

Case No. : <u>GTS20250923006-1-04</u>
Ambient Condition: <u>22</u> °C, <u>48</u> %RH
According Standard: ■Part15E
Test Date: <u>2025.10.14-2025.11.18</u> Test Engineer: <u>Evan ouyang</u>

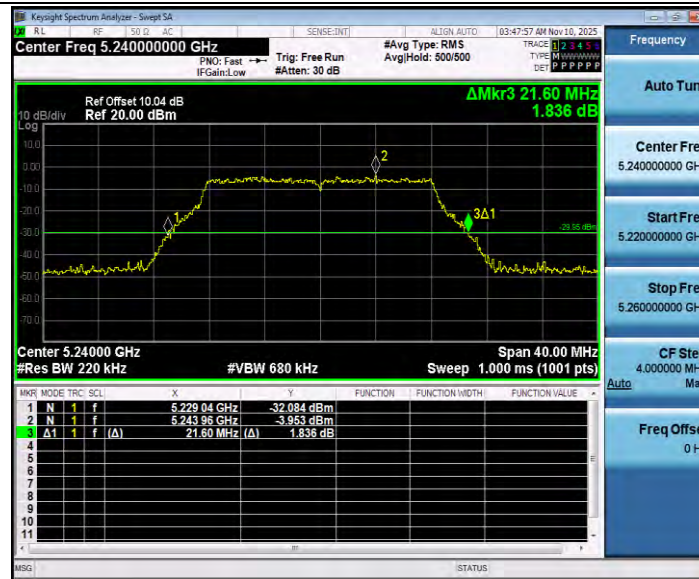
AppendixD.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.800	5169.080	5190.880	---	---
		5200	21.680	5189.200	5210.880	---	---
		5240	21.600	5229.040	5250.640	---	---
11N20SISO	Ant1	5180	21.840	5168.880	5190.720	---	---
		5200	21.960	5189.040	5211.000	---	---
		5240	21.880	5229.120	5251.000	---	---
11N40SISO	Ant1	5190	40.720	5169.760	5210.480	---	---
		5230	40.960	5209.520	5250.480	---	---
11AC20SISO	Ant1	5180	21.880	5169.040	5190.920	---	---
		5200	21.880	5188.920	5210.800	---	---
		5240	21.800	5229.040	5250.840	---	---
11AC40SISO	Ant1	5190	41.120	5169.440	5210.560	---	---
		5230	41.040	5209.520	5250.560	---	---
11AC80SISO	Ant1	5210	80.480	5169.840	5250.320	---	---
11AX20SISO	Ant1	5180	22.320	5168.800	5191.120	---	---
		5200	22.520	5188.680	5211.200	---	---
		5240	22.640	5228.600	5251.240	---	---
11AX40SISO	Ant1	5190	40.880	5169.520	5210.400	---	---
		5230	41.280	5209.280	5250.560	---	---
11AX80SISO	Ant1	5210	82.560	5168.880	5251.440	---	---

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



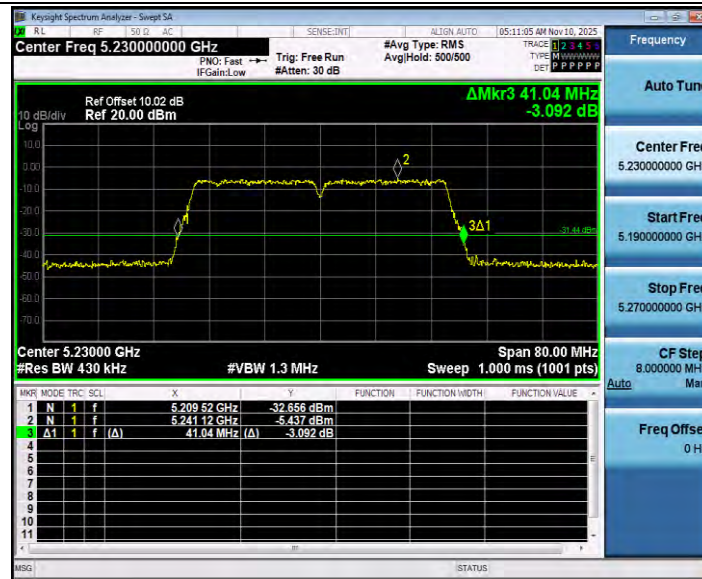
11AC20SISO_Ant1_5240



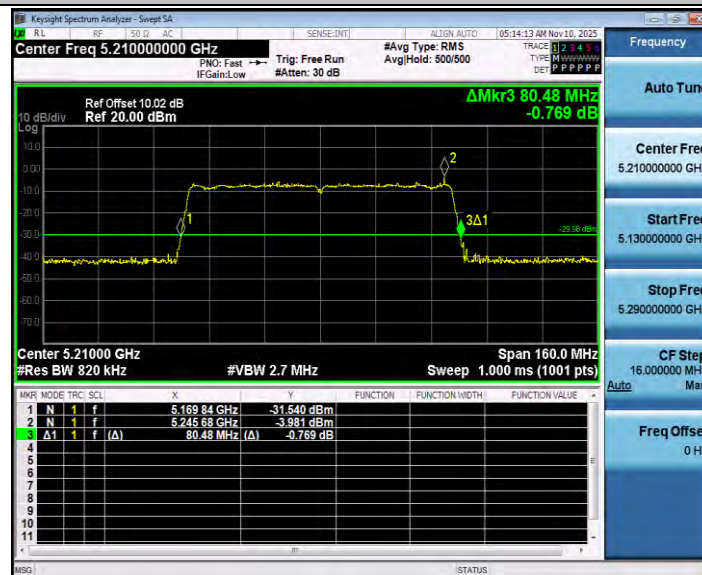
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



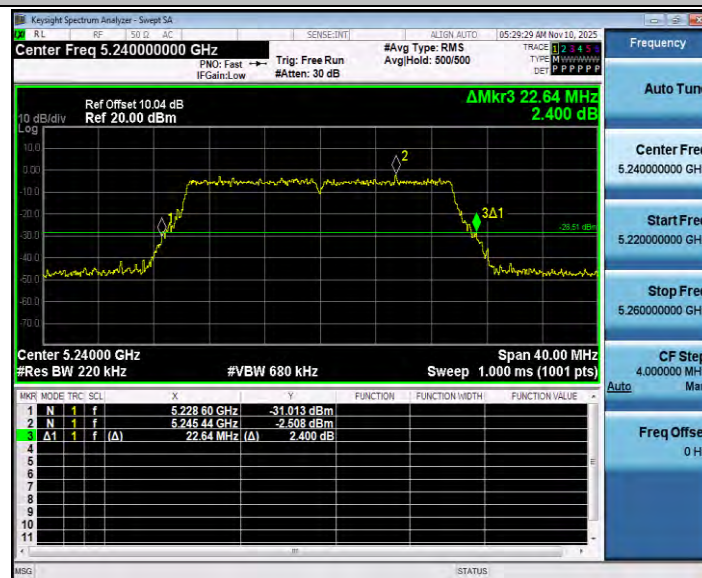
11AX20SISO_Ant1_5180



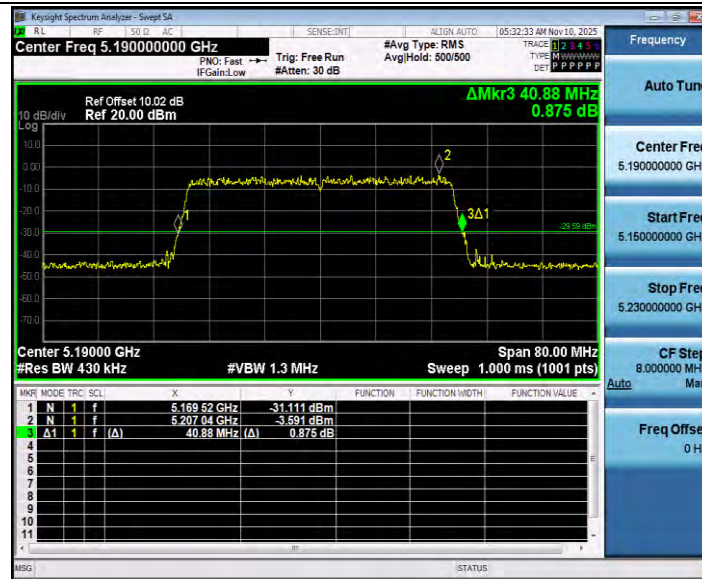
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



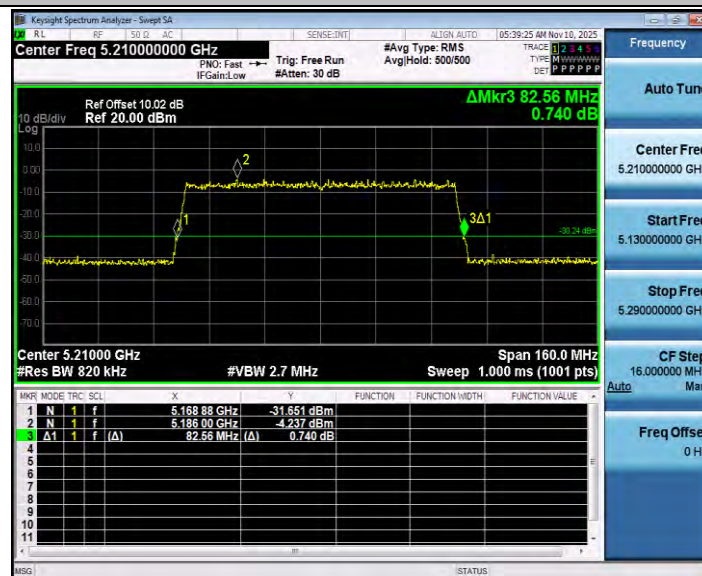
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



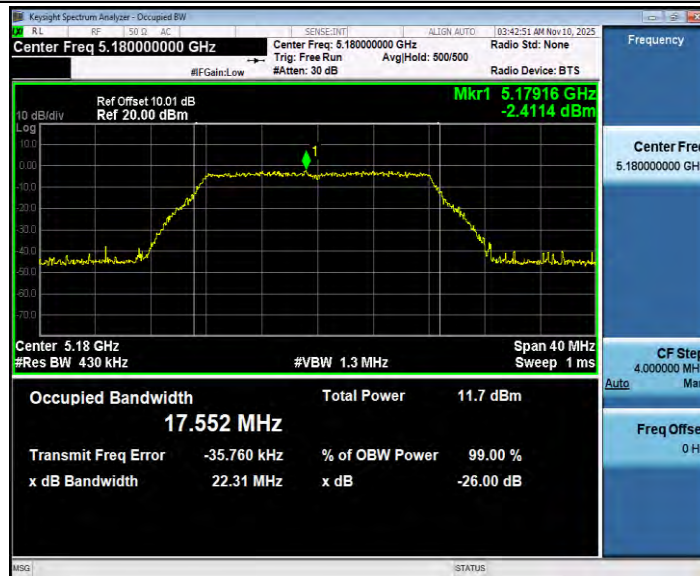
AppendixD.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.552	5171.1882	5188.7402	---	---
		5200	17.671	5191.1018	5208.7728	---	---
		5240	17.645	5231.1085	5248.7535	---	---
11N20SISO	Ant1	5180	18.483	5170.7191	5189.2021	---	---
		5200	18.442	5190.7450	5209.1870	---	---
		5240	18.500	5230.7108	5249.2108	---	---
11N40SISO	Ant1	5190	36.846	5171.6043	5208.4503	---	---
		5230	36.953	5211.4955	5248.4485	---	---
11AC20SISO	Ant1	5180	18.460	5170.7628	5189.2228	---	---
		5200	18.466	5190.7476	5209.2136	---	---
		5240	18.557	5230.6844	5249.2414	---	---
11AC40SISO	Ant1	5190	36.885	5171.5489	5208.4339	---	---
		5230	36.854	5211.5234	5248.3774	---	---
11AC80SISO	Ant1	5210	75.684	5172.1736	5247.8576	---	---
11AX20SISO	Ant1	5180	19.313	5170.3246	5189.6376	---	---
		5200	19.318	5190.3139	5209.6319	---	---
		5240	19.326	5230.2978	5249.6238	---	---
11AX40SISO	Ant1	5190	37.993	5171.0186	5209.0116	---	---
		5230	38.148	5210.8745	5249.0225	---	---
11AX80SISO	Ant1	5210	77.784	5171.1297	5248.9137	---	---

Test Graphs

11A_Ant1_5180



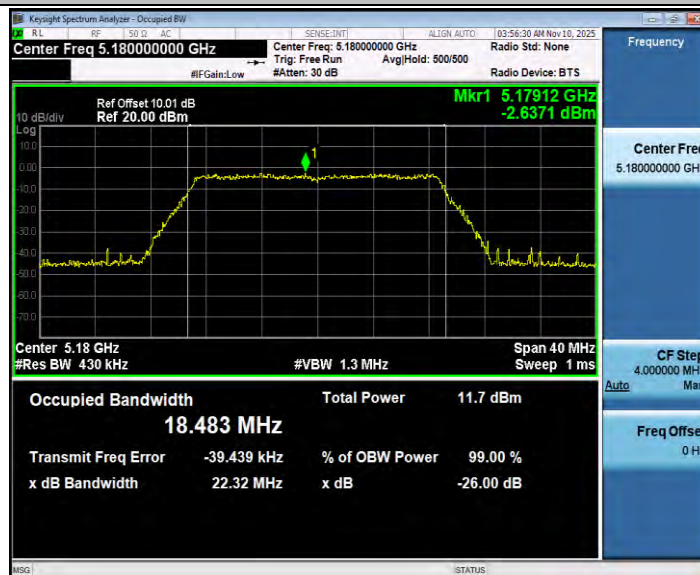
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



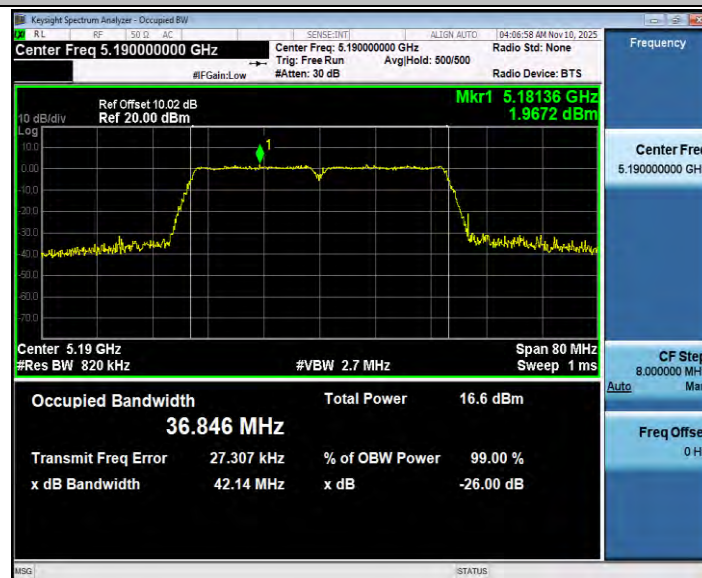
11N20SISO_Ant1_5200



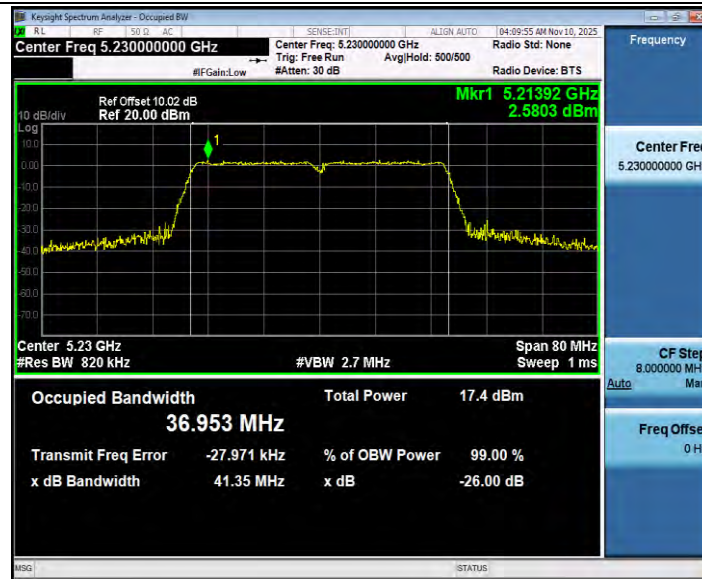
11N20SISO_Ant1_5240



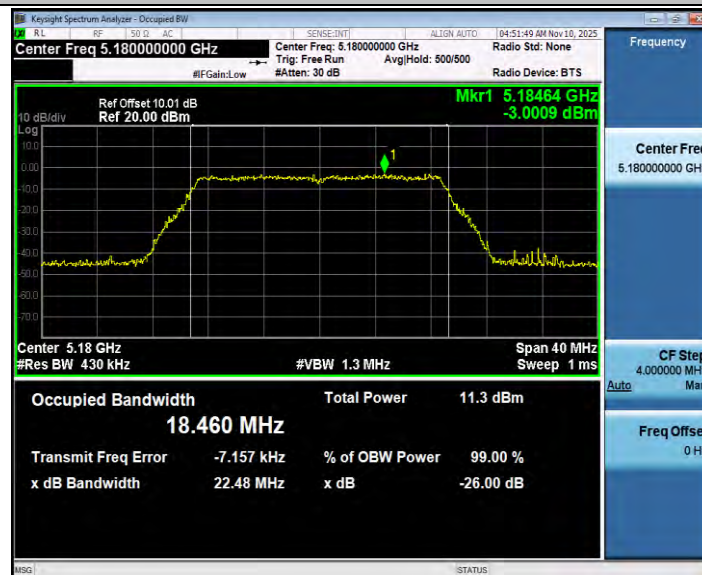
11N40SISO_Ant1_5190



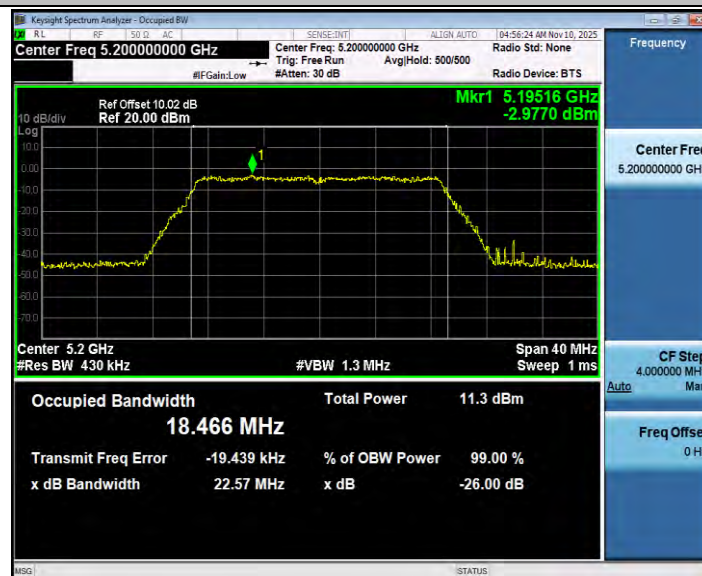
11N40SISO_Ant1_5230



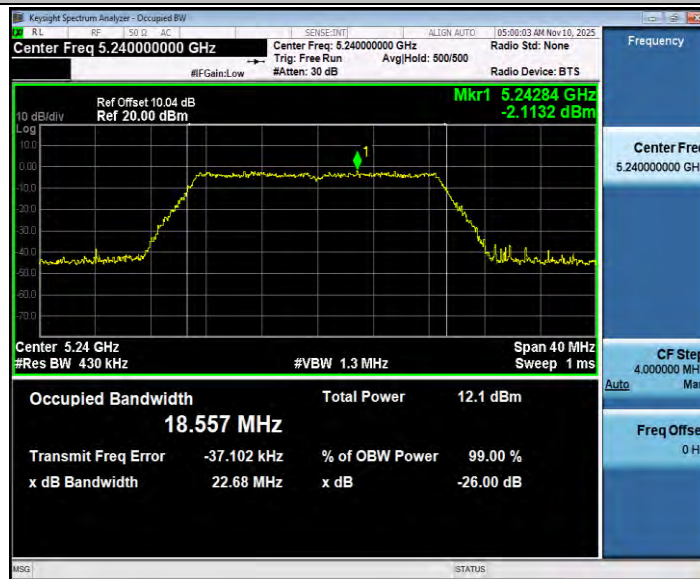
11AC20SISO_Ant1_5180



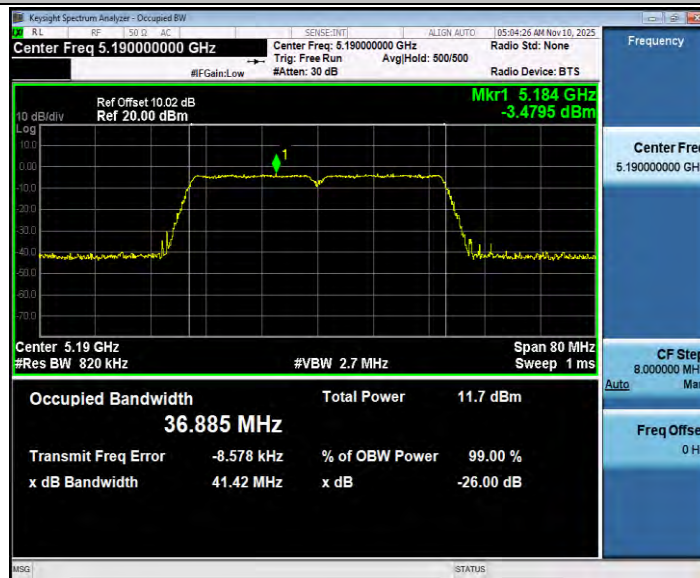
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



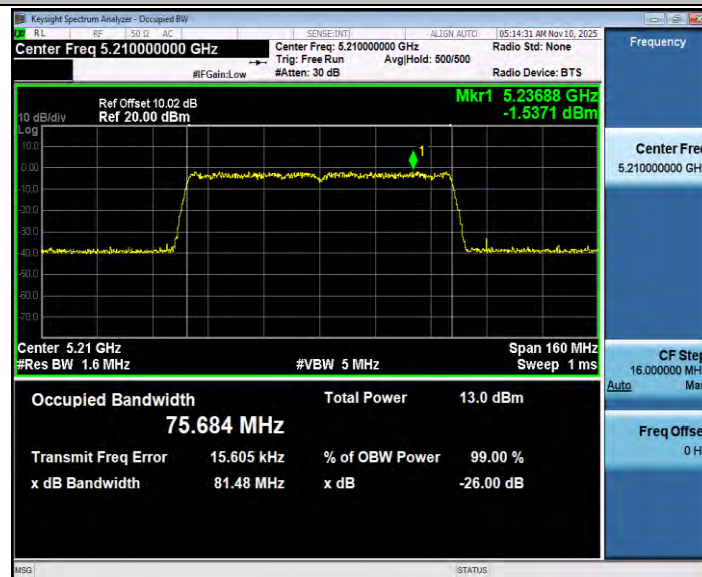
11AC40SISO_Ant1_5190



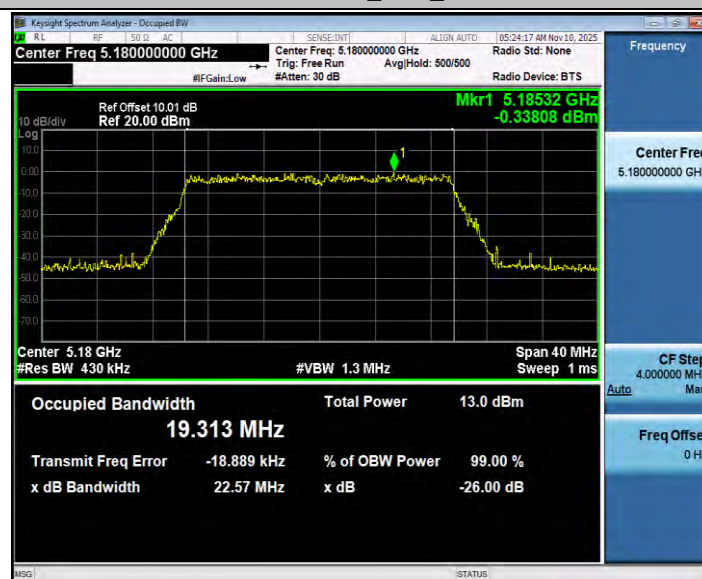
11AC40SISO_Ant1_5230



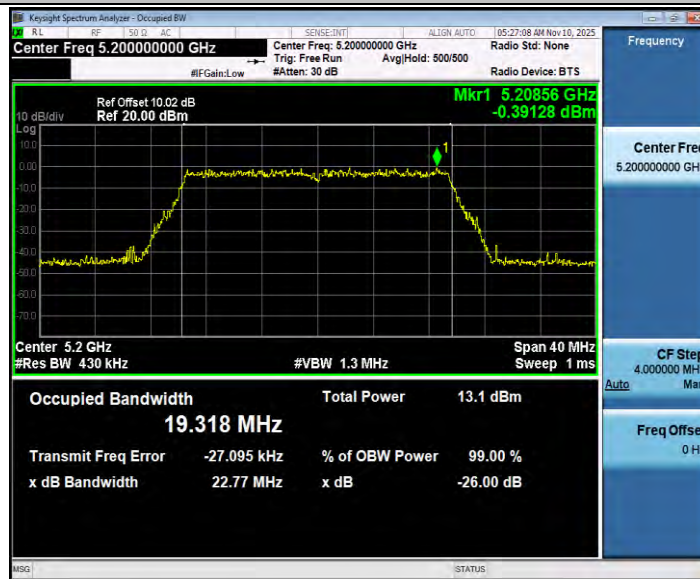
11AC80SISO_Ant1_5210



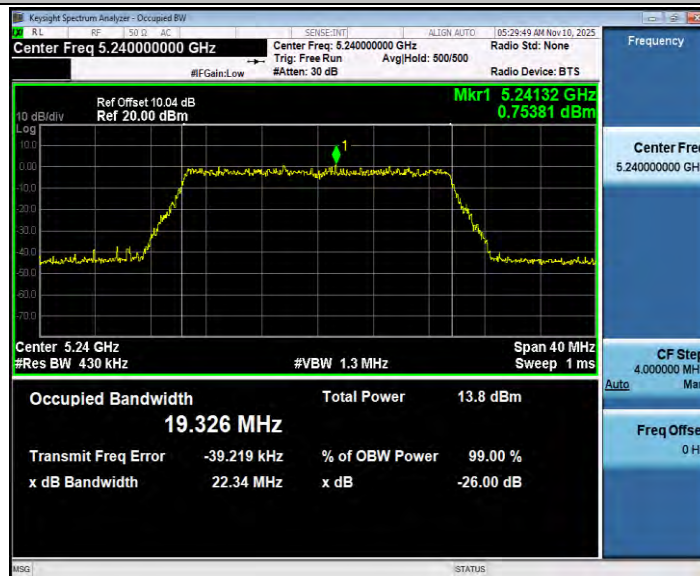
11AX20SISO_Ant1_5180



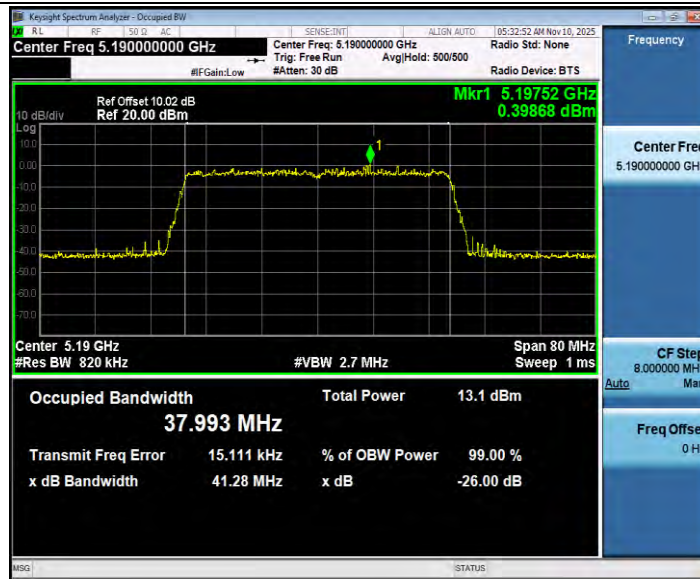
11AX20SISO_Ant1_5200



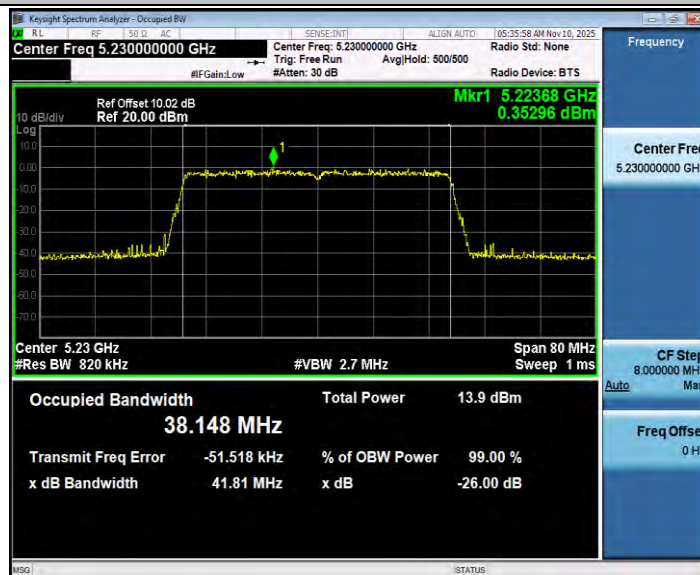
11AX20SISO_Ant1_5240



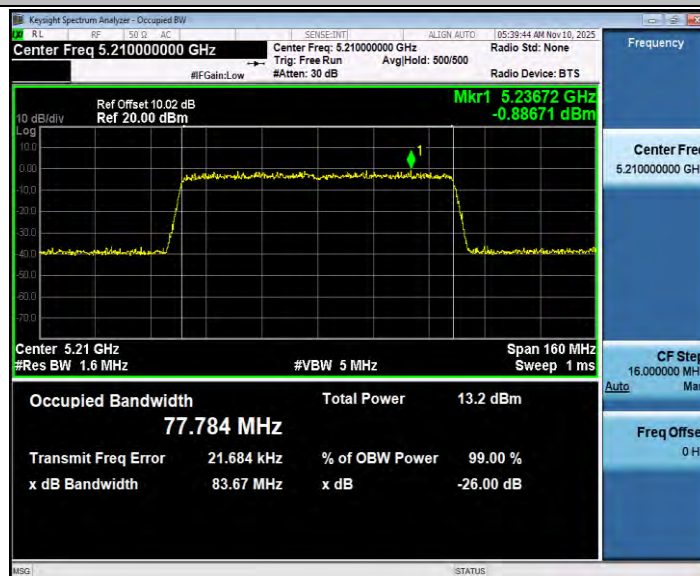
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

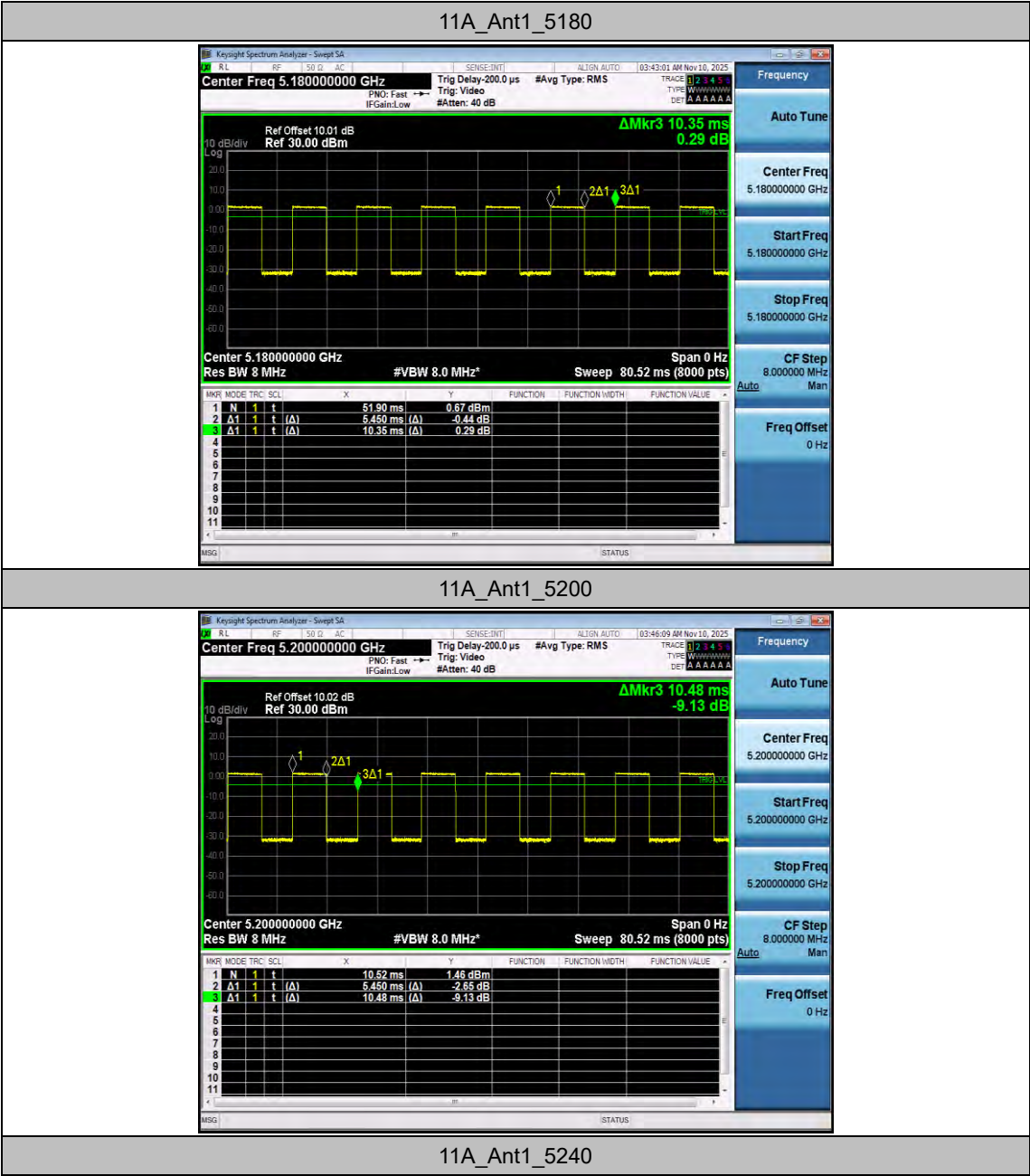


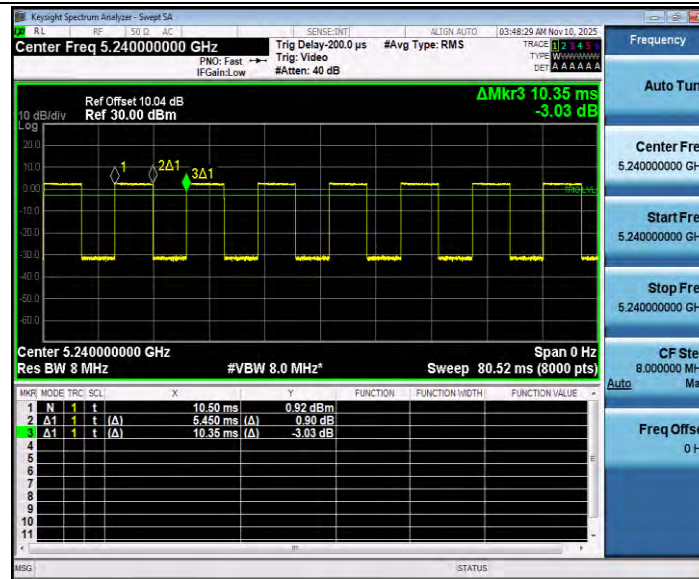
AppendixD.3: Duty Cycle

Test Result

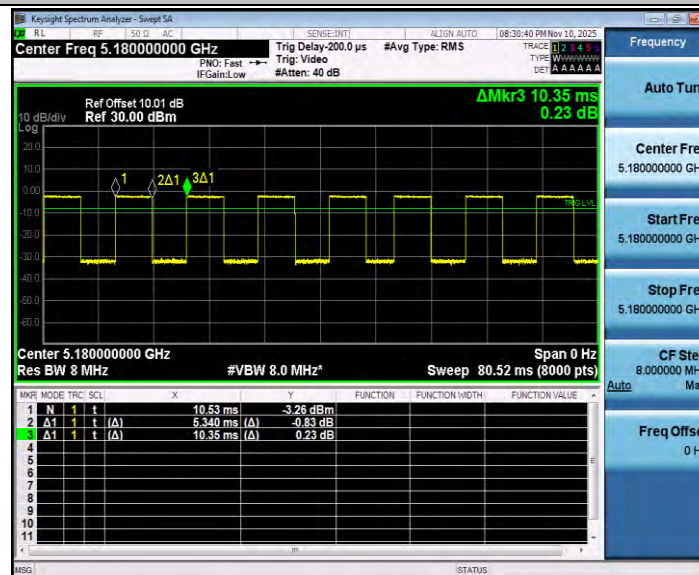
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	5.45	10.35	52.66	2.79	0.18
		5200	5.45	10.48	52.00	2.84	0.18
		5240	5.45	10.35	52.66	2.79	0.18
11N20SISO	Ant1	5180	5.34	10.35	51.59	2.87	0.19
		5200	5.34	12.52	42.65	3.70	0.19
		5240	5.33	10.59	50.33	2.98	0.19
11N40SISO	Ant1	5190	3.01	6.42	46.88	3.29	0.33
		5230	3.00	6.86	43.73	3.59	0.33
11AC20SISO	Ant1	5180	5.35	10.35	51.69	2.87	0.19
		5200	5.34	10.34	51.64	2.87	0.19
		5240	5.34	10.36	51.54	2.88	0.19
11AC40SISO	Ant1	5190	5.14	10.34	49.71	3.04	0.19
		5230	5.14	10.53	48.81	3.11	0.19
11AC80SISO	Ant1	5210	4.74	10.35	45.80	3.39	0.21
11AX20SISO	Ant1	5180	4.62	10.85	42.58	3.71	0.22
		5200	4.62	10.35	44.64	3.50	0.22
		5240	4.62	10.35	44.64	3.50	0.22
11AX40SISO	Ant1	5190	4.62	10.34	44.68	3.50	0.22
		5230	4.62	10.34	44.68	3.50	0.22
11AX80SISO	Ant1	5210	4.41	10.35	42.61	3.70	0.23

Test Graphs





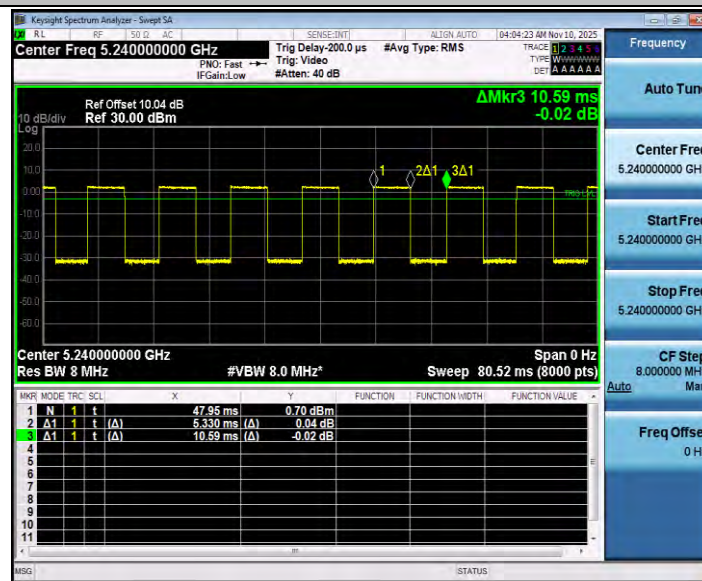
11N20SISO_Ant1_5180



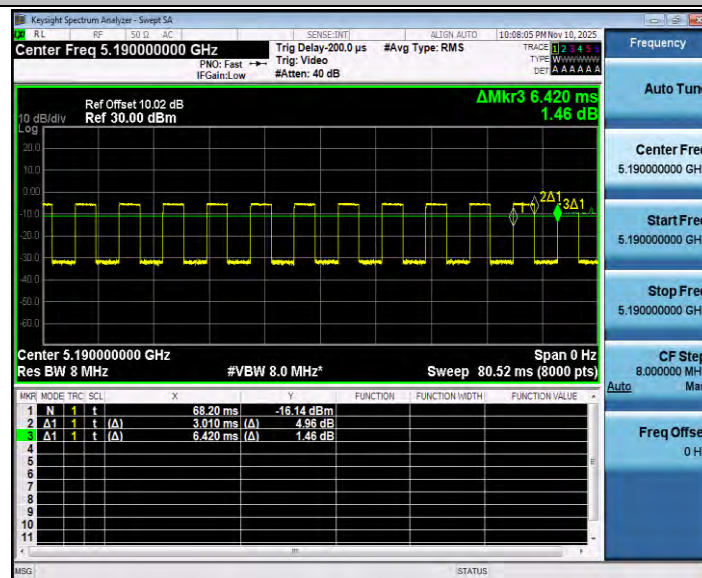
11N20SISO_Ant1_5200



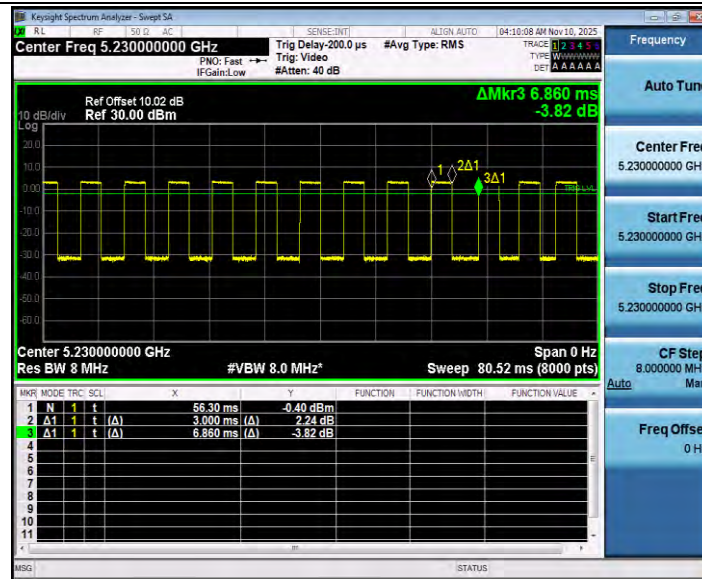
11N20SISO_Ant1_5240



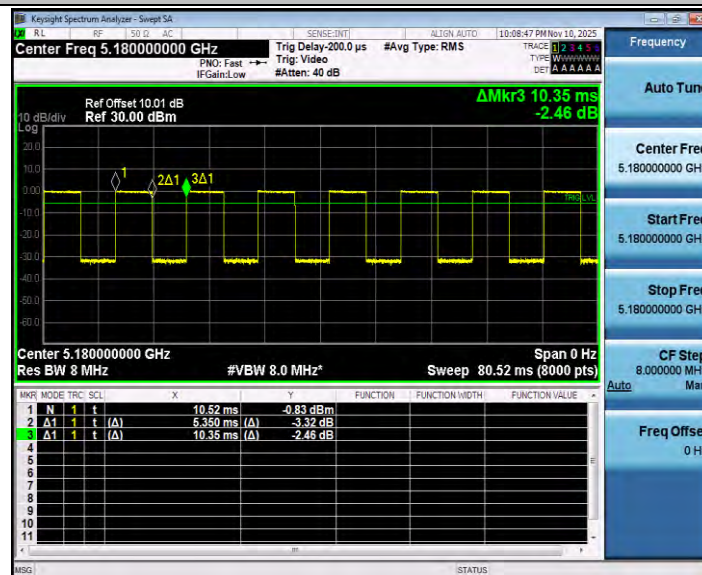
11N40SISO_Ant1_5190



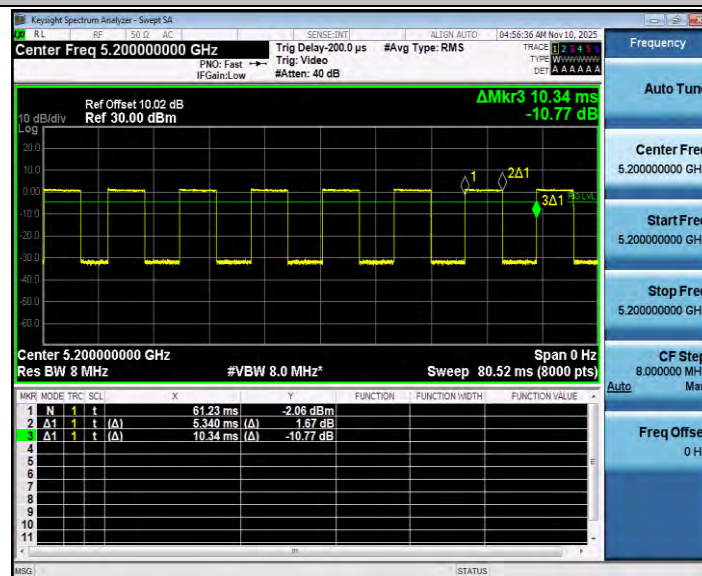
11N40SISO_Ant1_5230



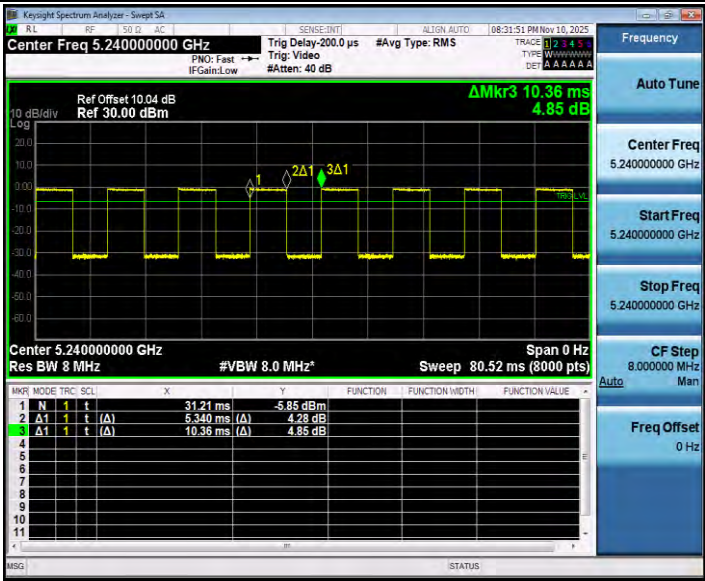
11AC20SISO_Ant1_5180



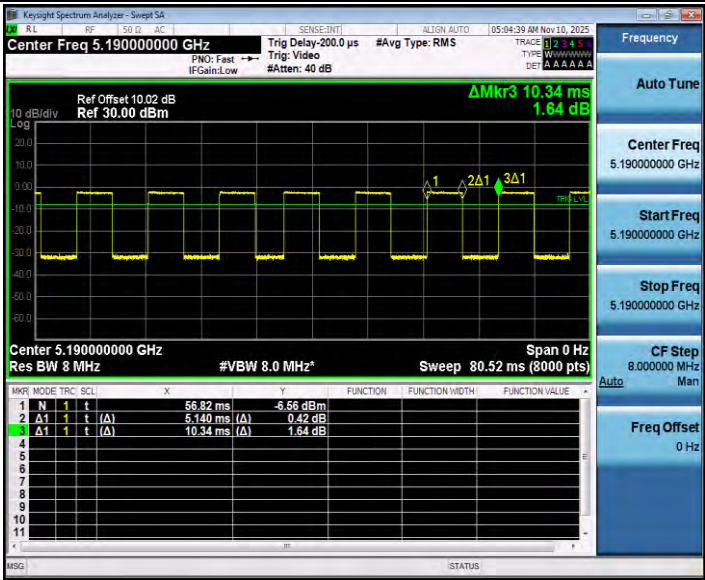
11AC20SISO_Ant1_5200



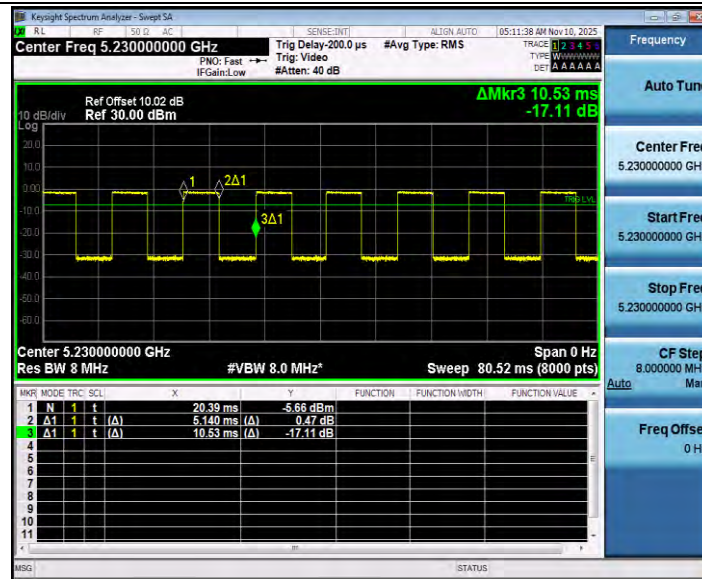
11AC20SISO_Ant1_5240



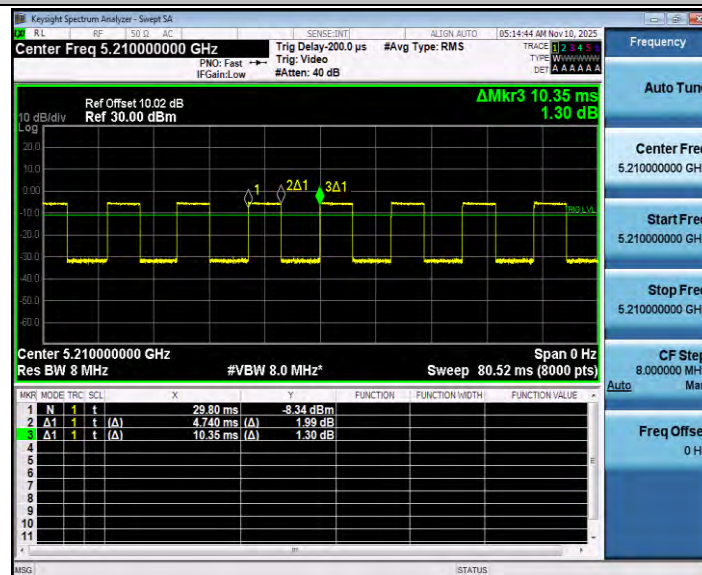
11AC40SISO_Ant1_5190



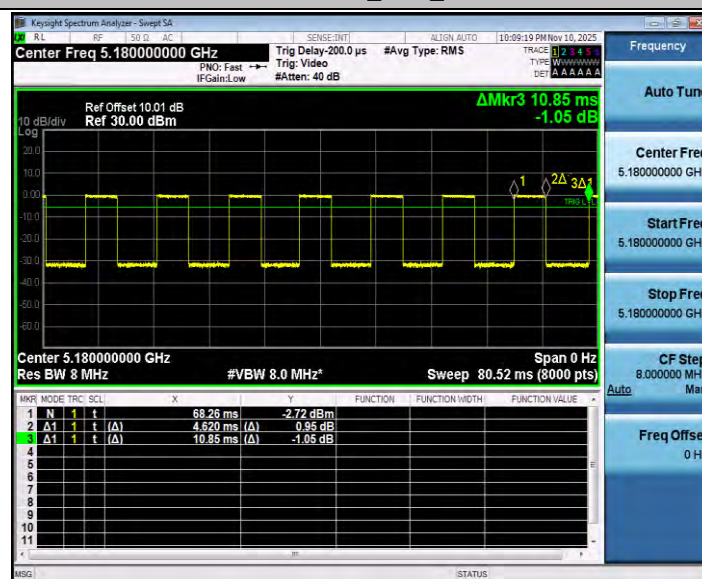
11AC40SISO_Ant1_5230



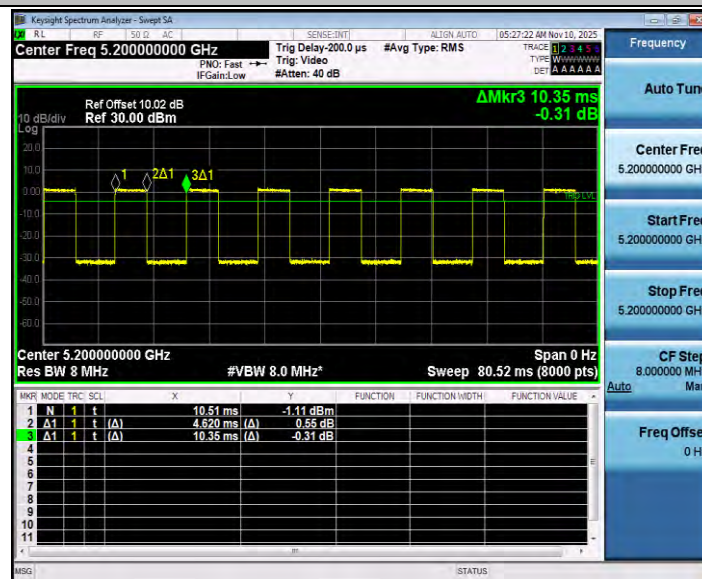
11AC80SISO_Ant1_5210



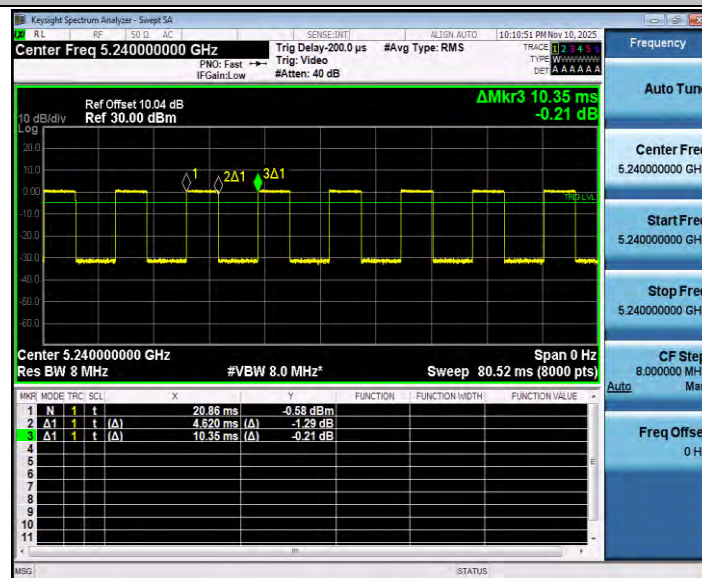
11AX20SISO_Ant1_5180



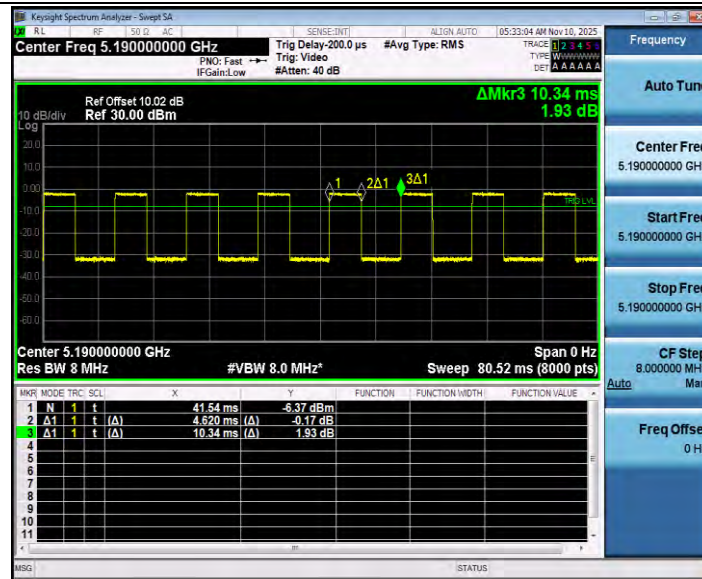
11AX20SISO_Ant1_5200



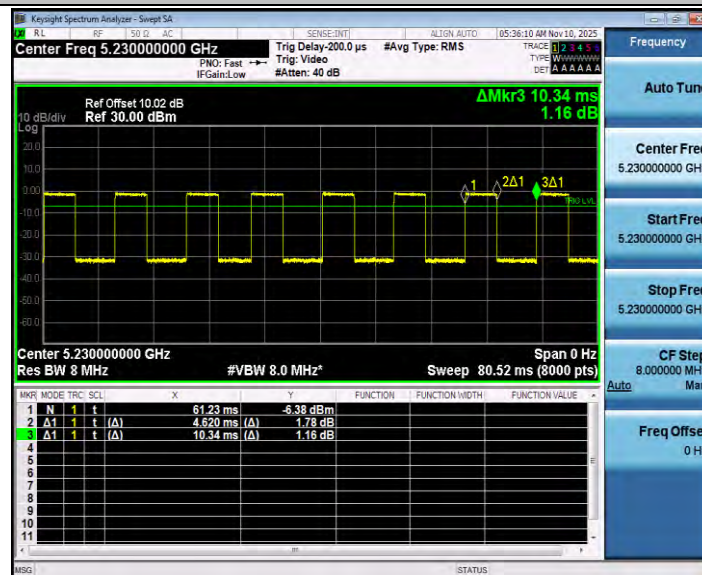
11AX20SISO_Ant1_5240



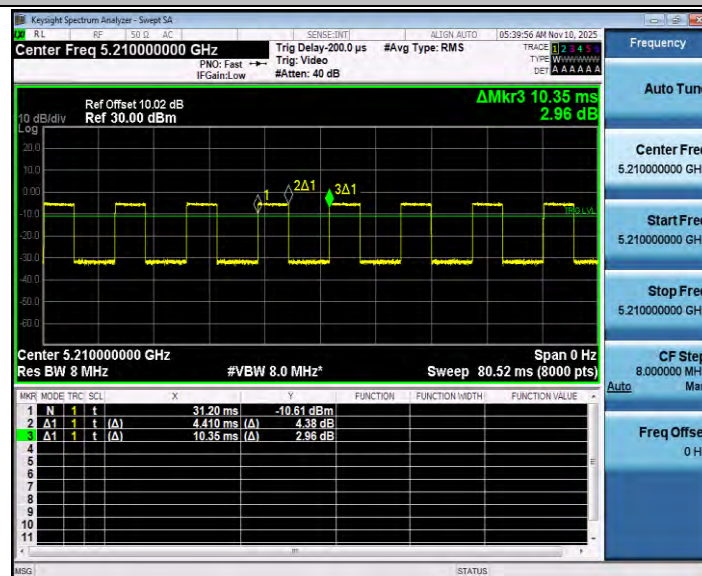
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



AppendixD.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	2.58	52.66	2.79	5.37	≤23.98	PASS
		5200	2.04	52.00	2.84	4.88	≤23.98	PASS
		5240	3.03	52.66	2.79	5.82	≤23.98	PASS
11N20SISO	Ant1	5180	2.25	51.59	2.87	5.12	≤23.98	PASS
		5200	1.59	42.65	3.70	5.29	≤23.98	PASS
		5240	3.49	50.33	2.98	6.47	≤23.98	PASS
11N40SISO	Ant1	5190	3.60	46.88	3.29	6.89	≤23.98	PASS
		5230	2.37	43.73	3.59	5.96	≤23.98	PASS
11AC20SISO	Ant1	5180	3.01	51.69	2.87	5.88	≤23.98	PASS
		5200	2.19	51.64	2.87	5.06	≤23.98	PASS
		5240	3.70	51.54	2.88	6.58	≤23.98	PASS
11AC40SISO	Ant1	5190	1.40	49.71	3.04	4.44	≤23.98	PASS
		5230	2.65	48.81	3.11	5.76	≤23.98	PASS
11AC80SISO	Ant1	5210	1.29	45.80	3.39	4.68	≤23.98	PASS
11AX20SISO	Ant1	5180	2.68	42.58	3.71	6.39	≤23.98	PASS
		5200	1.78	44.64	3.50	5.28	≤23.98	PASS
		5240	3.52	44.64	3.50	7.02	≤23.98	PASS
11AX40SISO	Ant1	5190	1.51	44.68	3.50	5.01	≤23.98	PASS
		5230	2.33	44.68	3.50	5.83	≤23.98	PASS
11AX80SISO	Ant1	5210	1.00	42.61	3.70	4.70	≤23.98	PASS

AppendixD.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-3.73	≤11.00	PASS
		5200	-3.81	≤11.00	PASS
		5240	-2.94	≤11.00	PASS
11N20SISO	Ant1	5180	-3.91	≤11.00	PASS
		5200	-3.95	≤11.00	PASS
		5240	-2.87	≤11.00	PASS
11N40SISO	Ant1	5190	0.08	≤11.00	PASS
11AC20SISO	Ant1	5180	-3.38	≤11.00	PASS
		5200	-4.27	≤11.00	PASS
		5240	-2.52	≤11.00	PASS
11AC40SISO	Ant1	5190	-7.07	≤11.00	PASS
		5230	-6.06	≤11.00	PASS
11AC80SISO	Ant1	5210	-9.63	≤11.00	PASS
11AX20SISO	Ant1	5180	-2.56	≤11.00	PASS
		5200	-3.75	≤11.00	PASS
		5240	-6.07	≤11.00	PASS
11AX40SISO	Ant1	5190	-6.93	≤11.00	PASS
		5230	-6.04	≤11.00	PASS
11AX80SISO	Ant1	5210	-10.11	≤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 Factorand RBW Factoriscompensatedinthe graph.

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



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

Keysight Spectrum Analyzer - Swept SA

RF: 5.00 AC SENSE: INT

ALIGN: AUTO 05:49:39 AM Nov 10, 2025

Center Freq 5.210000000 GHz

Trig: Free Run #Avg Type: RMS AvgIHold: 20/20

Trace 1 2 3 4 5 TYPE: MAAAAAA DEF: AAAAAA

PNO: Fast IFGain: Low #Atten: 30 dB

Ref Offset 13.72 dB Ref 20.00 dBm

Mkr1 5.198 96 GHz -10.113 dBm

10 dB/div Log

Center Freq 5.210000000 GHz

Start Freq 5.130000000 GHz

Stop Freq 5.290000000 GHz

CF Step 16.000000 MHz Auto Man

Freq Offset 0 Hz

Center 5.21000 GHz Span 160.0 MHz

#Res BW 1.0 MHz #VBW 3.0 MHz* #Sweep 1.000 s (1001 pts)

MSO STATUS