

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

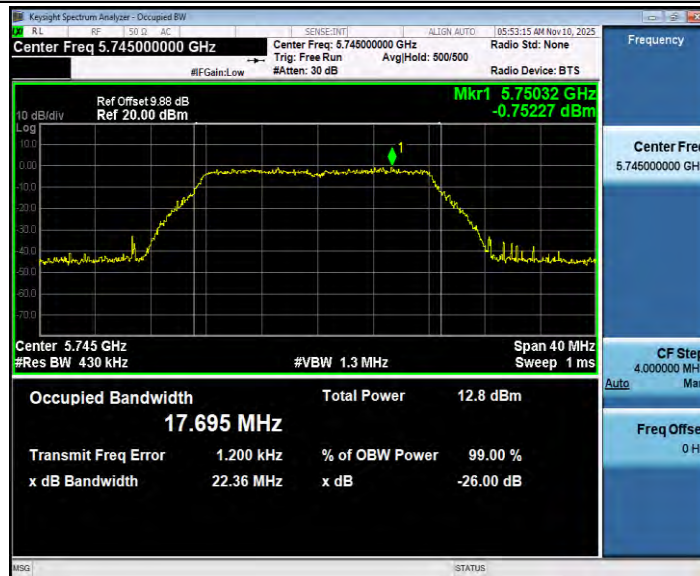
AppendixE.1: Occupied channel bandwidth

Test Result

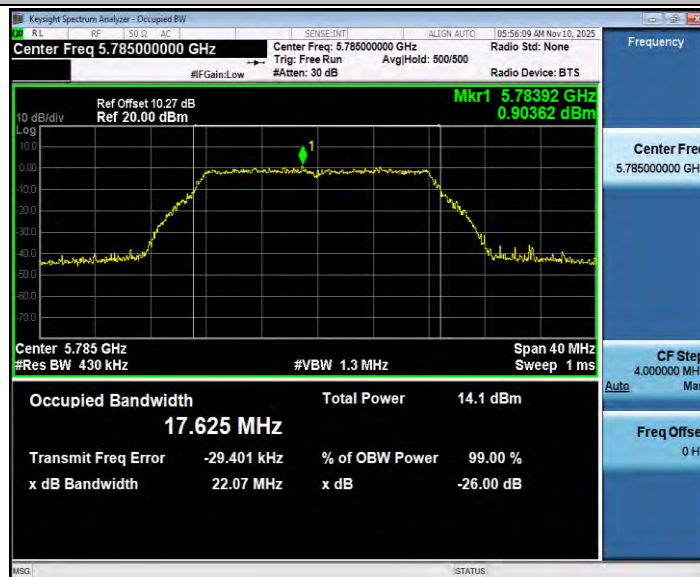
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.695	5736.1537	5753.8487	---	---
		5785	17.625	5776.1581	5793.7831	---	---
		5825	17.611	5816.1385	5833.7495	---	---
11N20SISO	Ant1	5745	18.527	5735.7391	5754.2661	---	---
		5785	18.502	5775.7397	5794.2417	---	---
		5825	18.485	5815.7204	5834.2054	---	---
11N40SISO	Ant1	5755	36.850	5736.5707	5773.4207	---	---
		5795	36.919	5776.5383	5813.4573	---	---
11AC20SISO	Ant1	5745	18.460	5735.7582	5754.2182	---	---
		5785	18.514	5775.6657	5794.1797	---	---
		5825	18.520	5815.6598	5834.1798	---	---
11AC40SISO	Ant1	5755	36.777	5736.6200	5773.3970	---	---
		5795	36.897	5776.4888	5813.3858	---	---
11AC80SISO	Ant1	5775	75.672	5737.1419	5812.8139	---	---
11AX20SISO	Ant1	5745	19.369	5735.3280	5754.6970	---	---
		5785	19.408	5775.1968	5794.6048	---	---
		5825	19.365	5815.2813	5834.6463	---	---
11AX40SISO	Ant1	5755	38.070	5735.9927	5774.0627	---	---
		5795	38.124	5775.9039	5814.0279	---	---
11AX80SISO	Ant1	5775	77.615	5736.2216	5813.8366	---	---

Test Graphs

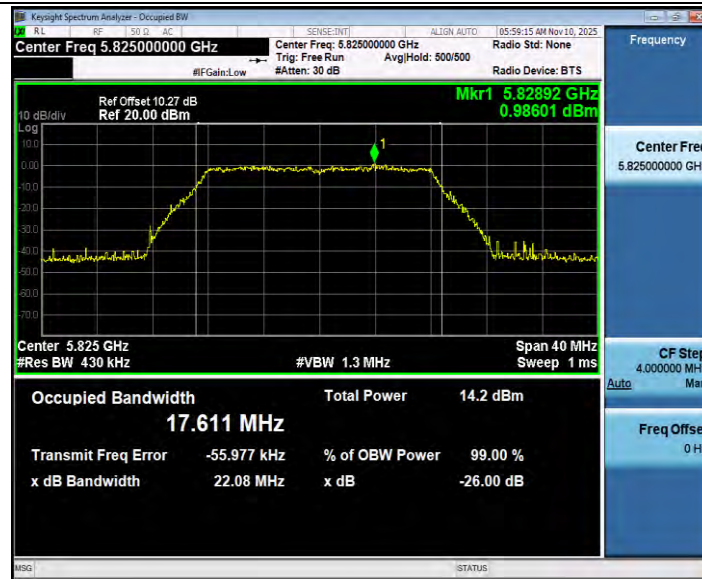
11A_Ant1_5745



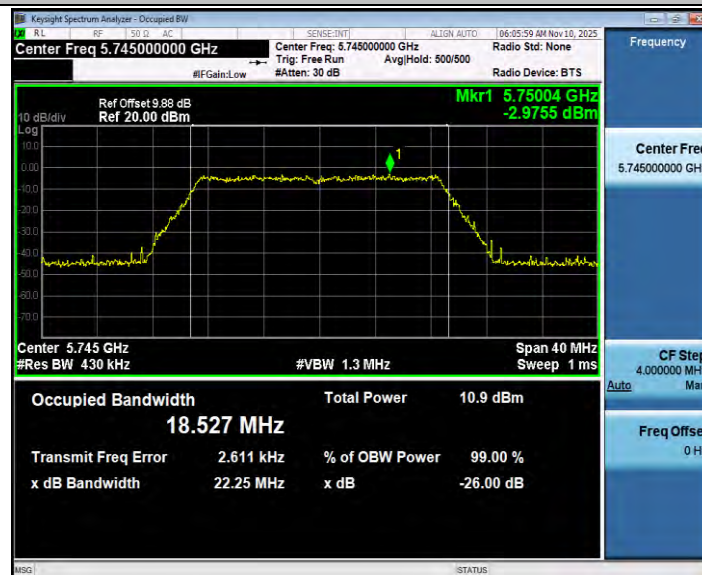
11A_Ant1_5785



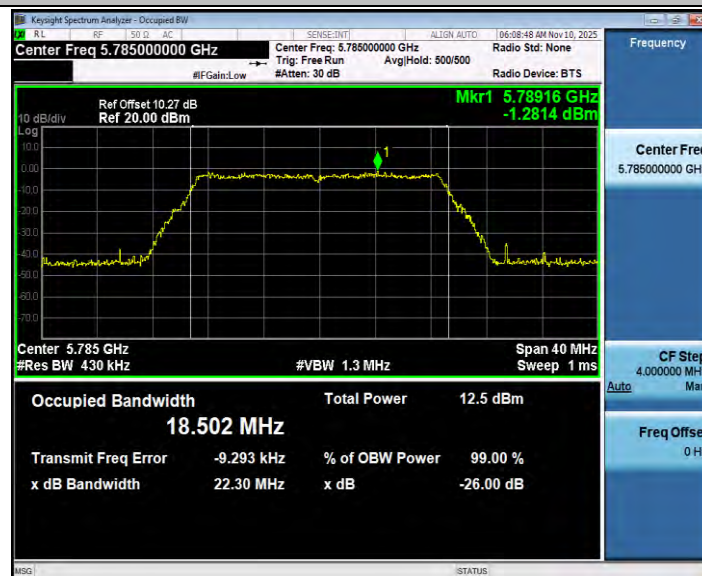
11A_Ant1_5825



11N20SISO_Ant1_5745



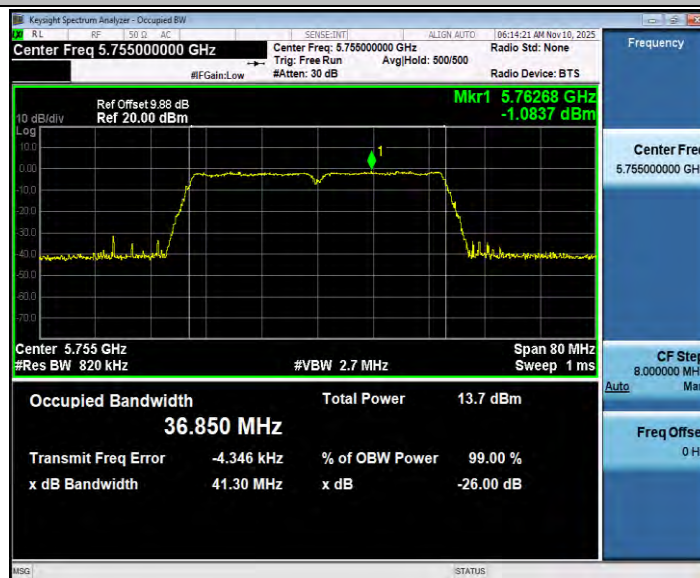
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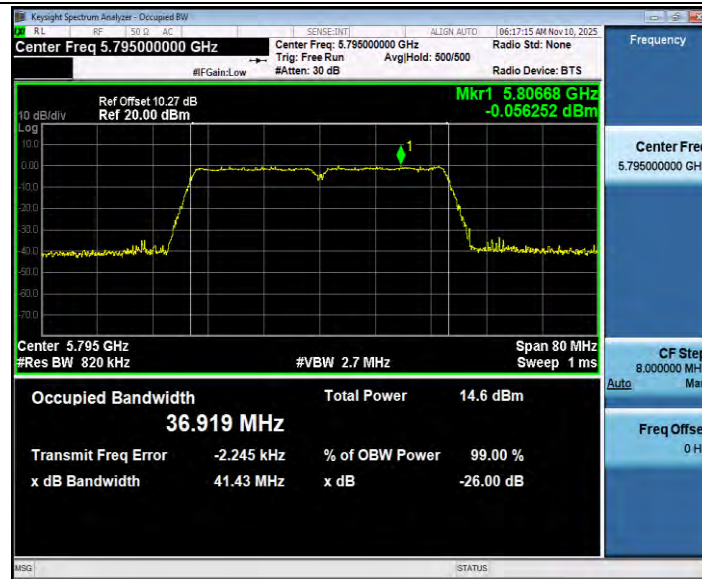
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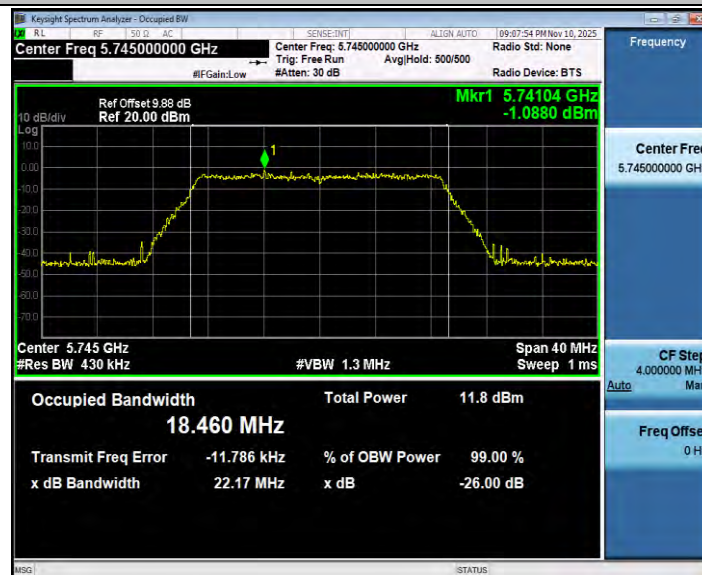
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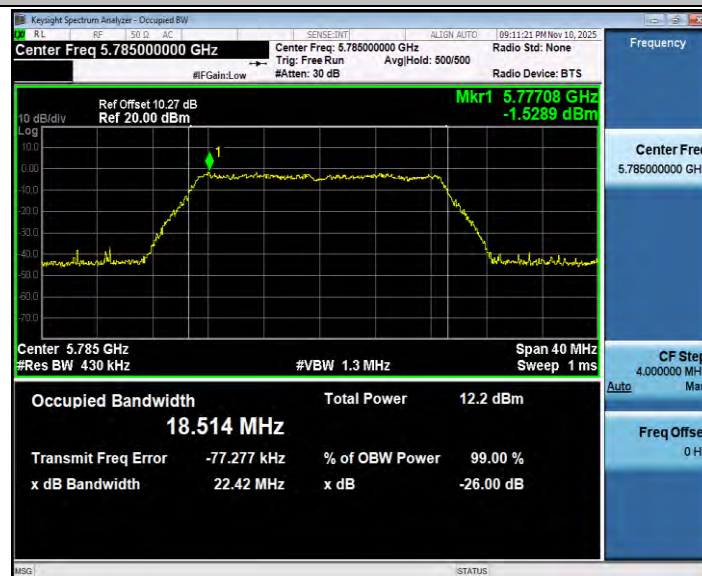
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



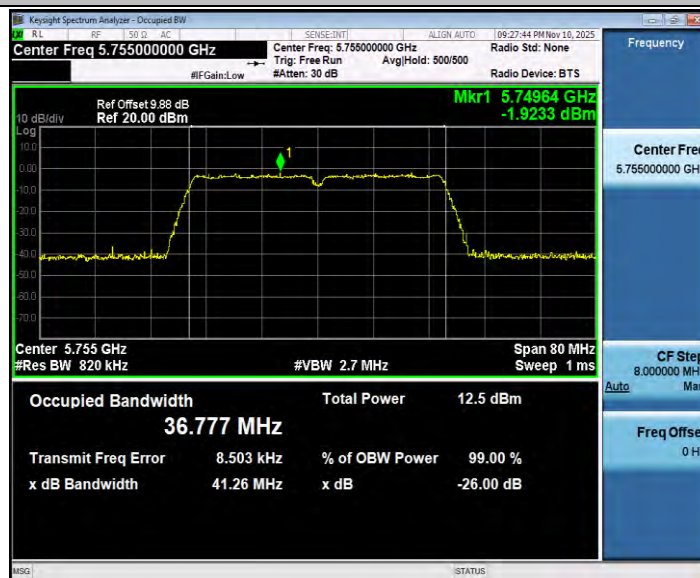
11AC20SISO_Ant1_5785



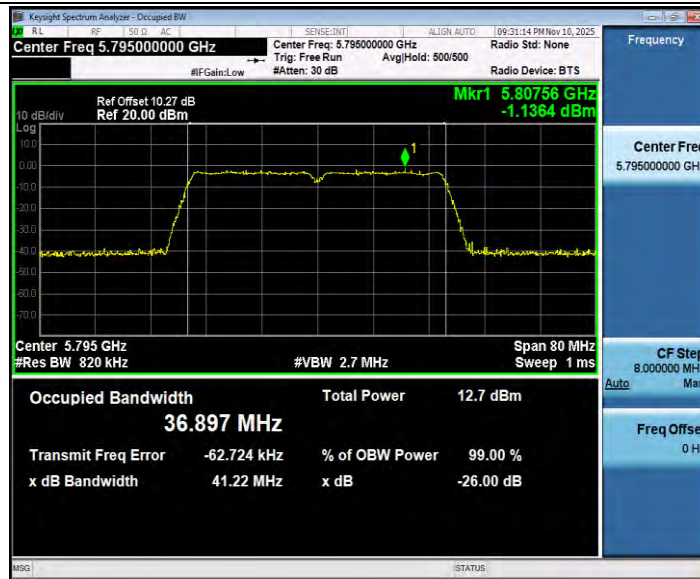
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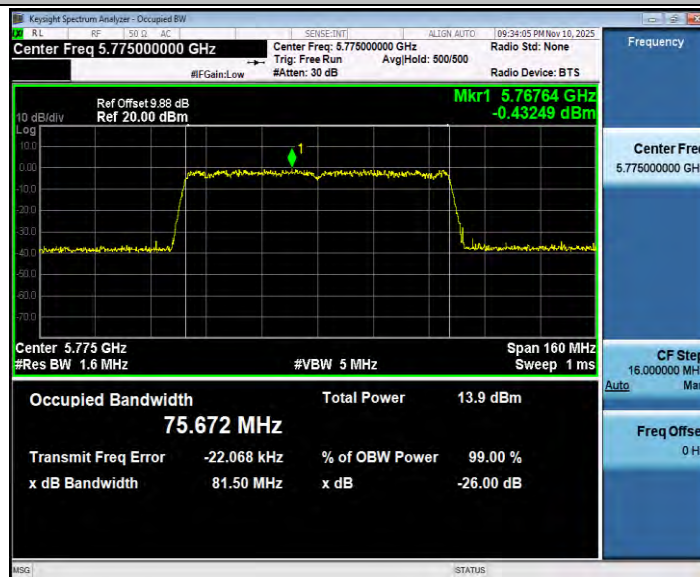
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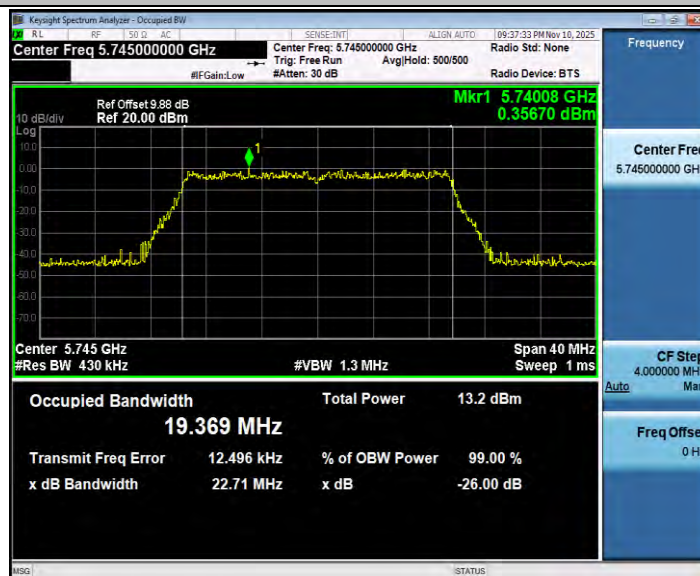
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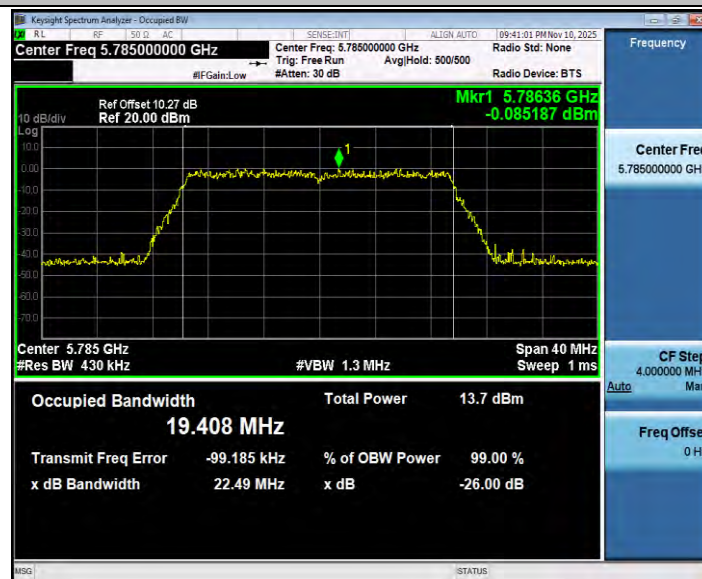
11AC80SISO_Ant1_5775



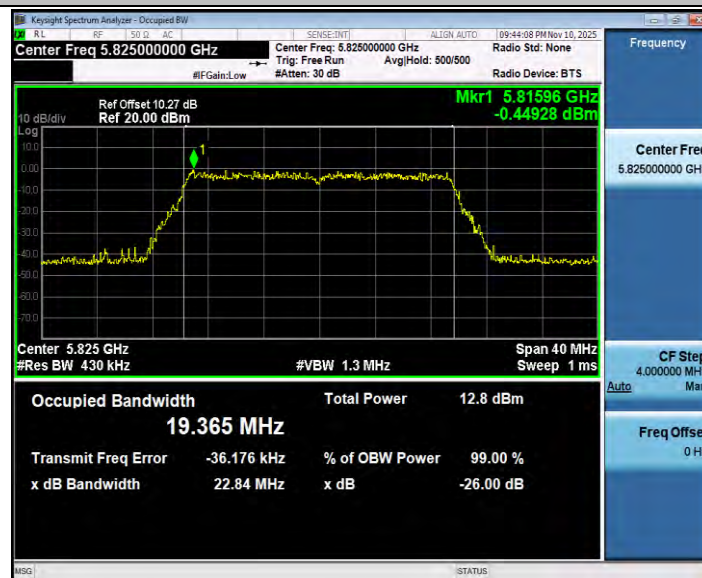
11AX20SISO_Ant1_5745



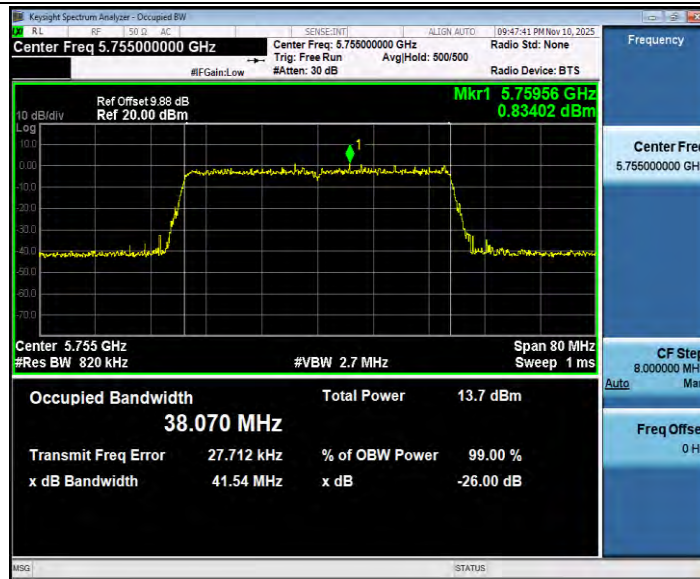
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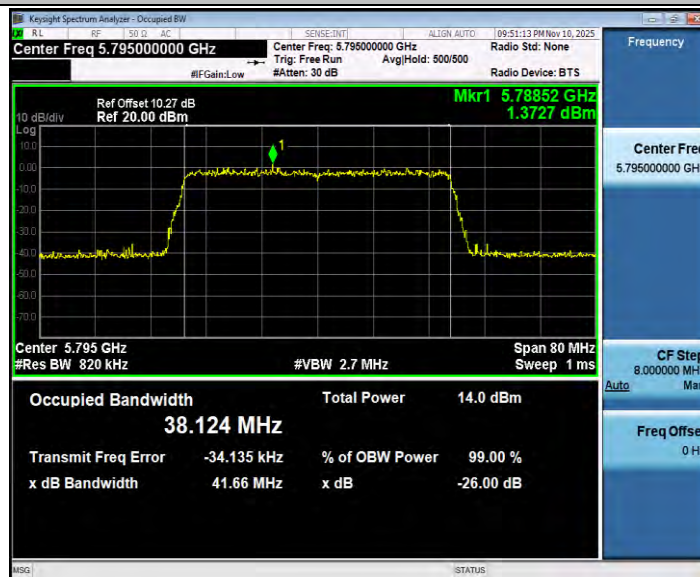
11AX20SISO_Ant1_5825



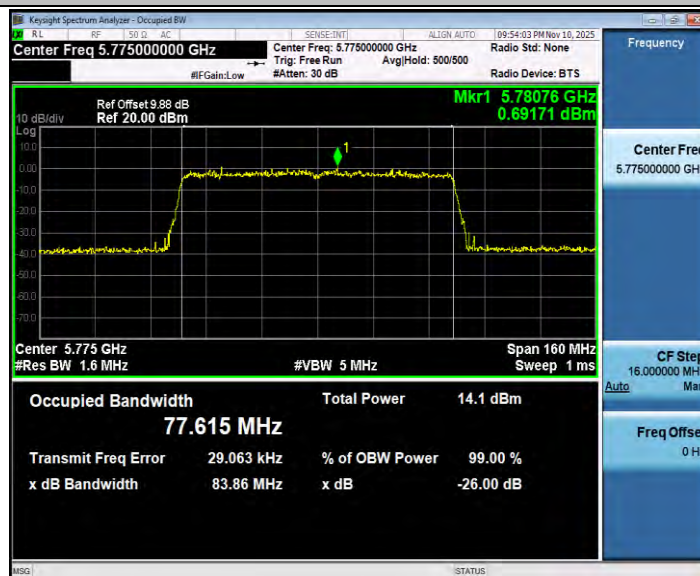
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



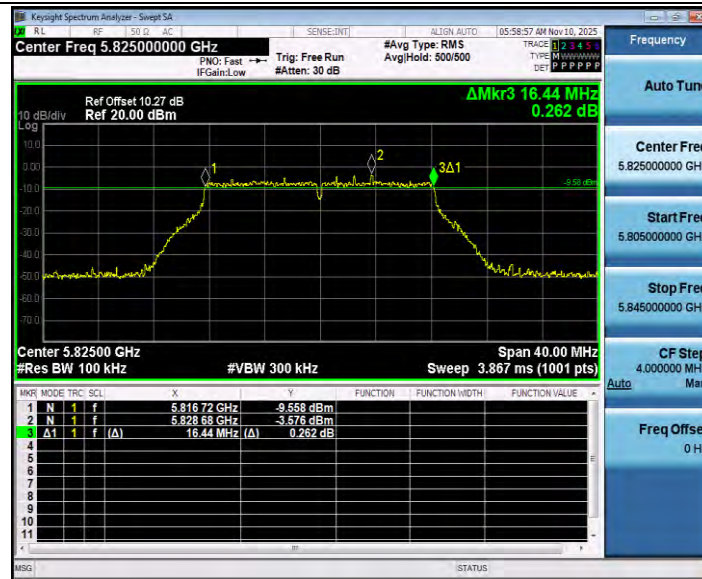
AppendixE.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.480	5776.720	5793.200	0.5	PASS
		5825	16.440	5816.720	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.760	5736.080	5753.840	0.5	PASS
		5785	17.680	5776.120	5793.800	0.5	PASS
		5825	17.640	5816.120	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.680	5776.120	5793.800	0.5	PASS
		5825	17.680	5816.080	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.760	5773.160	0.5	PASS
		5795	36.320	5776.760	5813.080	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.400	5812.760	0.5	PASS
11AX20SISO	Ant1	5745	19.000	5735.480	5754.480	0.5	PASS
		5785	19.000	5775.440	5794.440	0.5	PASS
		5825	19.040	5815.440	5834.480	0.5	PASS
11AX40SISO	Ant1	5755	37.920	5735.960	5773.880	0.5	PASS
		5795	38.080	5775.880	5813.960	0.5	PASS
11AX80SISO	Ant1	5775	77.920	5735.960	5813.880	0.5	PASS

Test Graphs B4





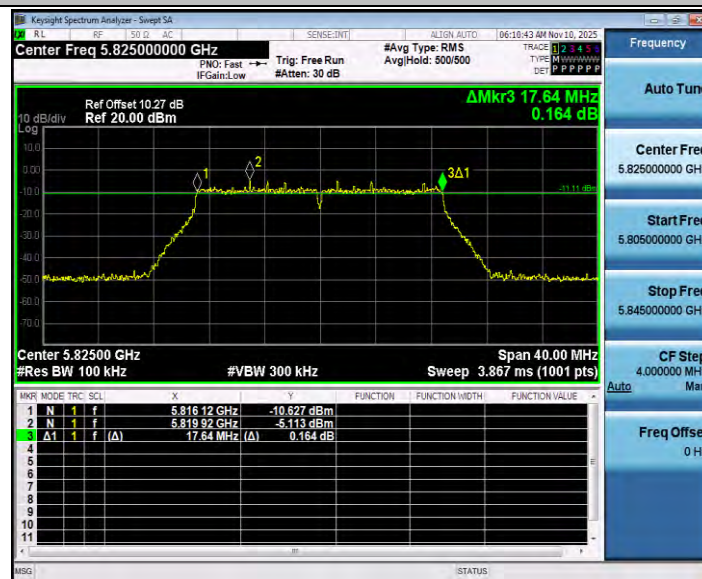
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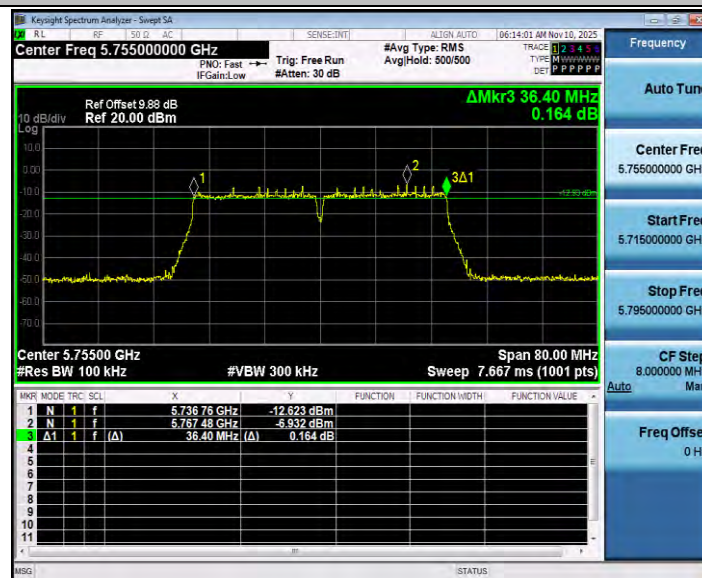
11N20SISO_Ant1_5785



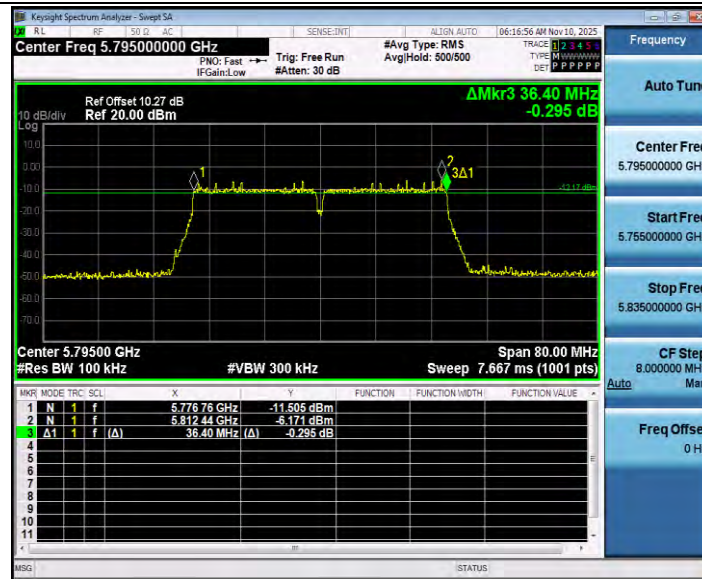
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



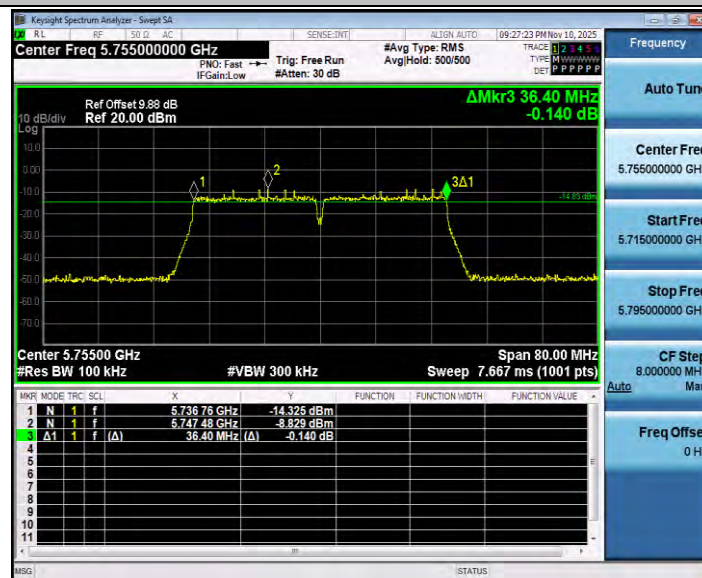
11AC20SISO_Ant1_5785



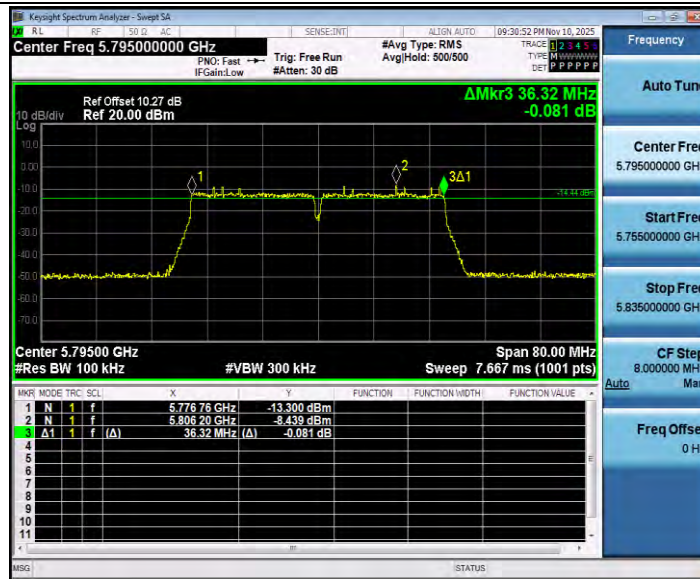
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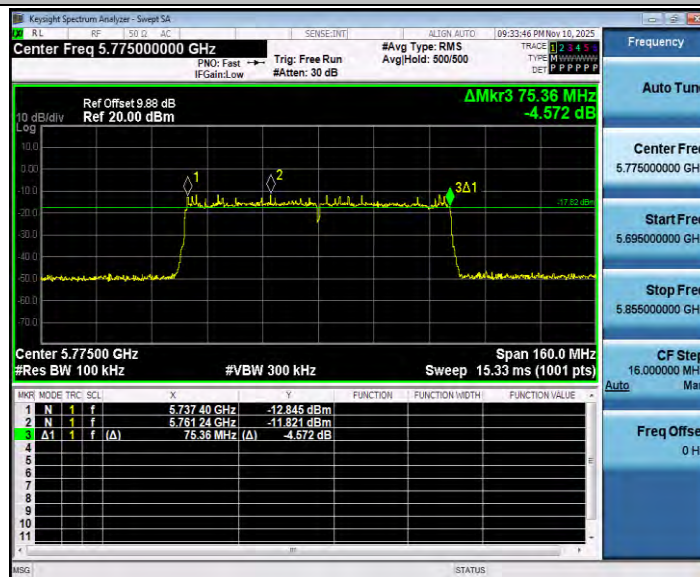
11AC40SISO_Ant1_5755



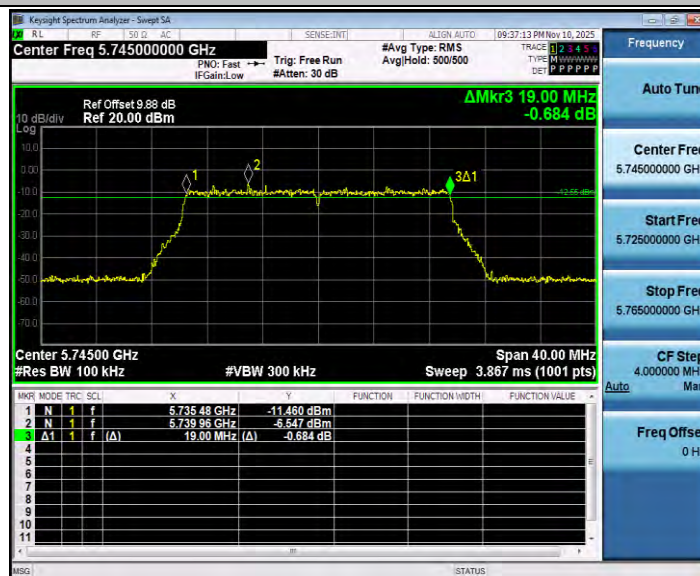
11AC40SISO_Ant1_5795



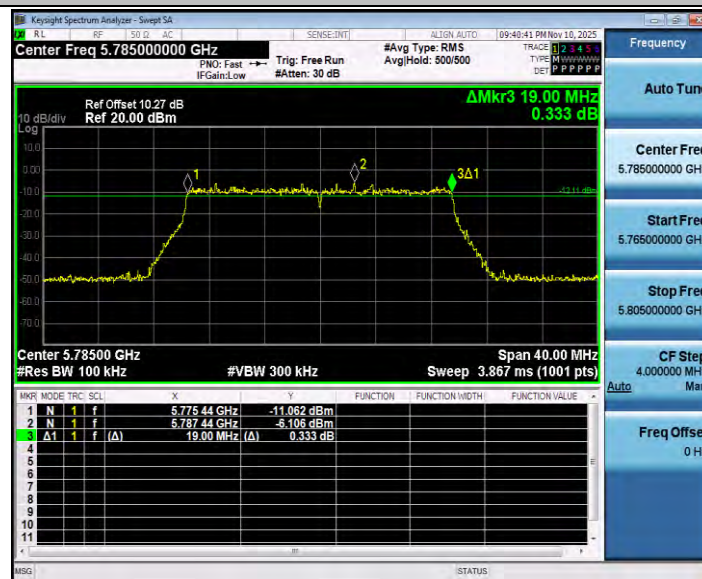
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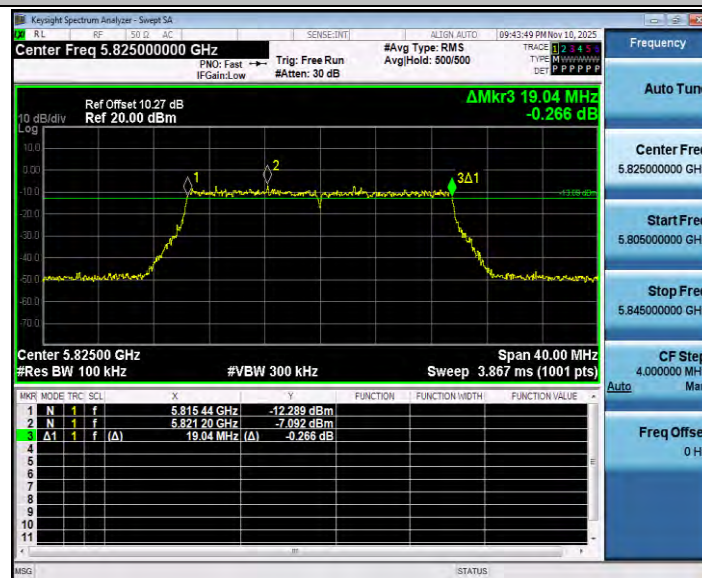
11AX20SISO_Ant1_5745



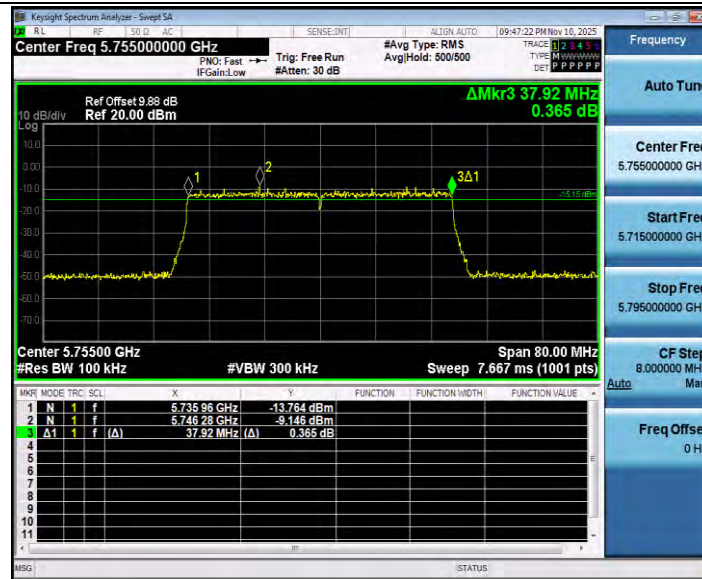
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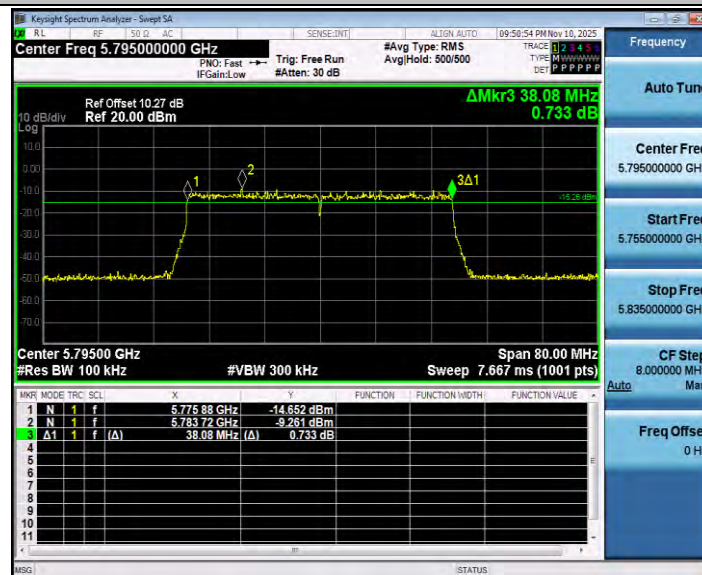
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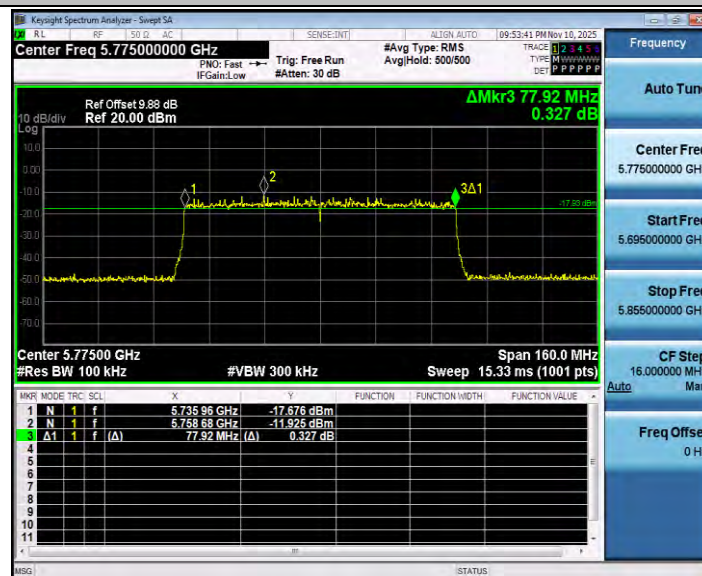
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

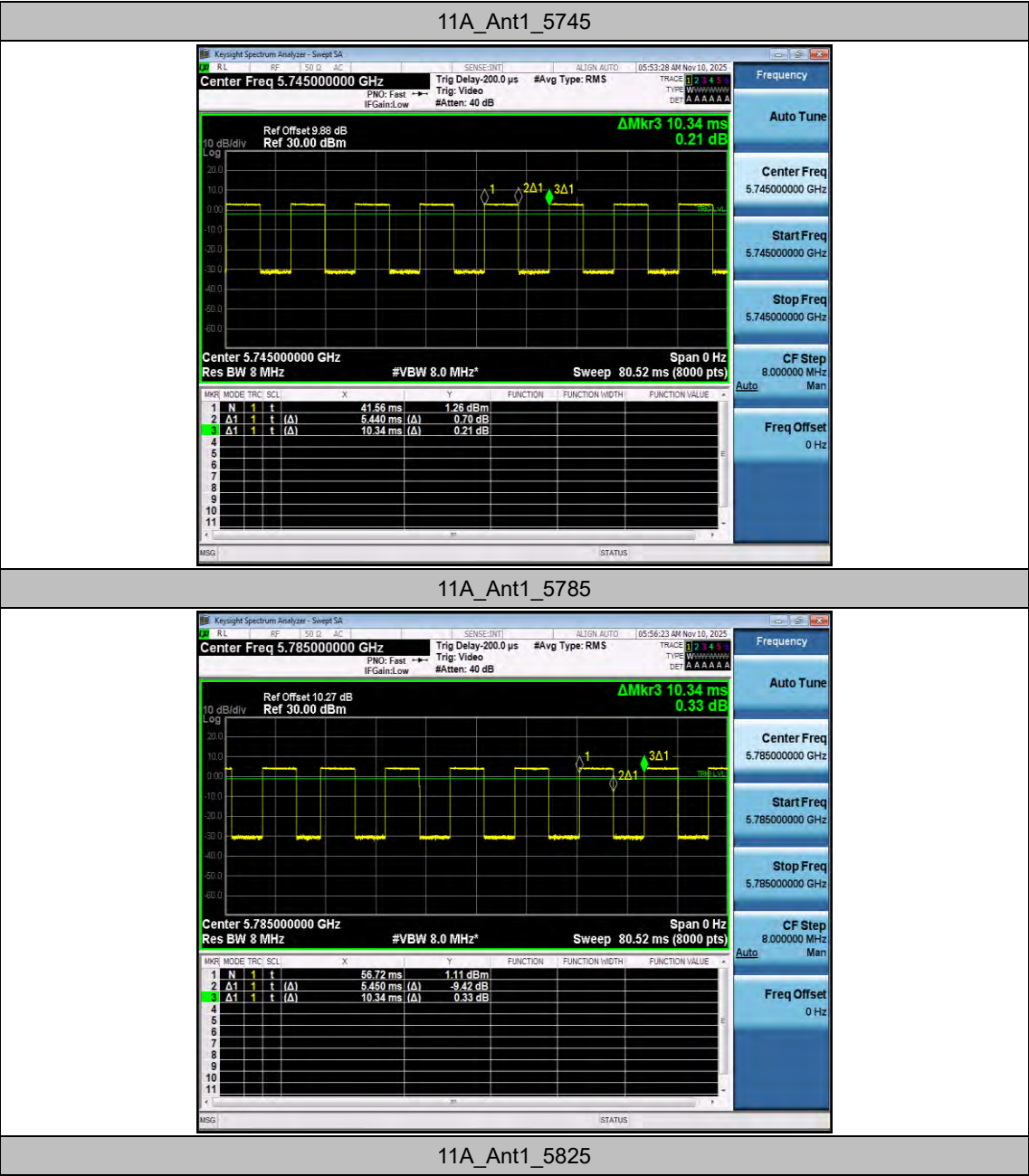


Appendix E.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	5.44	10.34	52.61	2.79	0.18
		5785	5.45	10.34	52.71	2.78	0.18
		5825	5.46	10.35	52.75	2.78	0.18
11N20SISO	Ant1	5745	5.34	10.35	51.59	2.87	0.19
		5785	5.33	10.34	51.55	2.88	0.19
		5825	5.33	10.35	51.50	2.88	0.19
11N40SISO	Ant1	5755	3.00	6.35	47.24	3.26	0.33
		5795	3.00	6.35	47.24	3.26	0.33
11AC20SISO	Ant1	5745	5.35	13.01	41.12	3.86	0.19
		5785	5.35	14.41	37.13	4.30	0.19
		5825	5.35	14.44	37.05	4.31	0.19
11AC40SISO	Ant1	5755	5.14	10.35	49.66	3.04	0.19
		5795	5.14	10.35	49.66	3.04	0.19
11AC80SISO	Ant1	5775	4.74	10.34	45.84	3.39	0.21
11AX20SISO	Ant1	5745	4.62	10.35	44.64	3.50	0.22
		5785	4.62	10.34	44.68	3.50	0.22
		5825	4.62	10.35	44.64	3.50	0.22
11AX40SISO	Ant1	5755	4.62	10.36	44.59	3.51	0.22
		5795	4.62	10.35	44.64	3.50	0.22
11AX80SISO	Ant1	5775	4.40	10.34	42.55	3.71	0.23

Test Graphs



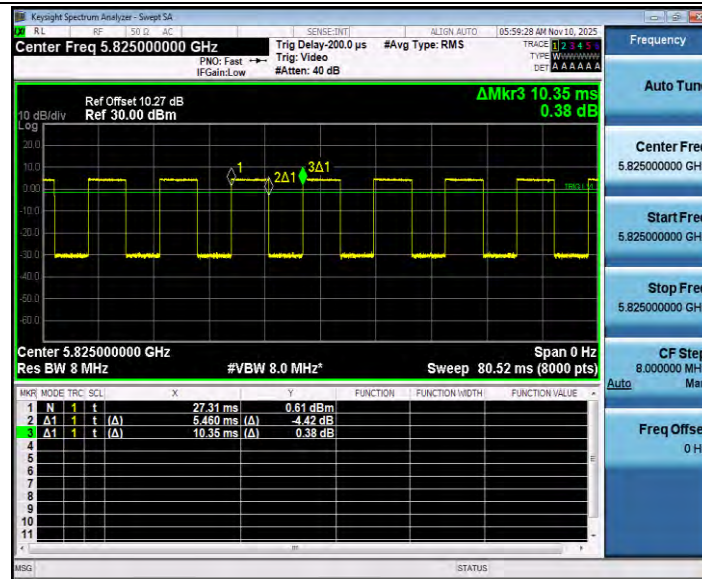
11A_Ant1_5785

Frequency

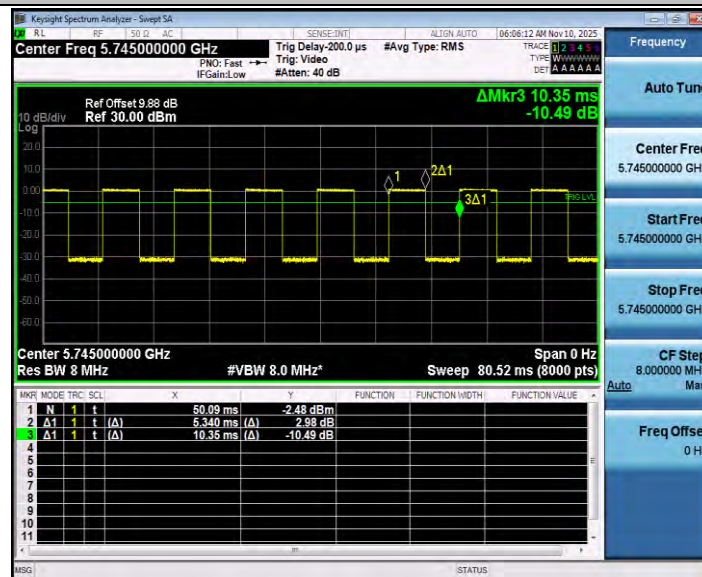
Auto Tune

Center Freq
5.785000000 GHzStart Freq
5.785000000 GHzStop Freq
5.785000000 GHzCF Step
8.000000 MHz
Auto ManFreq Offset
0 Hz

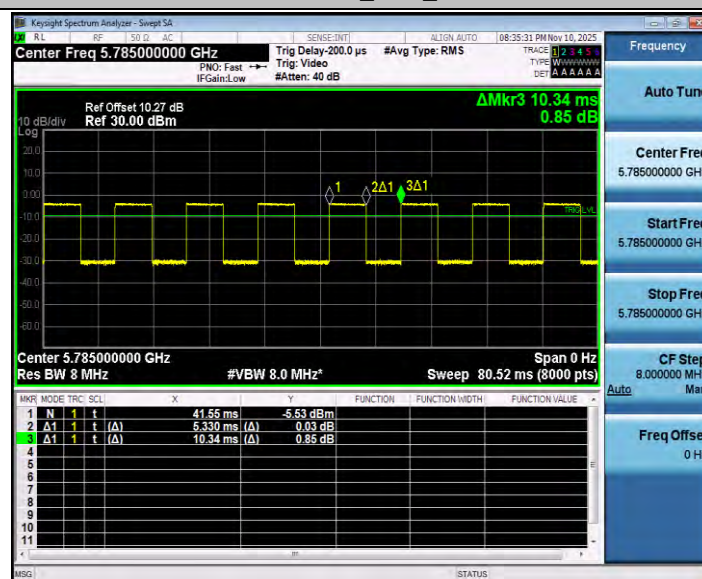
11A_Ant1_5825



11N20SISO_Ant1_5745



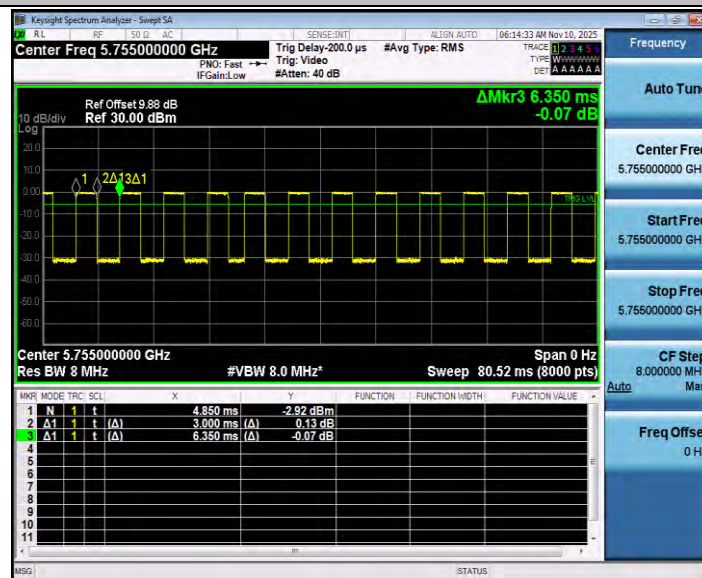
11N20SISO_Ant1_5785



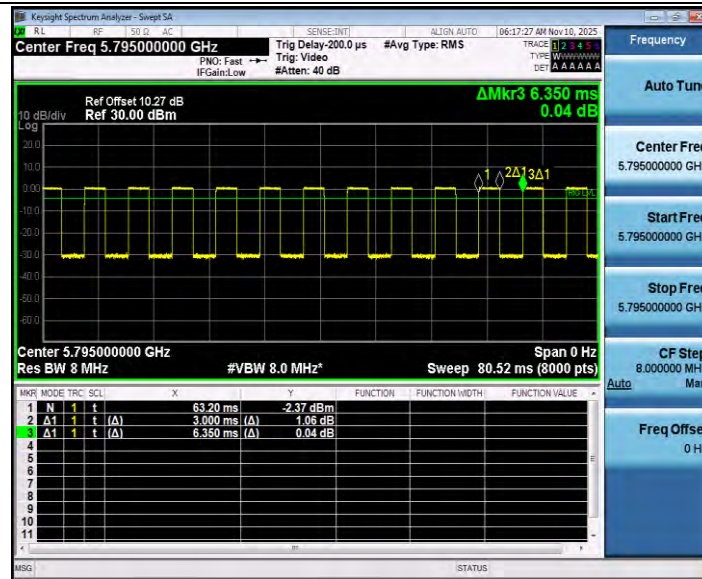
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



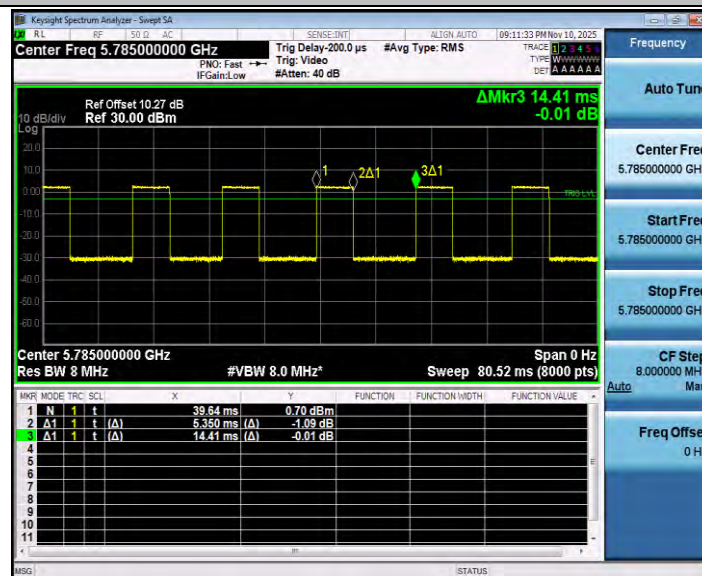
11N40SISO_Ant1_5795



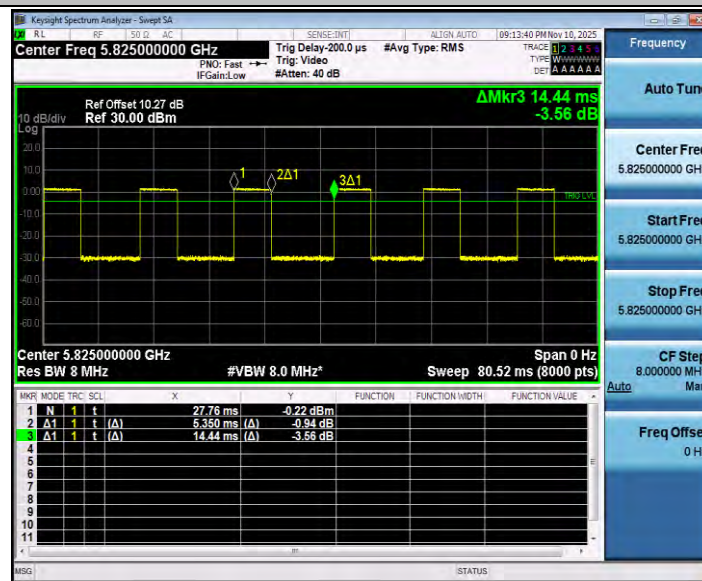
11AC20SISO_Ant1_5745



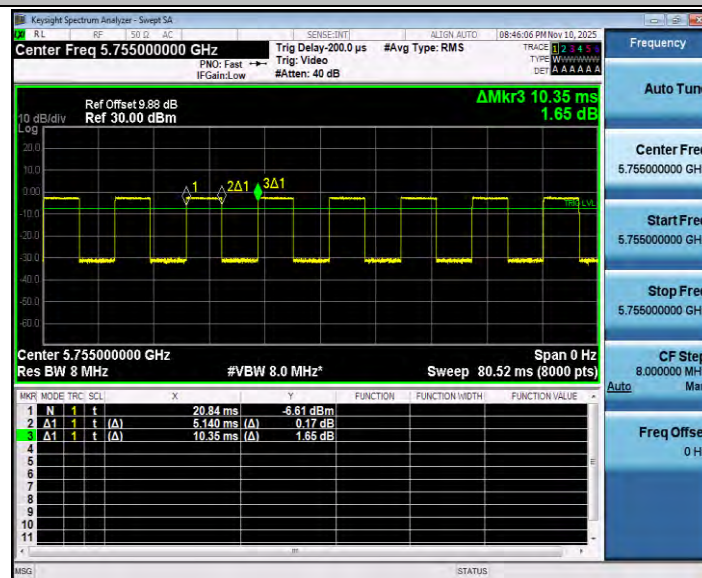
11AC20SISO_Ant1_5785



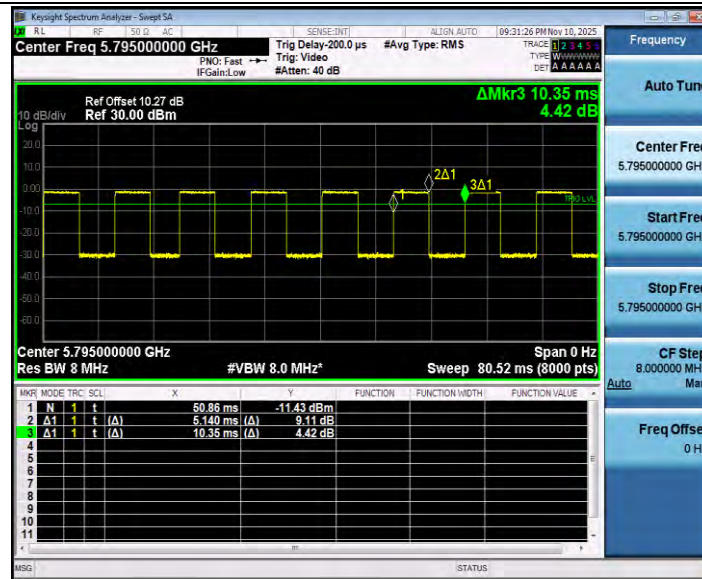
11AC20SISO_Ant1_5825



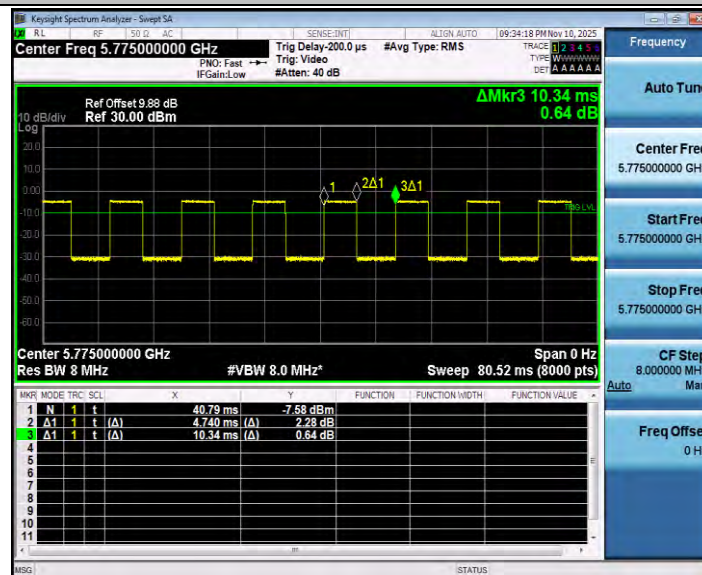
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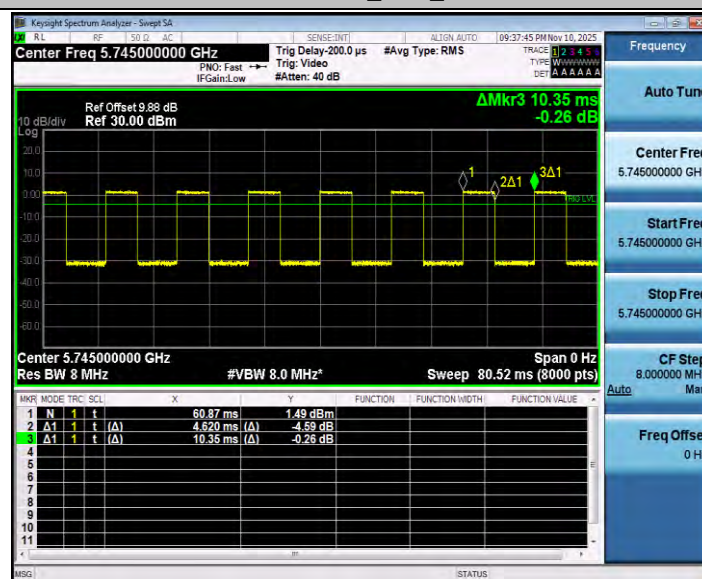
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



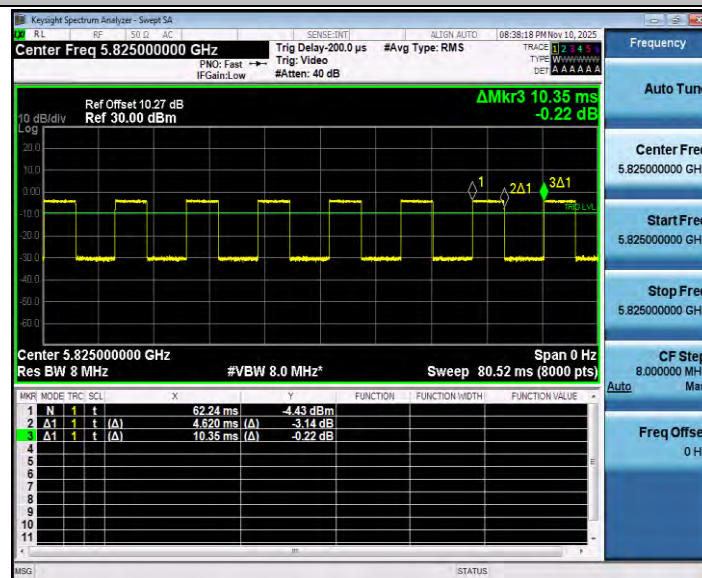
11AX20SISO_Ant1_5745



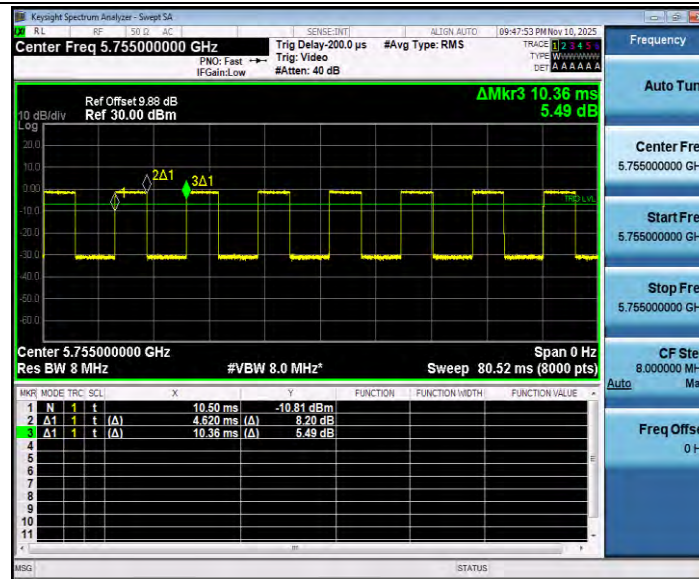
11AX20SISO_Ant1_5785



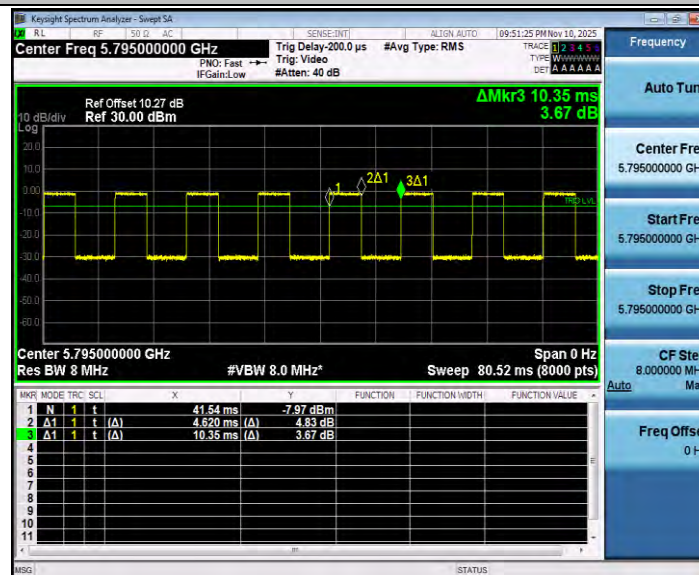
11AX20SISO_Ant1_5825



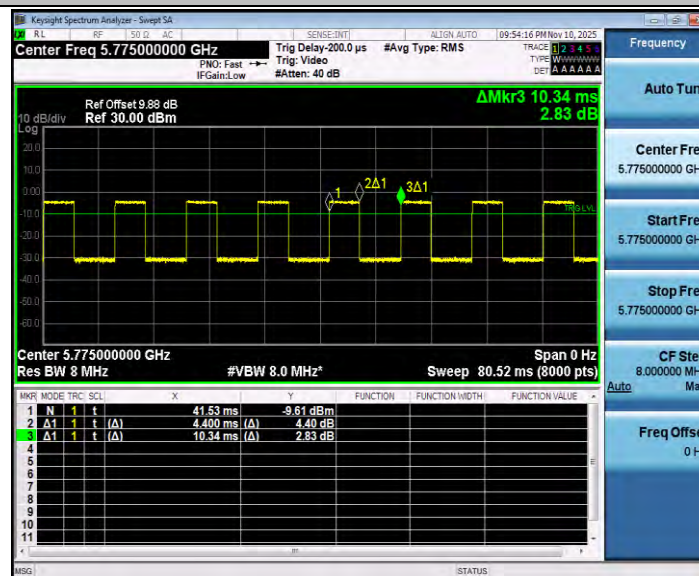
11AX40SISO_Ant1_5755



11AX40ISO_Ant1_5795



11AX80ISO_Ant1_5775



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	Ant1	5745	3.43	52.61	2.79	6.22	≤30.00	PASS
		5785	3.04	52.71	2.78	5.82	≤30.00	PASS
		5825	3.11	52.75	2.78	5.89	≤30.00	PASS
11N20SISO	Ant1	5745	1.72	51.59	2.87	4.59	≤30.00	PASS
		5785	2.99	51.55	2.88	5.87	≤30.00	PASS
		5825	3.41	51.50	2.88	6.29	≤30.00	PASS
11N40SISO	Ant1	5755	3.09	47.24	3.26	6.35	≤30.00	PASS
		5795	2.16	47.24	3.26	5.42	≤30.00	PASS
11AC20SISO	Ant1	5745	1.64	41.12	3.86	5.50	≤30.00	PASS
		5785	1.84	37.13	4.30	6.14	≤30.00	PASS
		5825	1.02	37.05	4.31	5.33	≤30.00	PASS
11AC40SISO	Ant1	5755	2.44	49.66	3.04	5.48	≤30.00	PASS
		5795	2.35	49.66	3.04	5.39	≤30.00	PASS
11AC80SISO	Ant1	5775	2.26	45.84	3.39	5.65	≤30.00	PASS
11AX20SISO	Ant1	5745	1.67	44.64	3.50	5.17	≤30.00	PASS
		5785	2.29	44.68	3.50	5.79	≤30.00	PASS
		5825	1.67	44.64	3.50	5.17	≤30.00	PASS
11AX40SISO	Ant1	5755	1.85	44.59	3.51	5.36	≤30.00	PASS
		5795	2.27	44.64	3.50	5.77	≤30.00	PASS
11AX80SISO	Ant1	5775	1.52	42.55	3.71	5.23	≤30.00	PASS

AppendixE.5: Maximum power spectral density

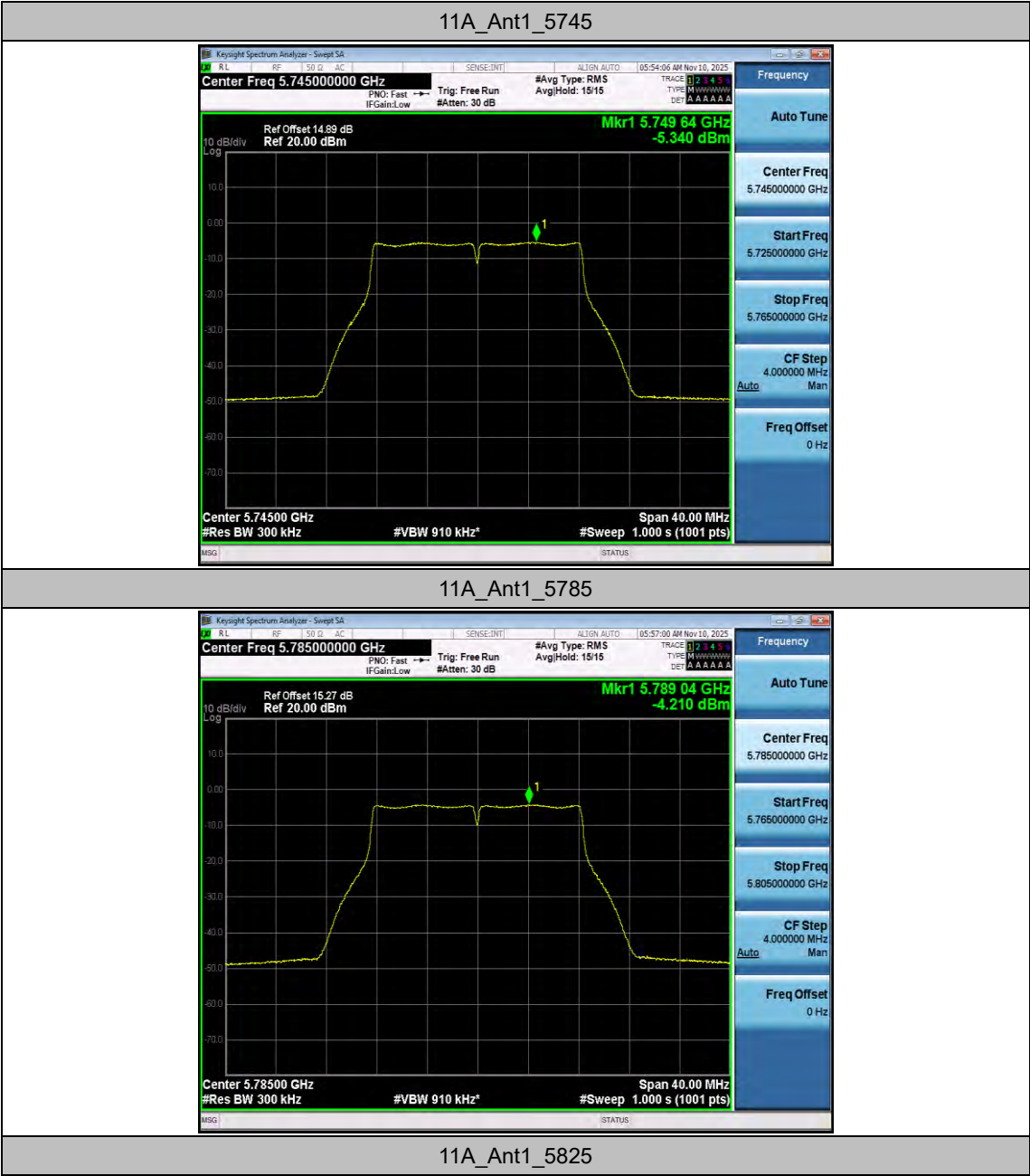
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-5.34	≤30.00	PASS
		5785	-4.21	≤30.00	PASS
		5825	-5.85	≤30.00	PASS
11N20SISO	Ant1	5745	-7.24	≤30.00	PASS
		5785	-5.91	≤30.00	PASS
		5825	-5.67	≤30.00	PASS
11N40SISO	Ant1	5755	-7.26	≤30.00	PASS
		5795	-8.45	≤30.00	PASS
11AC20SISO	Ant1	5745	-5.36	≤30.00	PASS
		5785	-4.26	≤30.00	PASS
		5825	-4.90	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.96	≤30.00	PASS
		5795	-8.71	≤30.00	PASS
11AC80SISO	Ant1	5775	-17.94	≤30.00	PASS
11AX20SISO	Ant1	5745	-6.39	≤30.00	PASS
		5785	-5.69	≤30.00	PASS
		5825	-6.27	≤30.00	PASS
11AX40SISO	Ant1	5755	-8.97	≤30.00	PASS
		5795	-8.74	≤30.00	PASS
11AX80SISO	Ant1	5775	-12.27	≤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 Factorand RBW Factoriscompensatedinthegraph.

Test Graphs





11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



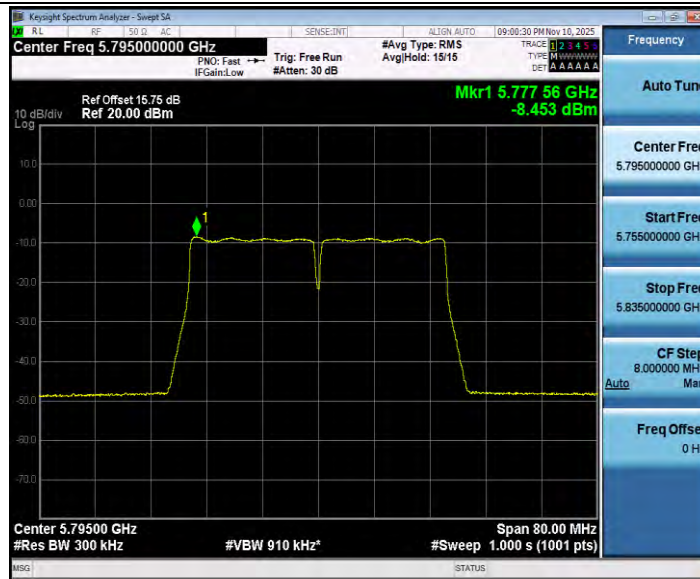
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

