

Case No. : <u>GTS20250516011-2-11</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.6.13-2025.7.8</u>	Test Engineer: <u>Evan ouyang</u>

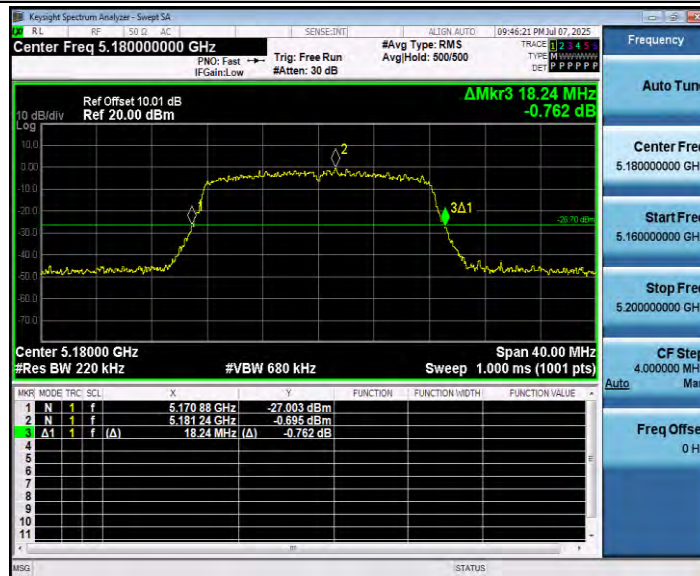
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	18.240	5170.880	5189.120	---	---
		5200	18.200	5190.880	5209.080	---	---
		5240	18.280	5230.880	5249.160	---	---
11N20SISO	Ant2	5180	19.120	5170.400	5189.520	---	---
		5200	19.080	5190.480	5209.560	---	---
		5240	19.120	5230.440	5249.560	---	---
11N40SISO	Ant2	5190	38.480	5170.800	5209.280	---	---
		5230	38.400	5210.720	5249.120	---	---
11AC20SISO	Ant2	5180	19.160	5170.400	5189.560	---	---
		5200	19.120	5190.480	5209.600	---	---
		5240	19.040	5230.440	5249.480	---	---
11AC40SISO	Ant2	5190	38.560	5170.720	5209.280	---	---
		5230	38.720	5210.640	5249.360	---	---
11AC80SISO	Ant2	5210	79.040	5170.480	5249.520	---	---
11AX20SISO	Ant2	5180	20.080	5169.960	5190.040	---	---
		5200	20.080	5189.960	5210.040	---	---
		5240	20.120	5229.920	5250.040	---	---
11AX40SISO	Ant2	5190	39.520	5170.240	5209.760	---	---
		5230	39.680	5210.080	5249.760	---	---
11AX80SISO	Ant2	5210	80.800	5169.840	5250.640	---	---

Test Graphs

11A_Ant2_5180



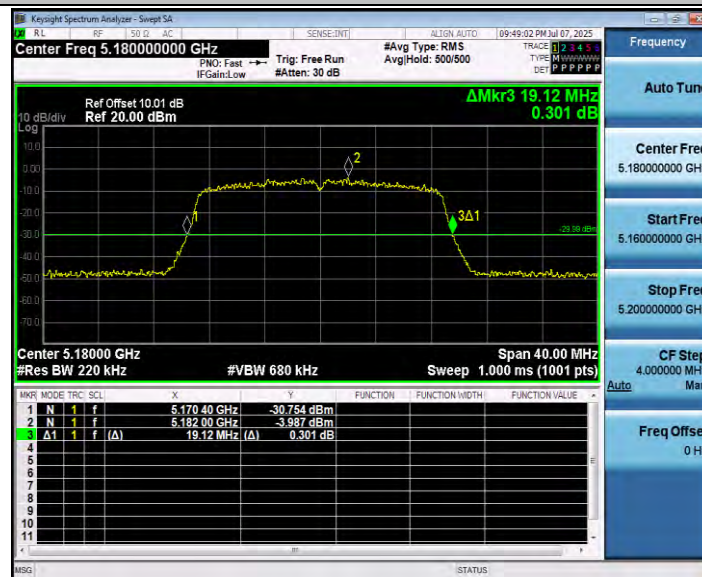
11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



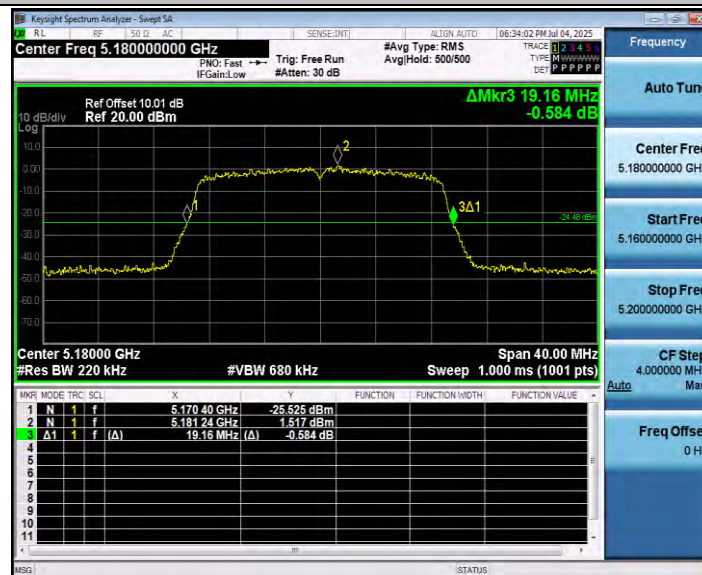
11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



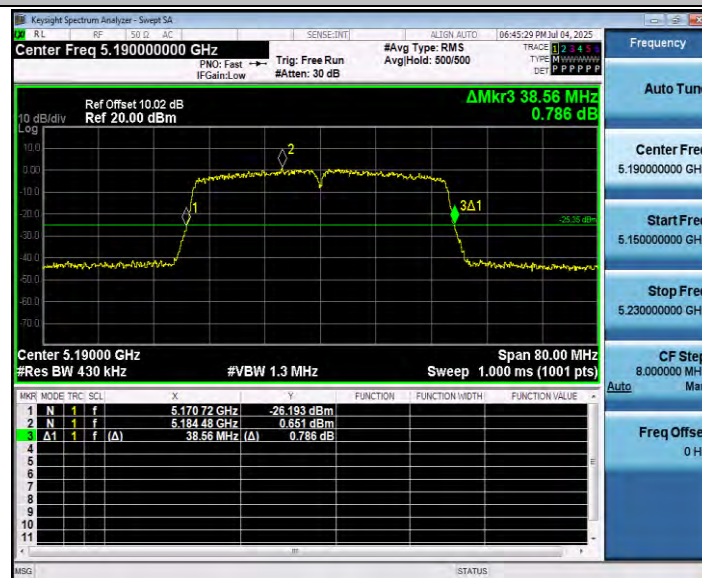
11AC20SISO_Ant2_5200



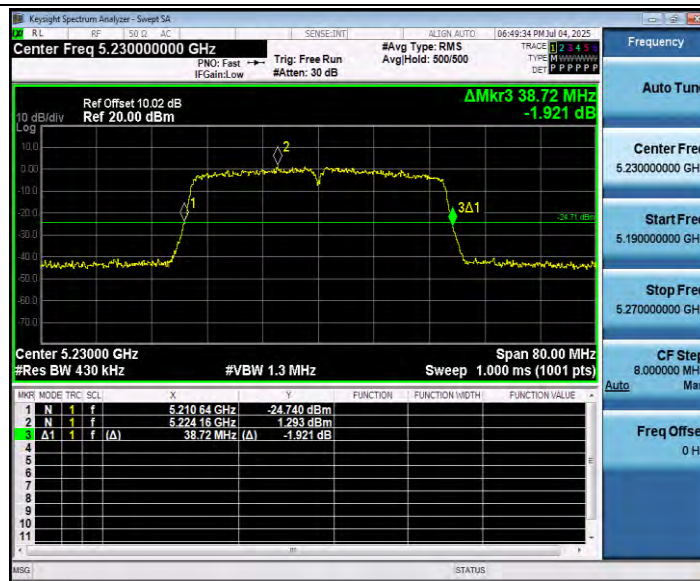
11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



11AX20SISO_Ant2_5180



11AX20SISO_Ant2_5200



11AX20SISO_Ant2_5240



11AX40SISO_Ant2_5190



11AX40ISO_Ant2_5230



11AX80ISO_Ant2_5210



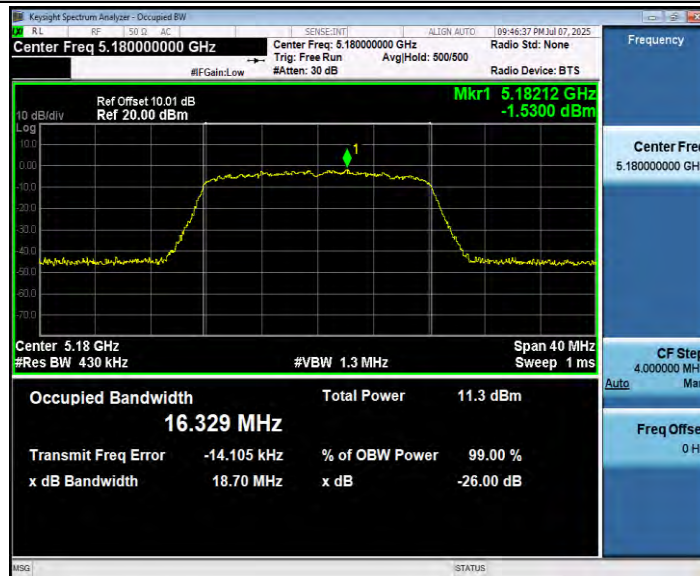
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	16.329	5171.8214	5188.1504	---	---
		5200	16.313	5191.8443	5208.1573	---	---
		5240	16.310	5231.8365	5248.1465	---	---
11N20SISO	Ant2	5180	17.375	5171.2844	5188.6594	---	---
		5200	17.368	5191.3048	5208.6728	---	---
		5240	17.373	5231.2921	5248.6651	---	---
11N40SISO	Ant2	5190	35.778	5172.1306	5207.9086	---	---
		5230	35.815	5212.0767	5247.8917	---	---
11AC20SISO	Ant2	5180	17.348	5171.3114	5188.6594	---	---
		5200	17.348	5191.3161	5208.6641	---	---
		5240	17.346	5231.3115	5248.6575	---	---
11AC40SISO	Ant2	5190	35.845	5172.0909	5207.9359	---	---
		5230	35.801	5212.0810	5247.8820	---	---
11AC80SISO	Ant2	5210	74.907	5172.6273	5247.5343	---	---
11AX20SISO	Ant2	5180	18.691	5170.6455	5189.3365	---	---
		5200	18.710	5190.6479	5209.3579	---	---
		5240	18.694	5230.6445	5249.3385	---	---
11AX40SISO	Ant2	5190	37.418	5171.2779	5208.6959	---	---
		5230	37.536	5211.2204	5248.7564	---	---
11AX80SISO	Ant2	5210	76.553	5171.7686	5248.3216	---	---

Test Graphs

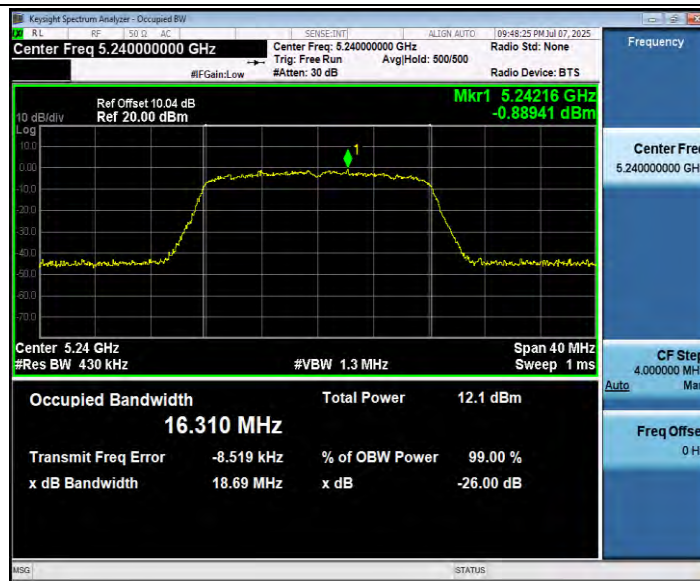
11A_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5180



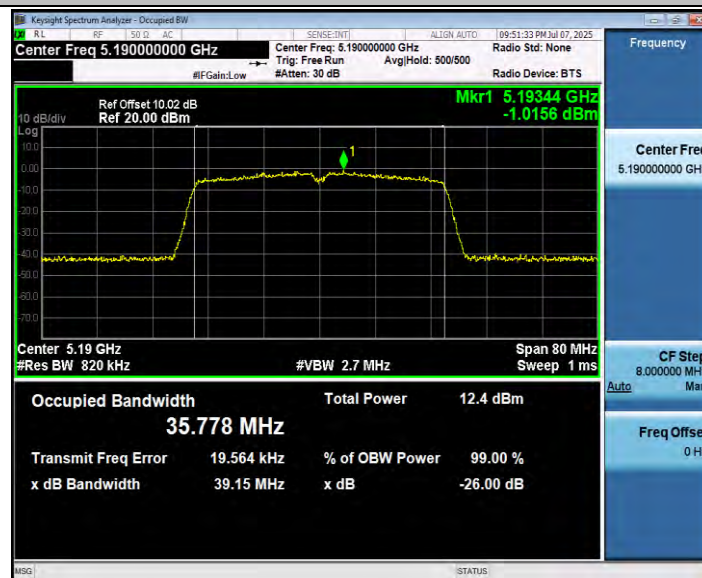
11N20SISO_Ant2_5200



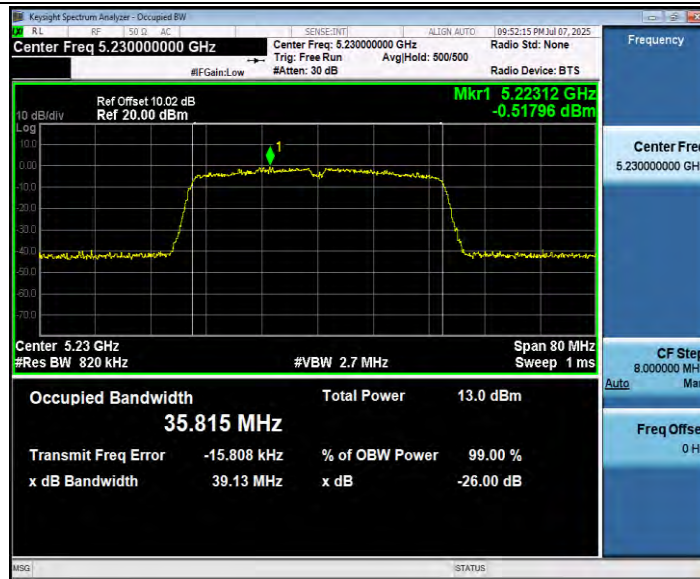
11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



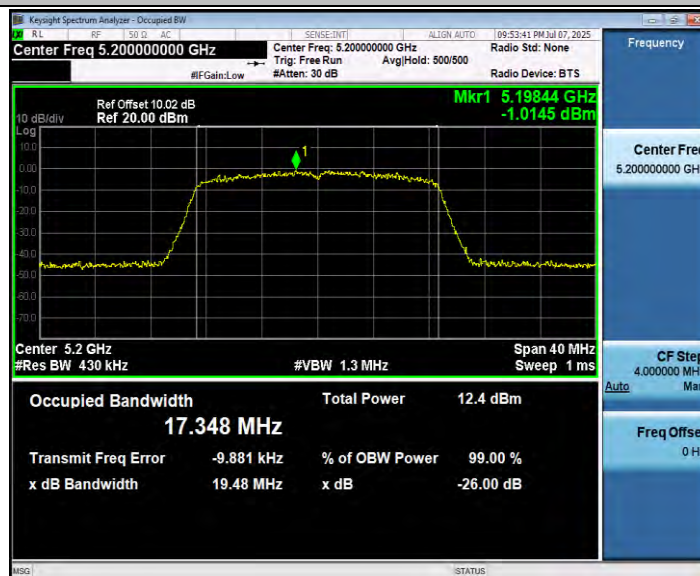
11N40SISO_Ant2_5230



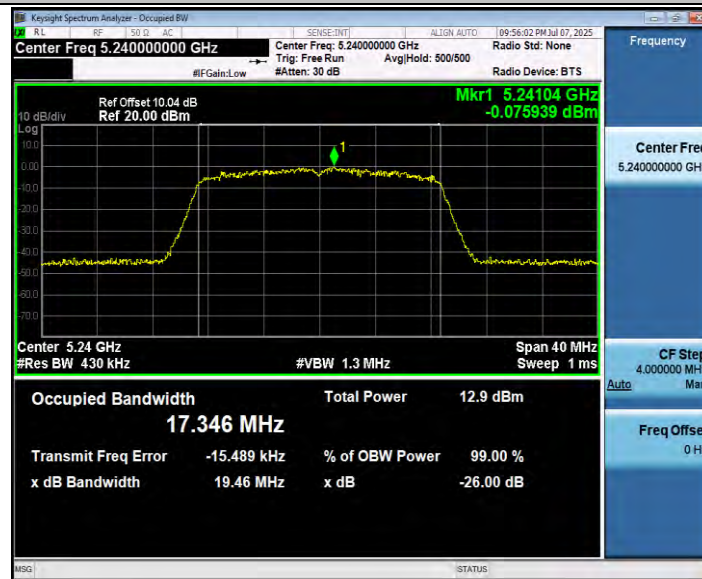
11AC20SISO_Ant2_5180



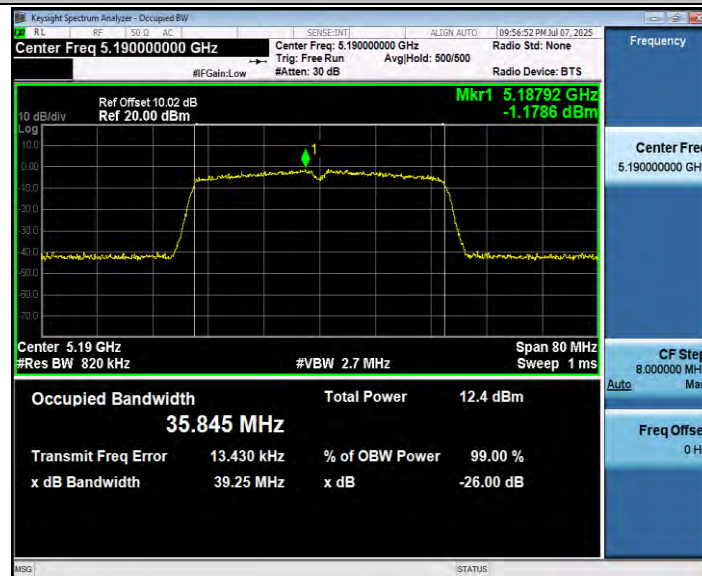
11AC20SISO_Ant2_5200



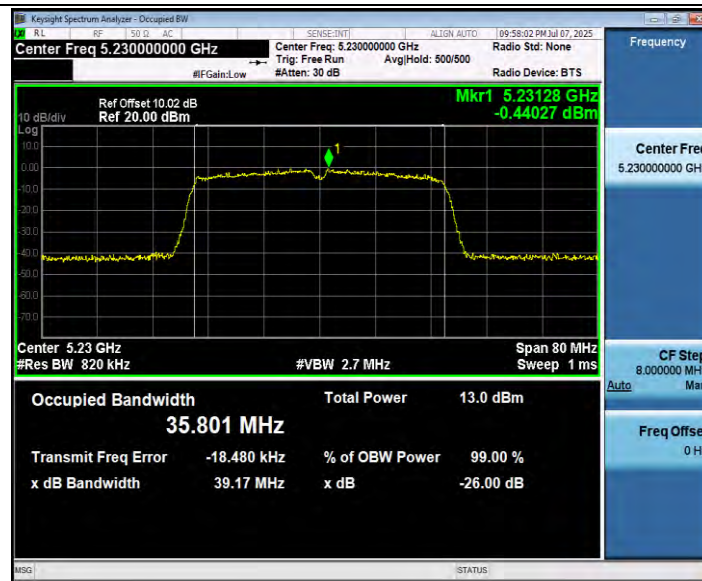
11AC20SISO_Ant2_5240



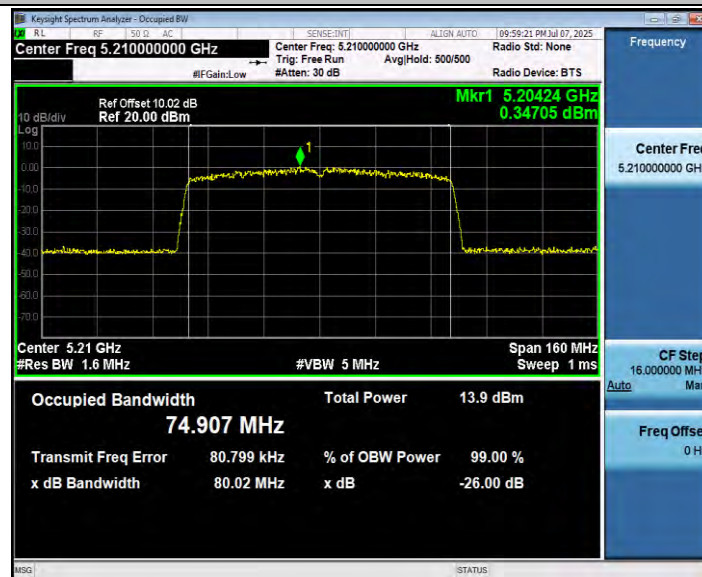
11AC40SISO_Ant2_5190



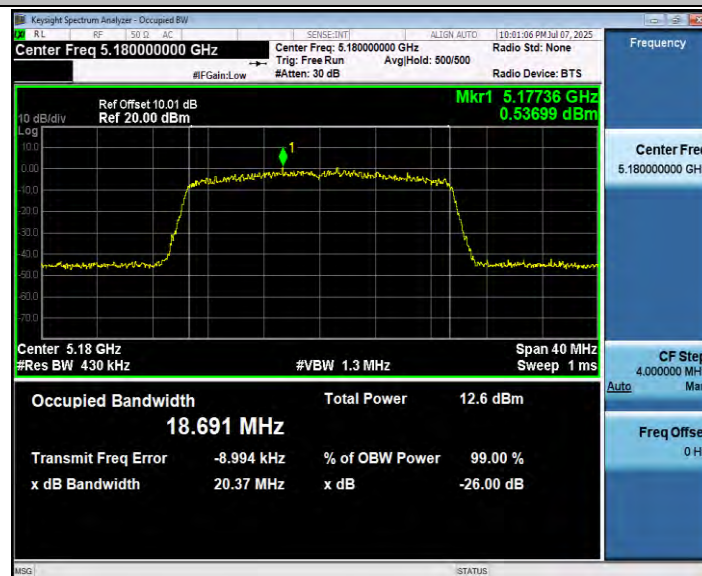
11AC40SISO_Ant2_5230



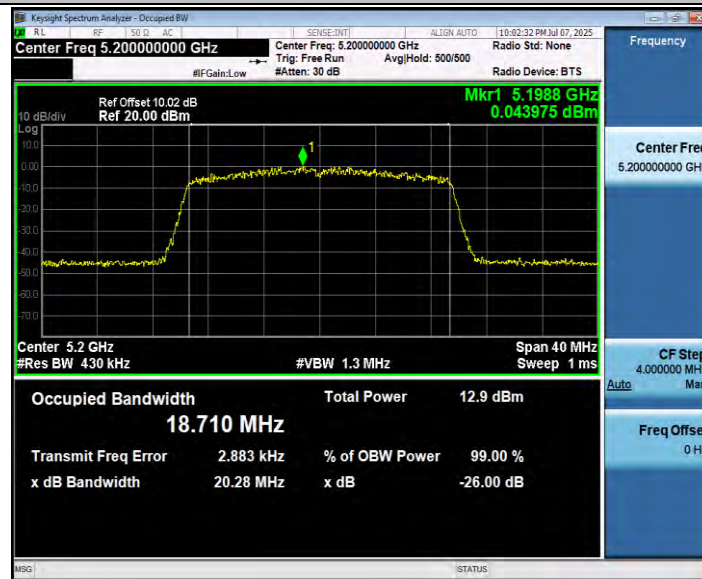
11AC80SISO_Ant2_5210



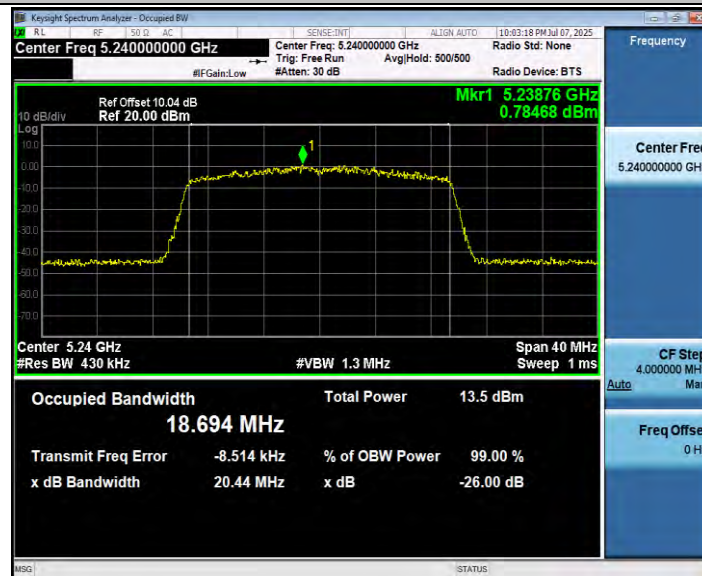
11AX20SISO_Ant2_5180



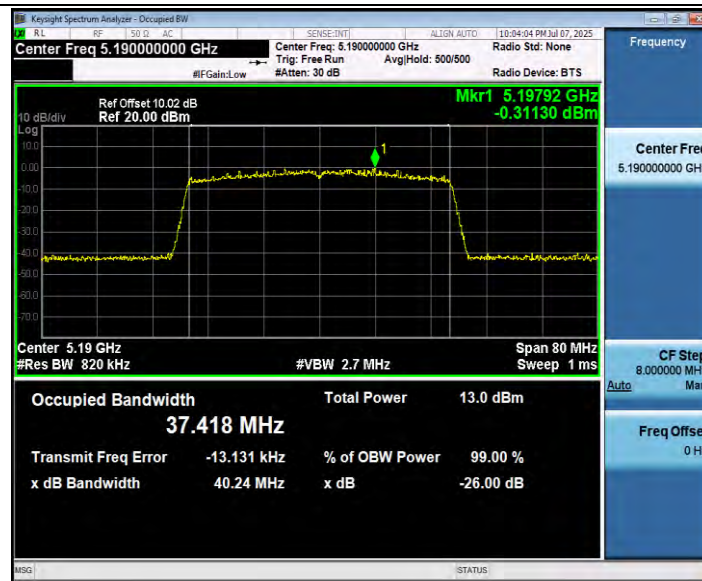
11AX20SISO_Ant2_5200



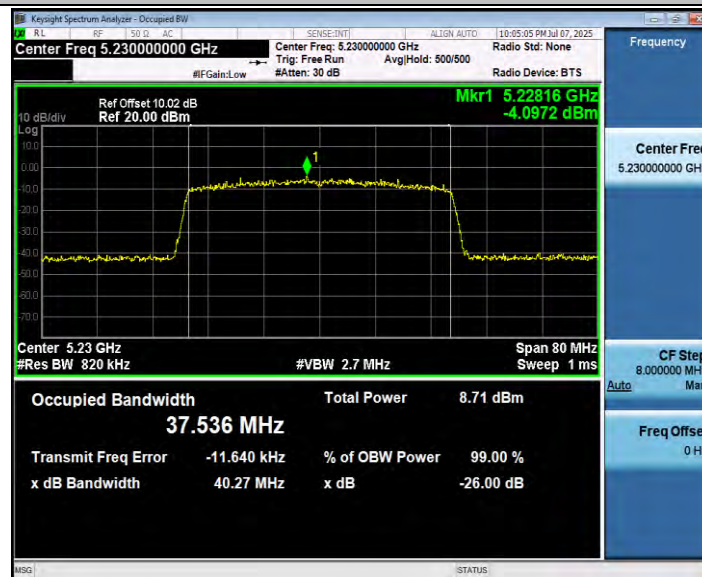
11AX20SISO_Ant2_5240



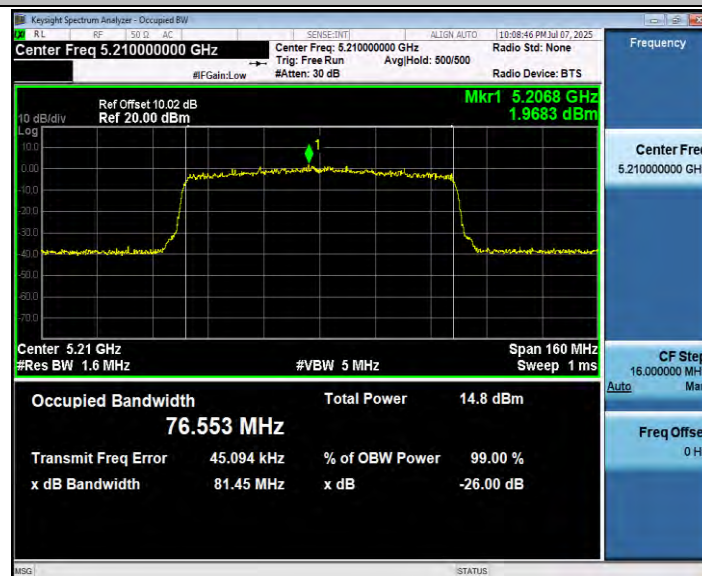
11AX40SISO_Ant2_5190



11AX40SISO_Ant2_5230



11AX80SISO_Ant2_5210

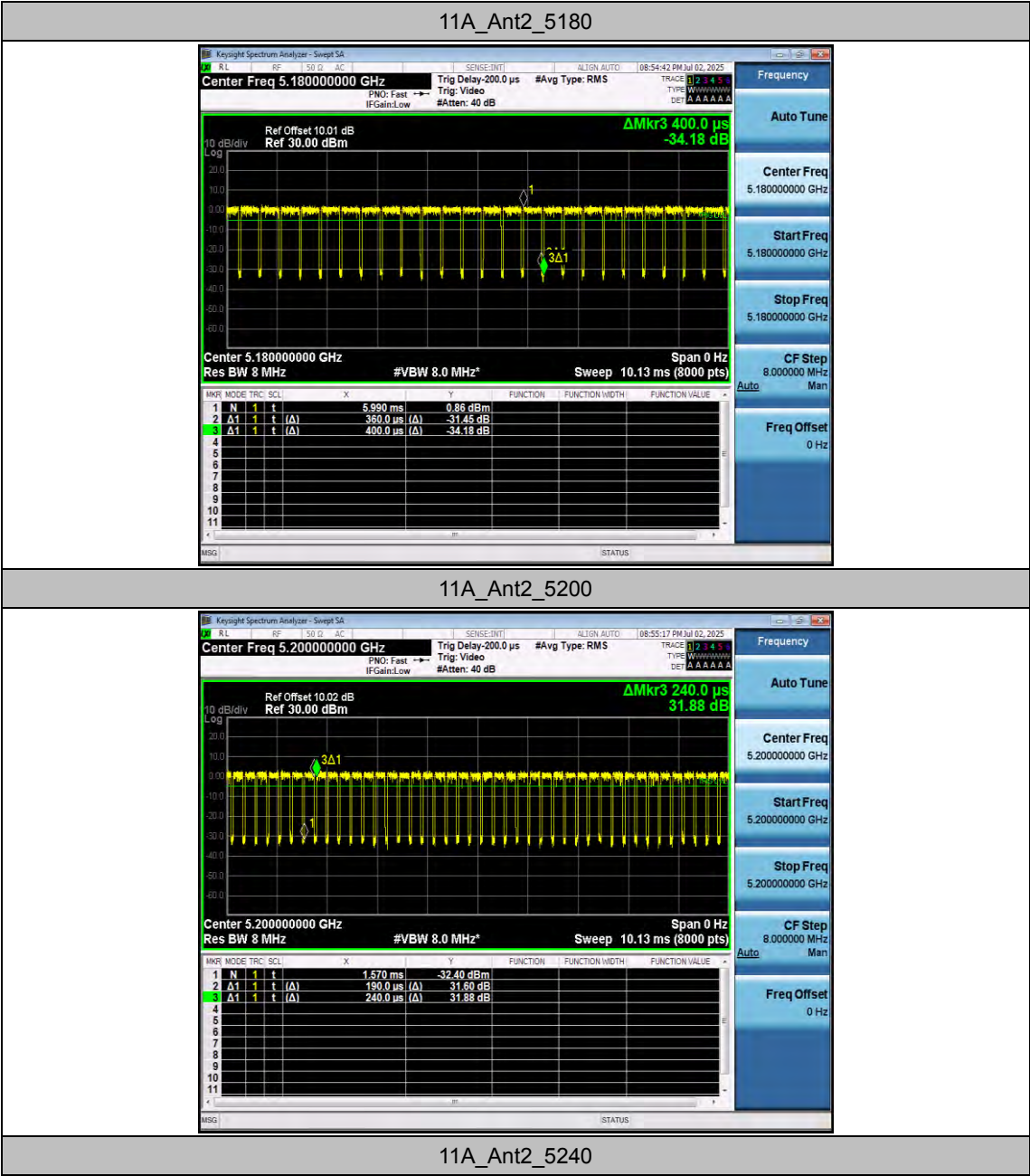


Appendix D.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	0.36	0.40	90.00	0.46	2.78
		5200	0.19	0.24	79.17	1.01	5.26
		5240	0.36	0.41	87.80	0.57	2.78
11N20SISO	Ant2	5180	0.37	0.42	88.10	0.55	2.70
		5200	0.37	0.42	88.10	0.55	2.70
		5240	0.37	0.42	88.10	0.55	2.70
11N40SISO	Ant2	5190	0.38	0.43	88.37	0.54	2.63
		5230	0.38	0.43	88.37	0.54	2.63
11AC20SISO	Ant2	5180	0.36	0.40	90.00	0.46	2.78
		5200	0.36	0.41	87.80	0.57	2.78
		5240	0.36	0.41	87.80	0.57	2.78
11AC40SISO	Ant2	5190	0.37	0.41	90.24	0.45	2.70
		5230	0.36	0.41	87.80	0.57	2.78
11AC80SISO	Ant2	5210	0.37	0.41	90.24	0.45	2.70
11AX20SISO	Ant2	5180	0.37	0.41	90.24	0.45	2.70
		5200	0.37	0.42	88.10	0.55	2.70
		5240	0.37	0.42	88.10	0.55	2.70
11AX40SISO	Ant2	5190	0.37	0.42	88.10	0.55	2.70
		5230	0.37	0.42	88.10	0.55	2.70
11AX80SISO	Ant2	5210	0.38	0.43	88.37	0.54	2.63

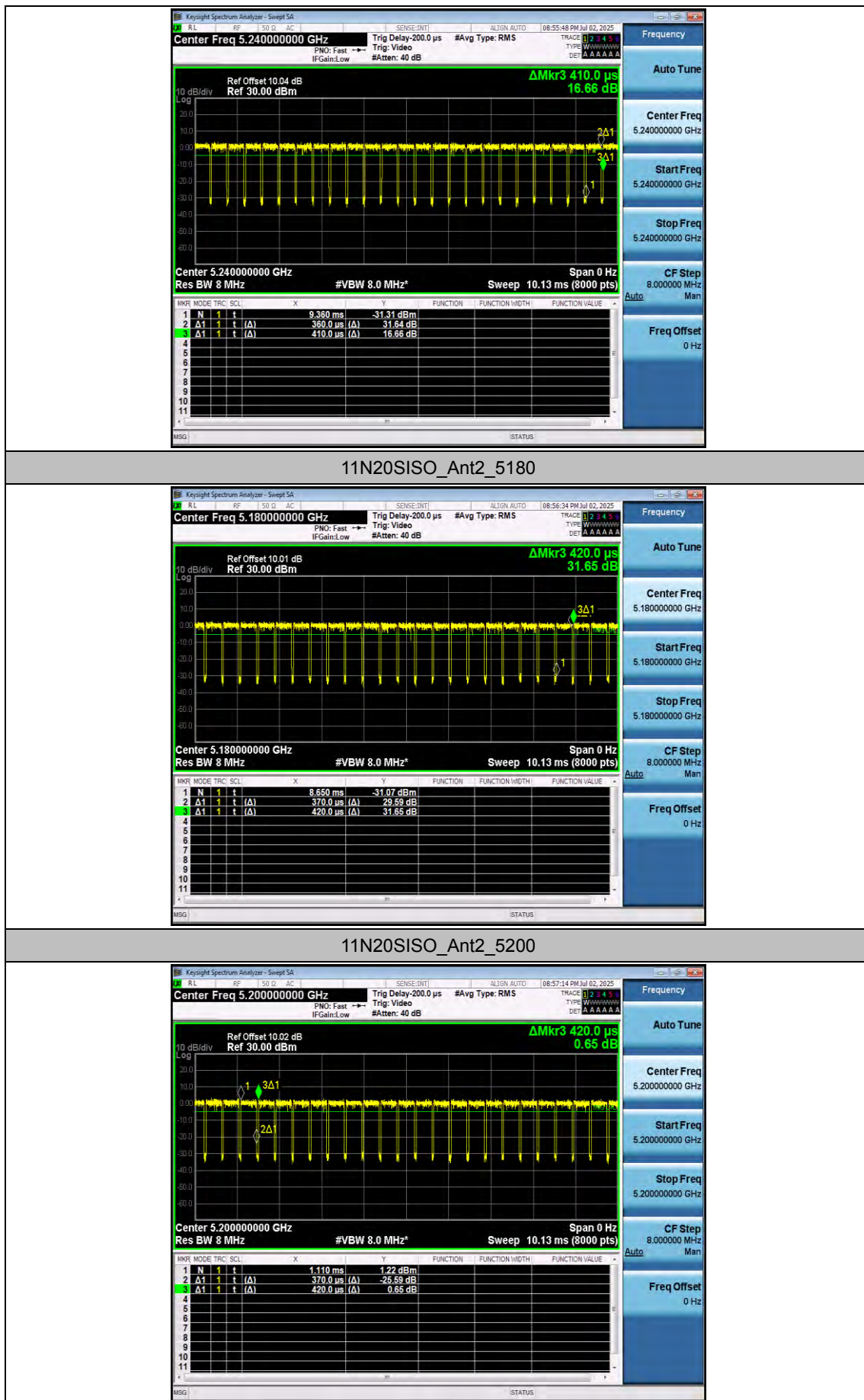
Test Graphs



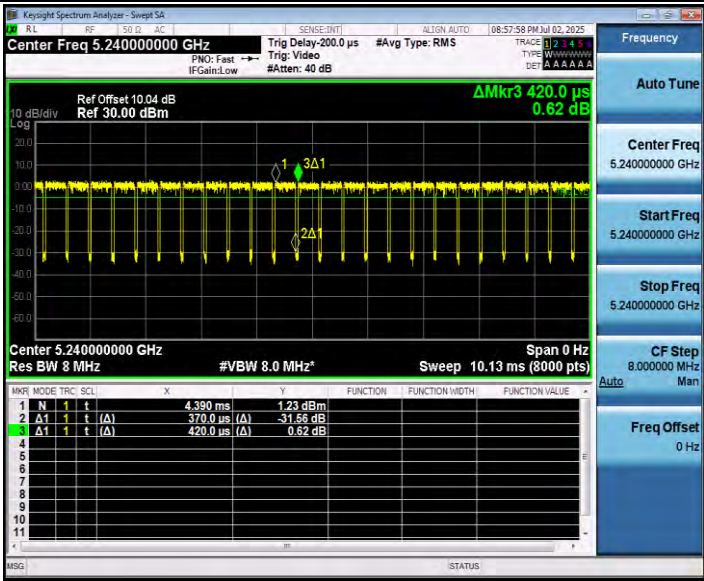
11A_Ant2_5200

Frequency
Auto Tune
Center Freq 5.200000000 GHz
Start Freq 5.200000000 GHz
Stop Freq 5.200000000 GHz
CF Step 8.0000000 MHz
Freq Offset 0 Hz

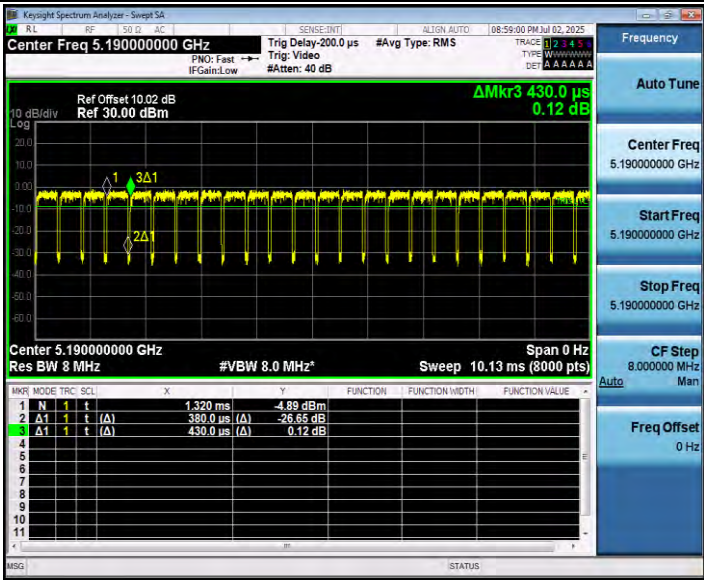
11A_Ant2_5240



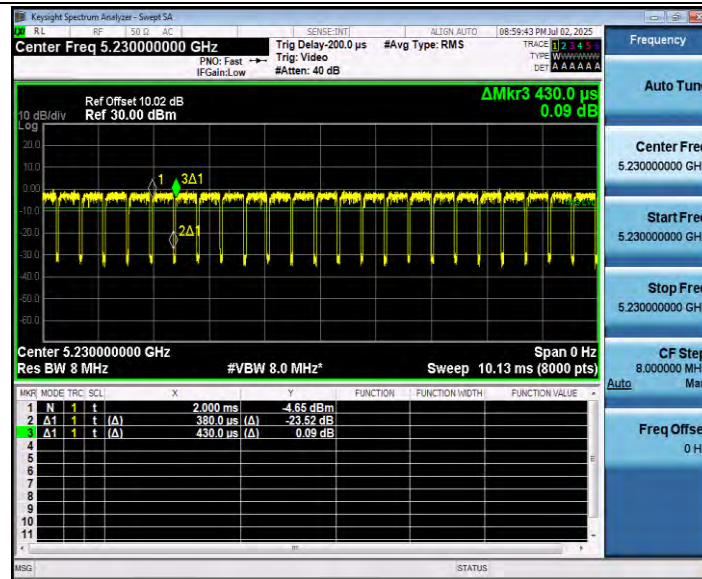
11N20SISO_Ant2_5240



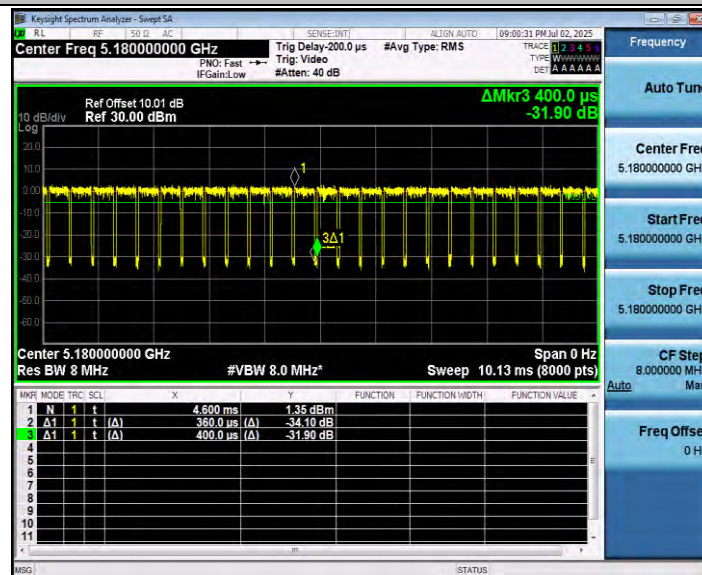
11N40SISO_Ant2_5190



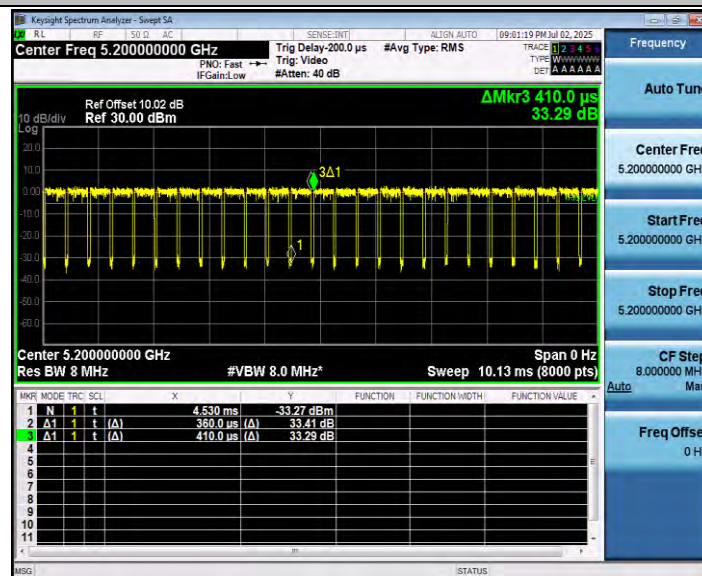
11N40SISO_Ant2_5230

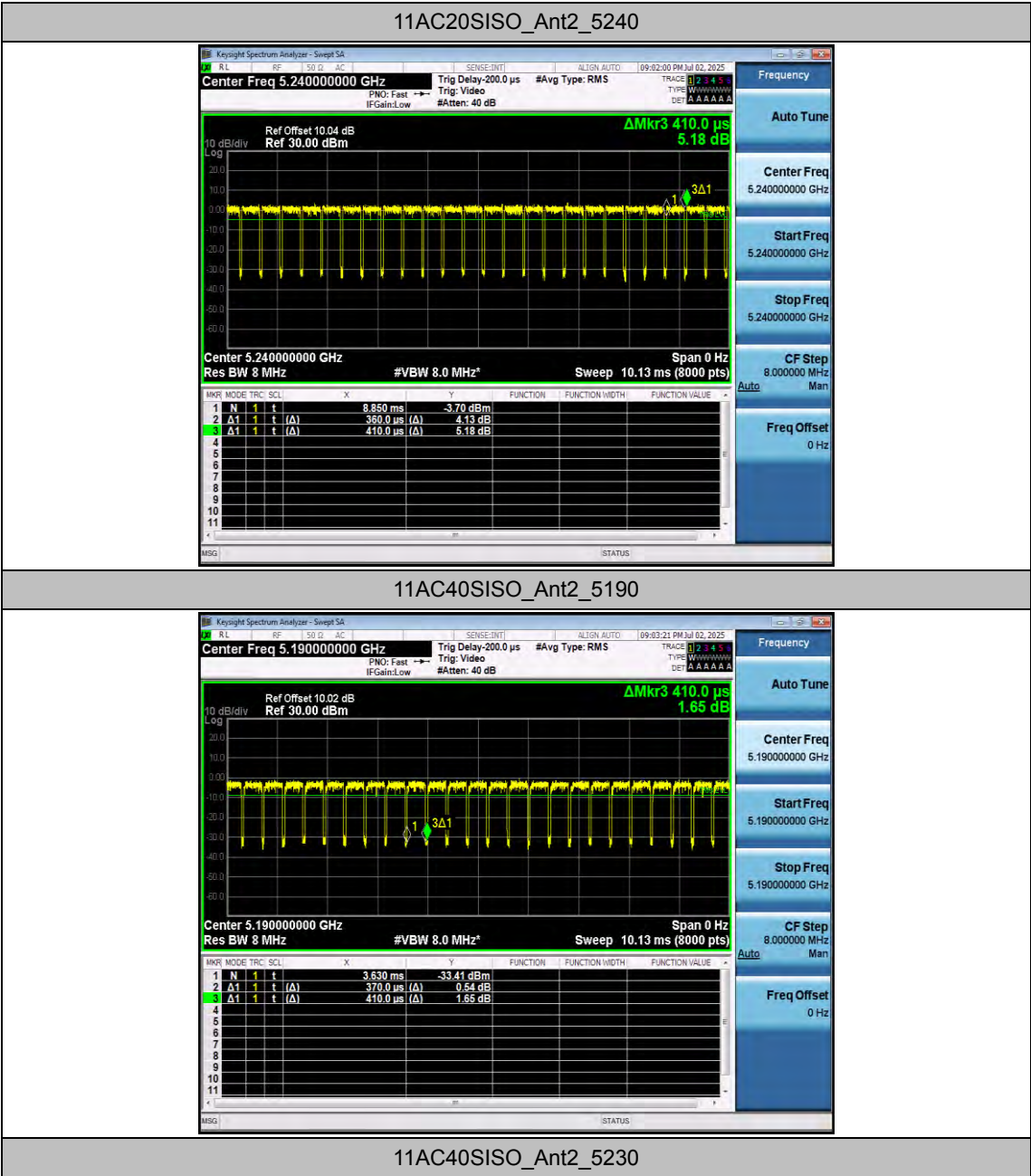


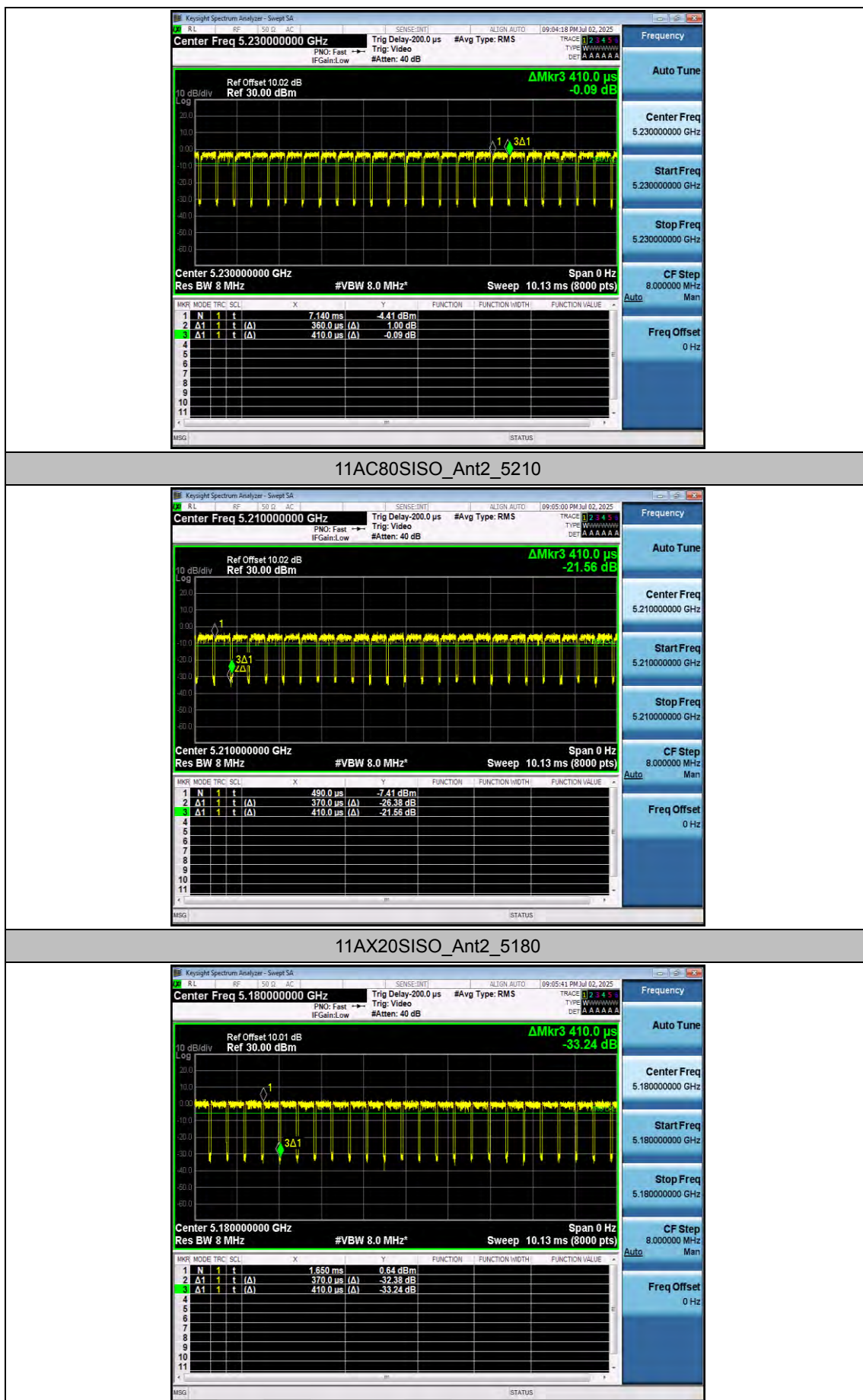
11AC20SISO_Ant2_5180



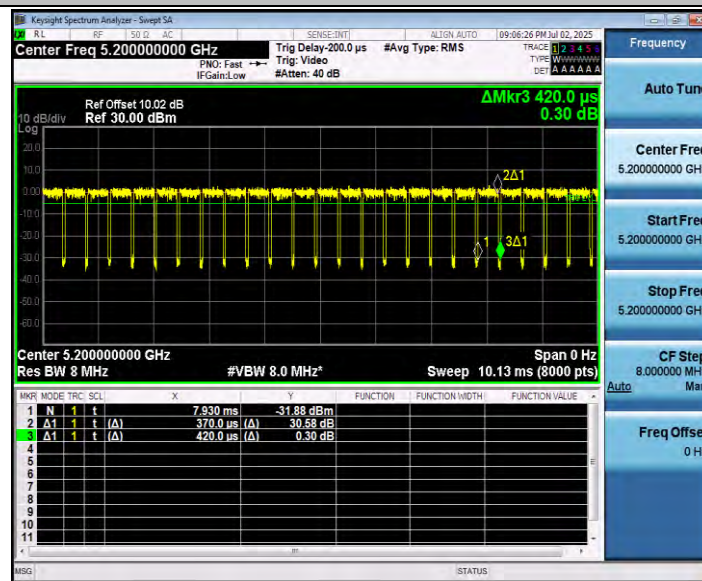
11AC20SISO_Ant2_5200



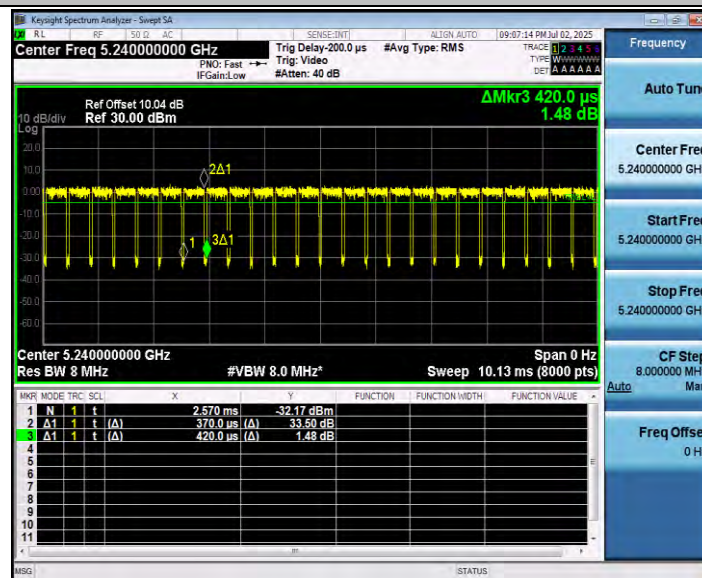




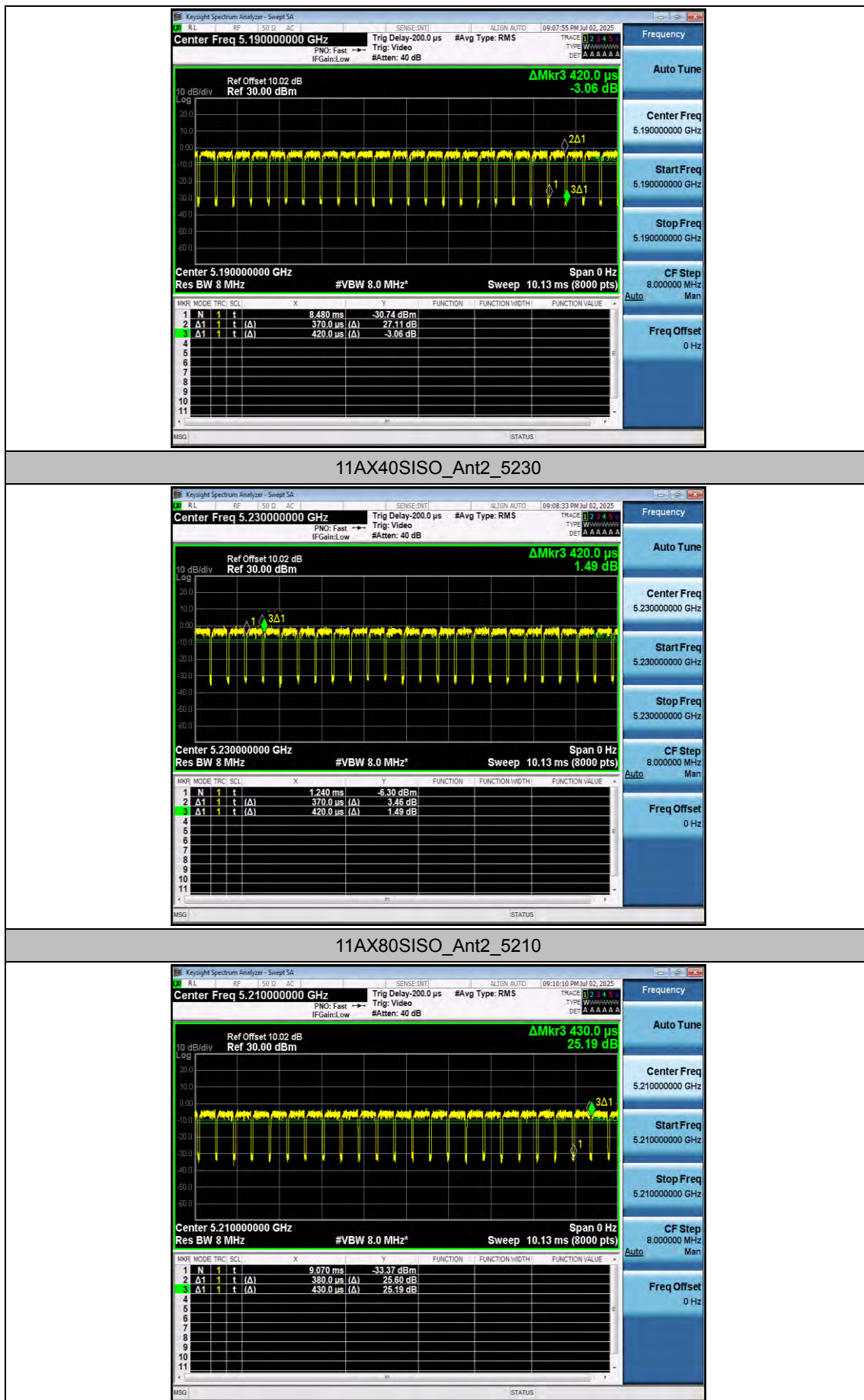
11AX20SISO_Ant2_5200



11AX20SISO_Ant2_5240



11AX40SISO_Ant2_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	Ant2	5180	4.47	90.00	0.46	4.93	≤23.98	PASS
		5200	4.24	79.17	1.01	5.25	≤23.98	PASS
		5240	4.52	87.80	0.57	5.09	≤23.98	PASS
11N20SISO	Ant2	5180	4.46	88.10	0.55	5.01	≤23.98	PASS
		5200	4.96	88.10	0.55	5.51	≤23.98	PASS
		5240	5.20	88.10	0.55	5.75	≤23.98	PASS
11N40SISO	Ant2	5190	3.88	88.37	0.54	4.42	≤23.98	PASS
		5230	5.13	88.37	0.54	5.67	≤23.98	PASS
11AC20SISO	Ant2	5180	4.36	90.00	0.46	4.82	≤23.98	PASS
		5200	4.82	87.80	0.57	5.39	≤23.98	PASS
		5240	5.37	87.80	0.57	5.94	≤23.98	PASS
11AC40SISO	Ant2	5190	3.73	90.24	0.45	4.18	≤23.98	PASS
		5230	4.69	87.80	0.57	5.26	≤23.98	PASS
11AC80SISO	Ant2	5210	4.82	90.24	0.45	5.27	≤23.98	PASS
11AX20SISO	Ant2	5180	3.66	90.24	0.45	4.11	≤23.98	PASS
		5200	4.46	88.10	0.55	5.01	≤23.98	PASS
		5240	3.97	88.10	0.55	4.52	≤23.98	PASS
11AX40SISO	Ant2	5190	6.32	88.10	0.55	6.87	≤23.98	PASS
		5230	5.23	88.10	0.55	5.78	≤23.98	PASS
11AX80SISO	Ant2	5210	5.38	88.37	0.54	5.92	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5180	-8.45	≤11.00	PASS
		5200	-7.61	≤11.00	PASS
		5240	-7.31	≤11.00	PASS
11N20SISO	Ant2	5180	-8.25	≤11.00	PASS
		5200	-7.86	≤11.00	PASS
		5240	-7.64	≤11.00	PASS
11N40SISO	Ant2	5190	-10.96	≤11.00	PASS
		5230	-10.77	≤11.00	PASS
11AC20SISO	Ant2	5180	-8.28	≤11.00	PASS
		5200	-7.84	≤11.00	PASS
		5240	-7.53	≤11.00	PASS
11AC40SISO	Ant2	5190	-11.18	≤11.00	PASS
		5230	-10.77	≤11.00	PASS
11AC80SISO	Ant2	5210	-14.05	≤11.00	PASS
11AX20SISO	Ant2	5180	-8.61	≤11.00	PASS
		5200	-8.20	≤11.00	PASS
		5240	-7.90	≤11.00	PASS
11AX40SISO	Ant2	5190	-11.40	≤11.00	PASS
		5230	-11.15	≤11.00	PASS
11AX80SISO	Ant2	5210	-14.27	≤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_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5180



11N20SISO_Ant2_5200



11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



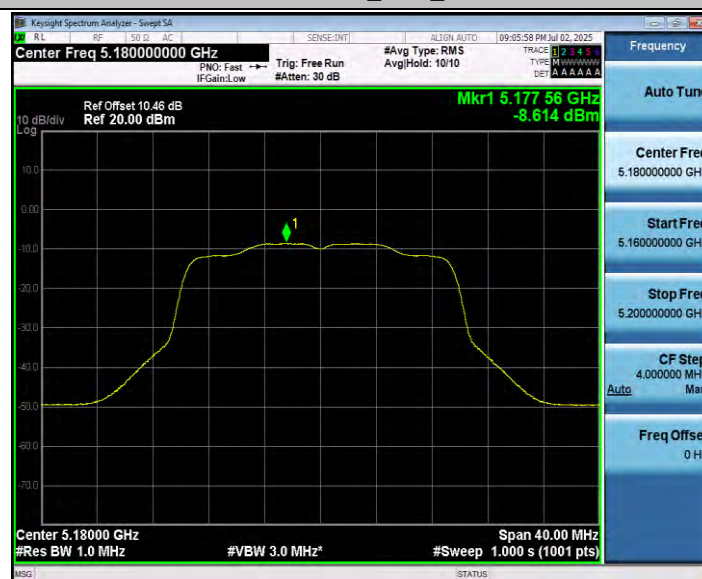
11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



11AX20SISO_Ant2_5180



11AX20SISO_Ant2_5200



11AX20SISO_Ant2_5240



11AX40SISO_Ant2_5190



11AX40ISO_Ant2_5230



11AX80ISO_Ant2_5210

