

Case No. : GTS20221010004-1-5	
Ambient Condition: 26 °C, 47 %RH, Atmos100.1Kpa,	
Test Date: 2022.10.19	Test Engineer: Jenny zeng

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.600	5168.280	5192.880	---	---
		5200	23.520	5188.080	5211.600	---	---
		5240	19.840	5230.200	5250.040	---	---
11N20SISO	Ant1	5180	24.640	5167.840	5192.480	---	---
		5200	25.920	5187.520	5213.440	---	---
		5240	20.080	5230.000	5250.080	---	---
11N40SISO	Ant1	5190	39.840	5170.160	5210.000	---	---
		5230	40.080	5210.080	5250.160	---	---
11AC20SISO	Ant1	5180	24.080	5168.280	5192.360	---	---
		5200	24.880	5187.160	5212.040	---	---
		5240	20.080	5229.920	5250.000	---	---
11AC40SISO	Ant1	5190	39.520	5170.320	5209.840	---	---
		5230	40.320	5210.000	5250.320	---	---
11AC80SISO	Ant1	5210	80.320	5169.840	5250.160	---	---
11AX20SISO	Ant1	5180	22.960	5168.240	5191.200	---	---
		5200	21.800	5189.200	5211.000	---	---
		5240	19.840	5230.040	5249.880	---	---
11AX40SISO	Ant1	5190	39.440	5170.240	5209.680	---	---
		5230	39.600	5210.160	5249.760	---	---
11AX80SISO	Ant1	5210	80.000	5170.000	5250.000	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



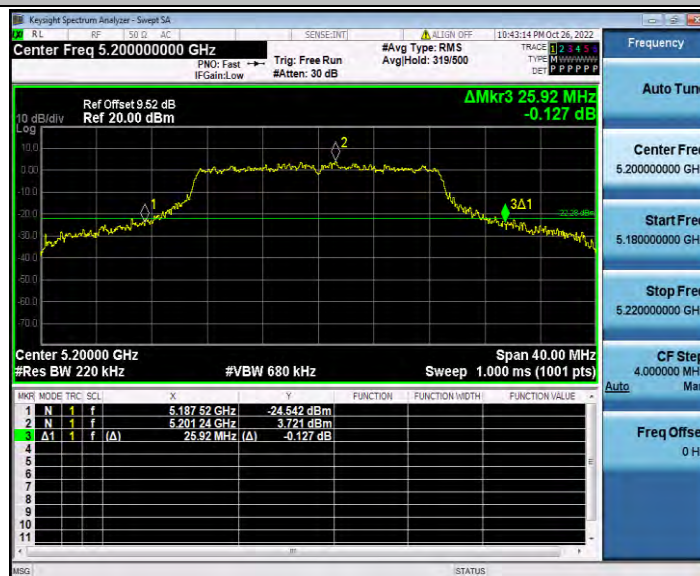
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



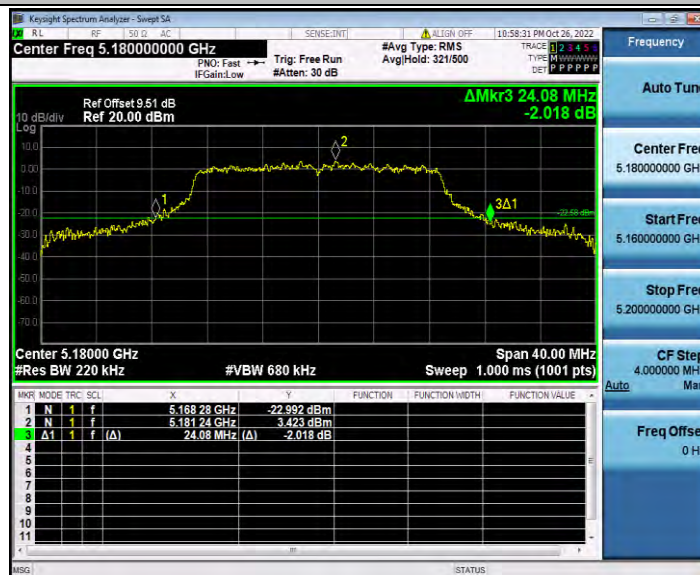
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



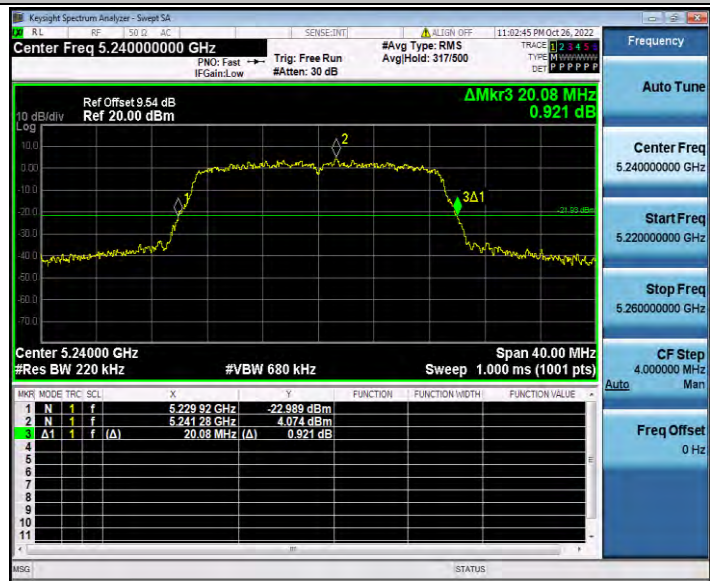
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



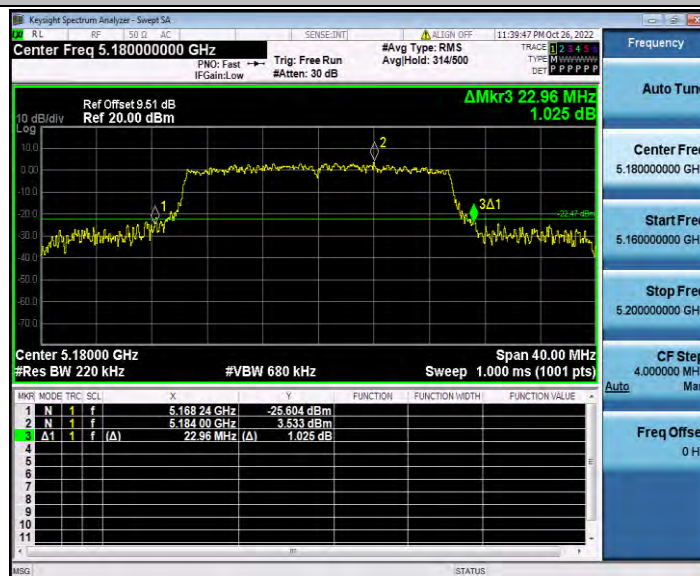
11AC40SISO_Ant1_5230



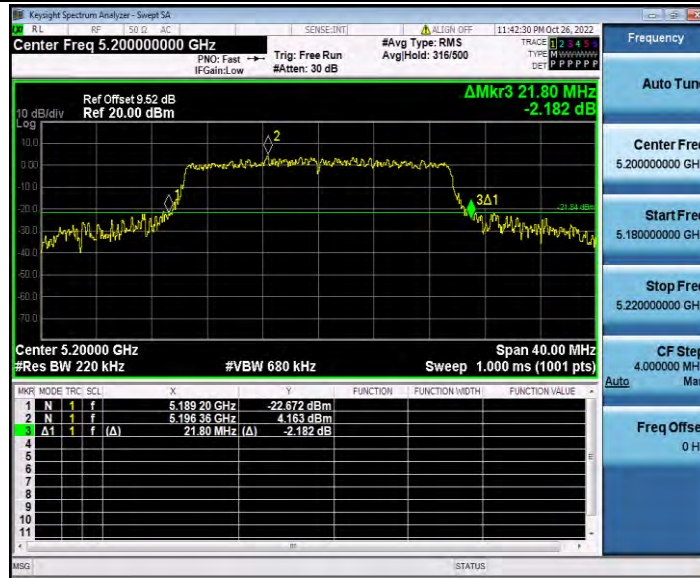
11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40ISO_Ant1_5230



11AX80ISO_Ant1_5210



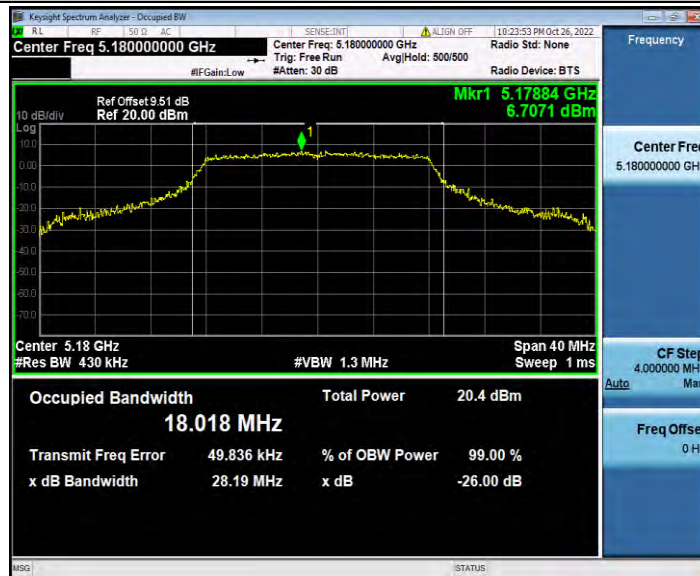
Appendix D.2: Occupied channel bandwidth

Test Result

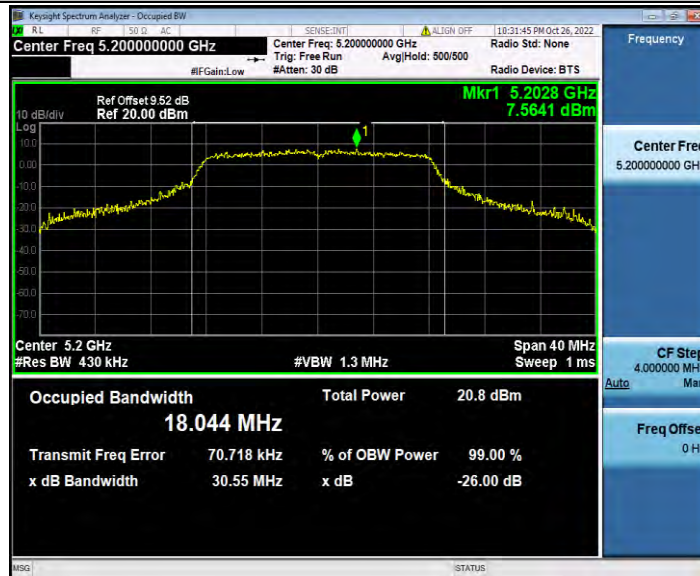
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.018	5171.041	5189.059	---	---
		5200	18.044	5191.049	5209.093	---	---
		5240	16.884	5231.603	5248.487	---	---
11N20SISO	Ant1	5180	18.981	5170.590	5189.571	---	---
		5200	18.950	5190.562	5209.512	---	---
		5240	17.843	5231.098	5248.941	---	---
11N40SISO	Ant1	5190	35.916	5172.120	5208.036	---	---
		5230	36.101	5211.995	5248.096	---	---
11AC20SISO	Ant1	5180	18.884	5170.600	5189.484	---	---
		5200	18.811	5190.619	5209.430	---	---
		5240	17.831	5231.103	5248.934	---	---
11AC40SISO	Ant1	5190	35.936	5172.093	5208.029	---	---
		5230	36.028	5211.993	5248.021	---	---
11AC80SISO	Ant1	5210	74.993	5172.633	5247.626	---	---
11AX20SISO	Ant1	5180	19.204	5170.377	5189.581	---	---
		5200	19.205	5190.390	5209.595	---	---
		5240	18.907	5230.524	5249.431	---	---
11AX40SISO	Ant1	5190	37.523	5171.291	5208.814	---	---
		5230	37.490	5211.256	5248.746	---	---
11AX80SISO	Ant1	5210	76.710	5171.751	5248.461	---	---

Test Graphs

11A_Ant1_5180



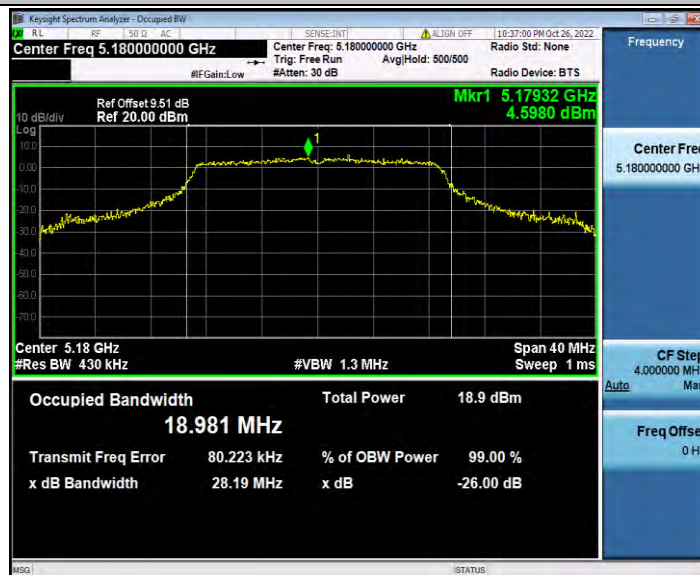
11A_Ant1_5200



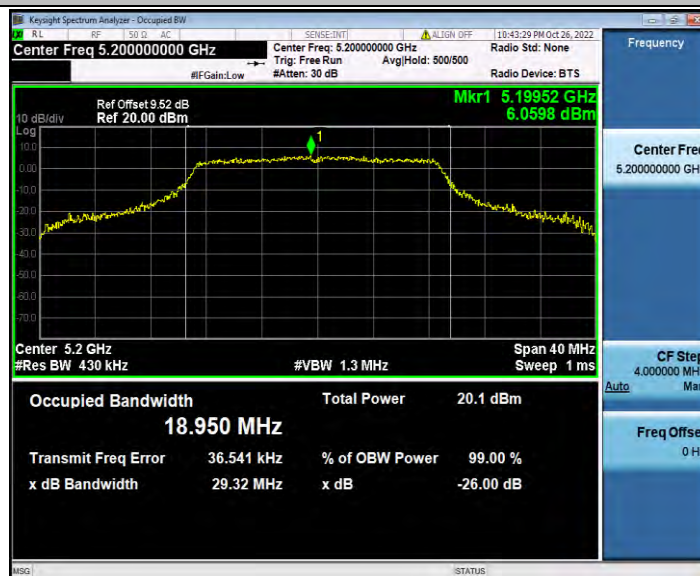
11A_Ant1_5240



11N20SISO_Ant1_5180



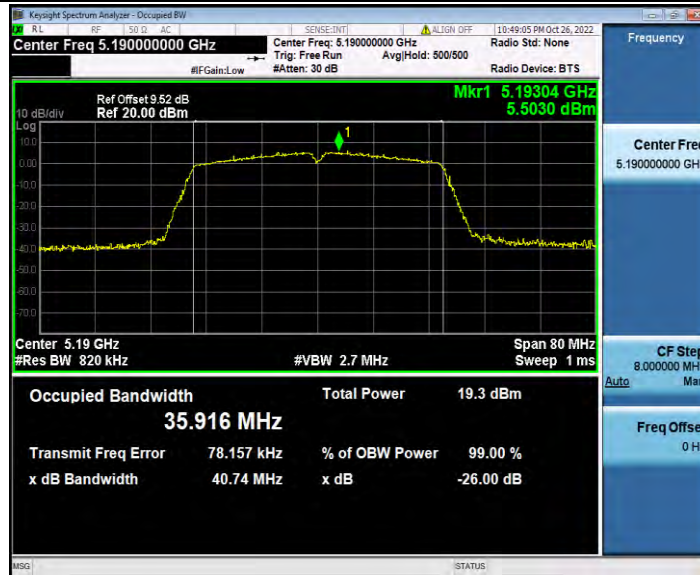
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



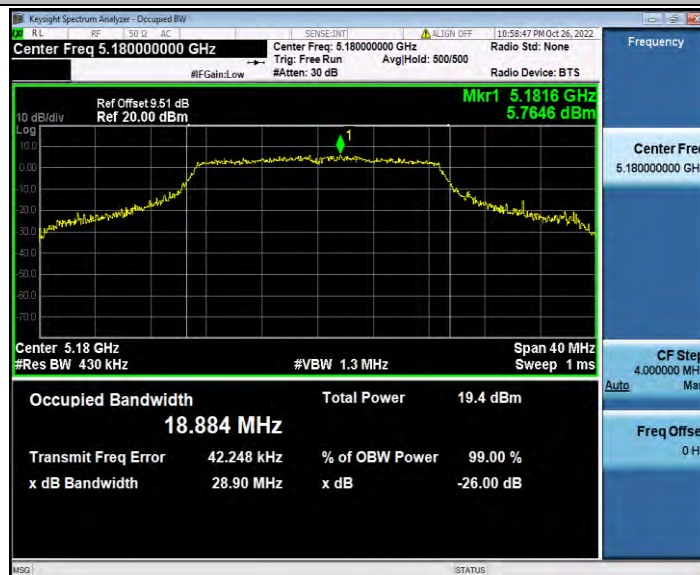
11N40SISO_Ant1_5190



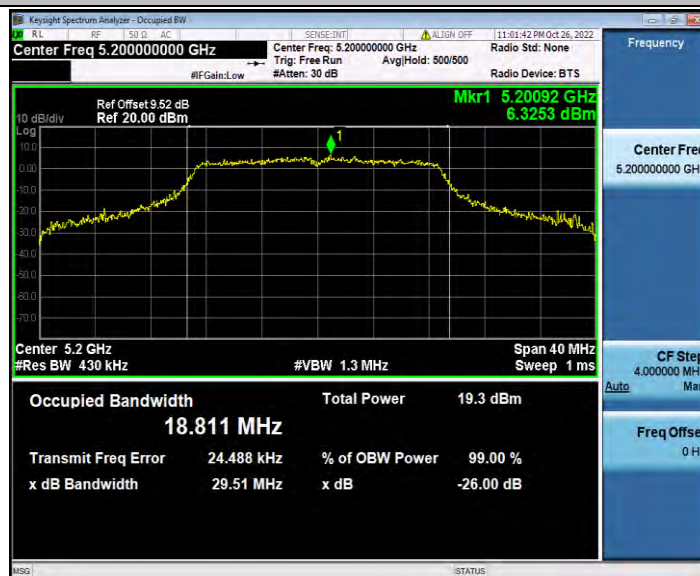
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



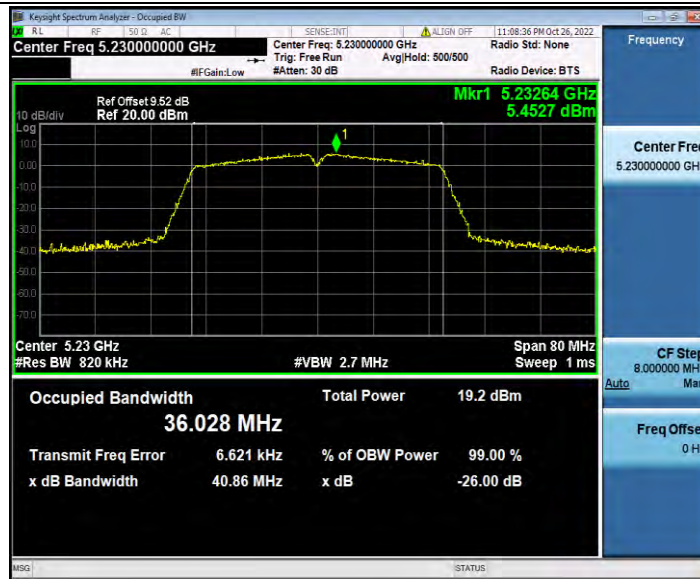
11AC20SISO_Ant1_5240



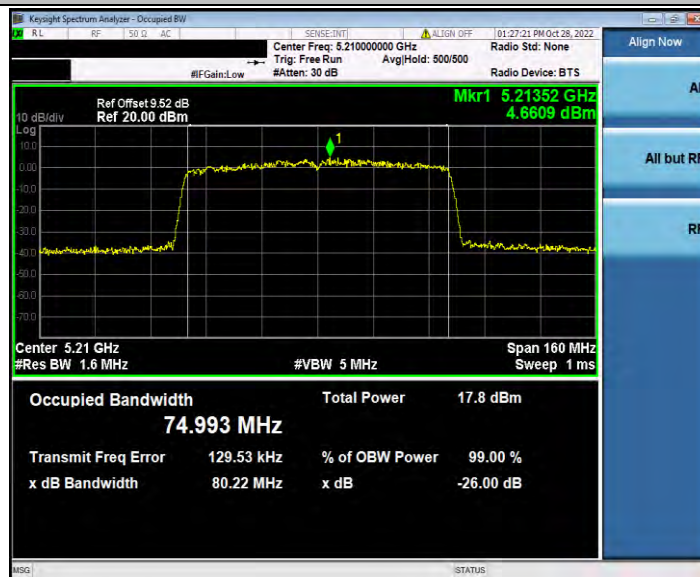
11AC40SISO_Ant1_5190



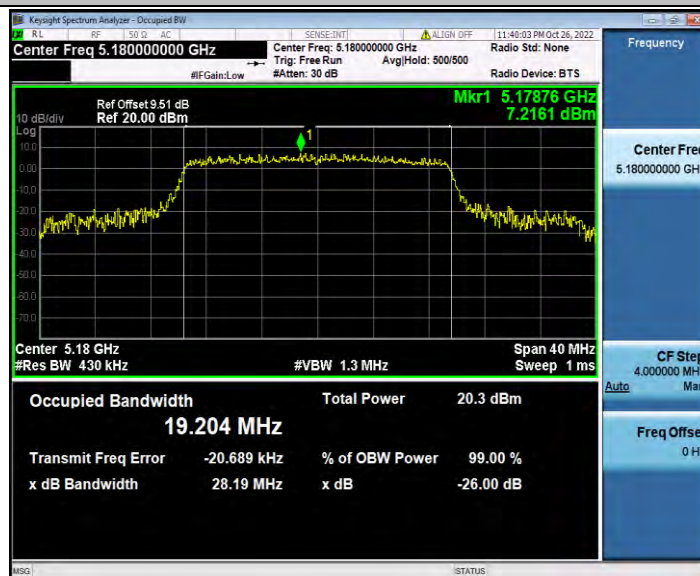
11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



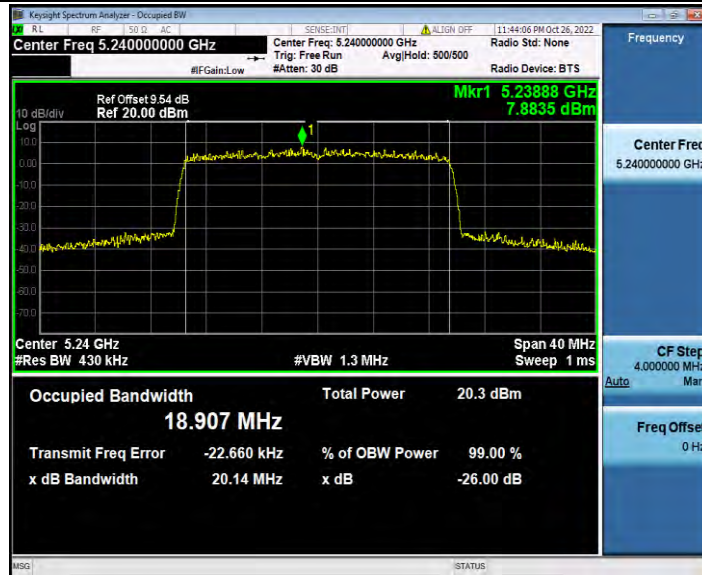
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



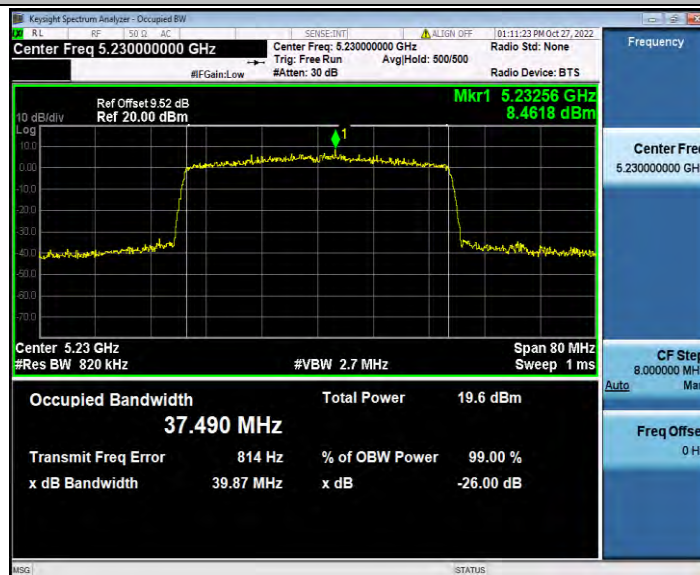
11AX20SISO_Ant1_5240



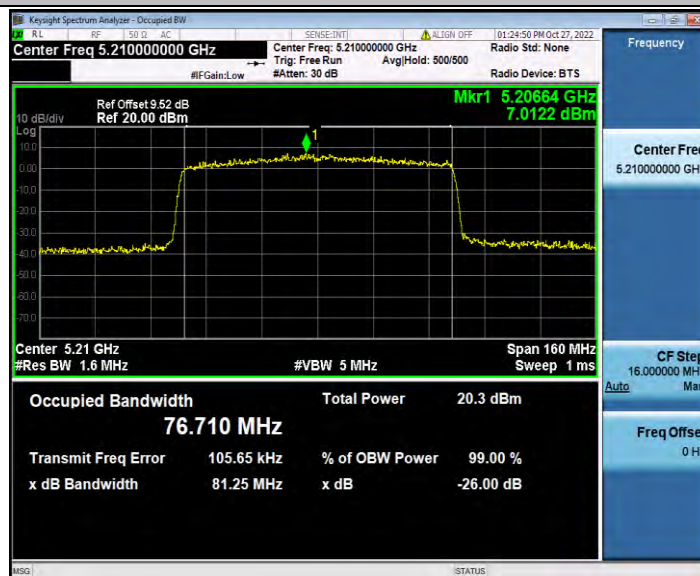
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



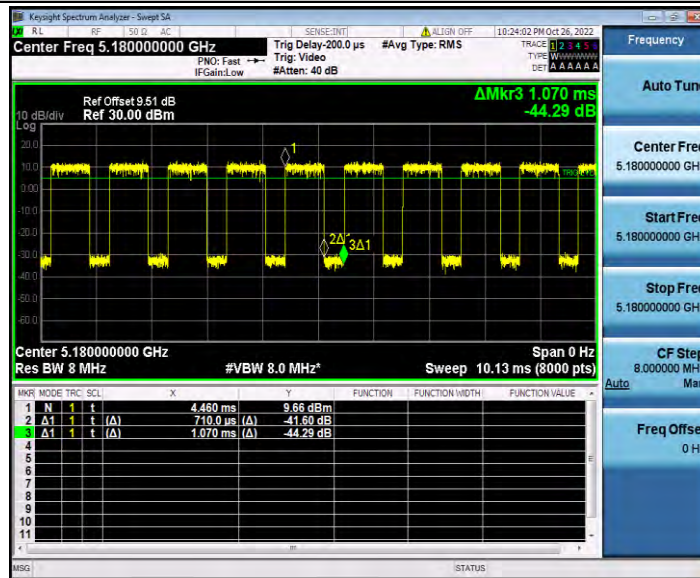
Appendix D.3: Duty Cycle

Test Result

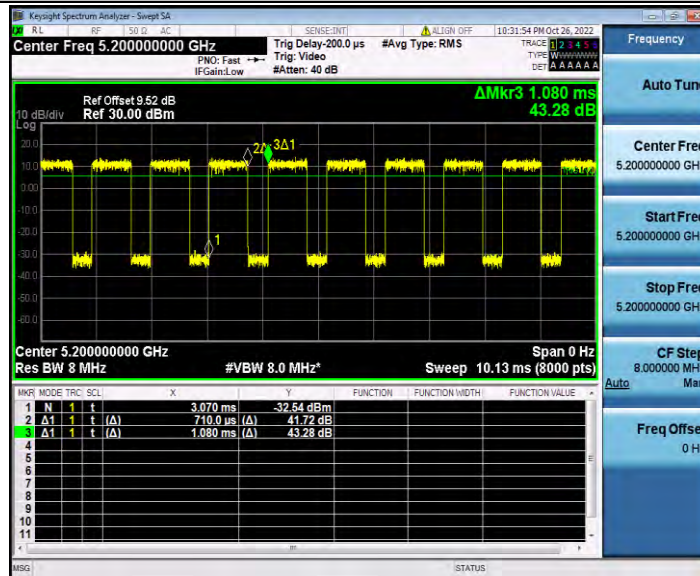
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.71	1.07	66.36
		5200	0.71	1.08	65.74
		5240	0.70	1.06	66.04
11N20SISO	Ant1	5180	0.67	1.04	64.42
		5200	0.67	1.04	64.42
		5240	0.68	1.04	65.38
11N40SISO	Ant1	5190	0.35	0.71	49.30
		5230	0.35	0.71	49.30
11AC20SISO	Ant1	5180	0.37	0.73	50.68
		5200	0.37	0.74	50.00
		5240	0.37	0.74	50.00
11AC40SISO	Ant1	5190	0.20	0.55	36.36
		5230	0.20	0.57	35.09
11AC80SISO	Ant1	5210	0.19	0.58	32.76
11AX20SISO	Ant1	5180	0.20	0.55	36.36
		5200	0.20	0.55	36.36
		5240	0.20	0.55	36.36
11AX40SISO	Ant1	5190	0.32	0.70	45.71
		5230	0.32	0.71	45.07
11AX80SISO	Ant1	5210	0.19	0.58	32.76

Test Graphs

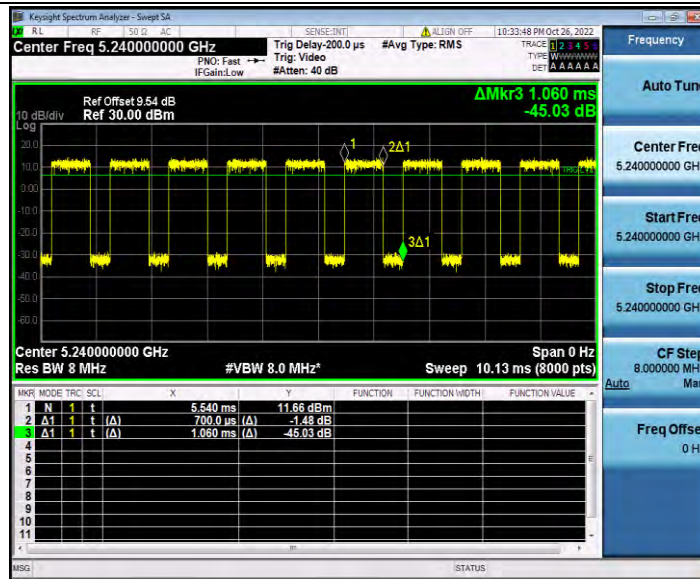
11A_Ant1_5180



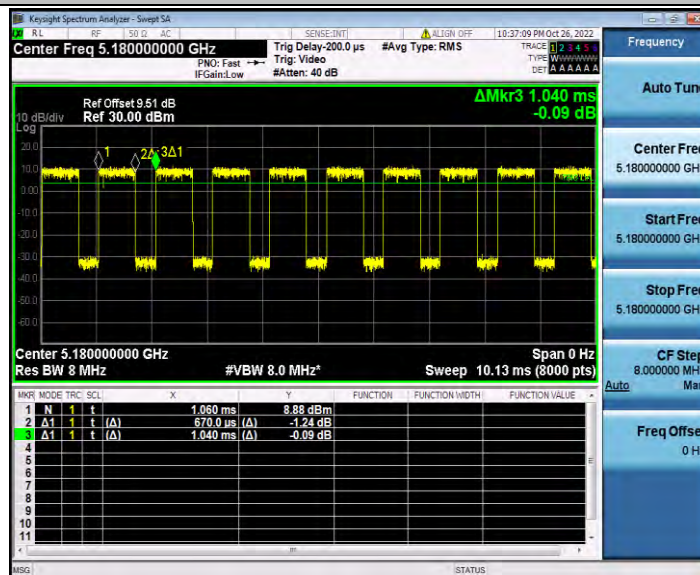
11A_Ant1_5200



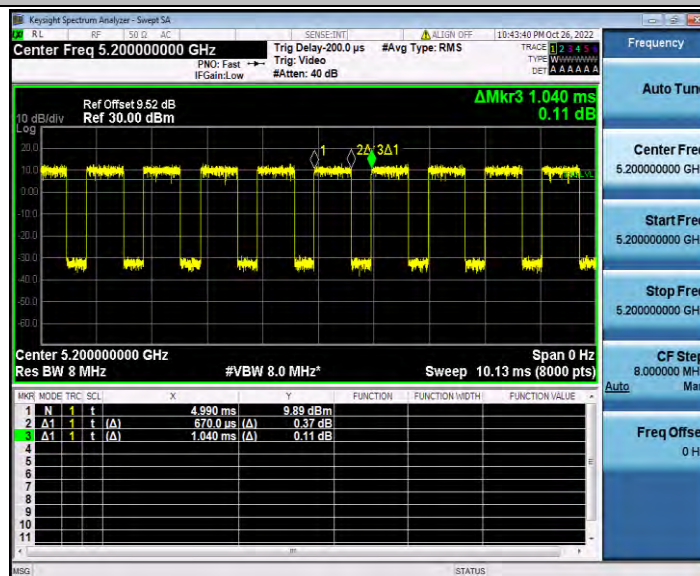
11A_Ant1_5240



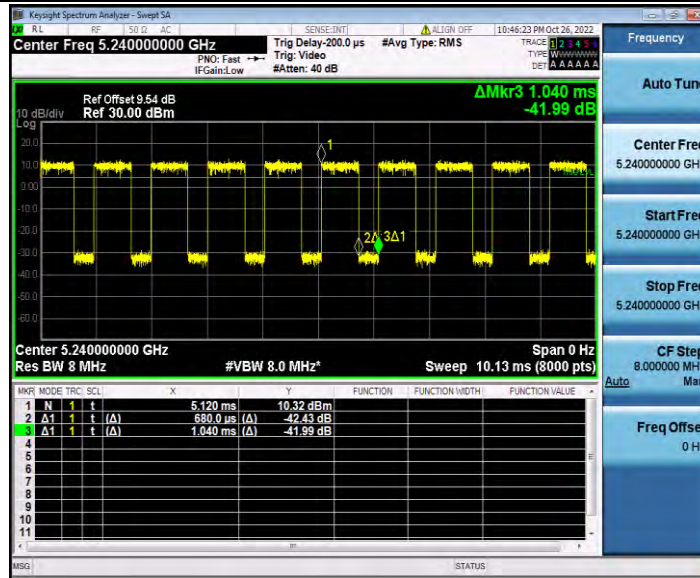
11N20SISO_Ant1_5180



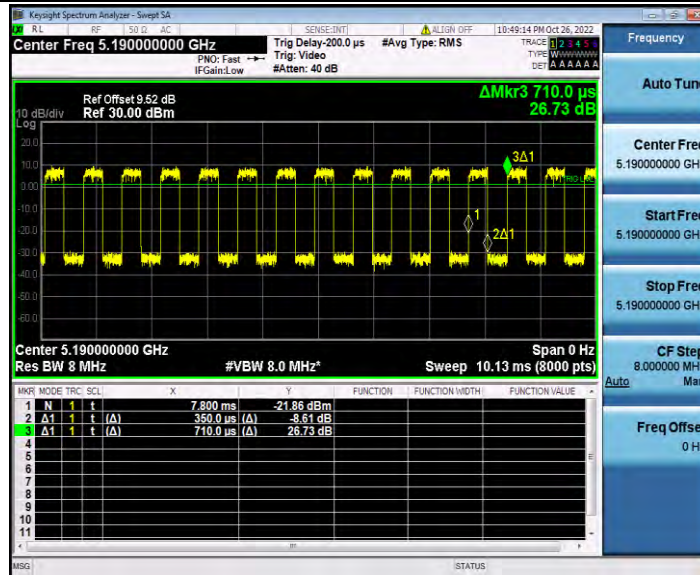
11N20SISO_Ant1_5200



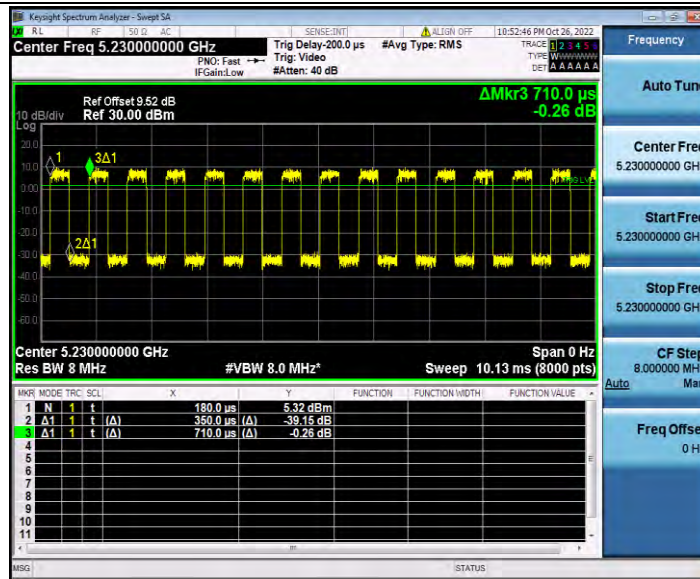
11N20SISO_Ant1_5240



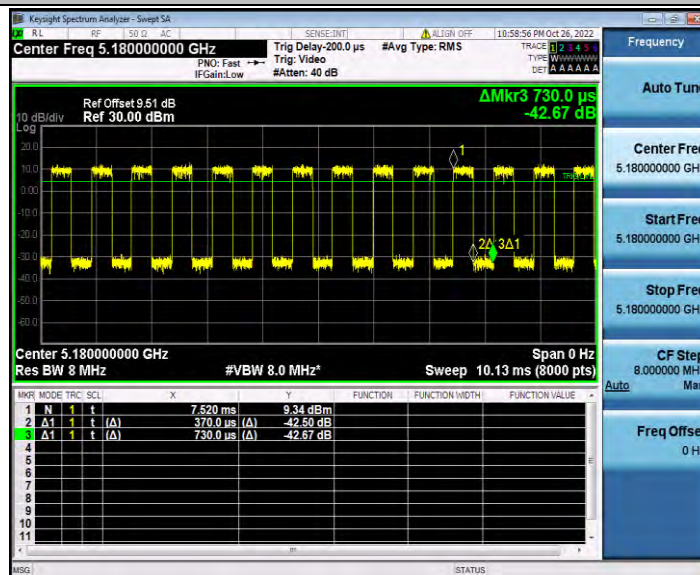
11N40SISO_Ant1_5190



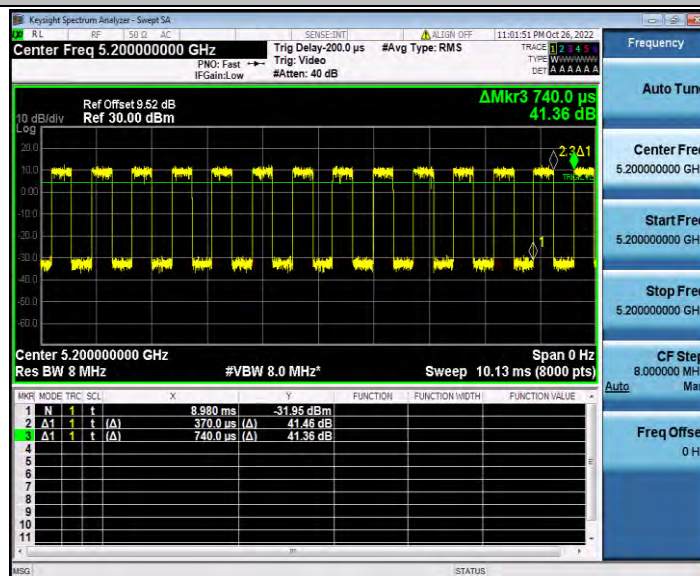
11N40SISO_Ant1_5230



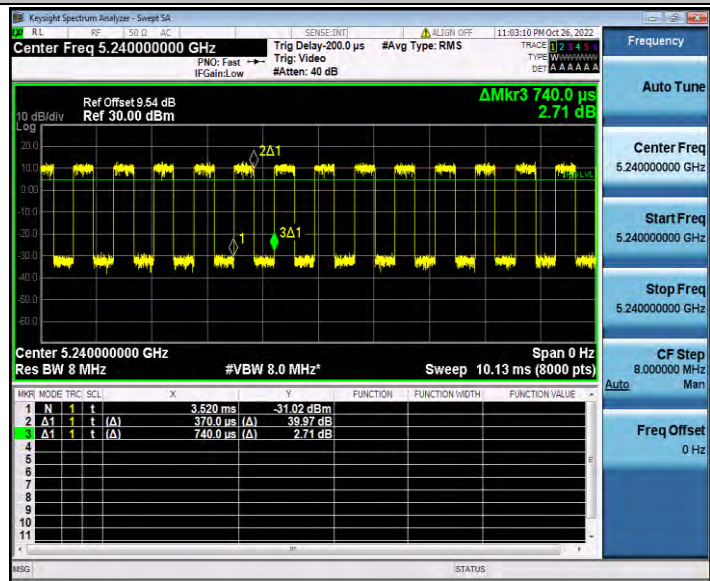
11AC20SISO_Ant1_5180



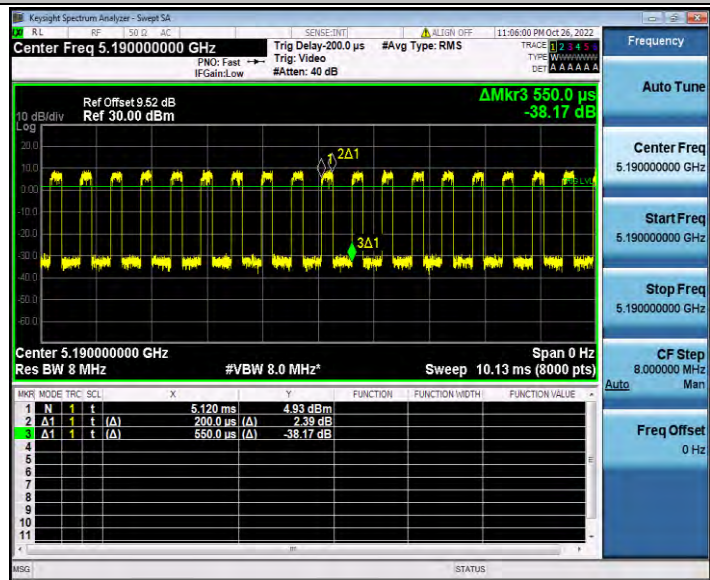
11AC20SISO_Ant1_5200



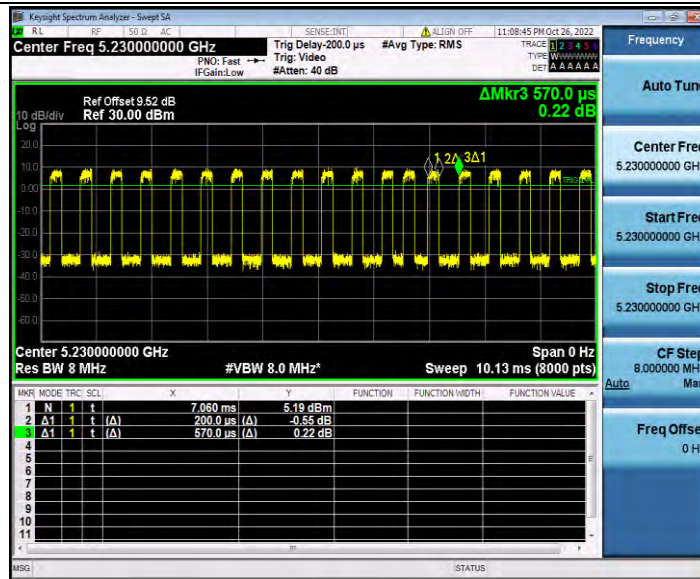
11AC20SISO_Ant1_5240



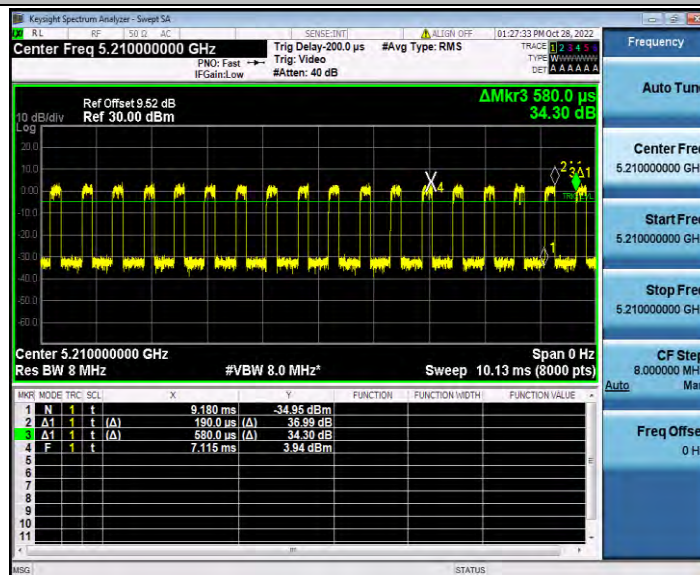
11AC40SISO_Ant1_5190



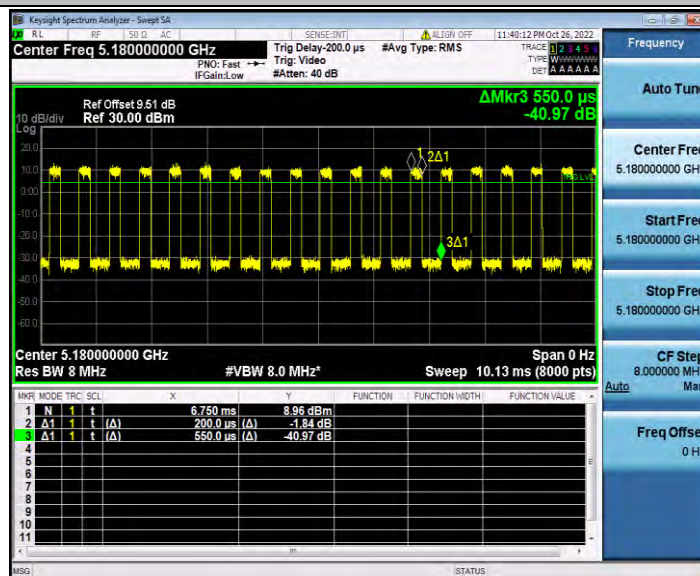
11AC40SISO_Ant1_5230



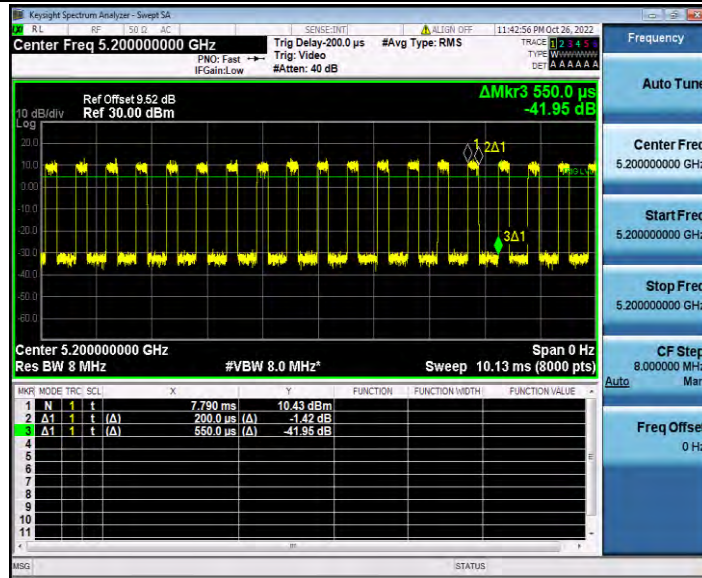
11AC80SISO_Ant1_5210



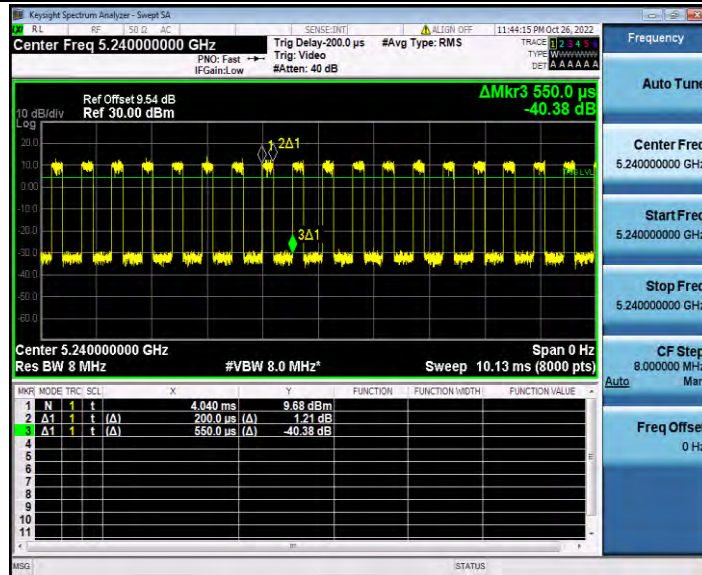
11AX20SISO_Ant1_5180



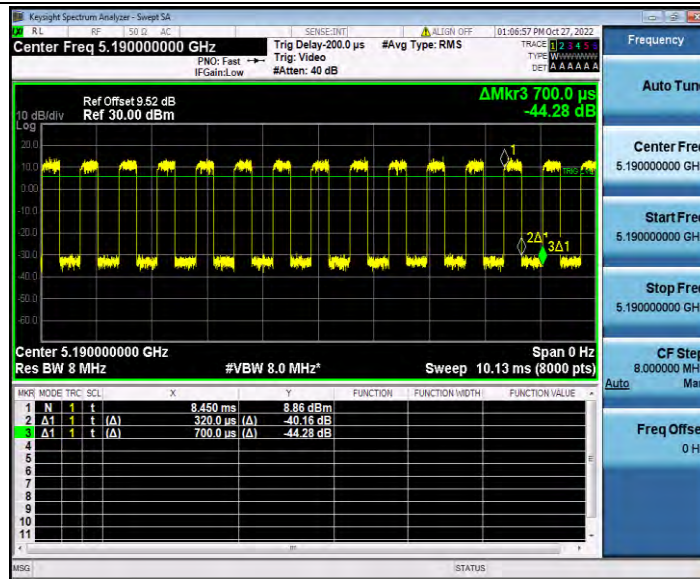
11AX20SISO_Ant1_5200



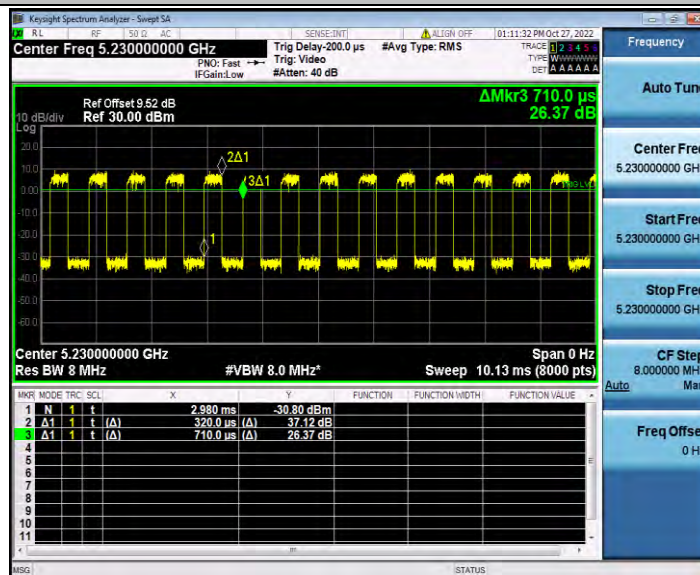
11AX20SISO_Ant1_5240



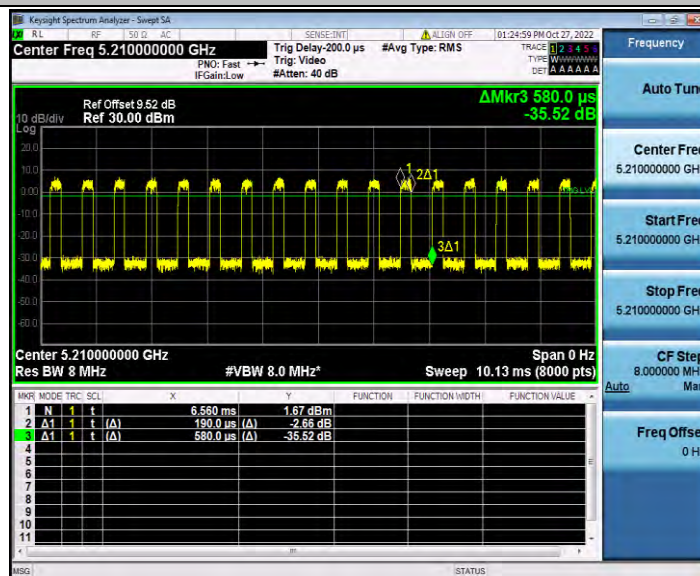
11AX40SISO_Ant1_5190



11AX40ISO_Ant1_5230



11AX80ISO_Ant1_5210



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.22	66.36	1.78	13.00	≤23.98	PASS
		5200	12.38	65.74	1.82	14.20	≤23.98	PASS
		5240	12.75	66.04	1.80	14.55	≤23.98	PASS
11N20SISO	Ant1	5180	10.29	64.42	1.91	12.20	≤23.98	PASS
		5200	12.12	64.42	1.91	14.03	≤23.98	PASS
		5240	10.98	65.38	1.85	12.83	≤23.98	PASS
11N40SISO	Ant1	5190	9.25	49.30	3.07	12.32	≤23.98	PASS
		5230	9.11	49.30	3.07	12.18	≤23.98	PASS
11AC20SISO	Ant1	5180	10.02	50.68	2.95	12.97	≤23.98	PASS
		5200	9.96	50.00	3.01	12.97	≤23.98	PASS
		5240	10.35	50.00	3.01	13.36	≤23.98	PASS
11AC40SISO	Ant1	5190	7.91	36.36	4.39	12.30	≤23.98	PASS
		5230	8.04	35.09	4.55	12.59	≤23.98	PASS
11AC80SISO	Ant1	5210	4.75	32.76	4.85	9.60	≤23.98	PASS
11AX20SISO	Ant1	5180	8.56	36.36	4.39	12.95	≤23.98	PASS
		5200	8.71	36.36	4.39	13.10	≤23.98	PASS
		5240	8.52	36.36	4.39	12.91	≤23.98	PASS
11AX40SISO	Ant1	5190	12.80	45.71	3.40	16.20	≤23.98	PASS
		5230	7.81	45.07	3.46	11.27	≤23.98	PASS
11AX80SISO	Ant1	5210	5.18	32.76	4.85	10.03	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	4.49	≤11.00	PASS
		5200	4.92	≤11.00	PASS
		5240	5.44	≤11.00	PASS
11N20SISO	Ant1	5180	3.49	≤11.00	PASS
		5200	3.71	≤11.00	PASS
		5240	4.55	≤11.00	PASS
11N40SISO	Ant1	5190	1.47	≤11.00	PASS
		5230	2.38	≤11.00	PASS
11AC20SISO	Ant1	5180	4.3	≤11.00	PASS
		5200	5.67	≤11.00	PASS
		5240	5	≤11.00	PASS
11AC40SISO	Ant1	5190	3.17	≤11.00	PASS
		5230	3.47	≤11.00	PASS
11AC80SISO	Ant1	5210	3.3	≤11.00	PASS
11AX20SISO	Ant1	5180	5.27	≤11.00	PASS
		5200	5.18	≤11.00	PASS
		5240	5.25	≤11.00	PASS
11AX40SISO	Ant1	5190	2.5	≤11.00	PASS
		5230	3.7	≤11.00	PASS
11AX80SISO	Ant1	5210	1.13	≤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_Ant1_5180



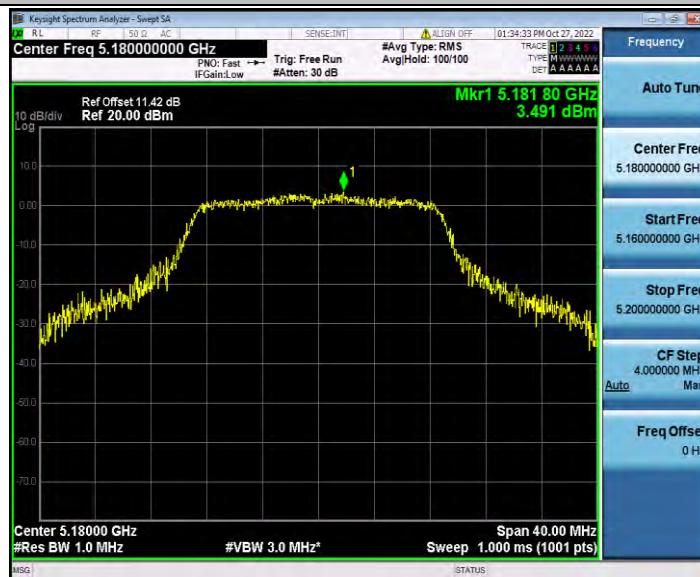
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



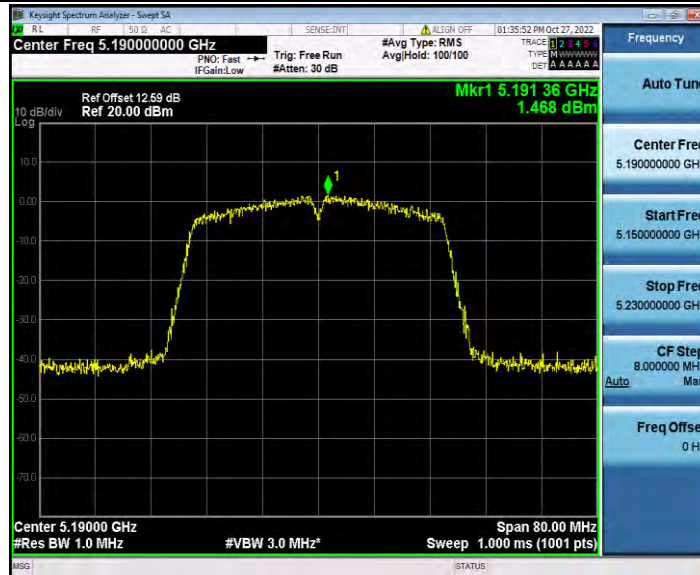
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



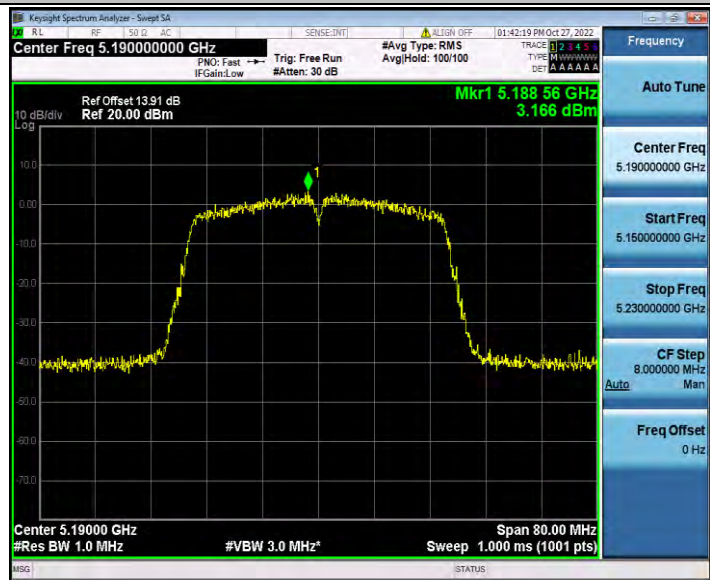
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



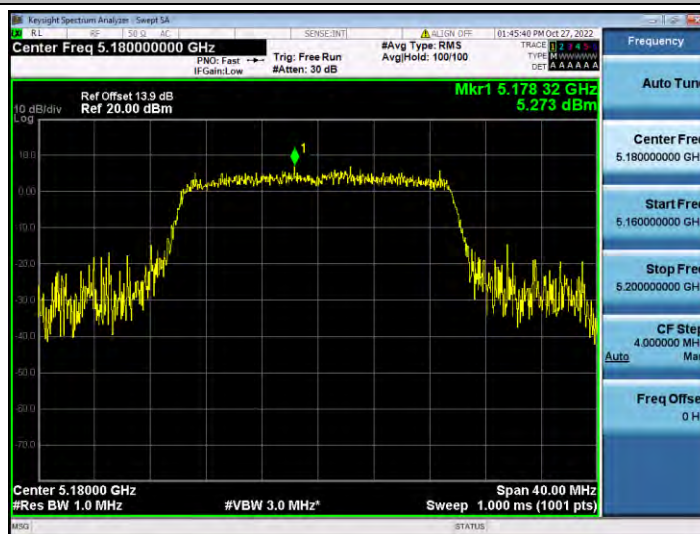
11AC40SISO_Ant1_5230



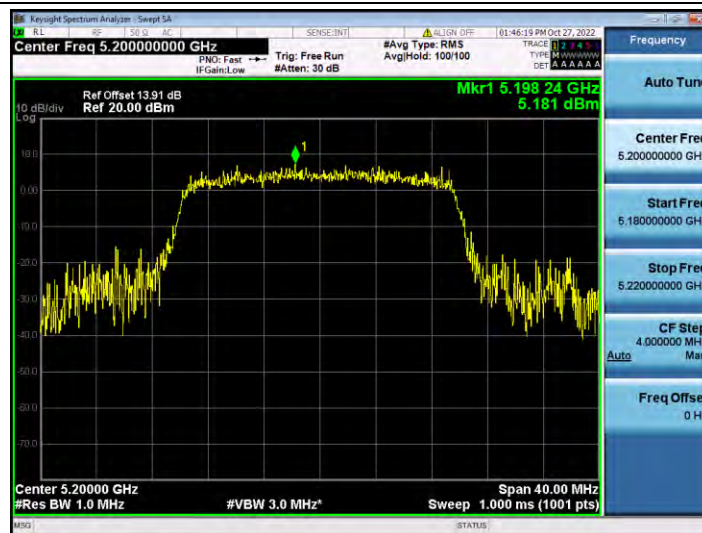
11AC80SISO_Ant1_5210



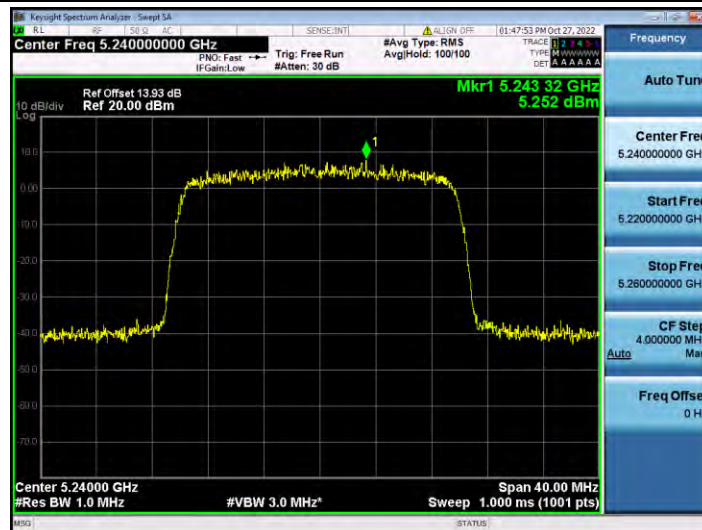
11AX20SISO_Ant1_5180



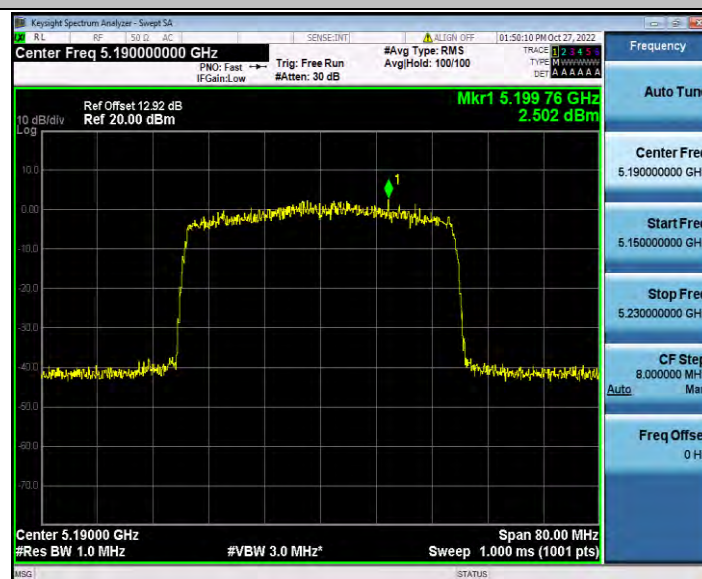
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

