

Case No. : <u>GTS20241129021-2-05</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.6</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	Ant0	5180	22.960	5169.000	5191.960	---	---
		5200	23.200	5188.520	5211.720	---	---
		5240	22.920	5228.400	5251.320	---	---
11N20SISO	Ant0	5180	23.360	5168.120	5191.480	---	---
		5200	23.080	5188.560	5211.640	---	---
		5240	23.200	5228.440	5251.640	---	---
11N40SISO	Ant0	5190	43.200	5168.240	5211.440	---	---
		5230	42.720	5208.560	5251.280	---	---
11AC20SISO	Ant0	5180	23.200	5168.400	5191.600	---	---
		5200	22.800	5188.760	5211.560	---	---
		5240	23.480	5228.160	5251.640	---	---
11AC40SISO	Ant0	5190	43.040	5168.560	5211.600	---	---
		5230	42.880	5208.640	5251.520	---	---
11AC80SISO	Ant0	5210	83.840	5168.240	5252.080	---	---
11AX20SISO	Ant0	5180	22.840	5168.520	5191.360	---	---
		5200	23.480	5188.400	5211.880	---	---
		5240	22.840	5228.480	5251.320	---	---
11AX40SISO	Ant0	5190	41.360	5169.520	5210.880	---	---
		5230	41.680	5208.960	5250.640	---	---
11AX80SISO	Ant0	5210	81.600	5169.200	5250.800	---	---

Test Graphs

11A_Ant0_5180



11A_Ant0_5200



11A_Ant0_5240



11N20SISO_Ant0_5180



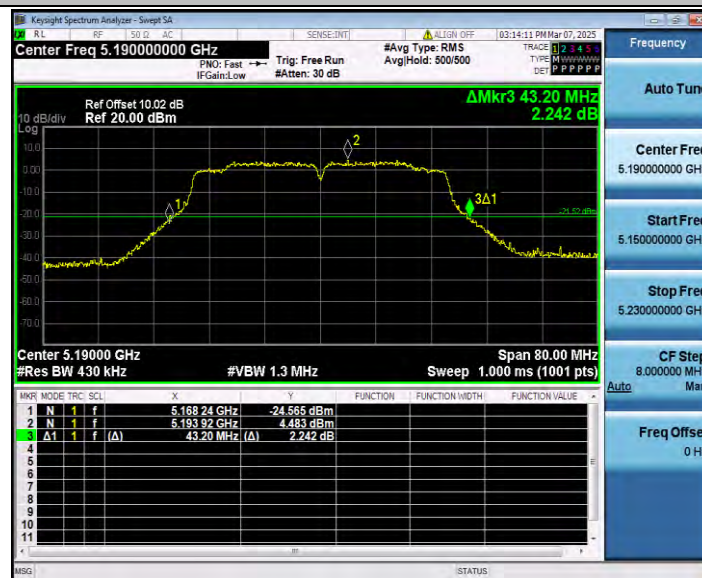
11N20SISO_Ant0_5200



11N20SISO_Ant0_5240



11N40SISO_Ant0_5190



11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180



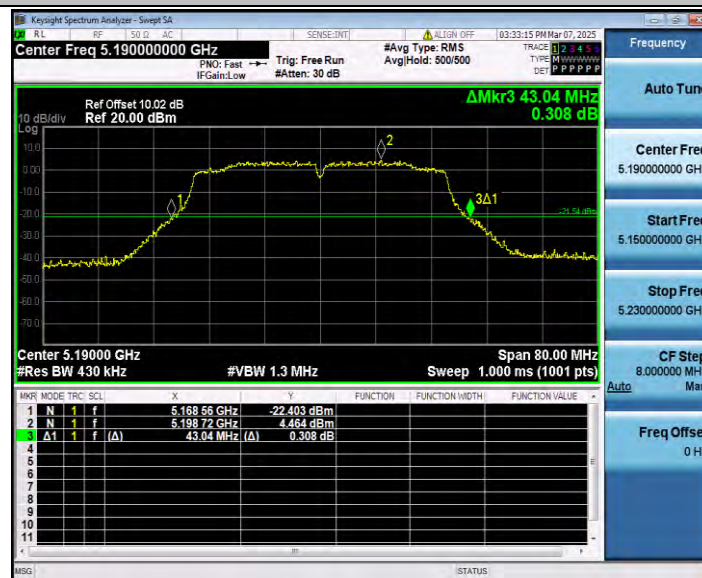
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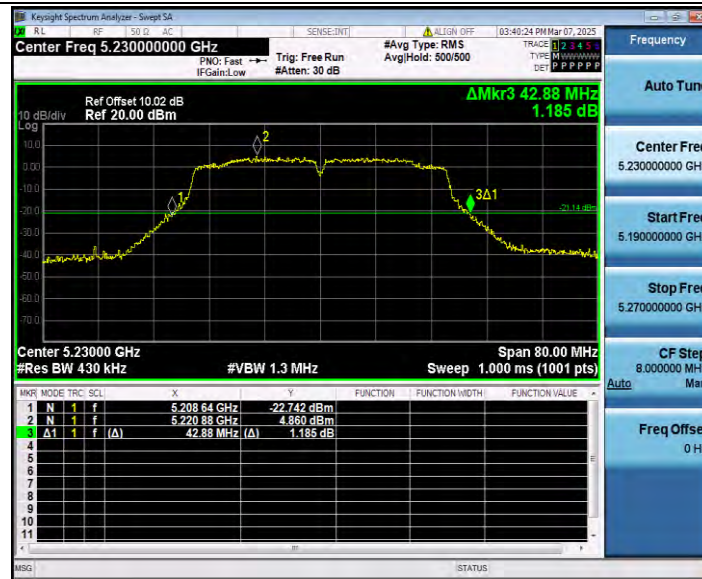
11AC20SISO_Ant0_5240



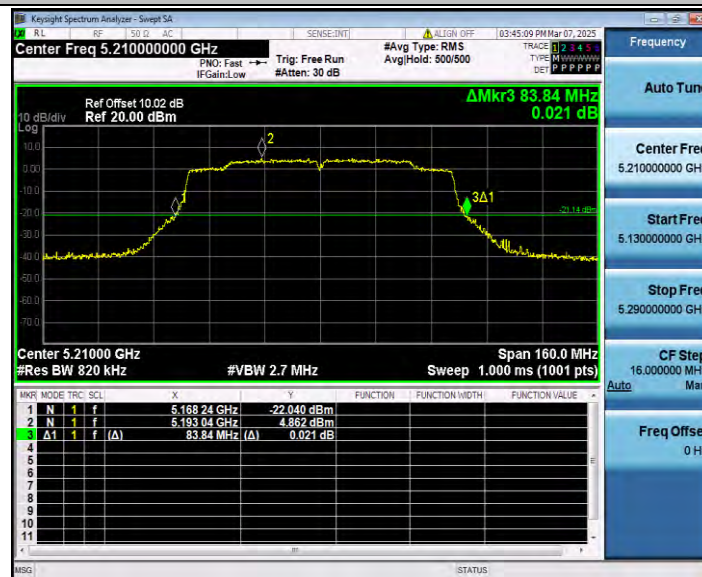
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210



11AX20SISO_Ant0_5180



11AX20SISO_Ant0_5200



11AX20SISO_Ant0_5240



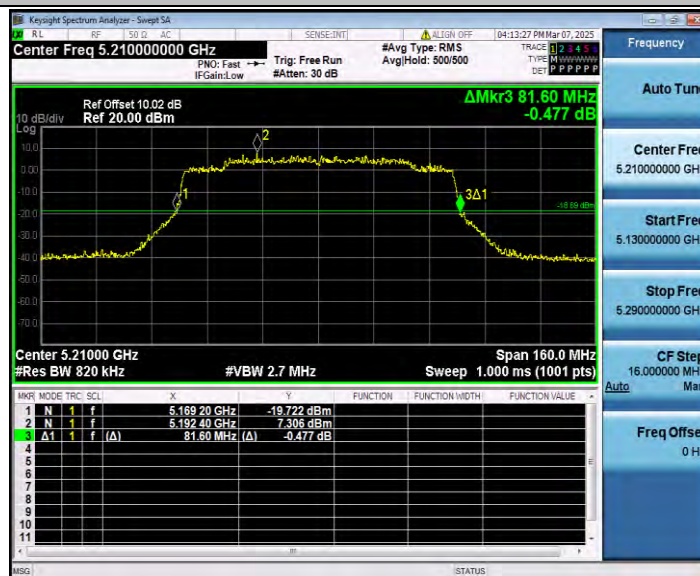
11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



11AX80SISO_Ant0_5210



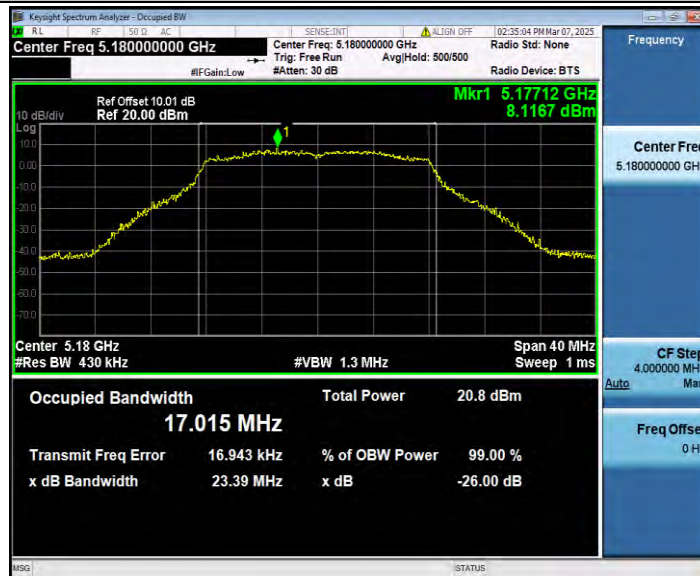
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	17.015	5171.5094	5188.5244	---	---
		5200	17.009	5191.5008	5208.5098	---	---
		5240	16.993	5231.4764	5248.4694	---	---
11N20SISO	Ant0	5180	18.041	5170.9994	5189.0404	---	---
		5200	18.011	5191.0089	5209.0199	---	---
		5240	17.961	5230.9815	5248.9425	---	---
11N40SISO	Ant0	5190	36.249	5171.9088	5208.1578	---	---
		5230	36.188	5211.8747	5248.0627	---	---
11AC20SISO	Ant0	5180	18.016	5171.0149	5189.0309	---	---
		5200	17.999	5191.0110	5209.0100	---	---
		5240	18.020	5230.9675	5248.9875	---	---
11AC40SISO	Ant0	5190	36.204	5171.9306	5208.1346	---	---
		5230	36.178	5211.9046	5248.0826	---	---
11AC80SISO	Ant0	5210	75.045	5172.5456	5247.5906	---	---
11AX20SISO	Ant0	5180	18.994	5170.5226	5189.5166	---	---
		5200	18.972	5190.5276	5209.4996	---	---
		5240	18.963	5230.5307	5249.4937	---	---
11AX40SISO	Ant0	5190	37.635	5171.1884	5208.8234	---	---
		5230	37.700	5211.1784	5248.8784	---	---
11AX80SISO	Ant0	5210	76.701	5171.7020	5248.4030	---	---

Test Graphs

11A_Ant0_5180



11A_Ant0_5200



11A_Ant0_5240



11N20SISO_Ant0_5180



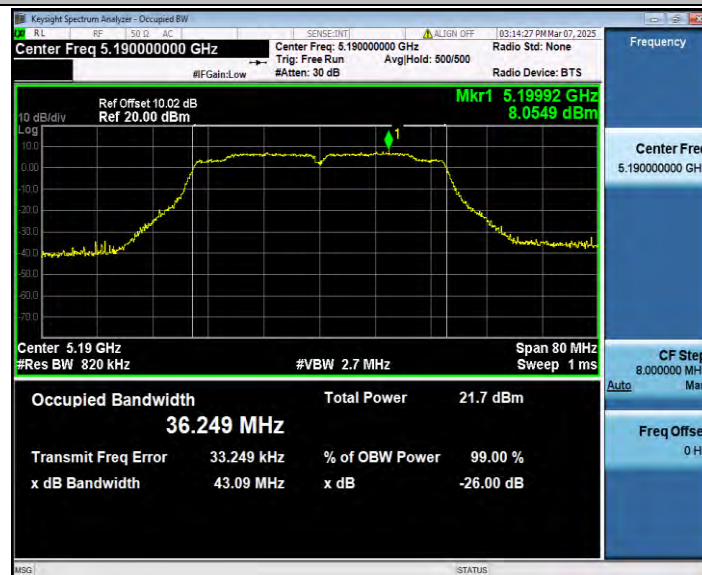
11N20SISO_Ant0_5200



11N20SISO_Ant0_5240



11N40SISO_Ant0_5190



11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180



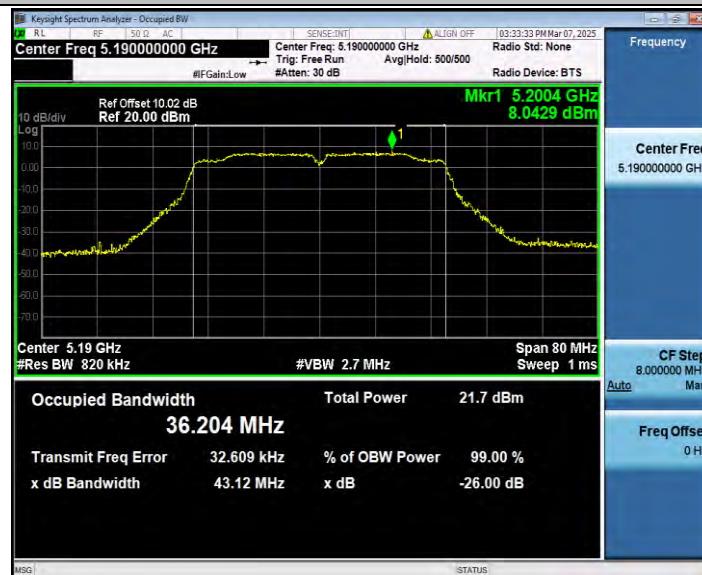
11AC20SISO_Ant0_5200



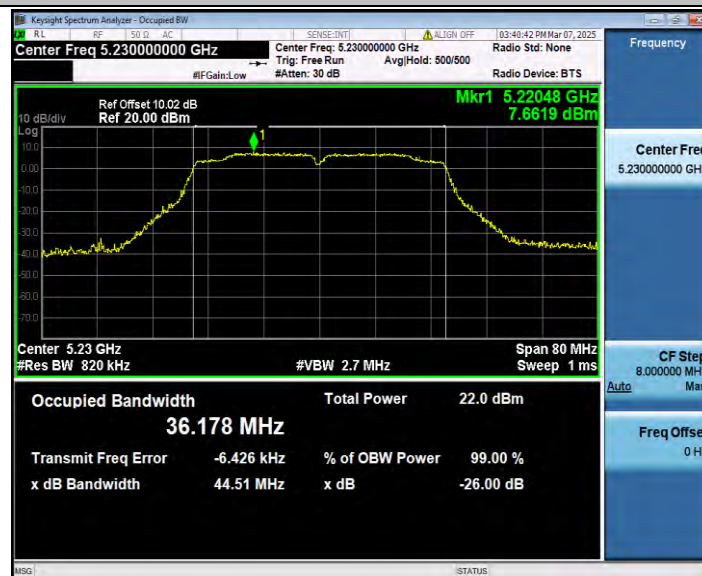
11AC20SISO_Ant0_5240



11AC40SISO_Ant0_5190



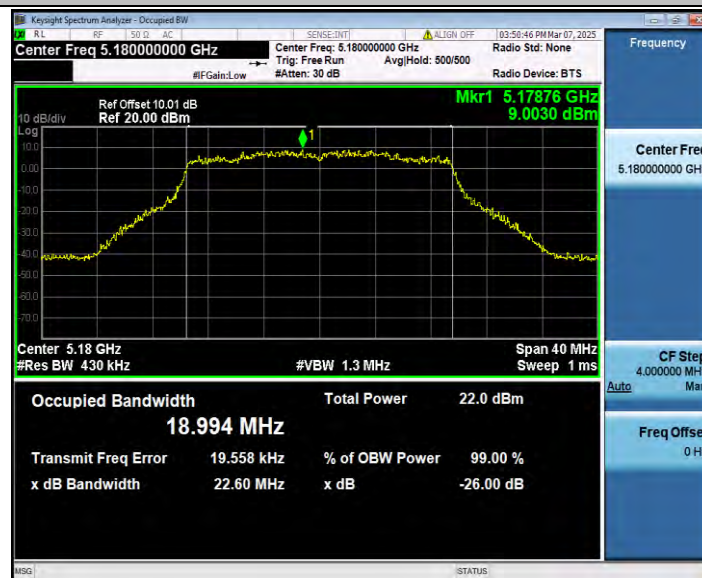
11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210



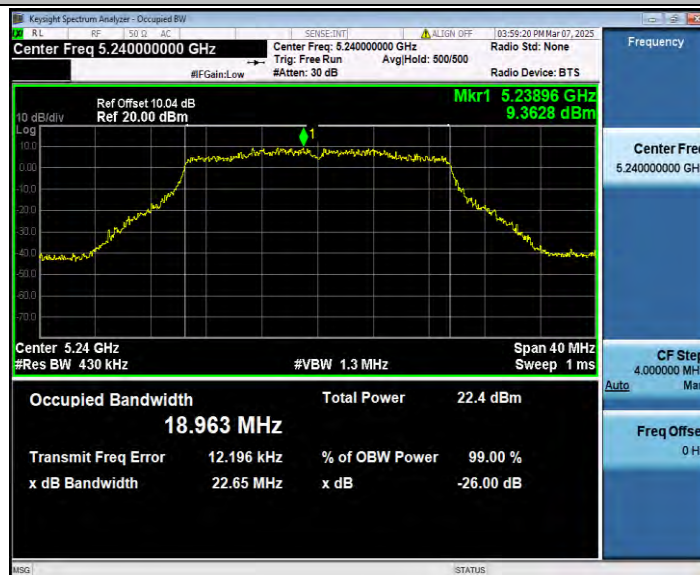
11AX20SISO_Ant0_5180



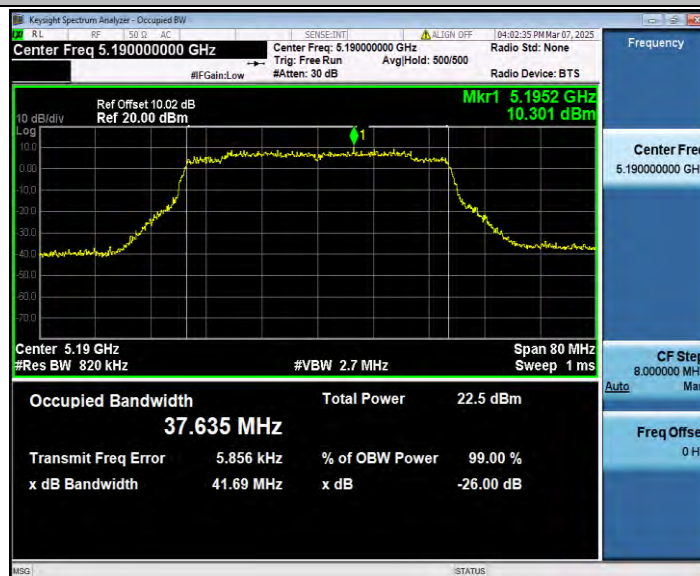
11AX20SISO_Ant0_5200



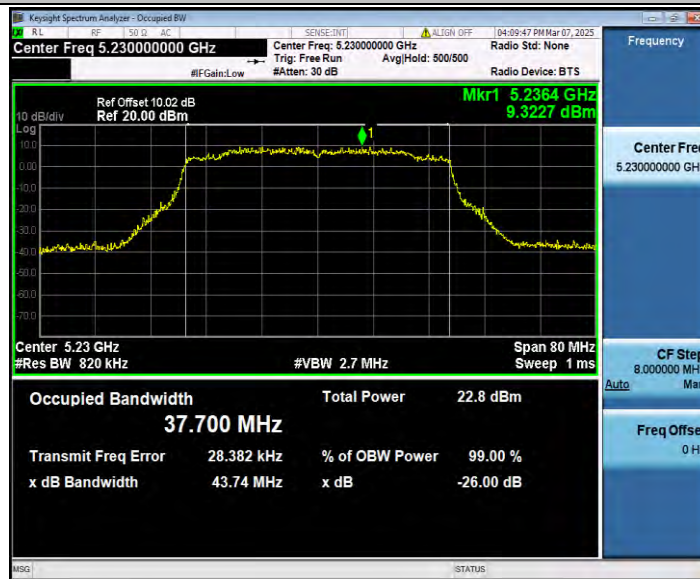
11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



11AX80SISO_Ant0_5210

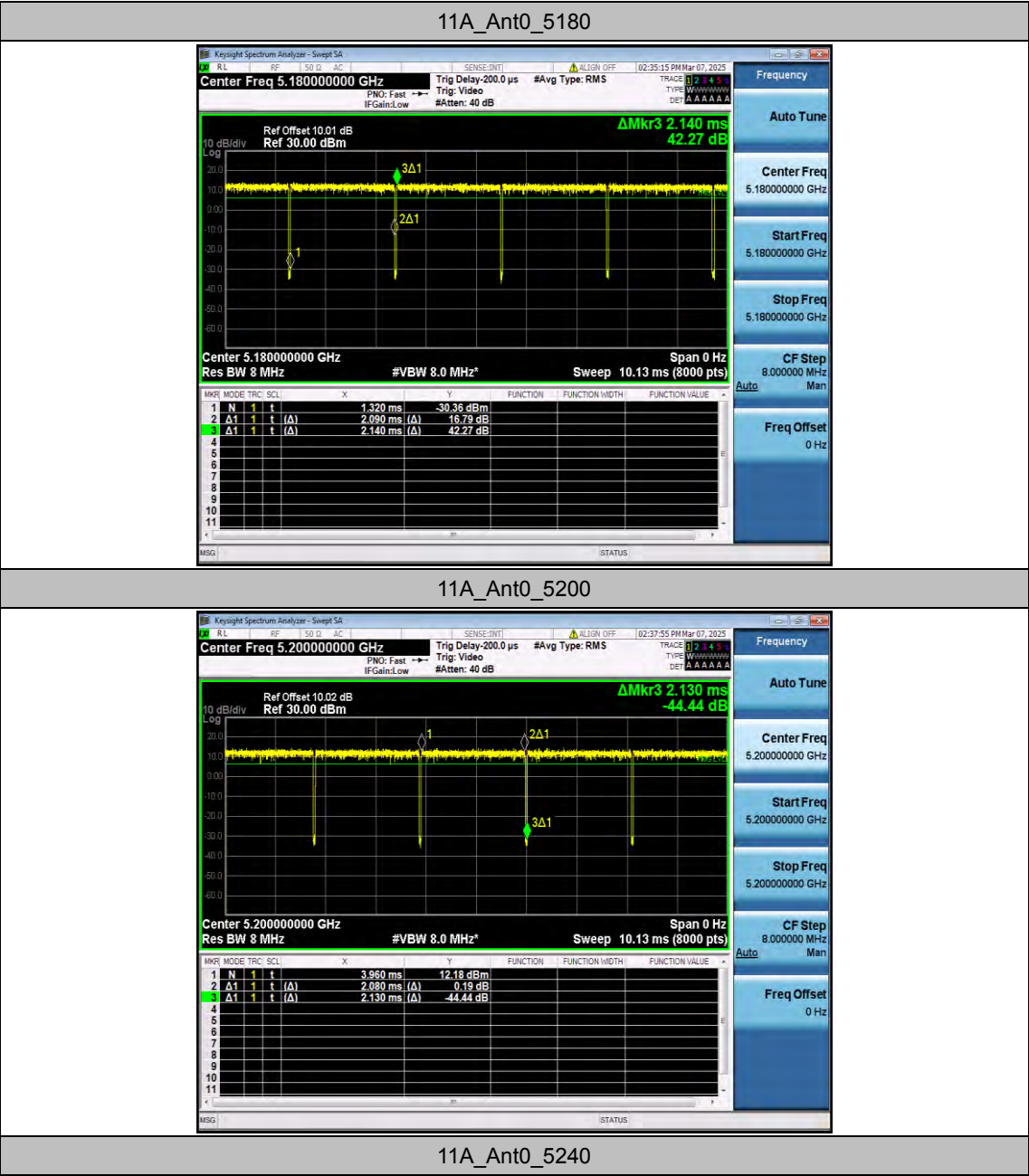


Appendix D.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant0	5180	2.09	2.14	97.66	0.10	0.48
		5200	2.08	2.13	97.65	0.10	0.48
		5240	2.09	2.14	97.66	0.10	0.48
11N20SISO	Ant0	5180	3.97	4.02	98.76	0.05	0.25
		5200	3.98	4.03	98.76	0.05	0.25
		5240	3.98	4.03	98.76	0.05	0.25
11N40SISO	Ant0	5190	3.97	4.02	98.76	0.05	0.25
		5230	3.97	4.02	98.76	0.05	0.25
11AC20SISO	Ant0	5180	3.95	4.00	98.75	0.05	0.25
		5200	3.95	4.00	98.75	0.05	0.25
		5240	3.95	4.00	98.75	0.05	0.25
11AC40SISO	Ant0	5190	3.96	4.01	98.75	0.05	0.25
		5230	3.96	4.00	99.00	0.04	0.25
11AC80SISO	Ant0	5210	3.96	4.01	98.75	0.05	0.25
11AX20SISO	Ant0	5180	3.98	4.03	98.76	0.05	0.25
		5200	3.98	4.03	98.76	0.05	0.25
		5240	3.98	4.03	98.76	0.05	0.25
11AX40SISO	Ant0	5190	3.98	4.03	98.76	0.05	0.25
		5230	3.98	4.03	98.76	0.05	0.25
11AX80SISO	Ant0	5210	3.98	4.03	98.76	0.05	0.25

Test Graphs



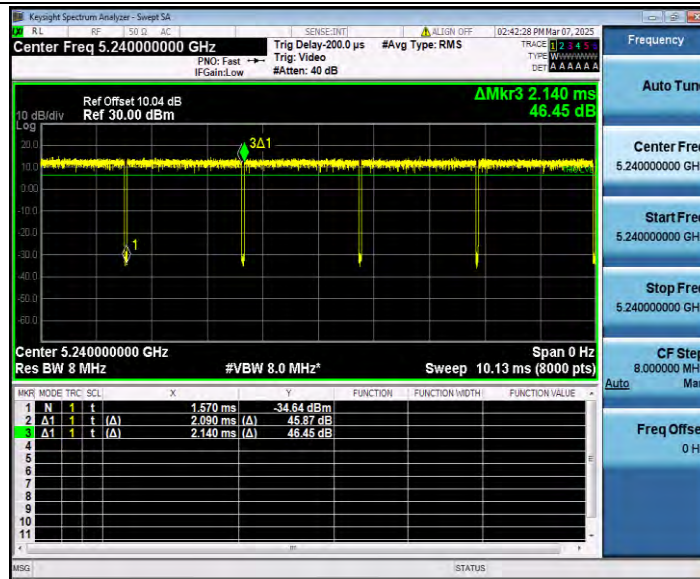
11A_Ant0_5200

Frequency

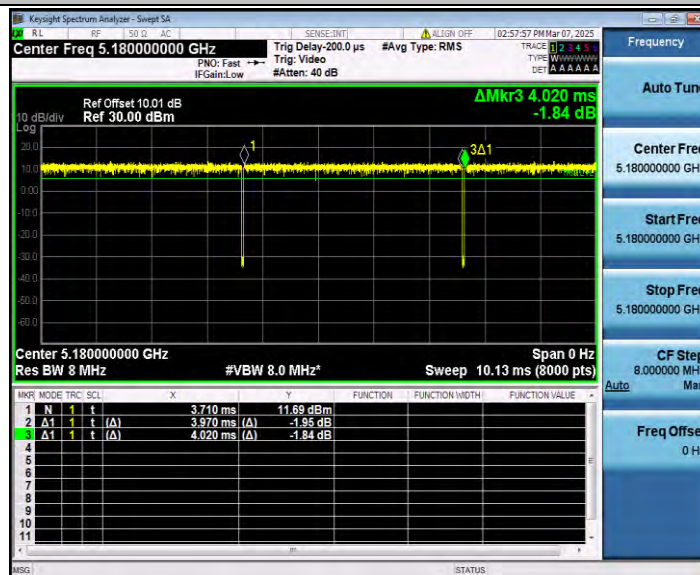
Auto Tune

Center Freq
5.200000000 GHzStart Freq
5.200000000 GHzStop Freq
5.200000000 GHzCF Step
8.000000000 MHzFreq Offset
0 Hz

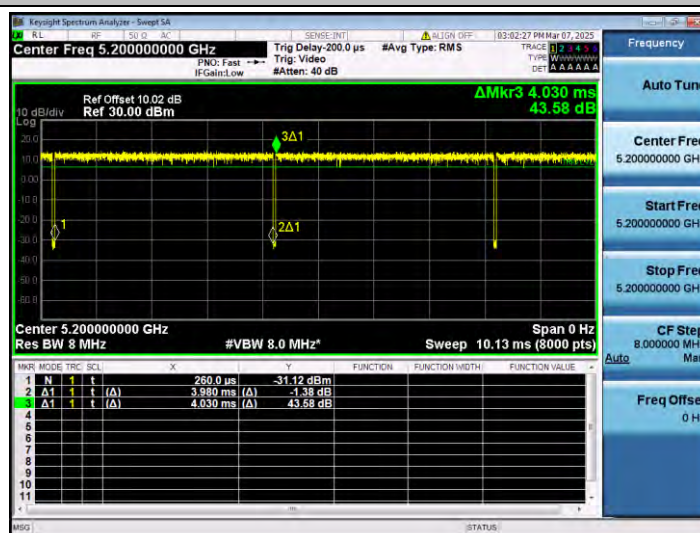
11A_Ant0_5240



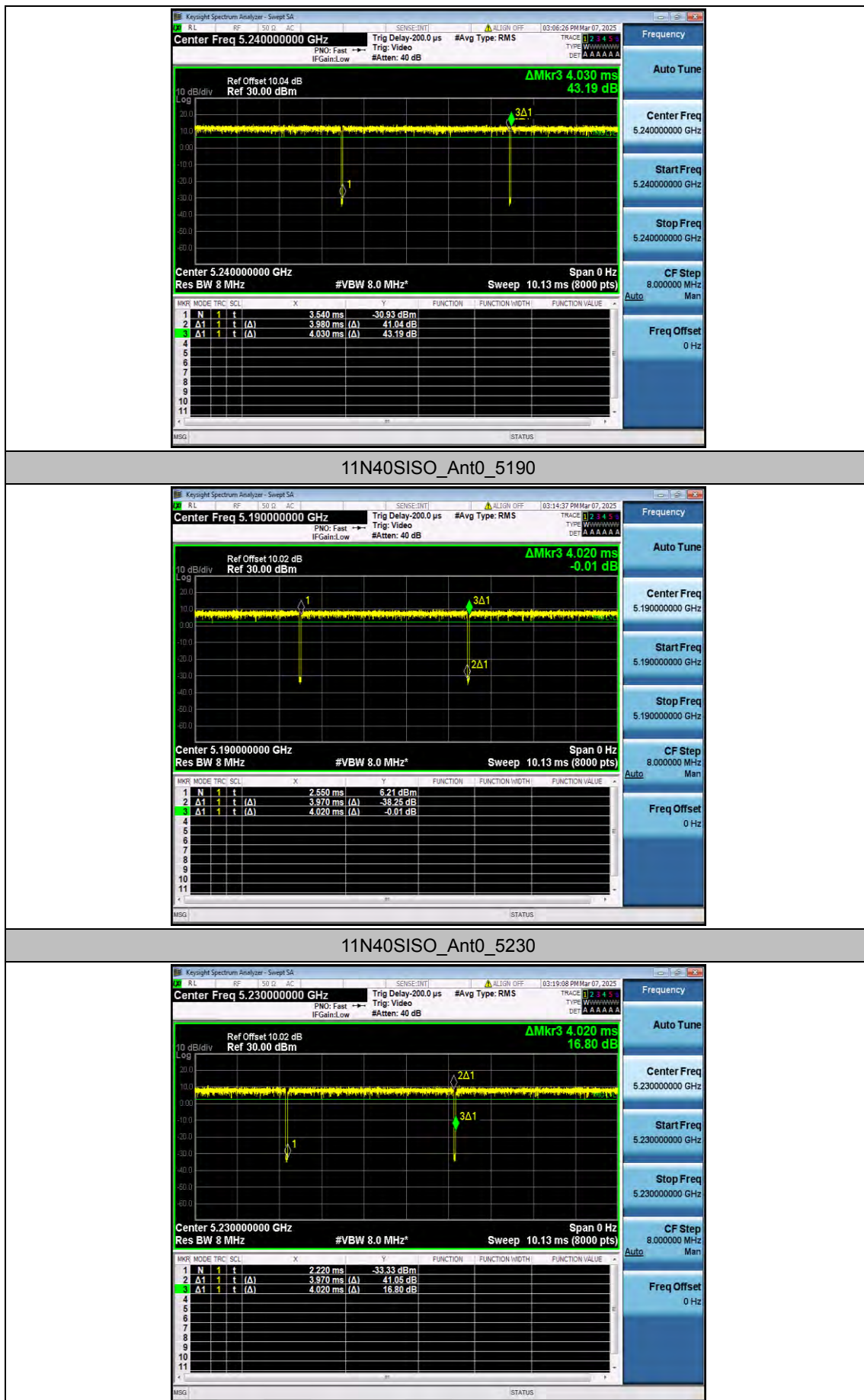
11N20SISO_Ant0_5180



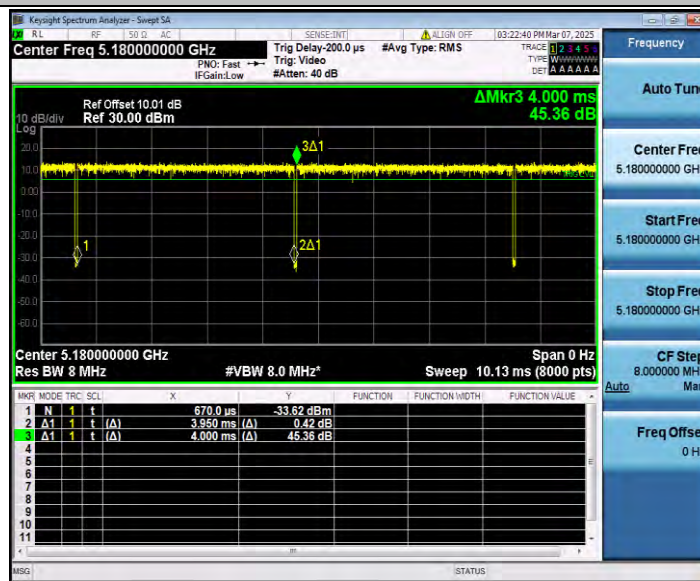
11N20SISO_Ant0_5200



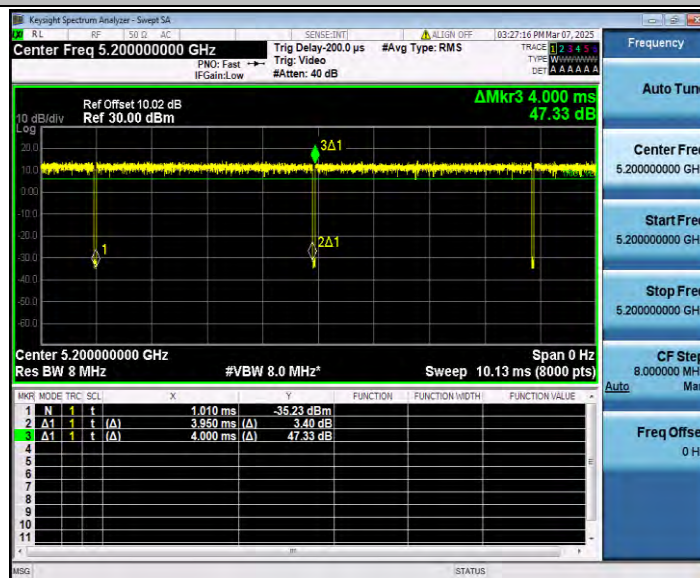
11N20SISO_Ant0_5240



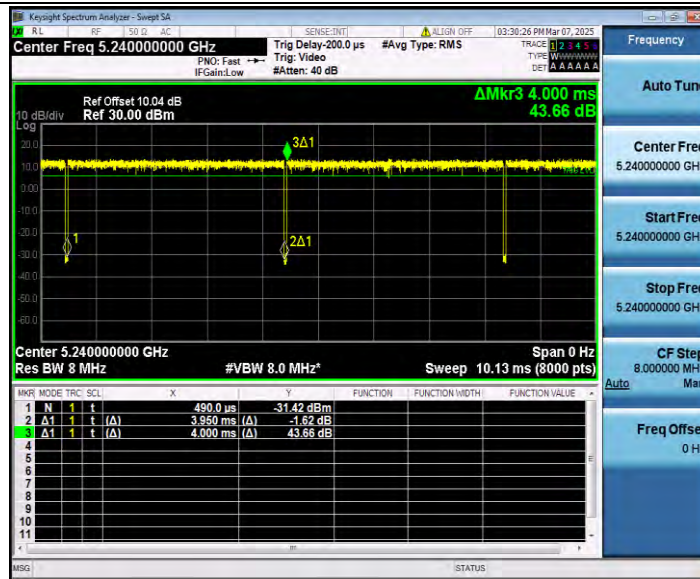
11AC20SISO_Ant0_5180



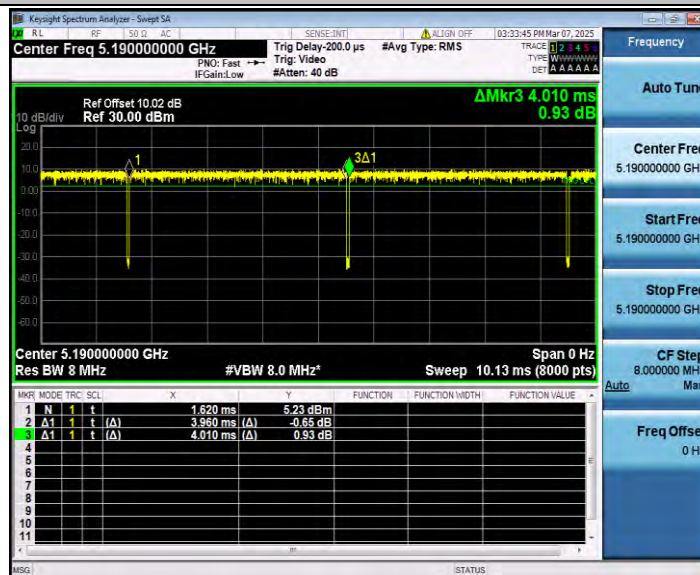
11AC20SISO_Ant0_5200



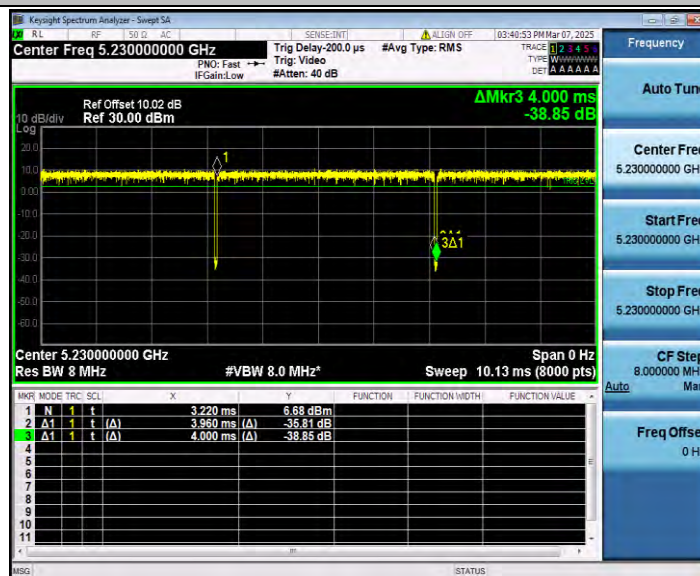
11AC20SISO_Ant0_5240



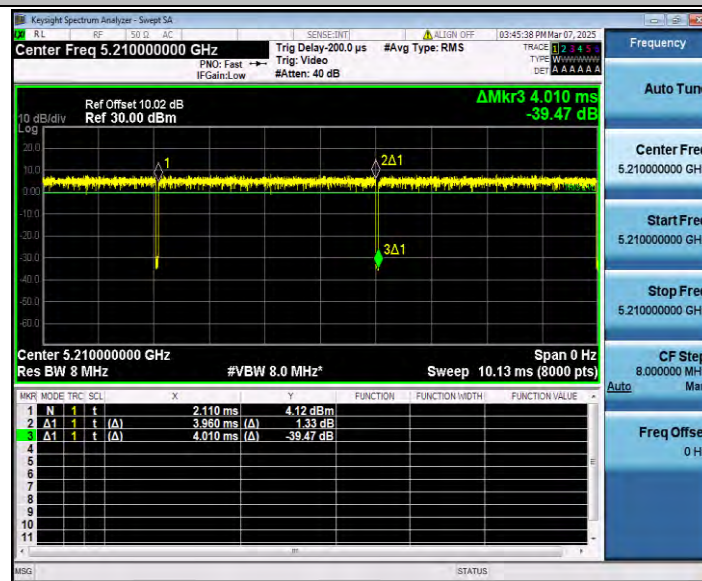
11AC40SISO_Ant0_5190



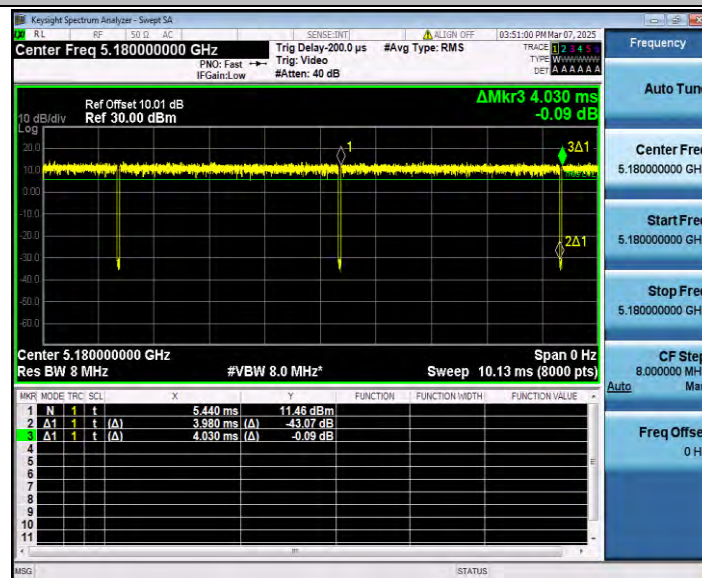
11AC40SISO_Ant0_5230



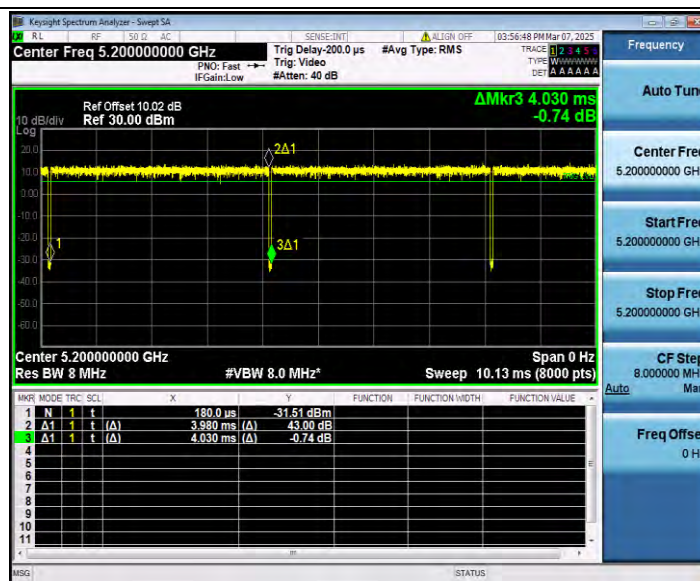
11AC80SISO_Ant0_5210



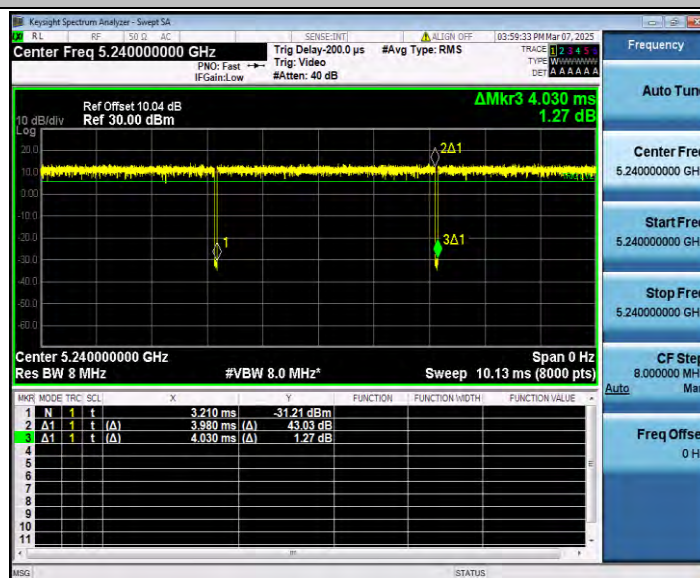
11AX20SISO_Ant0_5180



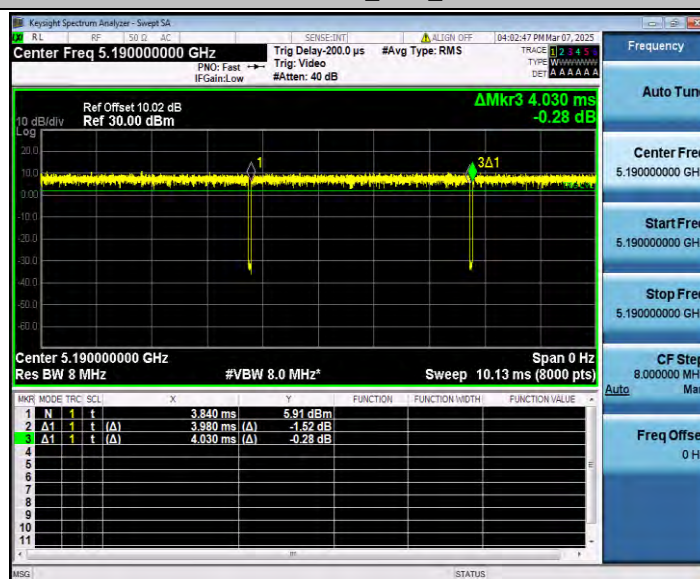
11AX20SISO_Ant0_5200

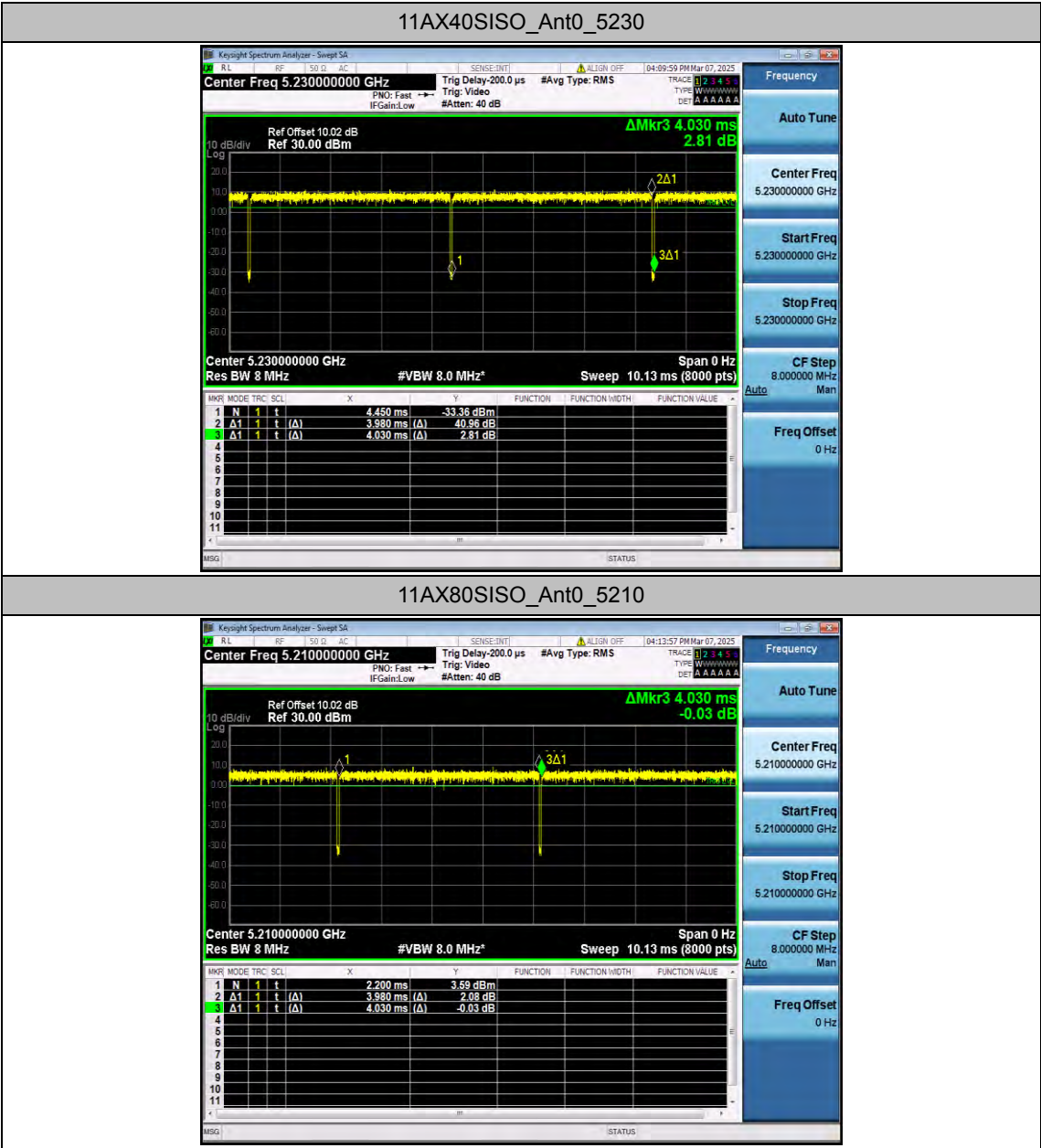


11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190





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	Ant0	5180	13.86	97.66	0.10	13.96	≤23.98	PASS
		5200	14.10	97.65	0.10	14.20	≤23.98	PASS
		5240	14.29	97.66	0.10	14.39	≤23.98	PASS
11N20SISO	Ant0	5180	14.10	98.76	0.05	14.15	≤23.98	PASS
		5200	14.47	98.76	0.05	14.52	≤23.98	PASS
		5240	14.24	98.76	0.05	14.29	≤23.98	PASS
11N40SISO	Ant0	5190	14.06	98.76	0.05	14.11	≤23.98	PASS
		5230	14.36	98.76	0.05	14.41	≤23.98	PASS
11AC20SISO	Ant0	5180	13.77	98.75	0.05	13.82	≤23.98	PASS
		5200	14.07	98.75	0.05	14.12	≤23.98	PASS
		5240	14.15	98.75	0.05	14.20	≤23.98	PASS
11AC40SISO	Ant0	5190	14.06	98.75	0.05	14.11	≤23.98	PASS
		5230	14.35	99.00	0.04	14.39	≤23.98	PASS
11AC80SISO	Ant0	5210	14.29	98.75	0.05	14.34	≤23.98	PASS
11AX20SISO	Ant0	5180	13.68	98.76	0.05	13.73	≤23.98	PASS
		5200	13.83	98.76	0.05	13.88	≤23.98	PASS
		5240	13.99	98.76	0.05	14.04	≤23.98	PASS
11AX40SISO	Ant0	5190	13.78	98.76	0.05	13.83	≤23.98	PASS
		5230	14.03	98.76	0.05	14.08	≤23.98	PASS
11AX80SISO	Ant0	5210	13.96	98.76	0.05	14.01	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5180	3.04	≤11.00	PASS
		5200	3.26	≤11.00	PASS
		5240	3.54	≤11.00	PASS
11N20SISO	Ant0	5180	2.90	≤11.00	PASS
		5200	3.22	≤11.00	PASS
		5240	3.15	≤11.00	PASS
11N40SISO	Ant0	5190	-0.24	≤11.00	PASS
		5230	0.21	≤11.00	PASS
11AC20SISO	Ant0	5180	2.56	≤11.00	PASS
		5200	2.95	≤11.00	PASS
		5240	3.16	≤11.00	PASS
11AC40SISO	Ant0	5190	-0.26	≤11.00	PASS
		5230	0.06	≤11.00	PASS
11AC80SISO	Ant0	5210	-2.95	≤11.00	PASS
11AX20SISO	Ant0	5180	2.26	≤11.00	PASS
		5200	2.56	≤11.00	PASS
		5240	2.76	≤11.00	PASS
11AX40SISO	Ant0	5190	-0.73	≤11.00	PASS
		5230	-0.36	≤11.00	PASS
11AX80SISO	Ant0	5210	-3.31	≤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_Ant0_5180



11A_Ant0_5200



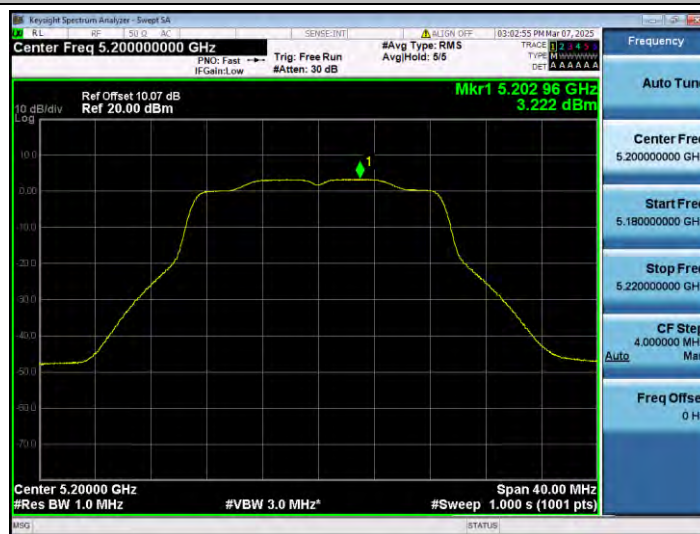
11A_Ant0_5240



11N20SISO_Ant0_5180



11N20SISO_Ant0_5200



11N20SISO_Ant0_5240



11N40SISO_Ant0_5190



11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180



11AC20SISO_Ant0_5200



11AC20SISO_Ant0_5240



11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



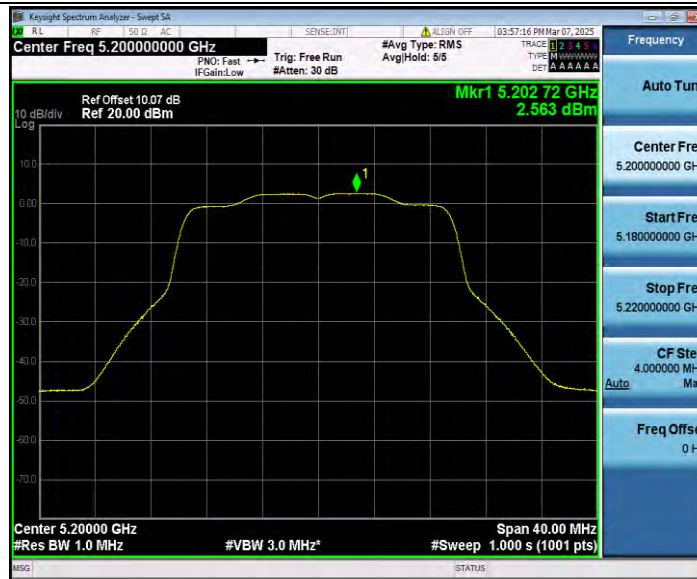
11AC80SISO_Ant0_5210



11AX20SISO_Ant0_5180



11AX20SISO_Ant0_5200



11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



11AX80SISO_Ant0_5210

