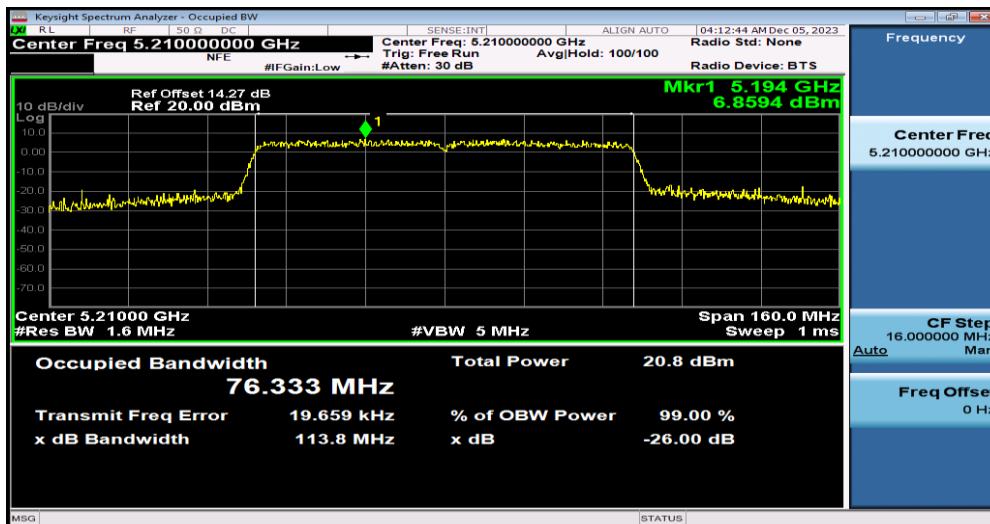
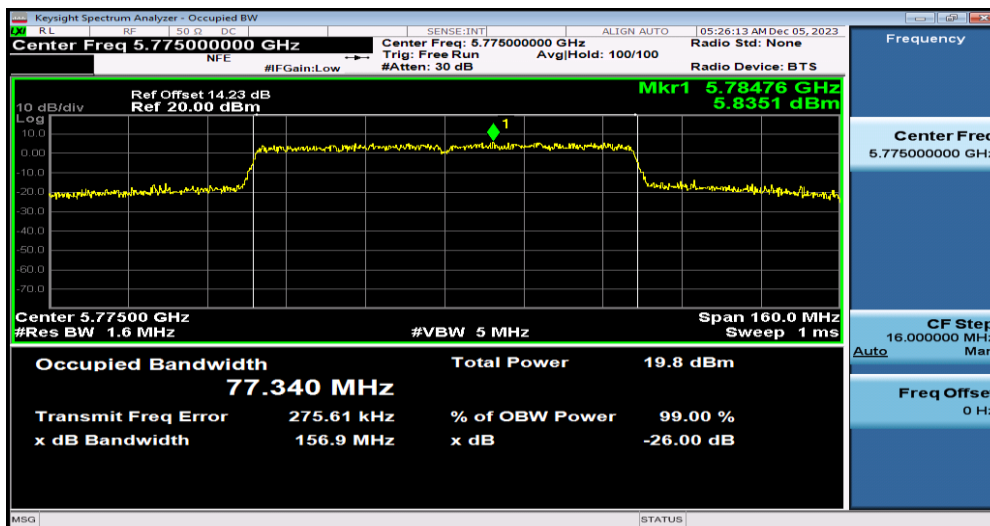
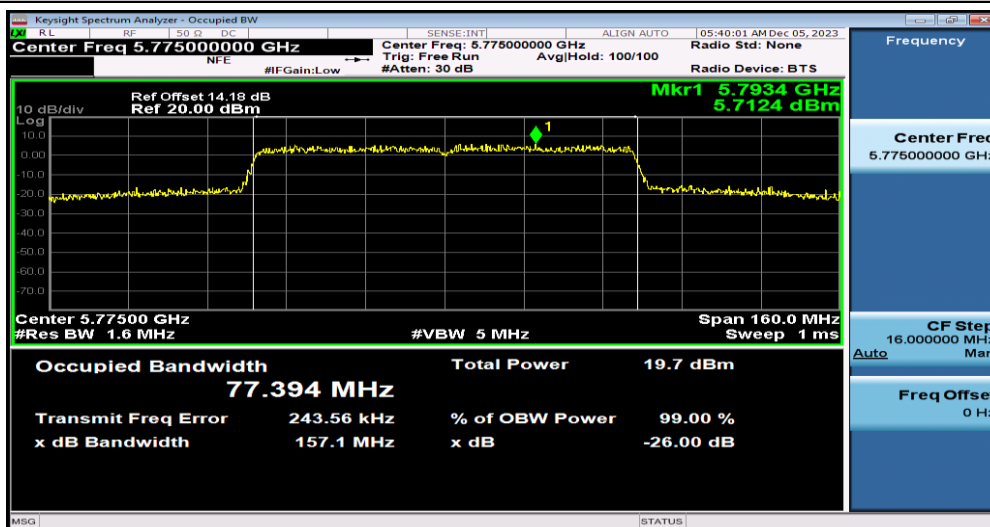




11AC80MIMO-Ant1-5210



11AC80MIMO-Ant0-5775



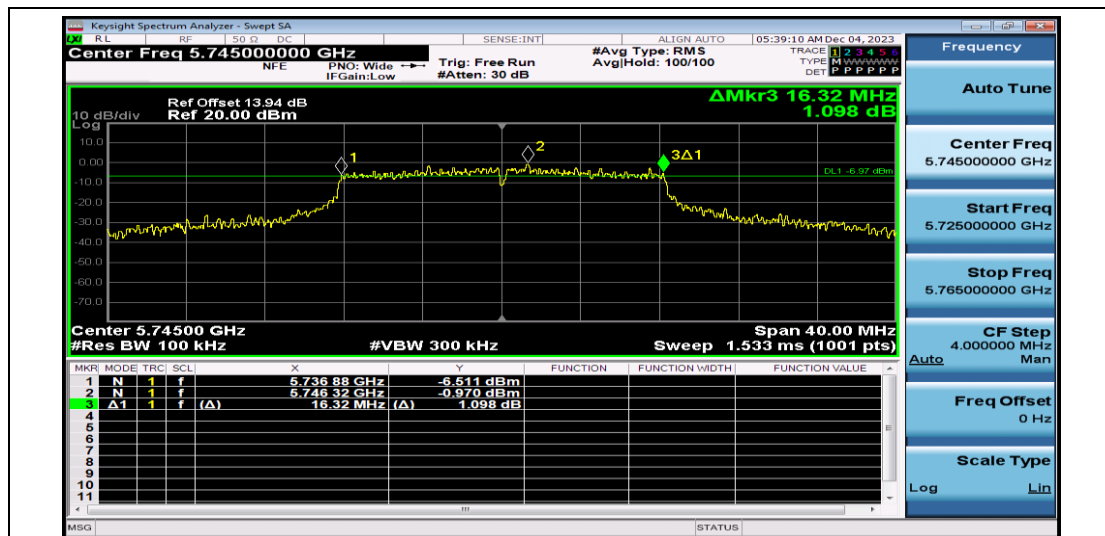
11AC80MIMO-Ant1-5775

Appendix D: Min emission bandwidth

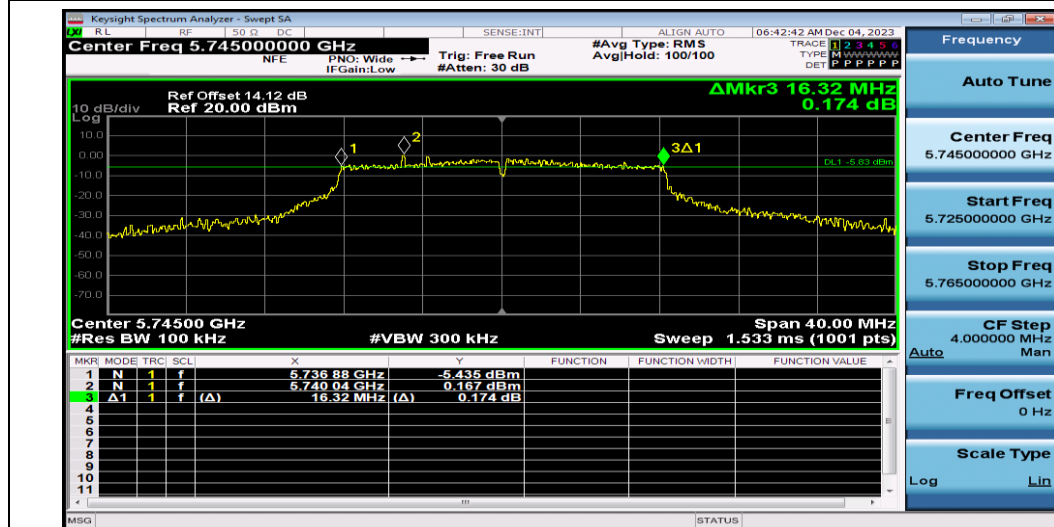
Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.320	5736.880	5753.200	0.5	PASS
11A	Ant1	5745	16.320	5736.880	5753.200	0.5	PASS
11A	Ant0	5785	16.280	5776.920	5793.200	0.5	PASS
11A	Ant1	5785	16.320	5776.840	5793.160	0.5	PASS
11A	Ant0	5825	16.320	5816.880	5833.200	0.5	PASS
11A	Ant1	5825	16.040	5817.160	5833.200	0.5	PASS
11N20MIMO	Ant0	5745	17.560	5736.280	5753.840	0.5	PASS
11N20MIMO	Ant1	5745	17.280	5736.280	5753.560	0.5	PASS
11N20MIMO	Ant0	5785	17.560	5776.280	5793.840	0.5	PASS
11N20MIMO	Ant1	5785	17.200	5776.640	5793.840	0.5	PASS
11N20MIMO	Ant0	5825	17.360	5816.240	5833.600	0.5	PASS
11N20MIMO	Ant1	5825	17.560	5816.280	5833.840	0.5	PASS
11N40MIMO	Ant0	5755	36.400	5736.840	5773.240	0.5	PASS
11N40MIMO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
11N40MIMO	Ant0	5795	36.240	5776.920	5813.160	0.5	PASS
11N40MIMO	Ant1	5795	36.240	5776.920	5813.160	0.5	PASS
11AC80MIMO	Ant0	5775	76.320	5736.920	5813.240	0.5	PASS
11AC80MIMO	Ant1	5775	76.000	5737.240	5813.240	0.5	PASS

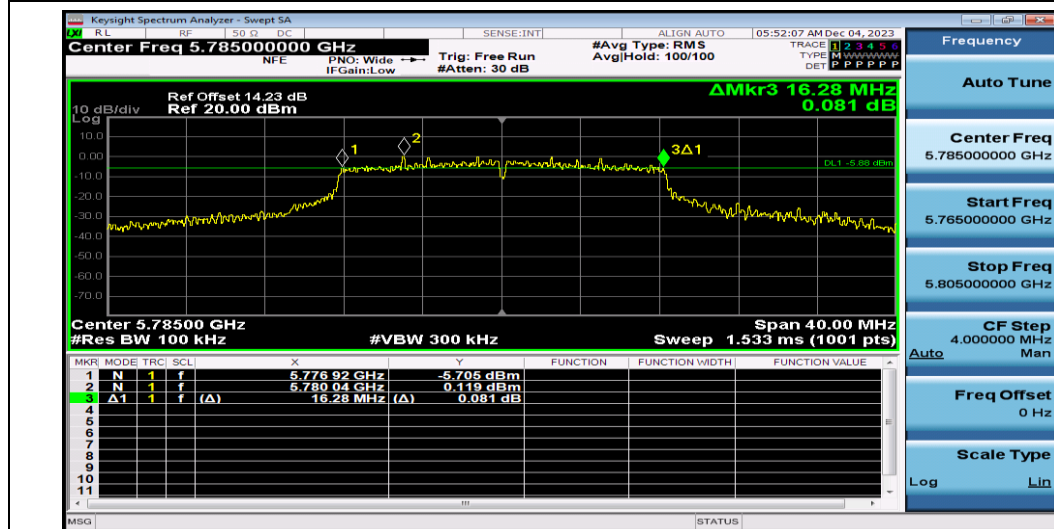
Test Graphs B4



11A-Ant0-5745



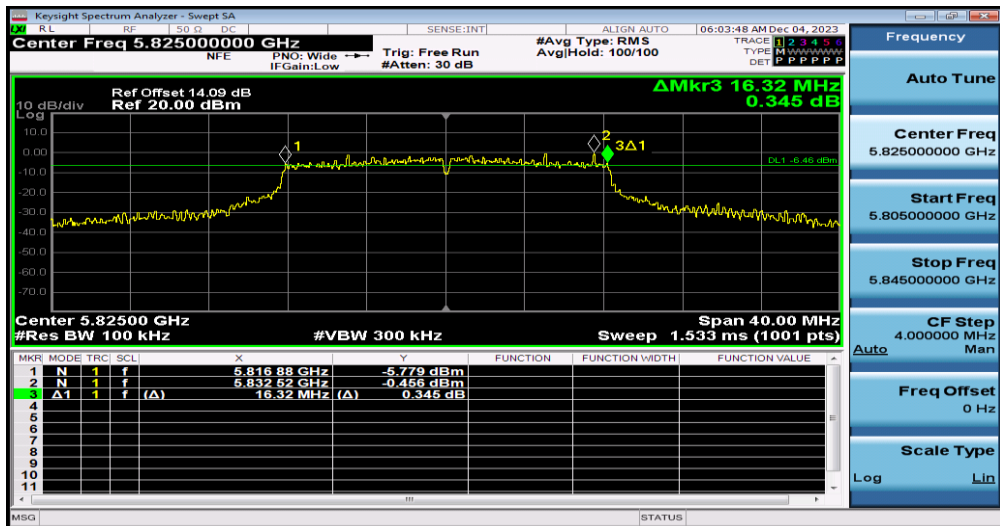
11A-Ant1-5745



11A-Ant0-5785



11A-Ant1-5785



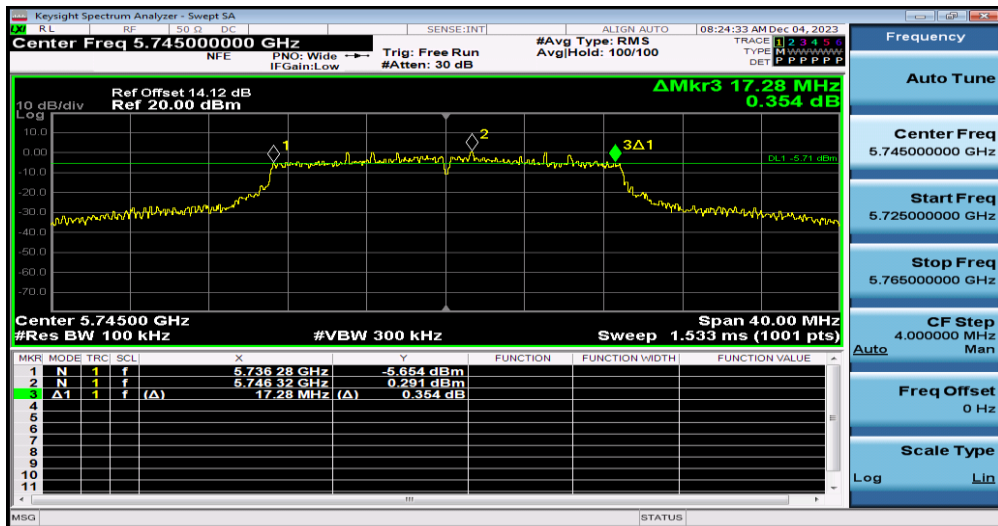
11A-Ant0-5825



11A-Ant1-5825



11N20MIMO-Ant0-5745



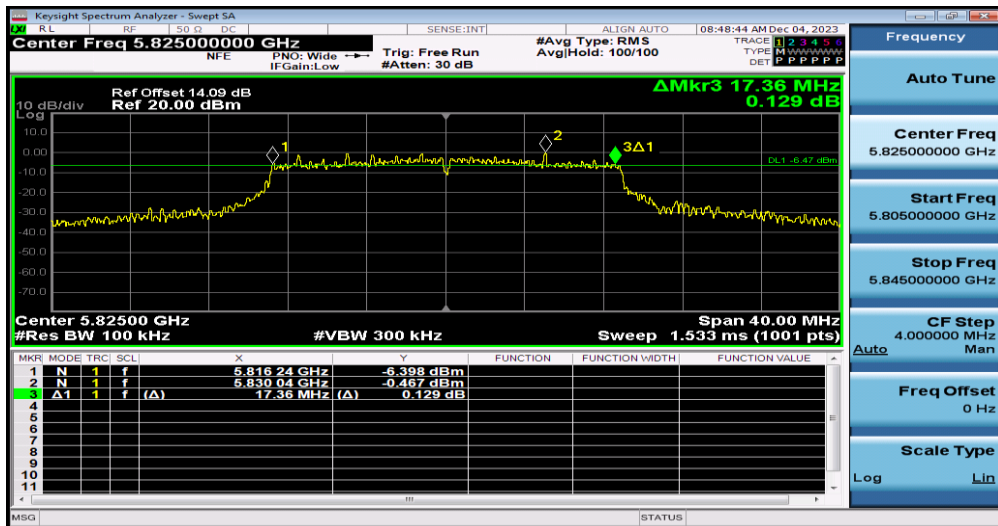
11N20MIMO-Ant1-5745



11N20MIMO-Ant0-5785



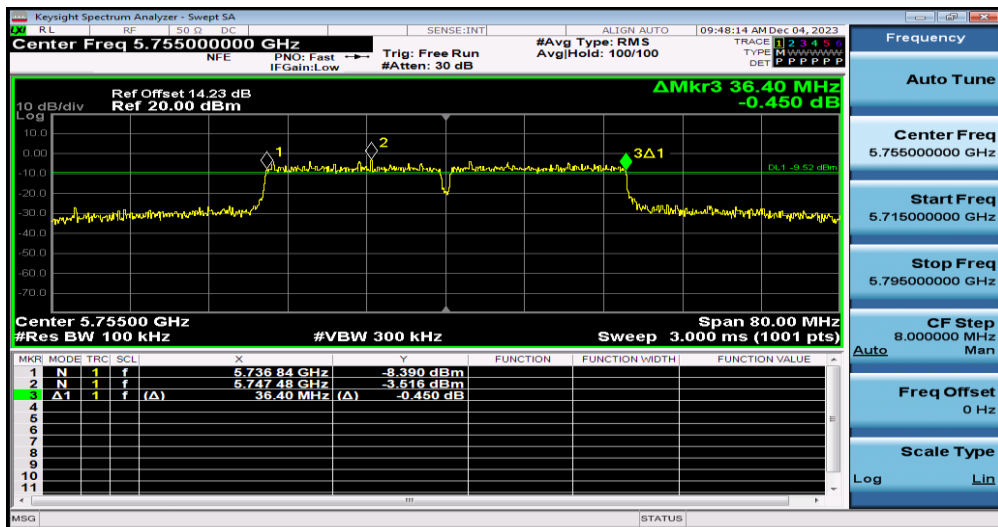
11N20MIMO-Ant1-5785



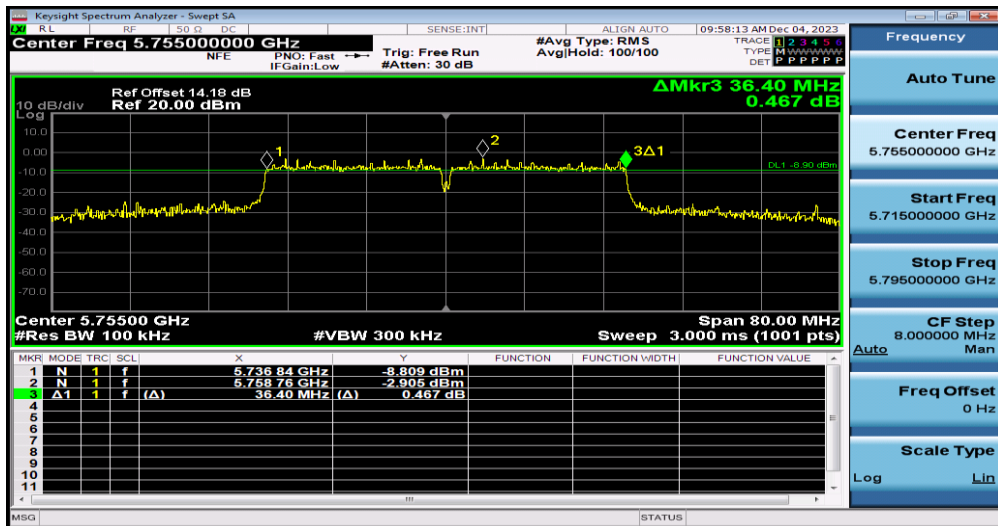
11N20MIMO-Ant0-5825



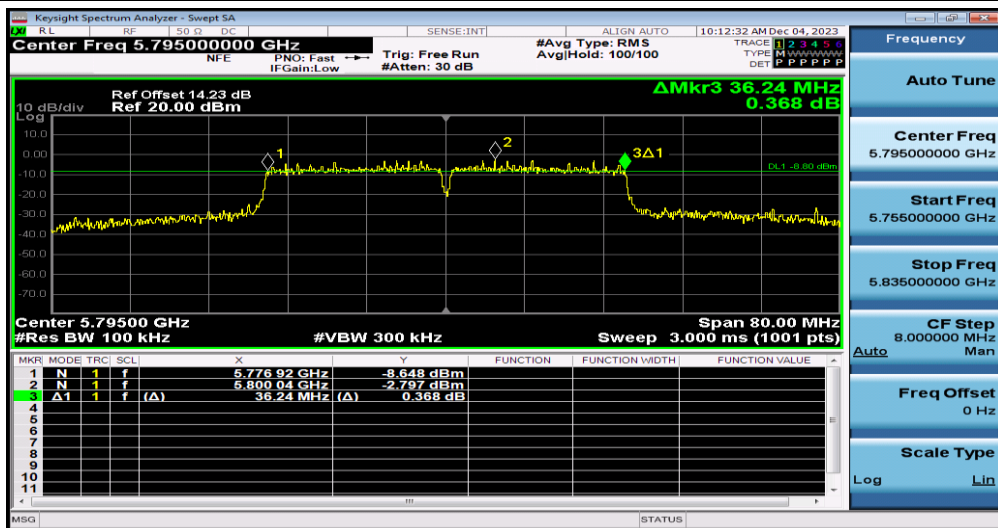
11N20MIMO-Ant1-5825



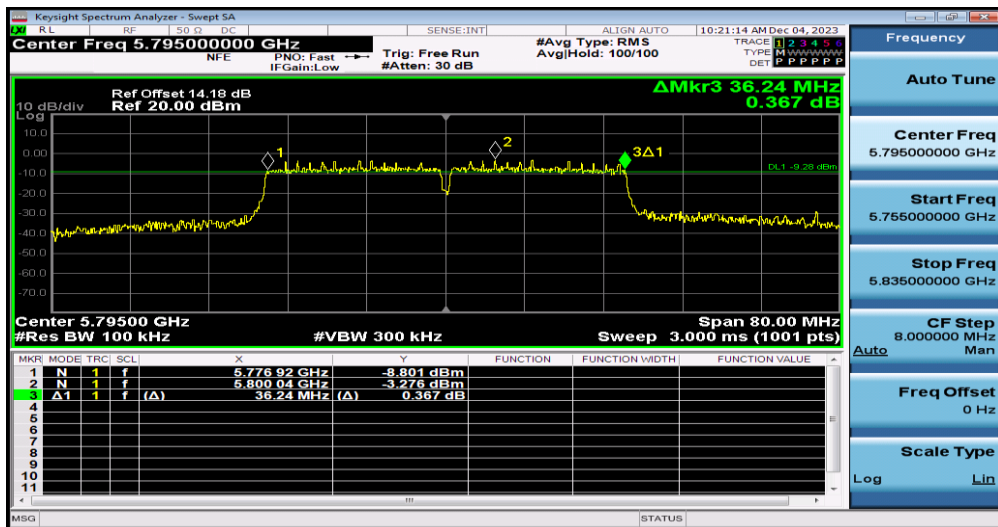
11N40MIMO-Ant0-5755



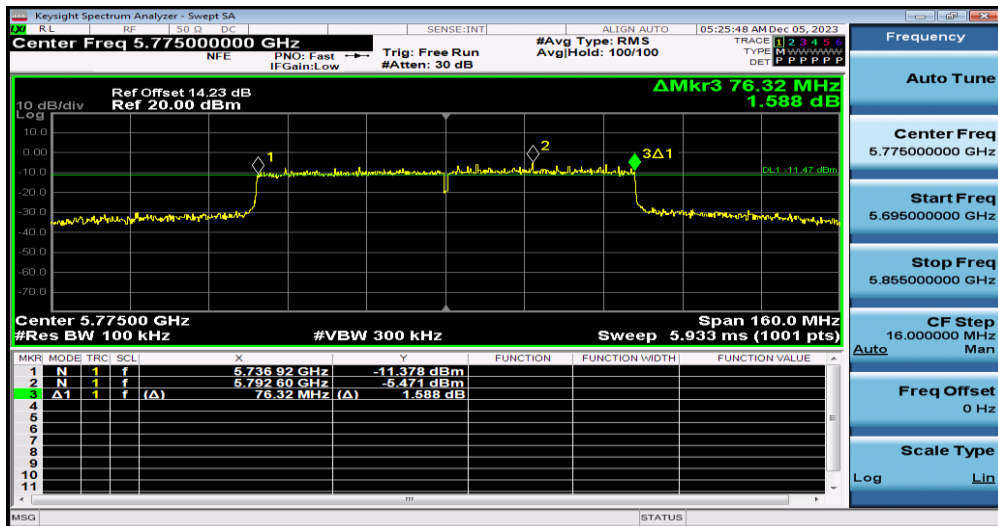
11N40MIMO-Ant1-5755



11N40MIMO-Ant0-5795



11N40MIMO-Ant1-5795



11AC80MIMO-Ant0-5775



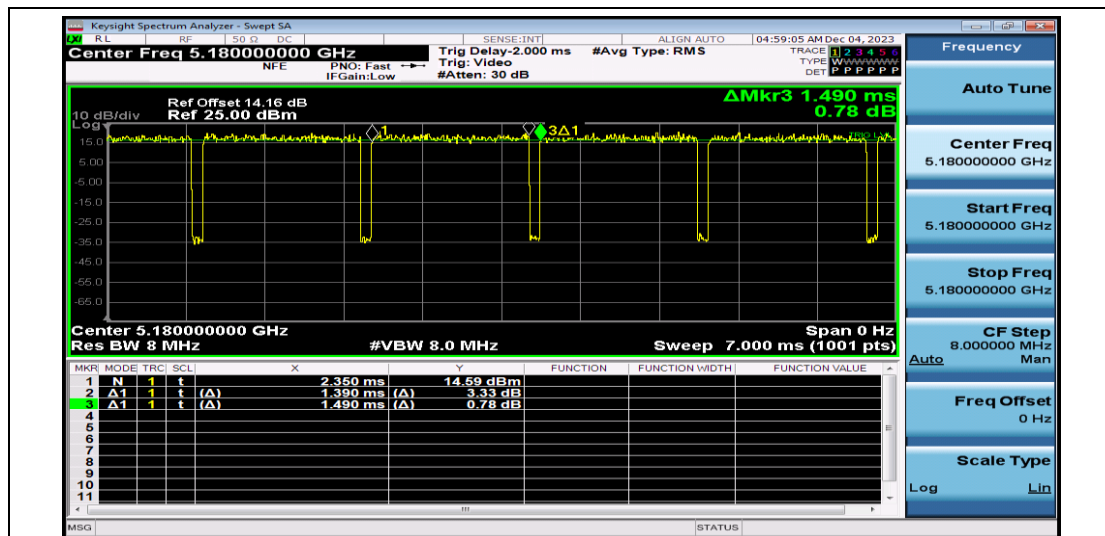
11AC80MIMO-Ant1-5775

Appendix D: Duty Cycle

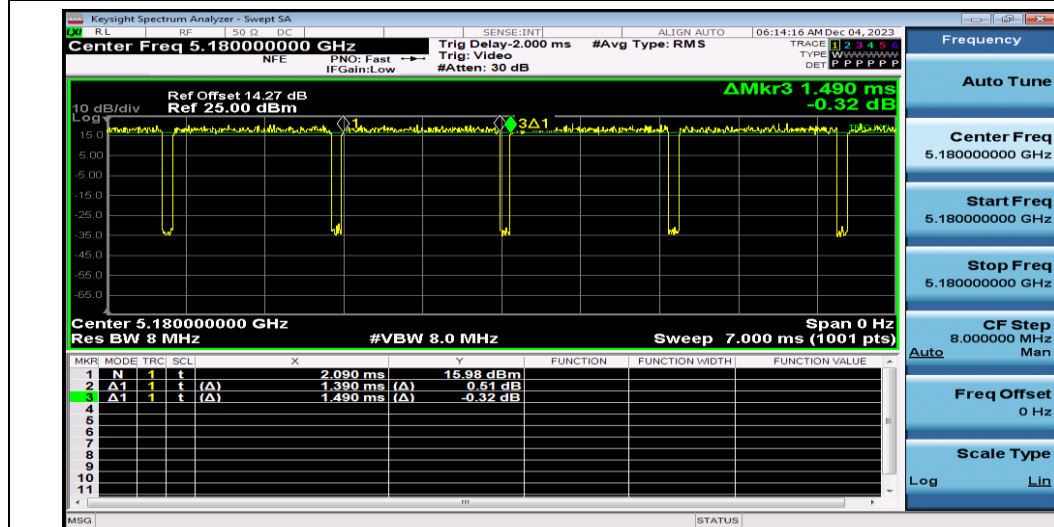
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant0	5180	1.39	1.49	93.29
11A	Ant1	5180	1.39	1.49	93.29
11A	Ant0	5200	1.39	1.50	92.67
11A	Ant1	5200	1.40	1.50	93.33
11A	Ant0	5240	1.39	1.49	93.29
11A	Ant1	5240	1.39	1.50	92.67
11A	Ant0	5745	1.40	1.50	93.33
11A	Ant1	5745	1.39	1.49	93.29
11A	Ant0	5785	1.40	1.49	93.96
11A	Ant1	5785	1.40	1.50	93.33
11A	Ant0	5825	1.40	1.49	93.96
11A	Ant1	5825	1.40	1.50	93.33
11N20MIMO	Ant0	5180	1.30	1.41	92.20
11N20MIMO	Ant1	5180	1.31	1.41	92.91
11N20MIMO	Ant0	5200	1.30	1.40	92.86
11N20MIMO	Ant1	5200	1.31	1.41	92.91
11N20MIMO	Ant0	5240	1.31	1.41	92.91
11N20MIMO	Ant1	5240	1.31	1.41	92.91
11N20MIMO	Ant0	5745	1.30	1.40	92.86
11N20MIMO	Ant1	5745	1.31	1.41	92.91
11N20MIMO	Ant0	5785	1.30	1.40	92.86
11N20MIMO	Ant1	5785	1.31	1.41	92.91
11N20MIMO	Ant0	5825	1.31	1.41	92.91
11N20MIMO	Ant1	5825	1.31	1.40	93.57
11N40MIMO	Ant0	5190	0.65	0.74	87.84
11N40MIMO	Ant1	5190	0.65	0.75	86.67
11N40MIMO	Ant0	5230	0.65	0.75	86.67
11N40MIMO	Ant1	5230	0.65	0.75	86.67
11N40MIMO	Ant0	5755	0.65	0.74	87.84
11N40MIMO	Ant1	5755	0.65	0.75	86.67
11N40MIMO	Ant0	5795	0.65	0.75	86.67
11N40MIMO	Ant1	5795	0.64	0.74	86.49
11AC80MIMO	Ant0	5210	2.24	2.25	99.56
11AC80MIMO	Ant1	5210	2.24	2.26	99.12
11AC80MIMO	Ant0	5775	2.24	2.26	99.12
11AC80MIMO	Ant1	5775	2.24	2.26	99.12

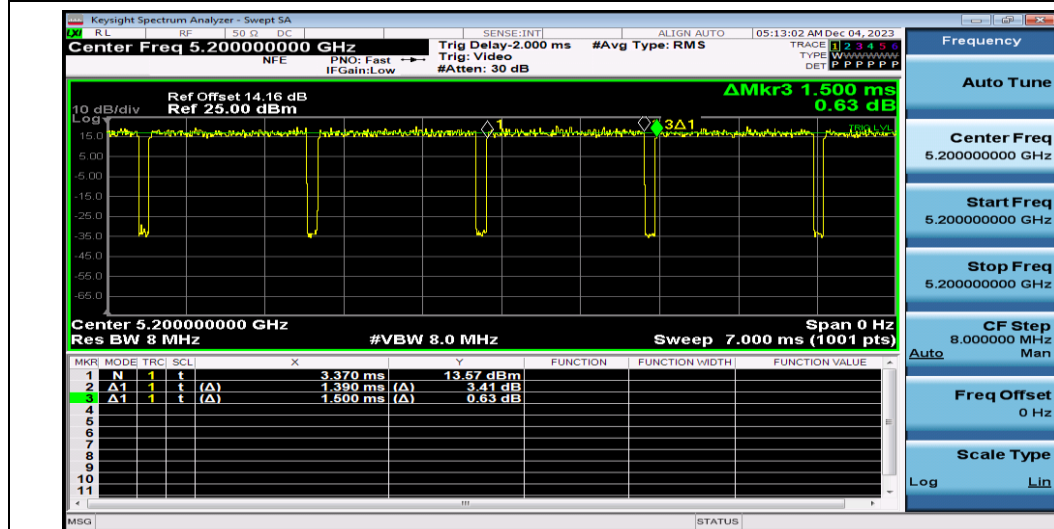
Test Graphs



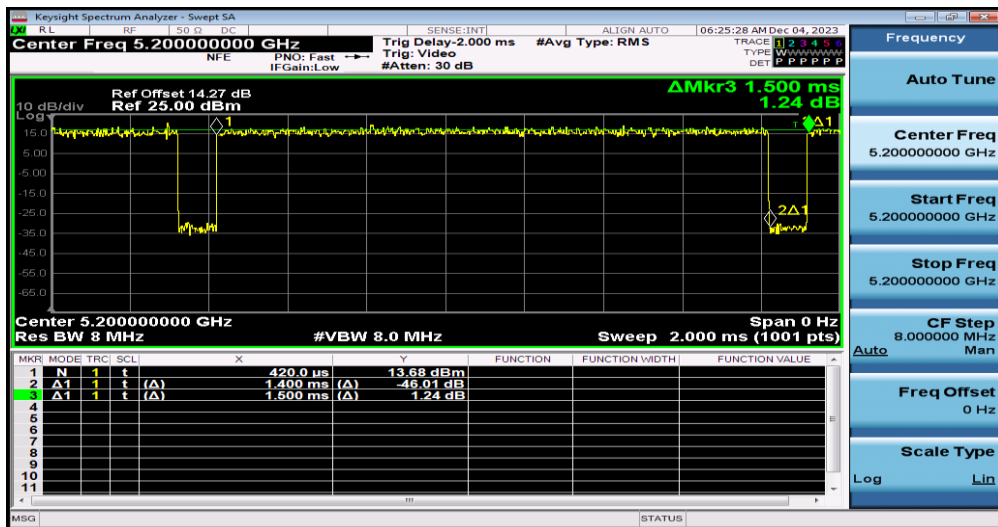
NTNV-11A-Ant0-5180



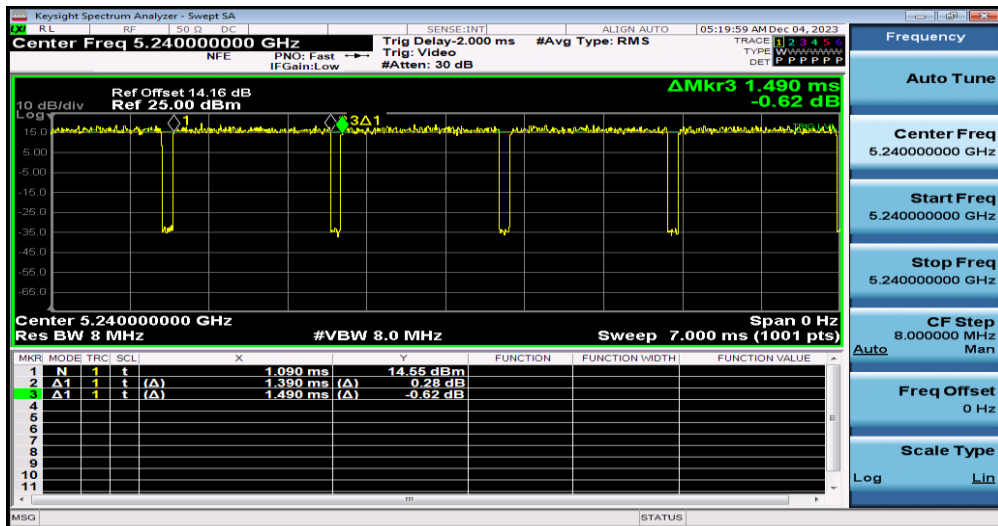
NTNV-11A-Ant1-5180



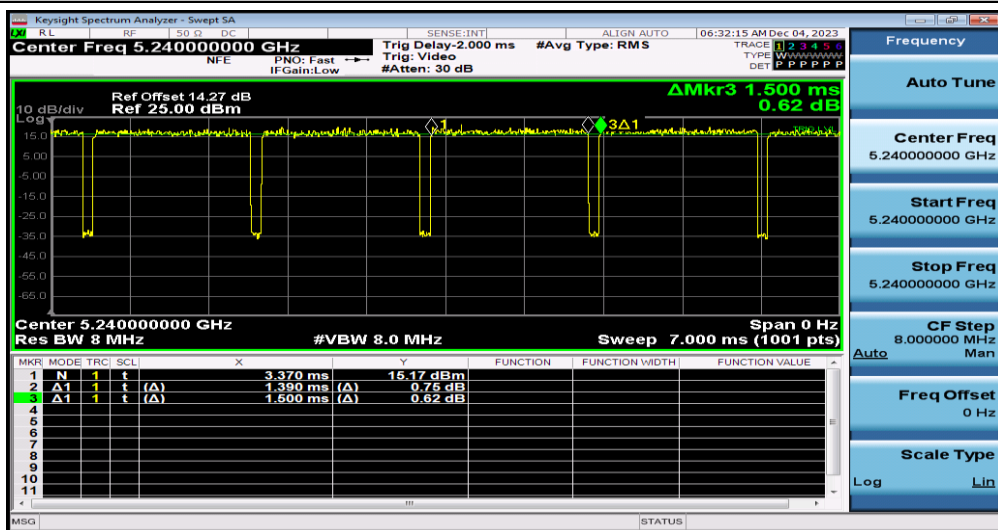
NTNV-11A-Ant0-5200



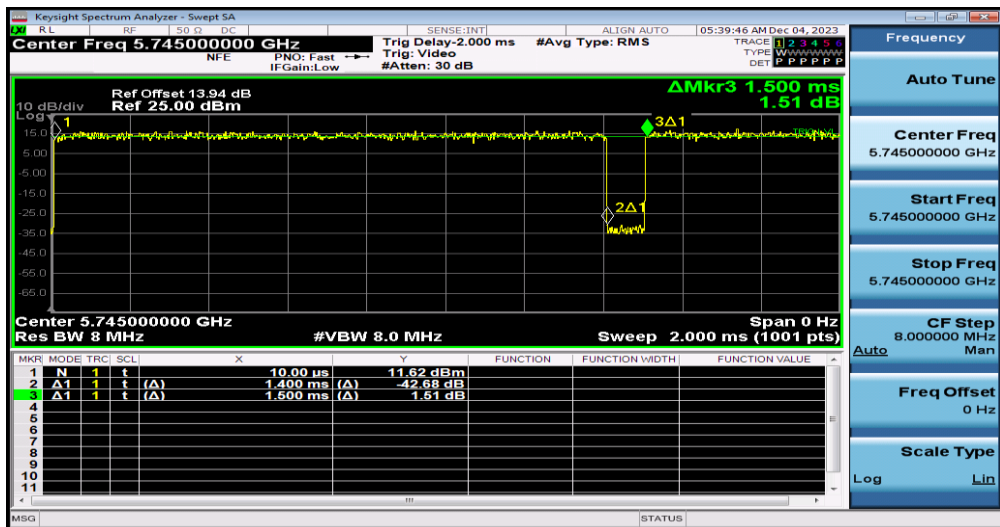
NTNV-11A-Ant1-5200



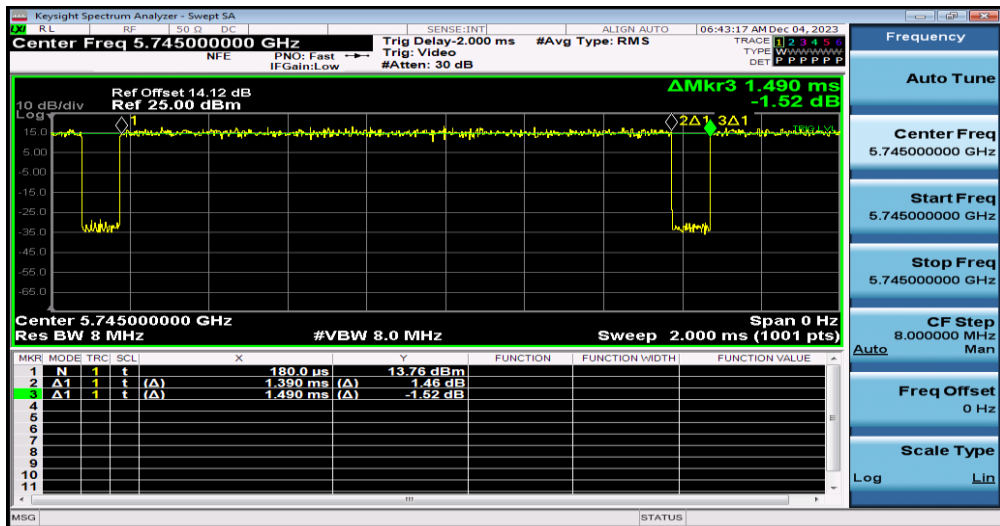
NTNV-11A-Ant0-5240



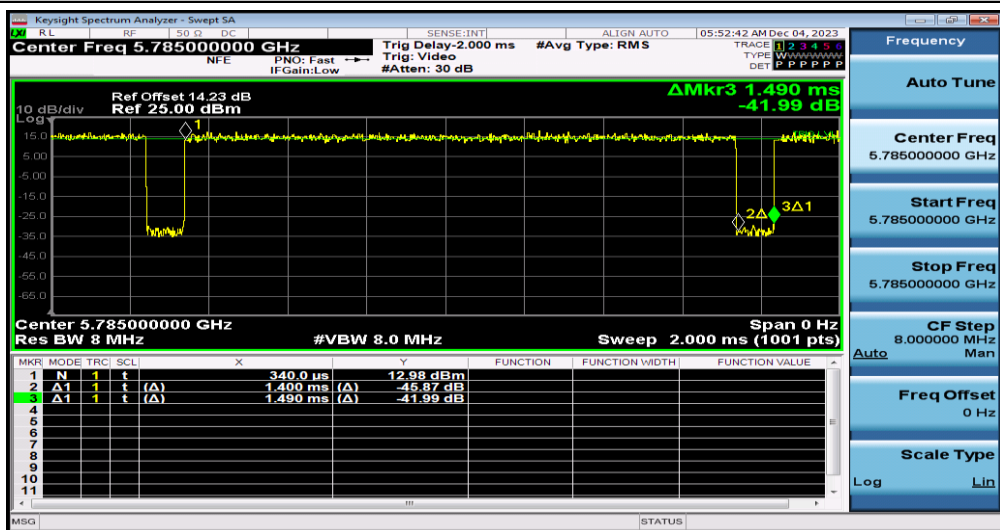
NTNV-11A-Ant1-5240



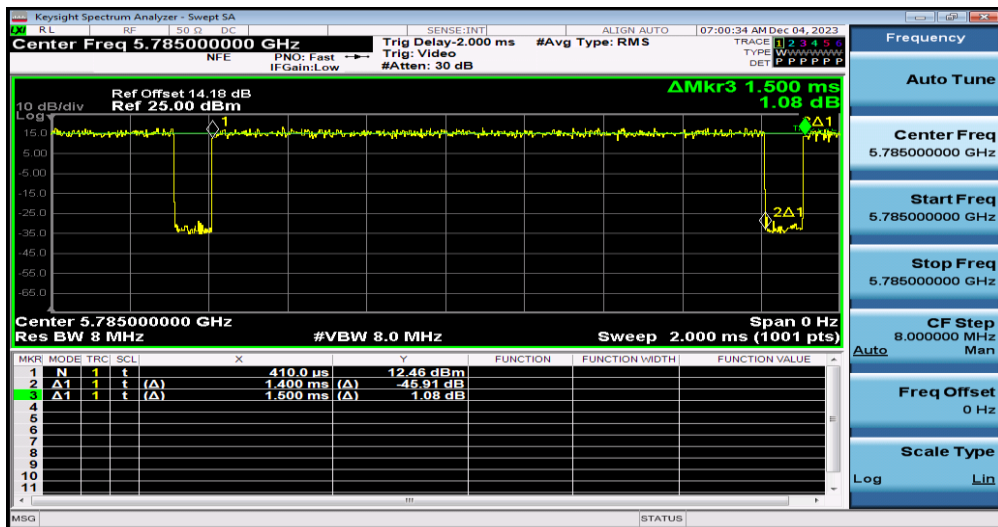
NTNV-11A-Ant0-5745



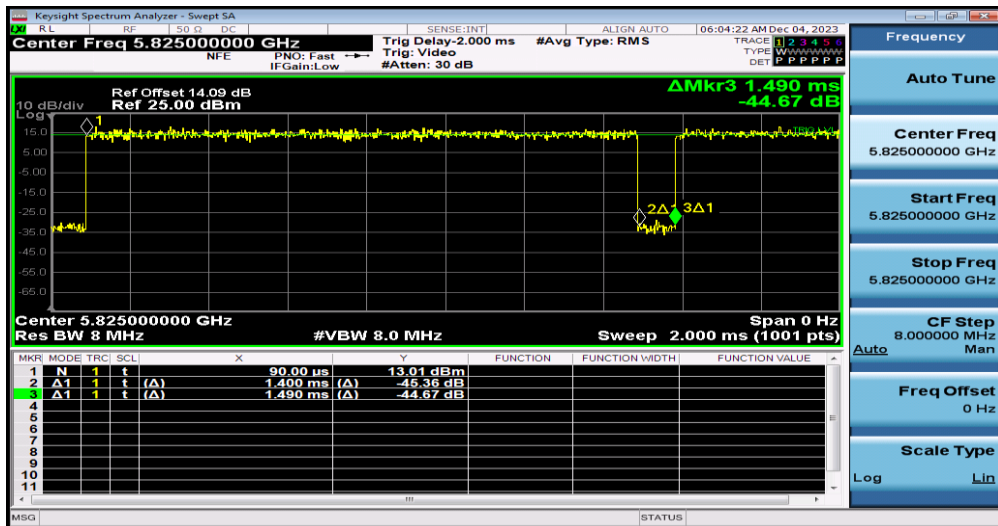
NTNV-11A-Ant1-5745



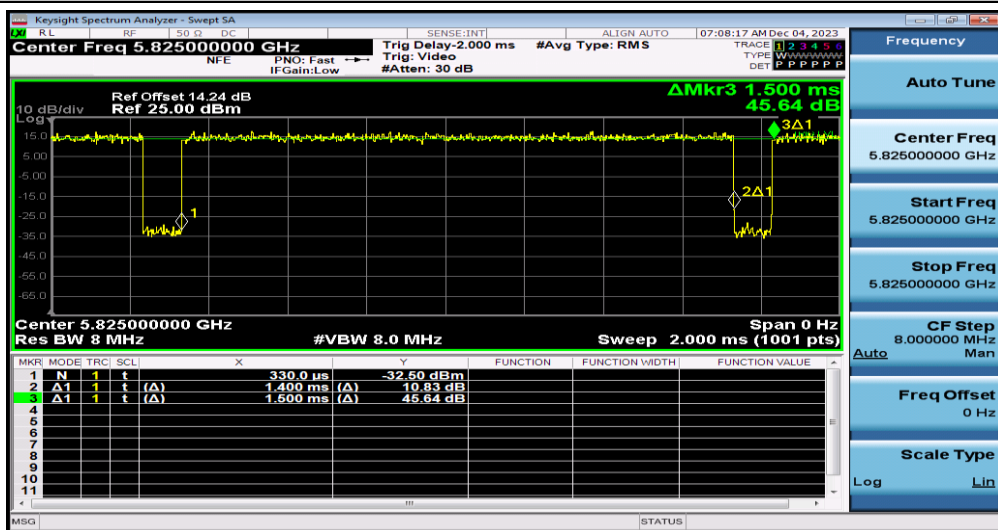
NTNV-11A-Ant0-5785



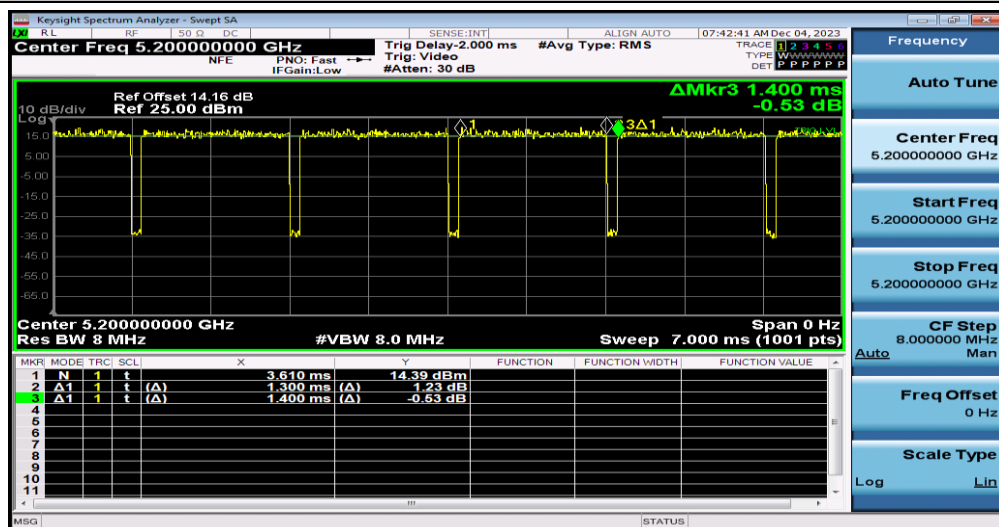
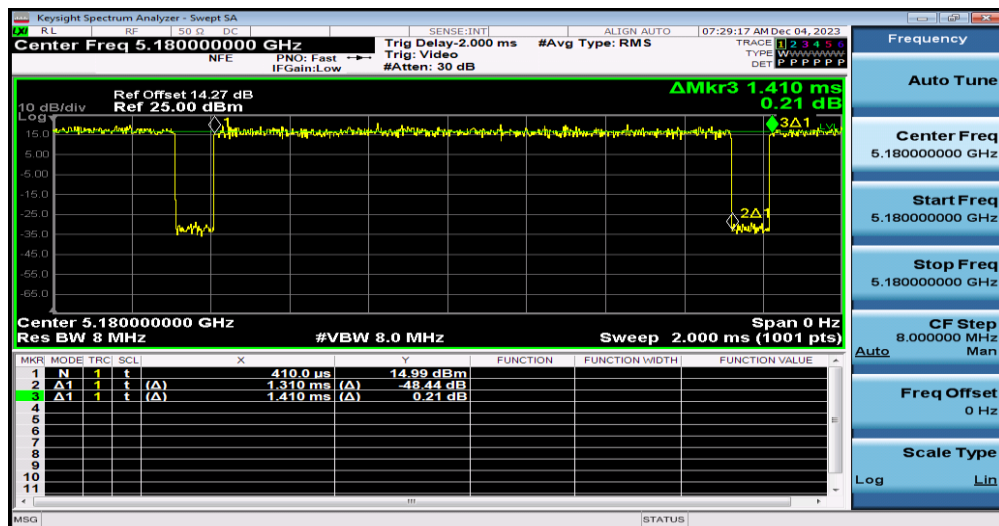
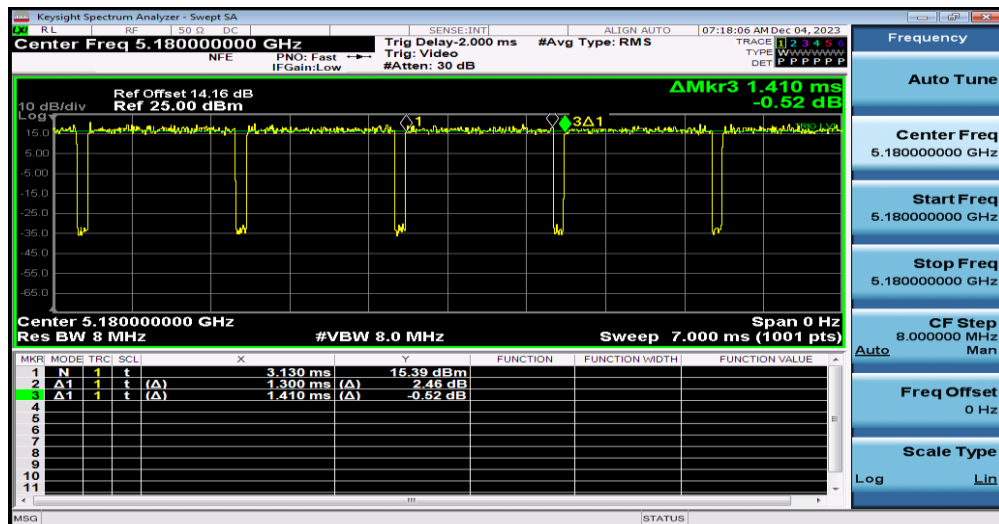
NTNV-11A-Ant1-5785

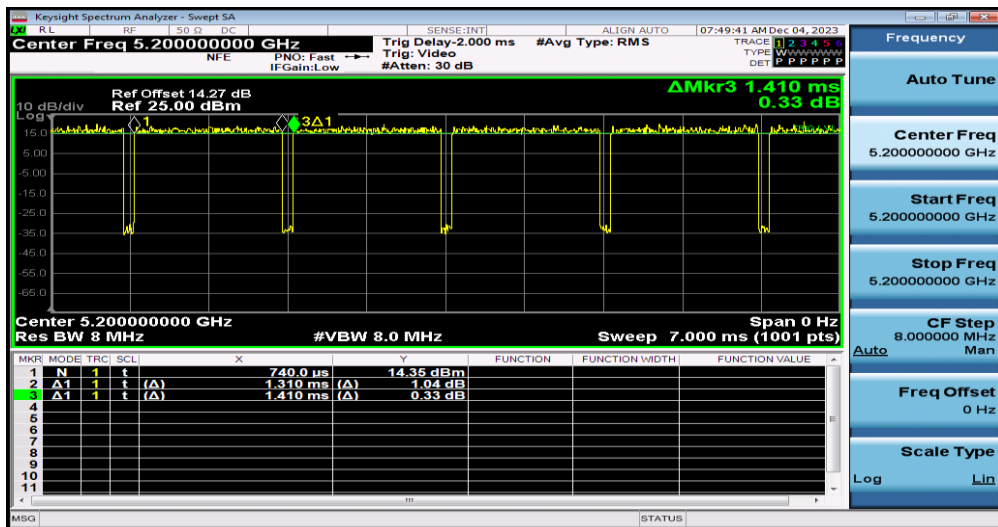


NTNV-11A-Ant0-5825

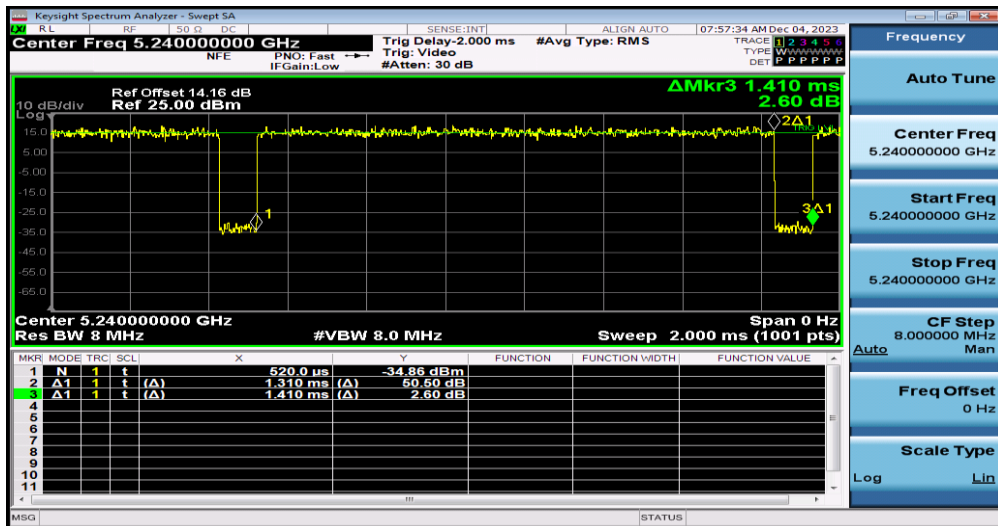


NTNV-11A-Ant1-5825

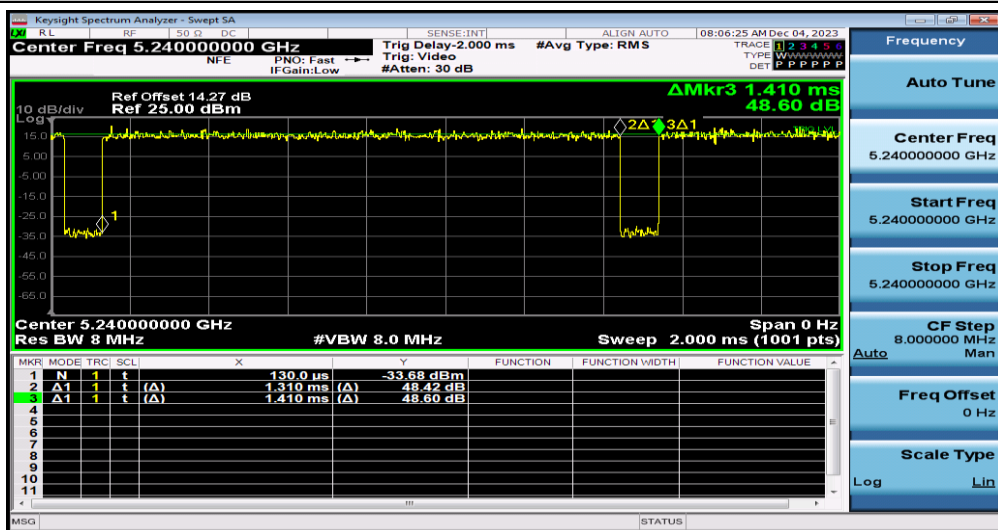




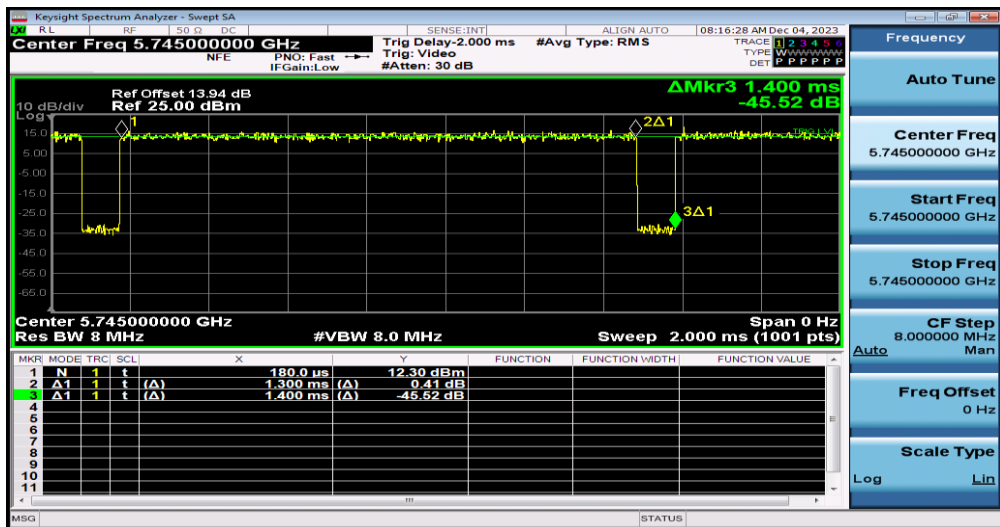
NTNV-11N20MIMO-Ant1-5200



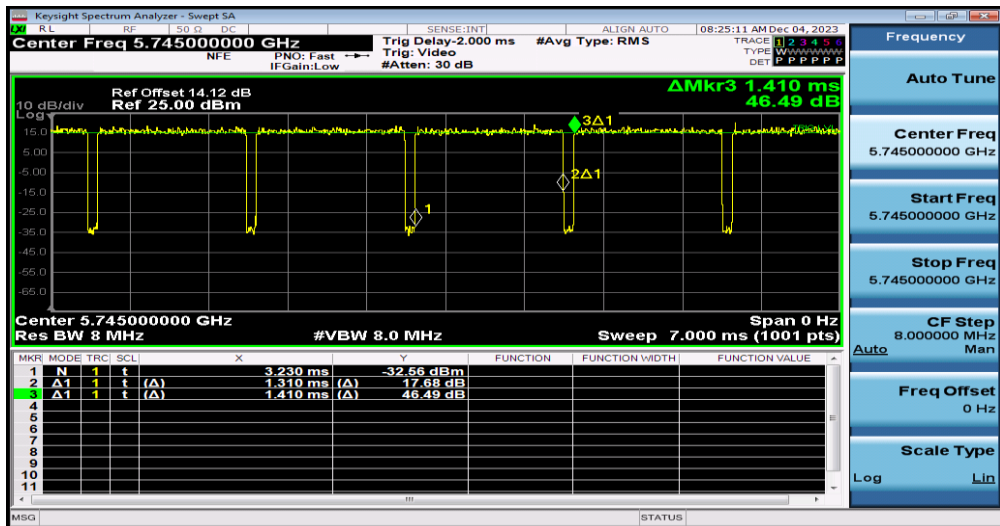
NTNV-11N20MIMO-Ant0-5240



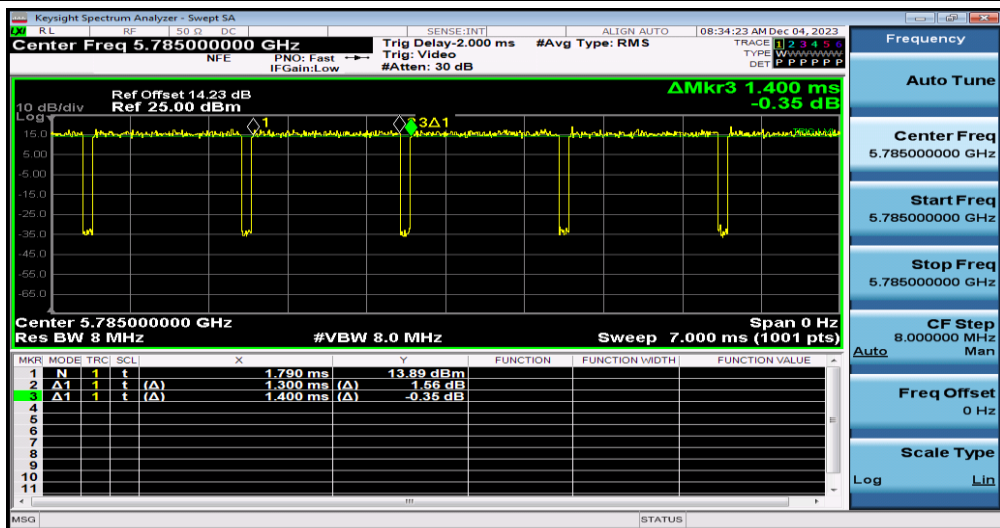
NTNV-11N20MIMO-Ant1-5240



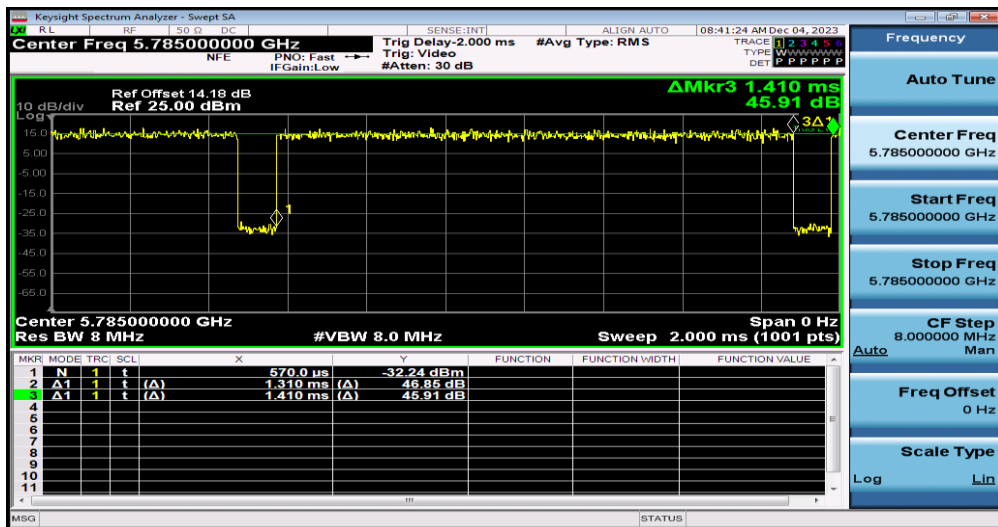
NTNV-11N20MIMO-Ant0-5745



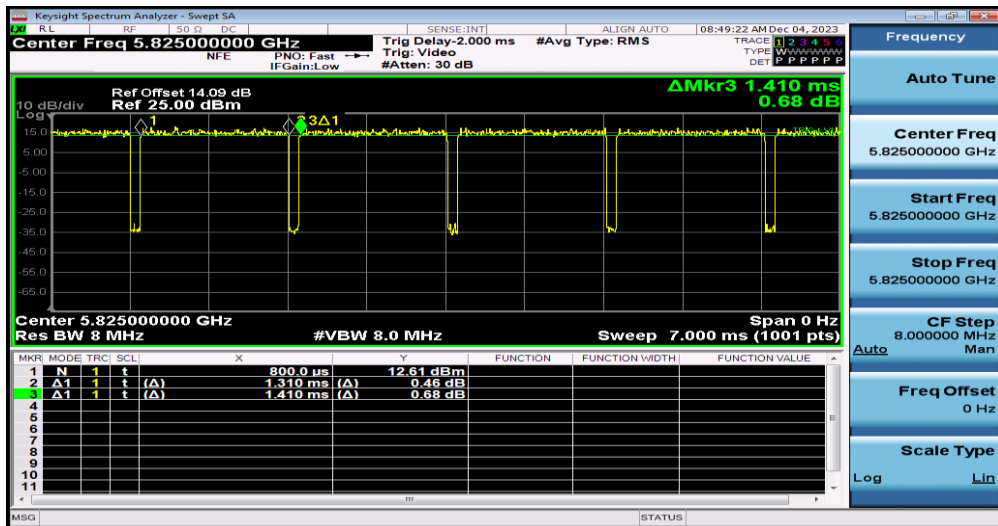
NTNV-11N20MIMO-Ant1-5745



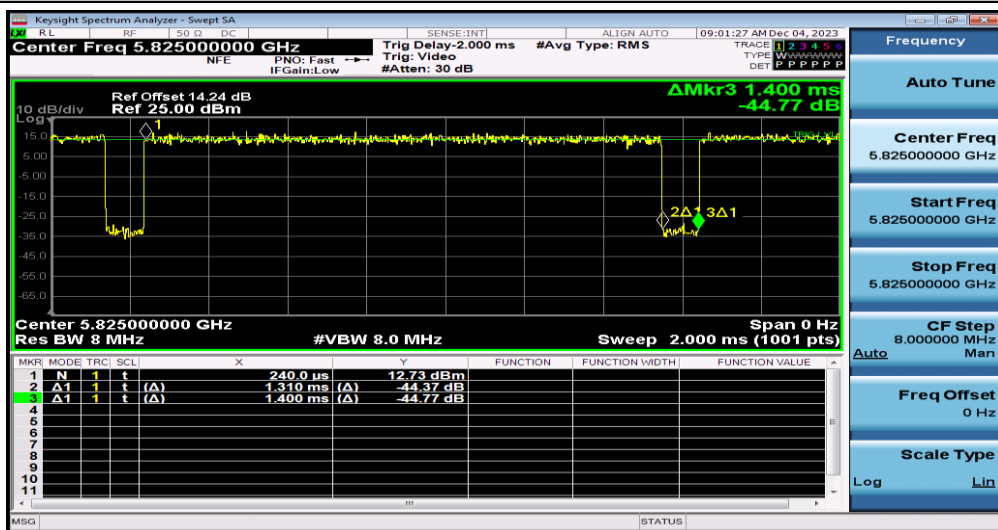
NTNV-11N20MIMO-Ant0-5785



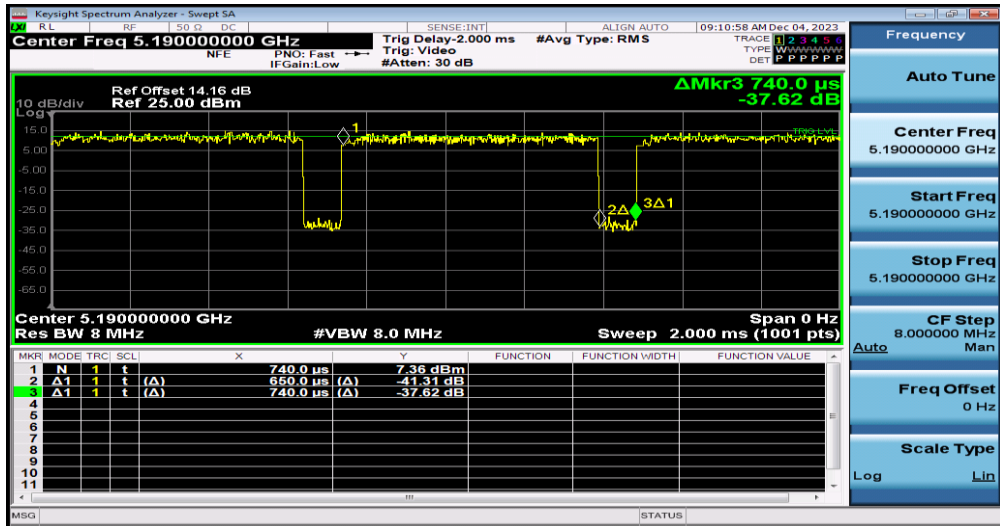
NTNV-11N20MIMO-Ant1-5785



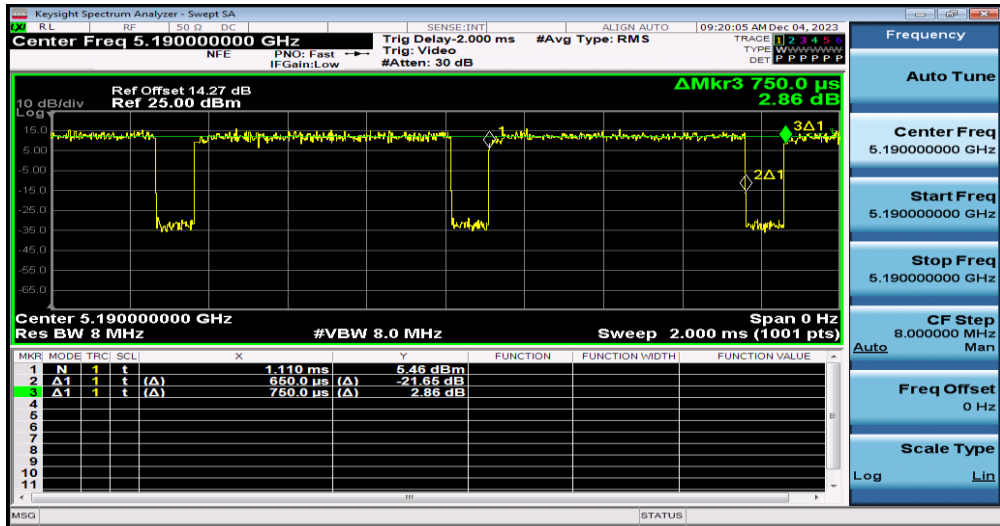
NTNV-11N20MIMO-Ant0-5825



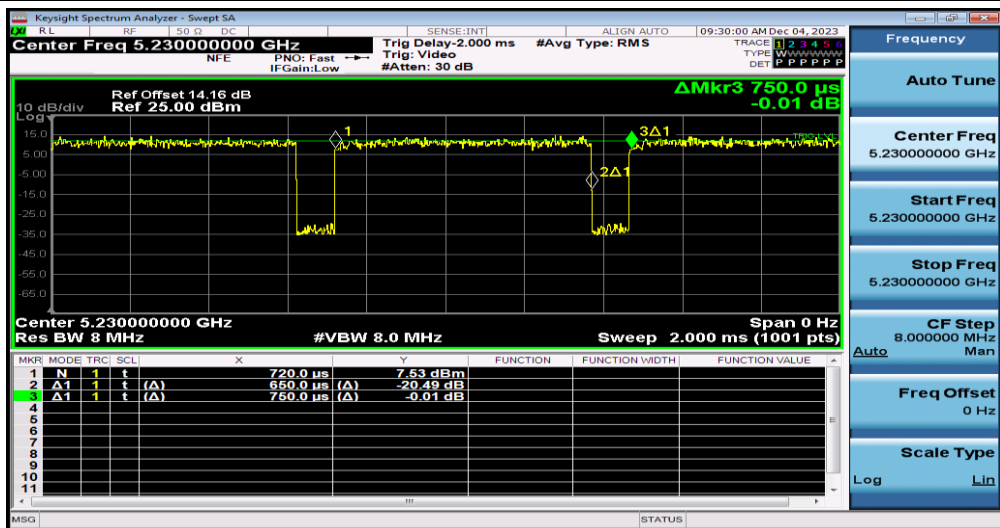
NTNV-11N20MIMO-Ant1-5825



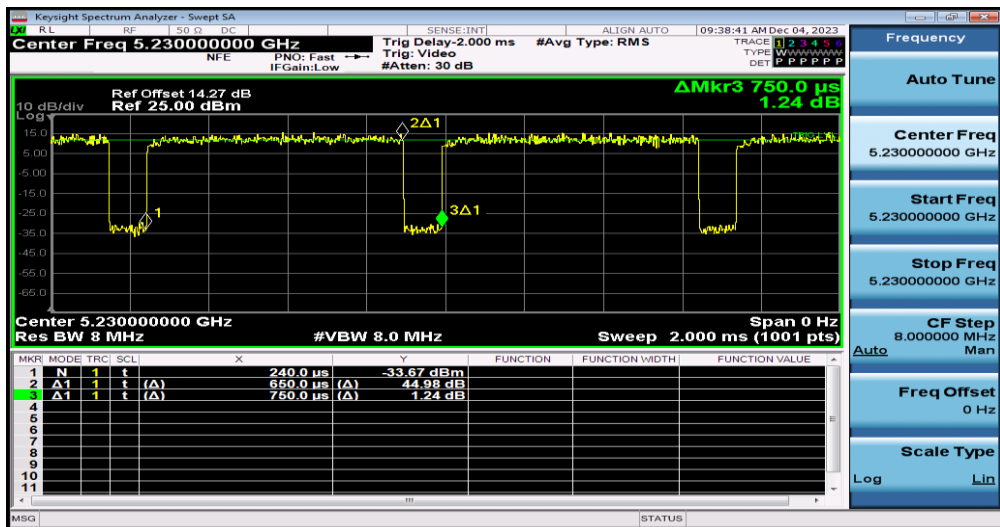
NTNV-11N40MIMO-Ant0-5190



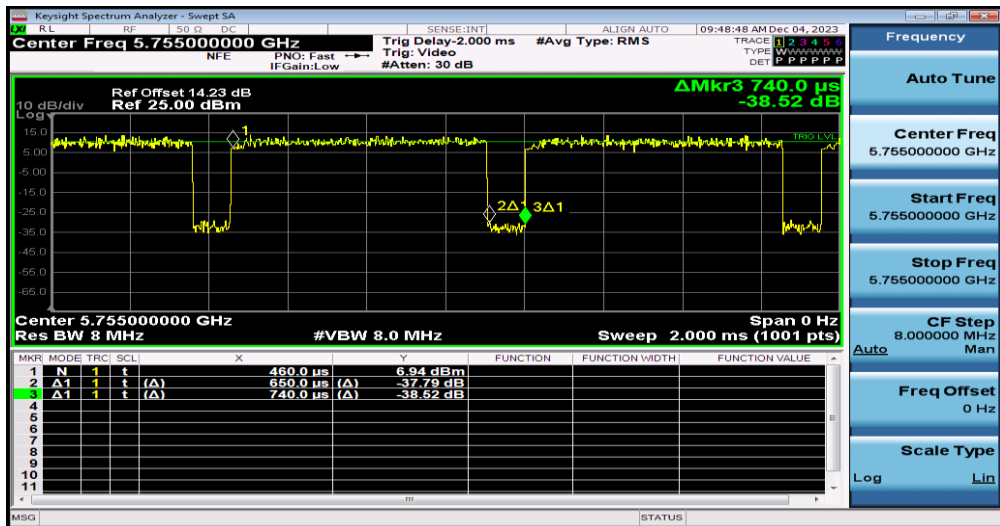
NTNV-11N40MIMO-Ant1-5190



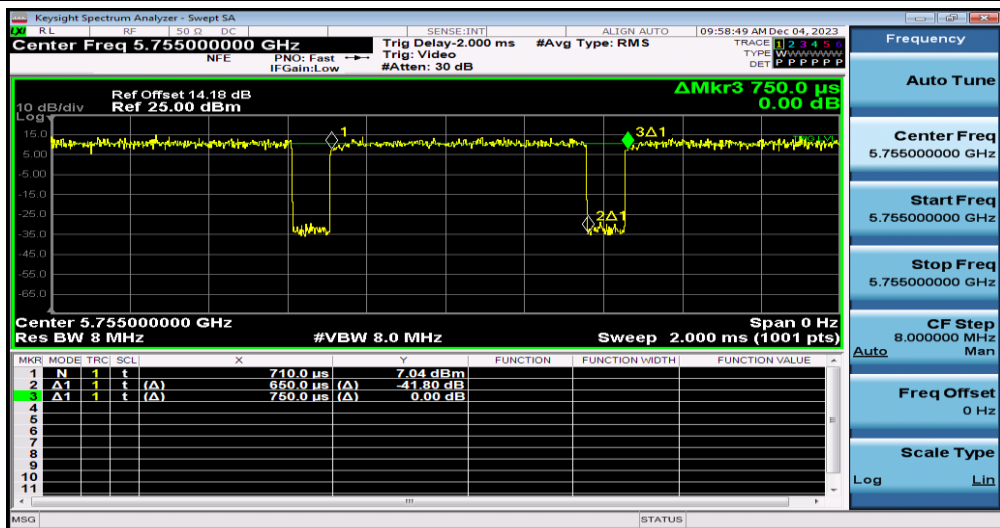
NTNV-11N40MIMO-Ant0-5230



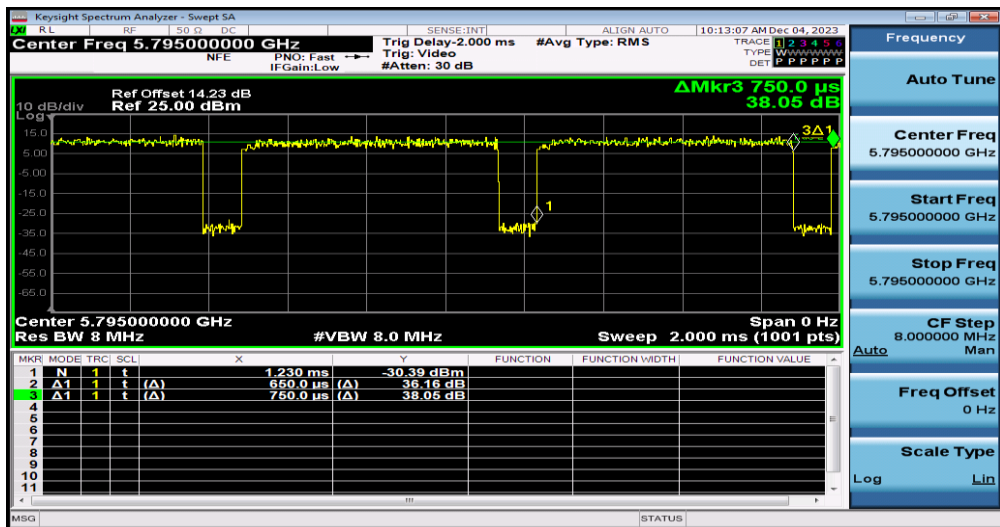
NTNV-11N40MIMO-Ant1-5230



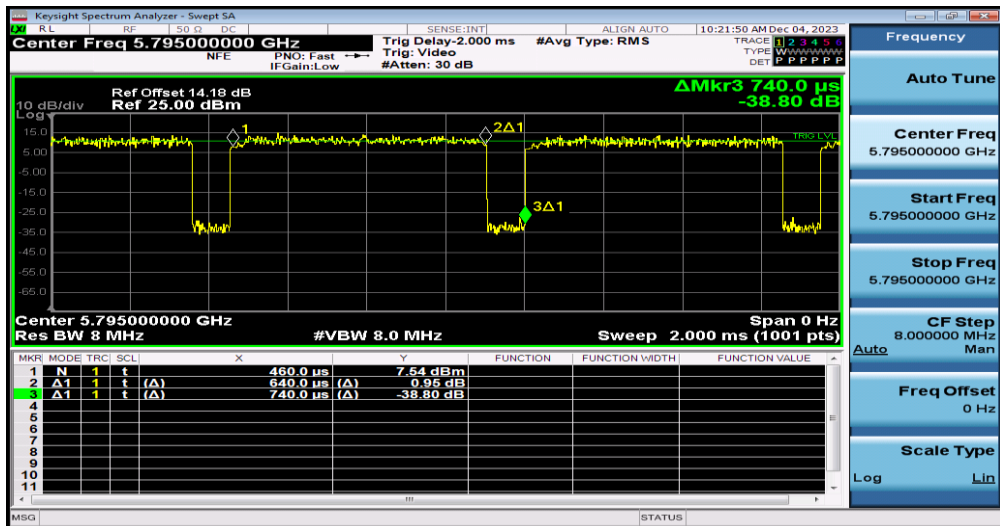
NTNV-11N40MIMO-Ant0-5755



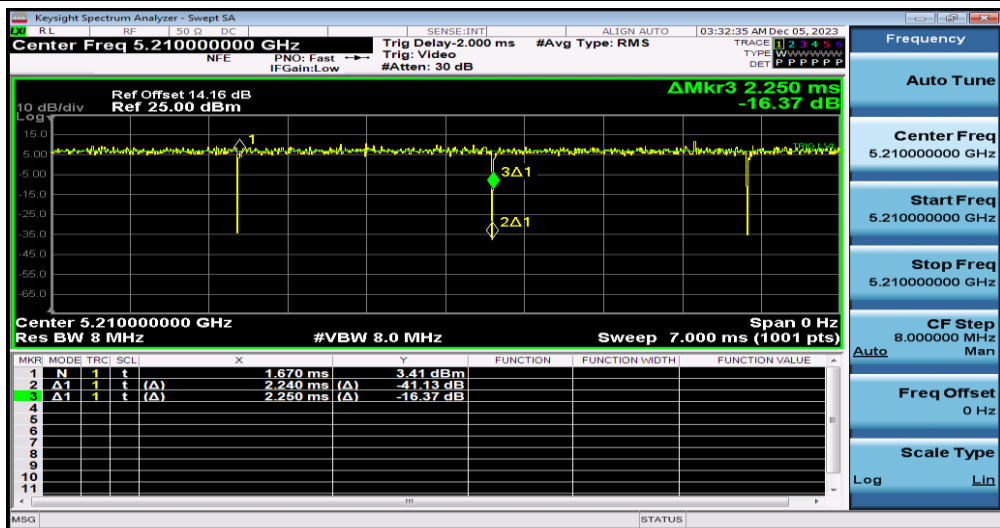
NTNV-11N40MIMO-Ant1-5755



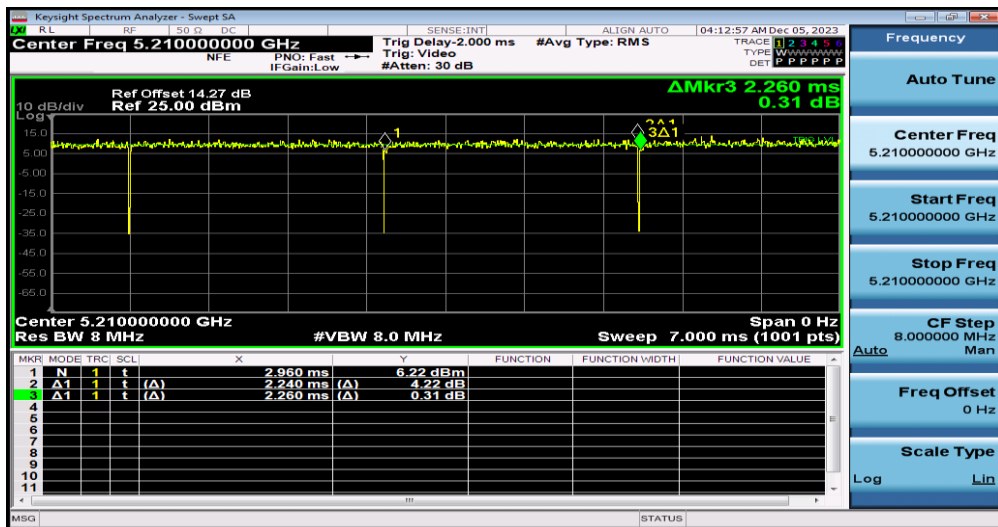
NTNV-11N40MIMO-Ant0-5795



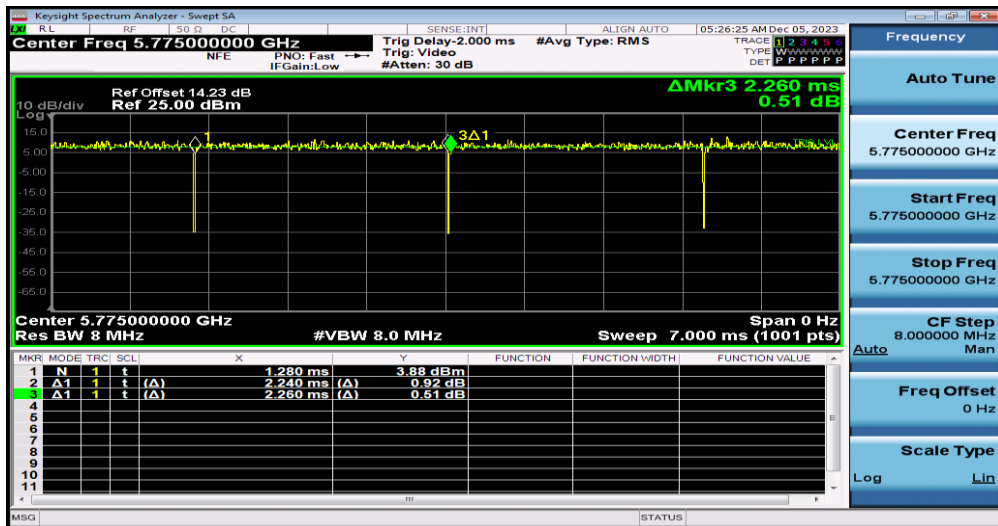
NTNV-11N40MIMO-Ant1-5795



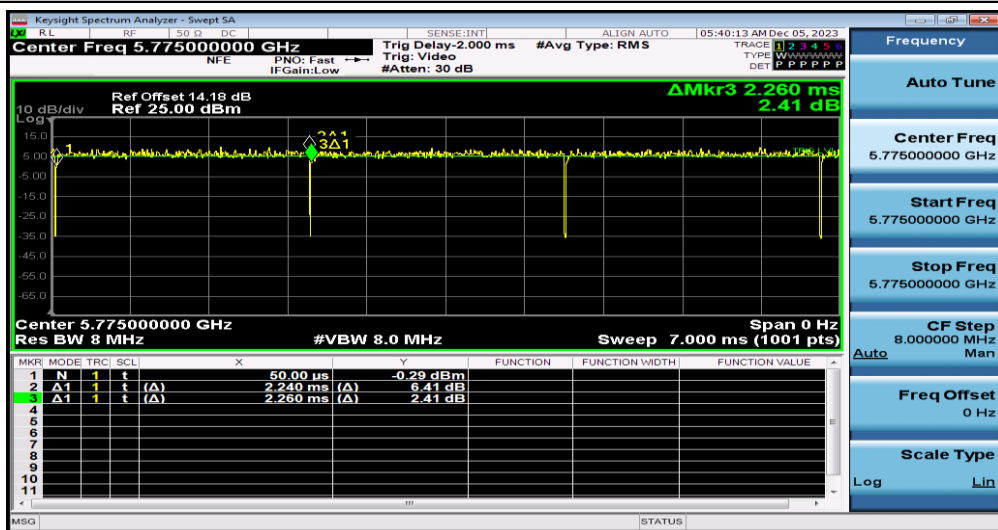
NTNV-11AC80MIMO-Ant0-5210



NTNV-11AC80MIMO-Ant1-5210



NTNV-11AC80MIMO-Ant0-5775



NTNV-11AC80MIMO-Ant1-5775

Appendix D: Maximum conducted output power

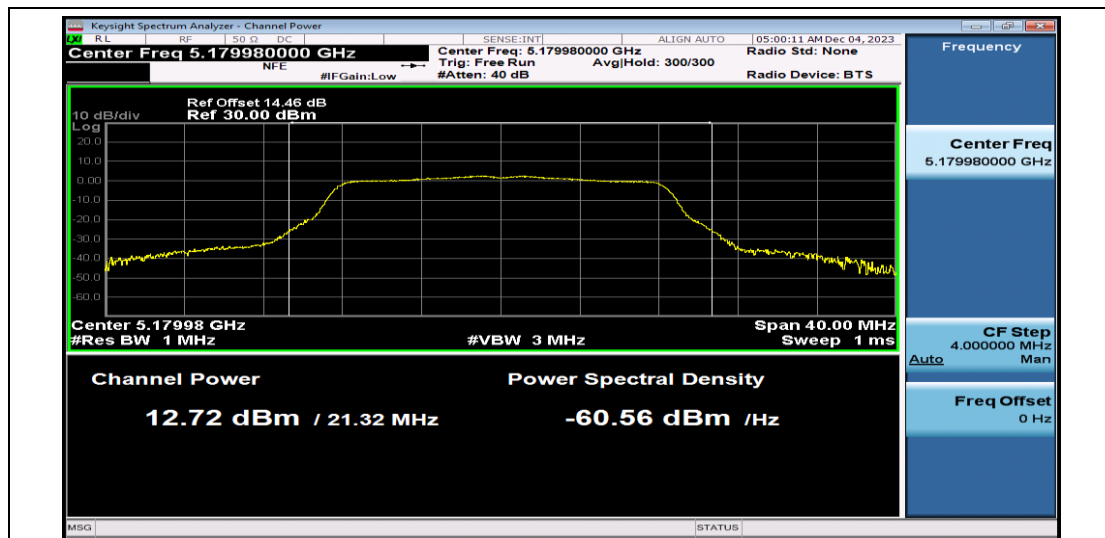
Test Result Channel Power

Test Mode	Ant	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	Verdict
11A	Ant0	5180	12.42	93.29	0.30	12.72	≤23.98	4.66	17.38	PASS
11A	Ant1	5180	13.44	93.29	0.30	13.74	≤23.98	4.69	18.43	PASS
11A	Ant0	5200	11.95	92.67	0.33	12.28	≤23.98	4.66	16.94	PASS
11A	Ant1	5200	12.66	93.33	0.30	12.96	≤23.98	4.69	17.65	PASS
11A	Ant0	5240	11.75	93.29	0.30	12.05	≤23.98	4.66	16.71	PASS
11A	Ant1	5240	12.54	92.67	0.33	12.87	≤23.98	4.69	17.56	PASS
11A	Ant0	5745	10.41	93.33	0.30	10.71	≤30.00	4.66	15.37	PASS
11A	Ant1	5745	11.47	93.29	0.30	11.77	≤30.00	4.69	16.46	PASS
11A	Ant0	5785	11.26	93.96	0.27	11.53	≤30.00	4.66	16.19	PASS
11A	Ant1	5785	11.41	93.33	0.30	11.71	≤30.00	4.69	16.40	PASS
11A	Ant0	5825	10.86	93.96	0.27	11.13	≤30.00	4.66	15.79	PASS
11A	Ant1	5825	10.95	93.33	0.30	11.25	≤30.00	4.69	15.94	PASS
11N20MIMO	Ant0	5180	12.46	92.20	0.35	12.81	≤23.98	4.66	17.47	PASS
11N20MIMO	Ant1	5180	13.47	92.91	0.32	13.79	≤23.98	4.69	18.48	PASS
11N20MIMO	total	5180	---	---	---	16.34	≤23.98	4.68	21.02	PASS
11N20MIMO	Ant0	5200	11.88	92.86	0.32	12.20	≤23.98	4.66	16.86	PASS
11N20MIMO	Ant1	5200	12.46	92.91	0.32	12.78	≤23.98	4.69	17.47	PASS
11N20MIMO	total	5200	---	---	---	15.51	≤23.98	4.68	20.19	PASS
11N20MIMO	Ant0	5240	11.65	92.91	0.32	11.97	≤23.98	4.66	16.63	PASS
11N20MIMO	Ant1	5240	12.54	92.91	0.32	12.86	≤23.98	4.69	17.55	PASS
11N20MIMO	total	5240	---	---	---	15.45	≤23.98	4.68	20.13	PASS
11N20MIMO	Ant0	5745	10.45	92.86	0.32	10.77	≤30.00	4.66	15.43	PASS
11N20MIMO	Ant1	5745	11.66	92.91	0.32	11.98	≤30.00	4.69	16.67	PASS
11N20MIMO	total	5745	---	---	---	14.43	≤30.00	4.68	19.11	PASS
11N20MIMO	Ant0	5785	11.17	92.86	0.32	11.49	≤30.00	4.66	16.15	PASS
11N20MIMO	Ant1	5785	11.28	92.91	0.32	11.60	≤30.00	4.69	16.29	PASS
11N20MIMO	total	5785	---	---	---	14.56	≤30.00	4.68	19.24	PASS
11N20MIMO	Ant0	5825	10.70	92.91	0.32	11.02	≤30.00	4.66	15.68	PASS
11N20MIMO	Ant1	5825	10.85	93.57	0.29	11.14	≤30.00	4.69	15.83	PASS
11N20MIMO	total	5825	---	---	---	14.09	≤30.00	4.68	18.77	PASS
11N40MIMO	Ant0	5190	11.44	87.84	0.56	12.00	≤23.98	4.66	16.66	PASS
11N40MIMO	Ant1	5190	12.54	86.67	0.62	13.16	≤23.98	4.69	17.85	PASS
11N40MIMO	total	5190	---	---	---	15.63	≤23.98	4.68	20.31	PASS
11N40MIMO	Ant0	5230	11.14	86.67	0.62	11.76	≤23.98	4.66	16.42	PASS
11N40MIMO	Ant1	5230	12.28	86.67	0.62	12.90	≤23.98	4.69	17.59	PASS

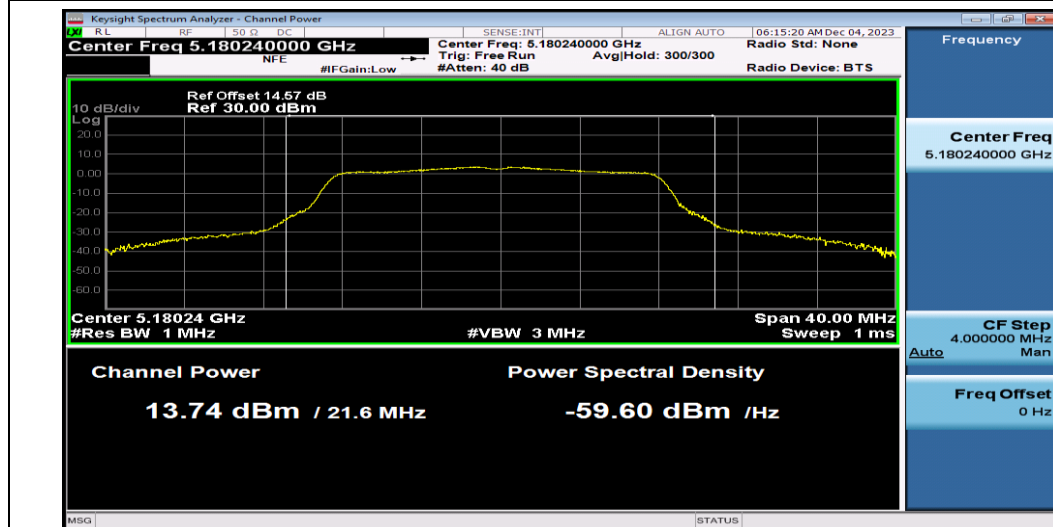
11N40MIMO	total	5230	---	---	---	15.38	≤23.98	4.68	20.06	PASS
11N40MIMO	Ant0	5755	10.85	87.84	0.56	11.41	≤30.00	4.66	16.07	PASS
11N40MIMO	Ant1	5755	11.19	86.67	0.62	11.81	≤30.00	4.69	16.50	PASS
11N40MIMO	total	5755	---	---	---	14.62	≤30.00	4.68	19.30	PASS
11N40MIMO	Ant0	5795	10.91	86.67	0.62	11.53	≤30.00	4.66	16.19	PASS
11N40MIMO	Ant1	5795	10.82	86.49	0.63	11.45	≤30.00	4.69	16.14	PASS
11N40MIMO	total	5795	---	---	---	14.50	≤30.00	4.68	19.18	PASS
11AC80MIMO	Ant0	5210	12.05	99.56	0.02	12.07	≤23.98	4.66	16.73	PASS
11AC80MIMO	Ant1	5210	12.87	99.12	0.04	12.91	≤23.98	4.69	17.60	PASS
11AC80MIMO	total	5210	---	---	---	15.52	≤23.98	4.68	20.20	PASS
11AC80MIMO	Ant0	5775	11.73	99.12	0.04	11.77	≤30.00	4.66	16.43	PASS
11AC80MIMO	Ant1	5775	11.84	99.12	0.04	11.88	≤30.00	4.69	16.57	PASS
11AC80MIMO	total	5775	---	---	---	14.84	≤30.00	4.68	19.52	PASS

Note: The Duty Cycle Factor is compensated in the graph.

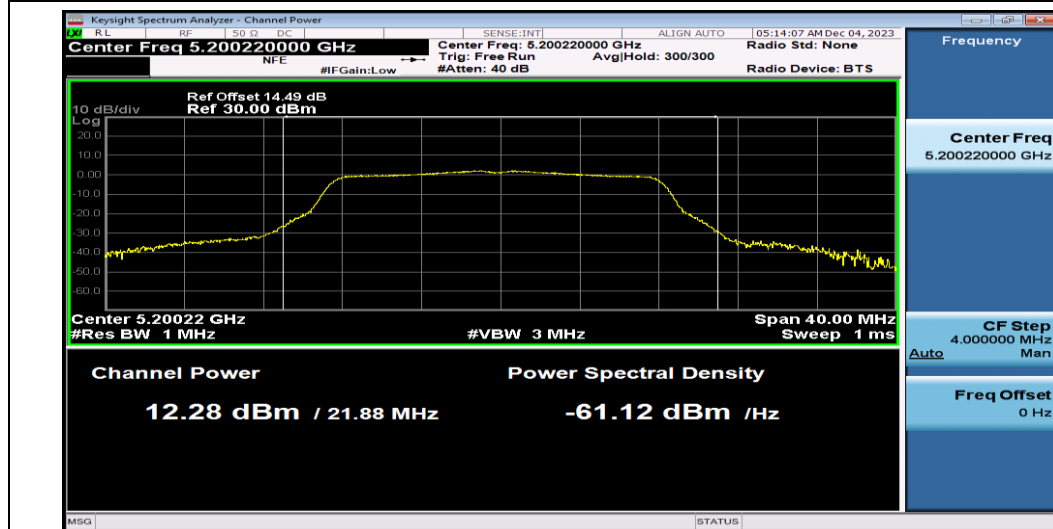
Test Graphs Channel Power



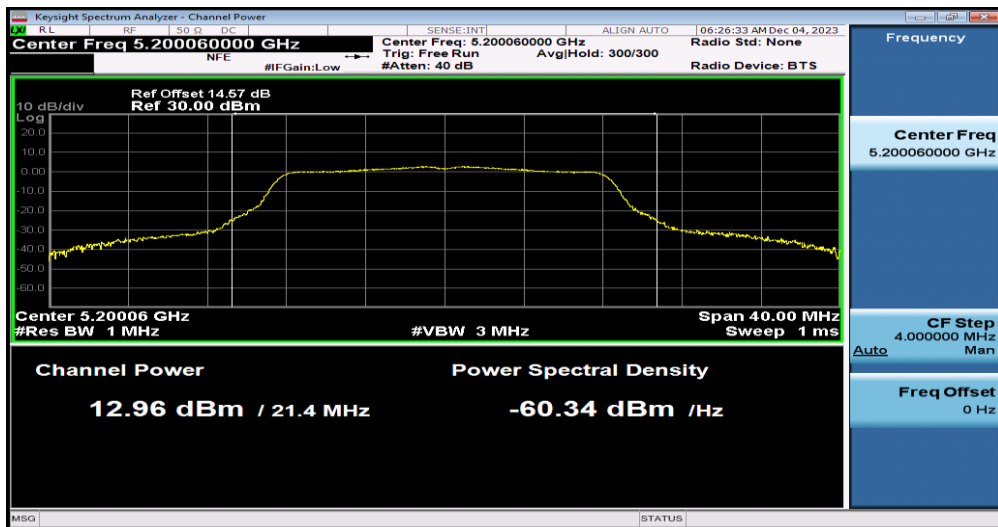
11A-Ant0-5180



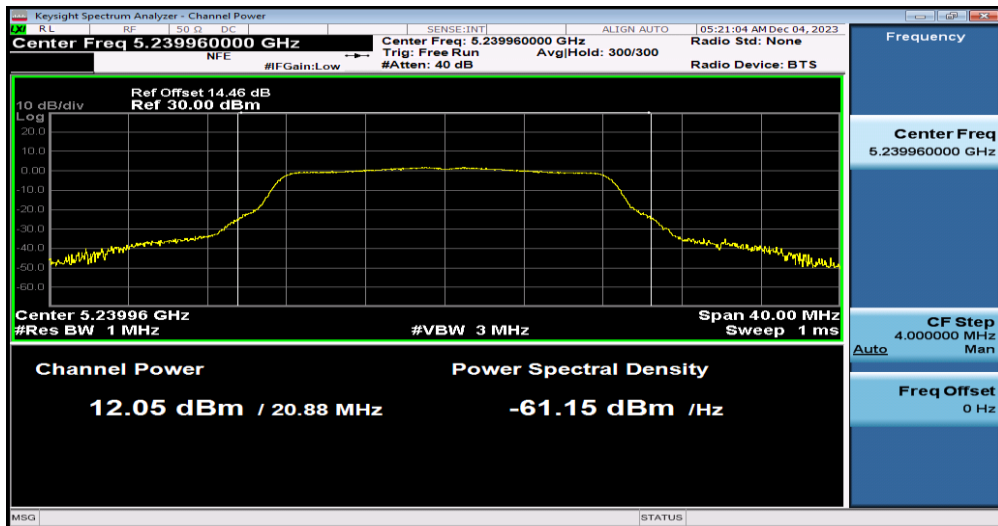
11A-Ant1-5180



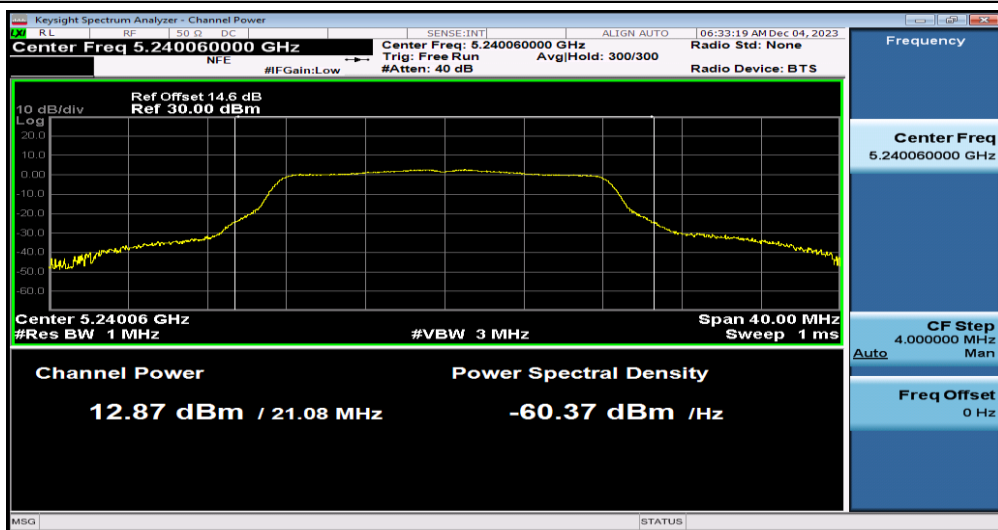
11A-Ant0-5200



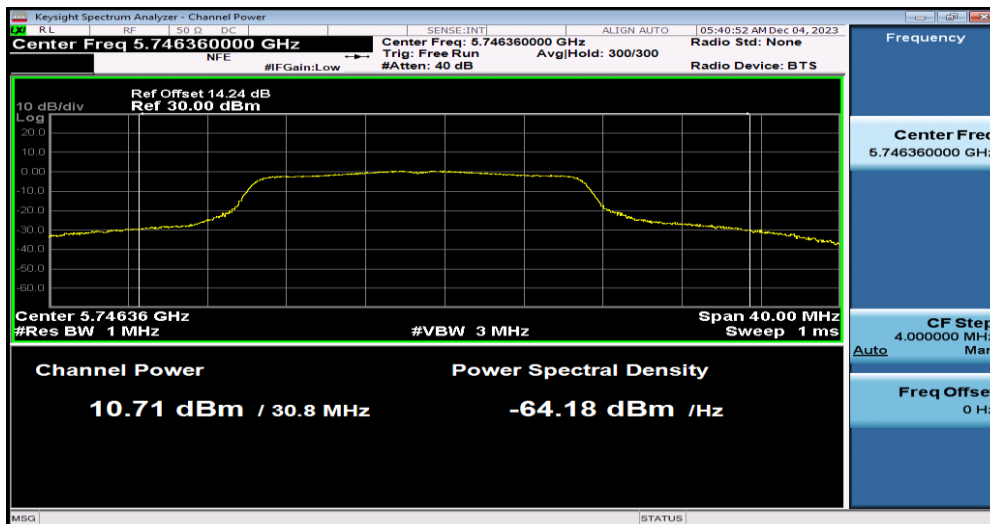
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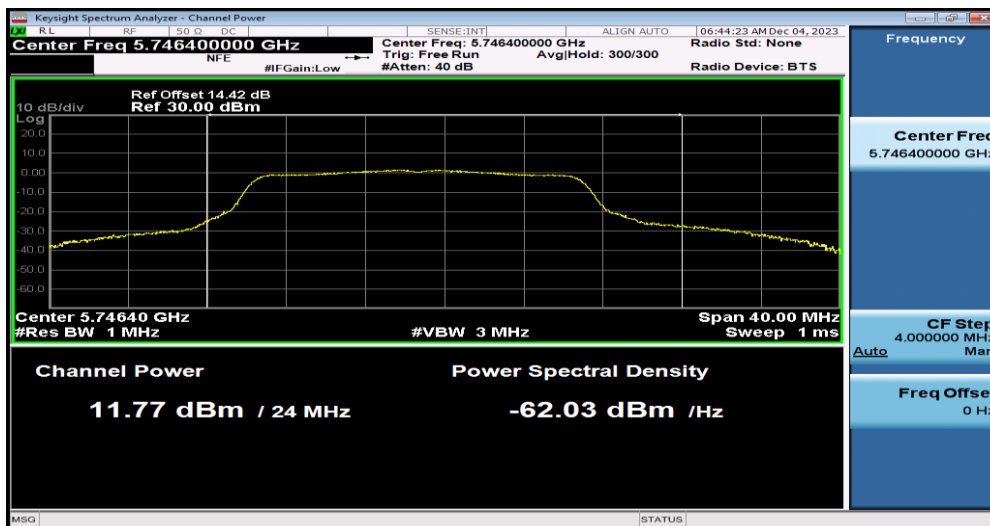
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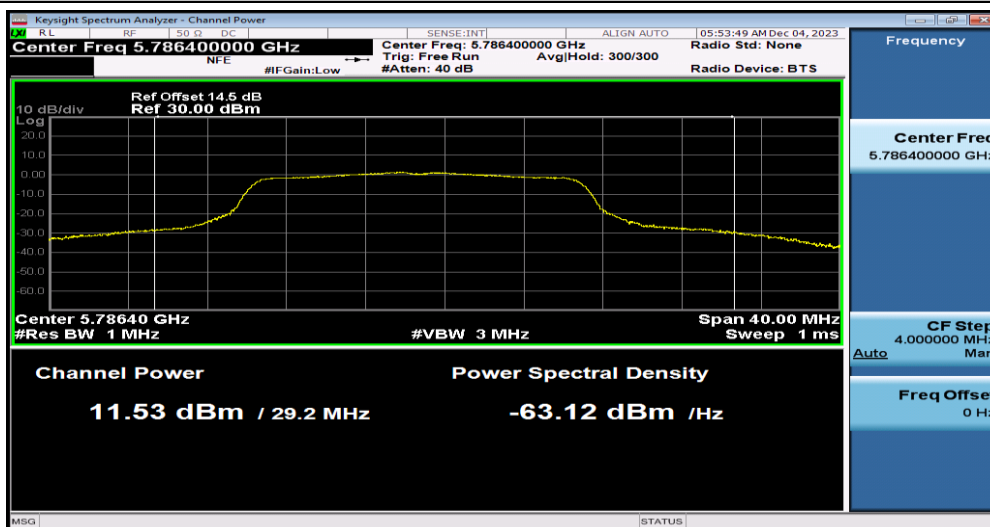
11A-Ant1-5240



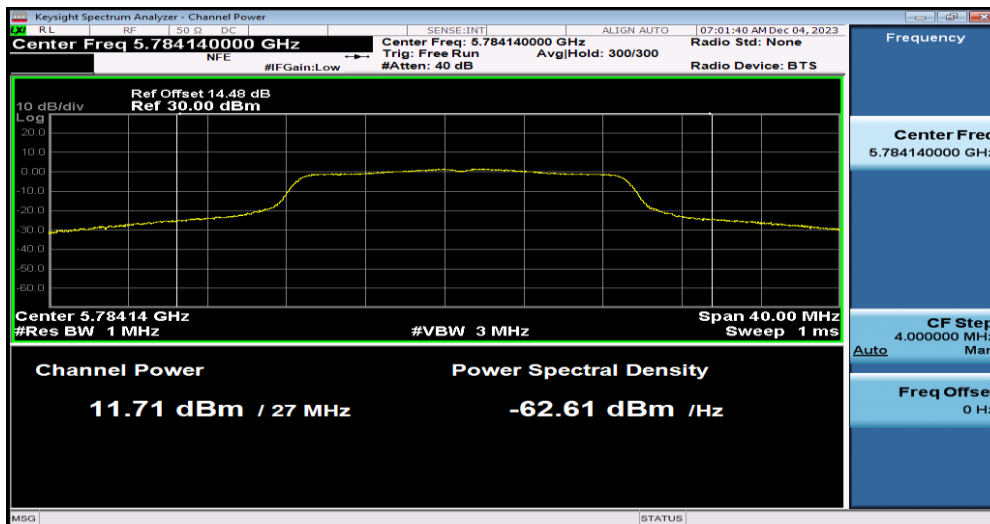
11A-Ant0-5745



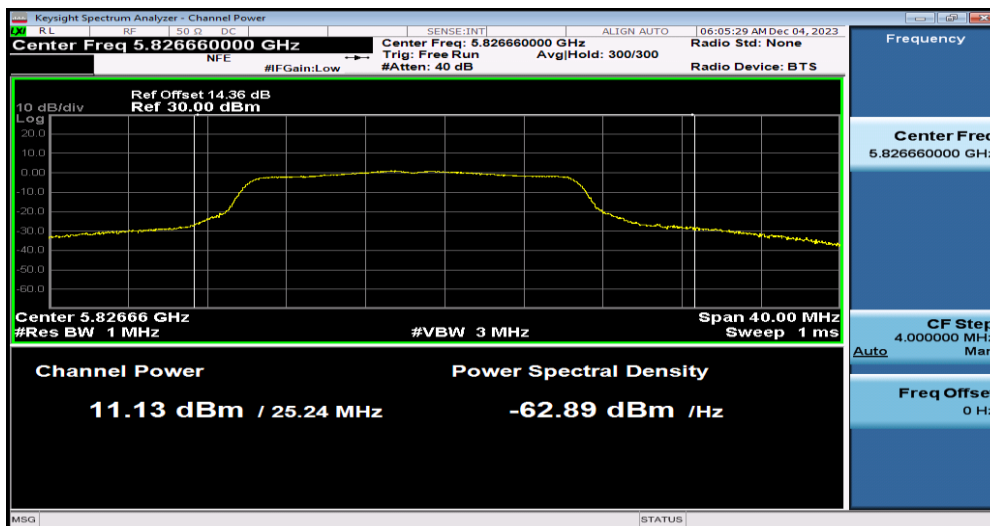
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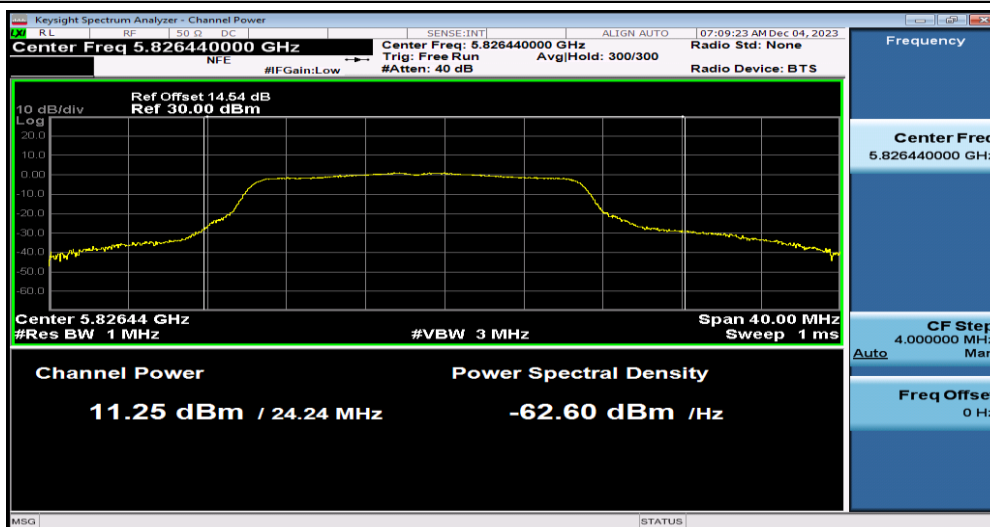
11A-Ant0-5785



11A-Ant1-5785



11A-Ant0-5825



11A-Ant1-5825