

Case No. : <u>GTS20241123004-2-03</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.12.6</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.840	5753.200	0.5	PASS
		5785	16.360	5776.840	5793.200	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.240	5753.840	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.600	5816.240	5833.840	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.600	5776.240	5793.840	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.320	5776.920	5813.240	0.5	PASS
11AX20SISO	Ant1	5745	19.080	5735.520	5754.600	0.5	PASS
		5785	19.080	5775.440	5794.520	0.5	PASS
		5825	19.080	5815.480	5834.560	0.5	PASS
11AX40SISO	Ant1	5755	38.000	5736.040	5774.040	0.5	PASS
		5795	37.920	5776.200	5814.120	0.5	PASS

Test Graphs B4





11N20SISO_Ant1_5745



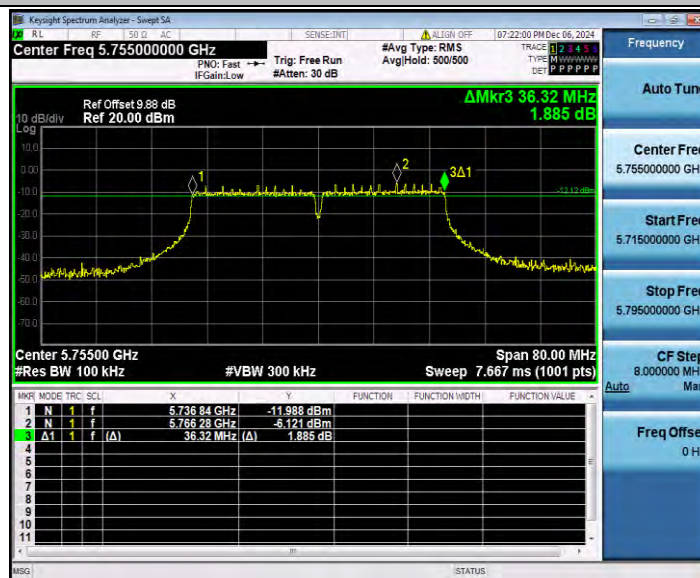
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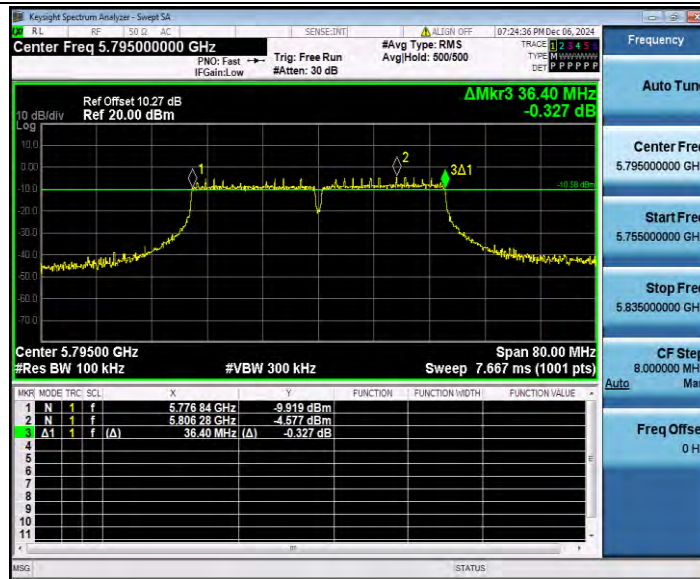
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



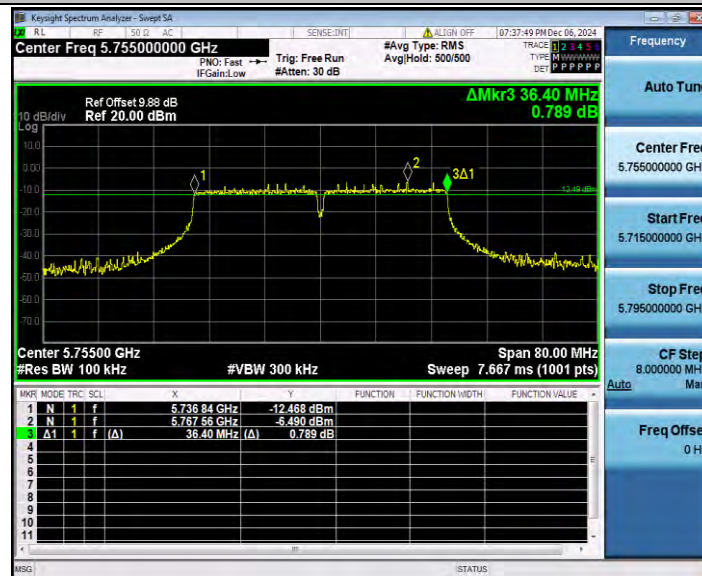
11AC20SISO_Ant1_5785



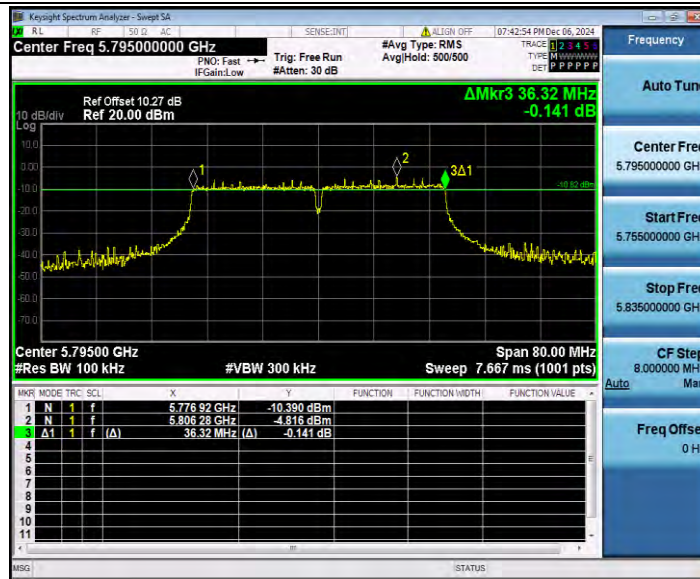
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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



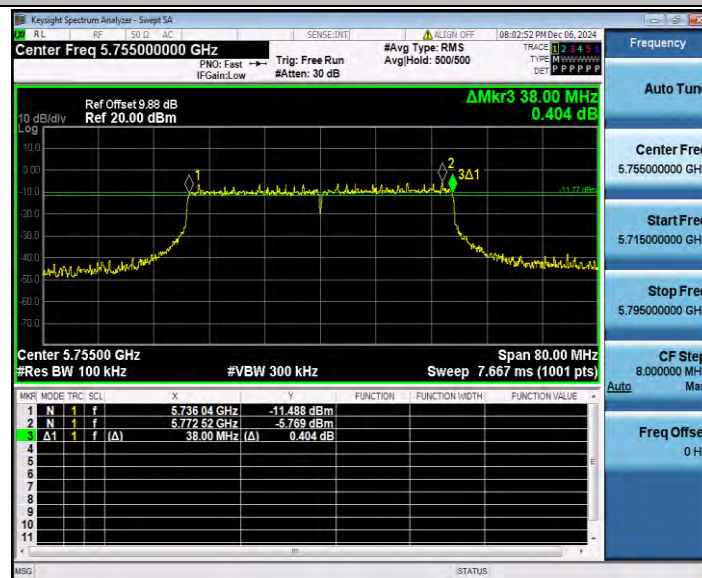
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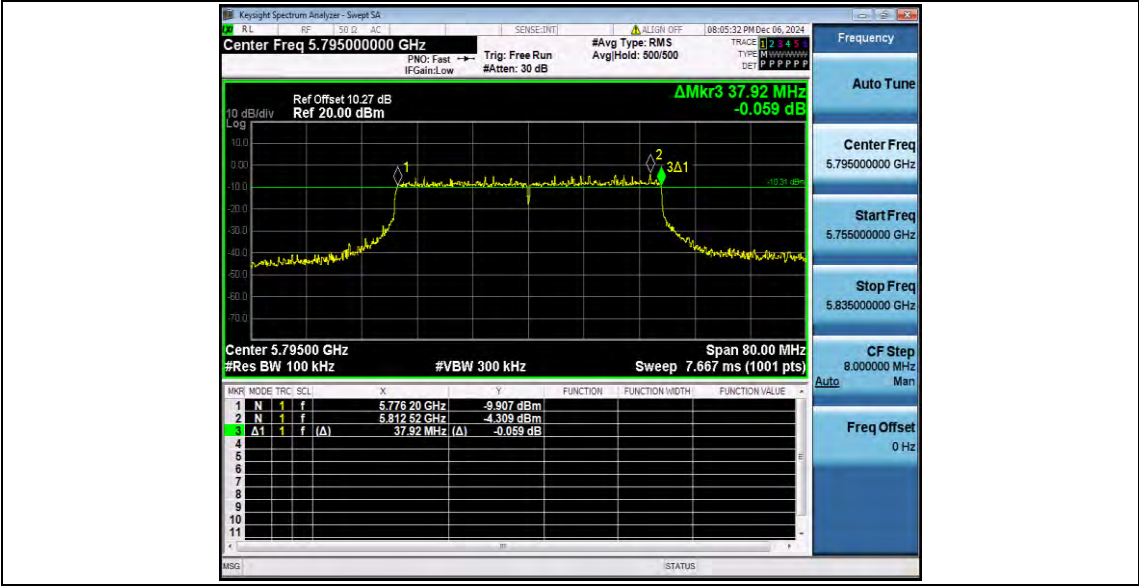
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



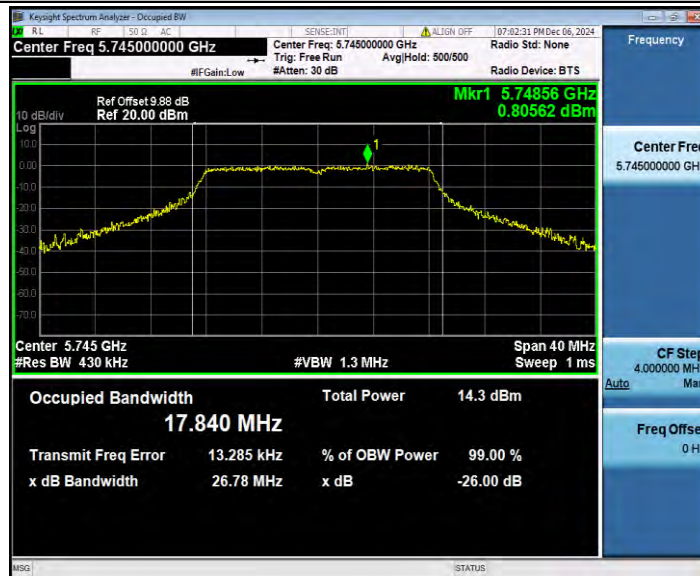
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.840	5736.0933	5753.9333	---	---
		5785	17.915	5776.0477	5793.9627	---	---
		5825	17.884	5816.0343	5833.9183	---	---
11N20SISO	Ant1	5745	19.099	5735.5522	5754.6512	---	---
		5785	19.042	5775.5510	5794.5930	---	---
		5825	19.050	5815.4671	5834.5171	---	---
11N40SISO	Ant1	5755	37.594	5736.3747	5773.9687	---	---
		5795	37.679	5776.3093	5813.9883	---	---
11AC20SISO	Ant1	5745	18.936	5735.6386	5754.5746	---	---
		5785	19.059	5775.5541	5794.6131	---	---
		5825	18.984	5815.5343	5834.5183	---	---
11AC40SISO	Ant1	5755	37.611	5736.3568	5773.9678	---	---
		5795	37.733	5776.3704	5814.1034	---	---
11AX20SISO	Ant1	5745	19.646	5735.2444	5754.8904	---	---
		5785	19.666	5775.2741	5794.9401	---	---
		5825	19.576	5815.2490	5834.8250	---	---
11AX40SISO	Ant1	5755	38.597	5735.8354	5774.4324	---	---
		5795	38.657	5775.8047	5814.4617	---	---

Test Graphs

11A_Ant1_5745



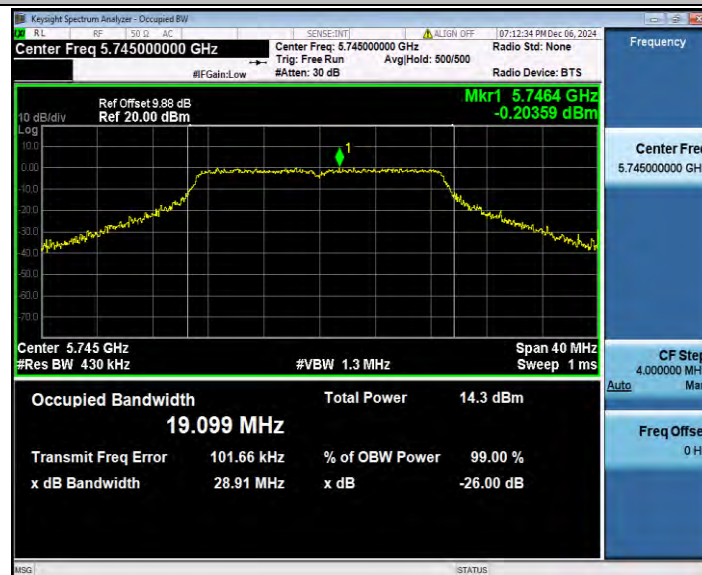
11A_Ant1_5785



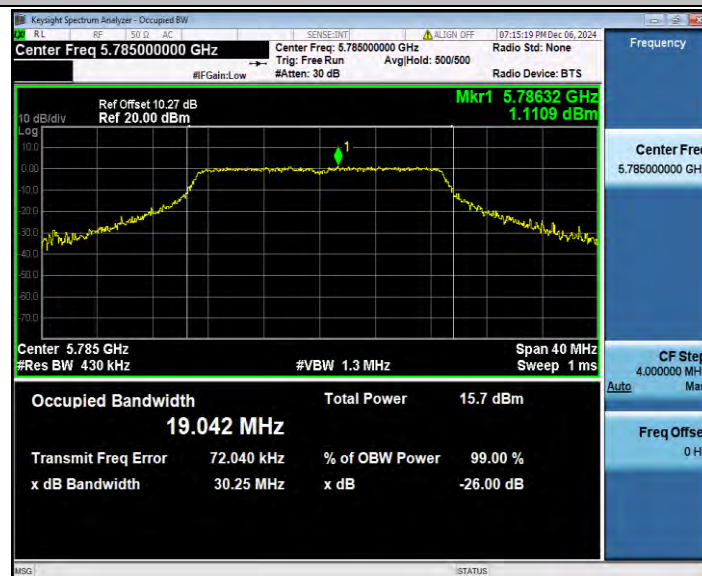
11A_Ant1_5825

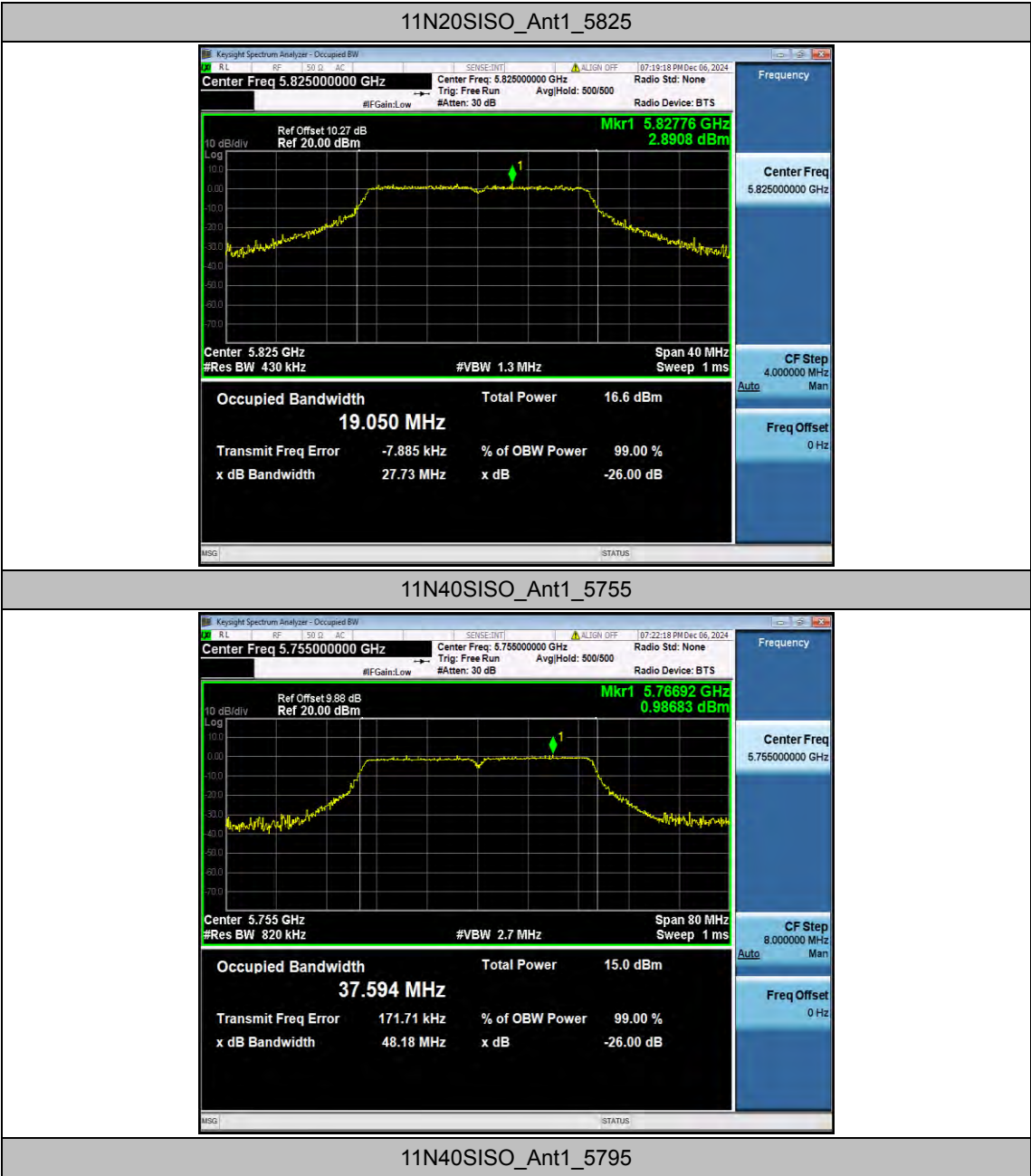


11N20SISO_Ant1_5745



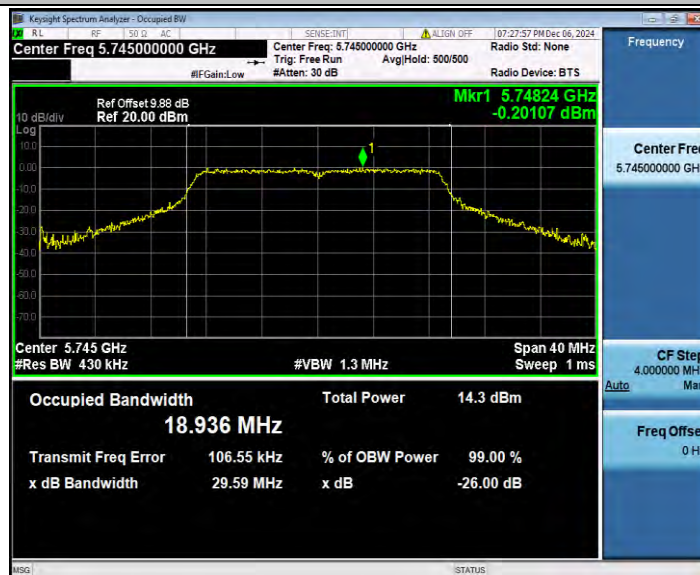
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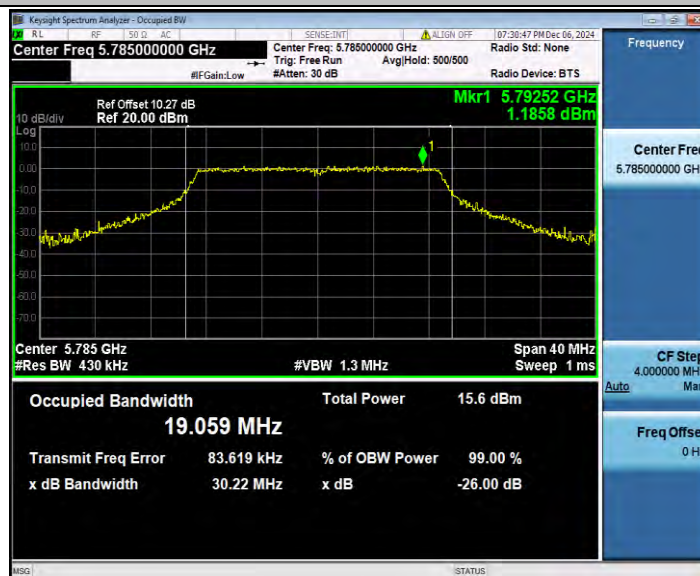




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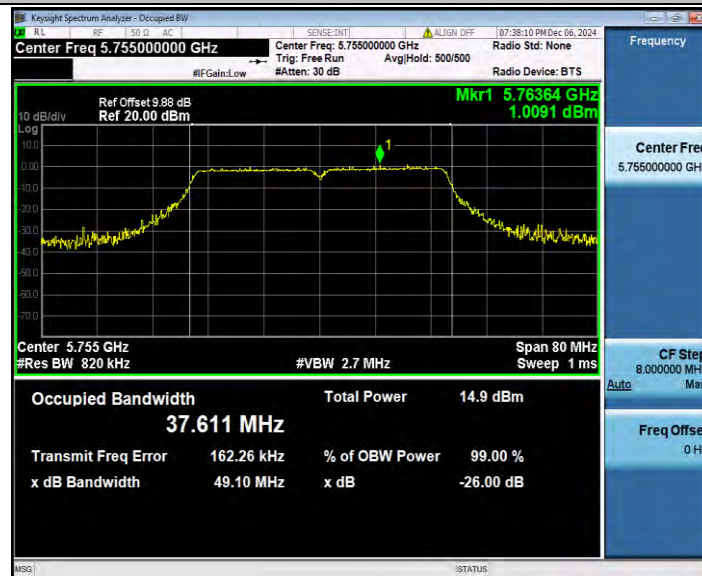
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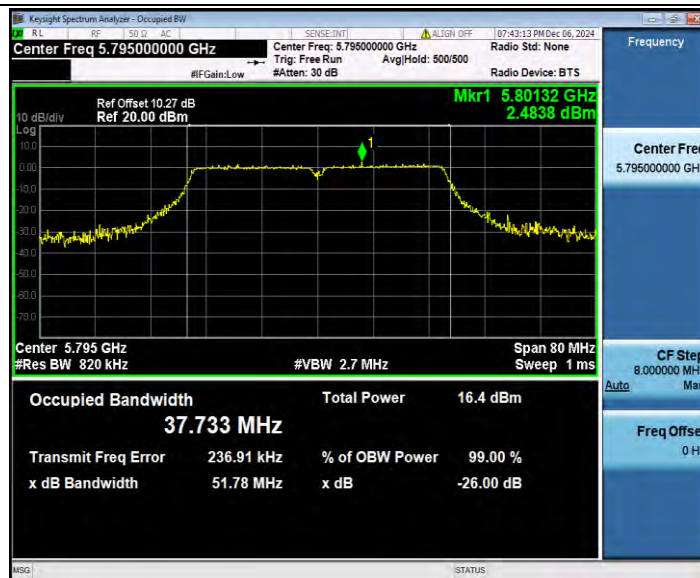
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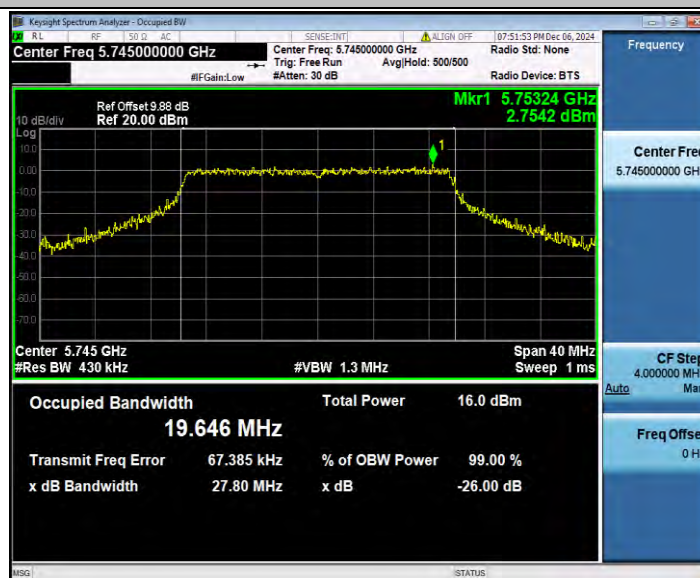
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



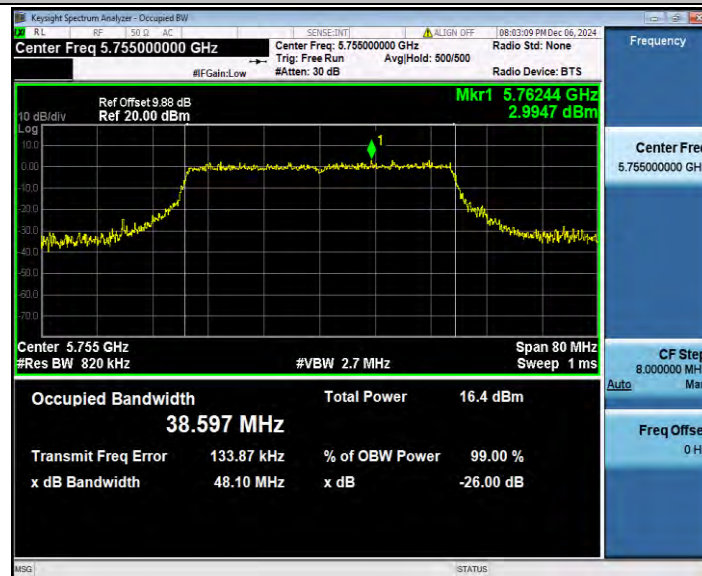
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

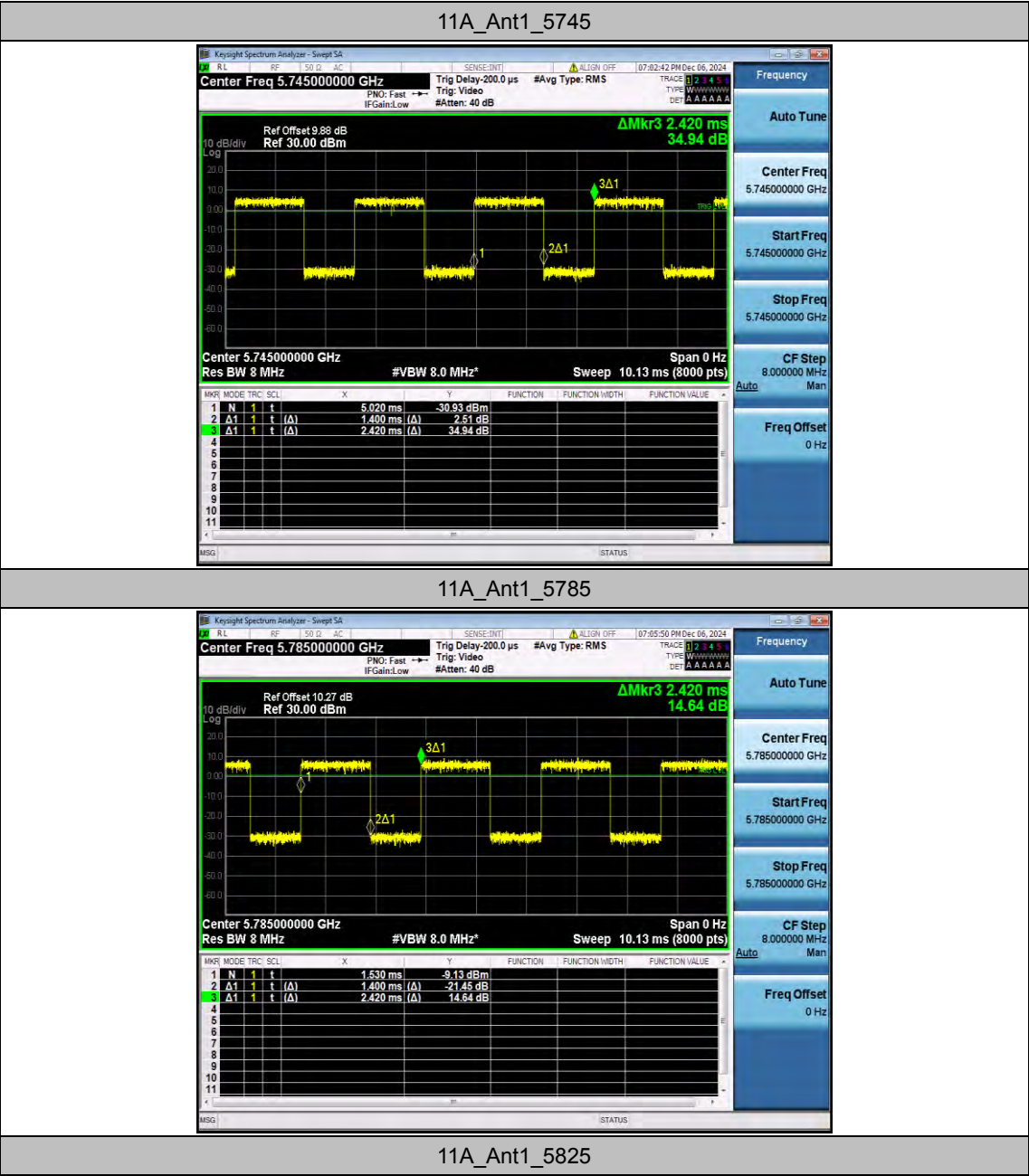


Appendix D.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.40	2.42	57.85	2.38	0.71
		5785	1.40	2.42	57.85	2.38	0.71
		5825	1.40	2.42	57.85	2.38	0.71
11N20SISO	Ant1	5745	5.09	6.11	83.31	0.79	0.20
		5785	5.09	6.11	83.31	0.79	0.20
		5825	5.09	6.11	83.31	0.79	0.20
11N40SISO	Ant1	5755	2.47	3.49	70.77	1.50	0.40
		5795	2.47	3.49	70.77	1.50	0.40
11AC20SISO	Ant1	5745	5.09	6.11	83.31	0.79	0.20
		5785	5.09	6.11	83.31	0.79	0.20
		5825	5.09	6.11	83.31	0.79	0.20
11AC40SISO	Ant1	5755	4.90	5.92	82.77	0.82	0.20
		5795	4.91	5.93	82.80	0.82	0.20
11AX20SISO	Ant1	5745	3.87	4.89	79.14	1.02	0.26
		5785	3.87	4.89	79.14	1.02	0.26
		5825	3.87	4.90	78.98	1.02	0.26
11AX40SISO	Ant1	5755	3.87	4.89	79.14	1.02	0.26
		5795	3.87	4.88	79.30	1.01	0.26

Test Graphs



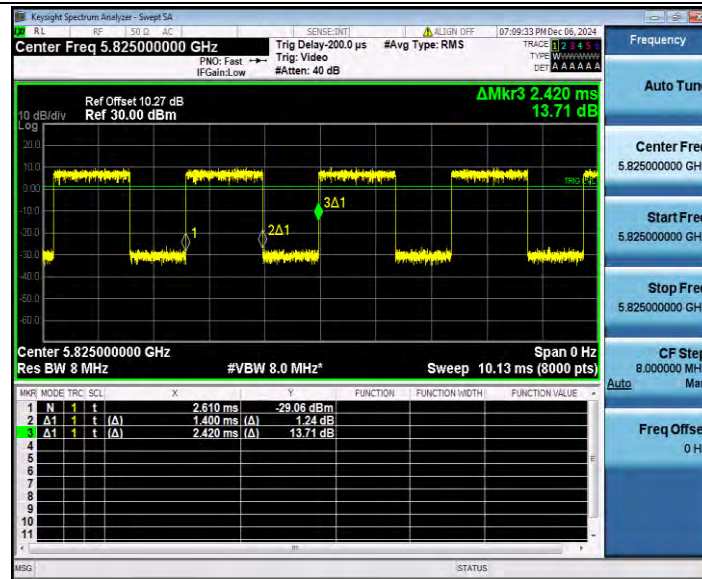
11A_Ant1_5785

Frequency

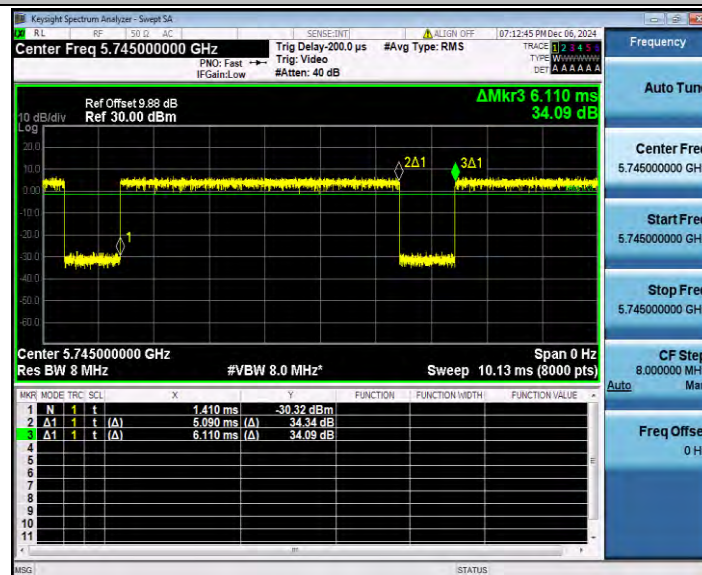
Auto Tune

Center Freq
5.785000000 GHzStart Freq
5.785000000 GHzStop Freq
5.785000000 GHzCF Step
8.0000000 MHz
Auto ManFreq Offset
0 Hz

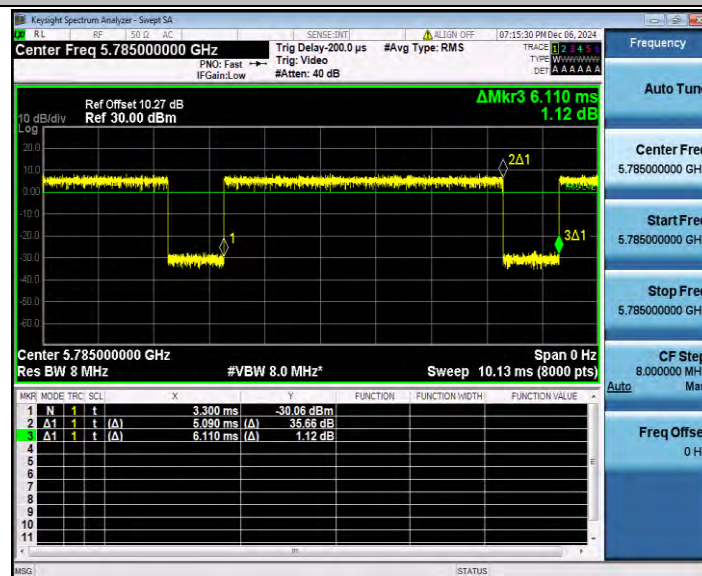
11A_Ant1_5825



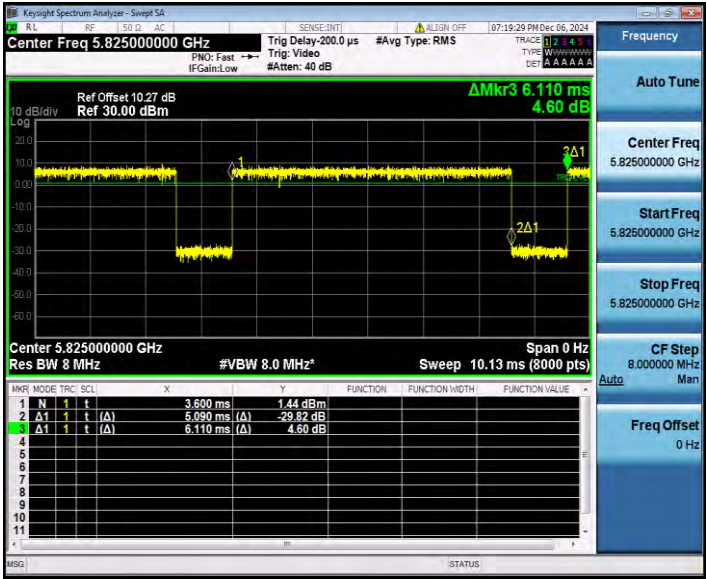
11N20SISO_Ant1_5745



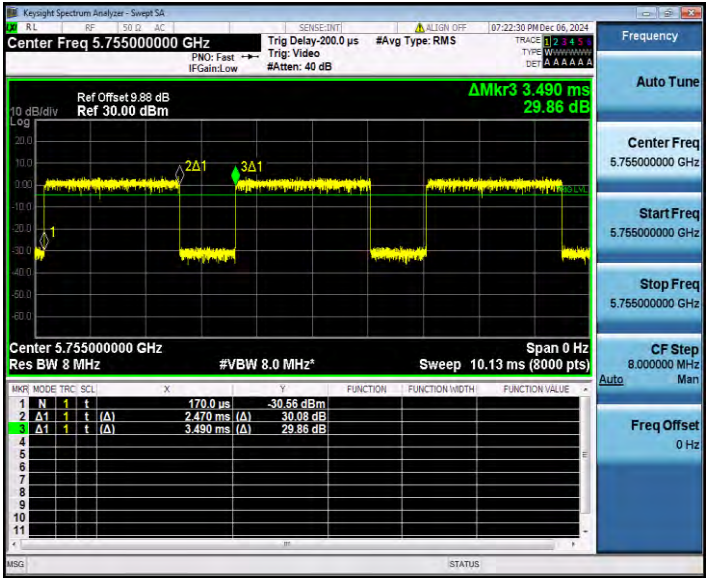
11N20SISO_Ant1_5785



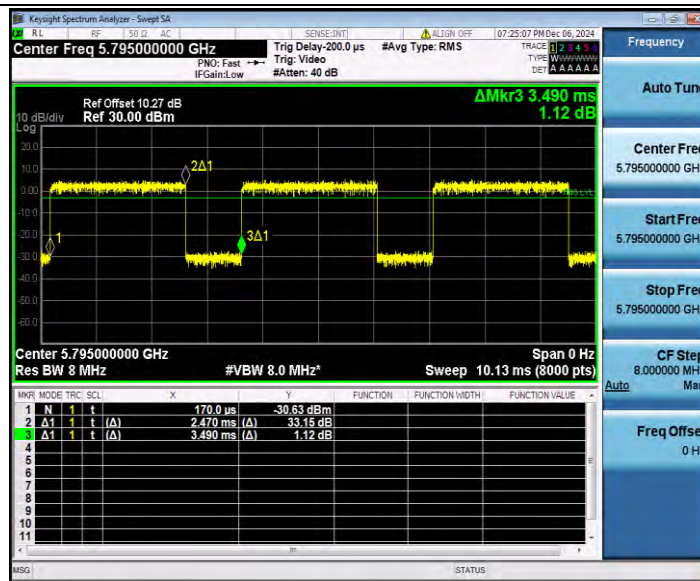
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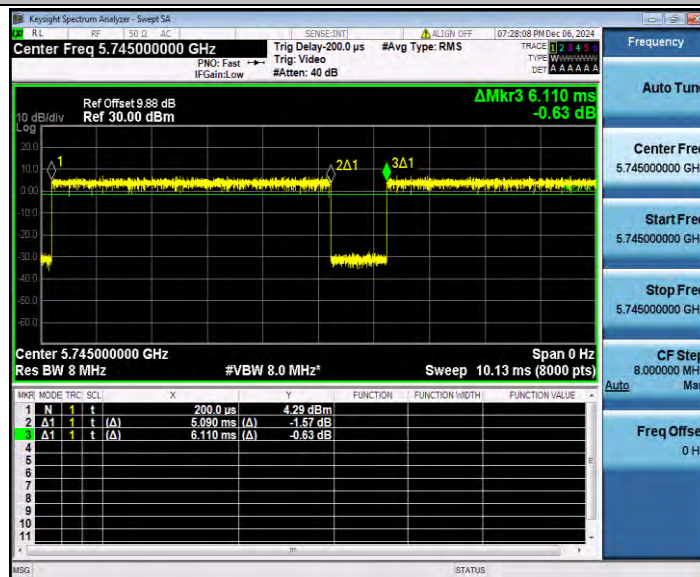
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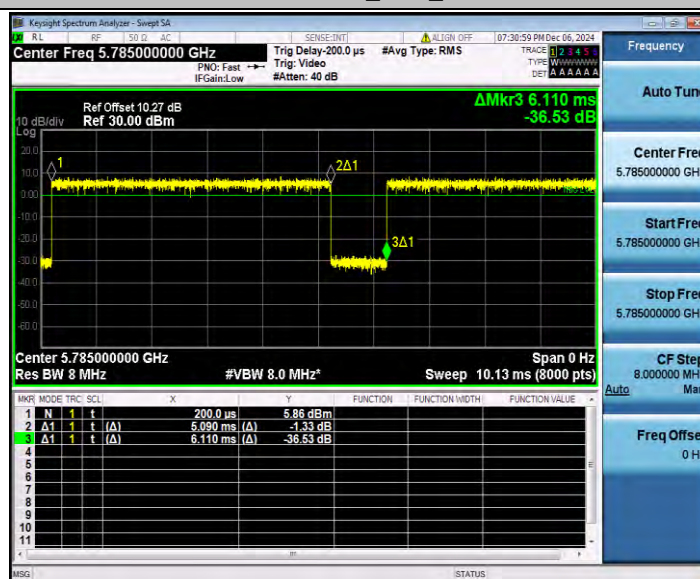
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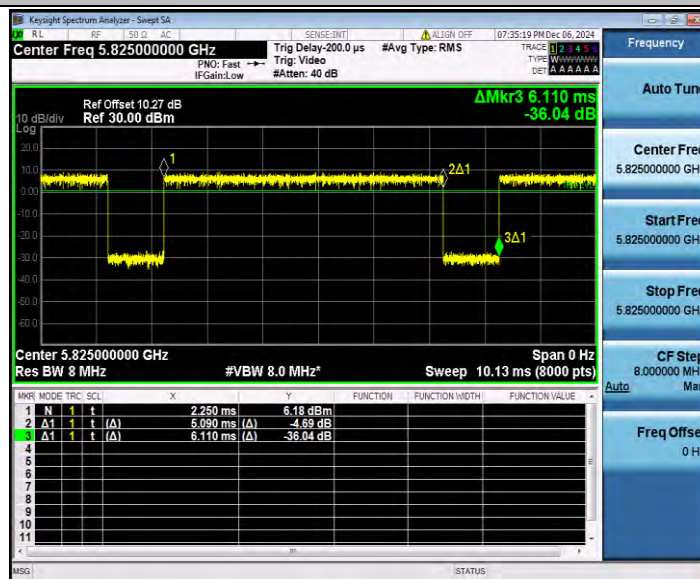
11AC20SISO_Ant1_5745



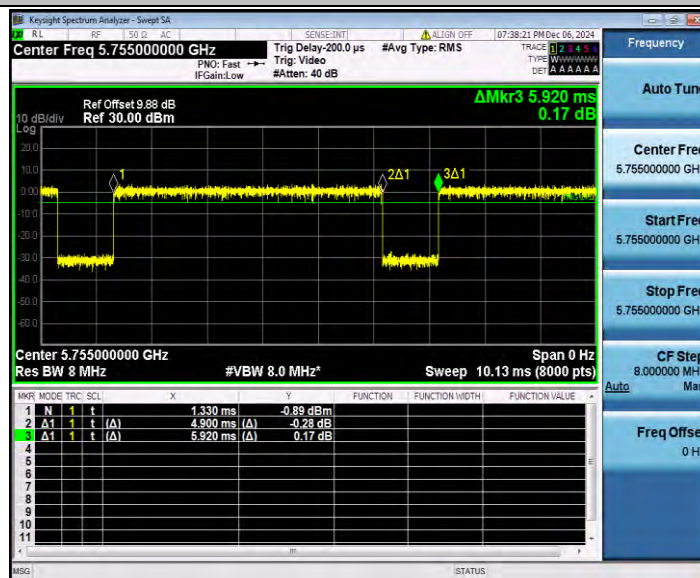
11AC20SISO_Ant1_5785



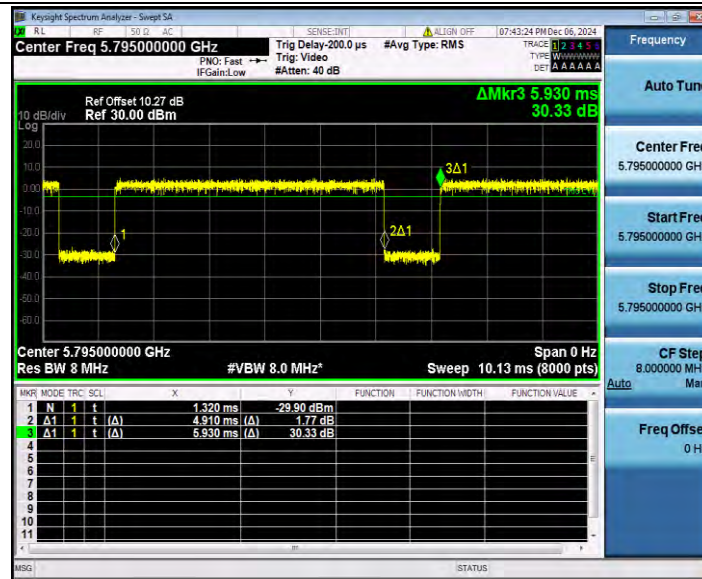
11AC20SISO_Ant1_5825



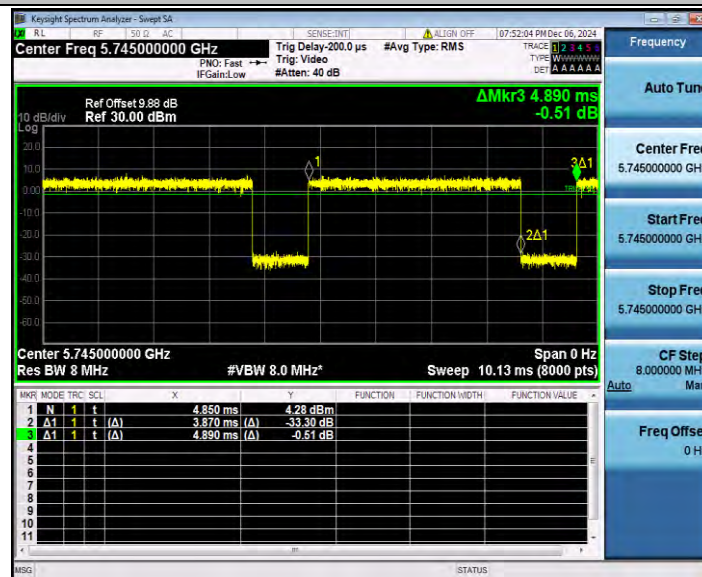
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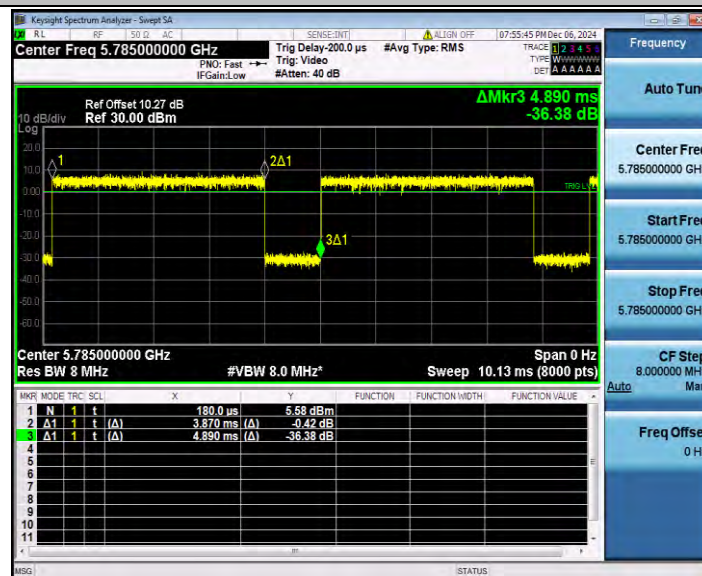
11AC40SISO_Ant1_5795



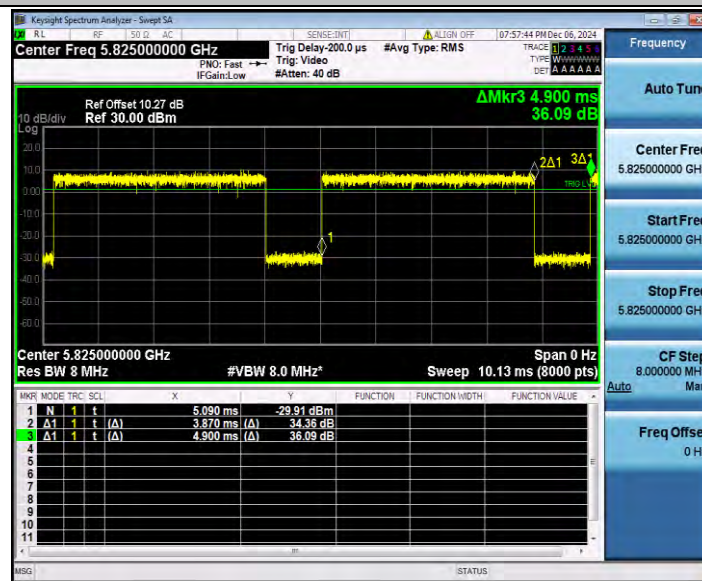
11AX20SISO_Ant1_5745



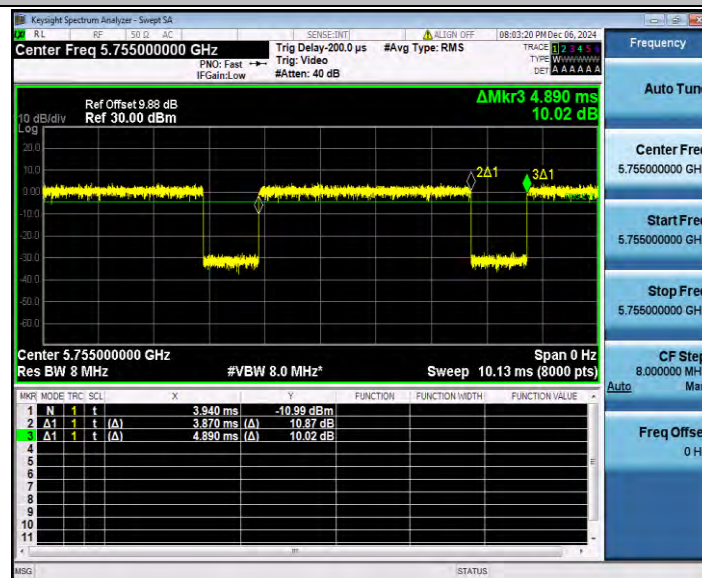
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

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	Ant1	5745	5.50	57.85	2.38	7.88	≤30.00	PASS
		5785	6.78	57.85	2.38	9.16	≤30.00	PASS
		5825	7.62	57.85	2.38	10.00	≤30.00	PASS
11N20SISO	Ant1	5745	6.73	83.31	0.79	7.52	≤30.00	PASS
		5785	8.07	83.31	0.79	8.86	≤30.00	PASS
		5825	9.01	83.31	0.79	9.80	≤30.00	PASS
11N40SISO	Ant1	5755	6.21	70.77	1.50	7.71	≤30.00	PASS
		5795	7.76	70.77	1.50	9.26	≤30.00	PASS
11AC20SISO	Ant1	5745	6.75	83.31	0.79	7.54	≤30.00	PASS
		5785	7.98	83.31	0.79	8.77	≤30.00	PASS
		5825	8.95	83.31	0.79	9.74	≤30.00	PASS
11AC40SISO	Ant1	5755	6.82	82.77	0.82	7.64	≤30.00	PASS
		5795	8.16	82.80	0.82	8.98	≤30.00	PASS
11AX20SISO	Ant1	5745	6.80	79.14	1.02	7.82	≤30.00	PASS
		5785	8.25	79.14	1.02	9.27	≤30.00	PASS
		5825	9.21	78.98	1.02	10.23	≤30.00	PASS
11AX40SISO	Ant1	5755	6.74	79.14	1.02	7.76	≤30.00	PASS
		5795	8.13	79.30	1.01	9.14	≤30.00	PASS

Appendix D.5: Maximum power spectral density

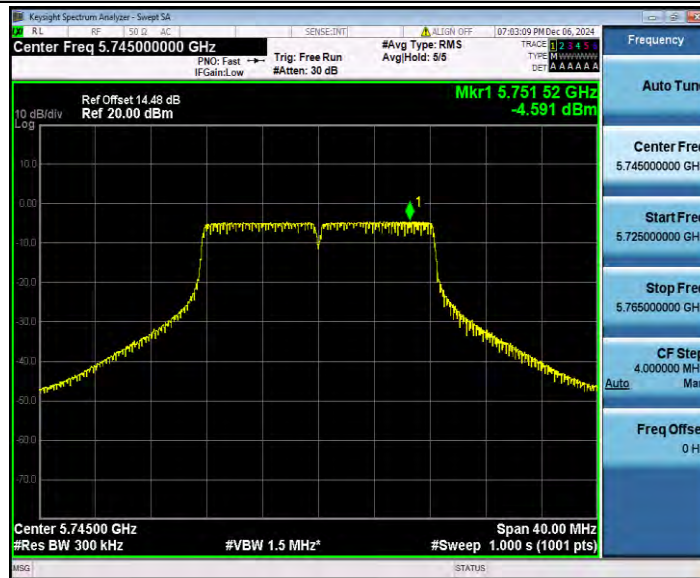
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-4.59	≤30.00	PASS
		5785	-3.04	≤30.00	PASS
		5825	-2.21	≤30.00	PASS
11N20SISO	Ant1	5745	-6.51	≤30.00	PASS
		5785	-5.09	≤30.00	PASS
		5825	-4.48	≤30.00	PASS
11N40SISO	Ant1	5755	-8.14	≤30.00	PASS
		5795	-6.58	≤30.00	PASS
11AC20SISO	Ant1	5745	-6.60	≤30.00	PASS
		5785	-5.17	≤30.00	PASS
		5825	-4.43	≤30.00	PASS
11AC40SISO	Ant1	5755	-9.06	≤30.00	PASS
		5795	-7.54	≤30.00	PASS
11AX20SISO	Ant1	5745	-6.60	≤30.00	PASS
		5785	-5.20	≤30.00	PASS
		5825	-4.32	≤30.00	PASS
11AX40SISO	Ant1	5755	-9.23	≤30.00	PASS
		5795	-7.63	≤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

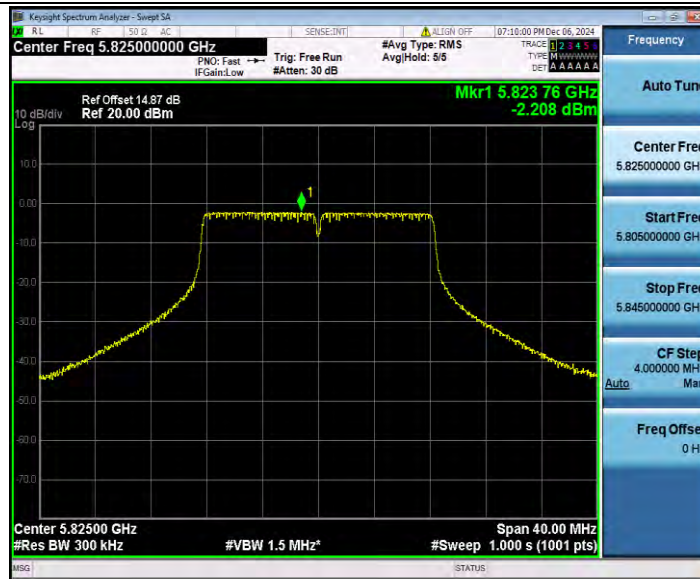
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



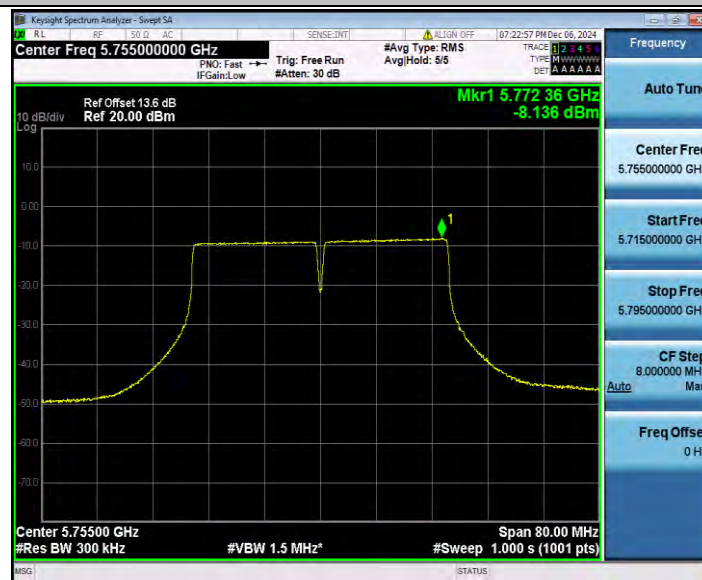
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



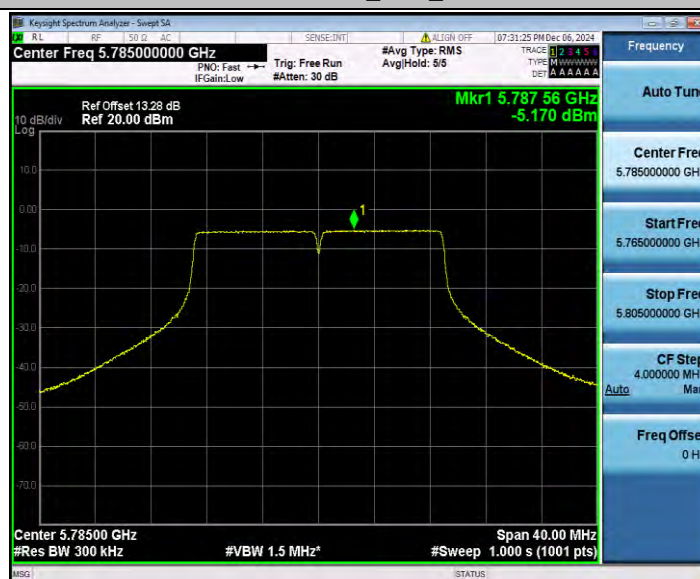
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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



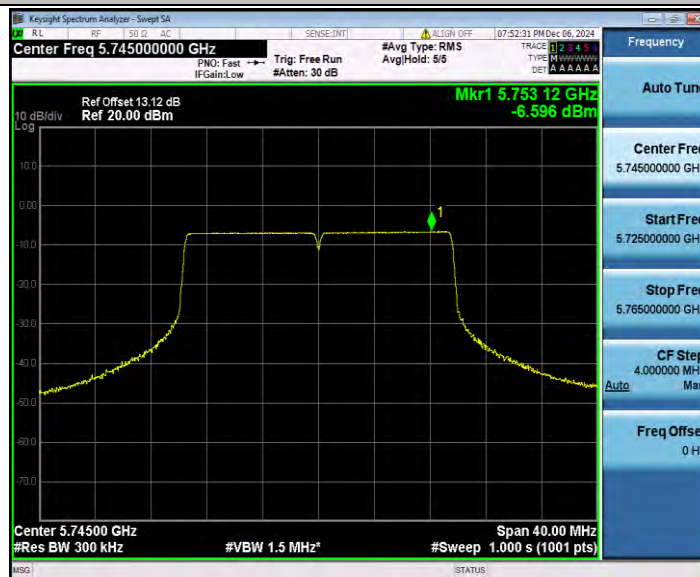
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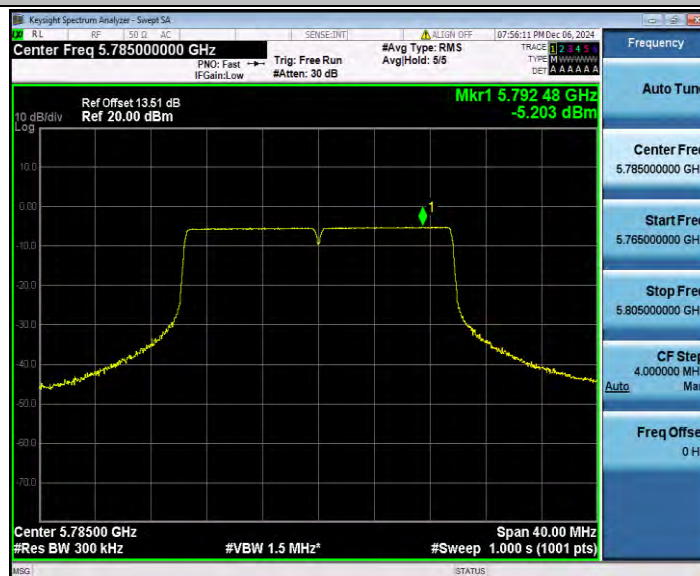
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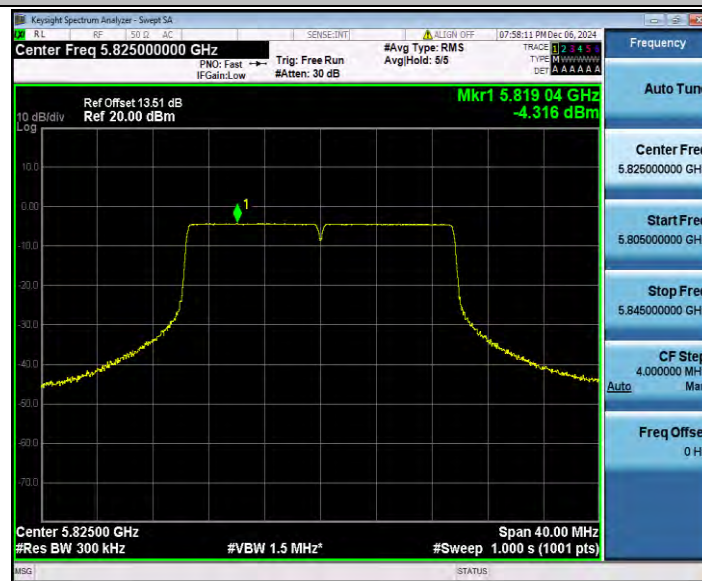
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

