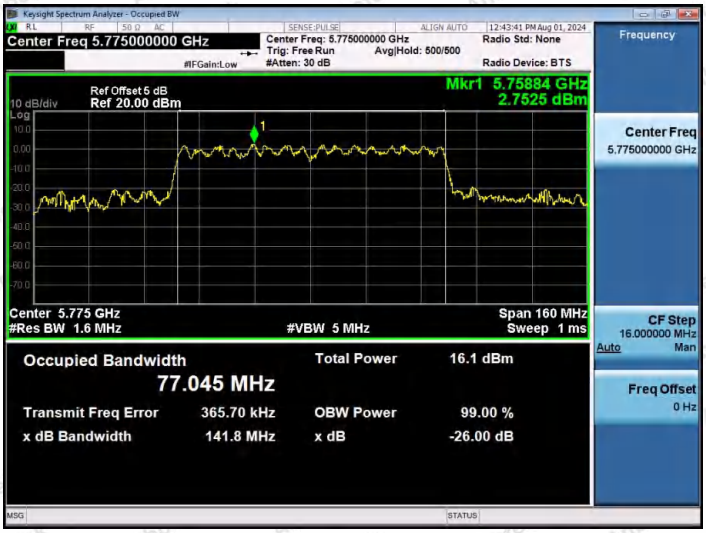
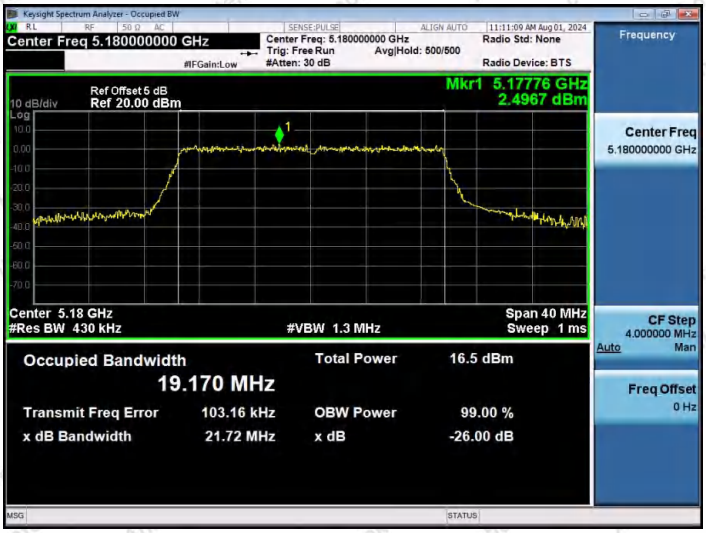
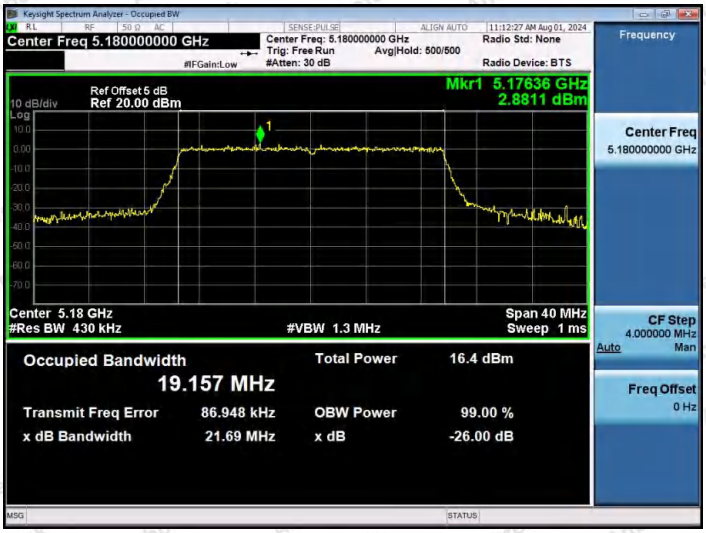


11AC80MIMO-Ant1-5775

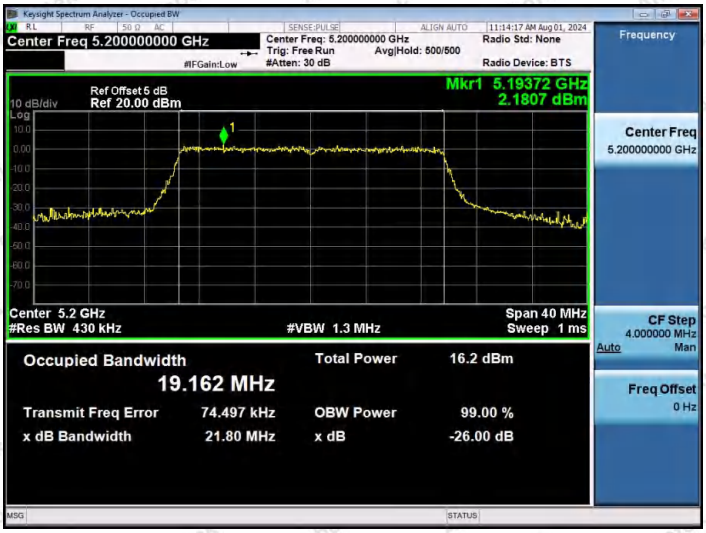
11AC80MIMO-Ant2-5775



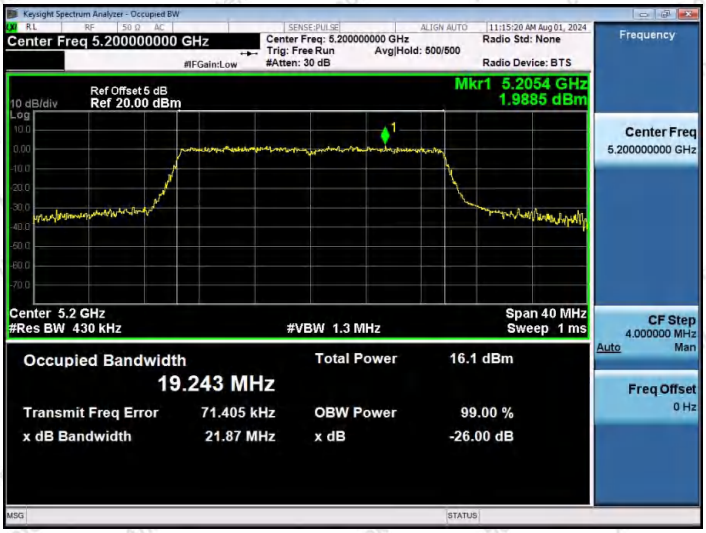
11AX20MIMO-Ant1-5180



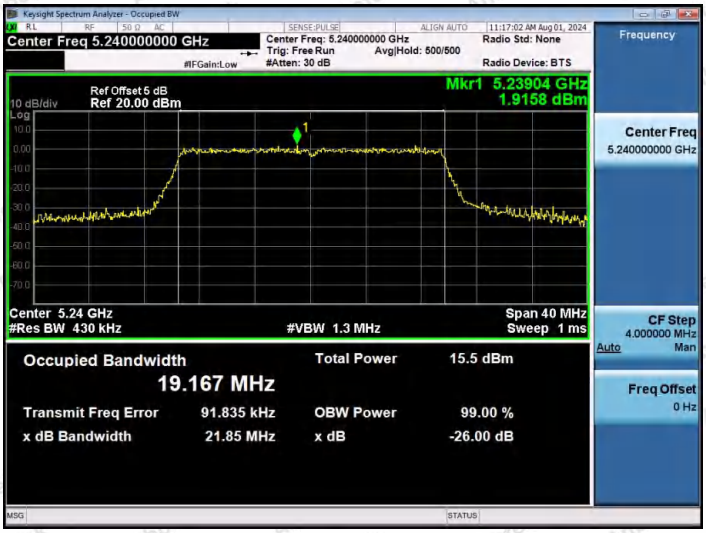
11AX20MIMO-Ant2-5180



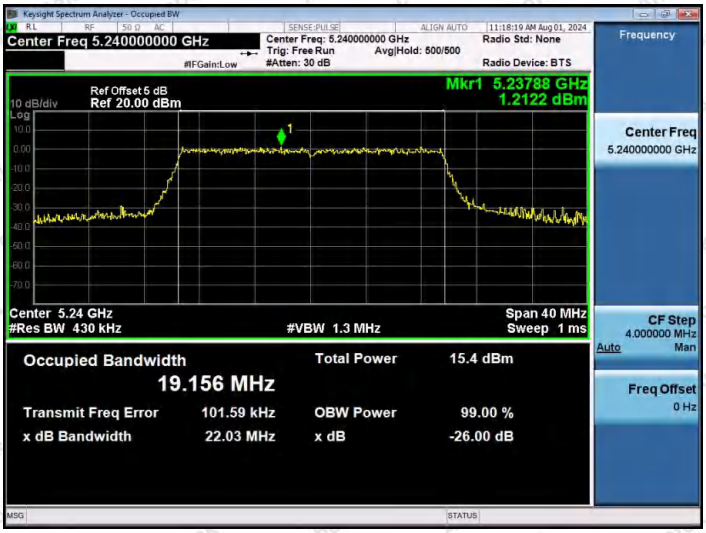
11AX20MIMO-Ant1-5200



11AX20MIMO-Ant2-5200

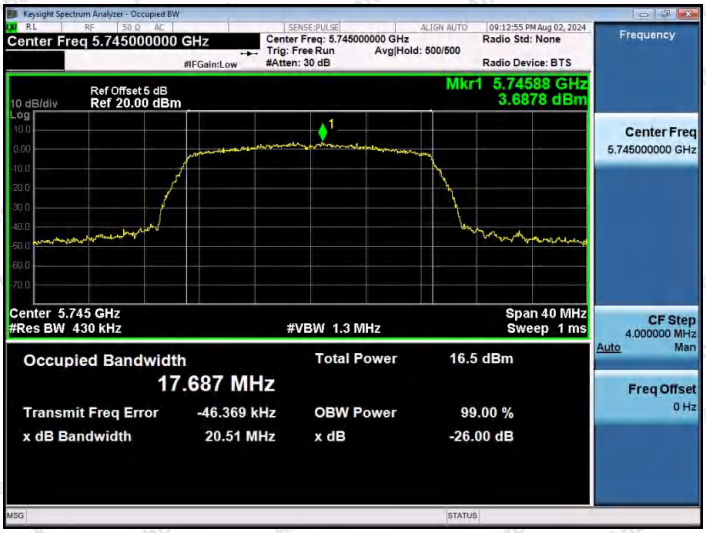


11AX20MIMO-Ant1-5240



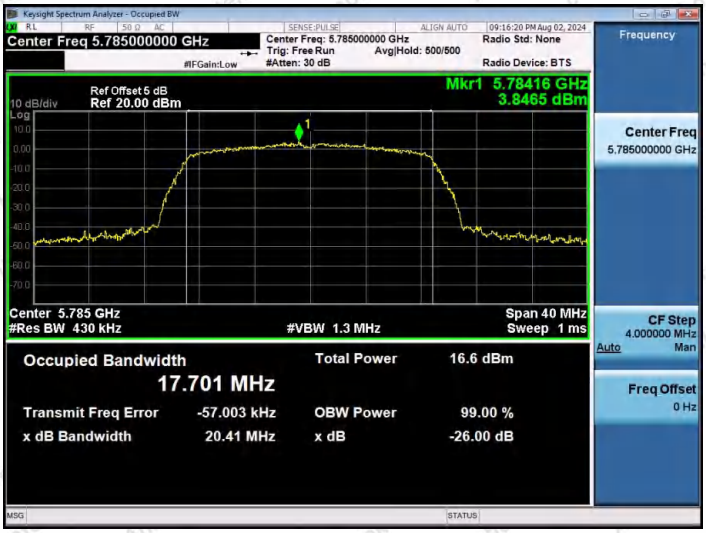
11AX20MIMO-Ant2-5240

11AX20MIMO-Ant1-5745



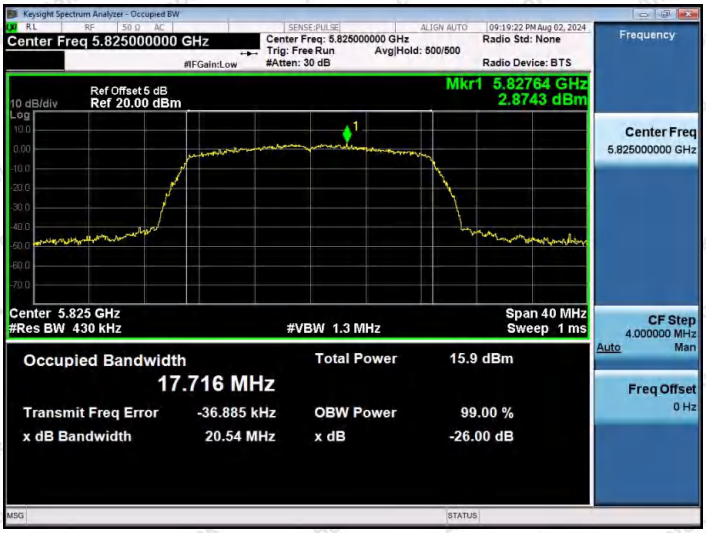
11AX20MIMO-Ant2-5745

11AX20MIMO-Ant1-5785

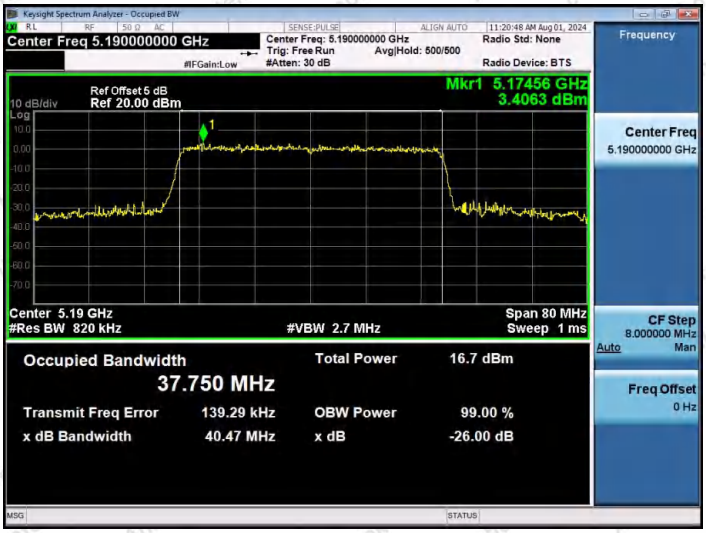


11AX20MIMO-Ant2-5785

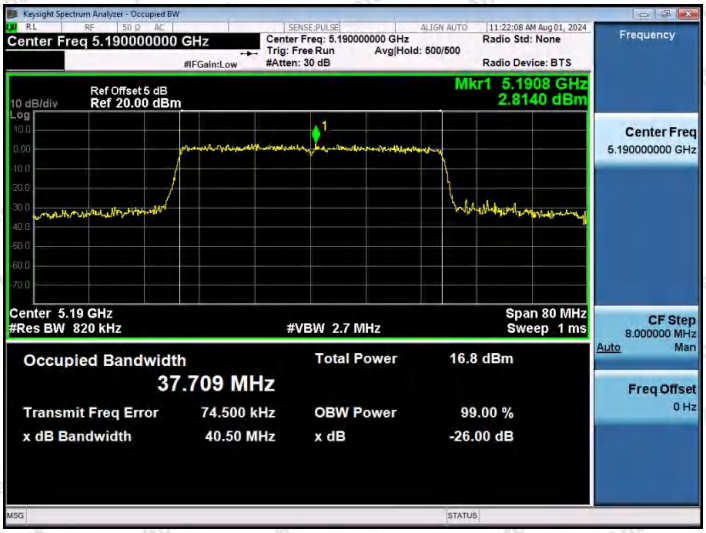
11AX20MIMO-Ant1-5825



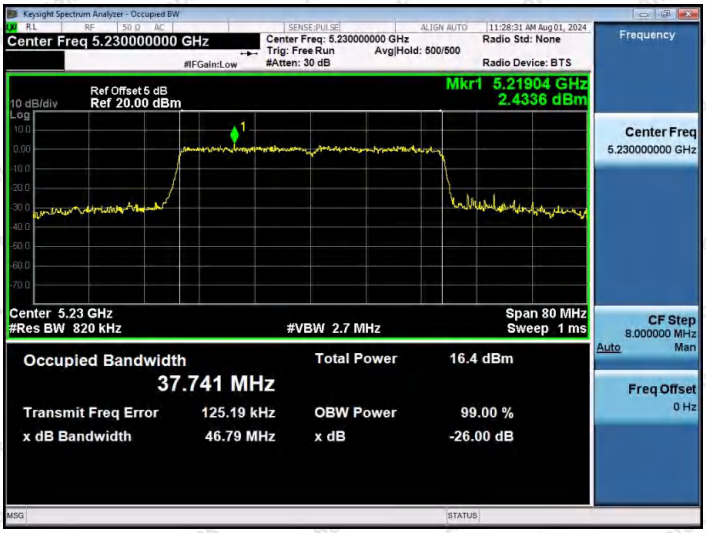
11AX20MIMO-Ant2-5825



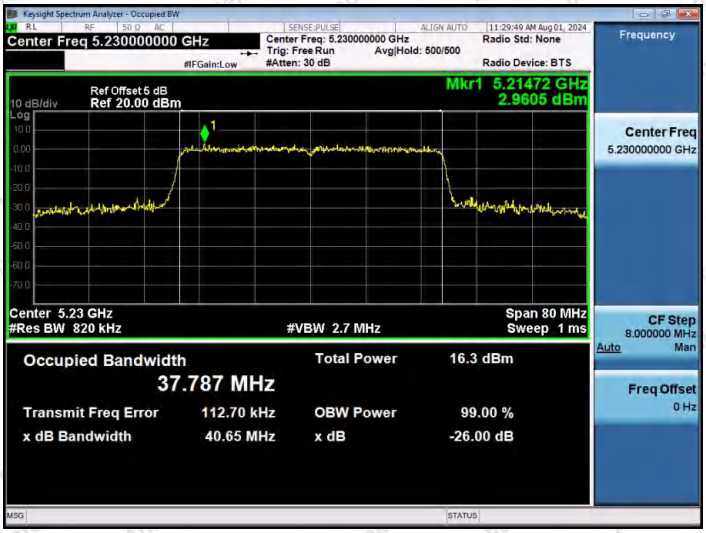
11AX40MIMO-Ant1-5190



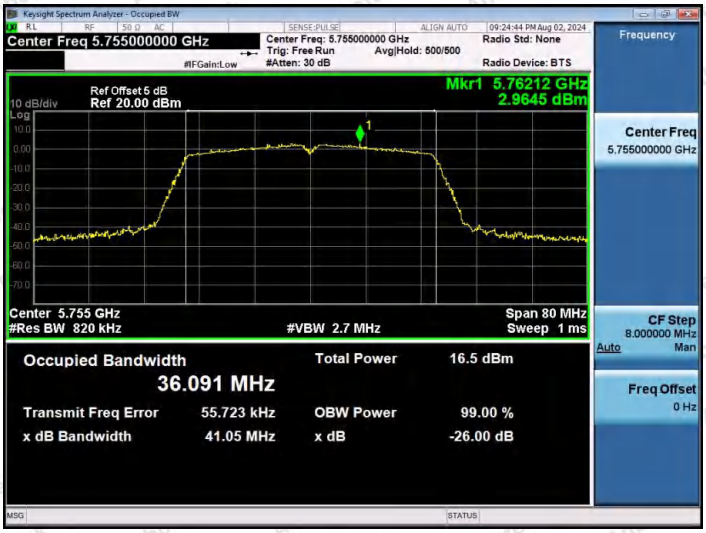
11AX40MIMO-Ant2-5190



11AX40MIMO-Ant1-5230



11AX40MIMO-Ant2-5230

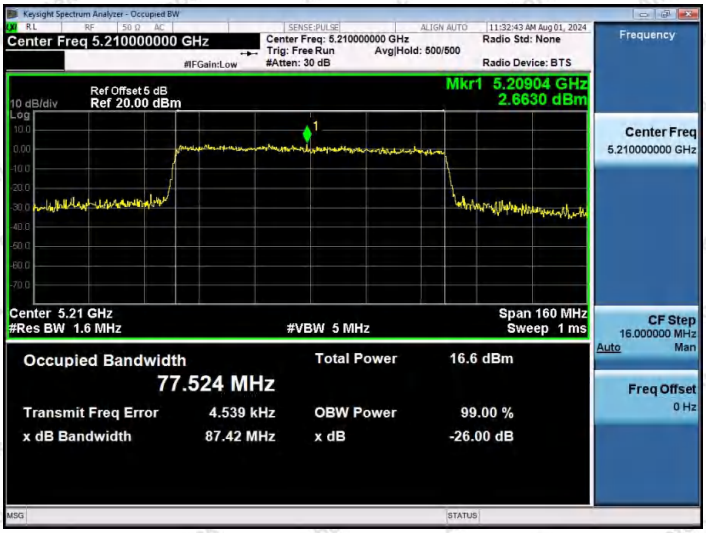


11AX40MIMO-Ant1-5755

11AX40MIMO-Ant2-5755

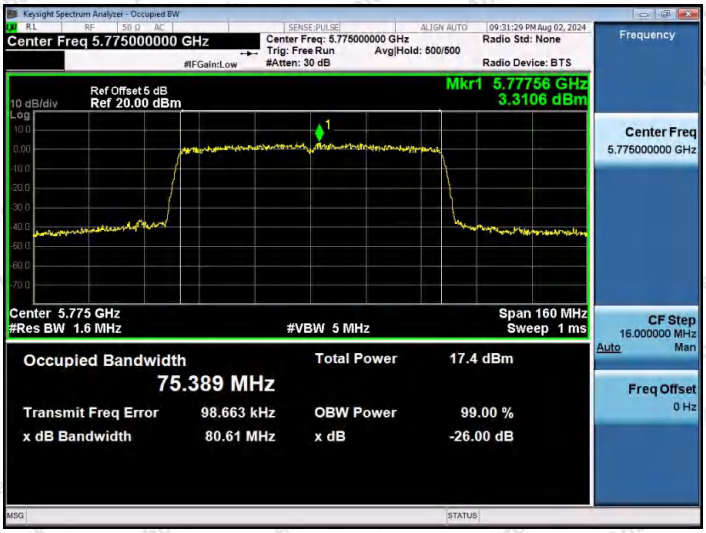
11AX40MIMO-Ant1-5795

11AX40MIMO-Ant2-5795



11AX80MIMO-Ant1-5210

11AX80MIMO-Ant2-5210



11AX80MIMO-Ant1-5775

11AX80MIMO-Ant2-5775

Appendix A3: Minimum 6dB Bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.920	5753.240	0.5	PASS
11A	Ant2	5745	16.320	5736.920	5753.240	0.5	PASS
11A	Ant1	5785	16.320	5776.920	5793.240	0.5	PASS
11A	Ant2	5785	16.320	5776.920	5793.240	0.5	PASS
11A	Ant1	5825	16.280	5816.960	5833.240	0.5	PASS
11A	Ant2	5825	15.760	5817.200	5832.960	0.5	PASS
11N20MIMO	Ant1	5745	15.160	5737.520	5752.680	0.5	PASS
11N20MIMO	Ant2	5745	15.120	5737.480	5752.600	0.5	PASS
11N20MIMO	Ant1	5785	15.120	5777.520	5792.640	0.5	PASS
11N20MIMO	Ant2	5785	15.360	5777.320	5792.680	0.5	PASS
11N20MIMO	Ant1	5825	15.160	5817.480	5832.640	0.5	PASS
11N20MIMO	Ant2	5825	15.280	5817.320	5832.600	0.5	PASS
11N40MIMO	Ant1	5755	35.680	5736.920	5772.600	0.5	PASS
11N40MIMO	Ant2	5755	35.200	5737.480	5772.680	0.5	PASS
11N40MIMO	Ant1	5795	35.120	5777.480	5812.600	0.5	PASS
11N40MIMO	Ant2	5795	31.280	5777.480	5808.760	0.5	PASS
11AC20MIMO	Ant1	5745	15.360	5737.480	5752.840	0.5	PASS
11AC20MIMO	Ant2	5745	15.600	5737.280	5752.880	0.5	PASS
11AC20MIMO	Ant1	5785	15.200	5777.320	5792.520	0.5	PASS
11AC20MIMO	Ant2	5785	15.120	5777.480	5792.600	0.5	PASS
11AC20MIMO	Ant1	5825	15.640	5817.200	5832.840	0.5	PASS
11AC20MIMO	Ant2	5825	15.120	5817.480	5832.600	0.5	PASS
11AC40MIMO	Ant1	5755	35.040	5737.560	5772.600	0.5	PASS
11AC40MIMO	Ant2	5755	35.120	5737.480	5772.600	0.5	PASS
11AC40MIMO	Ant1	5795	35.360	5777.320	5812.680	0.5	PASS
11AC40MIMO	Ant2	5795	35.120	5777.480	5812.600	0.5	PASS
11AC80MIMO	Ant1	5775	75.360	5737.560	5812.920	0.5	PASS
11AC80MIMO	Ant2	5775	75.360	5737.560	5812.920	0.5	PASS
11AX20MIMO	Ant1	5745	15.960	5737.360	5753.320	0.5	PASS
11AX20MIMO	Ant2	5745	13.880	5738.600	5752.480	0.5	PASS
11AX20MIMO	Ant1	5785	15.120	5777.360	5792.480	0.5	PASS
11AX20MIMO	Ant2	5785	13.840	5777.400	5791.240	0.5	PASS
11AX20MIMO	Ant1	5825	15.120	5817.360	5832.480	0.5	PASS
11AX20MIMO	Ant2	5825	13.680	5817.440	5831.120	0.5	PASS
11AX40MIMO	Ant1	5755	31.360	5739.880	5771.240	0.5	PASS
11AX40MIMO	Ant2	5755	34.960	5737.480	5772.440	0.5	PASS

11AX40MIMO	Ant1	5795	33.840	5778.600	5812.440	0.5	PASS
11AX40MIMO	Ant2	5795	33.840	5778.600	5812.440	0.5	PASS
11AX80MIMO	Ant1	5775	73.760	5738.680	5812.440	0.5	PASS
11AX80MIMO	Ant2	5775	75.040	5737.400	5812.440	0.5	PASS

Test Graphs B4

11A-Ant1-5745-PASS

11A-Ant2-5745-PASS

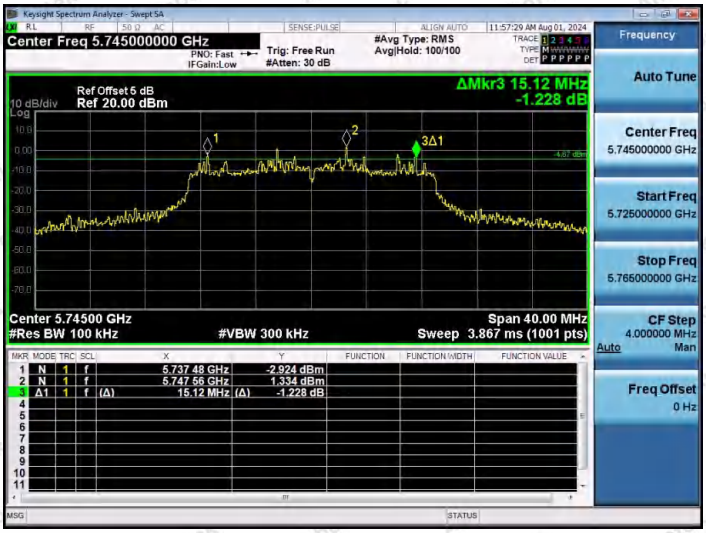
11A-Ant1-5785-PASS

11A-Ant2-5785-PASS

11A-Ant1-5825-PASS

11A-Ant2-5825-PASS

11N20MIMO-Ant1-5745-PASS



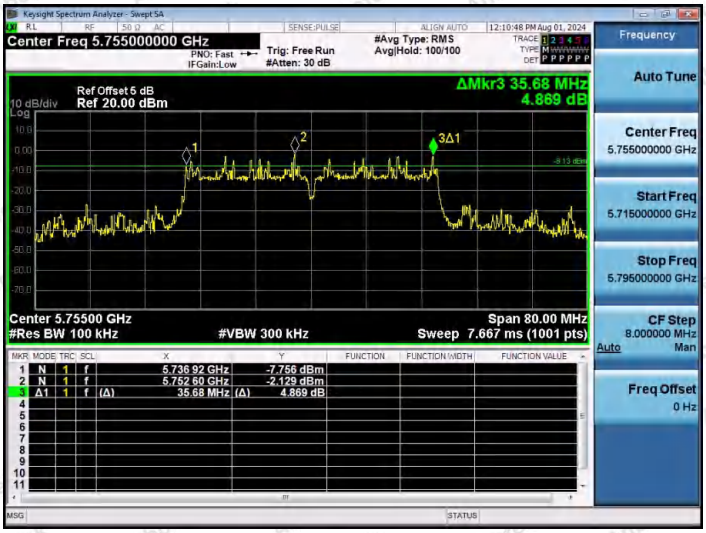
11N20MIMO-Ant2-5745-PASS

11N20MIMO-Ant1-5785-PASS

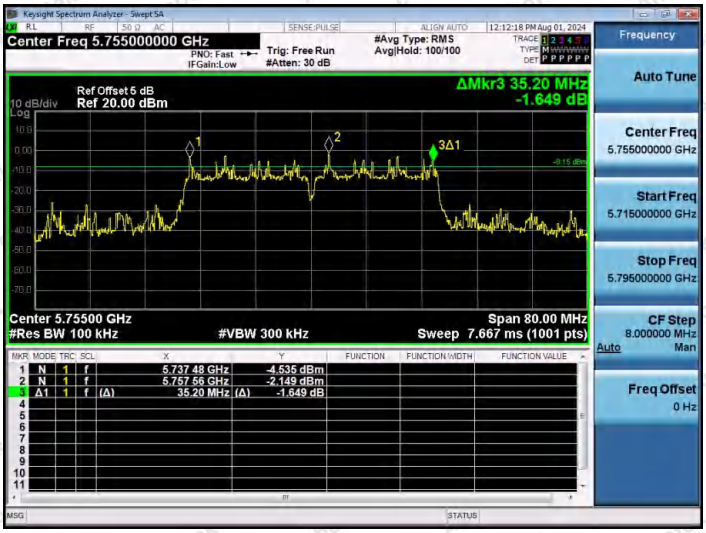
11N20MIMO-Ant2-5785-PASS

11N20MIMO-Ant1-5825-PASS

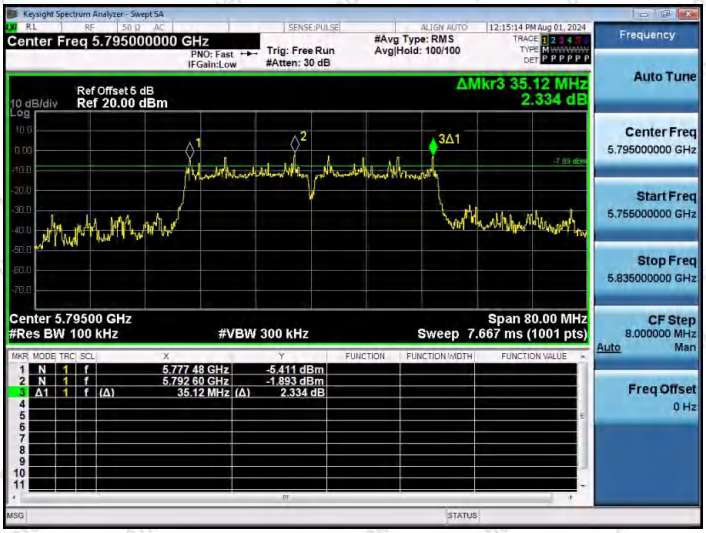
11N20MIMO-Ant2-5825-PASS



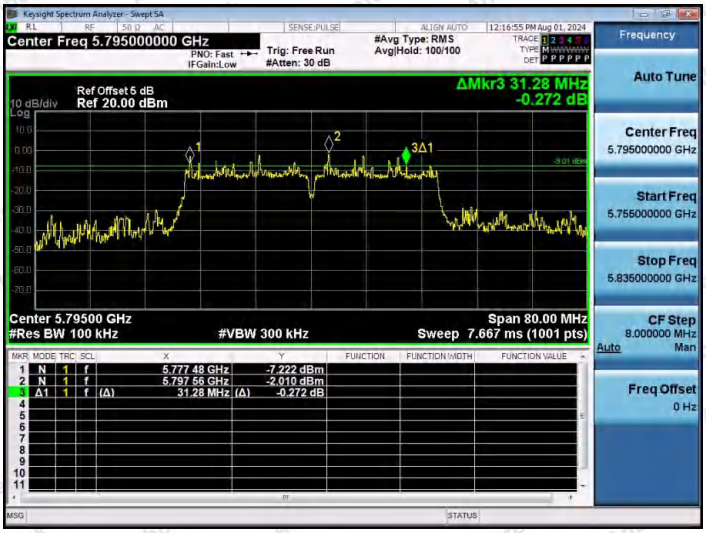
11N40MIMO-Ant1-5755-PASS



11N40MIMO-Ant2-5755-PASS



11N40MIMO-Ant1-5795-PASS



11N40MIMO-Ant2-5795-PASS

11AC20MIMO-Ant1-5745-PASS

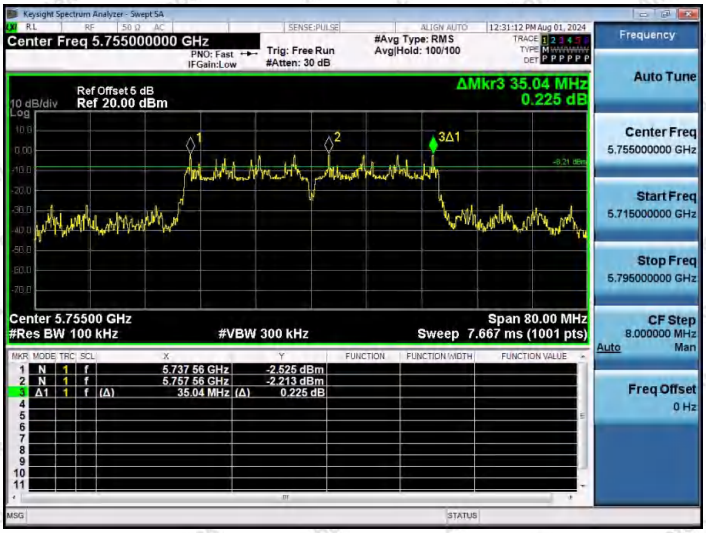
11AC20MIMO-Ant2-5745-PASS

11AC20MIMO-Ant1-5785-PASS

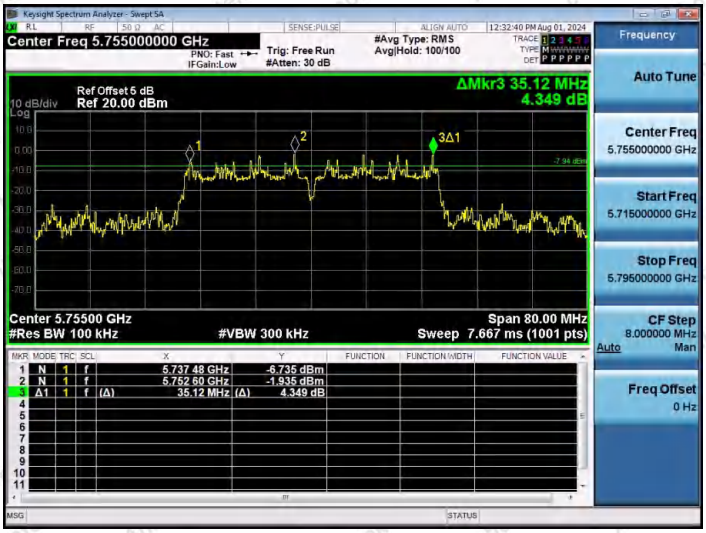
11AC20MIMO-Ant2-5785-PASS

11AC20MIMO-Ant1-5825-PASS

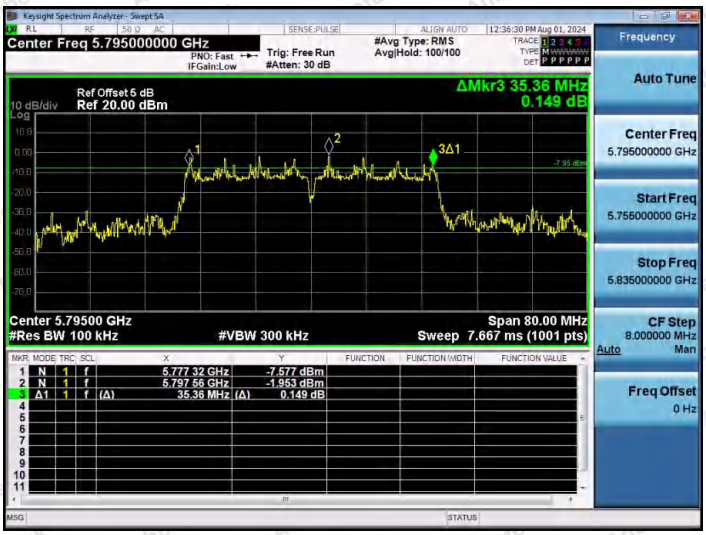
11AC20MIMO-Ant2-5825-PASS



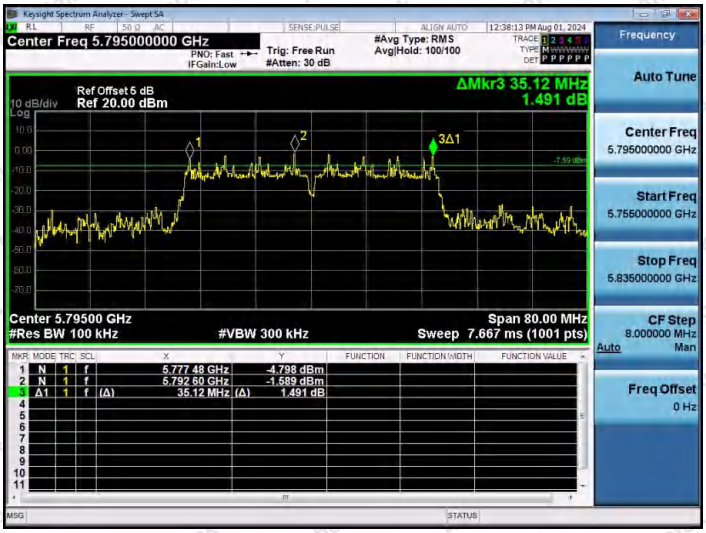
11AC40MIMO-Ant1-5755-PASS



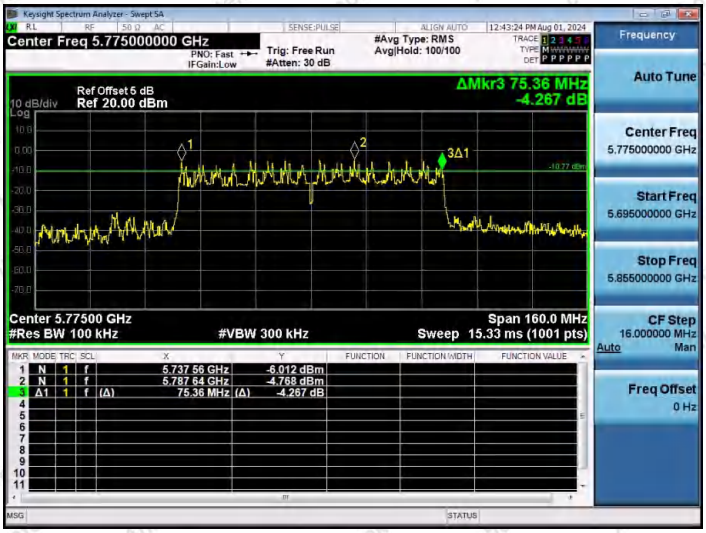
11AC40MIMO-Ant2-5755-PASS



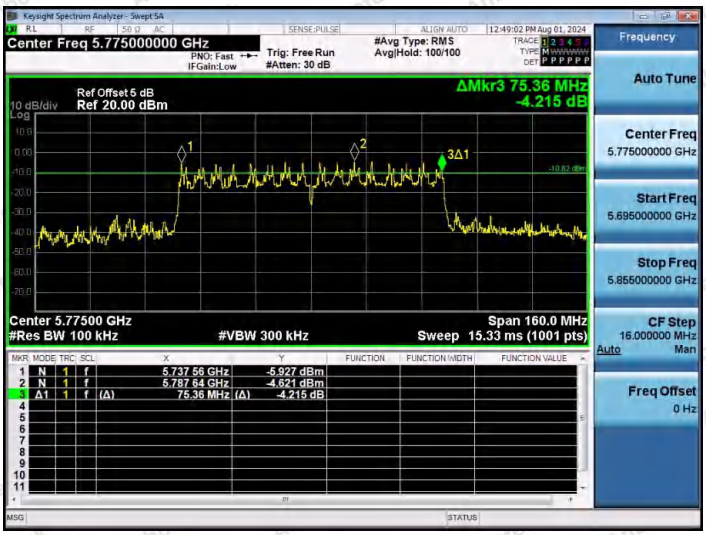
11AC40MIMO-Ant1-5795-PASS



11AC40MIMO-Ant2-5795-PASS

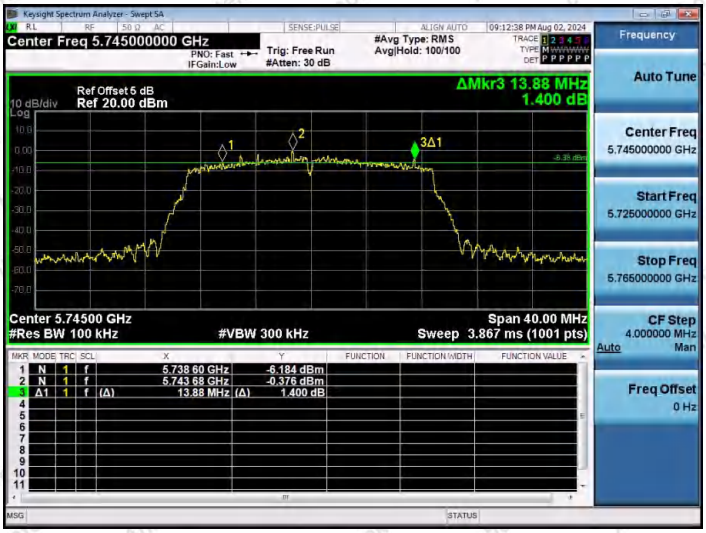


11AC80MIMO-Ant1-5775-PASS



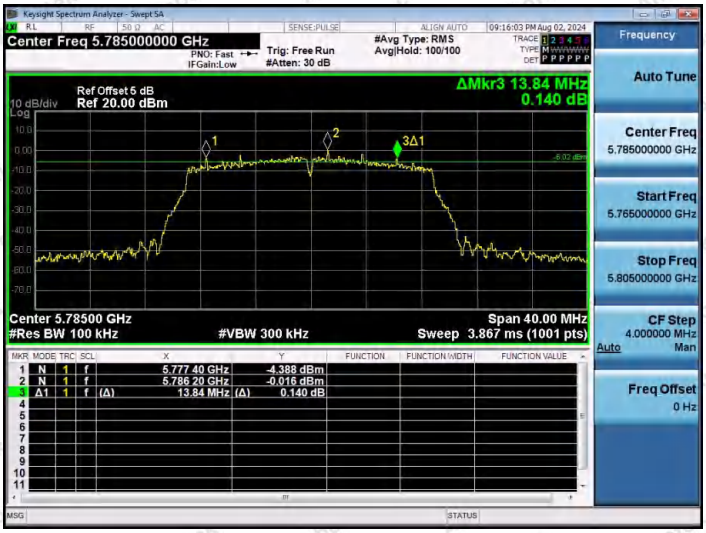
11AC80MIMO-Ant2-5775-PASS

11AX20MIMO-Ant1-5745-PASS

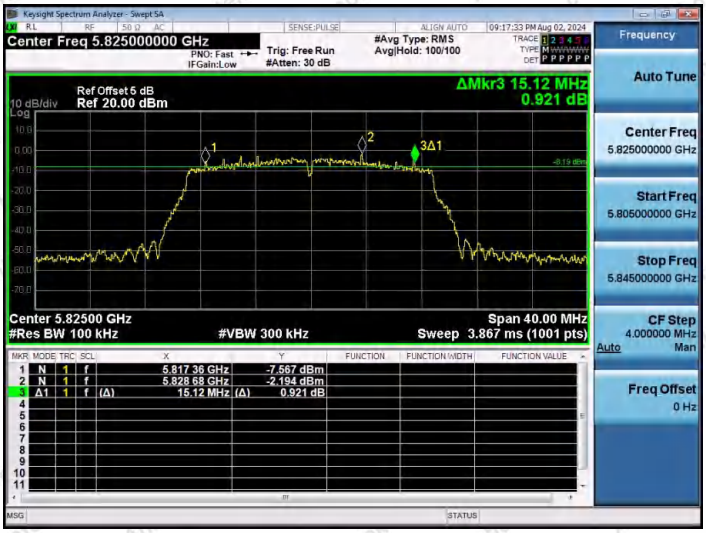


11AX20MIMO-Ant2-5745-PASS

11AX20MIMO-Ant1-5785-PASS

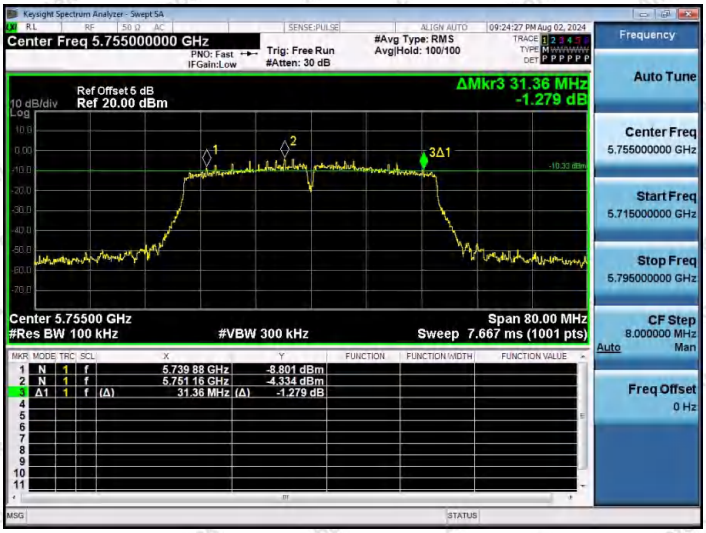


11AX20MIMO-Ant2-5785-PASS

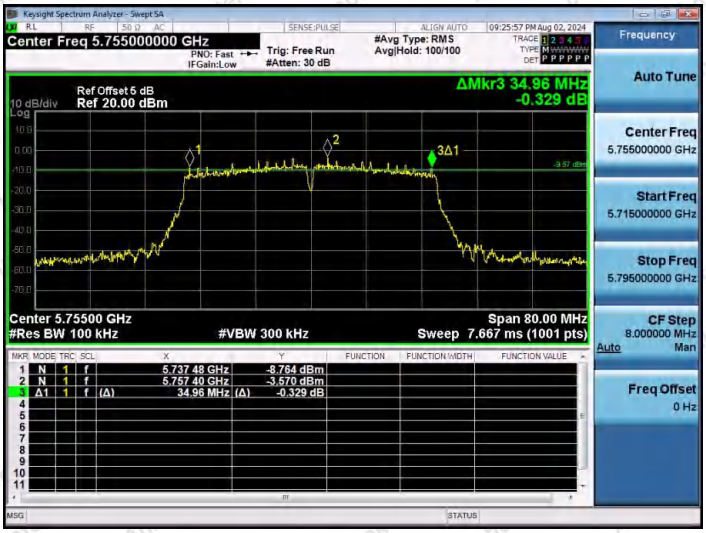


11AX20MIMO-Ant1-5825-PASS

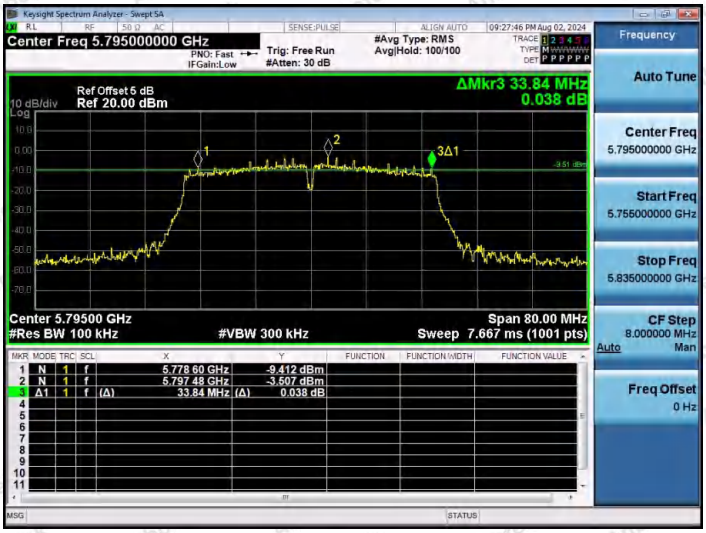
11AX20MIMO-Ant2-5825-PASS



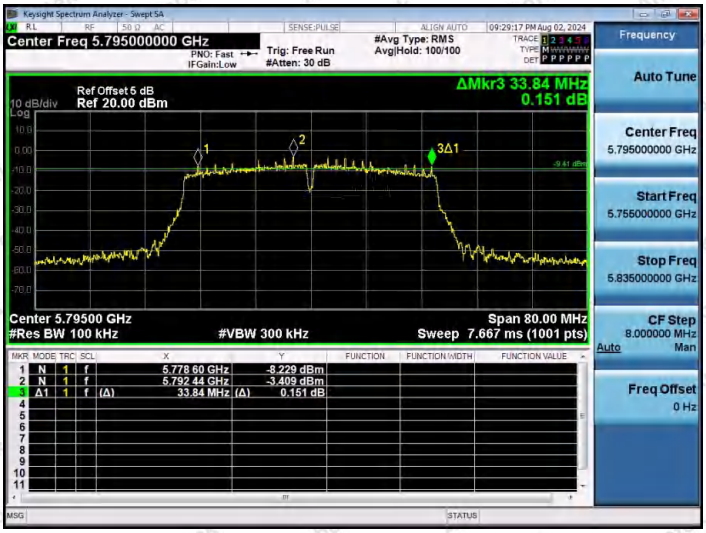
11AX40MIMO-Ant1-5755-PASS



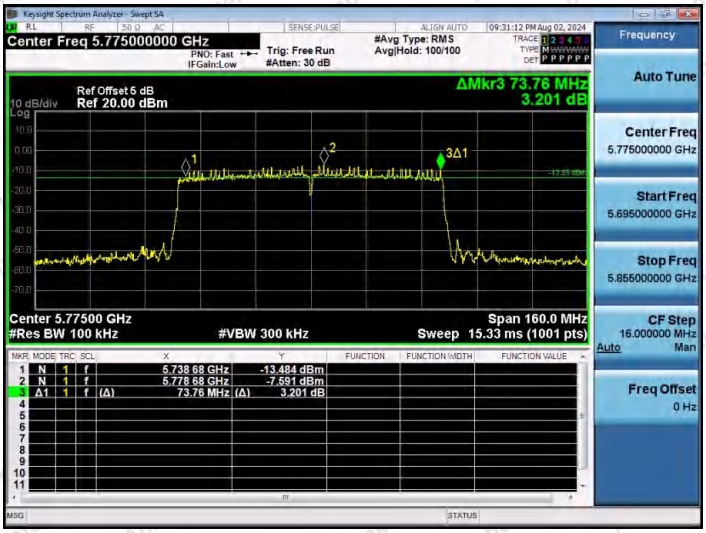
11AX40MIMO-Ant2-5755-PASS



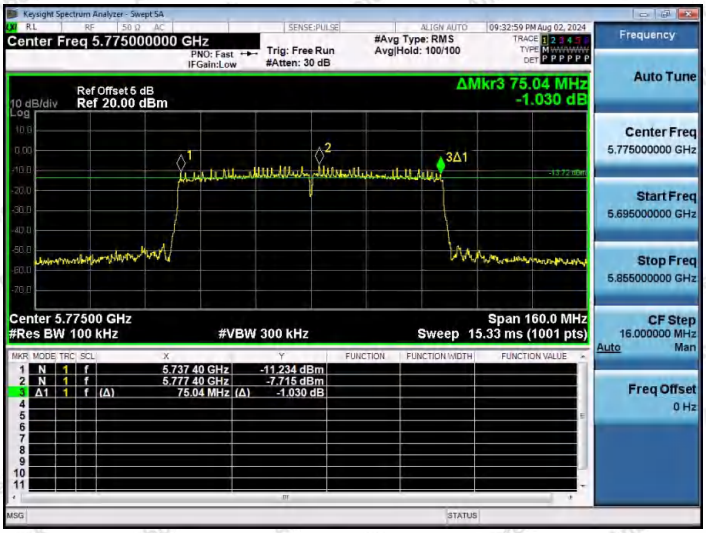
11AX40MIMO-Ant1-5795-PASS



11AX40MIMO-Ant2-5795-PASS



11AX80MIMO-Ant1-5775-PASS



11AX80MIMO-Ant2-5775-PASS

Appendix B: Duty Cycle

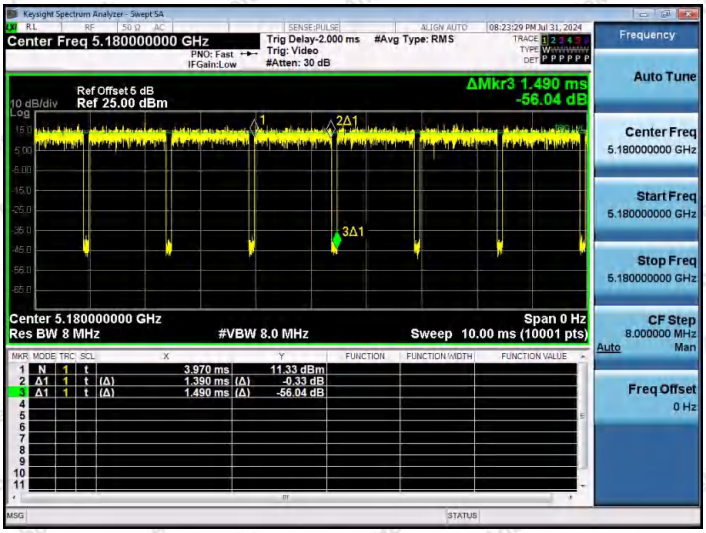
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [dB]	1/T
11A	Ant1	5180	1.39	1.49	93.29	0.30	0.72
11A	Ant2	5180	1.40	1.50	93.33	0.30	0.71
11A	Ant1	5200	1.40	1.50	93.33	0.30	0.71
11A	Ant2	5200	1.39	1.49	93.29	0.30	0.72
11A	Ant1	5240	1.39	1.49	93.29	0.30	0.72
11A	Ant2	5240	1.40	1.49	93.96	0.27	0.71
11A	Ant1	5745	1.39	1.49	93.29	0.30	0.72
11A	Ant2	5745	1.39	1.49	93.29	0.30	0.72
11A	Ant1	5785	1.40	1.50	93.33	0.30	0.71
11A	Ant2	5785	1.40	1.50	93.33	0.30	0.71
11A	Ant1	5825	1.40	1.50	93.33	0.30	0.71
11A	Ant2	5825	1.40	1.50	93.33	0.30	0.71
11N20MIMO	Ant1	5180	1.31	1.41	92.91	0.32	0.76
11N20MIMO	Ant2	5180	1.31	1.41	92.91	0.32	0.76
11N20MIMO	Ant1	5200	1.31	1.41	92.91	0.32	0.76
11N20MIMO	Ant2	5200	1.31	1.41	92.91	0.32	0.76
11N20MIMO	Ant1	5240	1.31	1.41	92.91	0.32	0.76
11N20MIMO	Ant2	5240	1.30	1.40	92.86	0.32	0.77
11N20MIMO	Ant1	5745	1.31	1.40	93.57	0.29	0.76
11N20MIMO	Ant2	5745	1.31	1.40	93.57	0.29	0.76
11N20MIMO	Ant1	5785	0.06	0.16	37.50	4.26	16.67
11N20MIMO	Ant2	5785	1.31	1.40	93.57	0.29	0.76
11N20MIMO	Ant1	5825	1.30	1.40	92.86	0.32	0.77
11N20MIMO	Ant2	5825	1.31	1.41	92.91	0.32	0.76
11N40MIMO	Ant1	5190	0.95	1.05	90.48	0.43	1.05
11N40MIMO	Ant2	5190	0.95	1.05	90.48	0.43	1.05
11N40MIMO	Ant1	5230	0.94	1.04	90.38	0.44	1.06
11N40MIMO	Ant2	5230	0.94	1.04	90.38	0.44	1.06
11N40MIMO	Ant1	5755	0.94	1.04	90.38	0.44	1.06
11N40MIMO	Ant2	5755	0.94	1.04	90.38	0.44	1.06
11N40MIMO	Ant1	5795	0.95	1.05	90.48	0.43	1.05
11N40MIMO	Ant2	5795	0.94	1.04	90.38	0.44	1.06
11AC20MIMO	Ant1	5180	1.31	1.41	92.91	0.32	0.76
11AC20MIMO	Ant2	5180	1.31	1.41	92.91	0.32	0.76
11AC20MIMO	Ant1	5200	1.31	1.41	92.91	0.32	0.76
11AC20MIMO	Ant2	5200	1.31	1.41	92.91	0.32	0.76

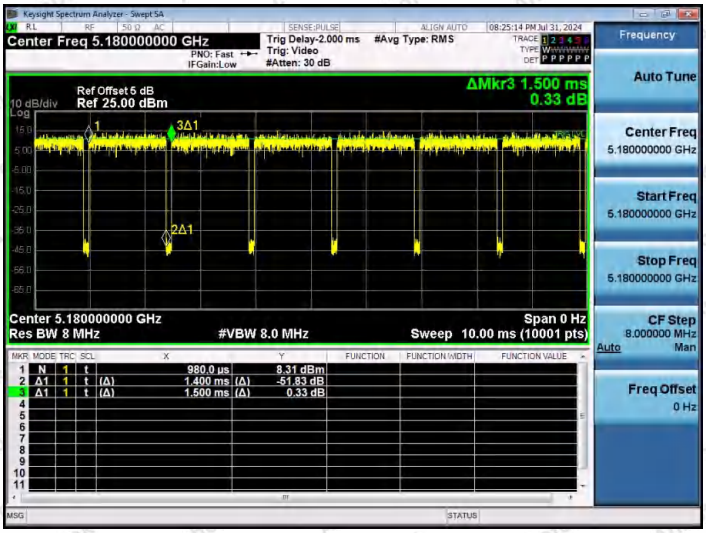
11AC20MIMO	Ant1	5240	1.31	1.41	92.91	0.32	0.76
11AC20MIMO	Ant2	5240	1.32	1.42	92.96	0.32	0.76
11AC20MIMO	Ant1	5745	1.31	1.41	92.91	0.32	0.76
11AC20MIMO	Ant2	5745	1.32	1.42	92.96	0.32	0.76
11AC20MIMO	Ant1	5785	1.32	1.42	92.96	0.32	0.76
11AC20MIMO	Ant2	5785	1.32	1.42	92.96	0.32	0.76
11AC20MIMO	Ant1	5825	1.32	1.42	92.96	0.32	0.76
11AC20MIMO	Ant2	5825	1.32	1.42	92.96	0.32	0.76
11AC40MIMO	Ant1	5190	0.65	0.75	86.67	0.62	1.54
11AC40MIMO	Ant2	5190	0.66	0.76	86.84	0.61	1.52
11AC40MIMO	Ant1	5230	0.65	0.75	86.67	0.62	1.54
11AC40MIMO	Ant2	5230	0.66	0.76	86.84	0.61	1.52
11AC40MIMO	Ant1	5755	0.65	0.75	86.67	0.62	1.54
11AC40MIMO	Ant2	5755	0.65	0.75	86.67	0.62	1.54
11AC40MIMO	Ant1	5795	0.65	0.75	86.67	0.62	1.54
11AC40MIMO	Ant2	5795	0.65	0.75	86.67	0.62	1.54
11AC80MIMO	Ant1	5210	0.32	0.42	76.19	1.18	3.13
11AC80MIMO	Ant2	5210	0.33	0.43	76.74	1.15	3.03
11AC80MIMO	Ant1	5775	0.33	0.43	76.74	1.15	3.03
11AC80MIMO	Ant2	5775	0.32	0.42	76.19	1.18	3.13
11AX20MIMO	Ant1	5180	0.12	0.22	54.55	2.63	8.33
11AX20MIMO	Ant2	5180	0.12	0.22	54.55	2.63	8.33
11AX20MIMO	Ant1	5200	0.12	0.22	54.55	2.63	8.33
11AX20MIMO	Ant2	5200	0.12	0.22	54.55	2.63	8.33
11AX20MIMO	Ant1	5240	0.12	0.22	54.55	2.63	8.33
11AX20MIMO	Ant2	5240	0.12	0.22	54.55	2.63	8.33
11AX20MIMO	Ant1	5745	1.31	1.85	70.81	1.50	0.76
11AX20MIMO	Ant2	5745	1.31	1.85	70.81	1.50	0.76
11AX20MIMO	Ant1	5785	1.30	1.85	70.27	1.53	0.77
11AX20MIMO	Ant2	5785	1.31	1.83	71.58	1.45	0.76
11AX20MIMO	Ant1	5825	1.31	1.85	70.81	1.50	0.76
11AX20MIMO	Ant2	5825	1.31	1.85	70.81	1.50	0.76
11AX40MIMO	Ant1	5190	0.08	0.18	44.44	3.52	12.50
11AX40MIMO	Ant2	5190	0.09	0.19	47.37	3.24	11.11
11AX40MIMO	Ant1	5230	0.09	0.19	47.37	3.24	11.11
11AX40MIMO	Ant2	5230	0.08	0.18	44.44	3.52	12.50
11AX40MIMO	Ant1	5755	0.65	1.19	54.62	2.63	1.54
11AX40MIMO	Ant2	5755	0.65	1.17	55.56	2.55	1.54
11AX40MIMO	Ant1	5795	0.66	1.19	55.46	2.56	1.52
11AX40MIMO	Ant2	5795	0.65	1.18	55.08	2.59	1.54
11AX80MIMO	Ant1	5210	0.07	0.17	41.18	3.85	14.29
11AX80MIMO	Ant2	5210	0.07	0.17	41.18	3.85	14.29

11AX80MIMO	Ant1	5775	0.32	0.73	43.84	3.58	3.13
11AX80MIMO	Ant2	5775	0.33	0.75	44.00	3.57	3.03

Test Graphs



NTNV-11A-Ant1-5180



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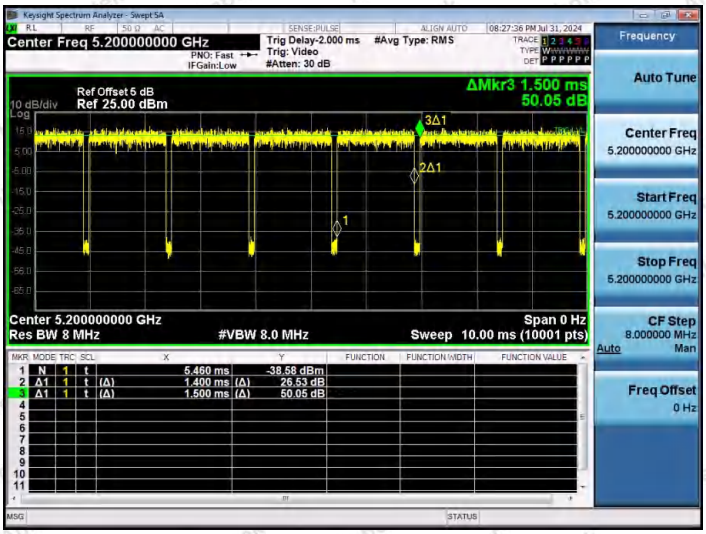

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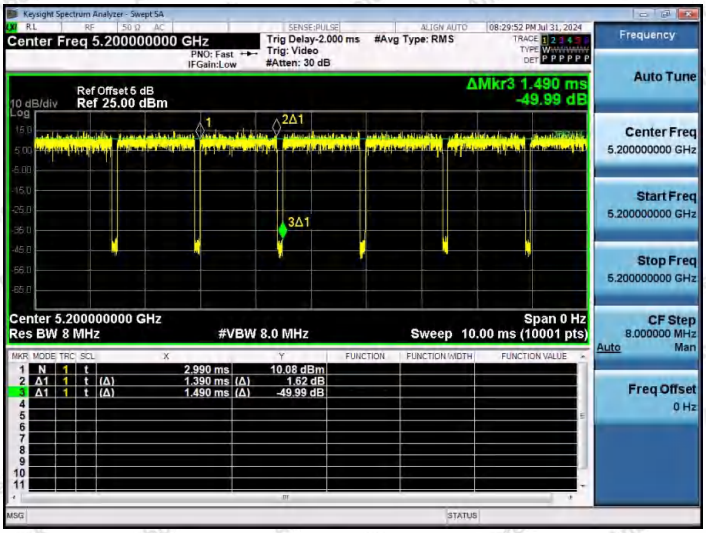

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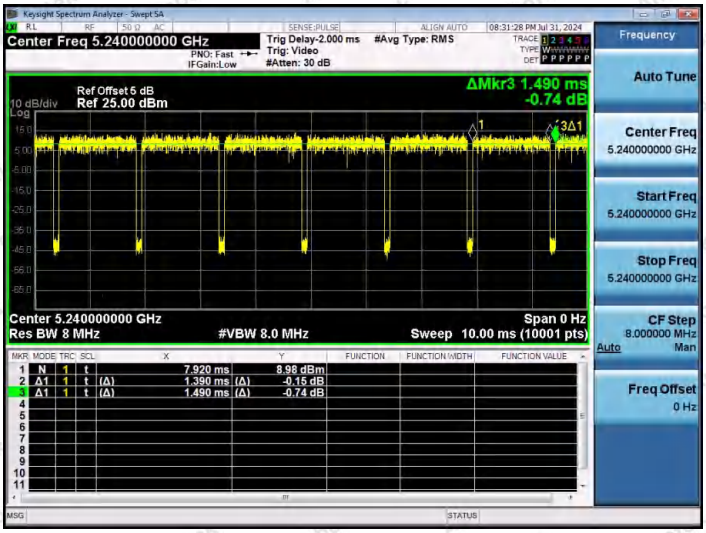

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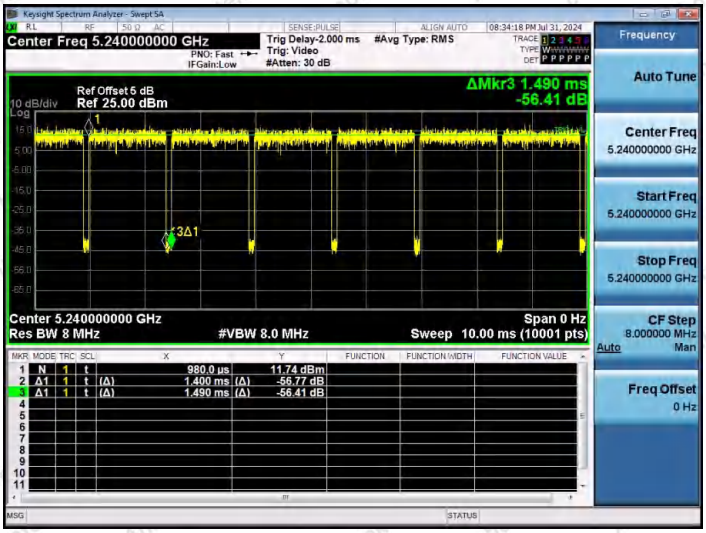

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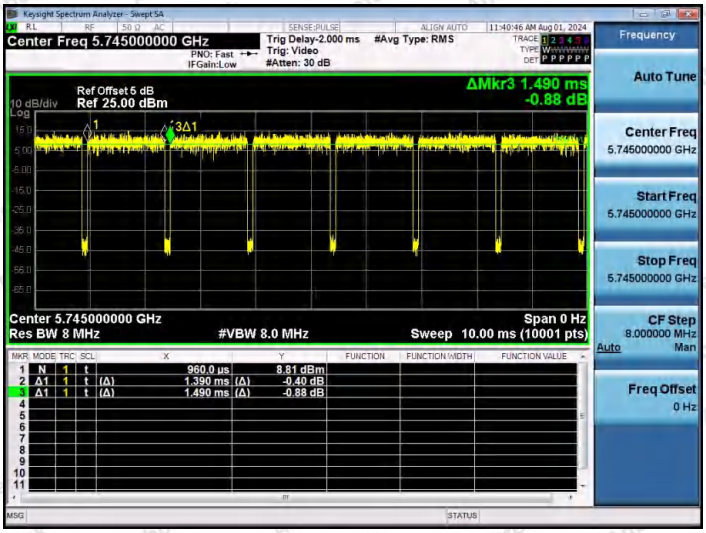

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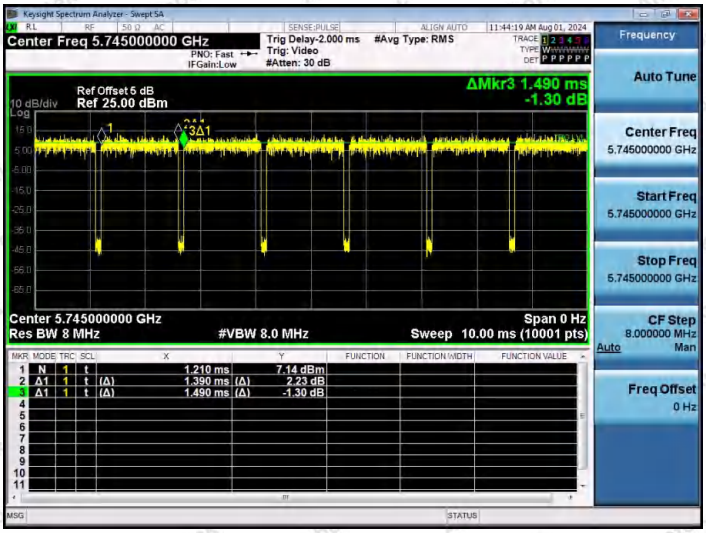

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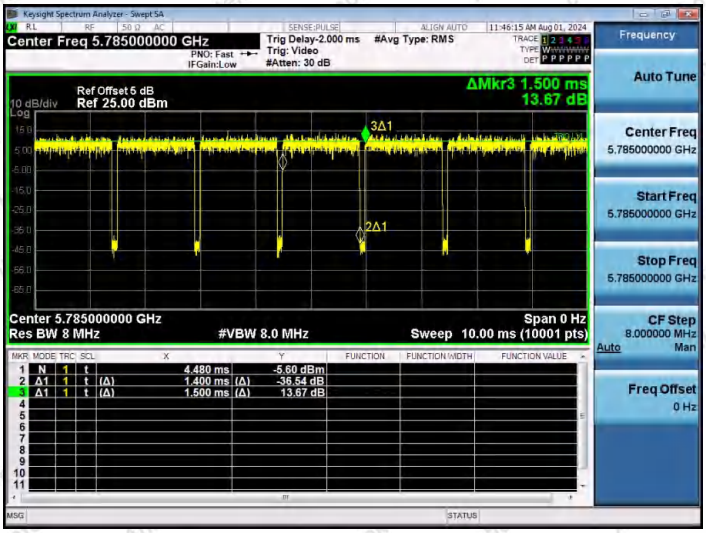

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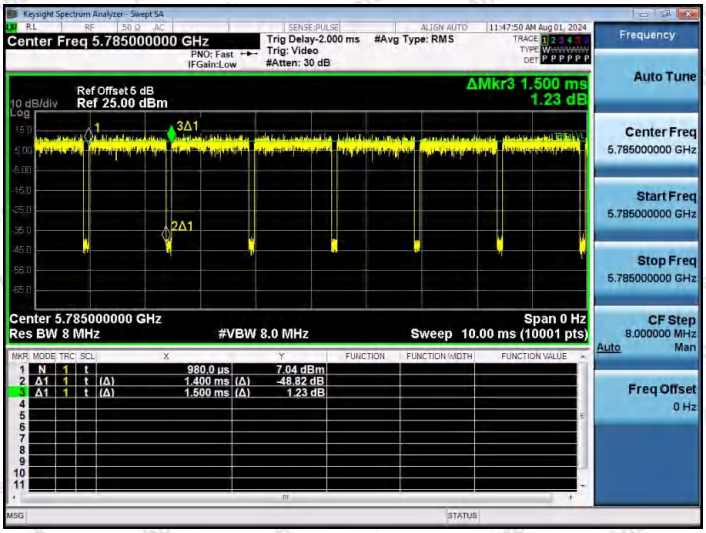

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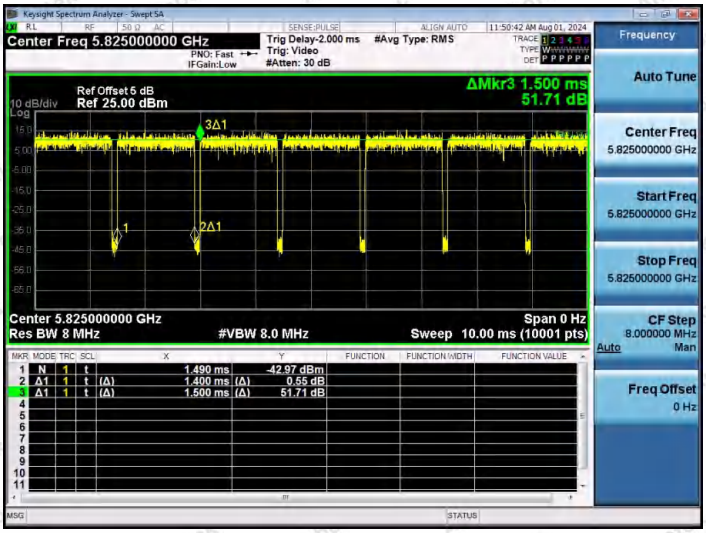

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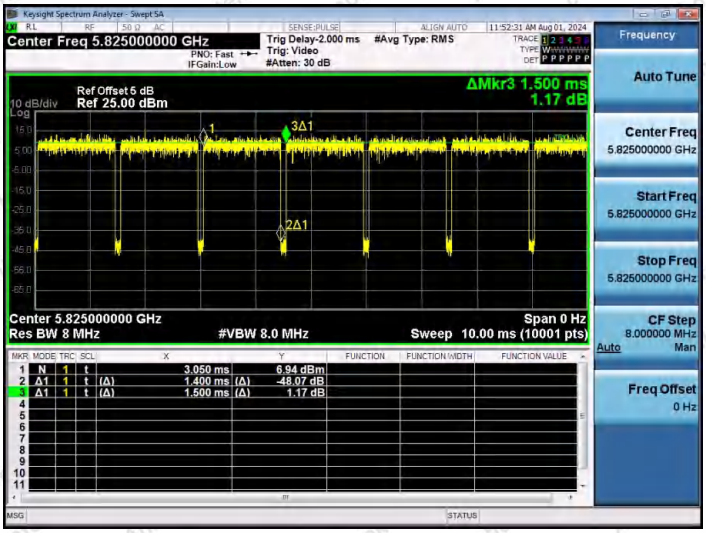

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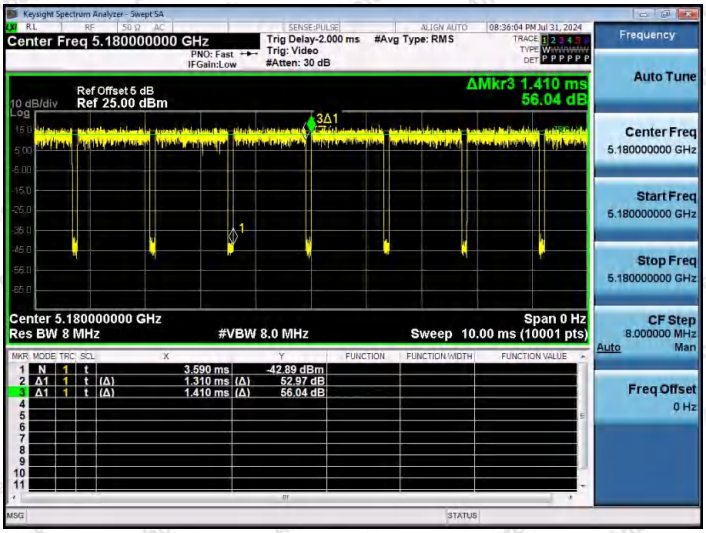

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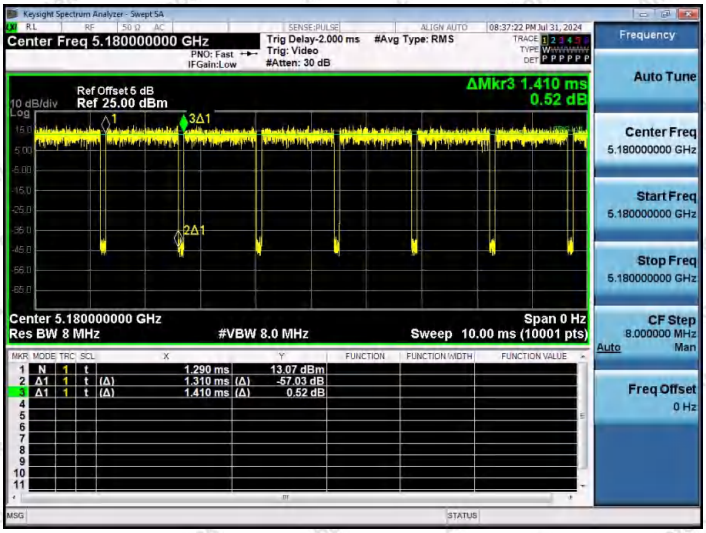

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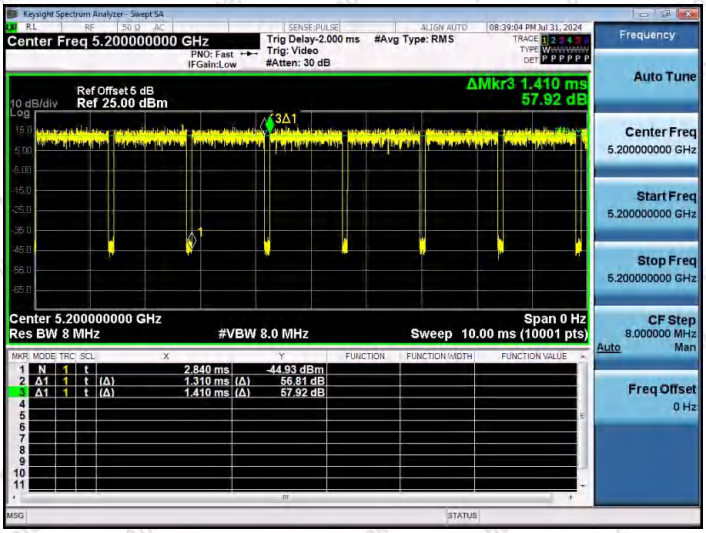

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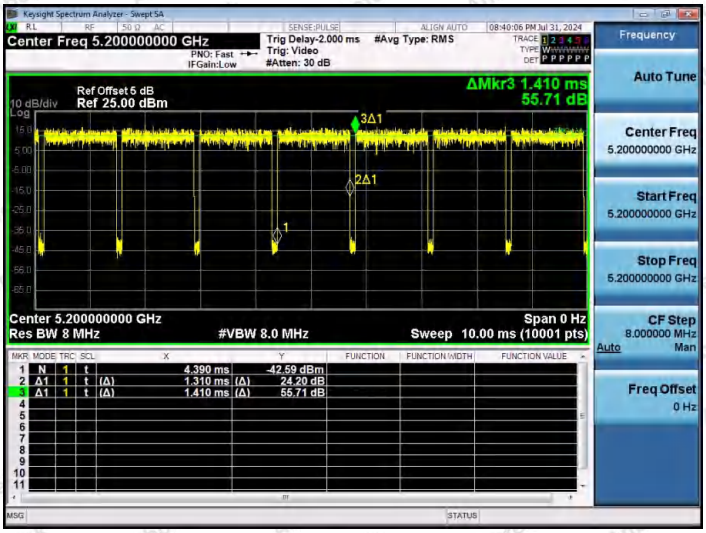

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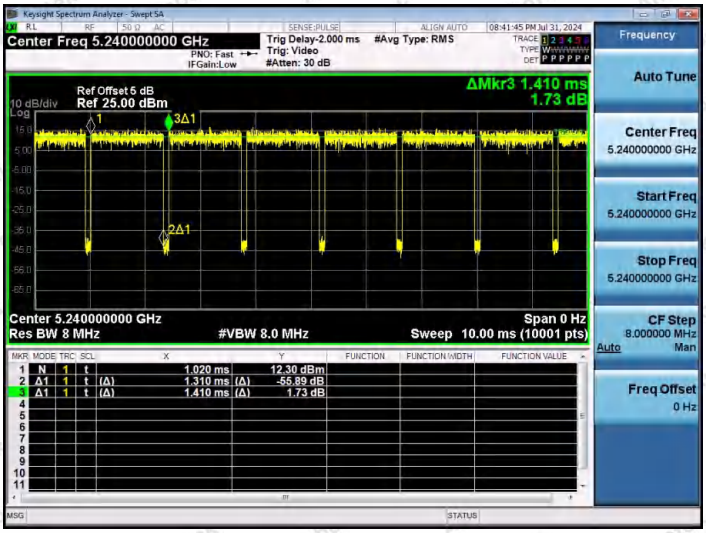

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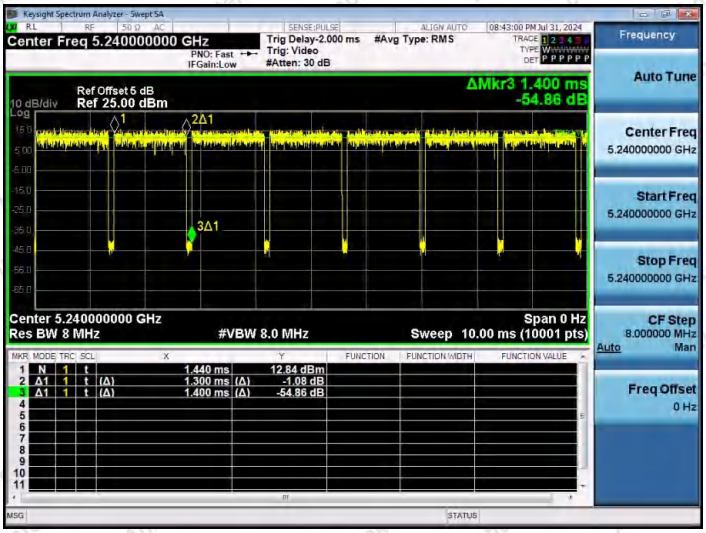

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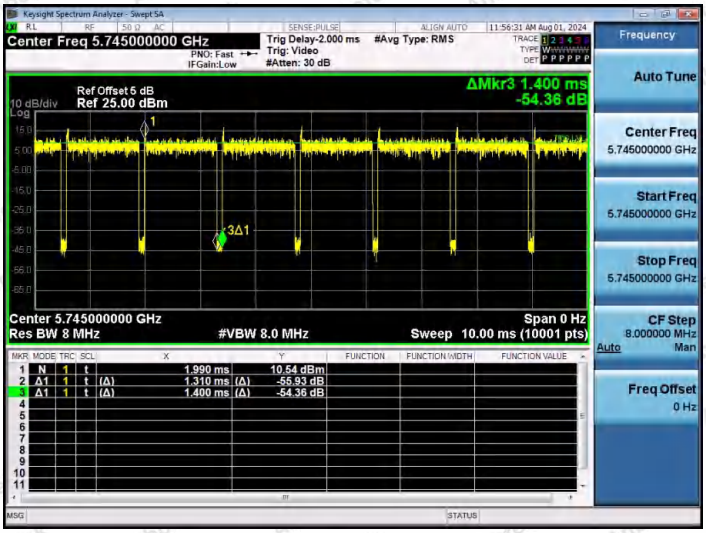

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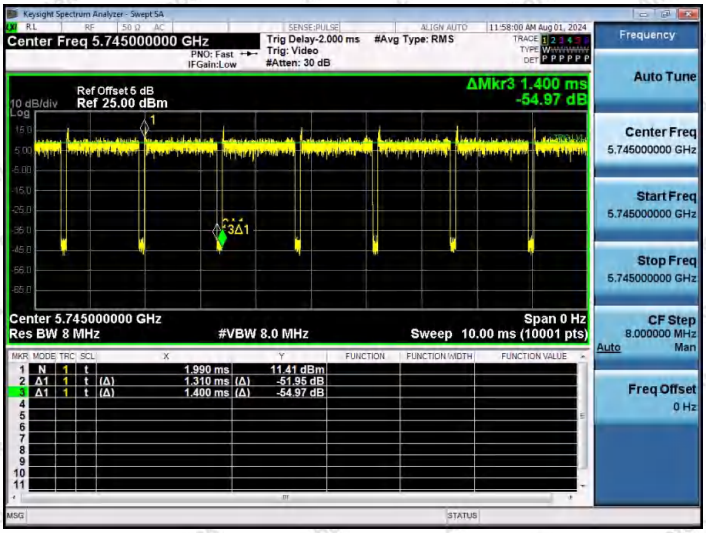

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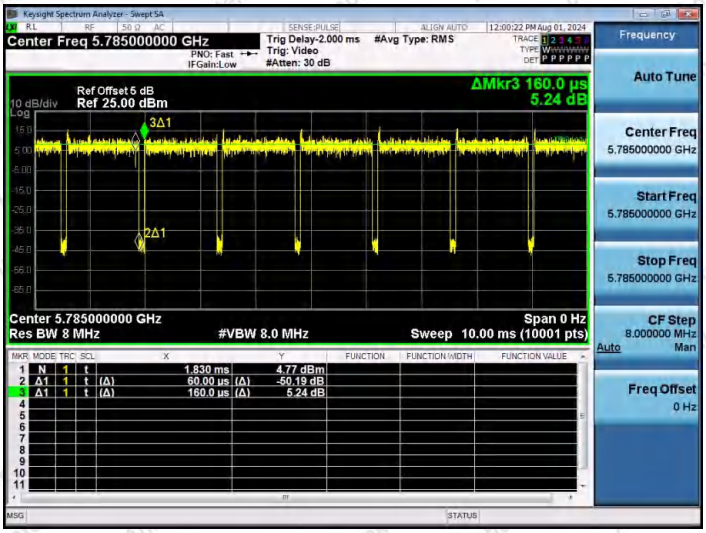

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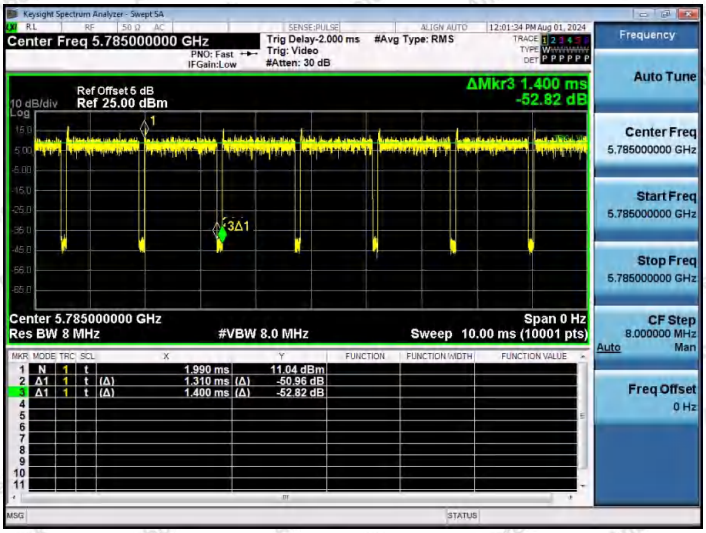

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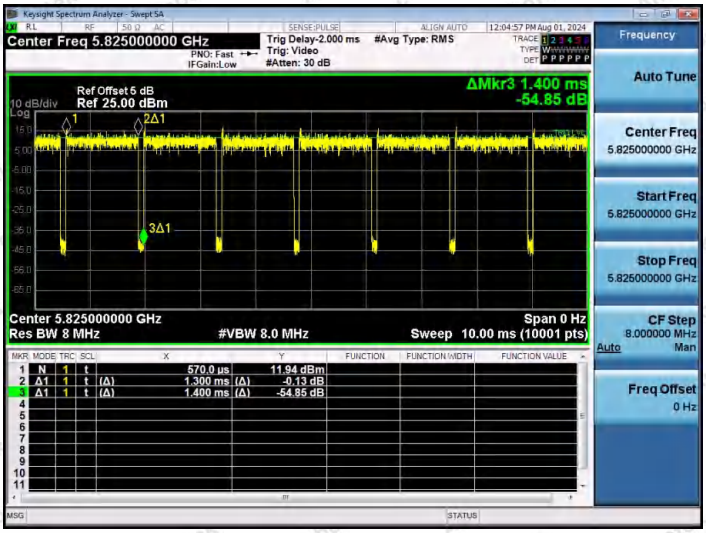

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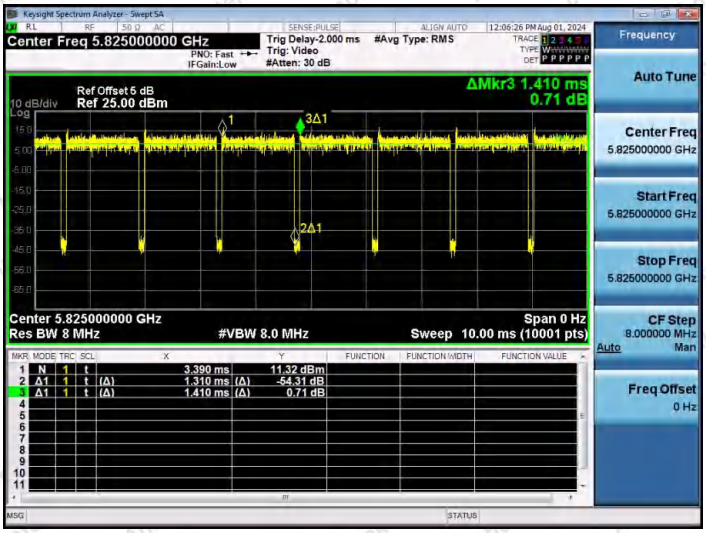

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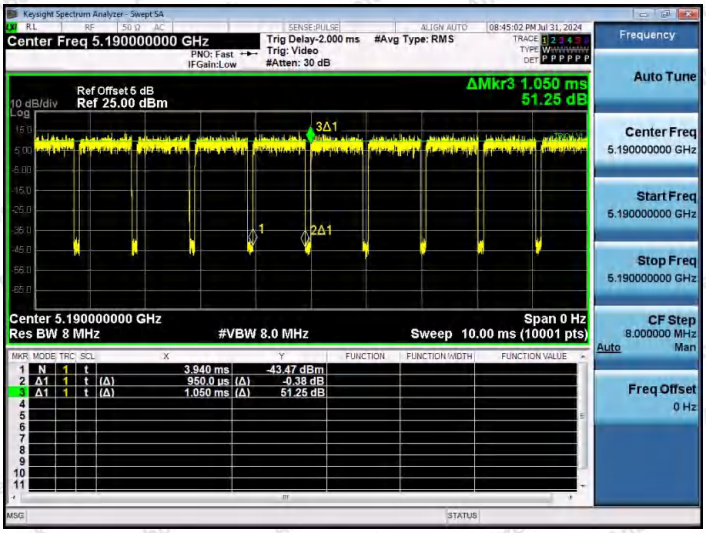

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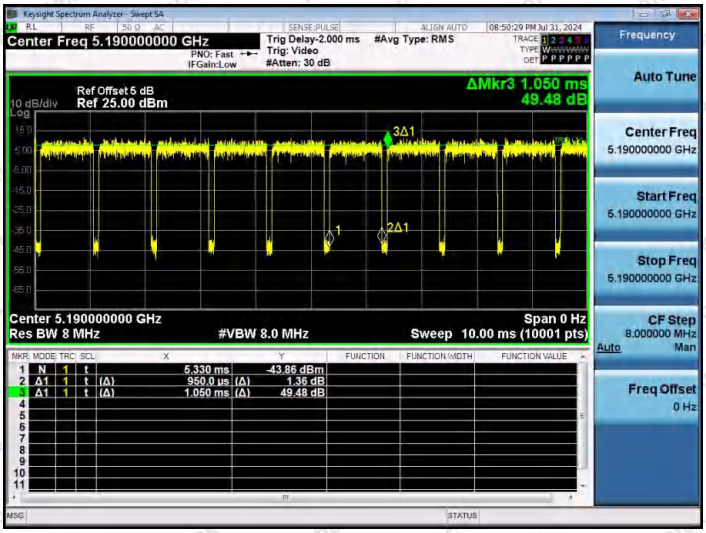

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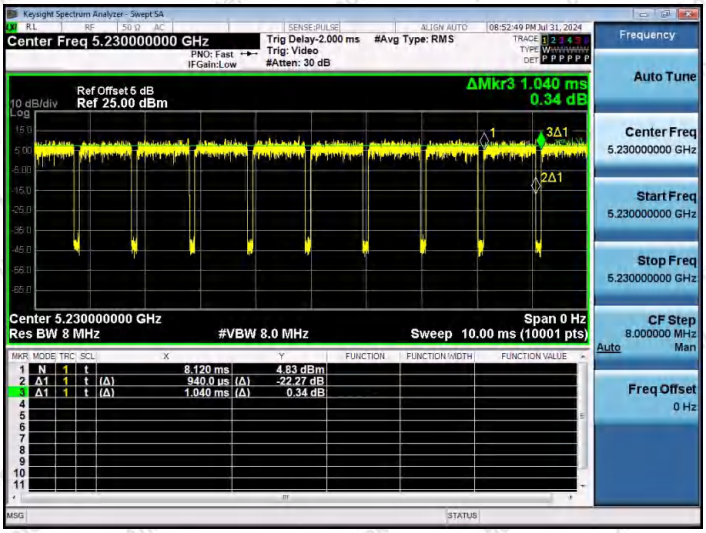

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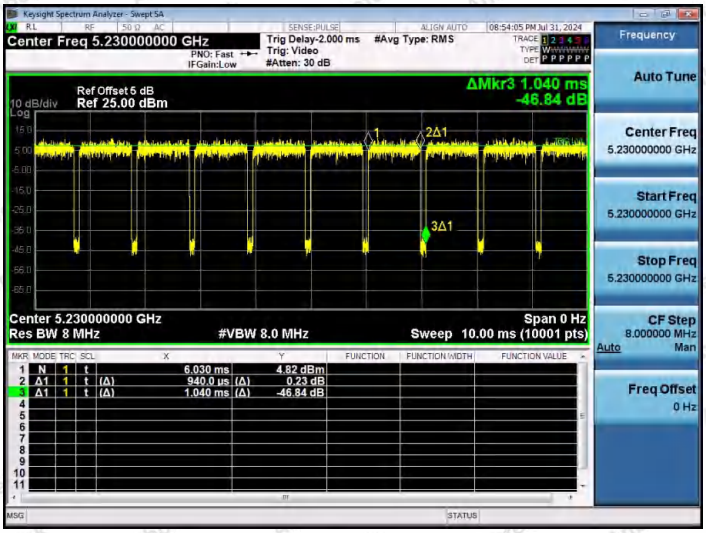

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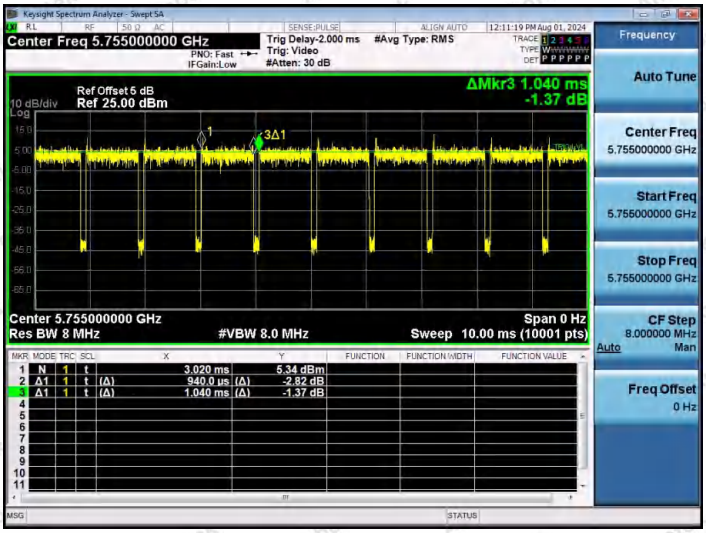

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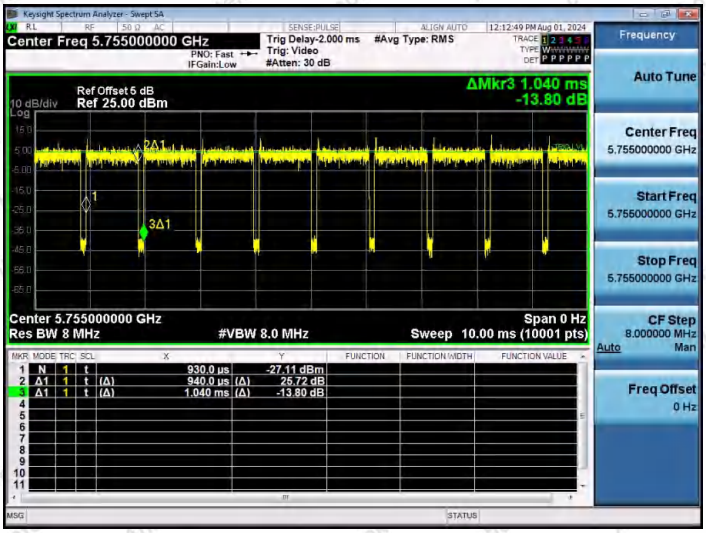

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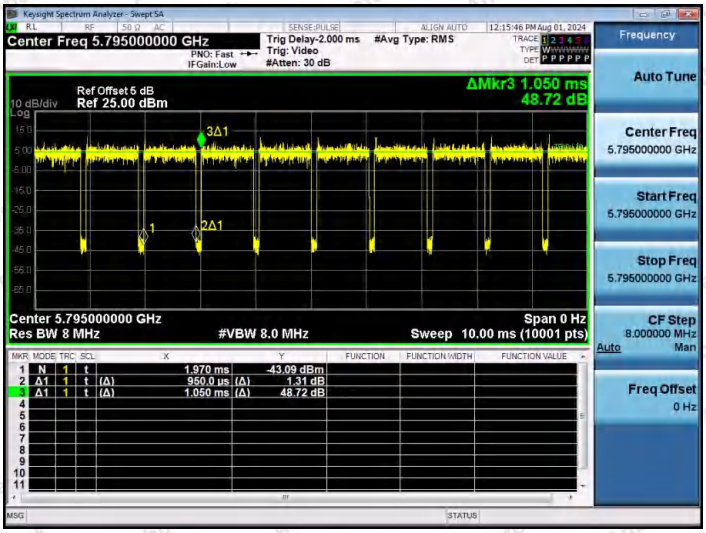

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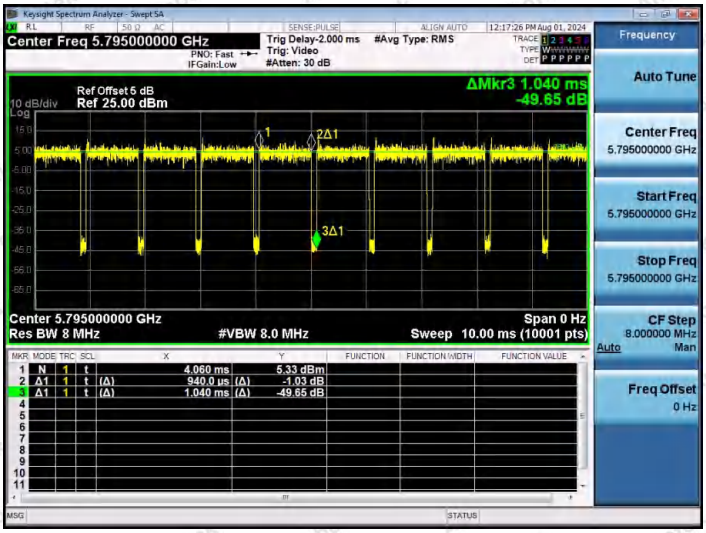

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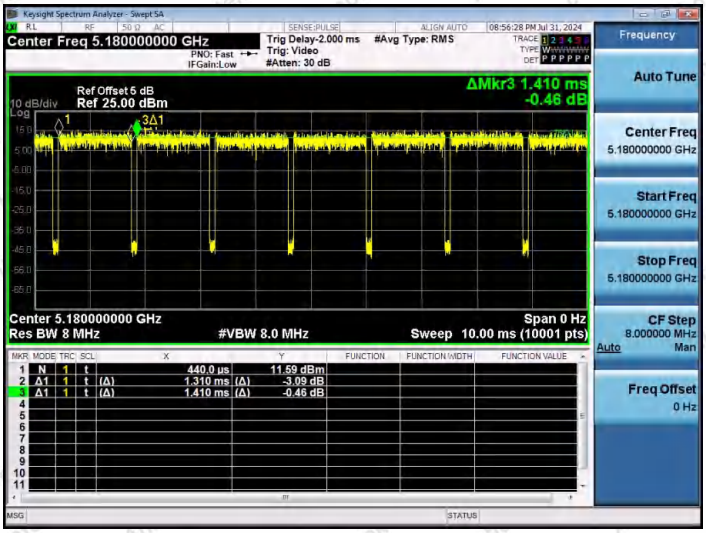

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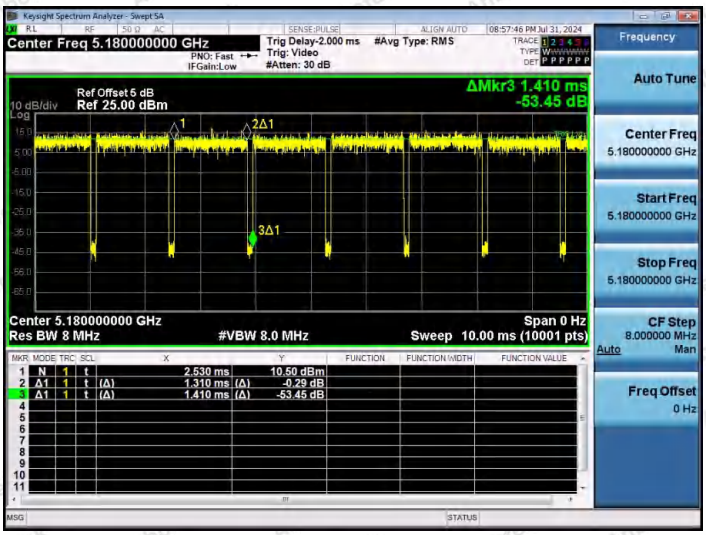

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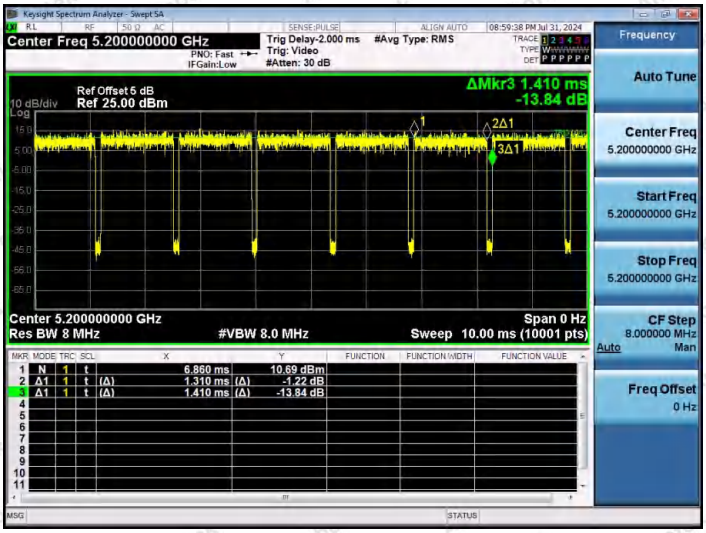

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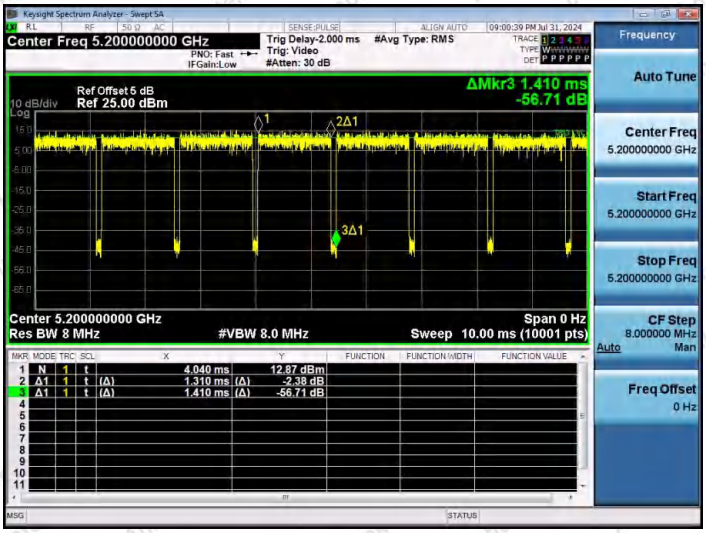

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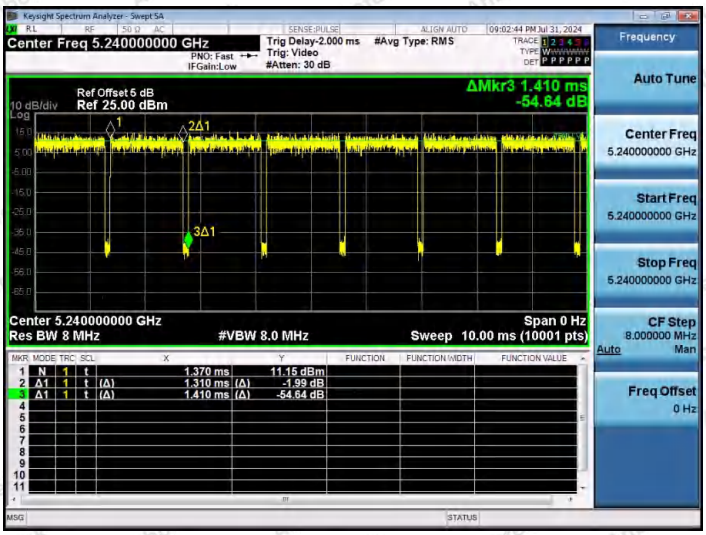

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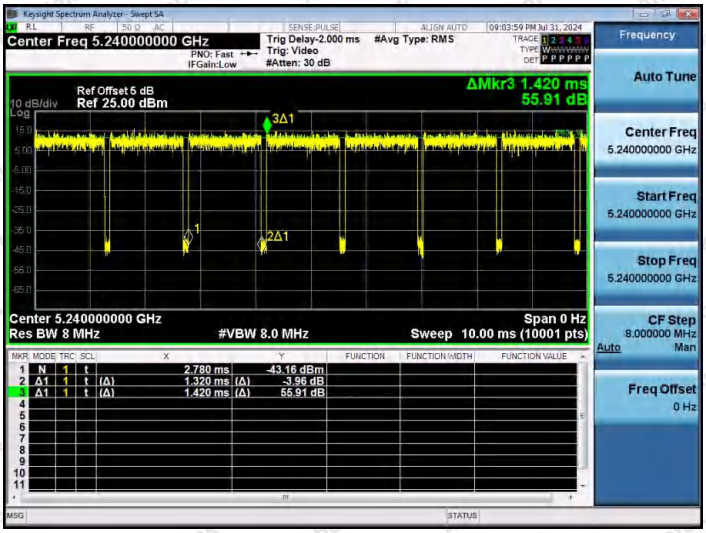

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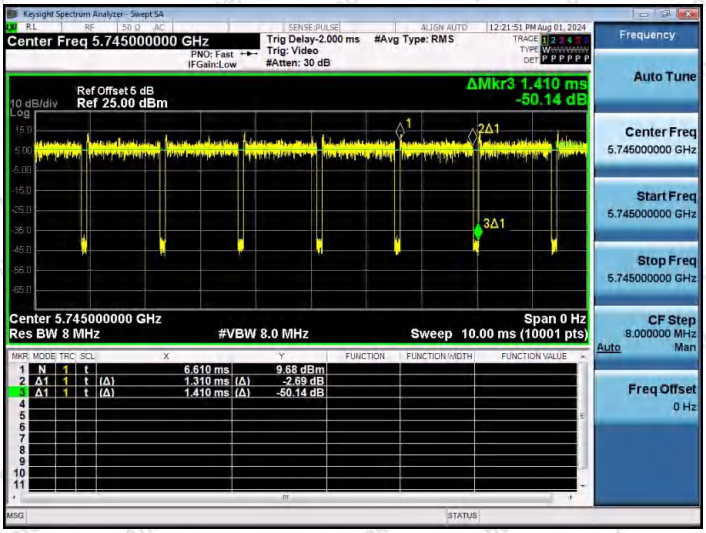
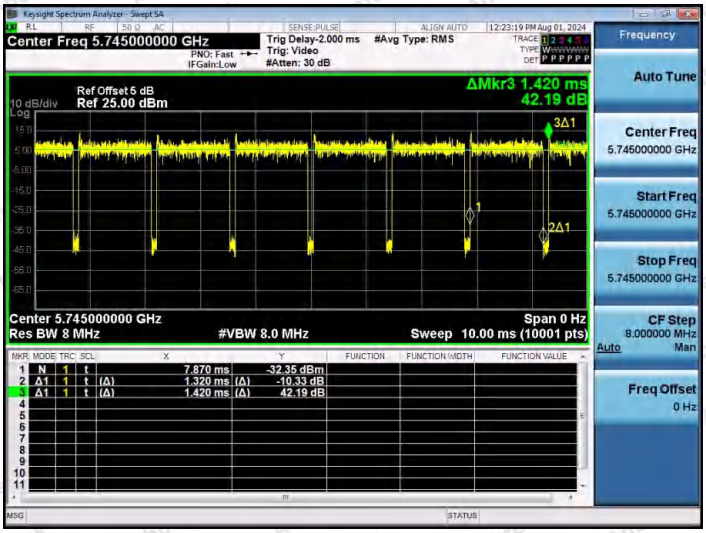
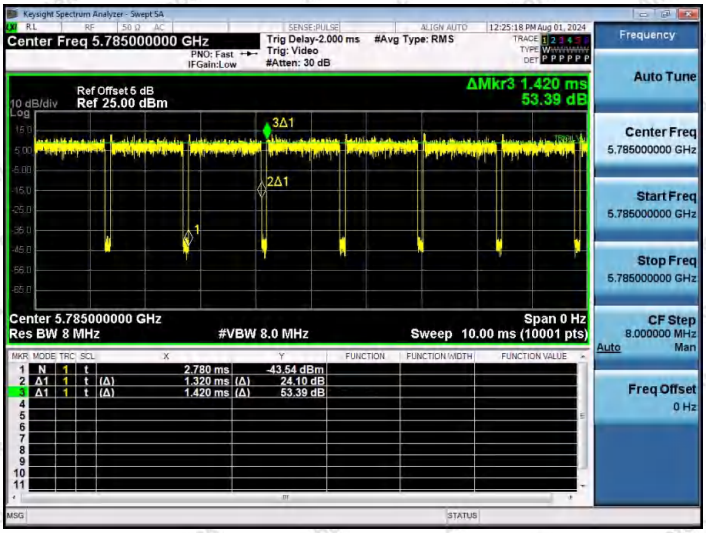


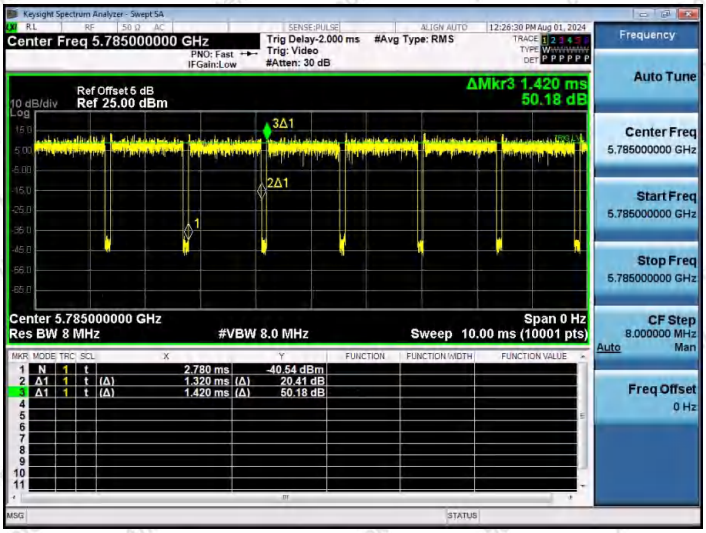
NTNV-11AC20MIMO-Ant1-5745



NTNV-11AC20MIMO-Ant2-5745



NTNV-11AC20MIMO-Ant1-5785



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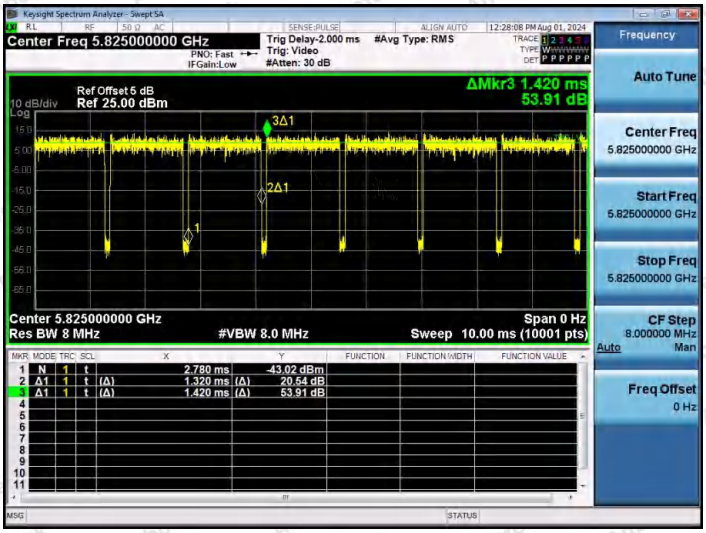
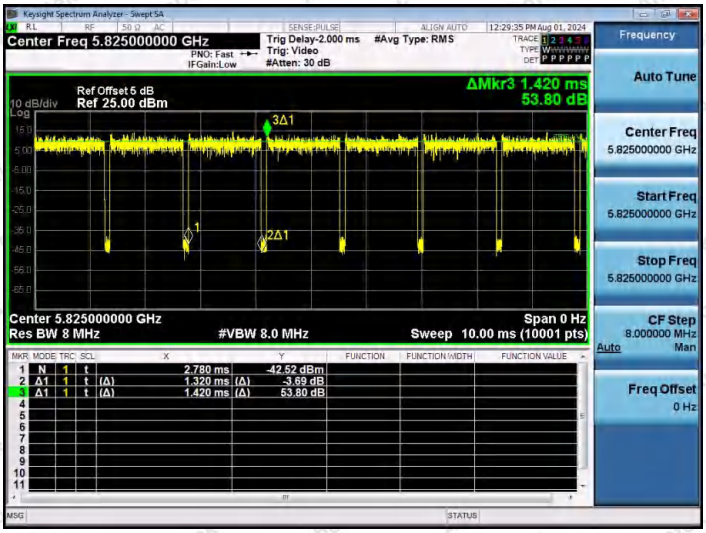


NTNV-11AC20MIMO-Ant1-5825



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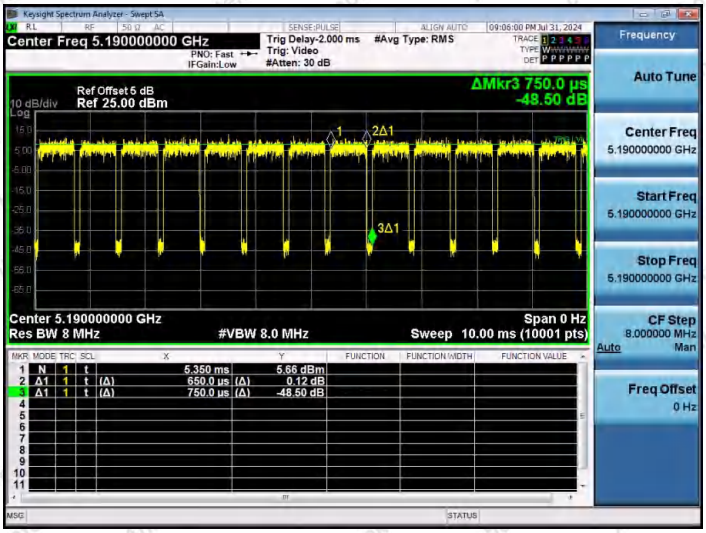
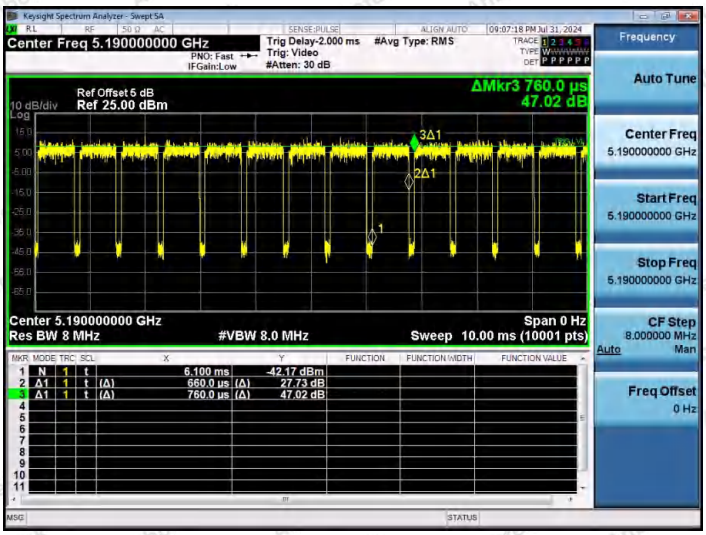


NTNV-11AC40MIMO-Ant1-5190



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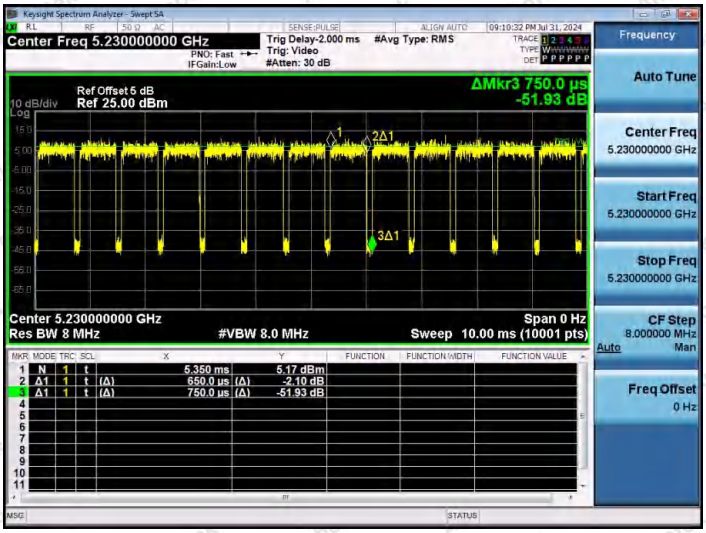

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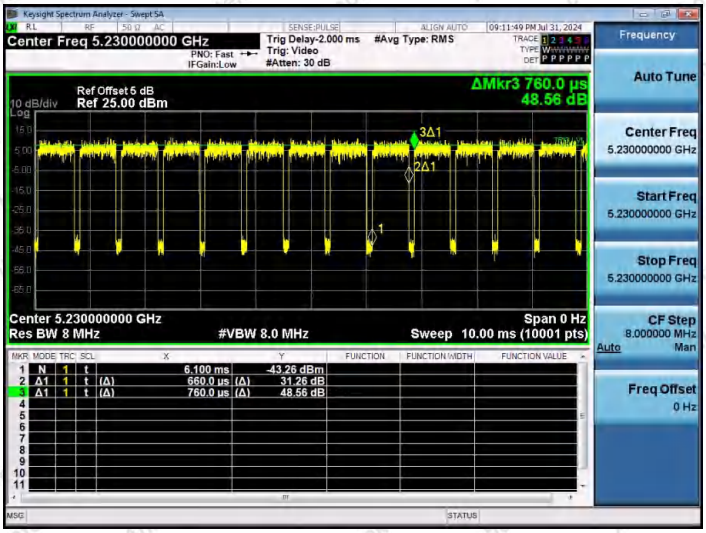
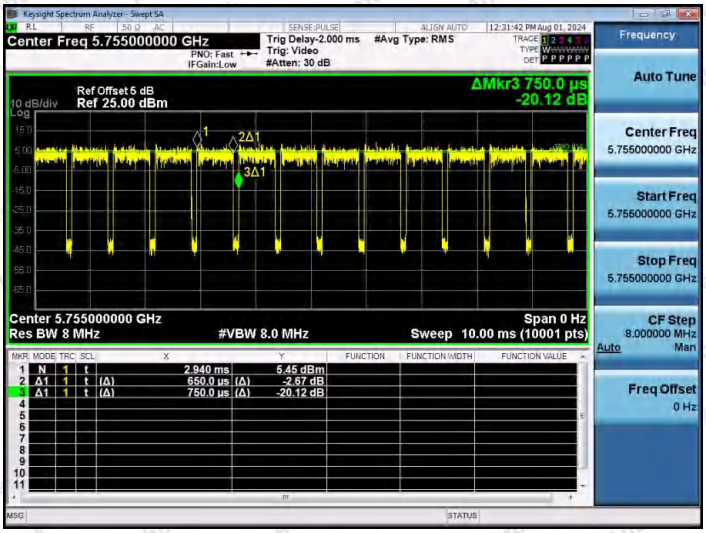


NTNV-11AC40MIMO-Ant2-5230



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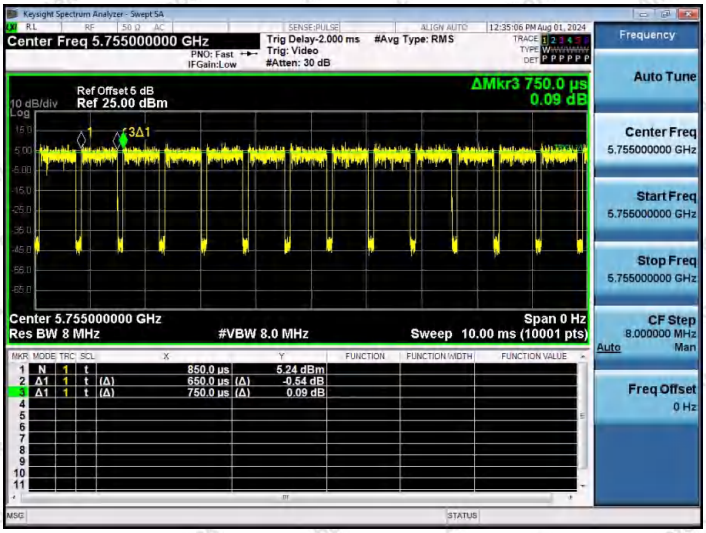

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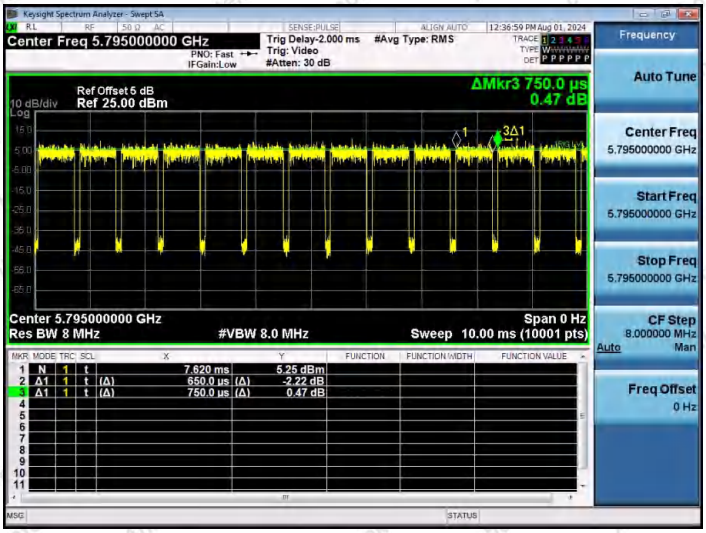
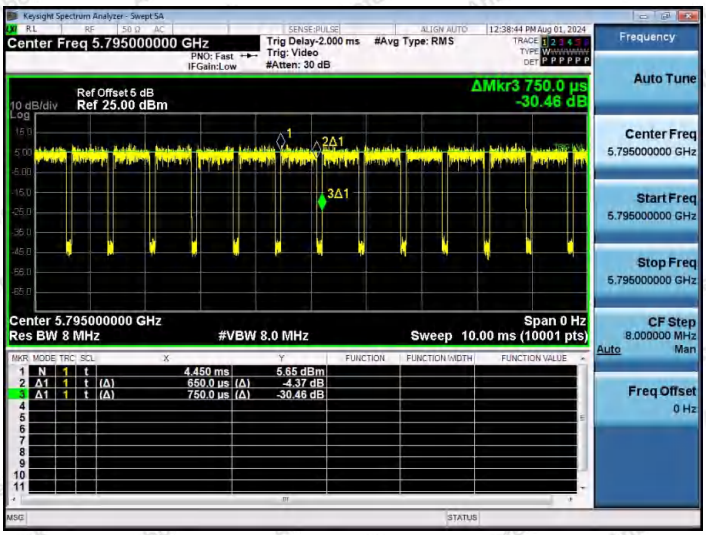


NTNV-11AC40MIMO-Ant1-5795



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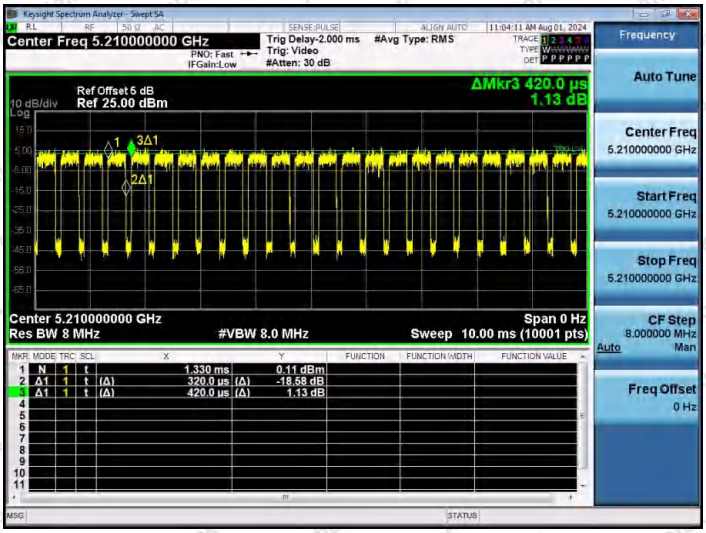

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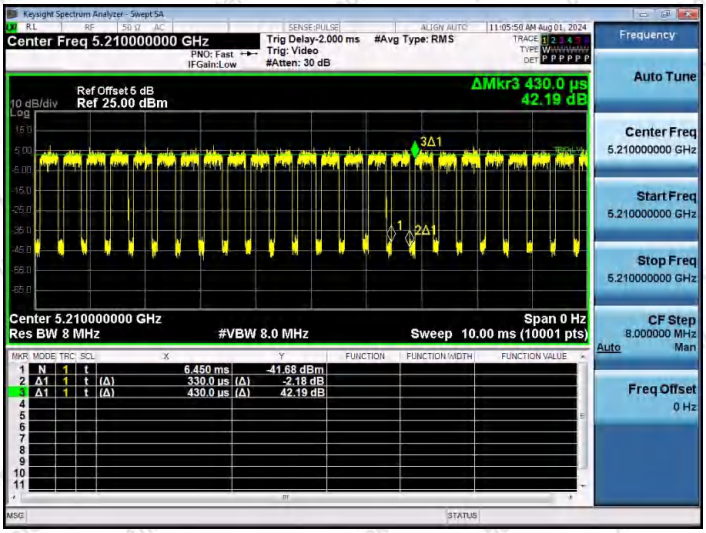

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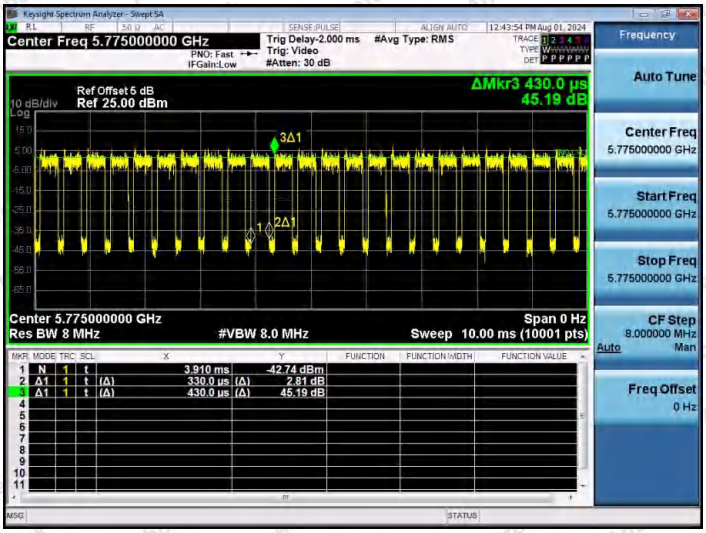

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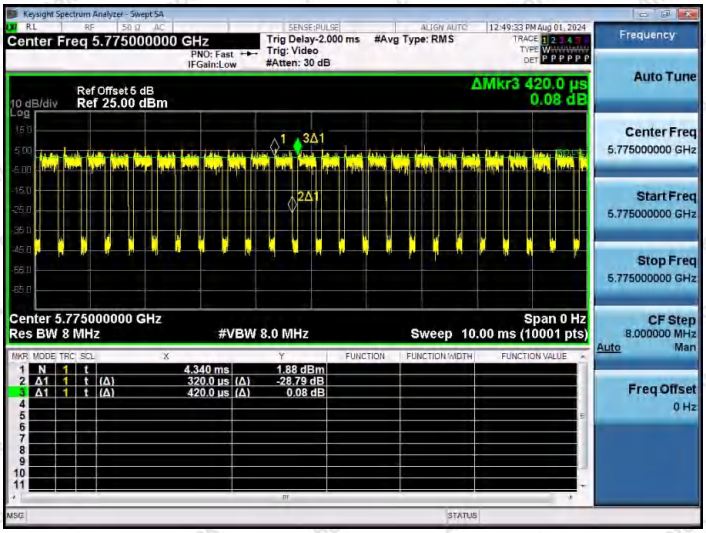

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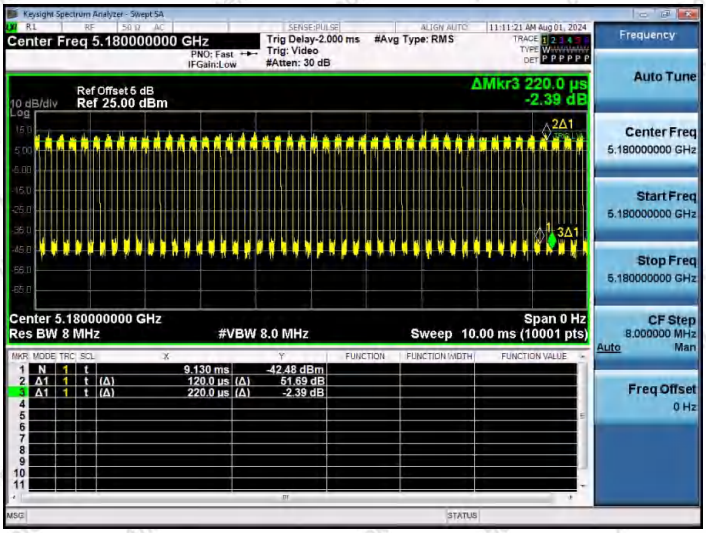

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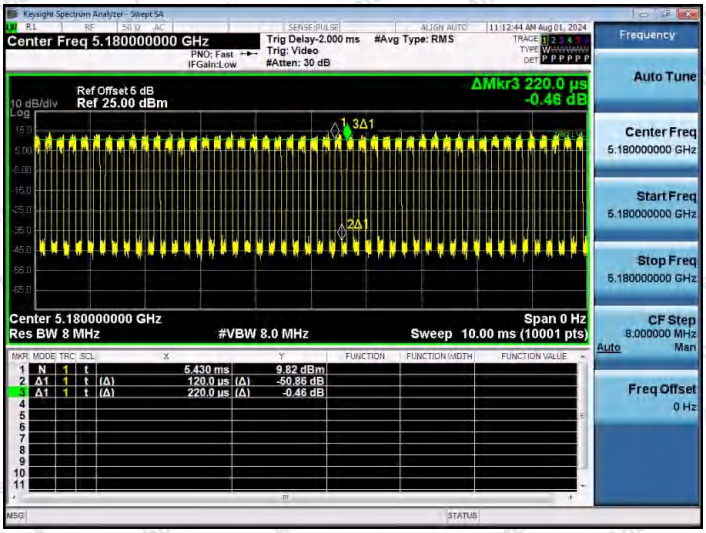

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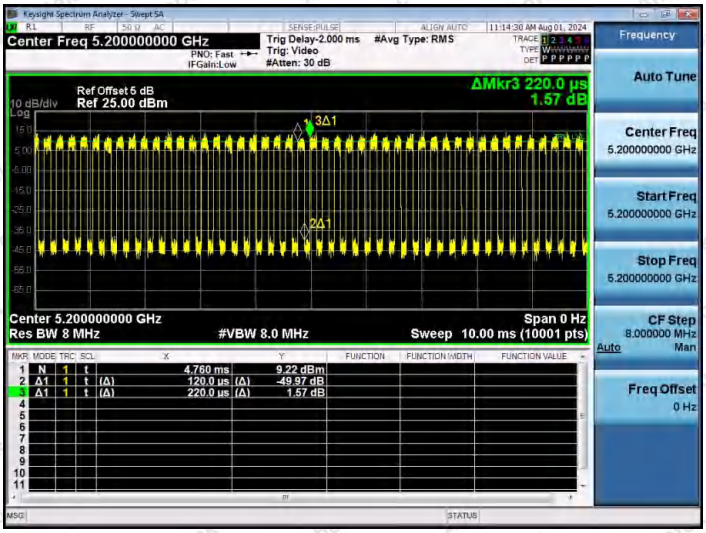

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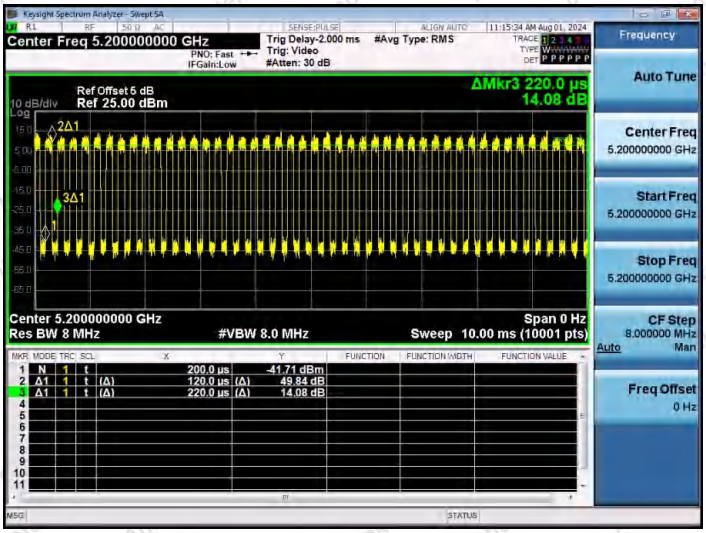

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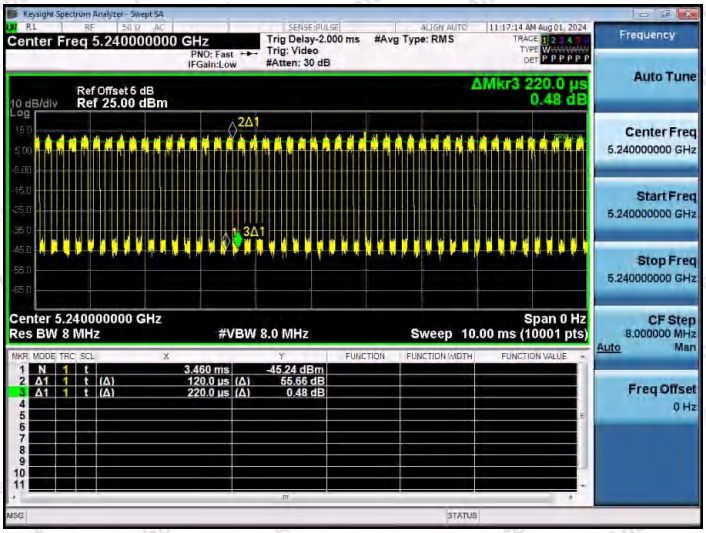

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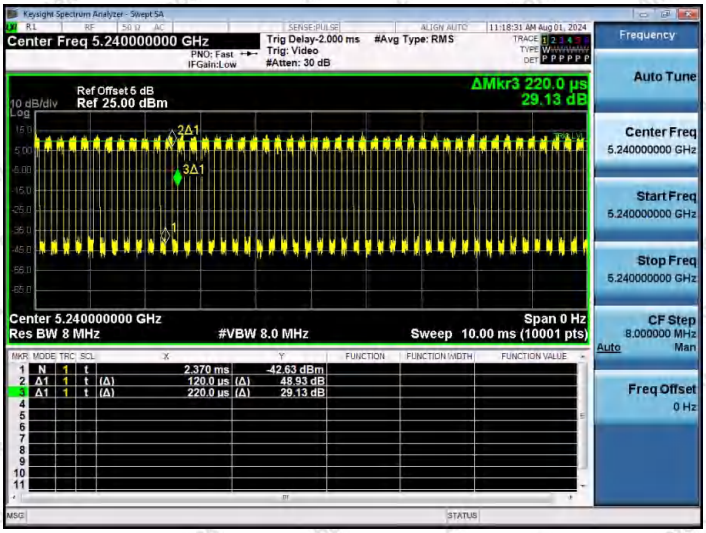

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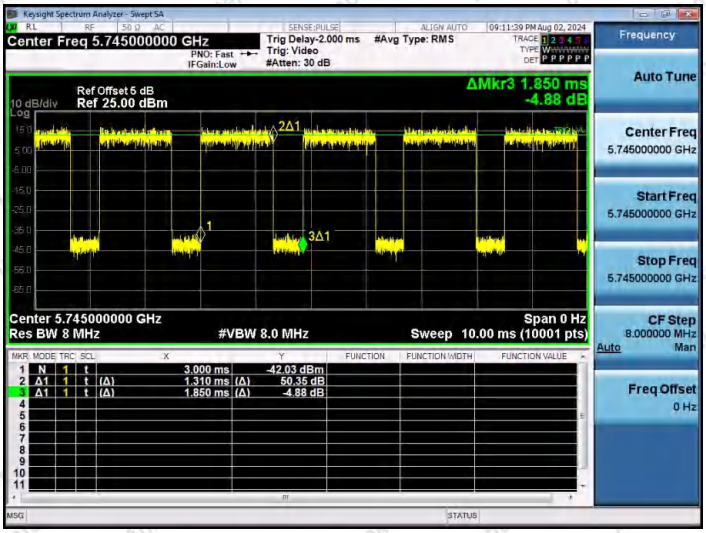

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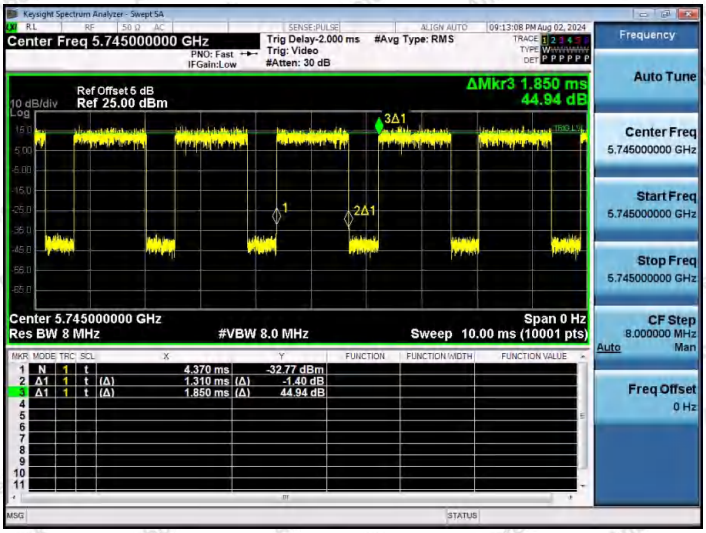

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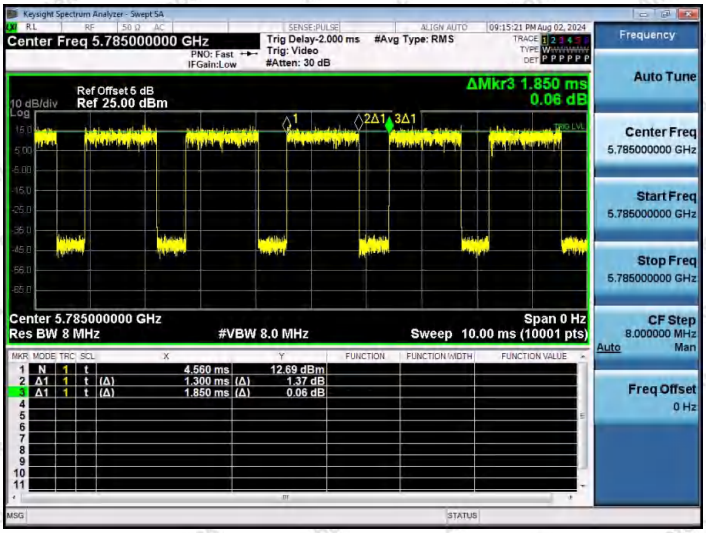

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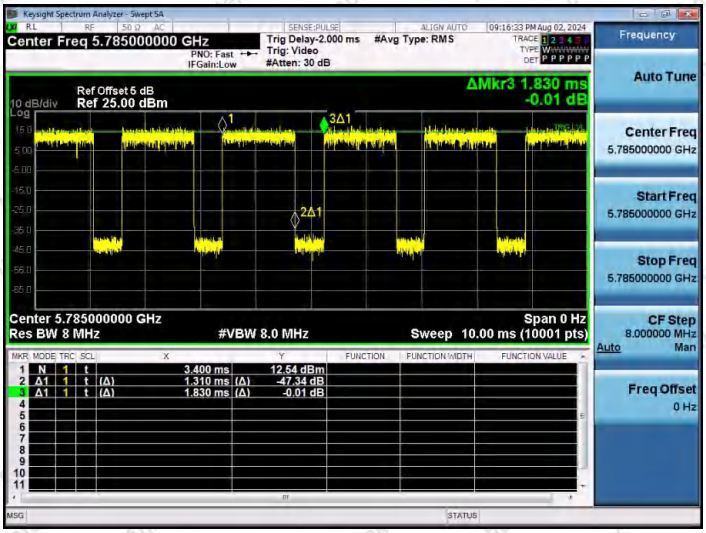

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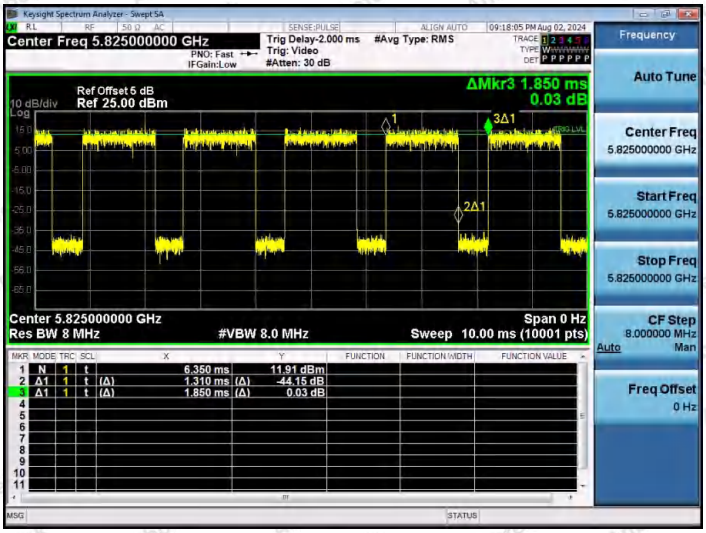
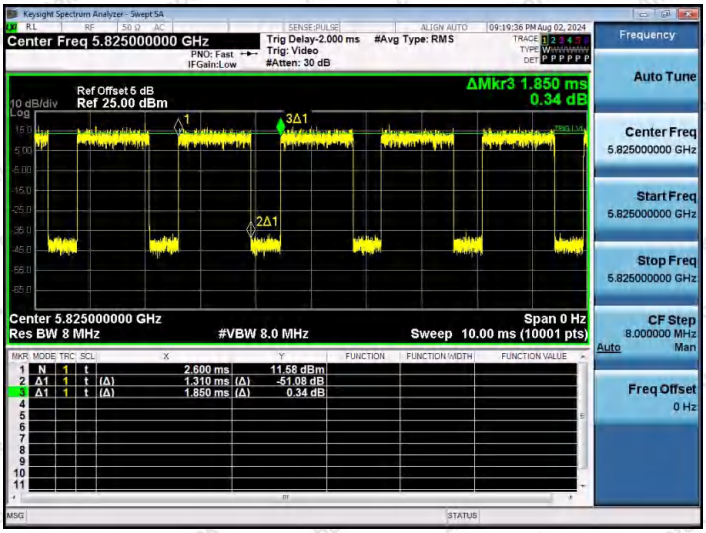


NTNV-11AX20MIMO-Ant1-5825



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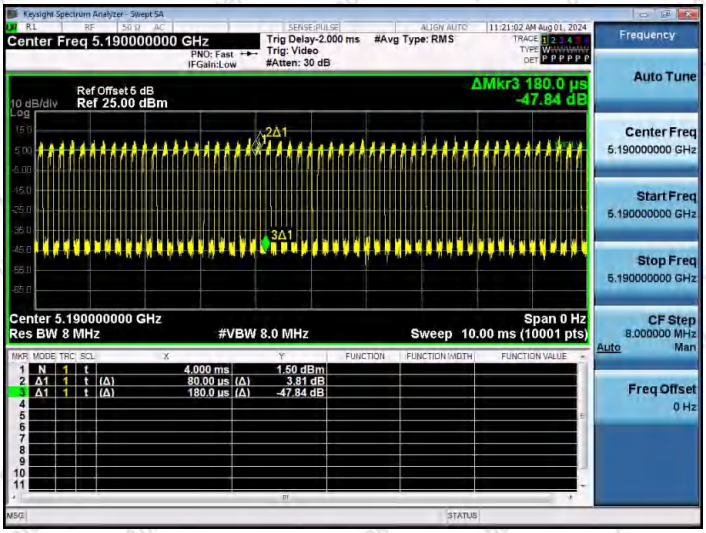

NTNV-11AX40MIMO-Ant1-5190