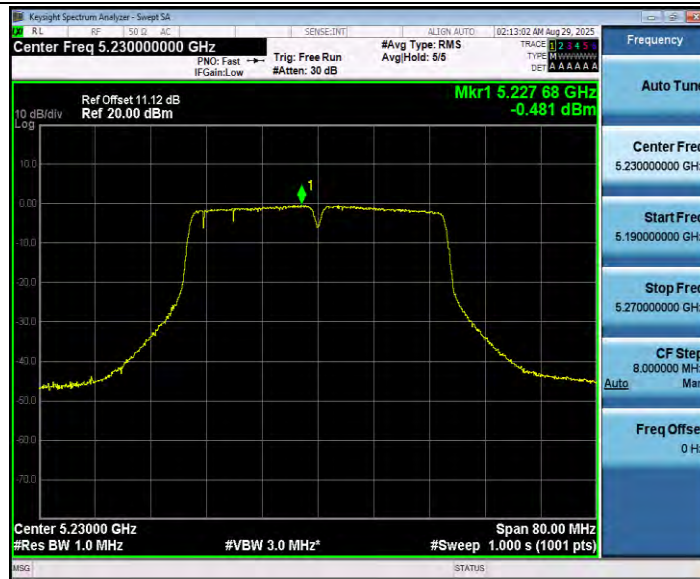
11N20SISO_Ant2_5240



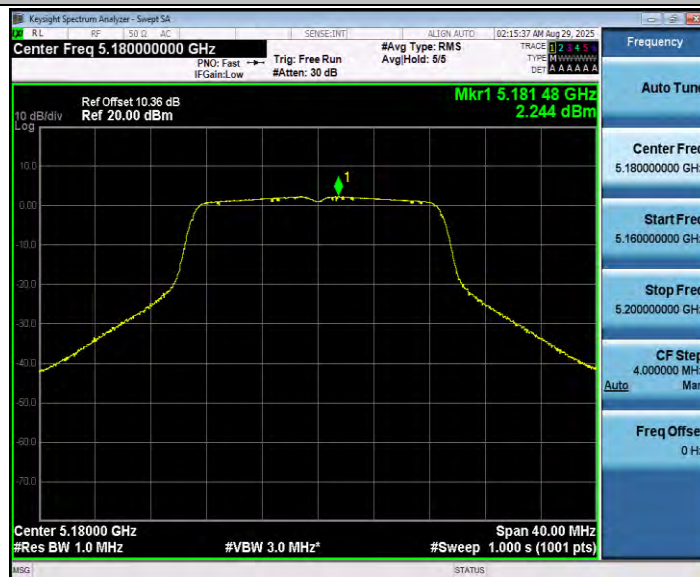
11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



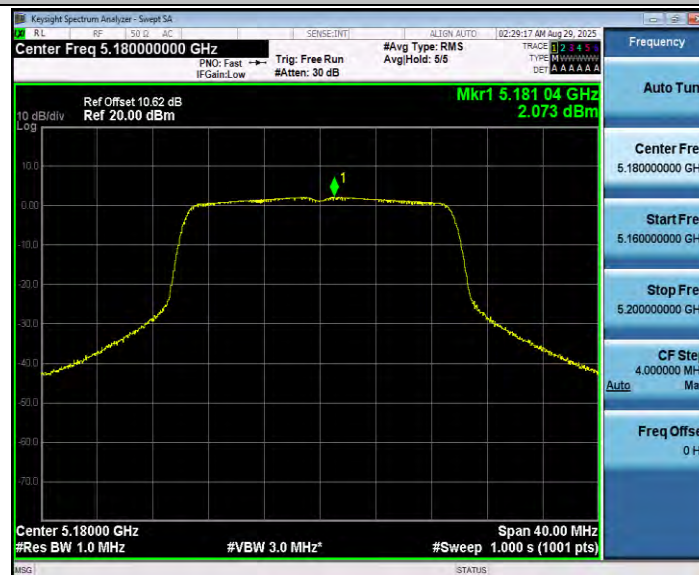
11AC40SISO_Ant2_5190



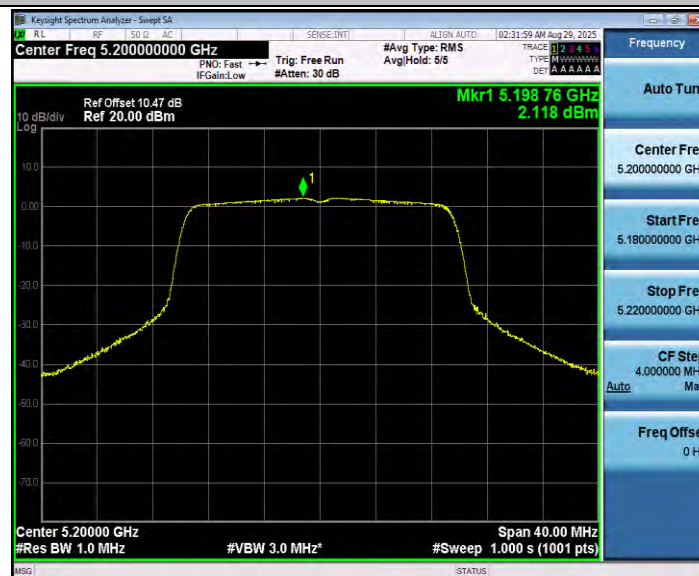
11AC40SISO_Ant2_5230



11AX20SISO_Ant2_5180



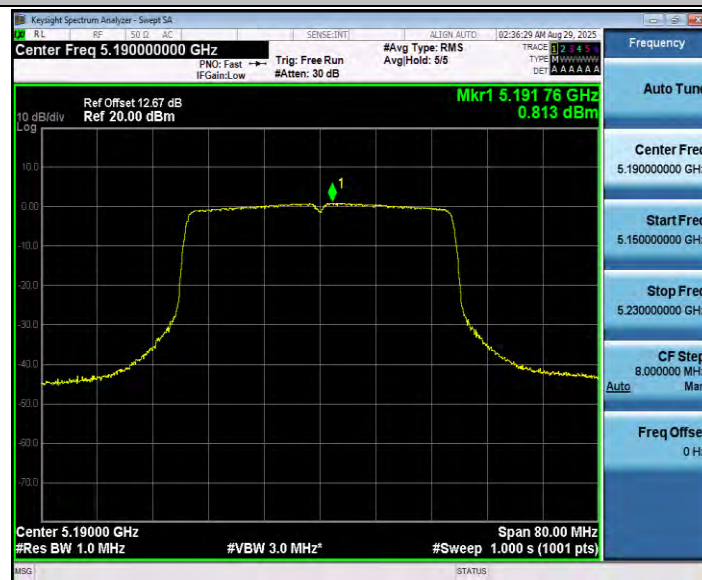
11AX20SISO_Ant2_5200



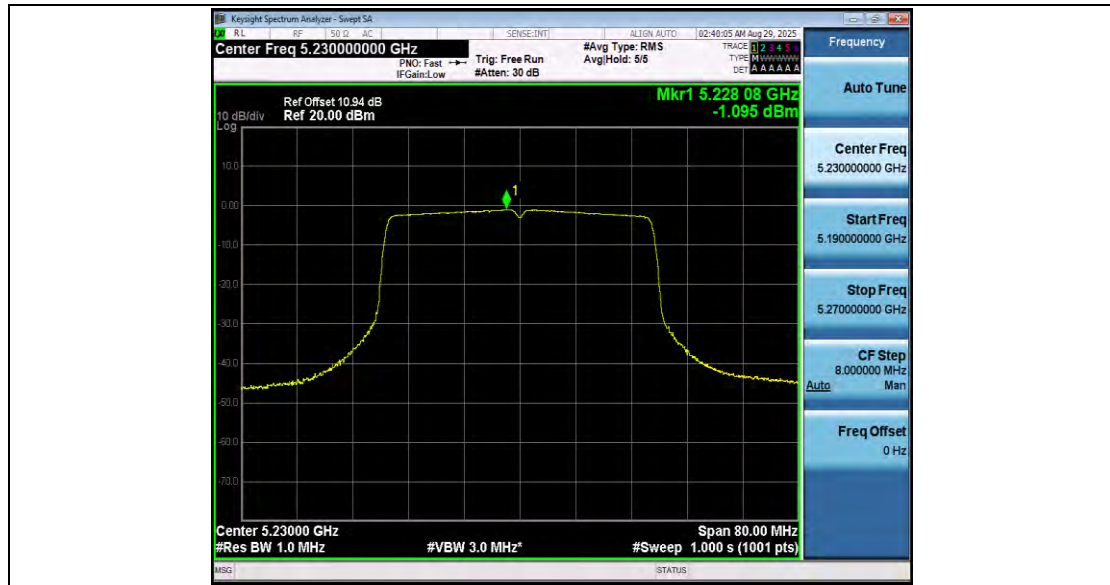
11AX20SISO_Ant2_5240



11AX40SISO_Ant2_5190



11AX40SISO_Ant2_5230

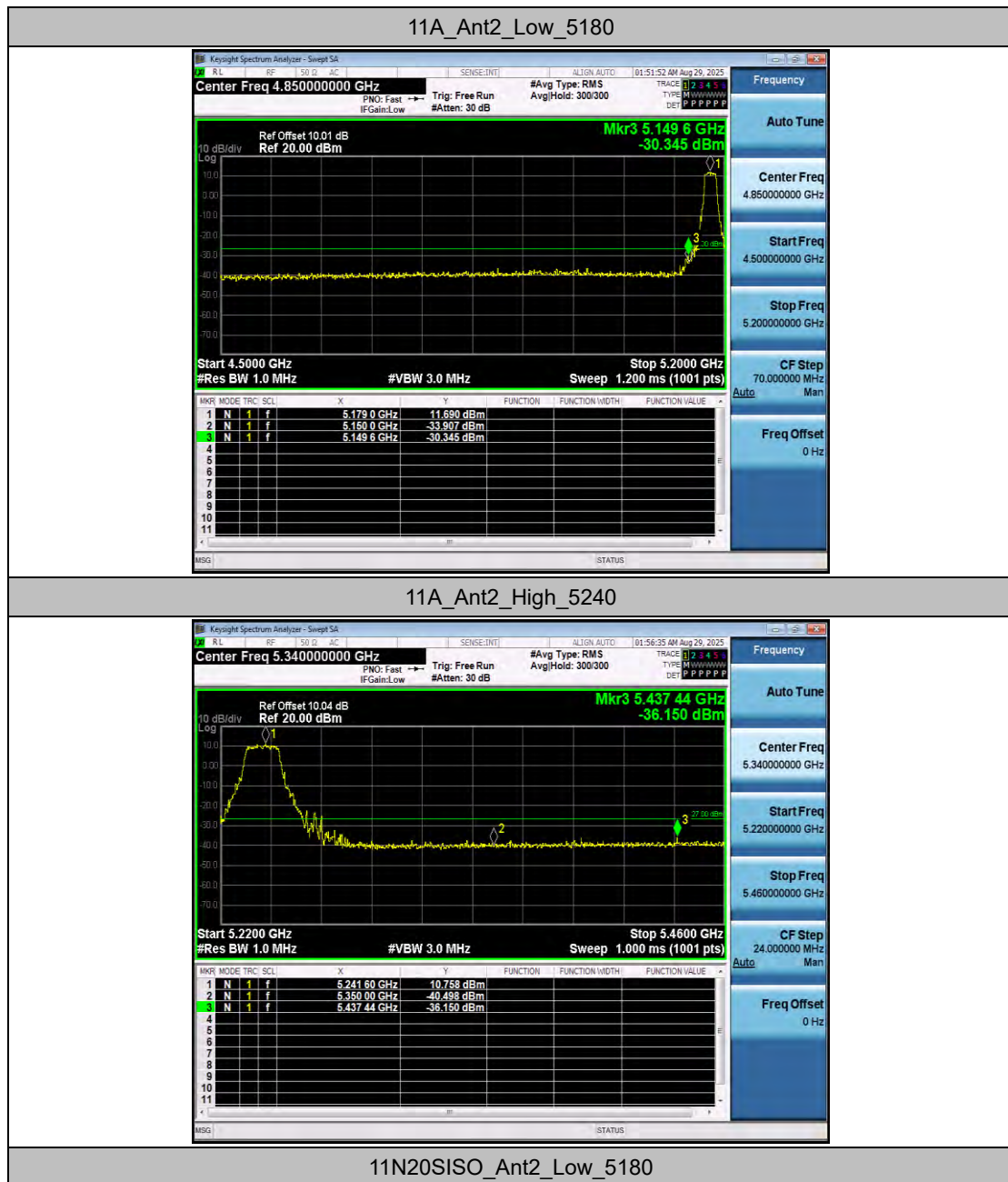


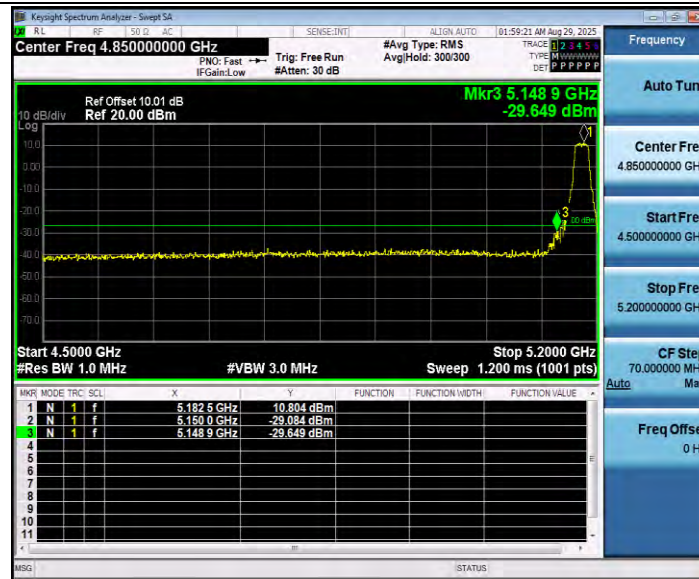
Appendix D.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant2	Low	5180	-30.35	≤ -27	PASS
		High	5240	-36.15	≤ -27	PASS
11N20SISO	Ant2	Low	5180	-29.65	≤ -27	PASS
		High	5240	-37.36	≤ -27	PASS
11N40SISO	Ant2	Low	5190	-27.27	≤ -27	PASS
		High	5230	-37.43	≤ -27	PASS
11AC20SISO	Ant2	Low	5180	-27.32	≤ -27	PASS
		High	5240	-37.03	≤ -27	PASS
11AC40SISO	Ant2	Low	5190	-36.88	≤ -27	PASS
		High	5230	-37.22	≤ -27	PASS
11AX20SISO	Ant2	Low	5180	-30.79	≤ -27	PASS
		High	5240	-37.75	≤ -27	PASS
11AX40SISO	Ant2	Low	5190	-34.18	≤ -27	PASS
		High	5230	-37.53	≤ -27	PASS

Test Graphs B1





11N20SISO_Ant2_High_5240



11N40SISO_Ant2_Low_5190

