

Case No. : <u>GTS20260316016-1-14</u>
Ambient Condition: <u>24</u> °C, <u>46</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2026.7.10-2026.7.28</u> Test Engineer: <u>Evan ouyang</u>

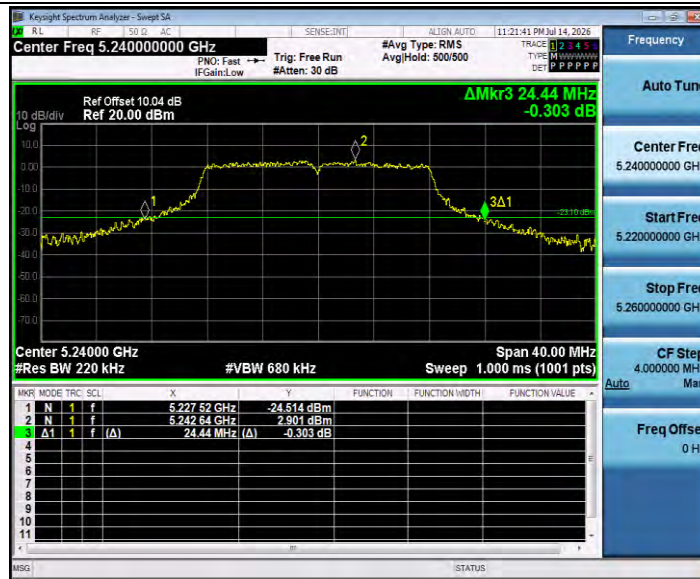
AppendixD.1: Emission Bandwidth

Test Result

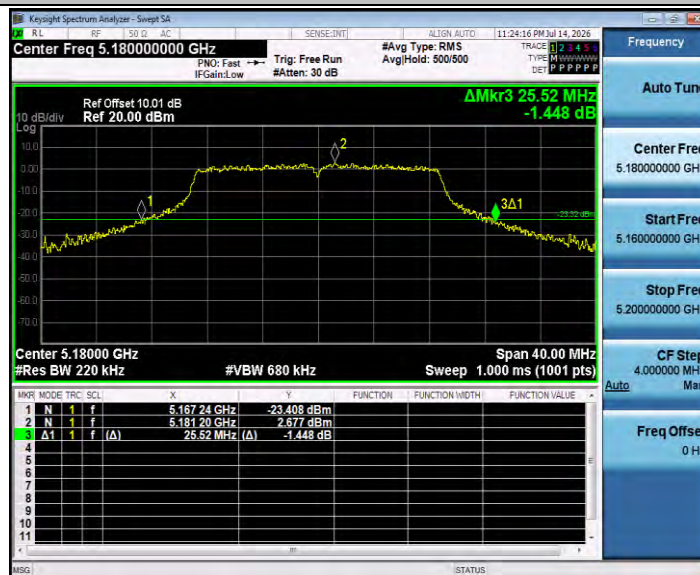
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	25.280	5167.800	5193.080	---	---
		5200	25.520	5186.400	5211.920	---	---
		5240	24.440	5227.520	5251.960	---	---
11N20SISO	Ant1	5180	25.520	5167.240	5192.760	---	---
		5200	25.040	5187.480	5212.520	---	---
		5240	25.320	5227.040	5252.360	---	---
11N40SISO	Ant1	5190	46.080	5166.640	5212.720	---	---
		5230	45.840	5207.120	5252.960	---	---
11AC20SISO	Ant1	5180	25.000	5167.440	5192.440	---	---
		5200	24.800	5187.600	5212.400	---	---
		5240	26.600	5226.080	5252.680	---	---
11AC40SISO	Ant1	5190	46.400	5166.480	5212.880	---	---
		5230	46.640	5205.840	5252.480	---	---
11AC80SISO	Ant1	5210	86.720	5166.480	5253.200	---	---
11AX20SISO	Ant1	5180	24.640	5167.760	5192.400	---	---
		5200	24.360	5188.000	5212.360	---	---
		5240	24.760	5227.480	5252.240	---	---
11AX40SISO	Ant1	5190	43.840	5168.240	5212.080	---	---
		5230	45.280	5207.440	5252.720	---	---
11AX80SISO	Ant1	5210	85.920	5167.440	5253.360	---	---

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



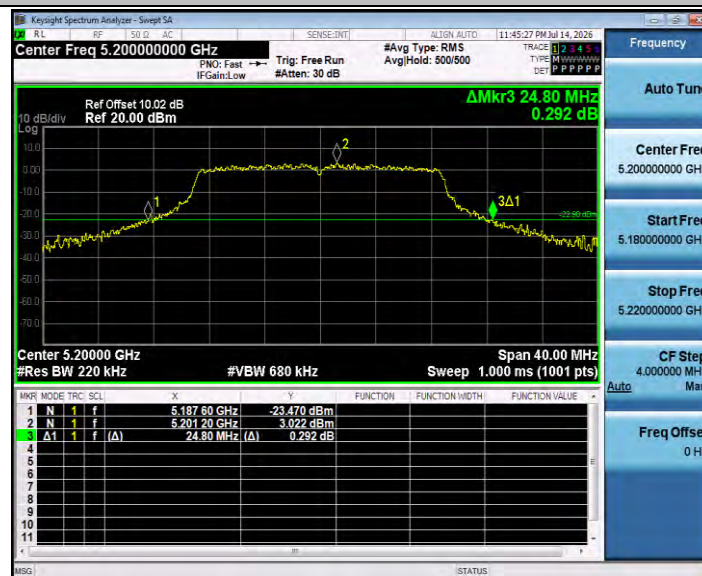
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



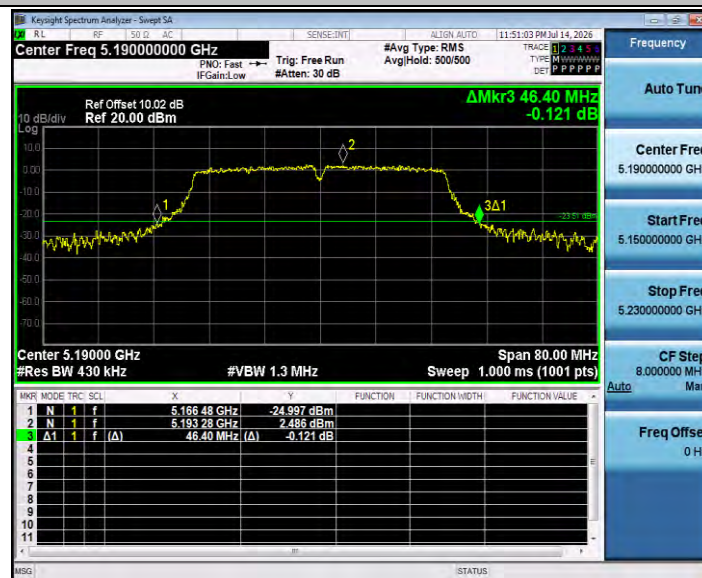
11AC20SISO_Ant1_5200



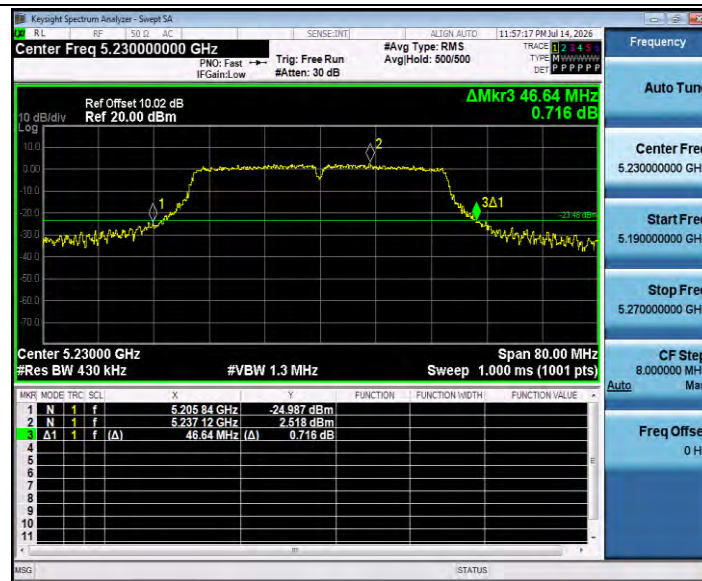
11AC20SISO_Ant1_5240



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

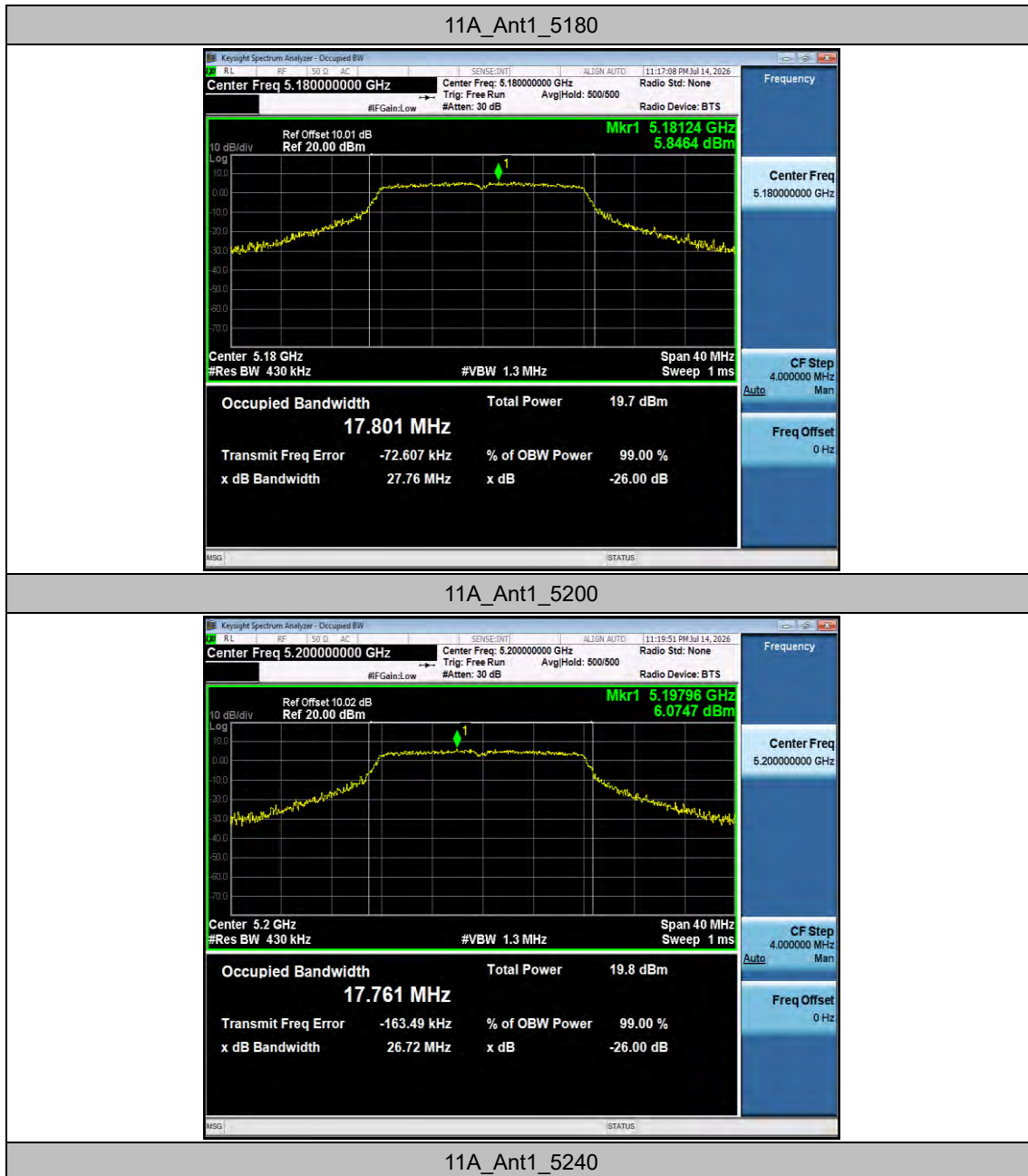


AppendixD.2: Occupied channel bandwidth

Test Result

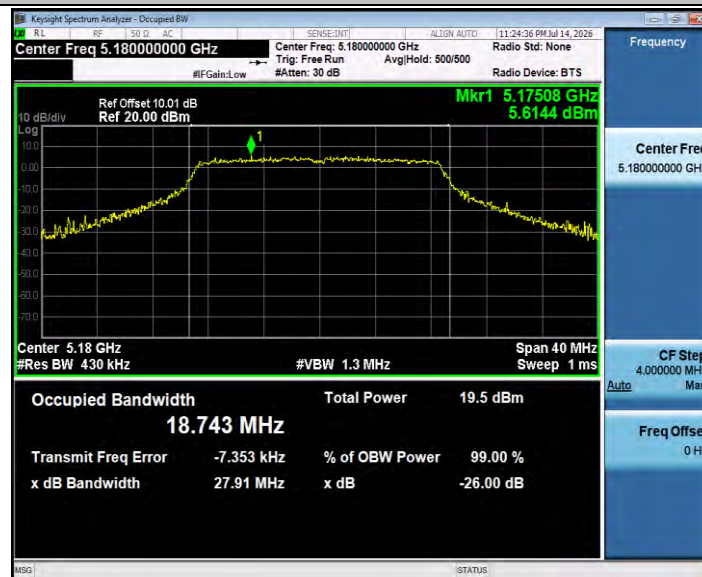
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.801	5171.0269	5188.8279	---	---
		5200	17.761	5190.9560	5208.7170	---	---
		5240	17.679	5231.0052	5248.6842	---	---
11N20SISO	Ant1	5180	18.743	5170.6212	5189.3642	---	---
		5200	18.764	5190.5726	5209.3366	---	---
		5240	18.756	5230.4921	5249.2481	---	---
11N40SISO	Ant1	5190	37.141	5171.4527	5208.5937	---	---
		5230	37.161	5211.2934	5248.4544	---	---
11AC20SISO	Ant1	5180	18.746	5170.6499	5189.3959	---	---
		5200	18.721	5190.6070	5209.3280	---	---
		5240	18.669	5230.5750	5249.2440	---	---
11AC40SISO	Ant1	5190	37.224	5171.3985	5208.6225	---	---
		5230	37.257	5211.2587	5248.5157	---	---
11AC80SISO	Ant1	5210	76.305	5171.8296	5248.1346	---	---
11AX20SISO	Ant1	5180	19.479	5170.2459	5189.7249	---	---
		5200	19.526	5190.2162	5209.7422	---	---
		5240	19.426	5230.2032	5249.6292	---	---
11AX40SISO	Ant1	5190	38.221	5170.8715	5209.0925	---	---
		5230	38.320	5210.8022	5249.1222	---	---
11AX80SISO	Ant1	5210	77.785	5171.1313	5248.9163	---	---

Test Graphs





11N20SISO_Ant1_5180



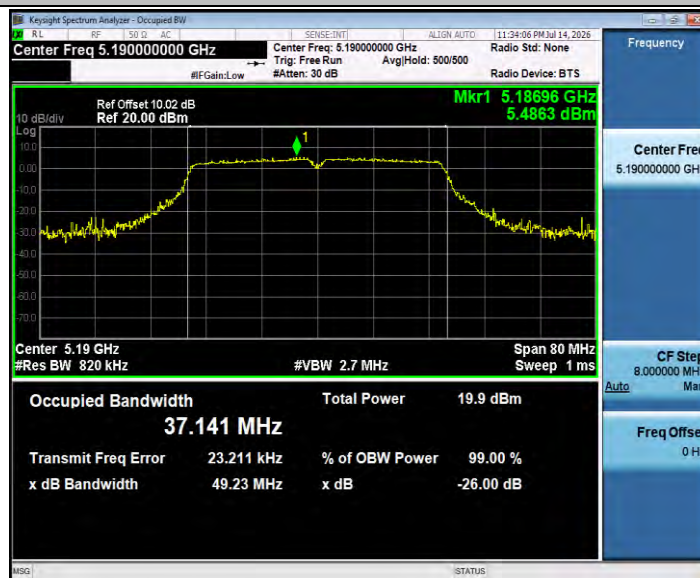
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



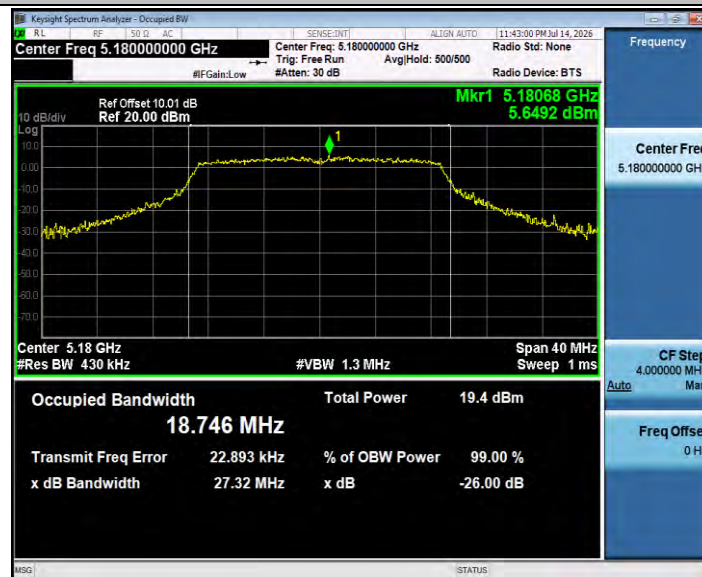
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



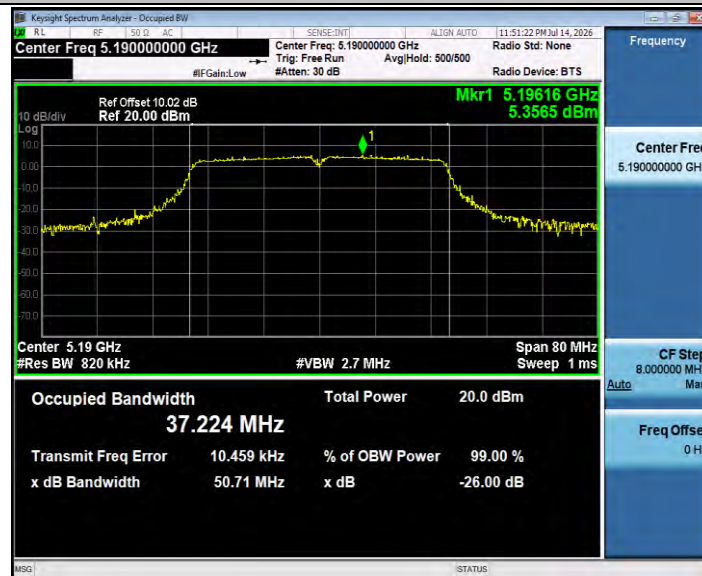
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



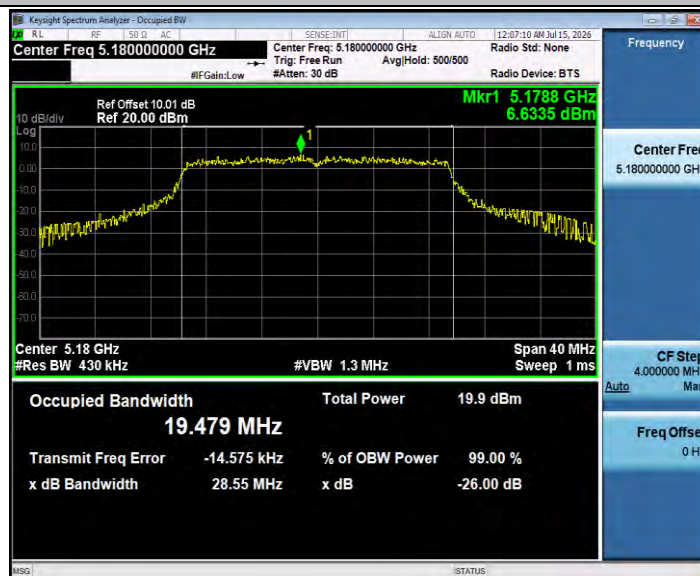
11AC40SISO_Ant1_5230



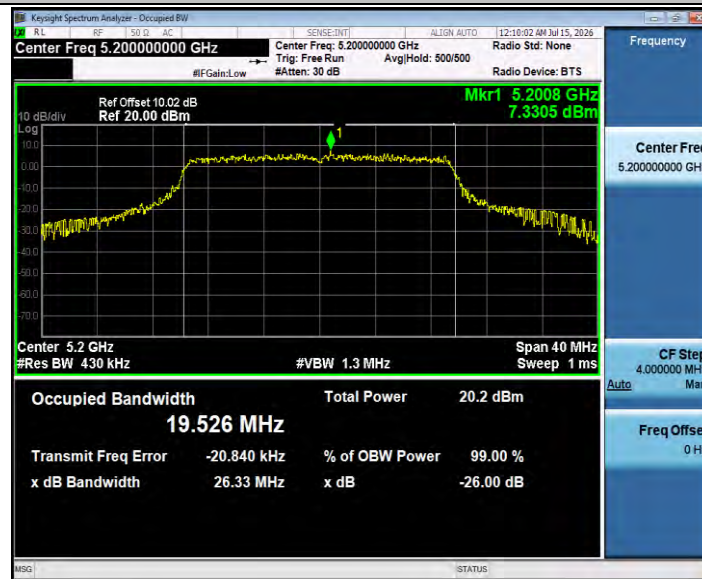
11AC80SISO_Ant1_5210



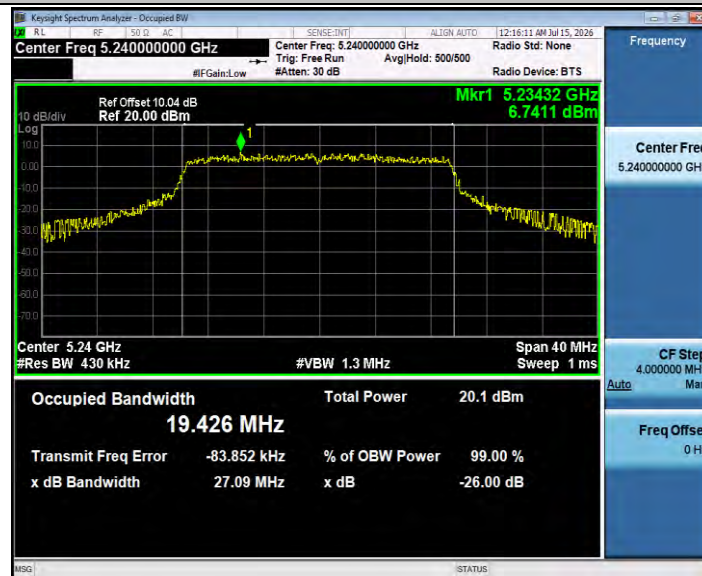
11AX20SISO_Ant1_5180



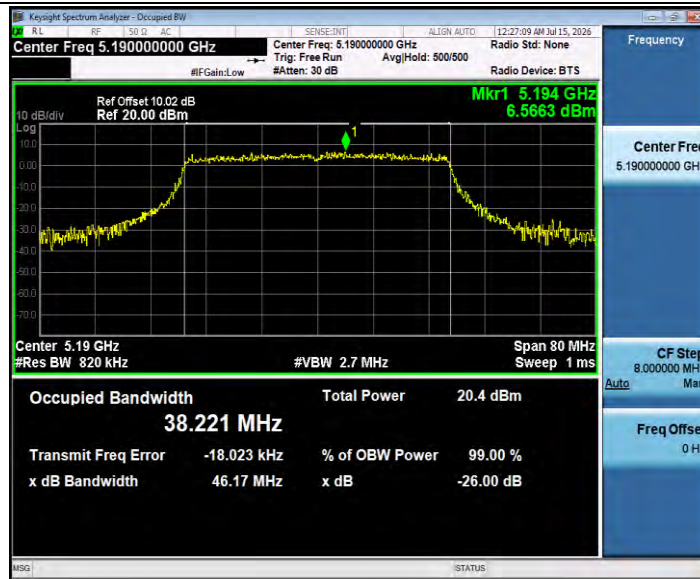
11AX20SISO_Ant1_5200



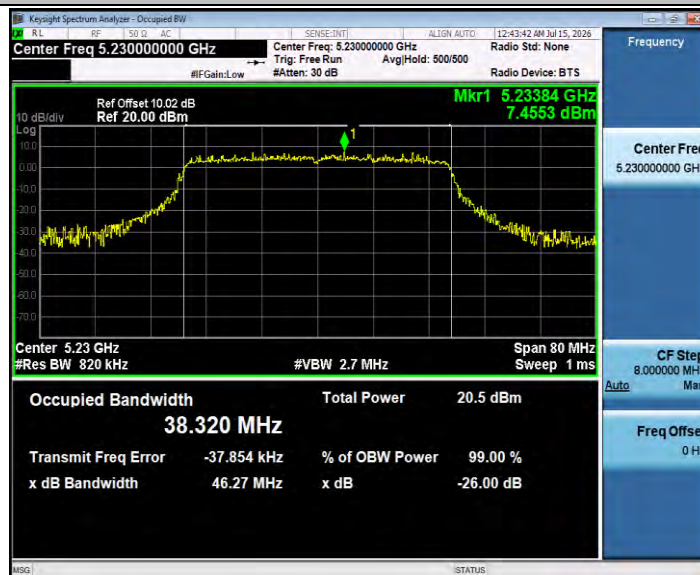
11AX20SISO_Ant1_5240



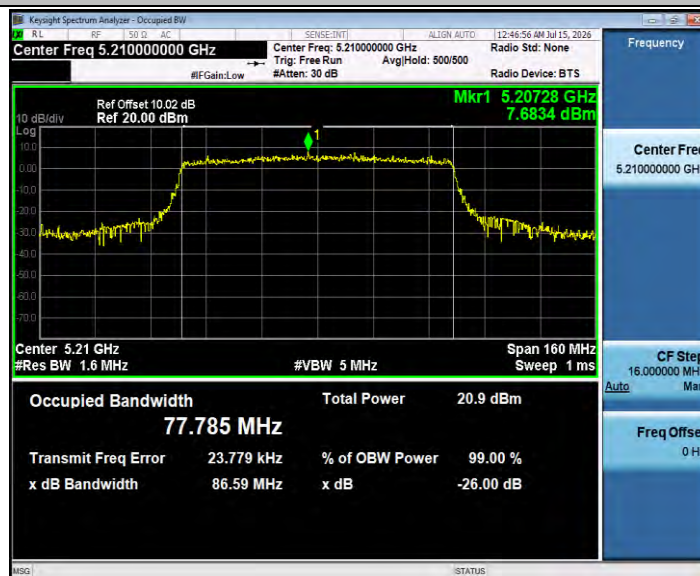
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



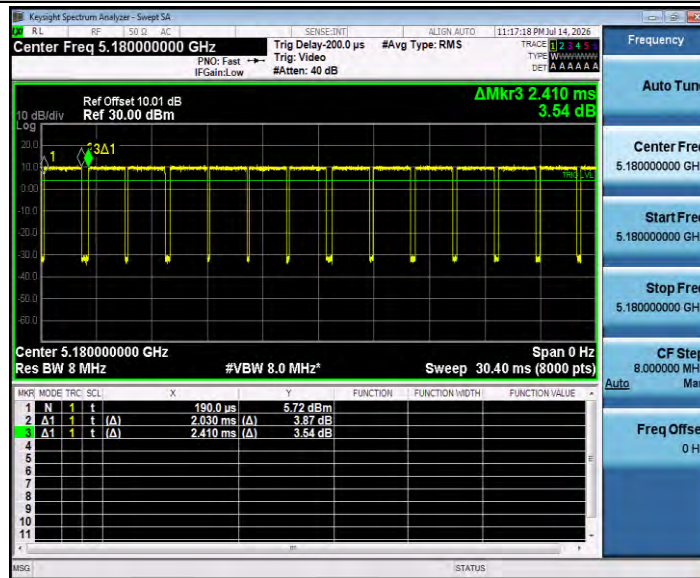
AppendixD.3: Duty Cycle

Test Result

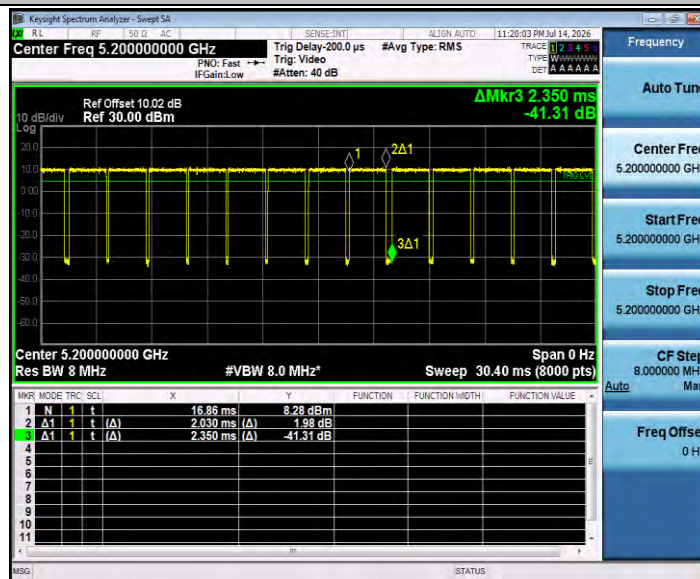
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.41	84.23	0.75	0.49
		5200	2.03	2.35	86.38	0.64	0.49
		5240	2.03	2.21	91.86	0.37	0.49
11N20SISO	Ant1	5180	1.89	2.92	64.73	1.89	0.53
		5200	1.89	2.07	91.30	0.40	0.53
		5240	1.89	2.13	88.73	0.52	0.53
11N40SISO	Ant1	5190	0.93	1.23	75.61	1.21	1.08
		5230	0.93	1.81	51.38	2.89	1.08
11AC20SISO	Ant1	5180	1.90	2.31	82.25	0.85	0.53
		5200	1.90	2.05	92.68	0.33	0.53
		5240	1.89	2.18	86.70	0.62	0.53
11AC40SISO	Ant1	5190	0.94	1.46	64.38	1.91	1.06
		5230	0.94	1.37	68.61	1.64	1.06
11AC80SISO	Ant1	5210	0.45	0.73	61.64	2.10	2.22
11AX20SISO	Ant1	5180	1.46	1.78	82.02	0.86	0.68
		5200	1.46	1.64	89.02	0.51	0.68
		5240	1.46	1.73	84.39	0.74	0.68
11AX40SISO	Ant1	5190	0.76	1.32	57.58	2.40	1.32
		5230	0.76	1.62	46.91	3.29	1.32
11AX80SISO	Ant1	5210	0.39	0.63	61.90	2.08	2.56

Test Graphs

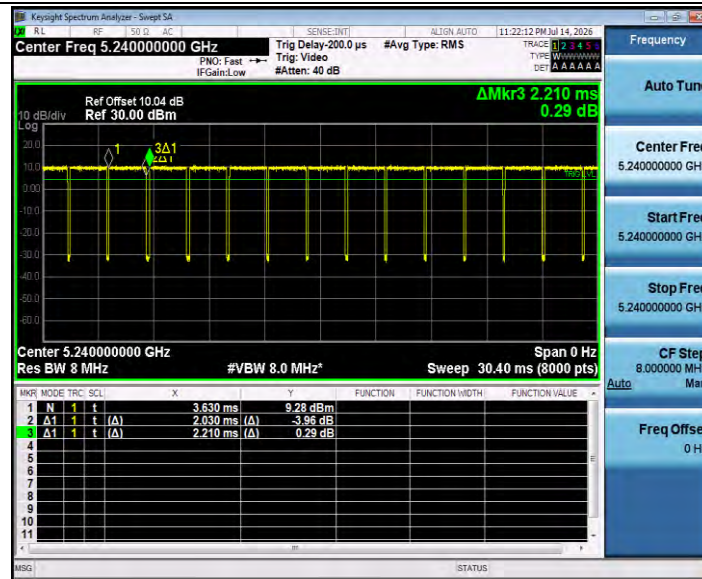
11A_Ant1_5180



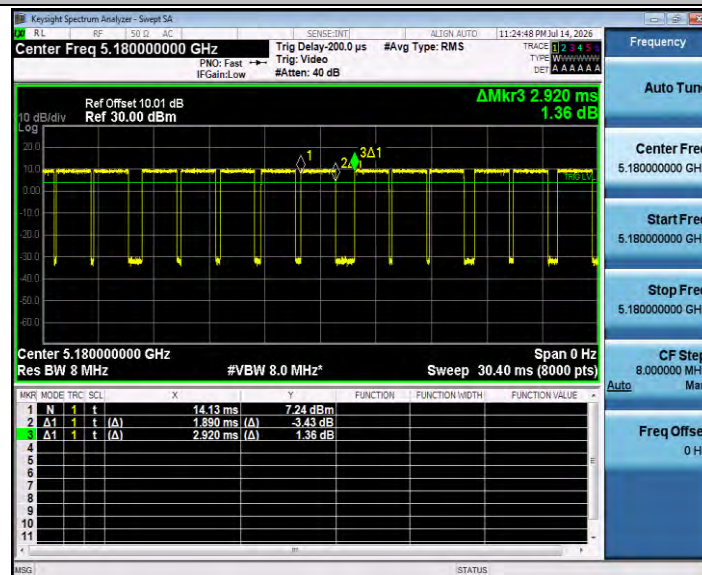
11A_Ant1_5200



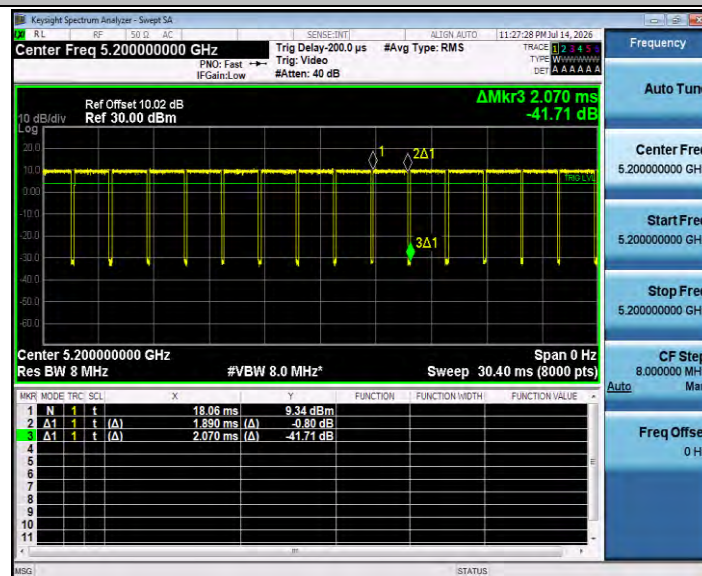
11A_Ant1_5240



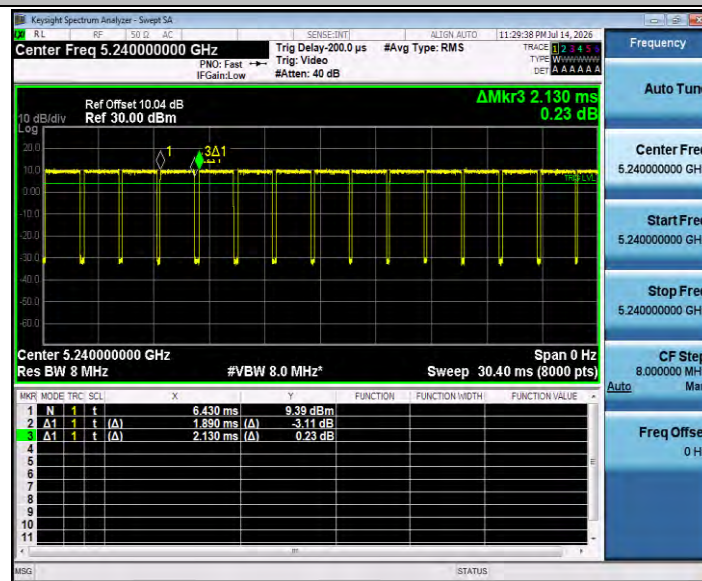
11N20SISO_Ant1_5180



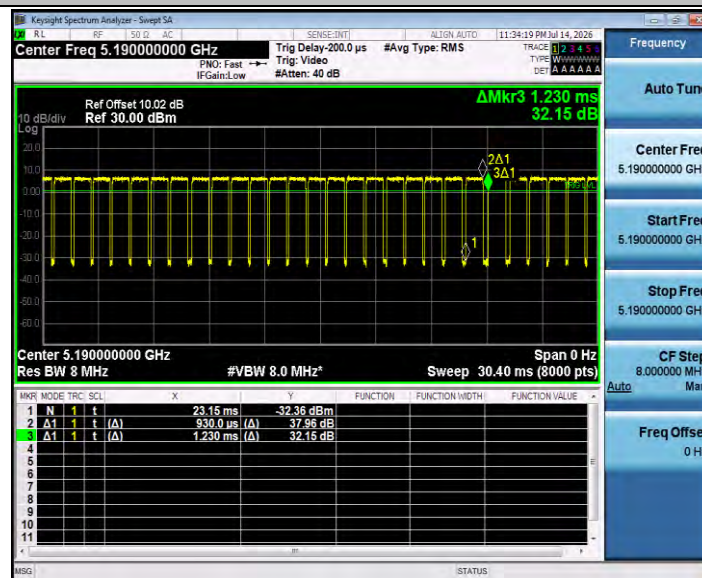
11N20SISO_Ant1_5200



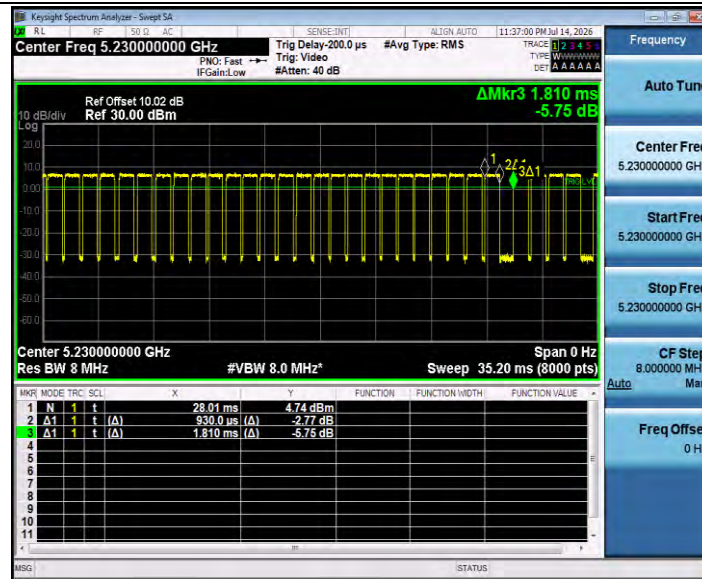
11N20SISO_Ant1_5240



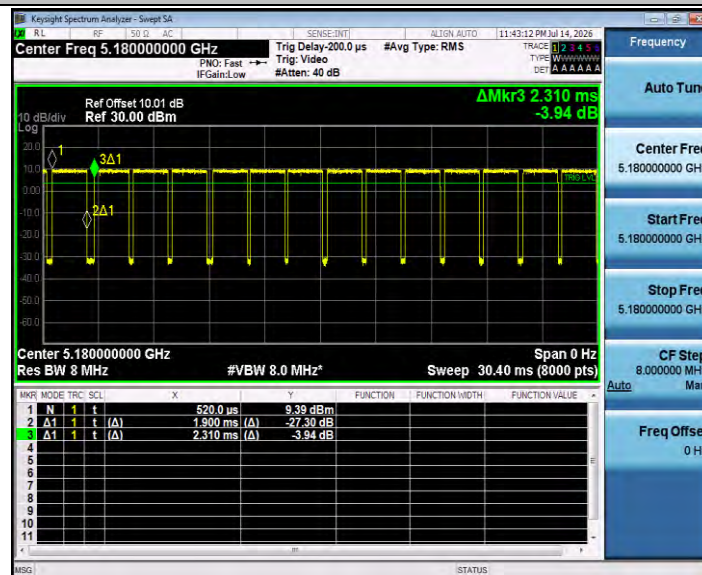
11N40SISO_Ant1_5190



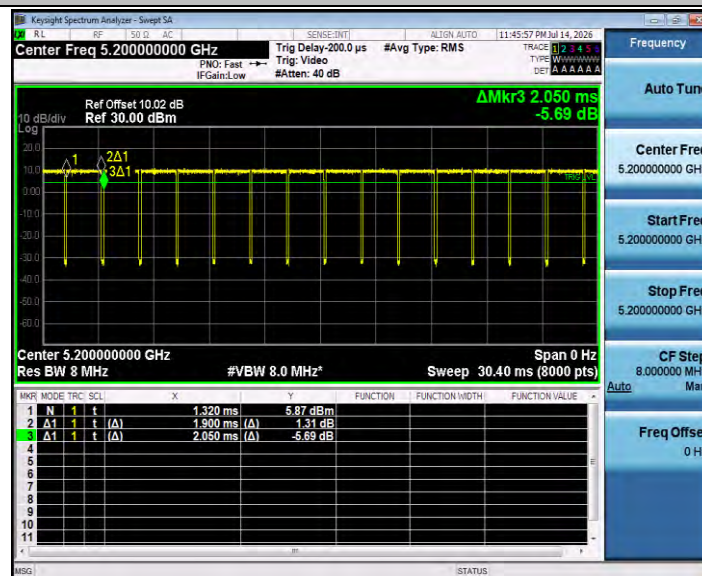
11N40SISO_Ant1_5230

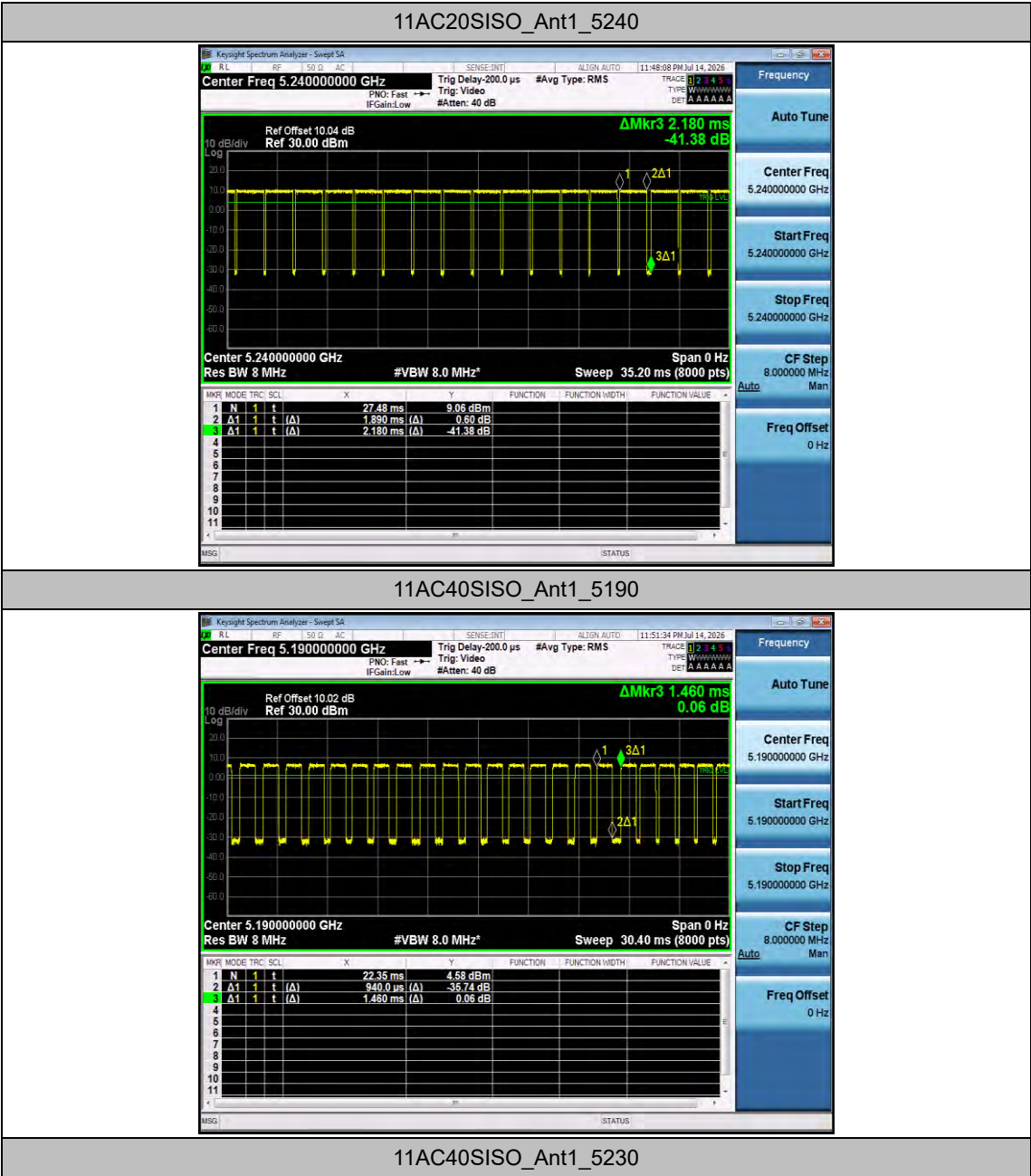


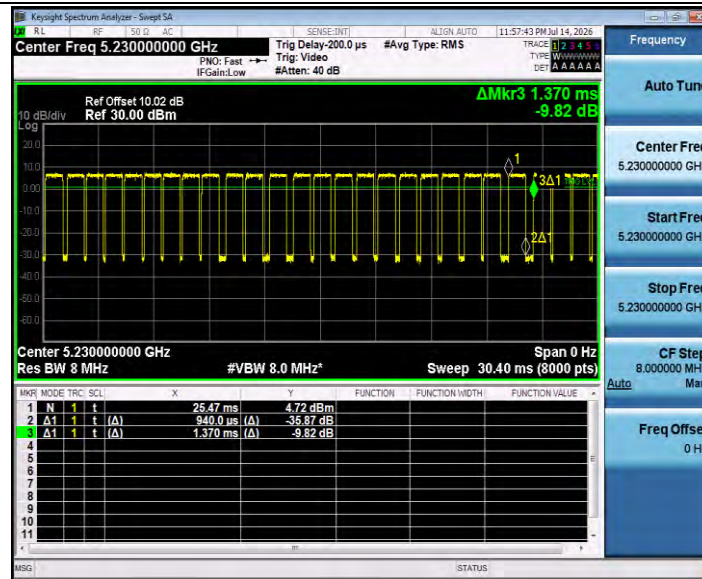
11AC20SISO_Ant1_5180



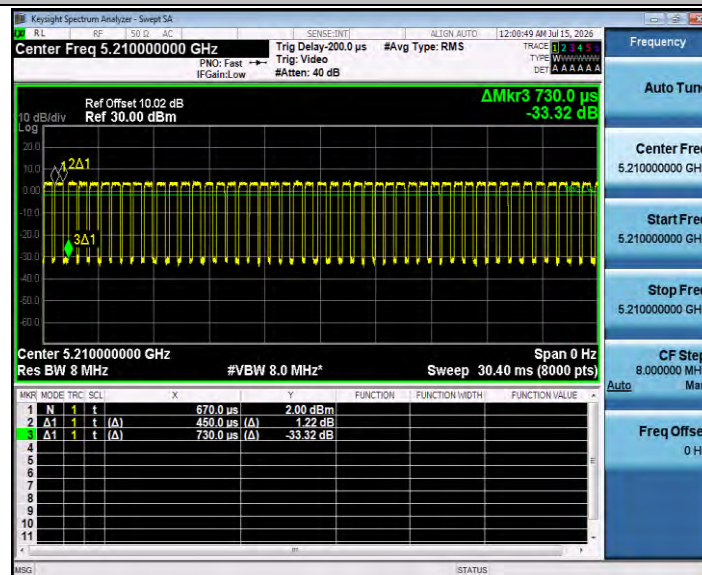
11AC20SISO_Ant1_5200



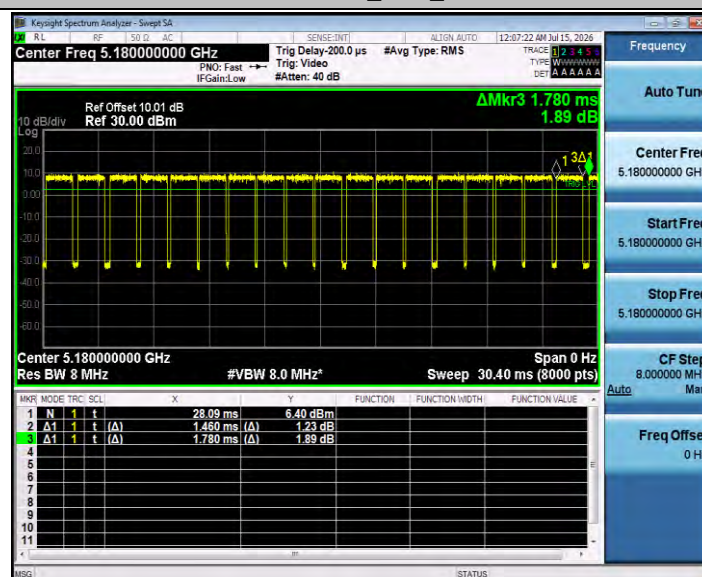




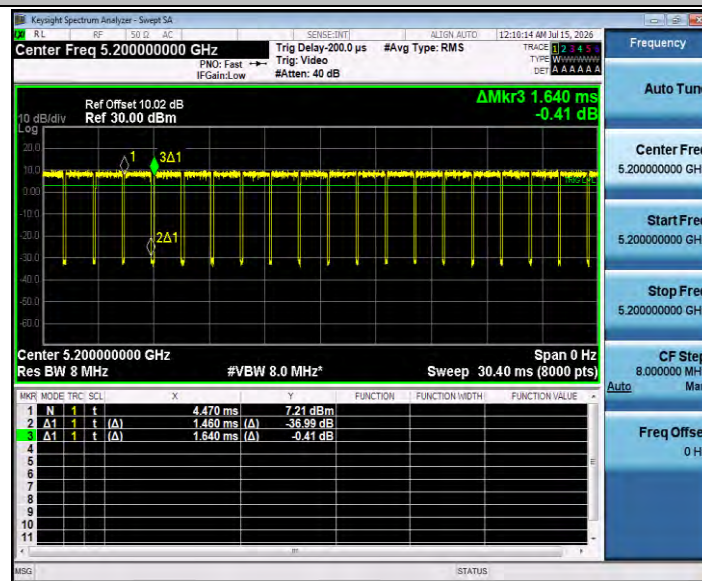
11AC80SISO_Ant1_5210



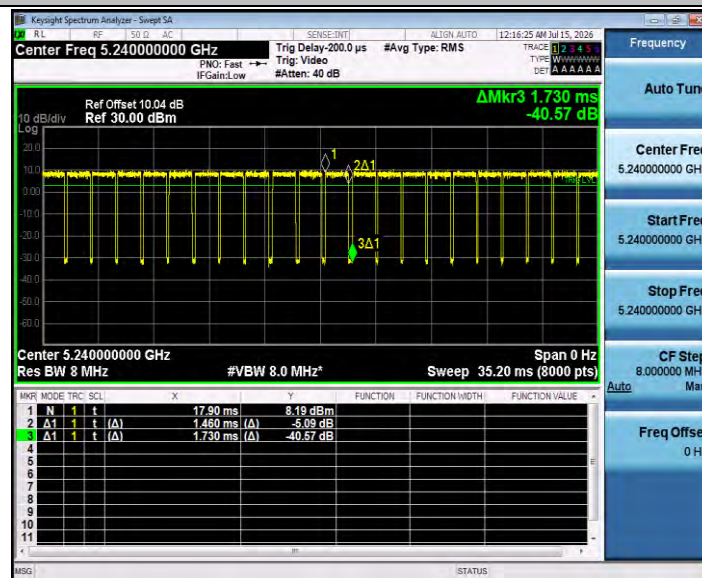
11AX20SISO_Ant1_5180



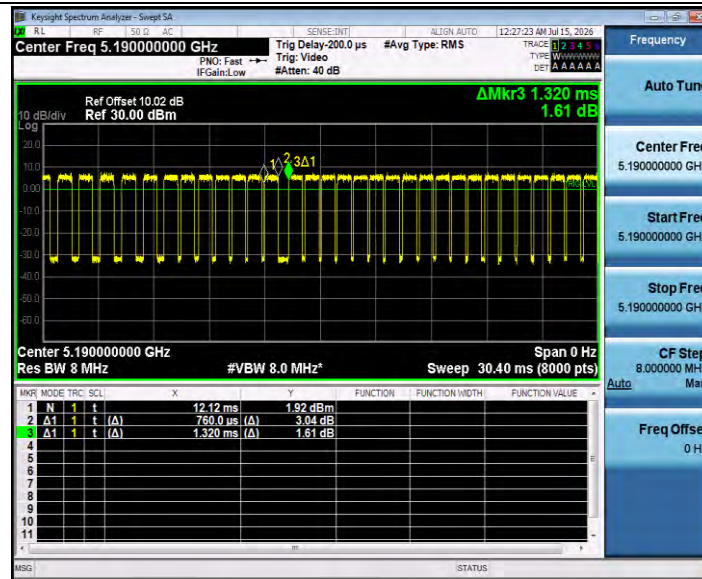
11AX20SISO_Ant1_5200



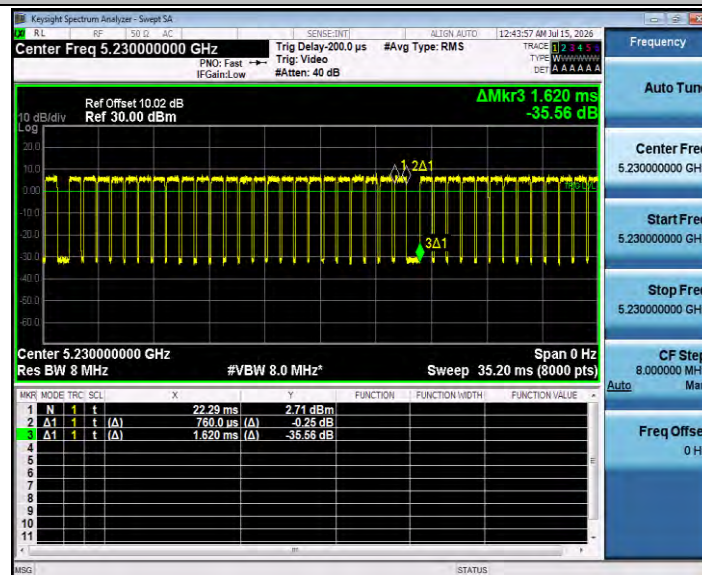
11AX20SISO_Ant1_5240



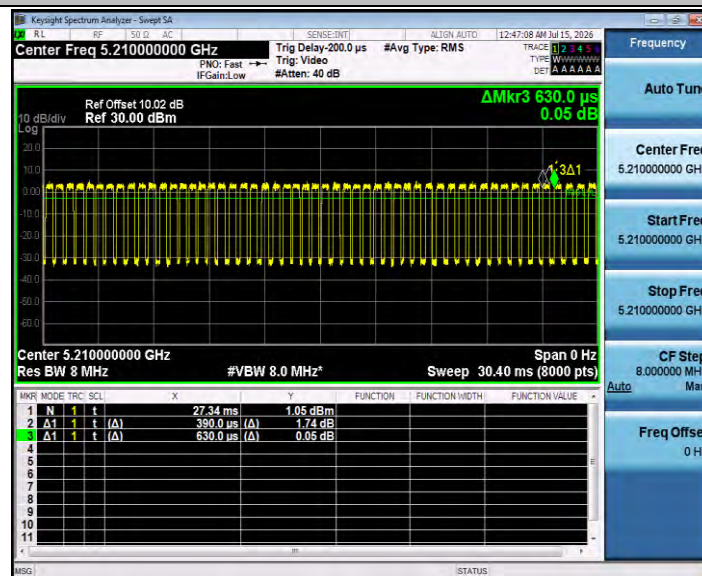
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



AppendixD.4: Maximum conducted output power

Test Result

DC 24V:

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	12.39	84.23	0.75	13.14	≤23.98	PASS
		5200	12.68	86.38	0.64	13.32	≤23.98	PASS
		5240	12.34	91.86	0.37	12.71	≤23.98	PASS
11N20SISO	Ant1	5180	12.08	64.73	1.89	13.97	≤23.98	PASS
		5200	12.57	91.30	0.40	12.97	≤23.98	PASS
		5240	12.31	88.73	0.52	12.83	≤23.98	PASS
11N40SISO	Ant1	5190	11.71	75.61	1.21	12.92	≤23.98	PASS
		5230	11.69	51.38	2.89	14.58	≤23.98	PASS
11AC20SISO	Ant1	5180	12.07	82.25	0.85	12.92	≤23.98	PASS
		5200	12.63	92.68	0.33	12.96	≤23.98	PASS
		5240	12.41	86.70	0.62	13.03	≤23.98	PASS
11AC40SISO	Ant1	5190	11.95	64.38	1.91	13.86	≤23.98	PASS
		5230	11.76	68.61	1.64	13.40	≤23.98	PASS
11AC80SISO	Ant1	5210	11.41	61.64	2.10	13.51	≤23.98	PASS
11AX20SISO	Ant1	5180	11.01	82.02	0.86	11.87	≤23.98	PASS
		5200	11.52	89.02	0.51	12.03	≤23.98	PASS
		5240	11.41	84.39	0.74	12.15	≤23.98	PASS
11AX40SISO	Ant1	5190	10.80	57.58	2.40	13.20	≤23.98	PASS
		5230	10.85	46.91	3.29	14.14	≤23.98	PASS
11AX80SISO	Ant1	5210	10.32	61.90	2.08	12.40	≤23.98	PASS

DC 55V(PoE++):

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	12.01	84.23	0.75	12.76	≤23.98	PASS
		5200	12.25	86.38	0.64	12.89	≤23.98	PASS
		5240	12.11	91.86	0.37	12.48	≤23.98	PASS
11N20SISO	Ant1	5180	11.79	64.73	1.89	13.68	≤23.98	PASS
		5200	12.15	91.30	0.40	12.55	≤23.98	PASS
		5240	11.98	88.73	0.52	12.50	≤23.98	PASS
11N40SISO	Ant1	5190	11.25	75.61	1.21	12.46	≤23.98	PASS
		5230	11.31	51.38	2.89	14.20	≤23.98	PASS
11AC20SISO	Ant1	5180	11.87	82.25	0.85	12.72	≤23.98	PASS
		5200	12.27	92.68	0.33	12.60	≤23.98	PASS
		5240	12.02	86.70	0.62	12.64	≤23.98	PASS
11AC40SISO	Ant1	5190	11.58	64.38	1.91	13.49	≤23.98	PASS
		5230	11.46	68.61	1.64	13.10	≤23.98	PASS
11AC80SISO	Ant1	5210	11.05	61.64	2.10	13.15	≤23.98	PASS
11AX20SISO	Ant1	5180	10.69	82.02	0.86	11.55	≤23.98	PASS
		5200	11.10	89.02	0.51	11.61	≤23.98	PASS
		5240	11.03	84.39	0.74	11.77	≤23.98	PASS
11AX40SISO	Ant1	5190	10.34	57.58	2.40	12.74	≤23.98	PASS
		5230	10.39	46.91	3.29	13.68	≤23.98	PASS
11AX80SISO	Ant1	5210	10.01	61.90	2.08	12.09	≤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	2.04	≤11.00	PASS
		5200	2.15	≤11.00	PASS
		5240	1.67	≤11.00	PASS
11N20SISO	Ant1	5180	2.77	≤11.00	PASS
		5200	1.66	≤11.00	PASS
		5240	1.59	≤11.00	PASS
11N40SISO	Ant1	5190	-1.03	≤11.00	PASS
		5230	0.75	≤11.00	PASS
11AC20SISO	Ant1	5180	1.70	≤11.00	PASS
		5200	1.56	≤11.00	PASS
		5240	1.66	≤11.00	PASS
11AC40SISO	Ant1	5190	-0.18	≤11.00	PASS
		5230	-0.43	≤11.00	PASS
11AC80SISO	Ant1	5210	-3.21	≤11.00	PASS
11AX20SISO	Ant1	5180	0.54	≤11.00	PASS
		5200	0.44	≤11.00	PASS
		5240	0.57	≤11.00	PASS
11AX40SISO	Ant1	5190	-1.09	≤11.00	PASS
		5230	-0.03	≤11.00	PASS
11AX80SISO	Ant1	5210	-4.54	≤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 Factoriscompensatedinthegraph.

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



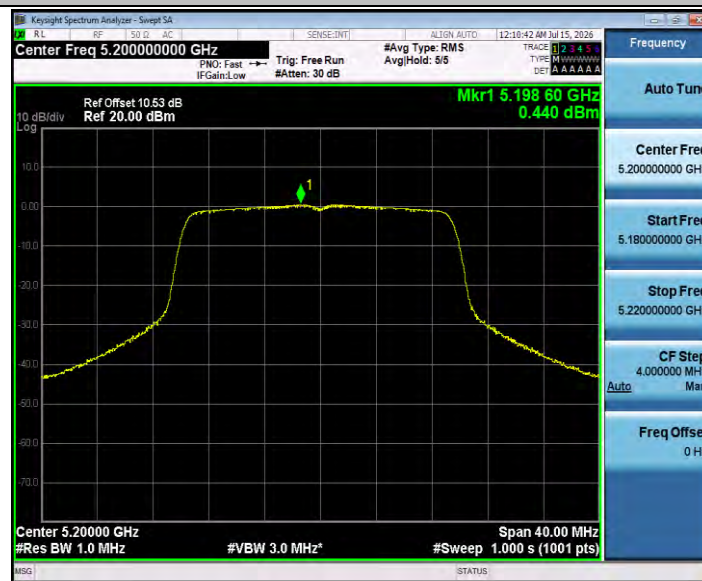
11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



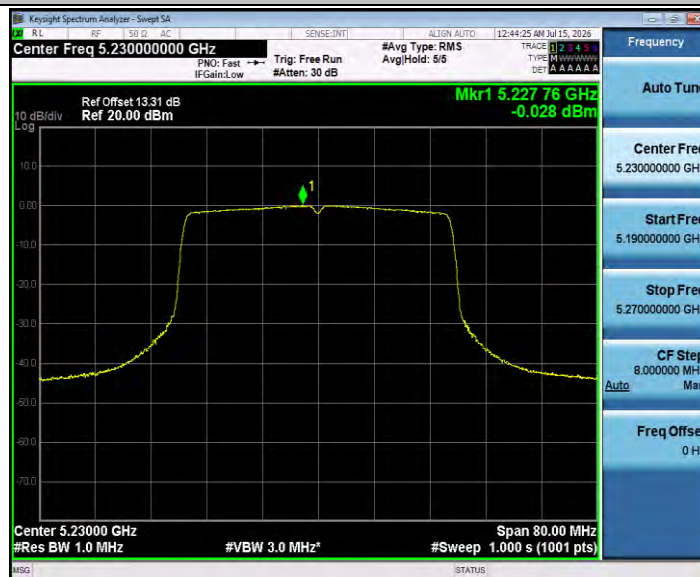
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

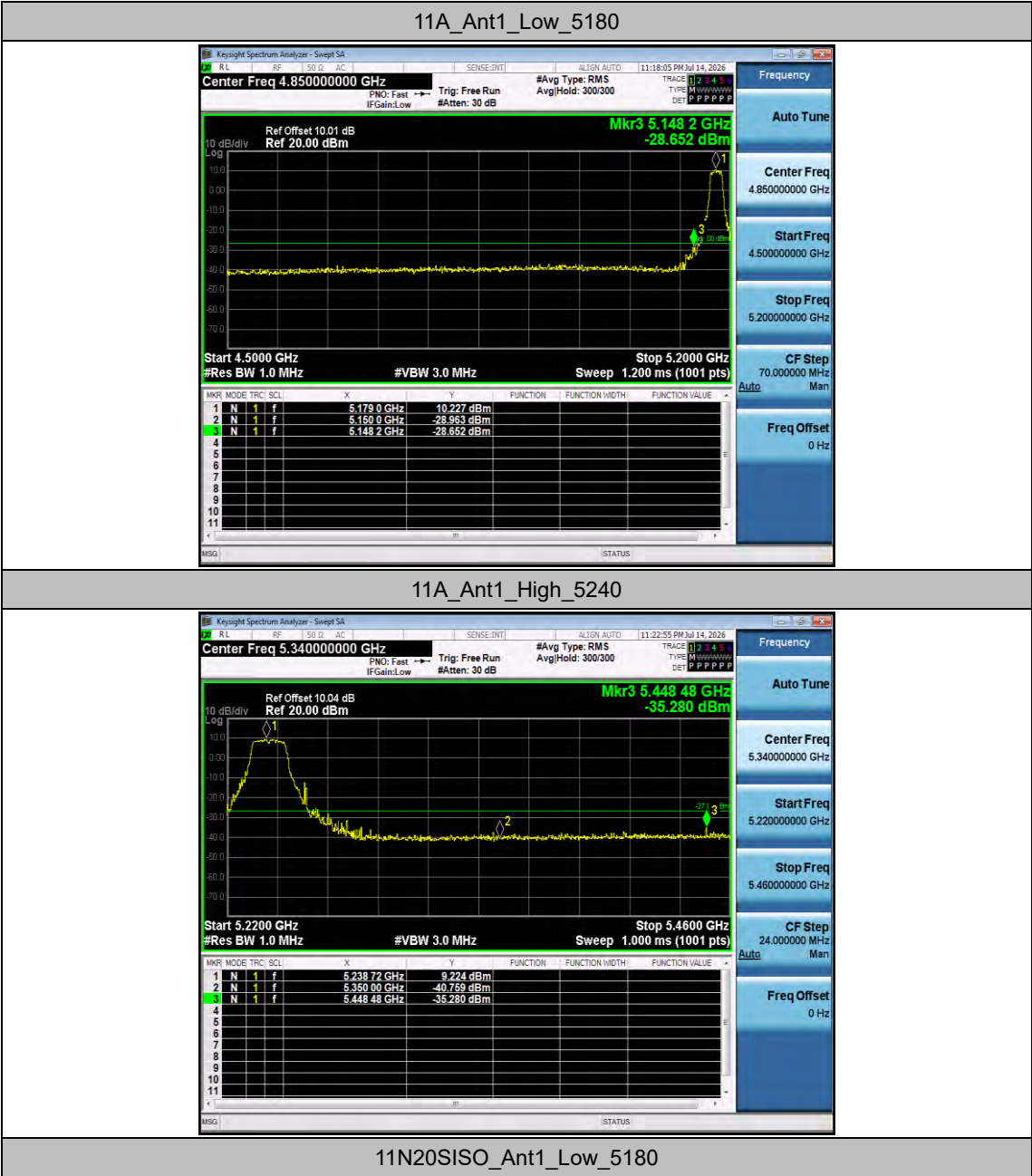


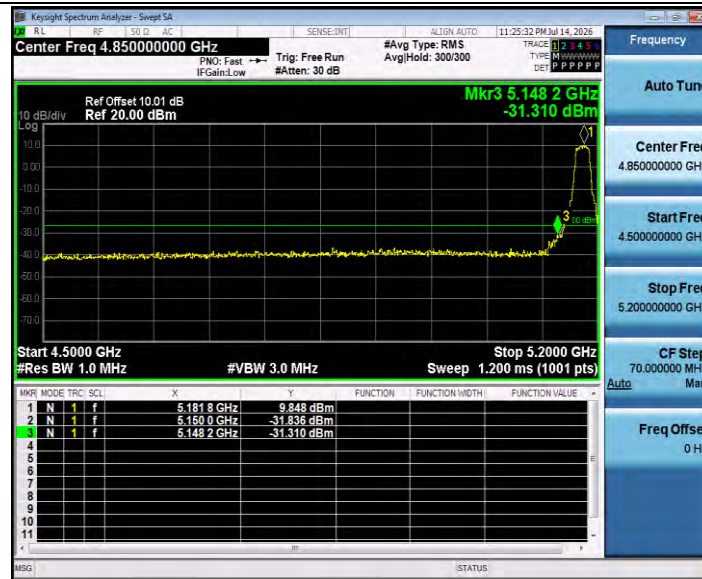
AppendixD.6:Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-28.65	≤-27	PASS
		High	5240	-35.28	≤-27	PASS
11N20SISO	Ant1	Low	5180	-31.31	≤-27	PASS
		High	5240	-37.23	≤-27	PASS
11N40SISO	Ant1	Low	5190	-28.92	≤-27	PASS
		High	5230	-37.88	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-31.76	≤-27	PASS
		High	5240	-36.53	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-28.14	≤-27	PASS
		High	5230	-37.06	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-36.53	≤-27	PASS
		High	5210	-36.43	≤-27	PASS
11AX20SISO	Ant1	Low	5180	-32.03	≤-27	PASS
		High	5240	-36.87	≤-27	PASS
11AX40SISO	Ant1	Low	5190	-28.52	≤-27	PASS
		High	5230	-35.73	≤-27	PASS
11AX80SISO	Ant1	Low	5210	-29.81	≤-27	PASS
		High	5210	-37.63	≤-27	PASS

Test GraphsB1

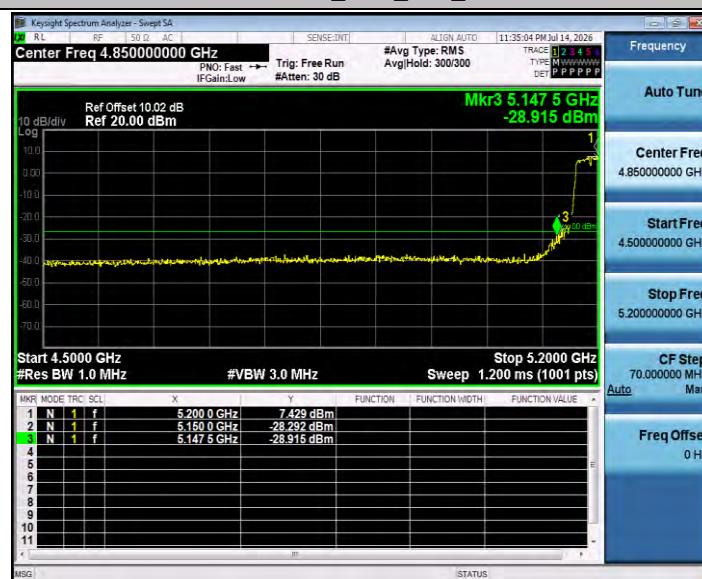


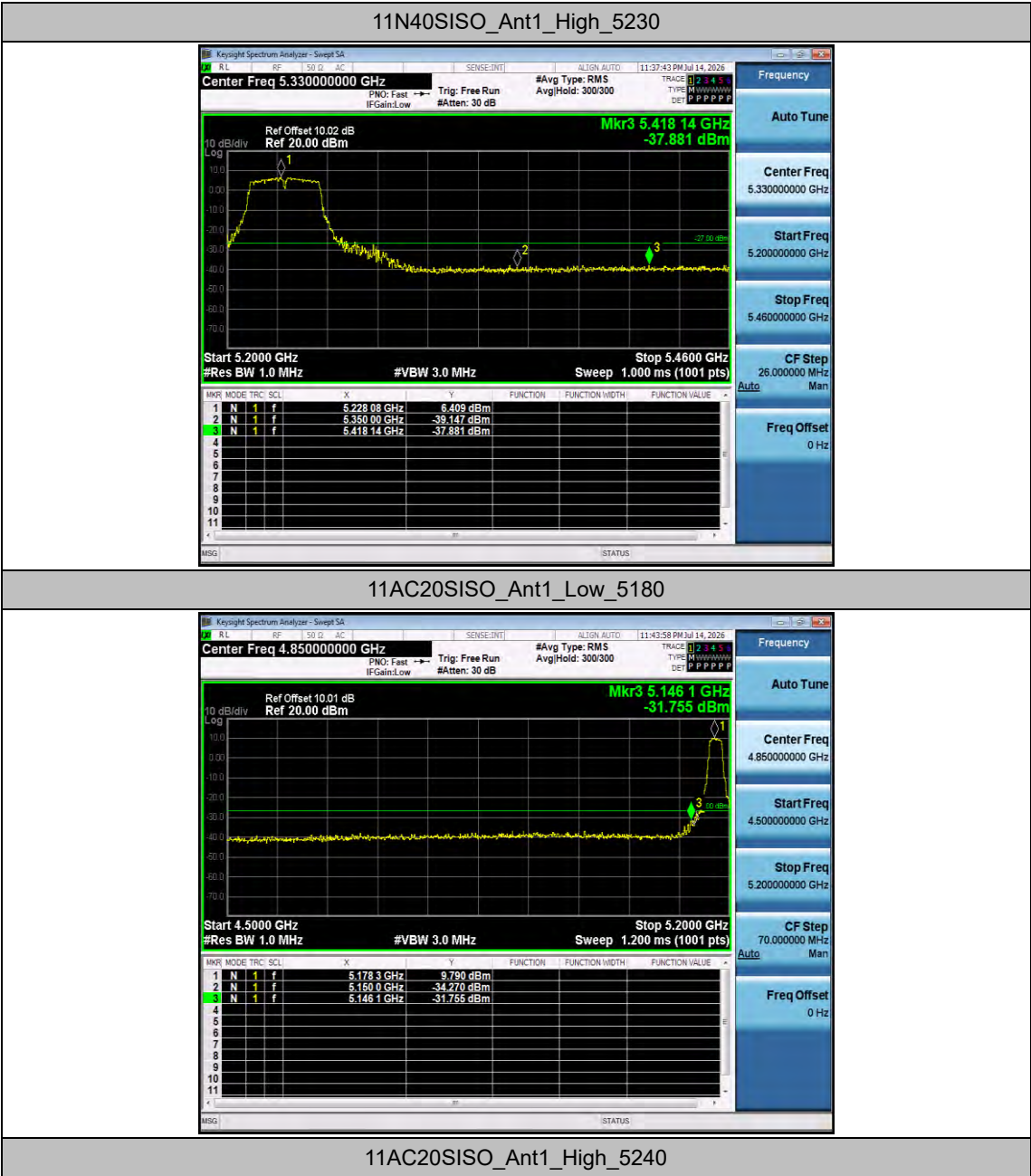


11N20SISO_Ant1_High_5240



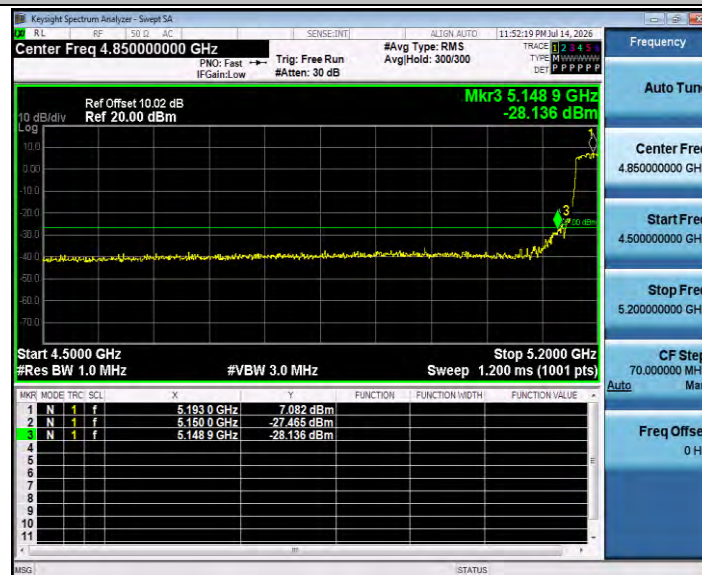
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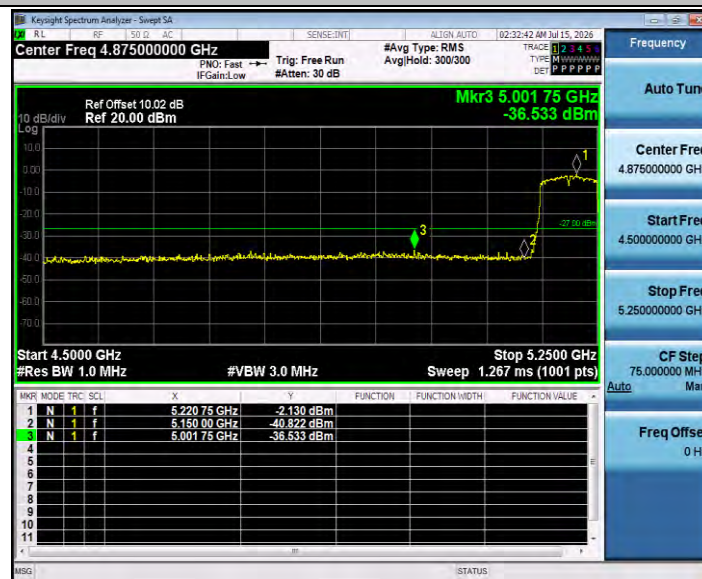
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11AC40SISO_Ant1_High_5230



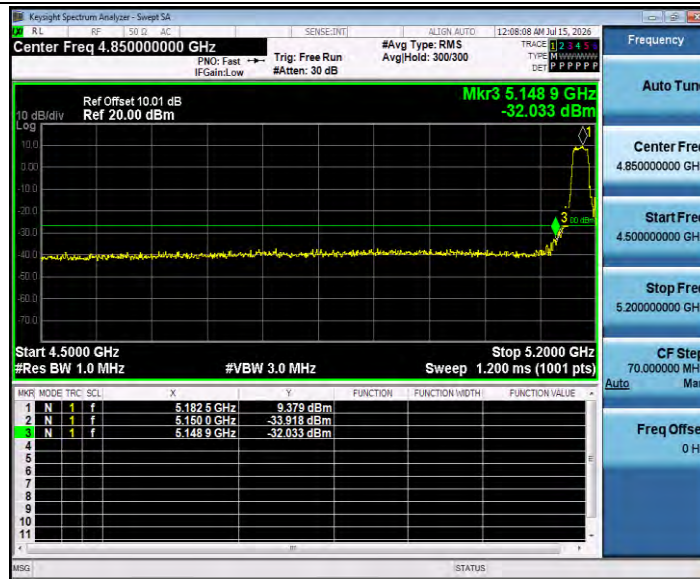
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11AC80SISO_Ant1_High_5210



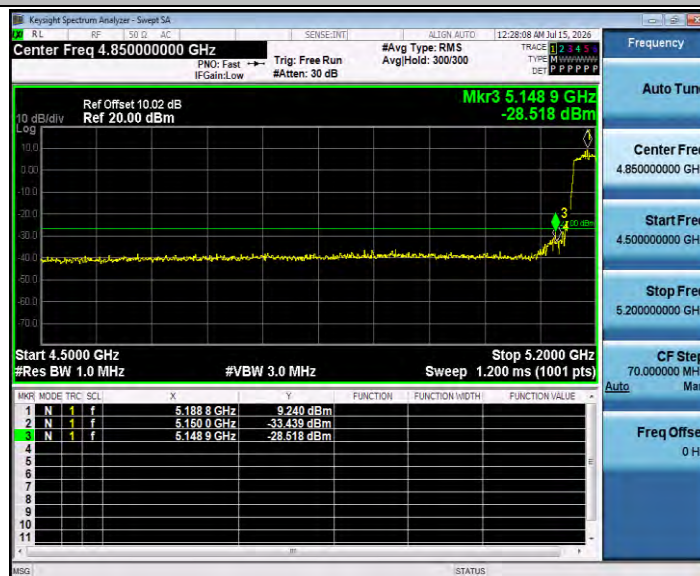
11AX20SISO_Ant1_Low_5180



11AX20SISO_Ant1_High_5240



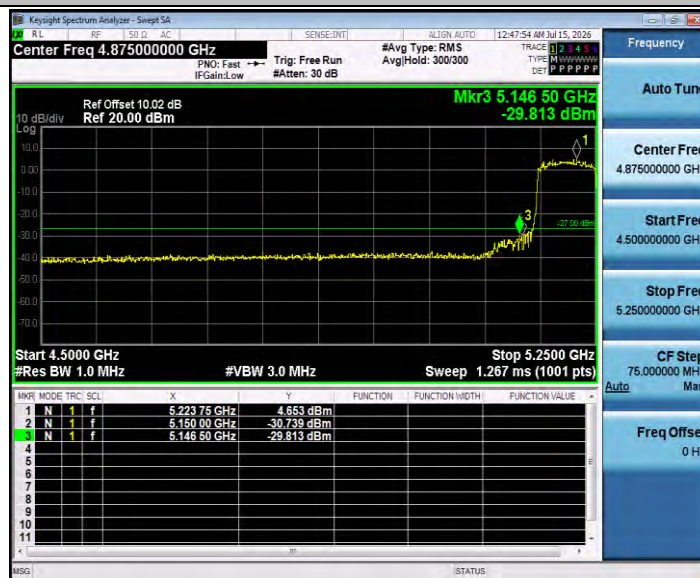
11AX40SISO_Ant1_Low_5190



11AX40SISO_Ant1_High_5230



11AX80SISO_Ant1_Low_5210



11AX80SISO_Ant1_High_5210

