

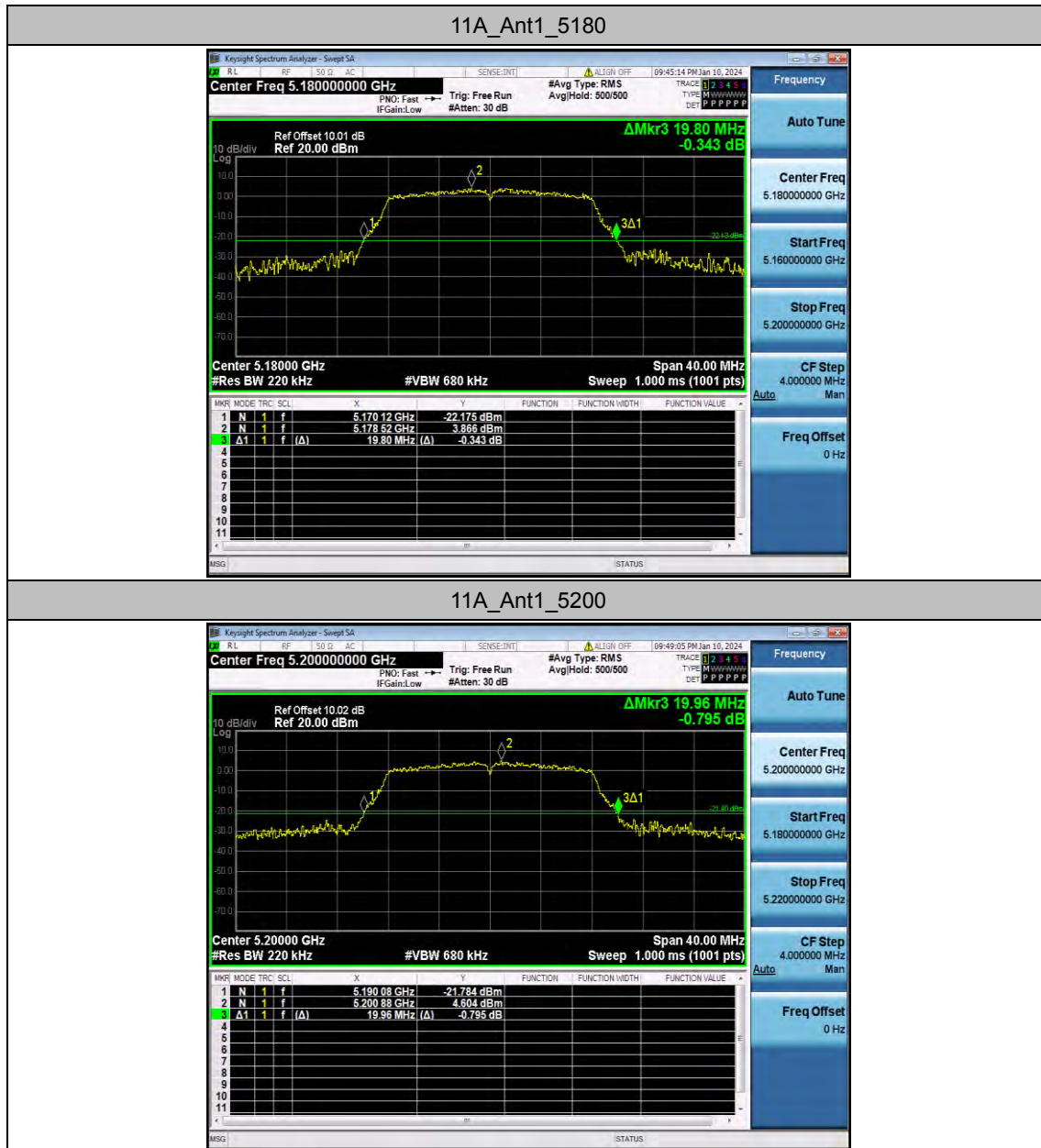
Case No. : <u>GTS20231206007-1-18</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.1.9</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

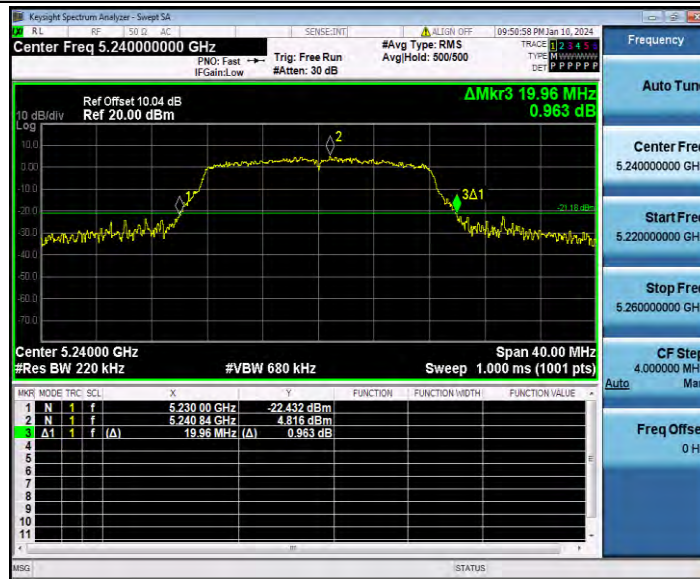
Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.800	5170.120	5189.920	---	---
		5200	19.960	5190.080	5210.040	---	---
		5240	19.960	5230.000	5249.960	---	---
11N20SISO	Ant1	5180	25.120	5167.200	5192.320	---	---
		5200	25.680	5187.440	5213.120	---	---
		5240	20.360	5229.880	5250.240	---	---
11N40SISO	Ant1	5190	40.720	5169.600	5210.320	---	---
		5230	40.560	5209.760	5250.320	---	---
11AC20SISO	Ant1	5180	20.400	5169.840	5190.240	---	---
		5200	20.400	5189.800	5210.200	---	---
		5240	20.360	5229.760	5250.120	---	---
11AC40SISO	Ant1	5190	40.160	5169.920	5210.080	---	---
		5230	40.560	5209.600	5250.160	---	---
11AC80SISO	Ant1	5210	80.800	5169.680	5250.480	---	---

Test Graphs



11A_Ant1_5240



11N20SISO_Ant1_5180



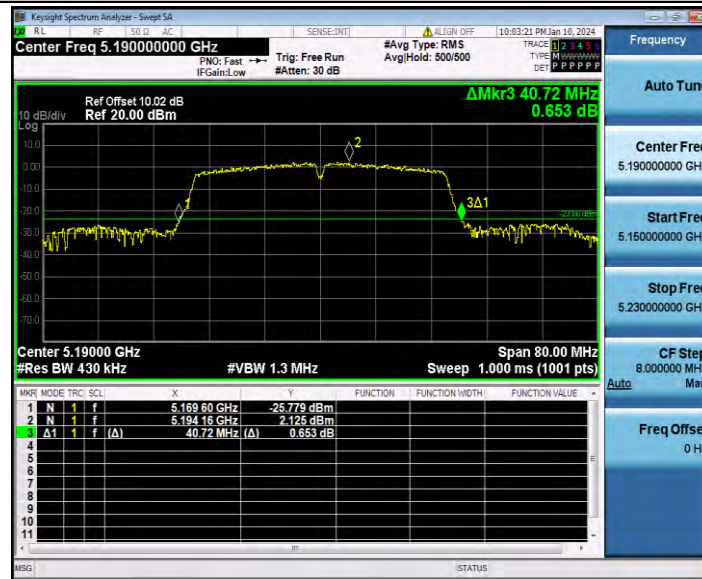
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240

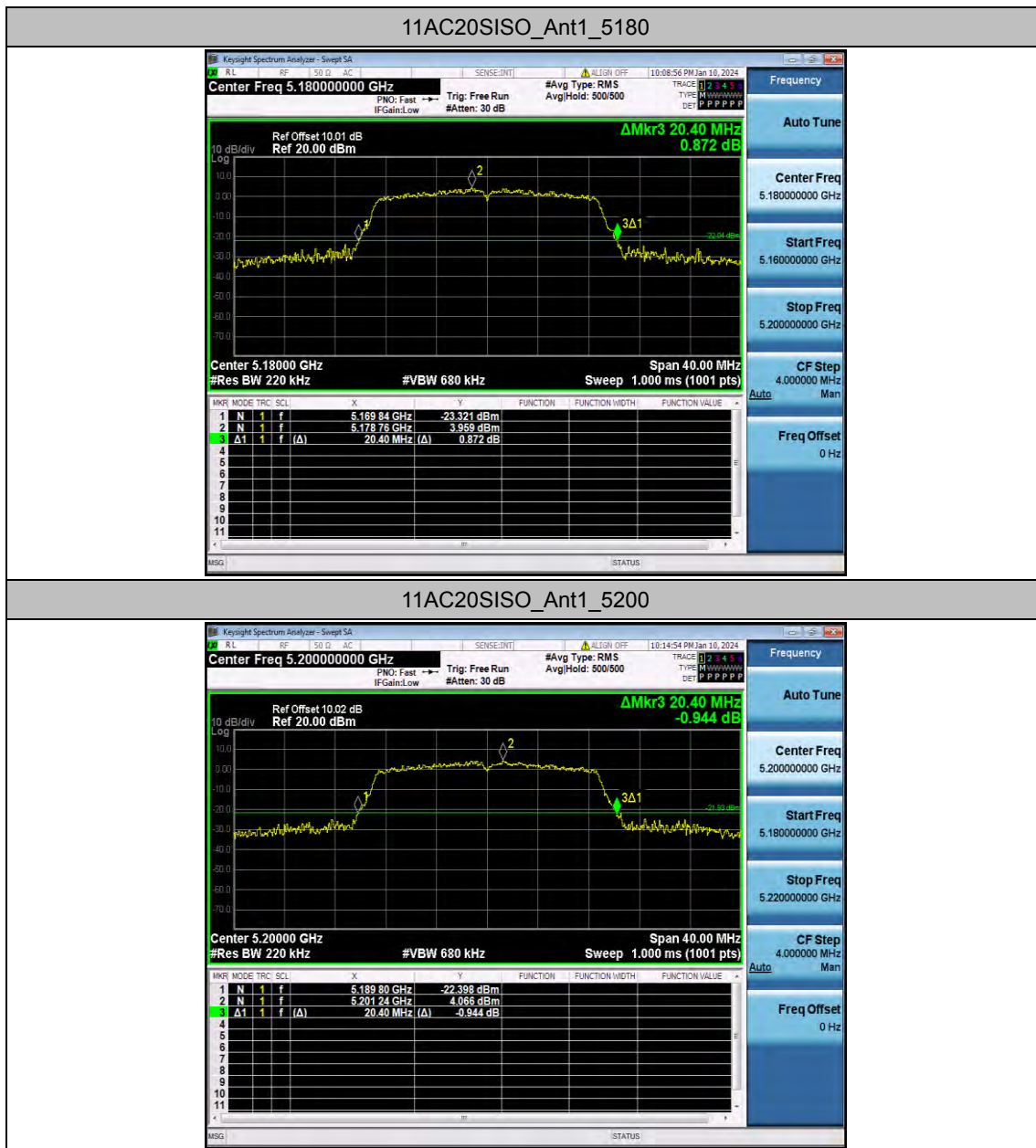


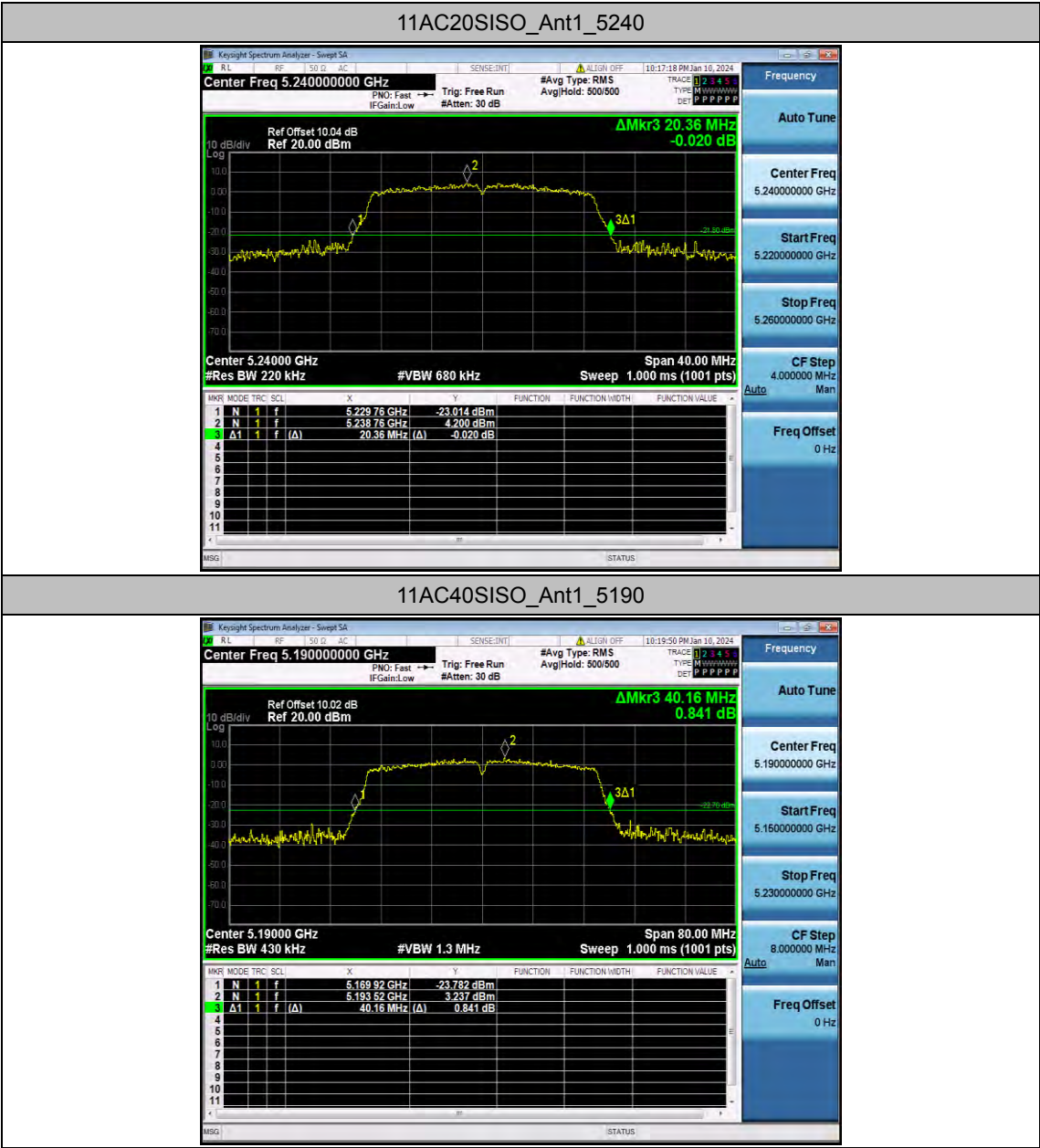
11N40SISO_Ant1_5190

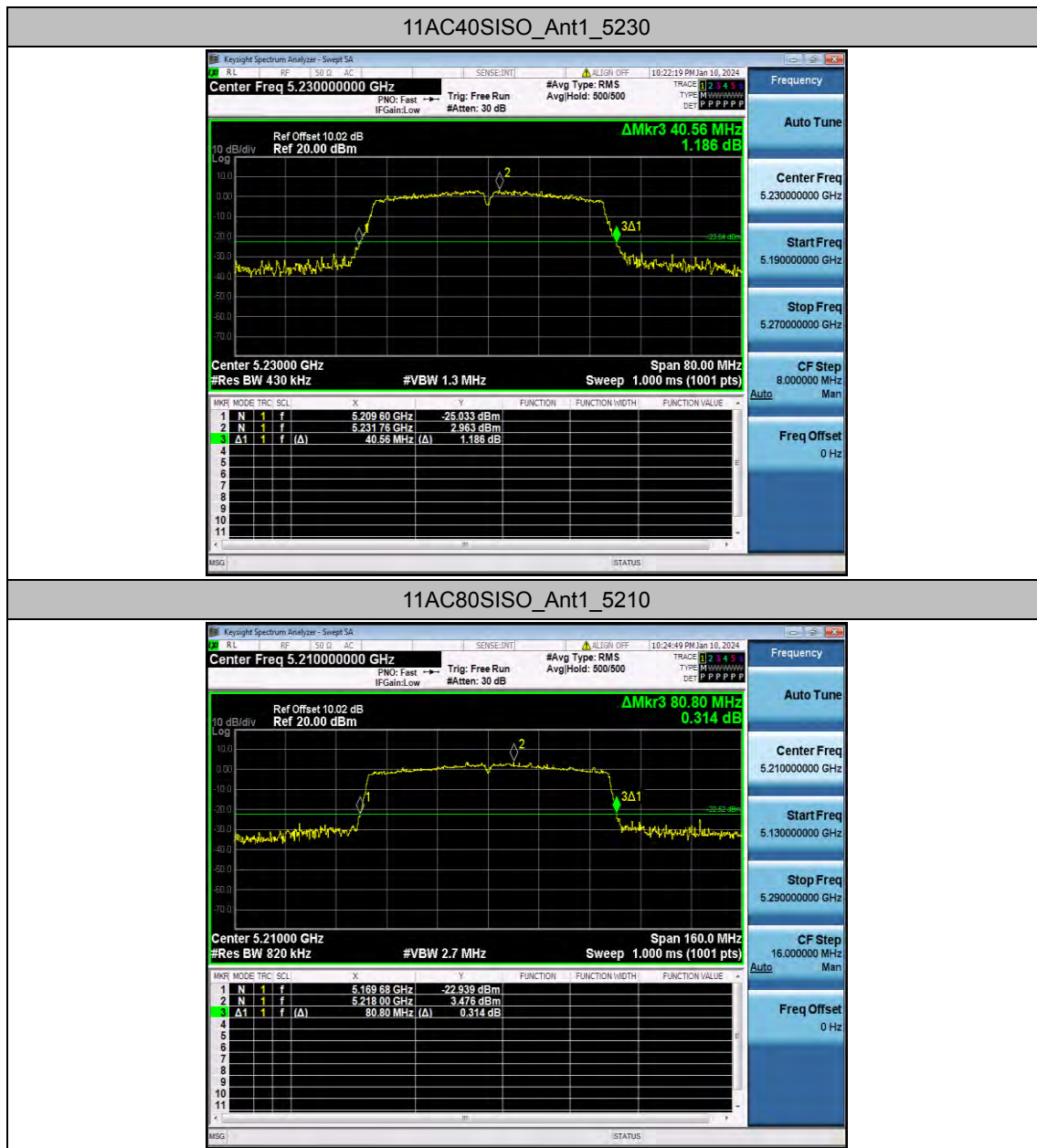


11N40SISO_Ant1_5230







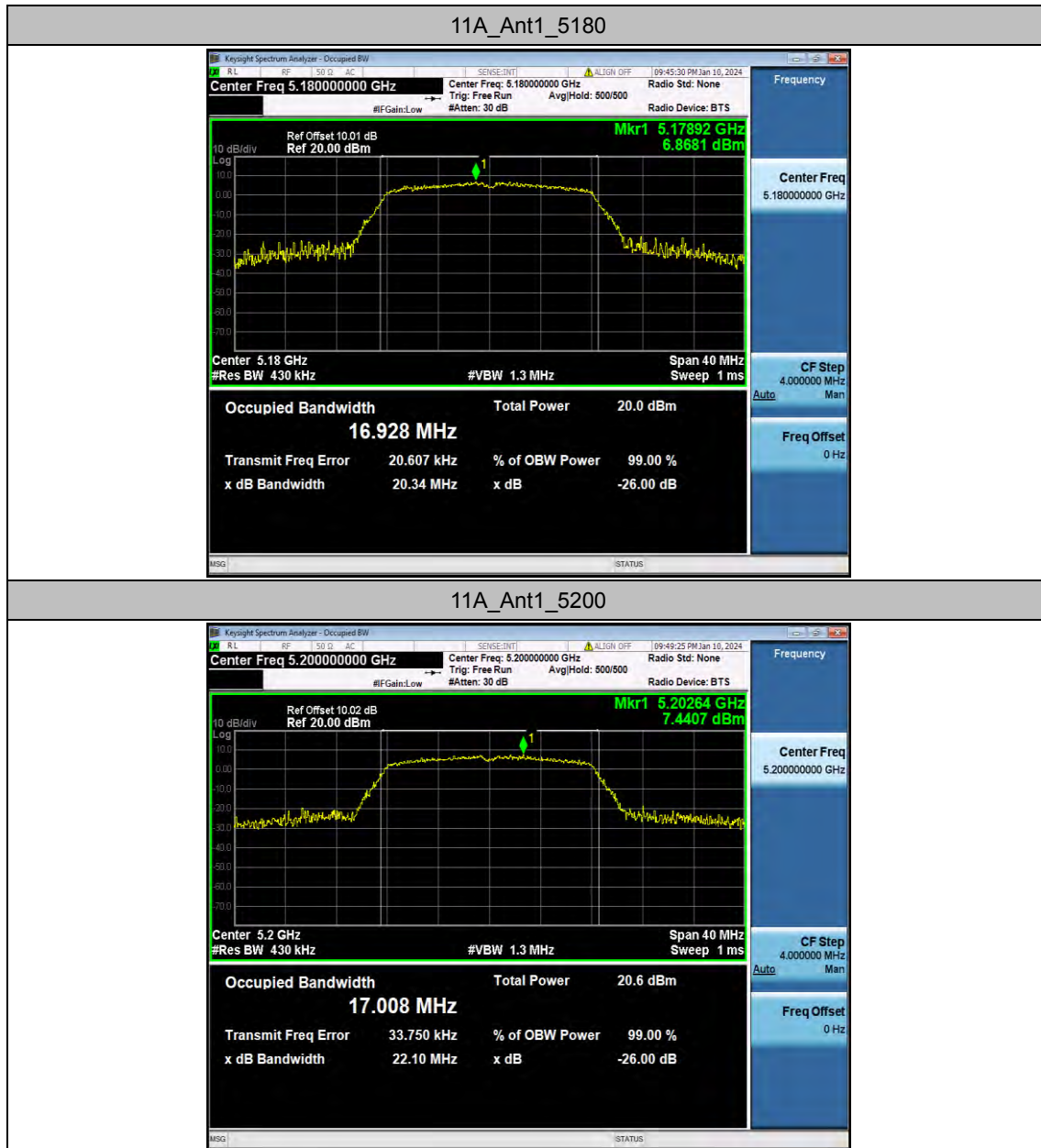


Appendix D.2: Occupied channel bandwidth

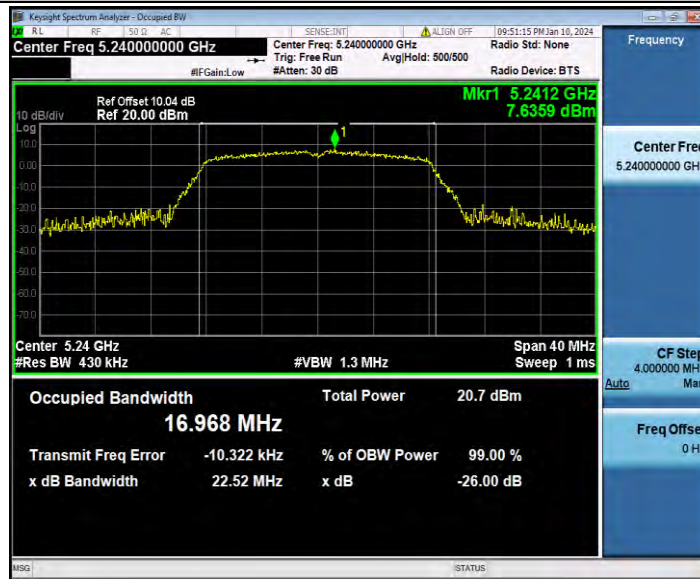
Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.928	5171.5566	5188.4846	---	---
		5200	17.008	5191.5298	5208.5378	---	---
		5240	16.968	5231.5057	5248.4737	---	---
11N20SISO	Ant1	5180	18.125	5170.9568	5189.0818	---	---
		5200	17.901	5191.0649	5208.9659	---	---
		5240	17.903	5231.0290	5248.9320	---	---
11N40SISO	Ant1	5190	36.417	5171.8500	5208.2670	---	---
		5230	36.445	5211.8212	5248.2662	---	---
11AC20SISO	Ant1	5180	17.888	5171.0514	5188.9394	---	---
		5200	17.916	5191.0735	5208.9895	---	---
		5240	17.926	5231.0291	5248.9551	---	---
11AC40SISO	Ant1	5190	36.300	5171.8985	5208.1985	---	---
		5230	36.259	5211.8865	5248.1455	---	---
11AC80SISO	Ant1	5210	75.242	5172.5093	5247.7513	---	---

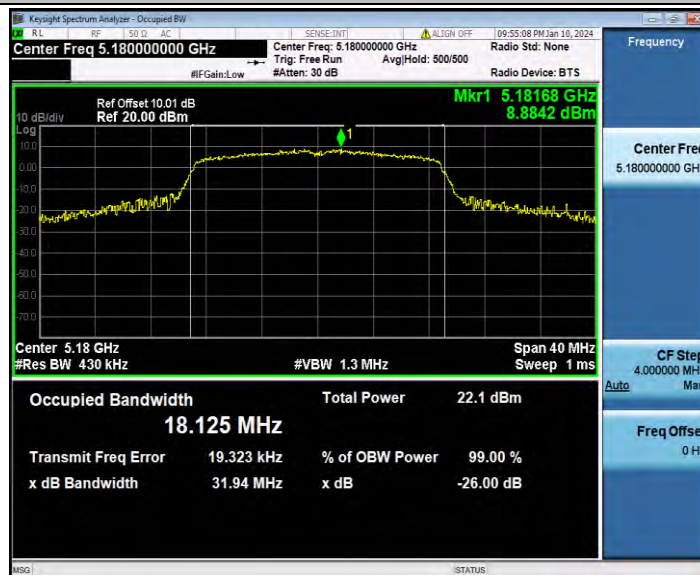
Test Graphs

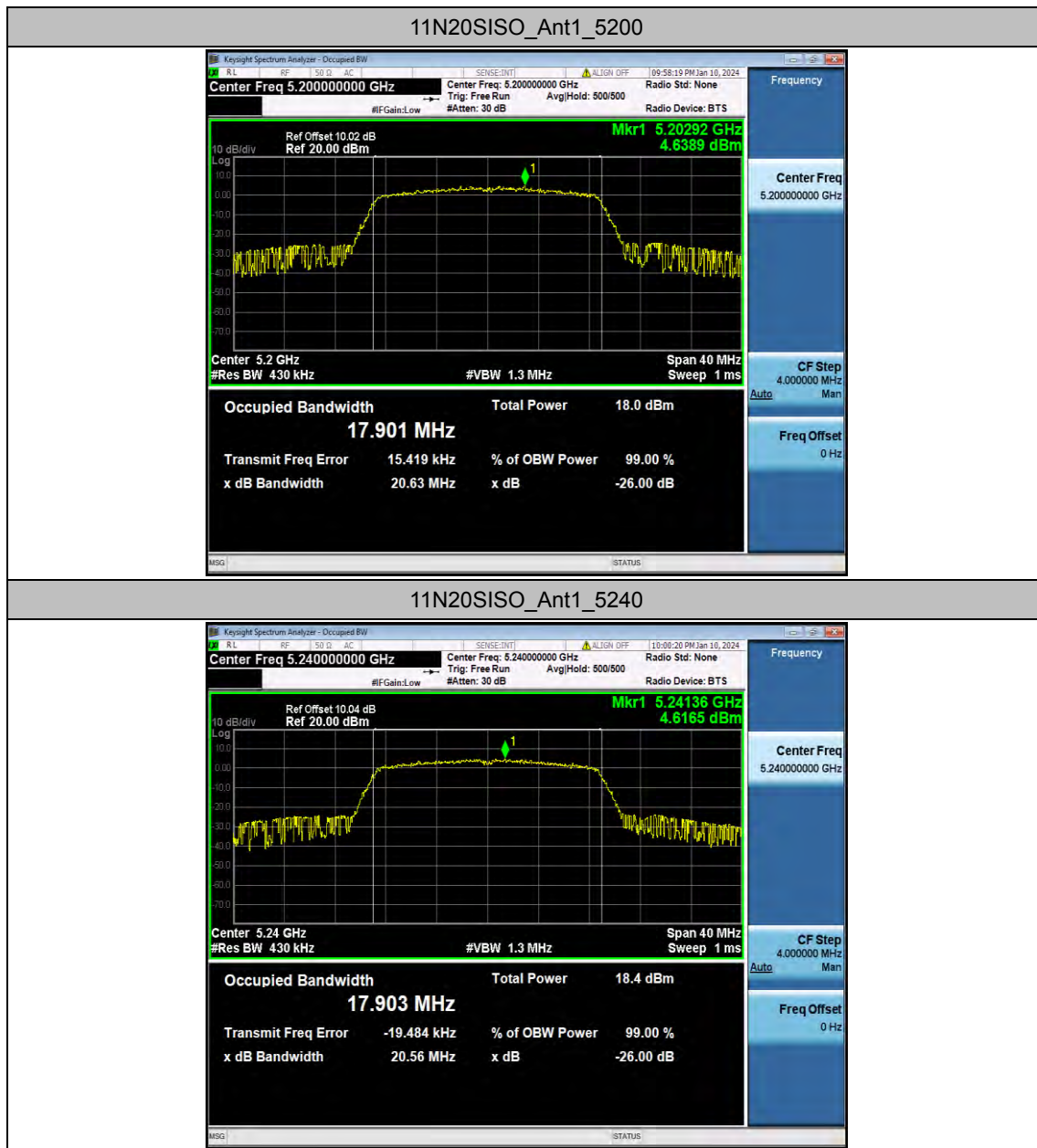


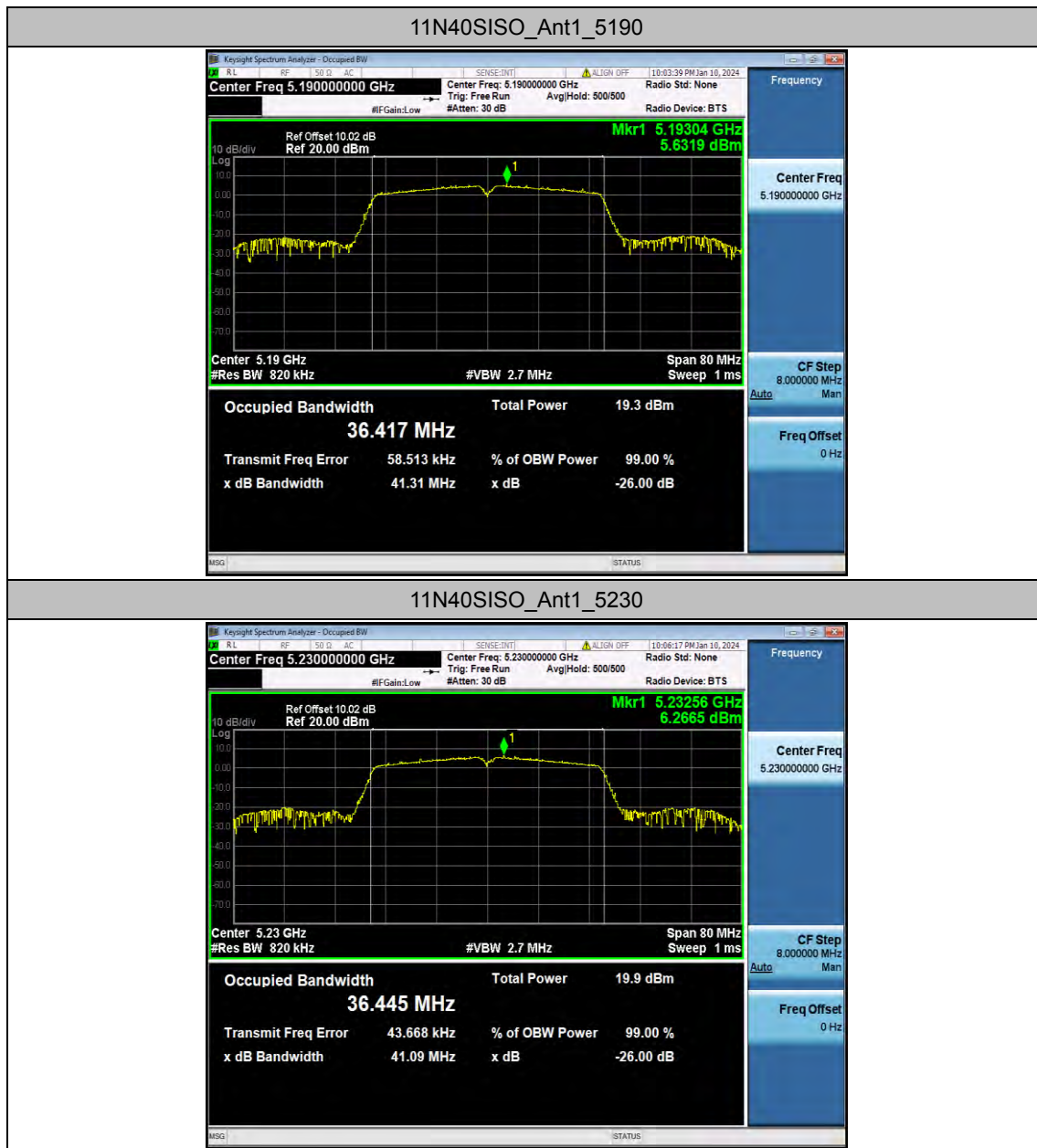
11A_Ant1_5240



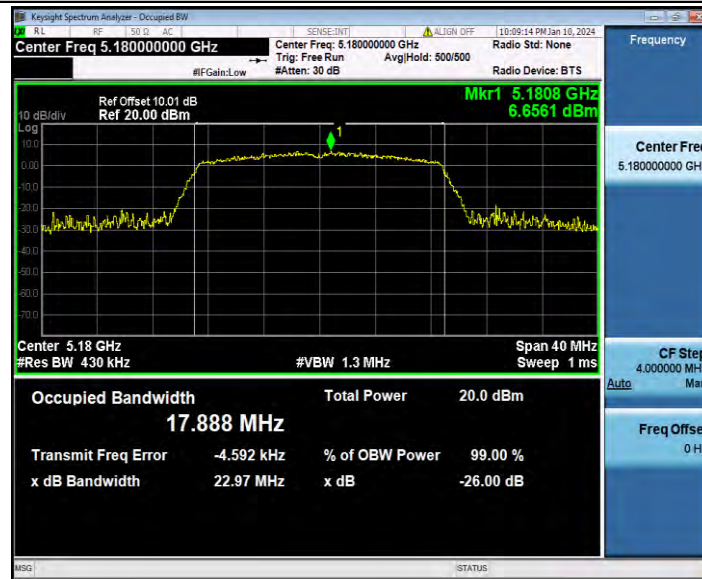
11N20SISO_Ant1_5180



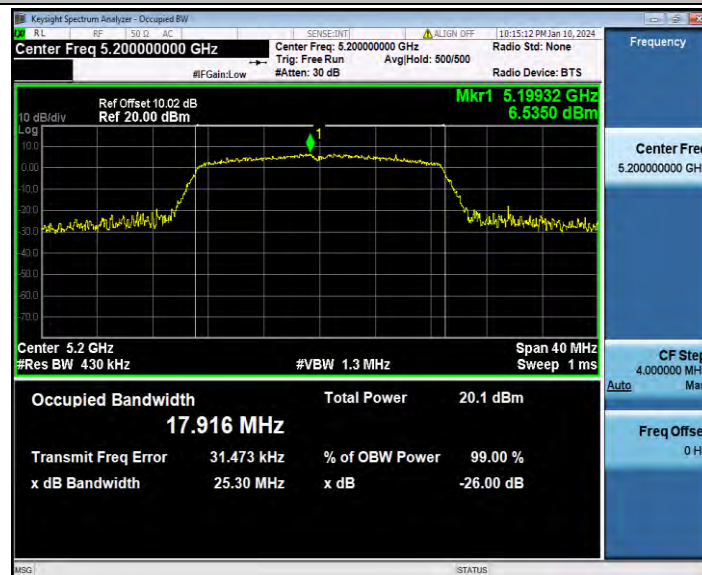


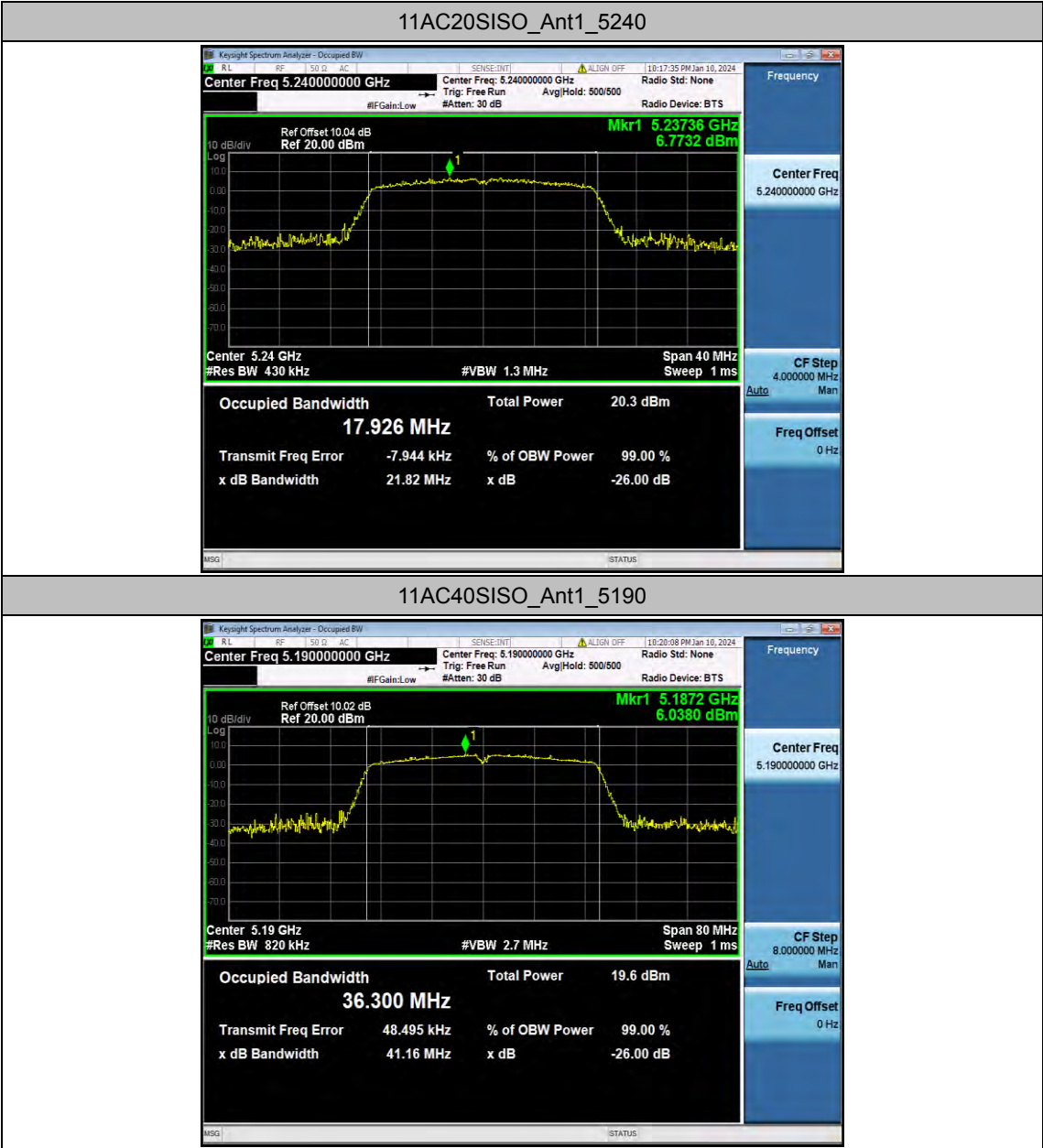


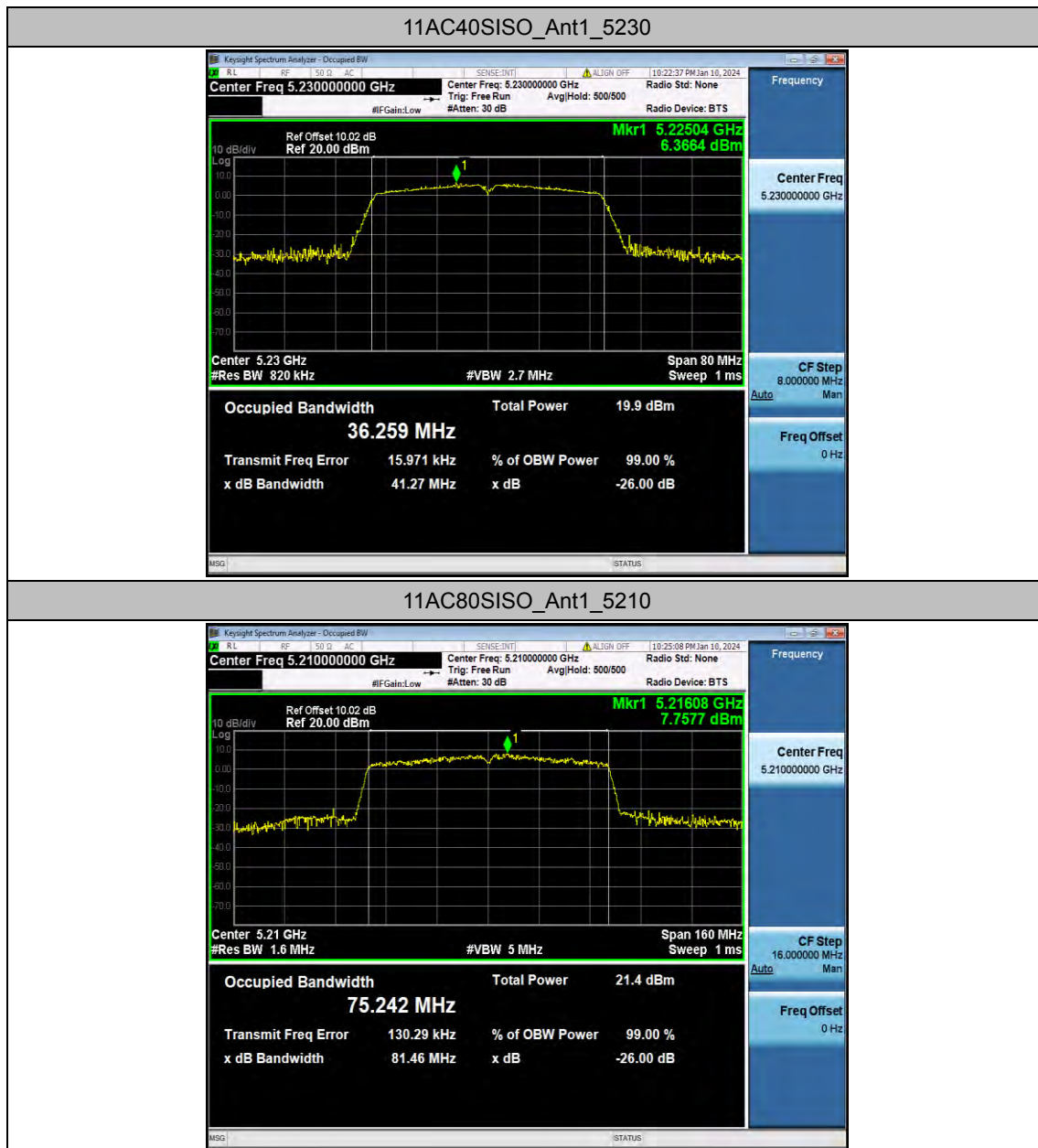
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200





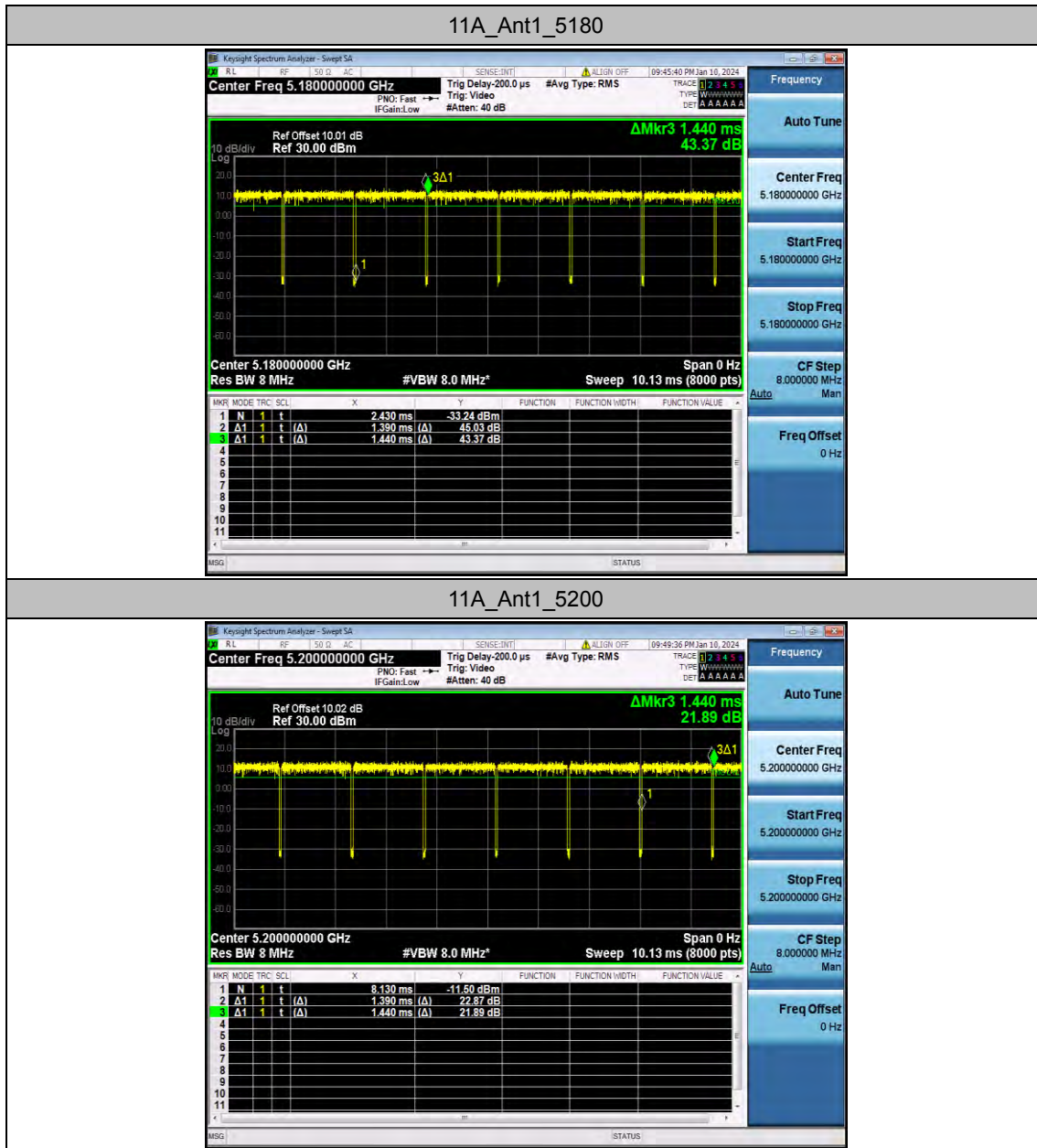


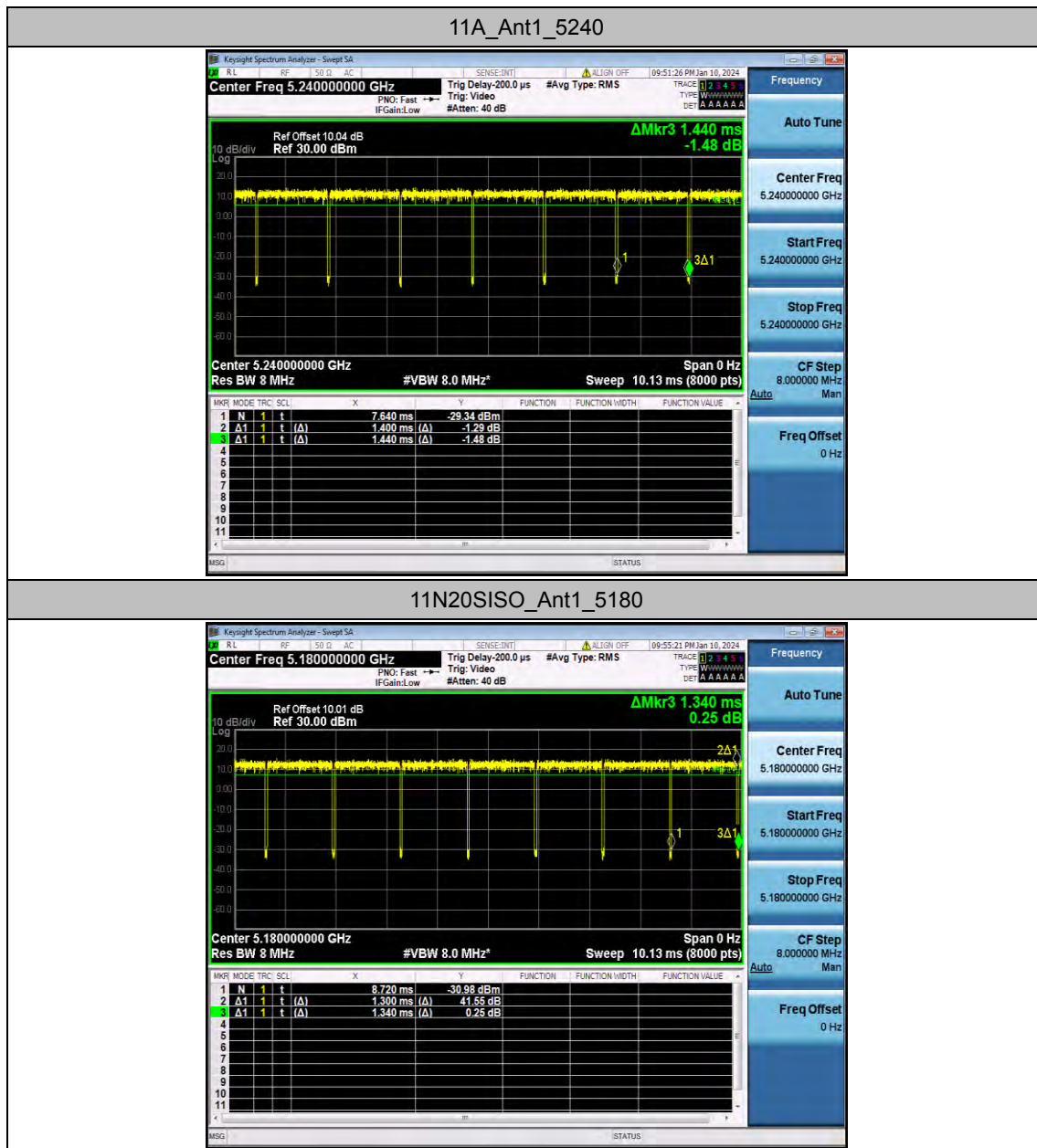
Appendix D.3: Duty Cycle

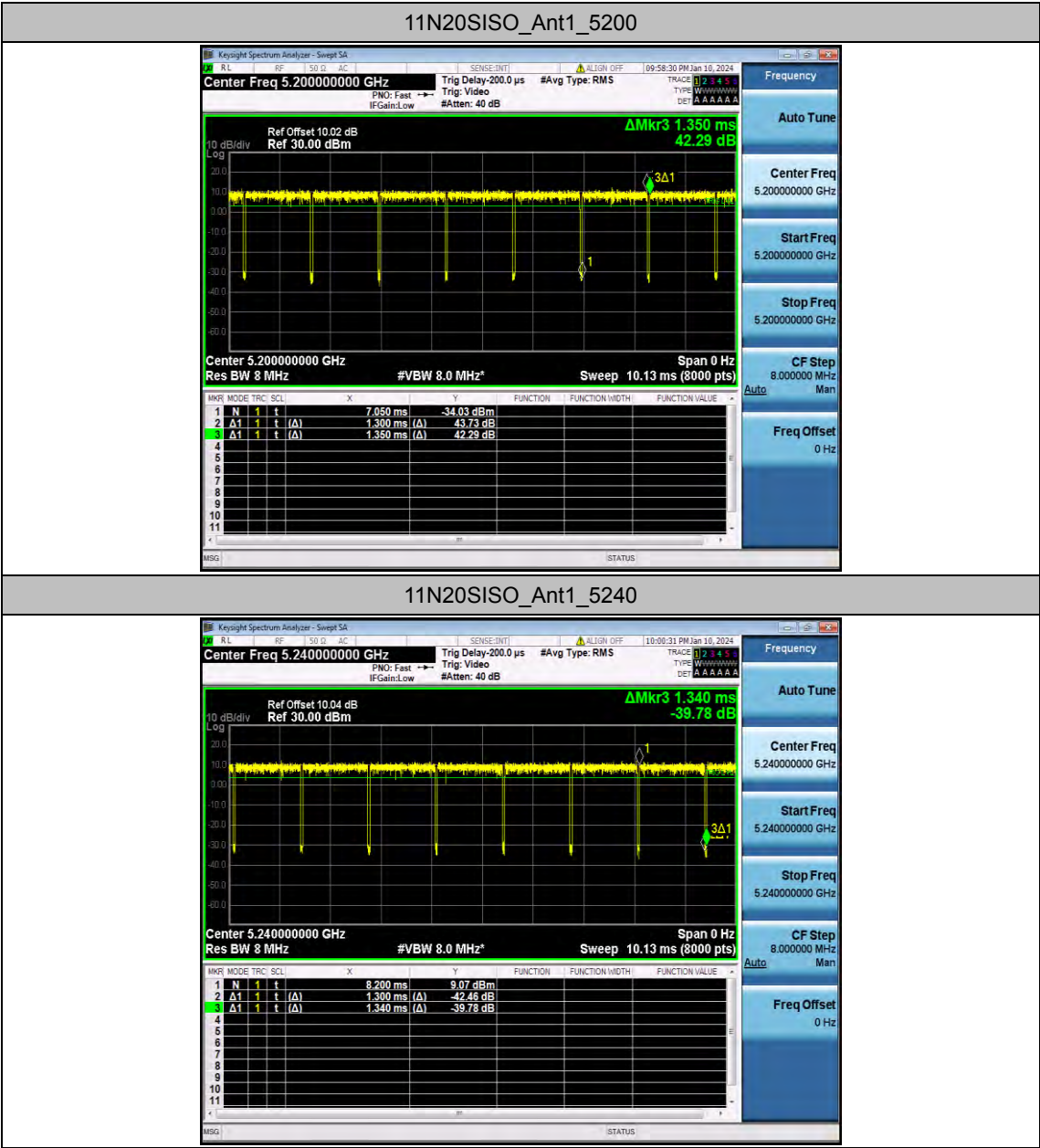
Test Result

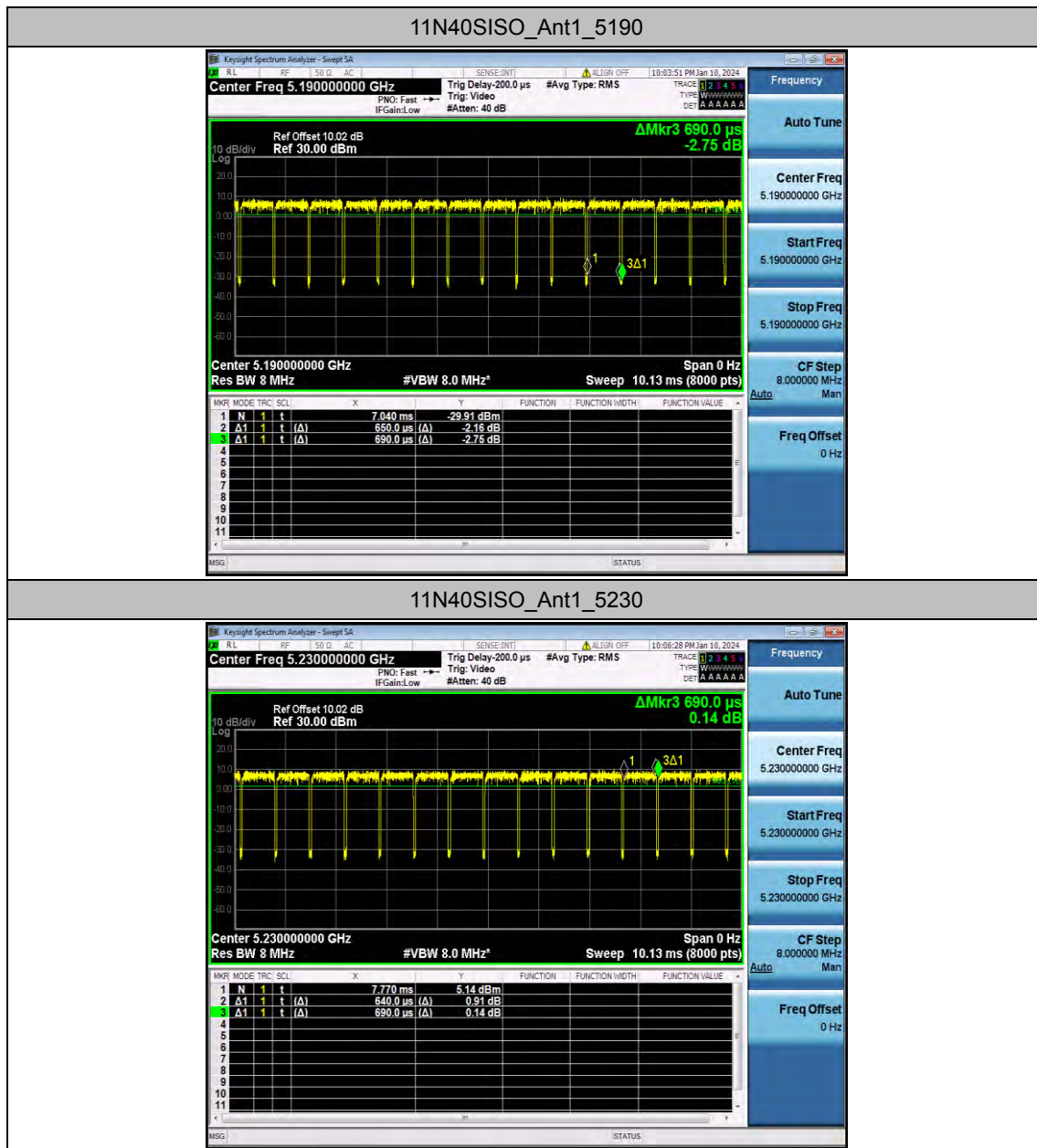
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	1.39	1.44	96.53	0.15	0.72
		5200	1.39	1.44	96.53	0.15	0.72
		5240	1.40	1.44	97.22	0.12	0.71
11N20SISO	Ant1	5180	1.30	1.34	97.01	0.13	0.77
		5200	1.30	1.35	96.30	0.16	0.77
		5240	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5190	0.65	0.69	94.20	0.26	1.54
		5230	0.64	0.69	92.75	0.33	1.56
11AC20SISO	Ant1	5180	1.31	1.36	96.32	0.16	0.76
		5200	1.31	1.36	96.32	0.16	0.76
		5240	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant1	5190	0.66	0.70	94.29	0.26	1.52
		5230	0.66	0.70	94.29	0.26	1.52
11AC80SISO	Ant1	5210	0.32	0.37	86.49	0.63	3.13

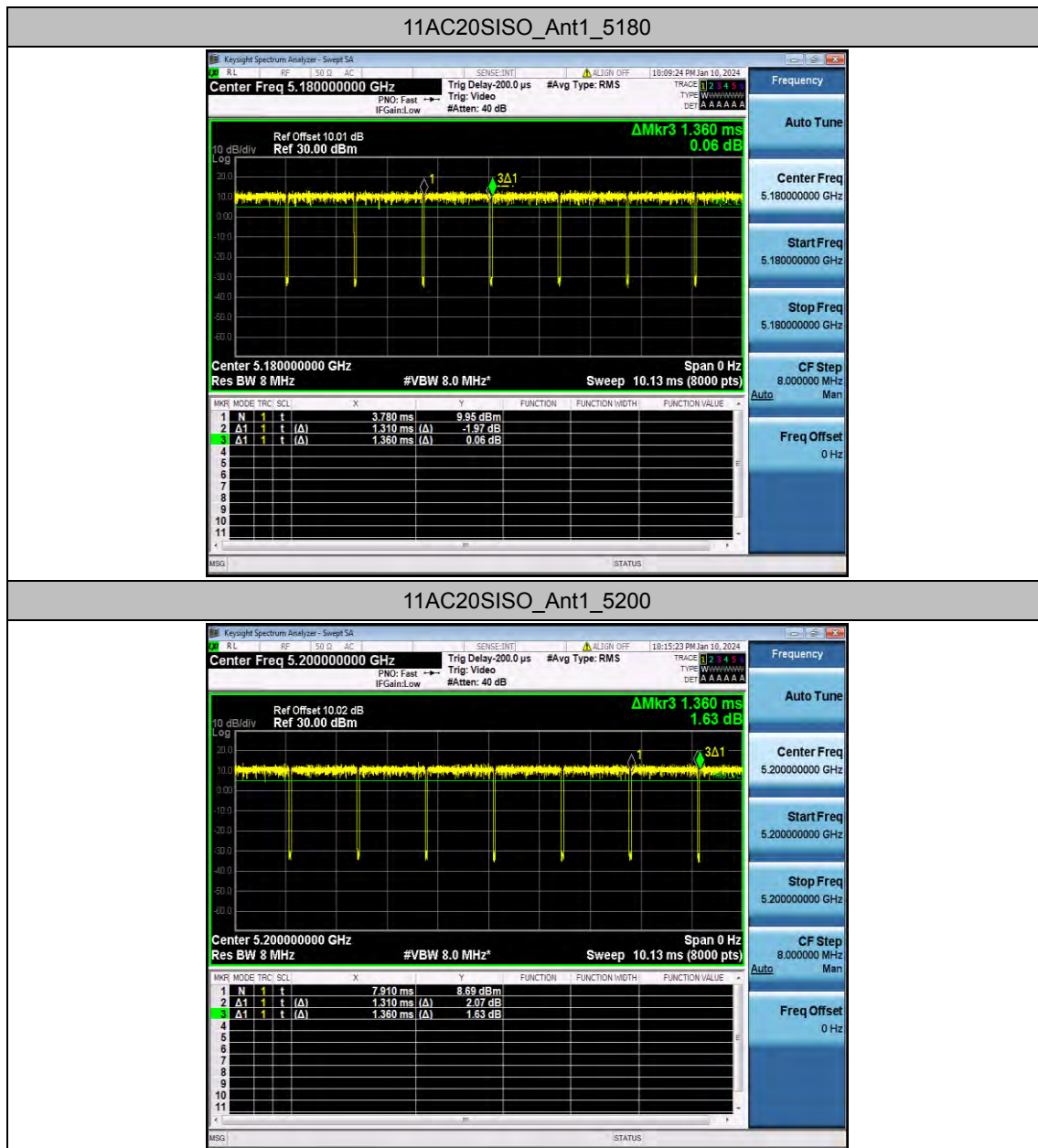
Test Graphs

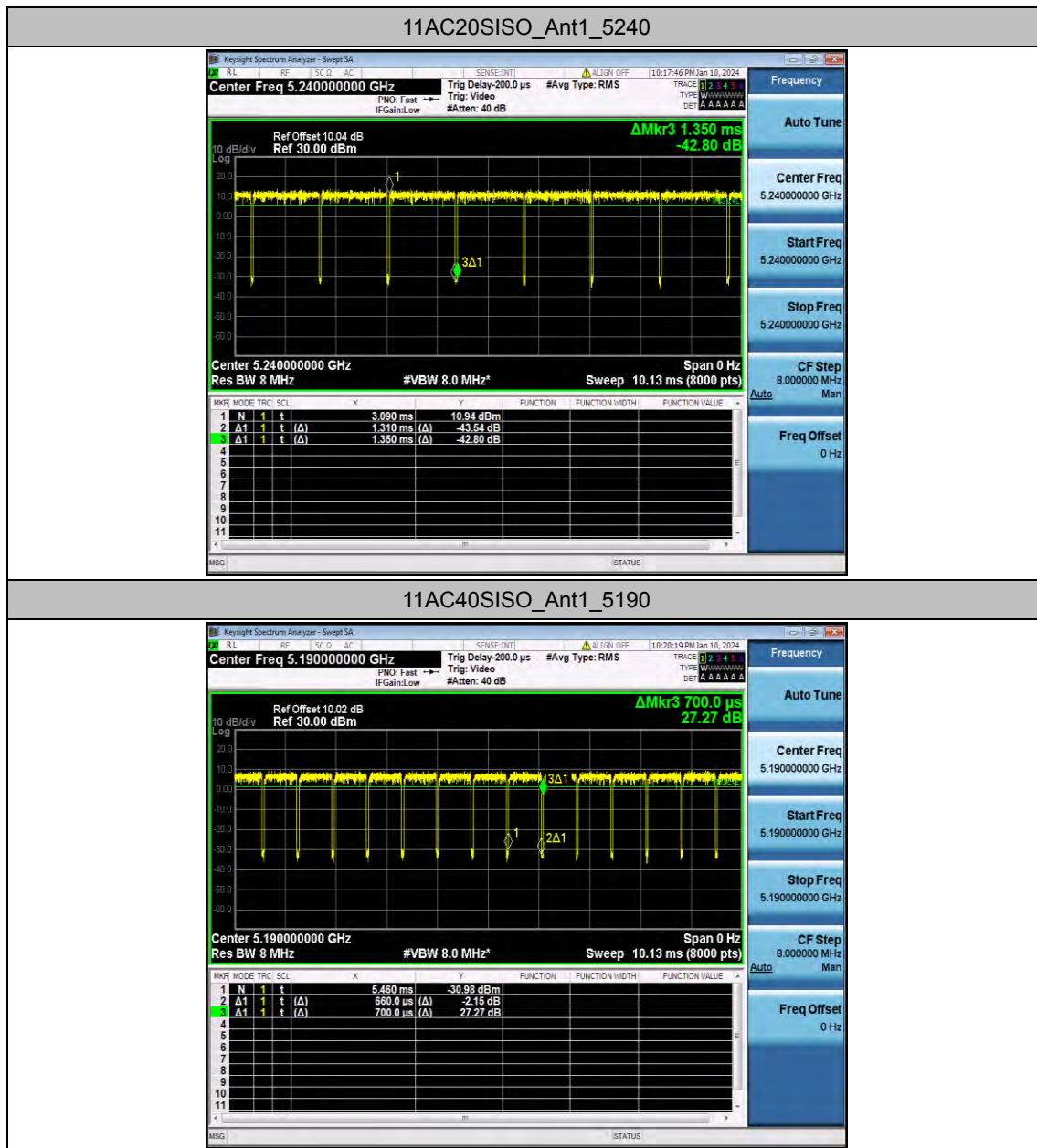


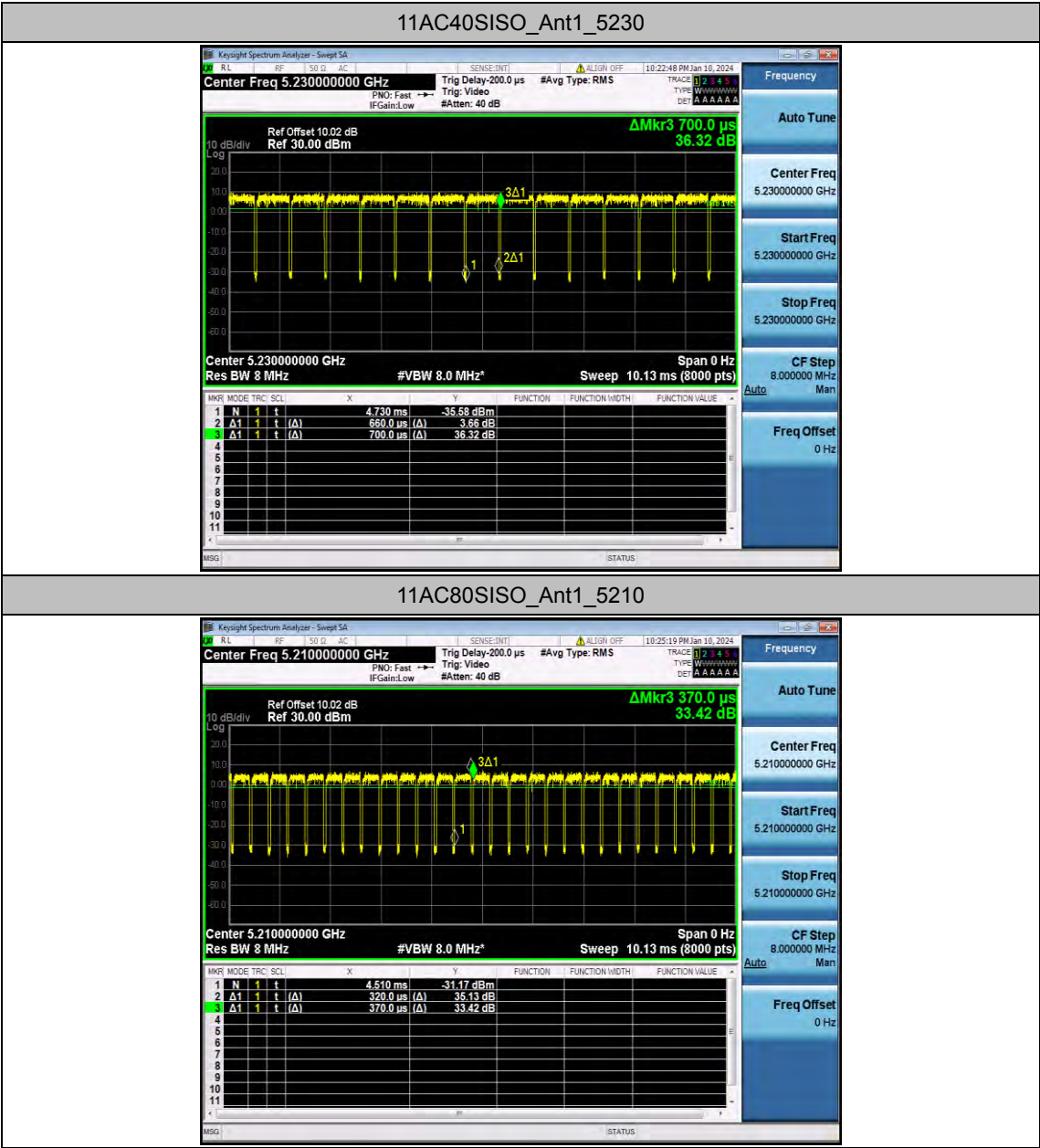












Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	13.07	96.53	0.15	13.22	≤23.98	PASS
		5200	13.59	96.53	0.15	13.74	≤23.98	PASS
		5240	13.83	97.22	0.12	13.95	≤23.98	PASS
11N20SISO	Ant1	5180	15.20	97.01	0.13	15.33	≤23.98	PASS
		5200	11.12	96.30	0.16	11.28	≤23.98	PASS
		5240	11.46	97.01	0.13	11.59	≤23.98	PASS
11N40SISO	Ant1	5190	11.83	94.20	0.26	12.09	≤23.98	PASS
		5230	12.23	92.75	0.33	12.56	≤23.98	PASS
11AC20SISO	Ant1	5180	13.12	96.32	0.16	13.28	≤23.98	PASS
		5200	13.25	96.32	0.16	13.41	≤23.98	PASS
		5240	13.41	97.04	0.13	13.54	≤23.98	PASS
11AC40SISO	Ant1	5190	11.93	94.29	0.26	12.19	≤23.98	PASS
		5230	12.18	94.29	0.26	12.44	≤23.98	PASS
11AC80SISO	Ant1	5210	11.88	86.49	0.63	12.51	≤23.98	PASS

Note:

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

Appendix D.5: Maximum power spectral density

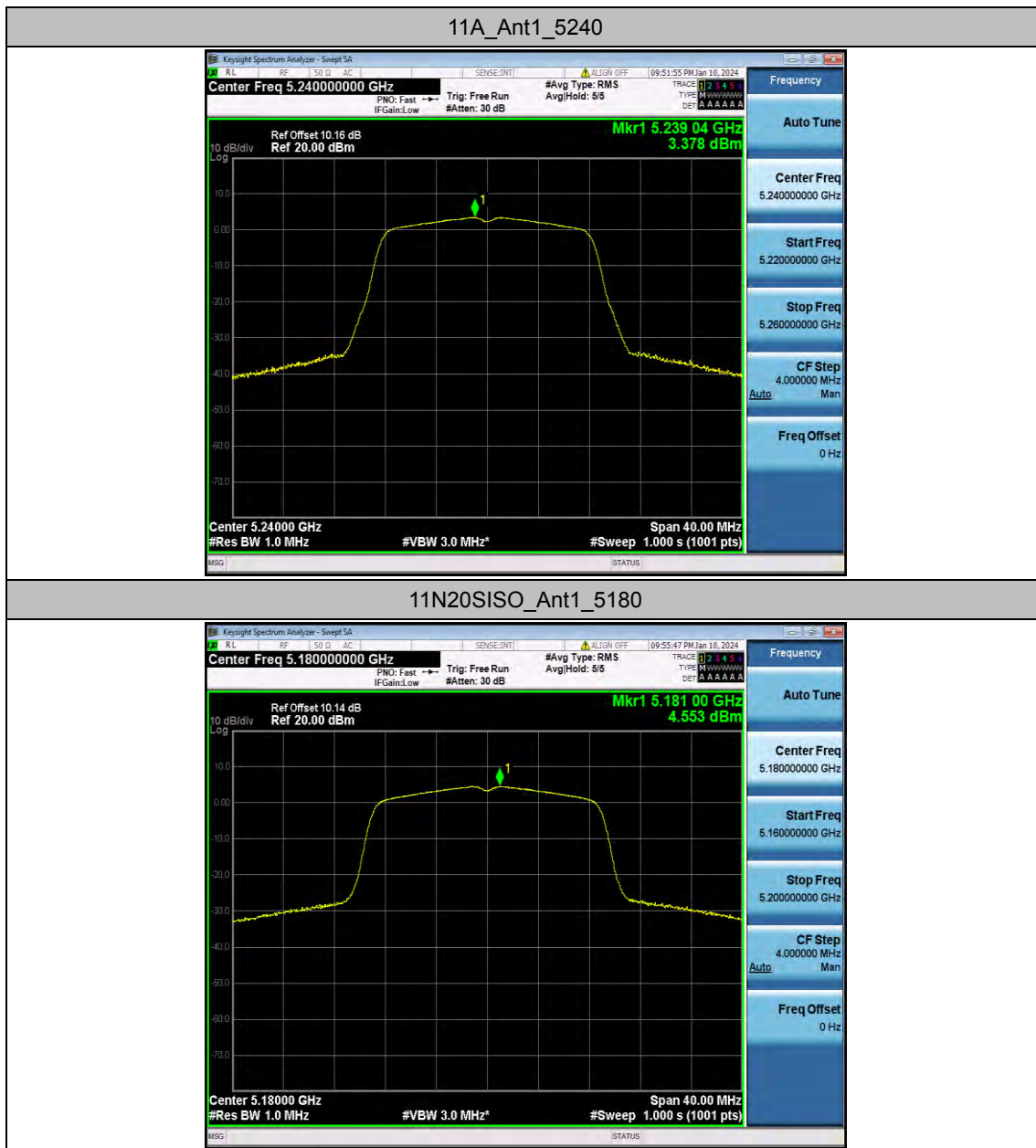
Test Result

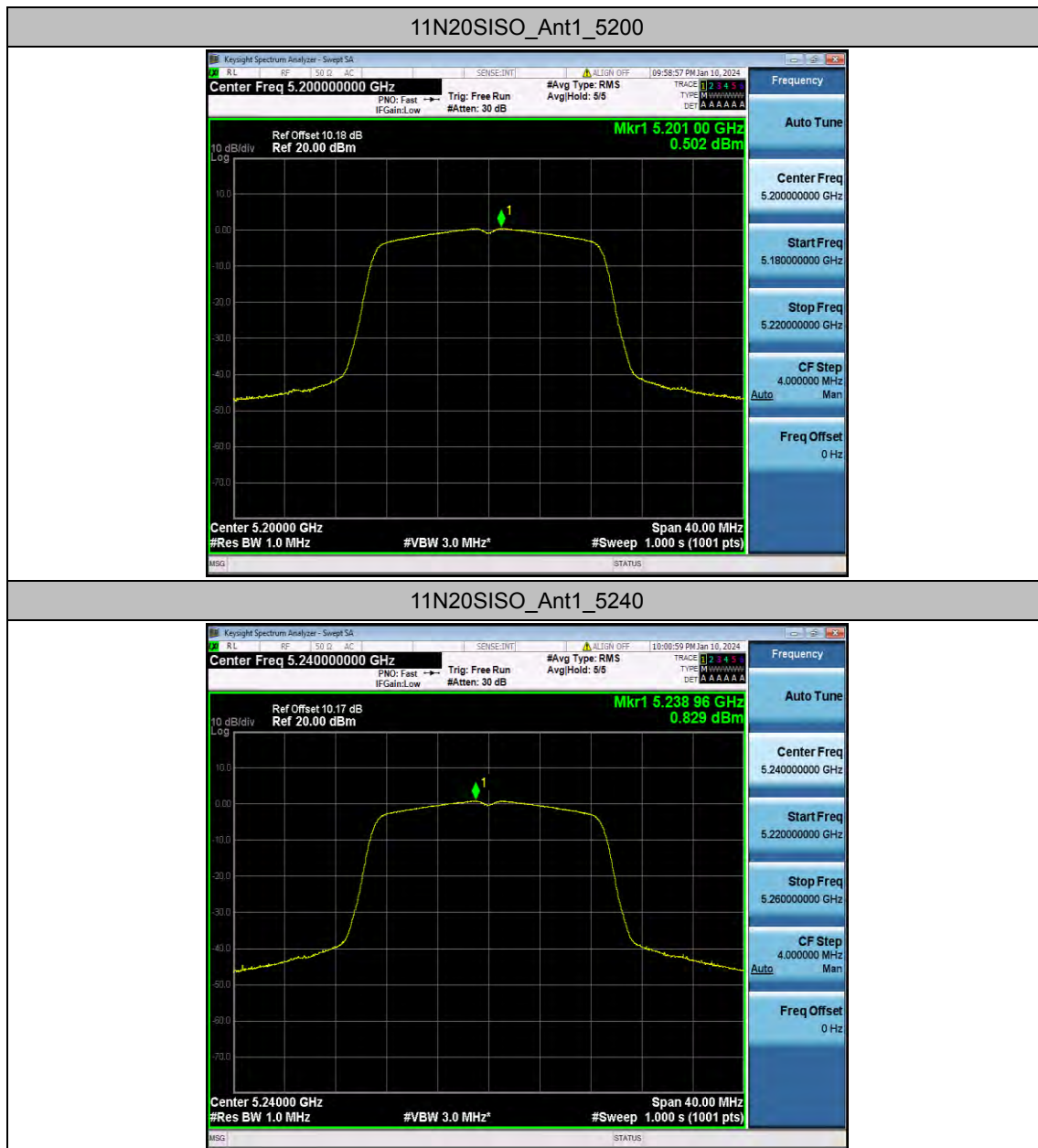
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.70	≤11.00	PASS
		5200	3.12	≤11.00	PASS
		5240	3.38	≤11.00	PASS
11N20SISO	Ant1	5180	4.55	≤11.00	PASS
		5200	0.50	≤11.00	PASS
		5240	0.83	≤11.00	PASS
11N40SISO	Ant1	5190	-1.42	≤11.00	PASS
		5230	-0.91	≤11.00	PASS
11AC20SISO	Ant1	5180	2.44	≤11.00	PASS
		5200	2.65	≤11.00	PASS
		5240	3.03	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.42	≤11.00	PASS
		5230	-1.04	≤11.00	PASS
11AC80SISO	Ant1	5210	-3.88	≤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







11N40SISO_Ant1_5190



11N40SISO_Ant1_5230







