

Case No. : <u>GTS20250516011-2-11</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.6.13-2025.7.8</u>	Test Engineer: <u>Evan ouyang</u>

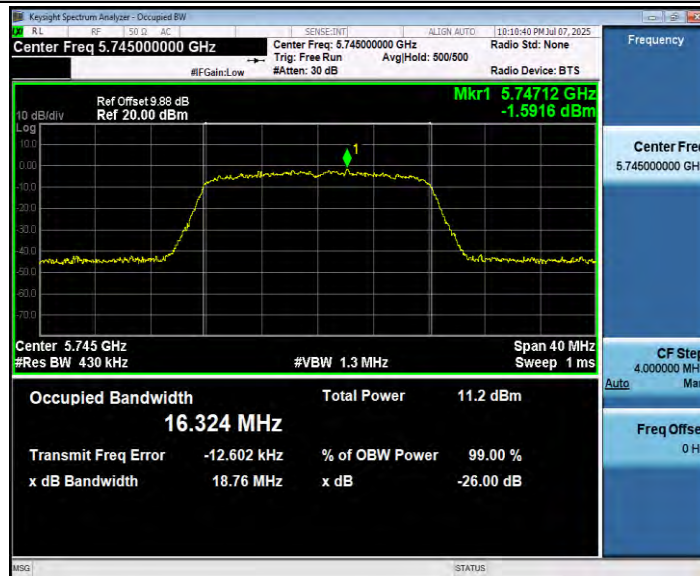
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	16.324	5736.8254	5753.1494	---	---
		5785	16.302	5776.8381	5793.1401	---	---
		5825	16.311	5816.8407	5833.1517	---	---
11N20SISO	Ant2	5745	17.384	5736.2921	5753.6761	---	---
		5785	17.357	5776.3049	5793.6619	---	---
		5825	17.383	5816.2961	5833.6791	---	---
11N40SISO	Ant2	5755	35.806	5737.1135	5772.9195	---	---
		5795	35.752	5777.1475	5812.8995	---	---
11AC20SISO	Ant2	5745	17.359	5736.3015	5753.6605	---	---
		5785	17.365	5776.3063	5793.6713	---	---
		5825	17.376	5816.2957	5833.6717	---	---
11AC40SISO	Ant2	5755	35.824	5737.1257	5772.9497	---	---
		5795	35.805	5777.1250	5812.9300	---	---
11AC80SISO	Ant2	5775	75.016	5737.6254	5812.6414	---	---
11AX20SISO	Ant2	5745	18.728	5735.6357	5754.3637	---	---
		5785	18.702	5775.6324	5794.3344	---	---
		5825	18.713	5815.6276	5834.3406	---	---
11AX40SISO	Ant2	5755	37.501	5736.2672	5773.7682	---	---
		5795	37.544	5776.2762	5813.8202	---	---
11AX80SISO	Ant2	5775	76.853	5736.8053	5813.6583	---	---

Test Graphs

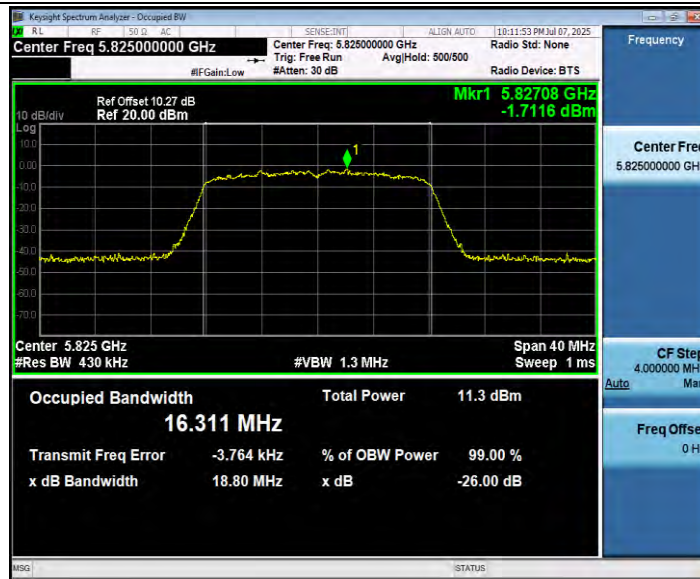
11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



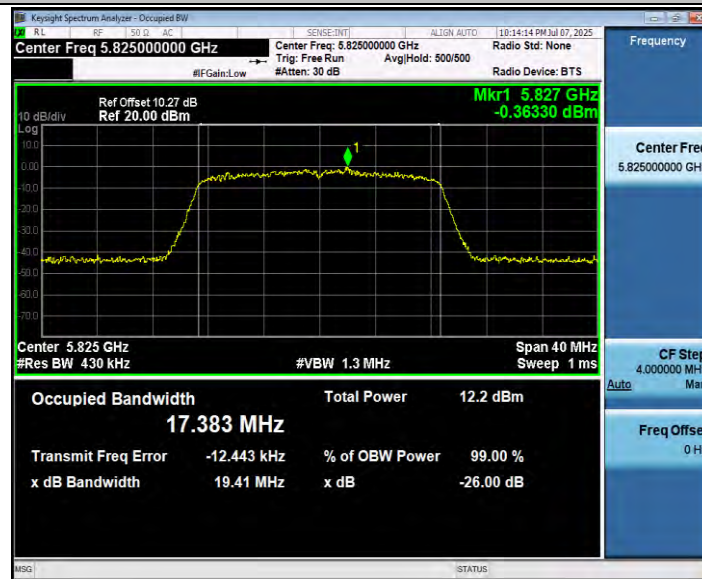
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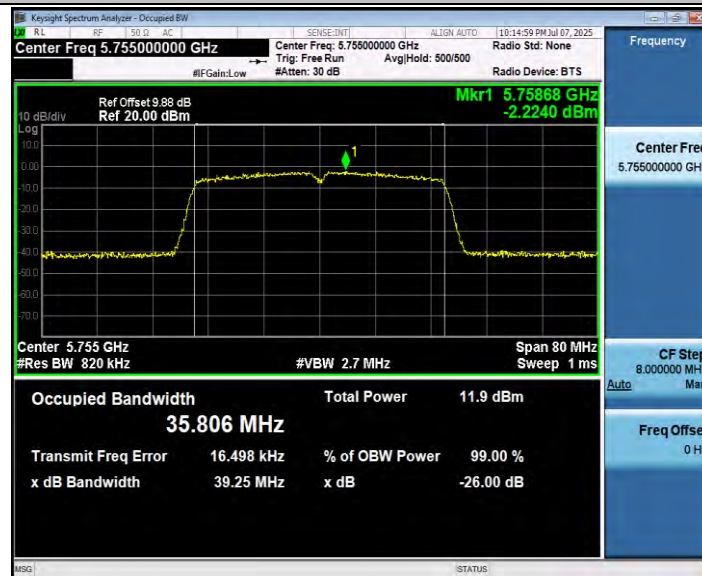
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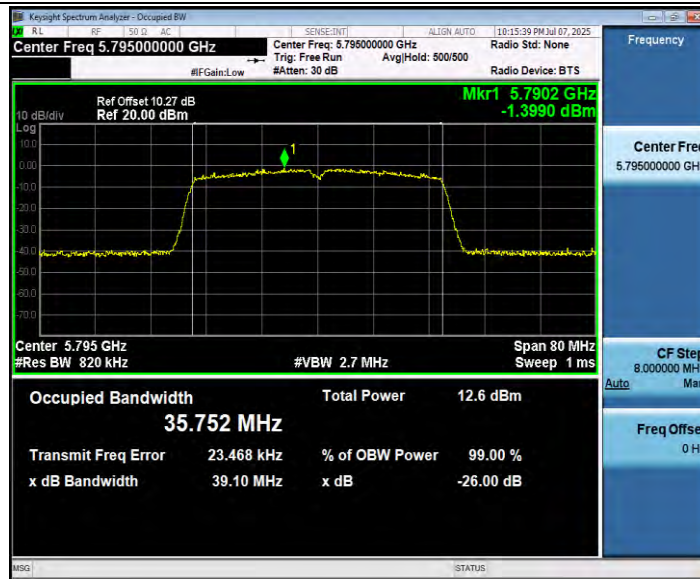
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



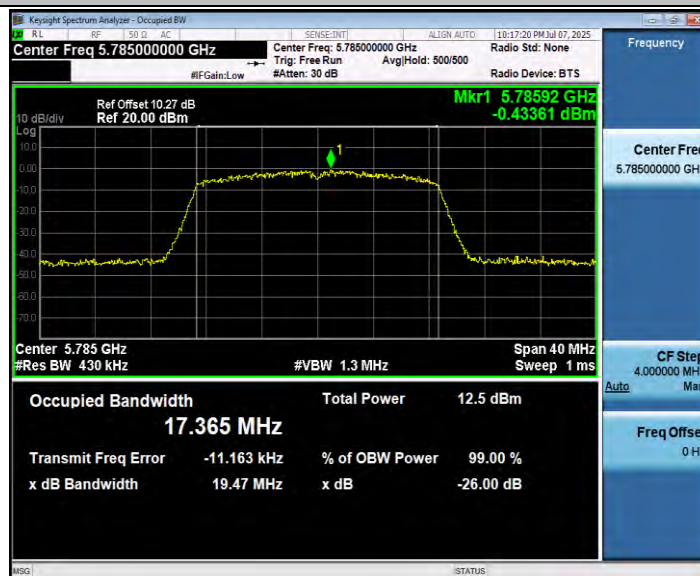
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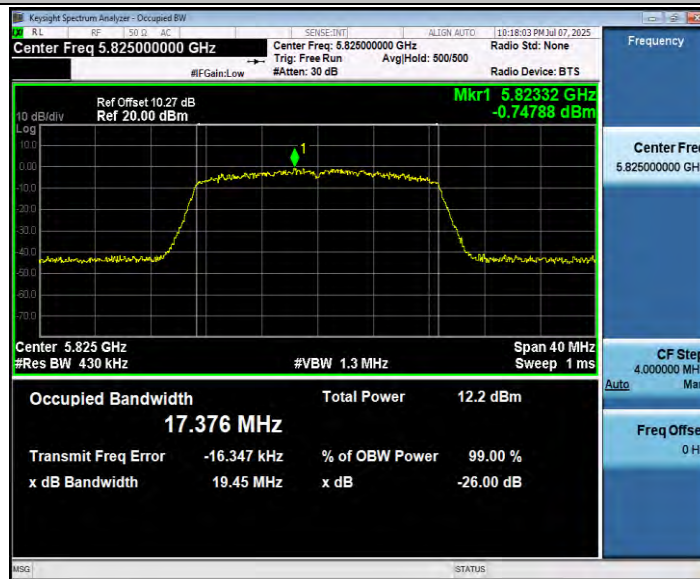
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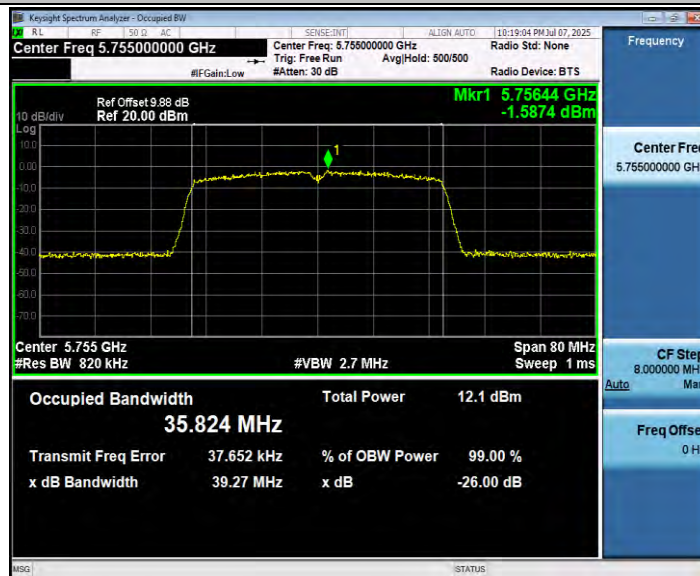
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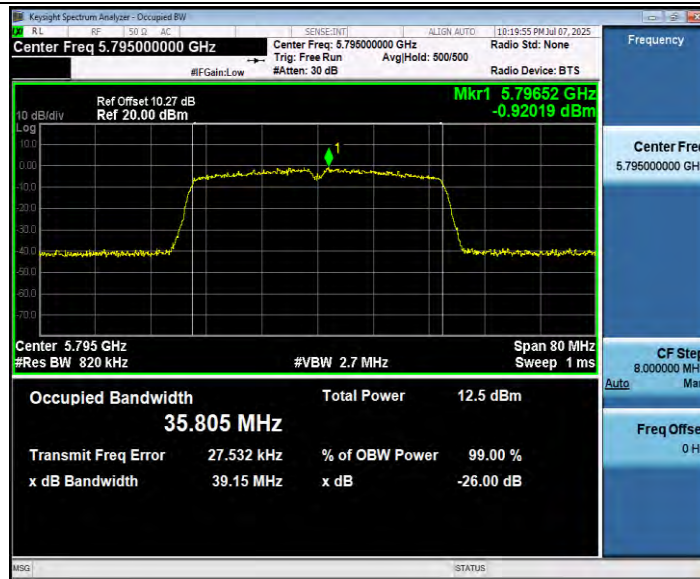
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



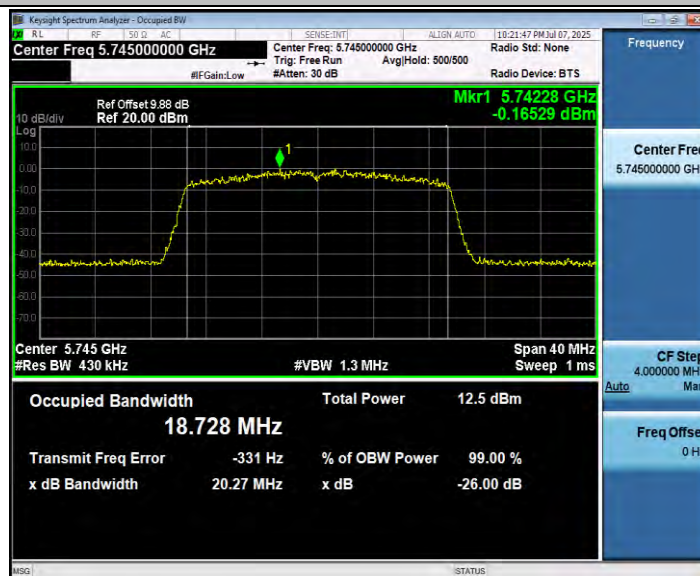
11AC40SISO_Ant2_5795



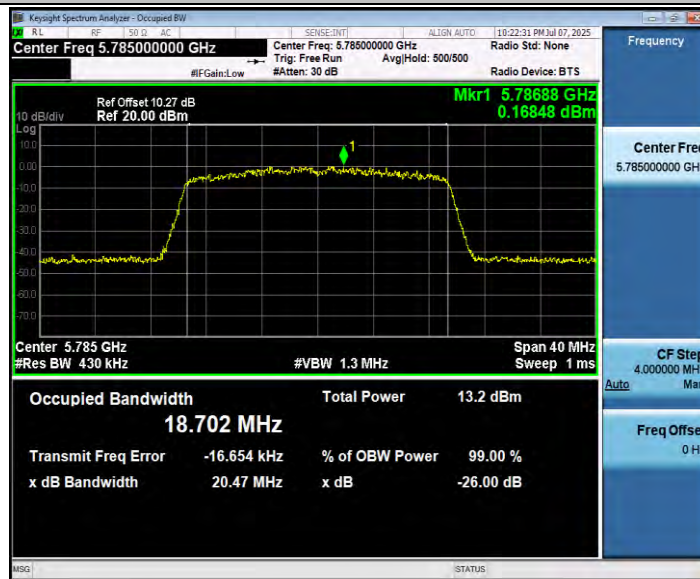
11AC80SISO_Ant2_5775



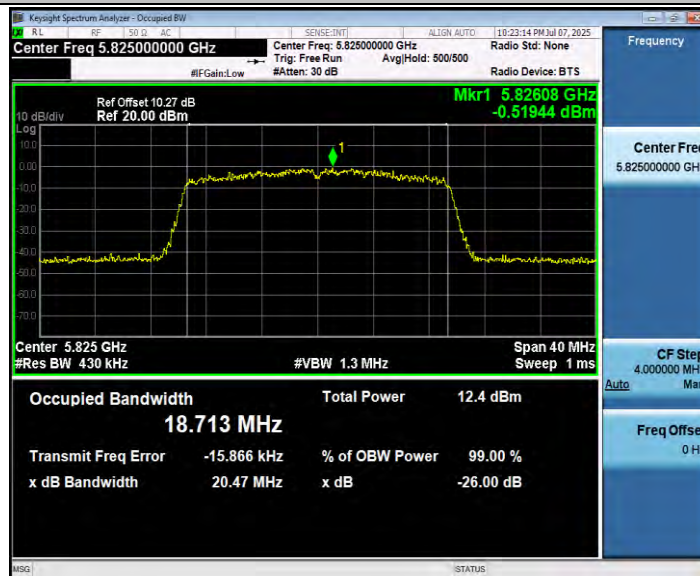
11AX20SISO_Ant2_5745



11AX20SISO_Ant2_5785



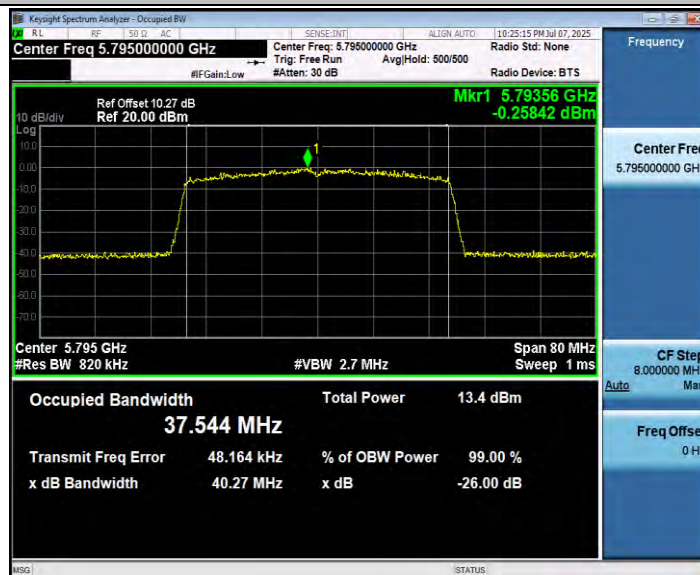
11AX20SISO_Ant2_5825



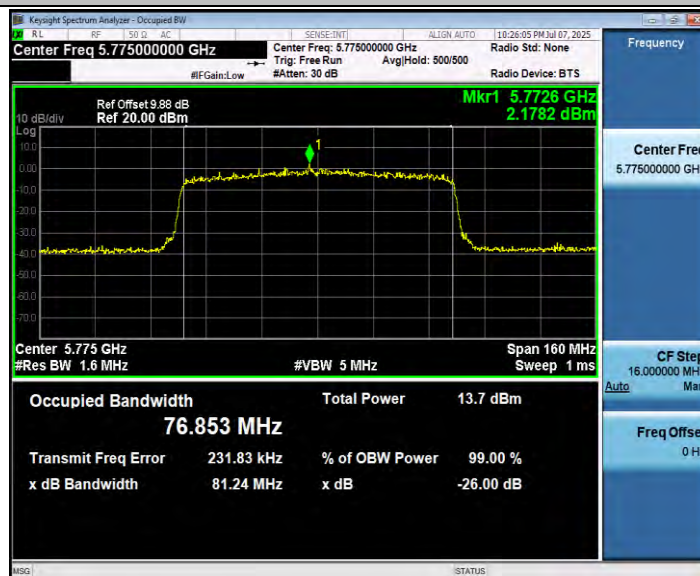
11AX40SISO_Ant2_5755



11AX40ISO_Ant2_5795



11AX80ISO_Ant2_5775



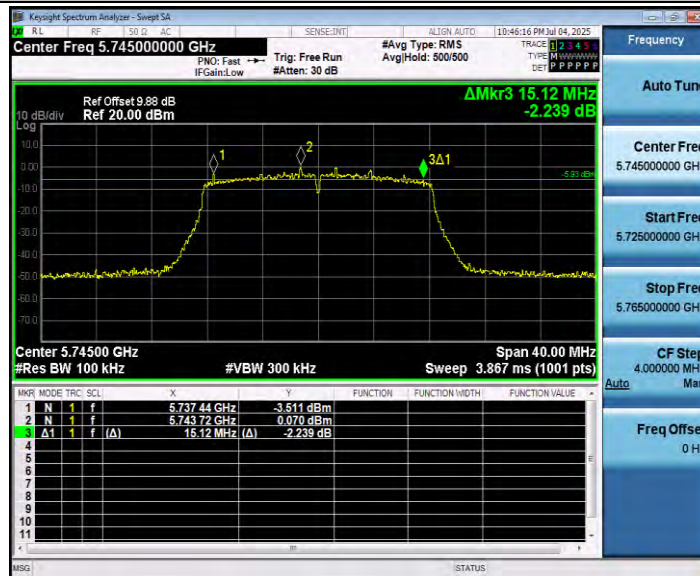
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	14.600	5777.880	5792.480	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N20SISO	Ant2	5745	15.160	5737.400	5752.560	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N40SISO	Ant2	5755	34.960	5737.560	5772.520	0.5	PASS
		5795	32.560	5779.960	5812.520	0.5	PASS
11AC20SISO	Ant2	5745	15.040	5737.480	5752.520	0.5	PASS
		5785	15.560	5777.360	5792.920	0.5	PASS
		5825	12.520	5818.680	5831.200	0.5	PASS
11AC40SISO	Ant2	5755	34.400	5737.400	5771.800	0.5	PASS
		5795	32.560	5779.960	5812.520	0.5	PASS
11AC80SISO	Ant2	5775	73.920	5737.400	5811.320	0.5	PASS
11AX20SISO	Ant2	5745	15.160	5737.440	5752.600	0.5	PASS
		5785	16.160	5777.280	5793.440	0.5	PASS
		5825	18.160	5816.000	5834.160	0.5	PASS
11AX40SISO	Ant2	5755	34.560	5738.200	5772.760	0.5	PASS
		5795	34.240	5778.360	5812.600	0.5	PASS
11AX80SISO	Ant2	5775	71.200	5741.240	5812.440	0.5	PASS

Test Graphs B4

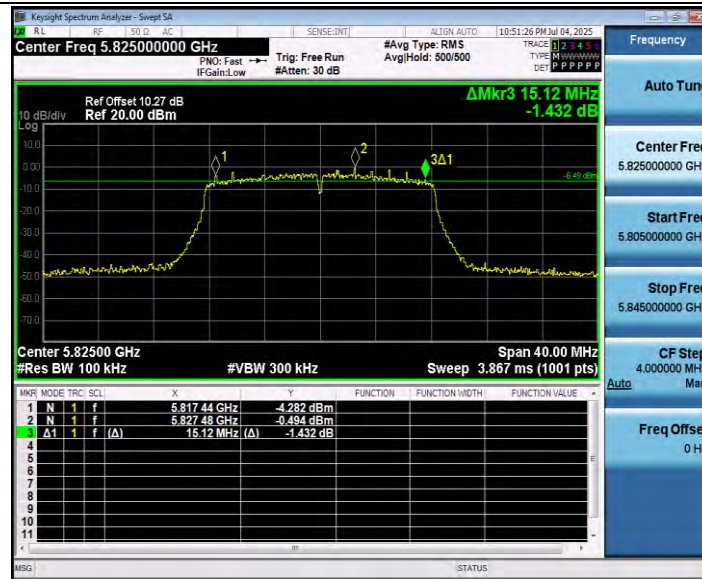
11A_Ant2_5745



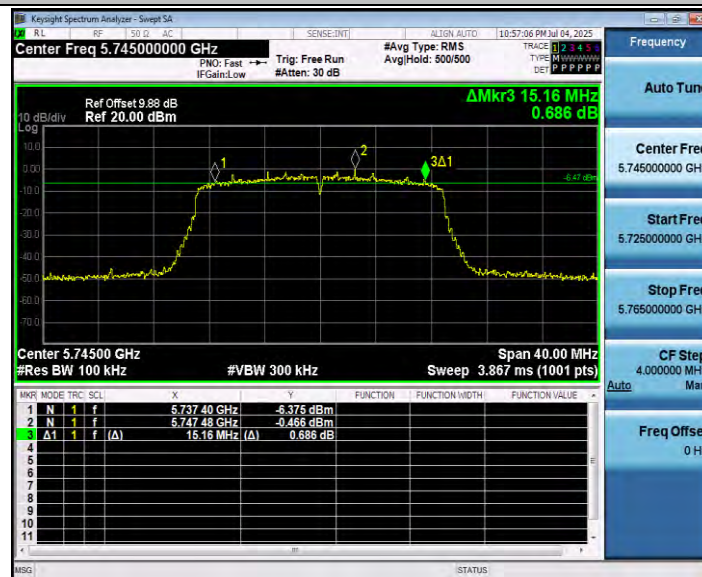
11A_Ant2_5785



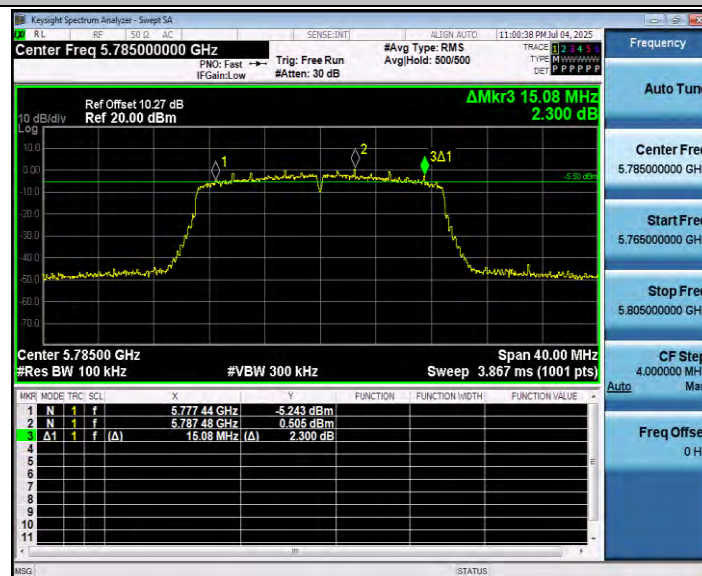
11A_Ant2_5825



11N20SISO_Ant2_5745



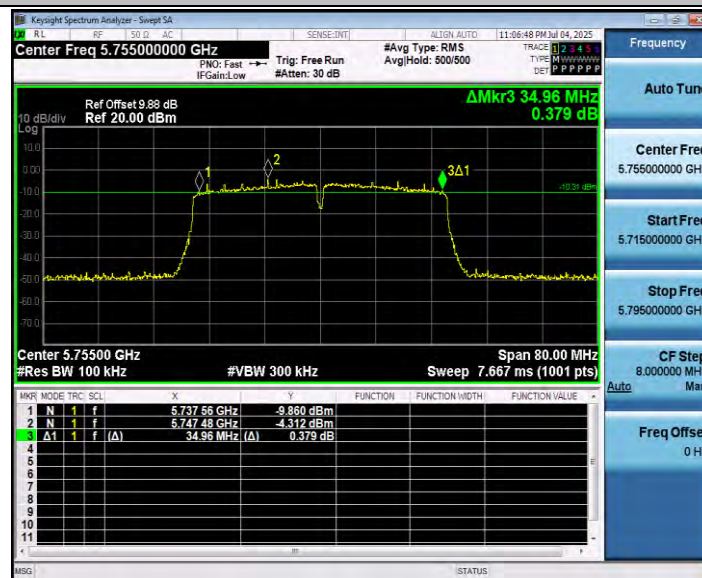
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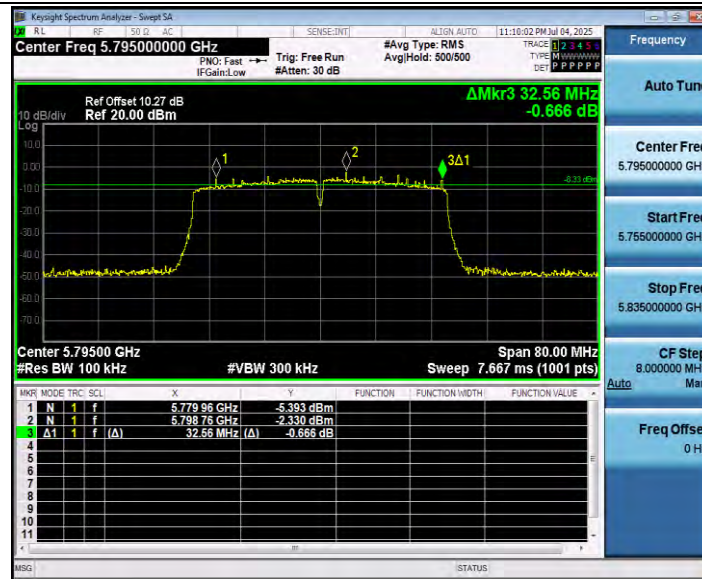
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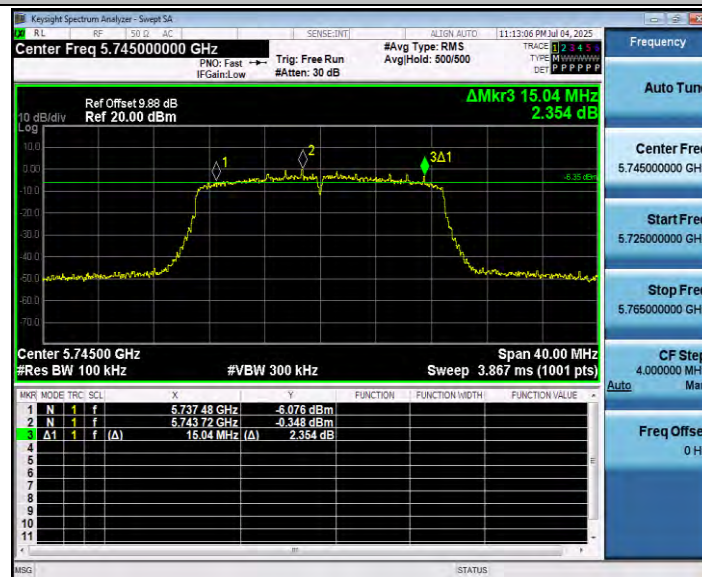
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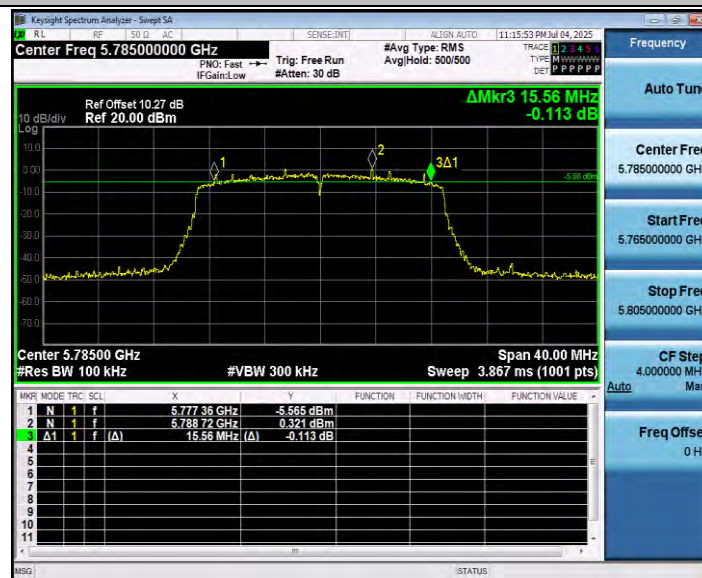
11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



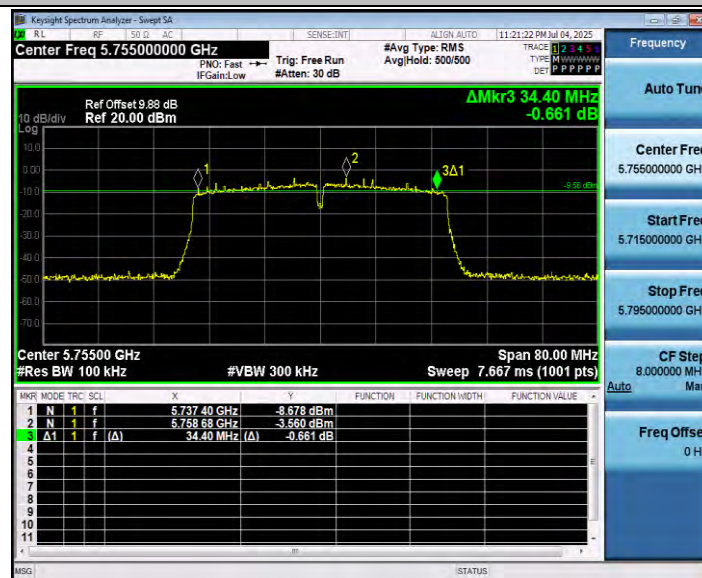
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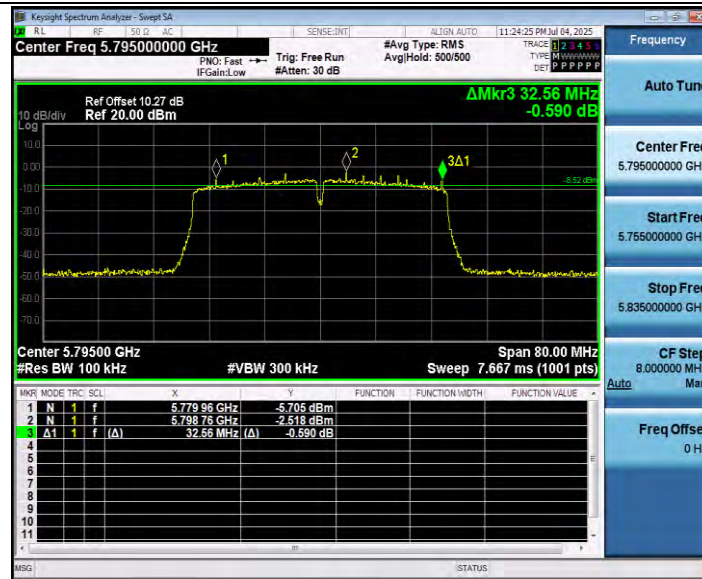
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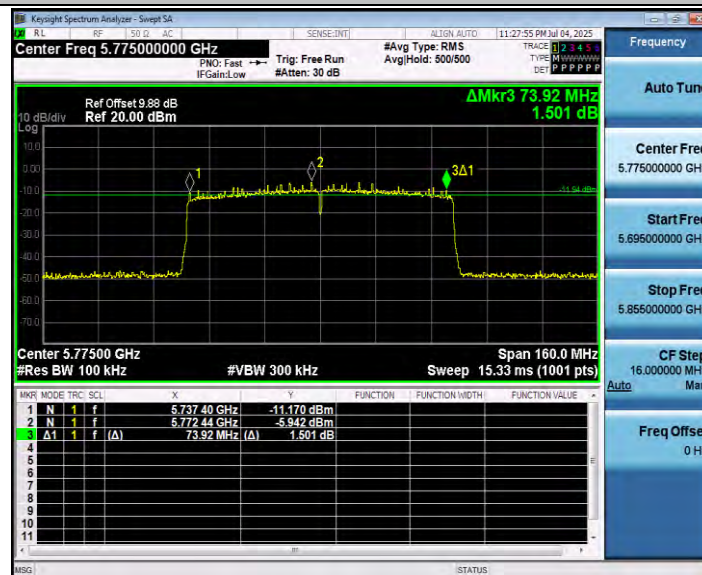
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11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



11AX20SISO_Ant2_5745



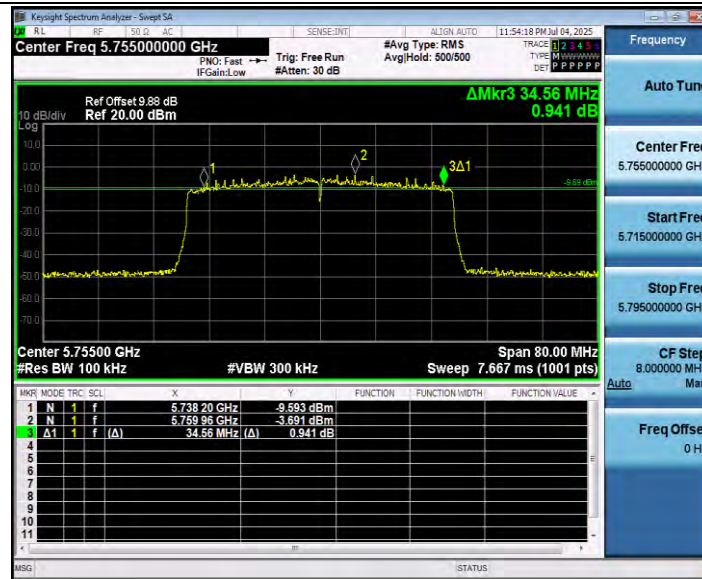
11AX20SISO_Ant2_5785



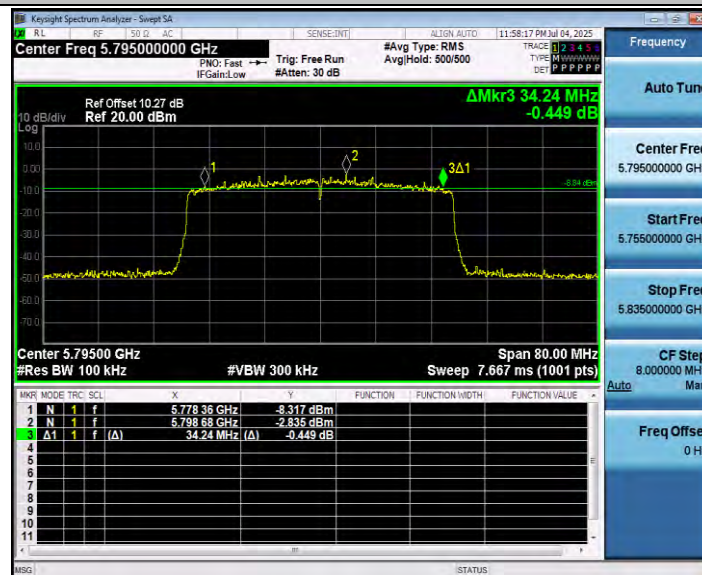
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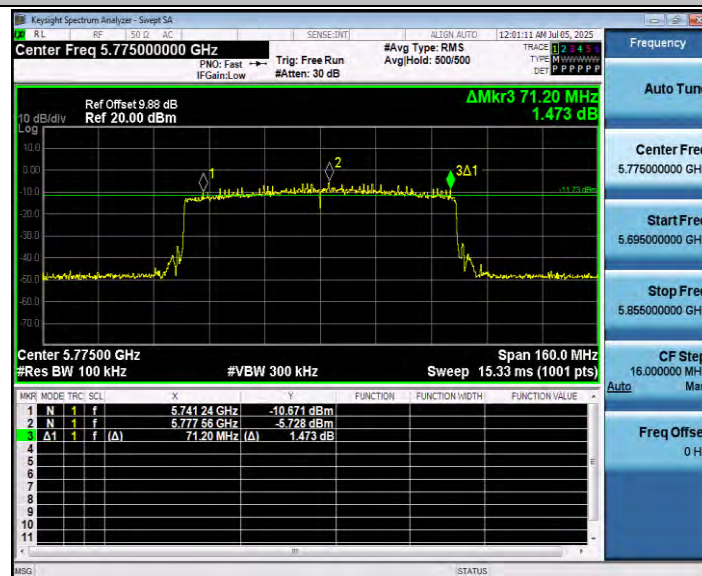
11AX40SISO_Ant2_5755



11AX40ISO_Ant2_5795



11AX80ISO_Ant2_5775

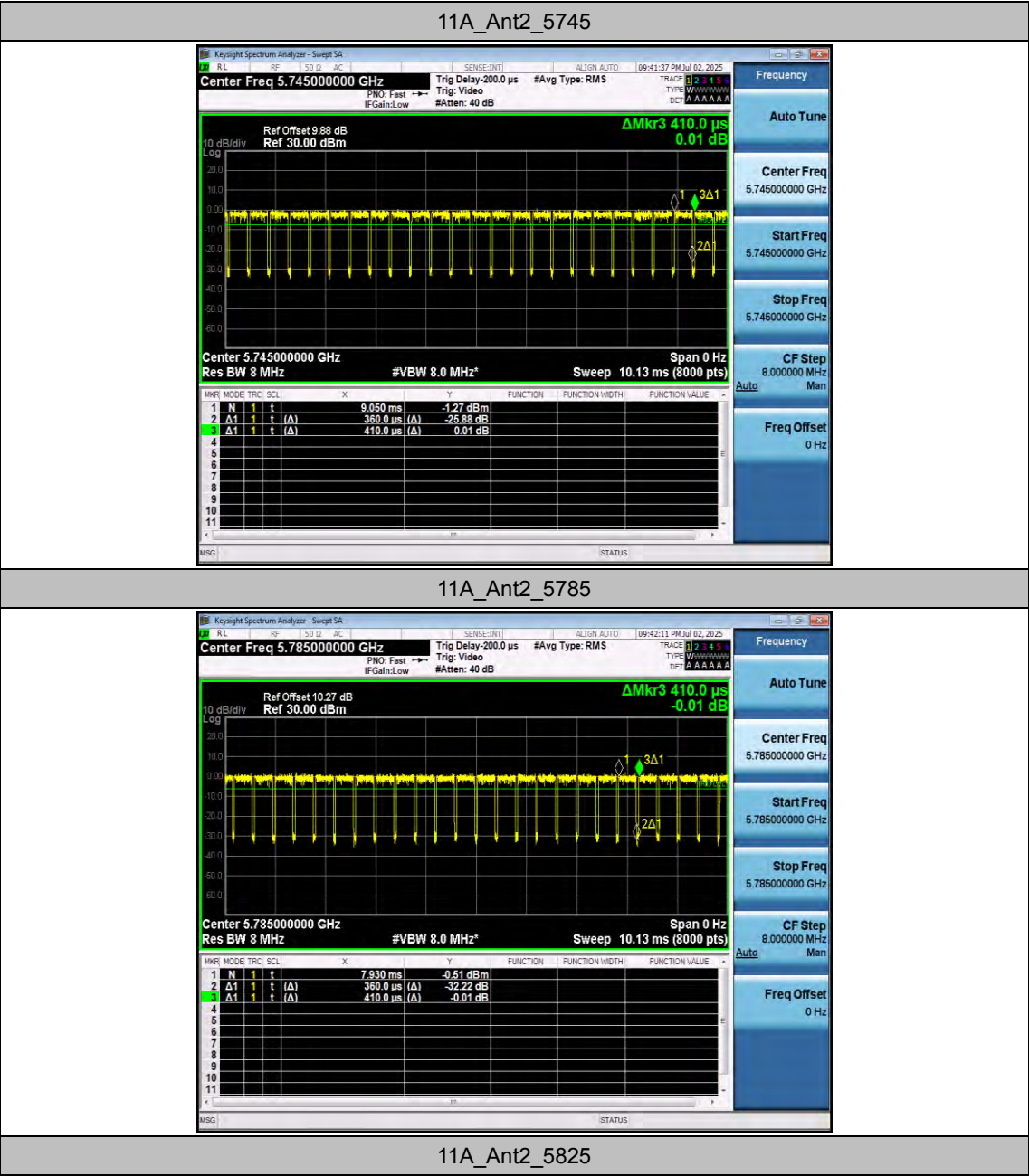


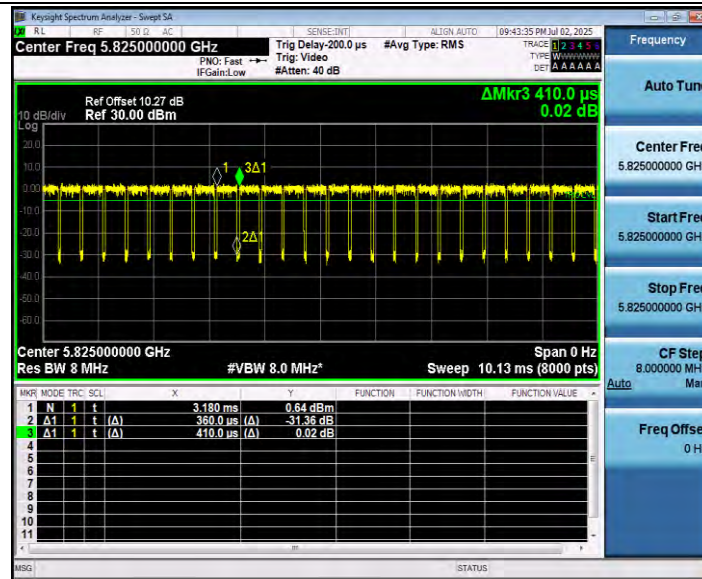
Appendix E.3: Duty Cycle

Test Result

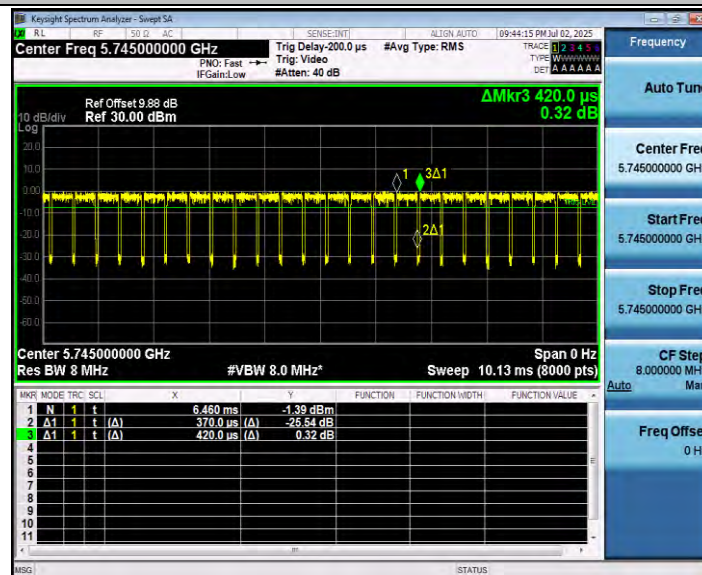
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5745	0.36	0.41	87.80	0.57	2.78
		5785	0.36	0.41	87.80	0.57	2.78
		5825	0.36	0.41	87.80	0.57	2.78
11N20SISO	Ant2	5745	0.37	0.42	88.10	0.55	2.70
		5785	0.37	0.42	88.10	0.55	2.70
		5825	0.37	0.42	88.10	0.55	2.70
11N40SISO	Ant2	5755	0.38	0.43	88.37	0.54	2.63
		5795	0.38	0.43	88.37	0.54	2.63
11AC20SISO	Ant2	5745	0.36	0.41	87.80	0.57	2.78
		5785	0.36	0.41	87.80	0.57	2.78
		5825	0.36	0.41	87.80	0.57	2.78
11AC40SISO	Ant2	5755	0.93	1.17	79.49	1.00	1.08
		5795	0.37	0.41	90.24	0.45	2.70
11AC80SISO	Ant2	5775	0.39	0.63	61.90	2.08	2.56
11AX20SISO	Ant2	5745	0.37	0.42	88.10	0.55	2.70
		5785	0.37	0.42	88.10	0.55	2.70
		5825	0.37	0.42	88.10	0.55	2.70
11AX40SISO	Ant2	5755	0.37	0.42	88.10	0.55	2.70
		5795	0.37	0.42	88.10	0.55	2.70
11AX80SISO	Ant2	5775	0.40	0.79	50.63	2.96	2.50

Test Graphs

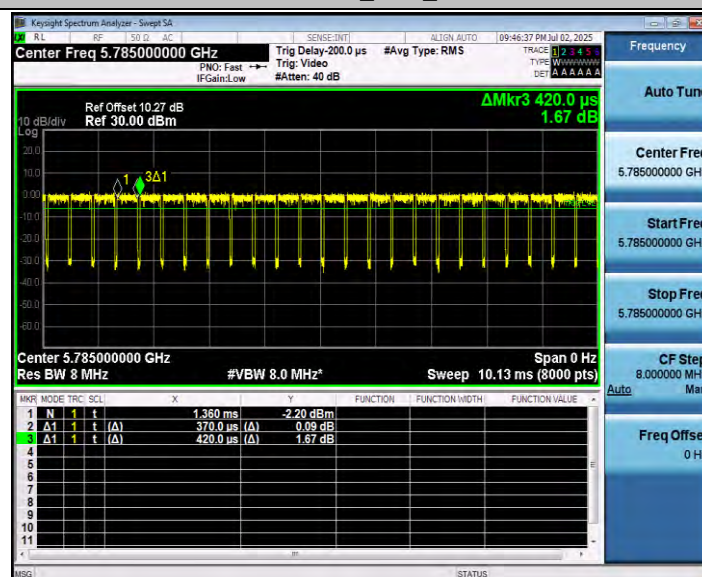


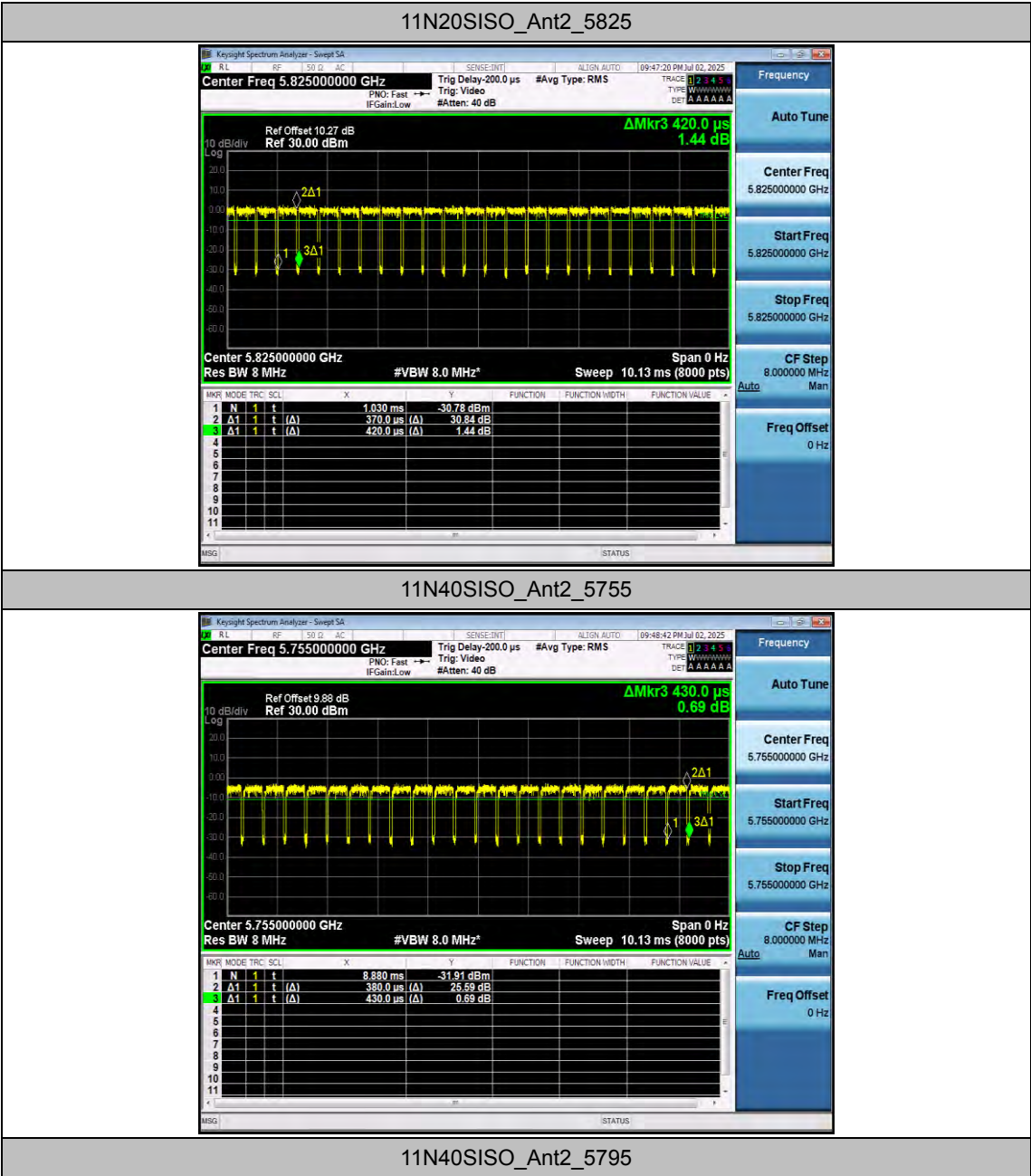


11N20SISO_Ant2_5745



11N20SISO_Ant2_5785





11N40SISO_Ant2_5755

Keysight Spectrum Analyzer - Swept SA

Center Freq 5.755000000 GHz

Trig Delay: 200.0 μ s

#Avg Type: RMS

Ref Offset 9.88 dB

Ref 30.00 dBm

10 dB/div

Log

Δ Mkr3 430.0 μ s

0.69 dB

Center 5.755000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz^a

Sweep 10.13 ms (8000 pts)

Span 0 Hz

1 N 1 t 8.880 ms -31.91 dBm

2 Δ 1 1 t (Δ) 380.0 μ s (Δ) 25.59 dB

3 Δ 1 1 t (Δ) 430.0 μ s (Δ) 0.69 dB

4

5

6

7

8

9

10

11

MSG

STATUS

Frequency

Auto Tune

Center Freq
5.755000000 GHz

Start Freq
5.755000000 GHz

Stop Freq
5.755000000 GHz

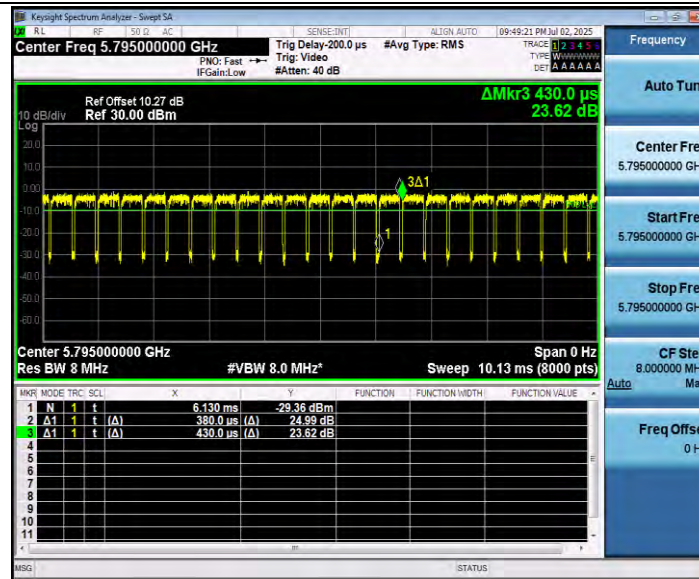
CF Step
8.000000 MHz

Auto

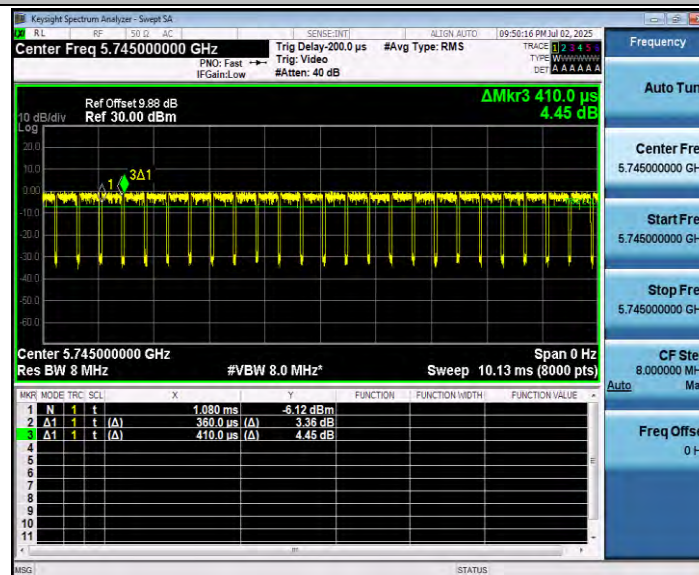
Man

Freq Offset
0 Hz

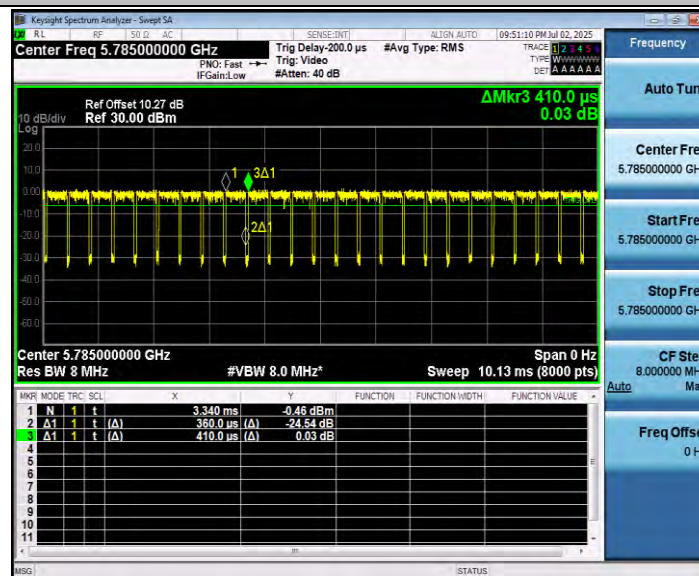
11N40SISO_Ant2_5795

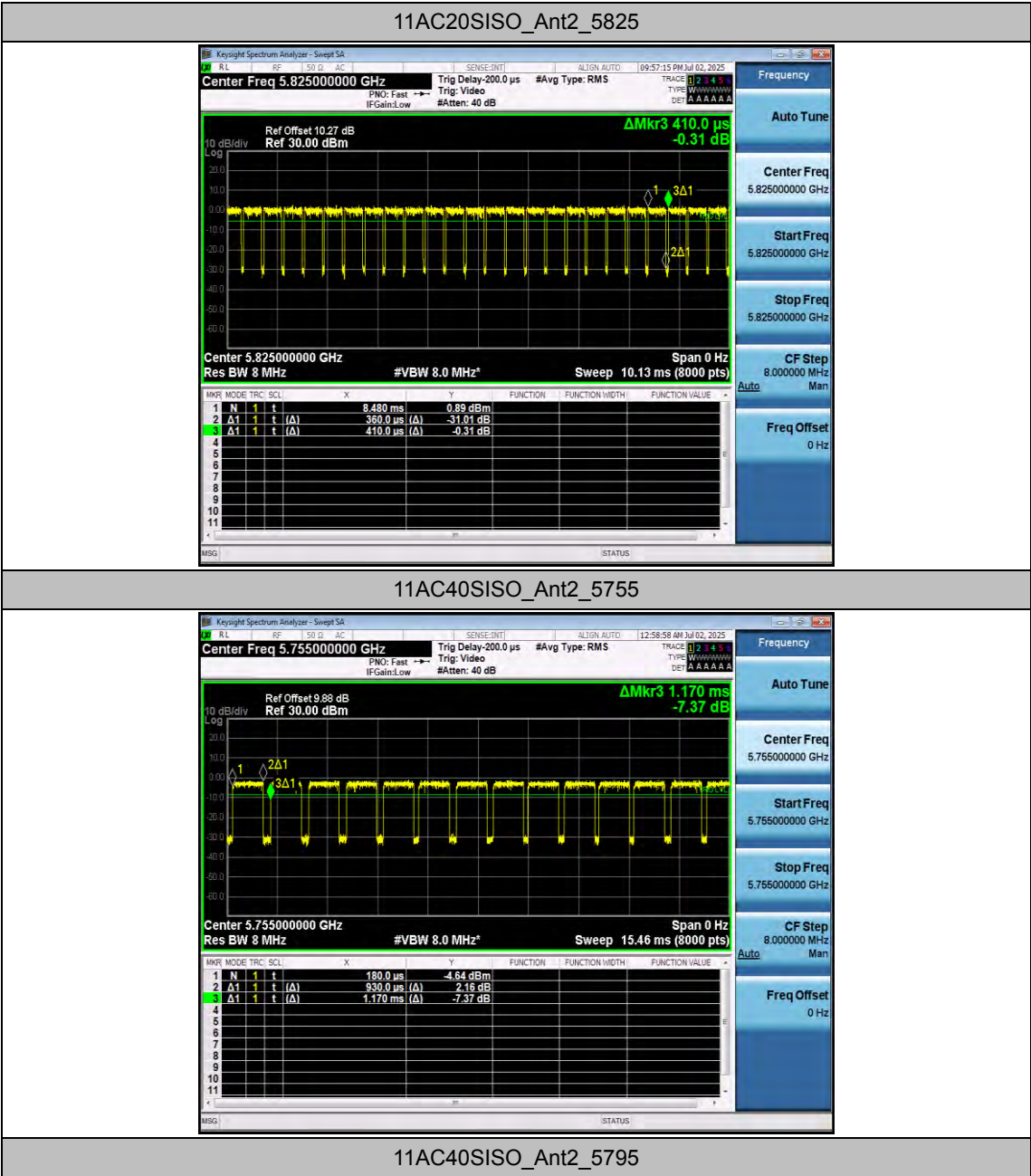


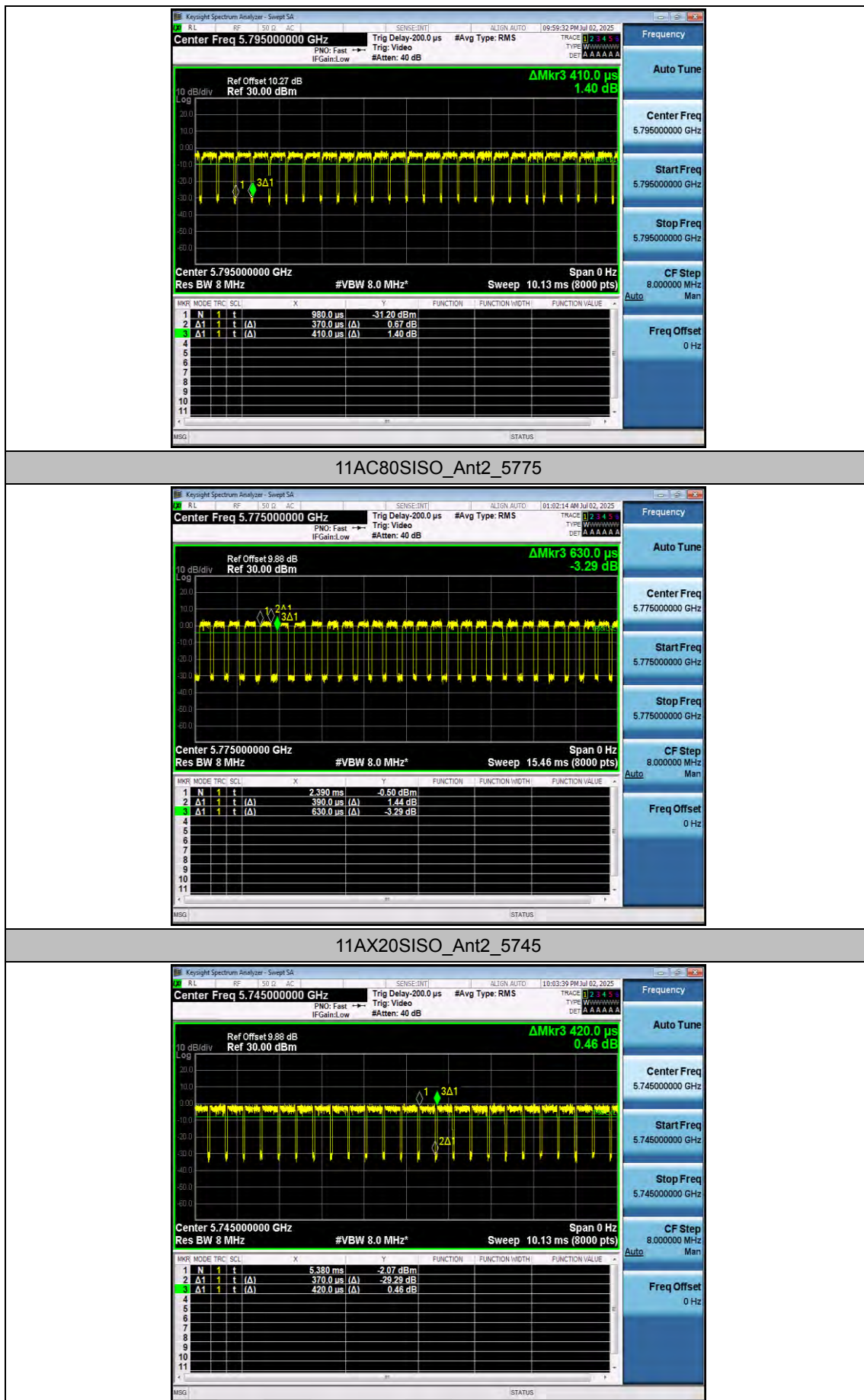
11AC20SISO_Ant2_5745



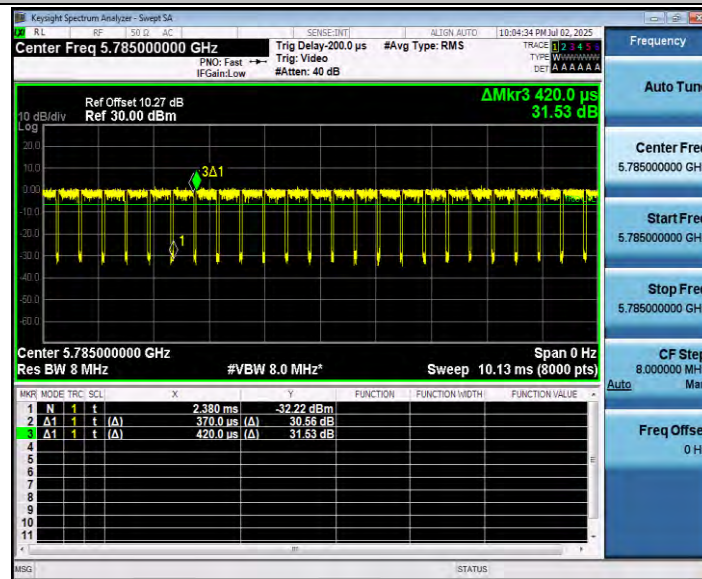
11AC20SISO_Ant2_5785



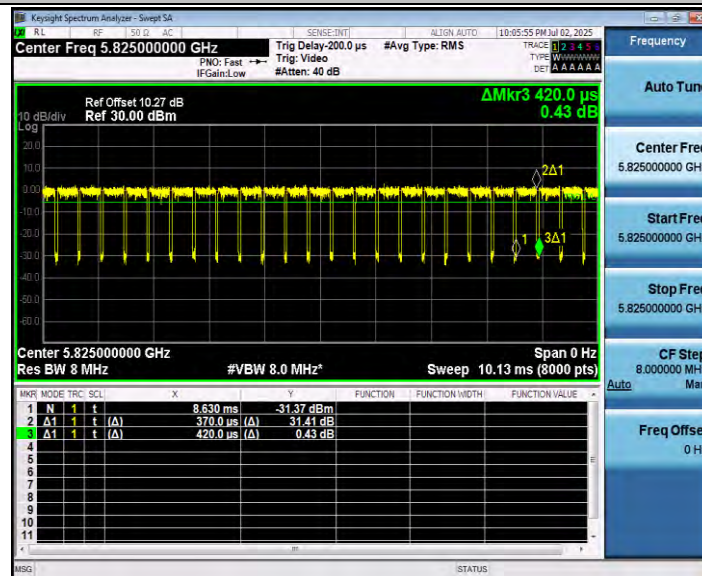




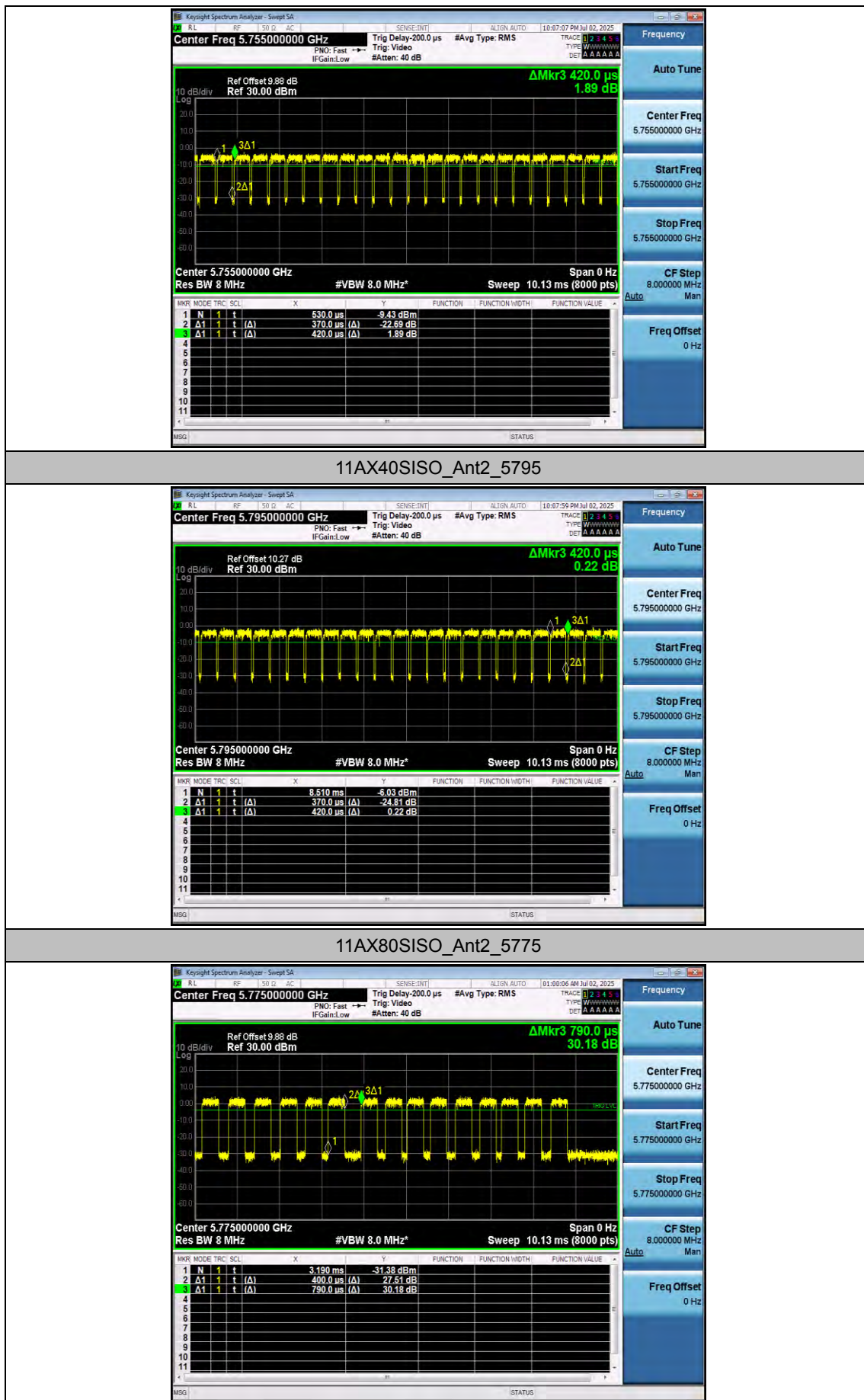
11AX20SISO_Ant2_5785



11AX20SISO_Ant2_5825



11AX40SISO_Ant2_5755



Appendix E.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	5745	4.06	87.80	0.57	4.63	≤30.00	PASS
		5785	5.23	87.80	0.57	5.80	≤30.00	PASS
		5825	4.69	87.80	0.57	5.26	≤30.00	PASS
11N20SISO	Ant2	5745	3.39	88.10	0.55	3.94	≤30.00	PASS
		5785	5.16	88.10	0.55	5.71	≤30.00	PASS
		5825	4.69	88.10	0.55	5.24	≤30.00	PASS
11N40SISO	Ant2	5755	3.32	88.37	0.54	3.86	≤30.00	PASS
		5795	4.50	88.37	0.54	5.04	≤30.00	PASS
11AC20SISO	Ant2	5745	4.08	87.80	0.57	4.65	≤30.00	PASS
		5785	5.00	87.80	0.57	5.57	≤30.00	PASS
		5825	4.41	87.80	0.57	4.98	≤30.00	PASS
11AC40SISO	Ant2	5755	3.43	79.49	1.00	4.43	≤30.00	PASS
		5795	4.41	90.24	0.45	4.86	≤30.00	PASS
11AC80SISO	Ant2	5775	2.83	61.90	2.08	4.91	≤30.00	PASS
11AX20SISO	Ant2	5745	3.41	88.10	0.55	3.96	≤30.00	PASS
		5785	3.99	88.10	0.55	4.54	≤30.00	PASS
		5825	3.35	88.10	0.55	3.90	≤30.00	PASS
11AX40SISO	Ant2	5755	3.86	88.10	0.55	4.41	≤30.00	PASS
		5795	4.44	88.10	0.55	4.99	≤30.00	PASS
11AX80SISO	Ant2	5775	2.06	50.63	2.96	5.02	≤30.00	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-12.91	≤30.00	PASS
		5785	-11.66	≤30.00	PASS
		5825	-10.52	≤30.00	PASS
11N20SISO	Ant2	5745	-13.19	≤30.00	PASS
		5785	-11.78	≤30.00	PASS
		5825	-10.69	≤30.00	PASS
11N40SISO	Ant2	5755	-15.93	≤30.00	PASS
		5795	-14.45	≤30.00	PASS
11AC20SISO	Ant2	5745	-13.09	≤30.00	PASS
		5785	-11.75	≤30.00	PASS
		5825	-10.54	≤30.00	PASS
11AC40SISO	Ant2	5755	-16.70	≤30.00	PASS
		5795	-14.41	≤30.00	PASS
11AC80SISO	Ant2	5775	-18.33	≤30.00	PASS
11AX20SISO	Ant2	5745	-13.48	≤30.00	PASS
		5785	-12.15	≤30.00	PASS
		5825	-11.03	≤30.00	PASS
11AX40SISO	Ant2	5755	-16.40	≤30.00	PASS
		5795	-14.92	≤30.00	PASS
11AX80SISO	Ant2	5775	-18.79	≤30.00	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_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



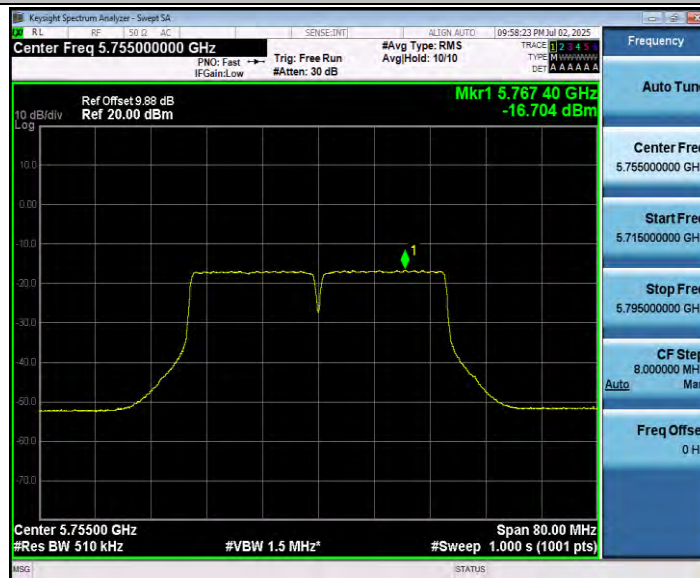
11AC20SISO_Ant2_5785



11AC20SISO_Ant2_5825



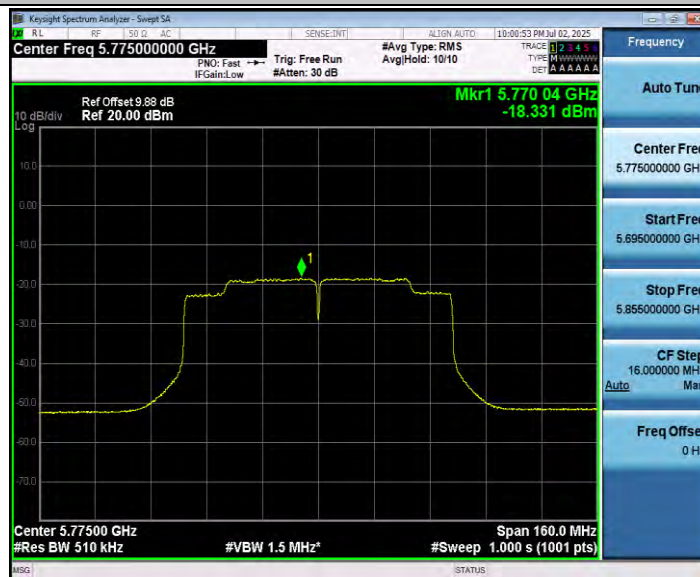
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



11AX20SISO_Ant2_5745



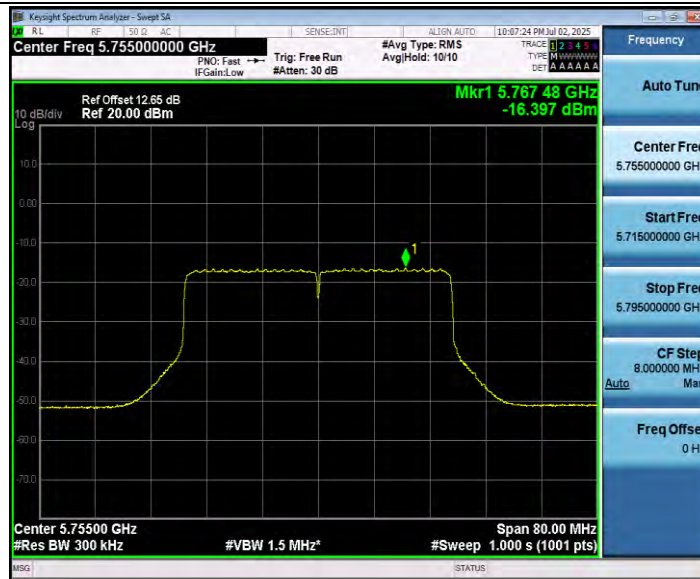
11AX20SISO_Ant2_5785



11AX20SISO_Ant2_5825



11AX40SISO_Ant2_5755



11AX40SISO_Ant2_5795



11AX80SISO_Ant2_5775

