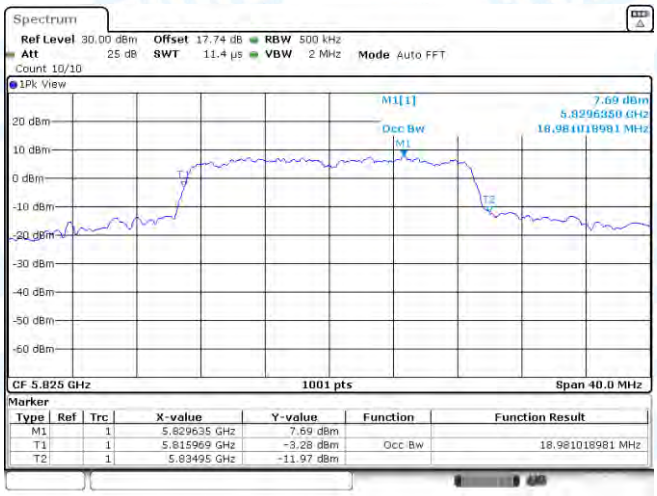
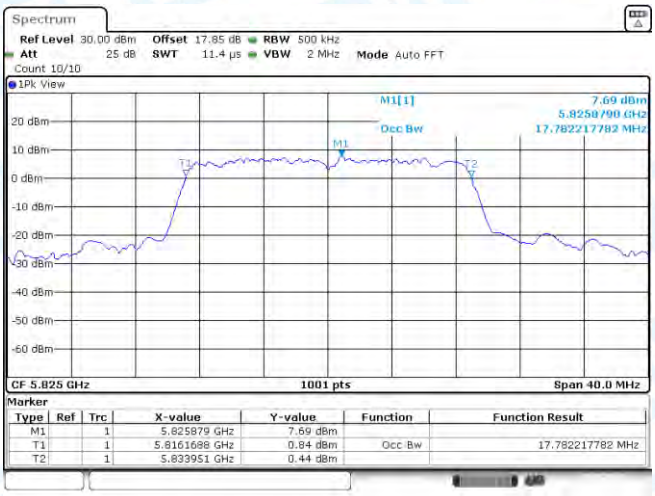
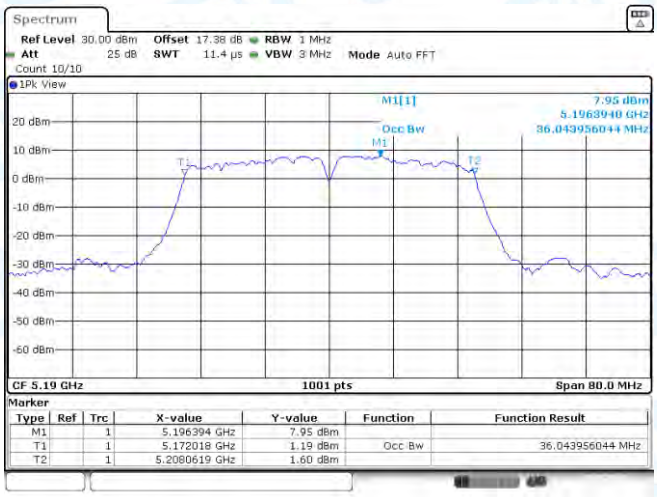


11AC20MIMO-Ant1-5825



11AC20MIMO-Ant2-5825



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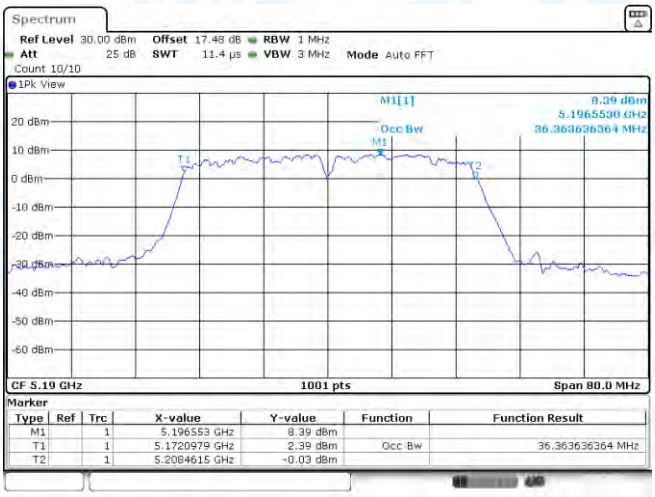

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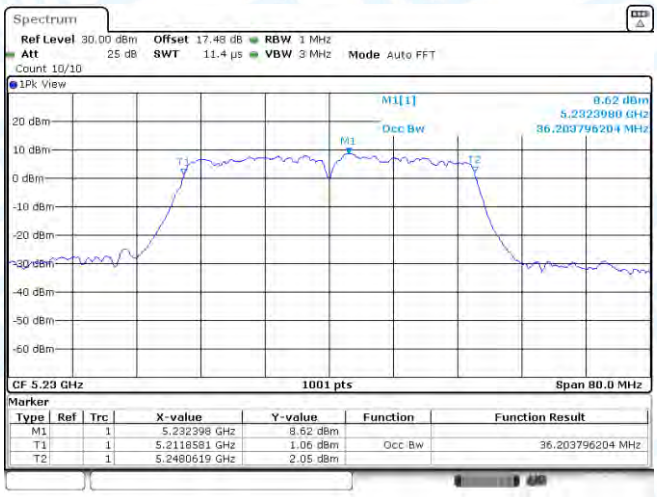

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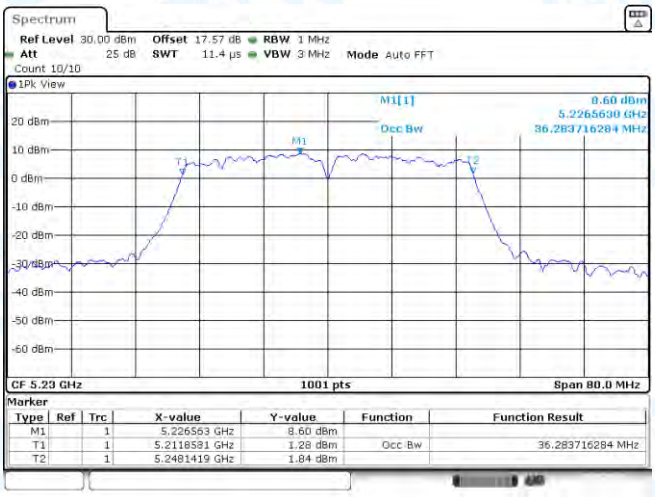

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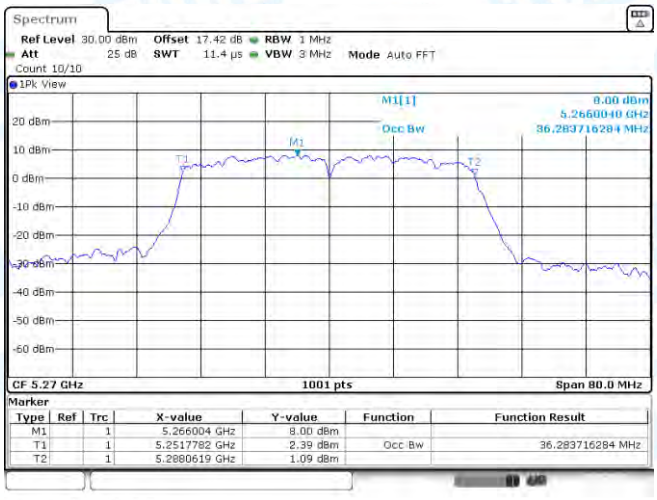

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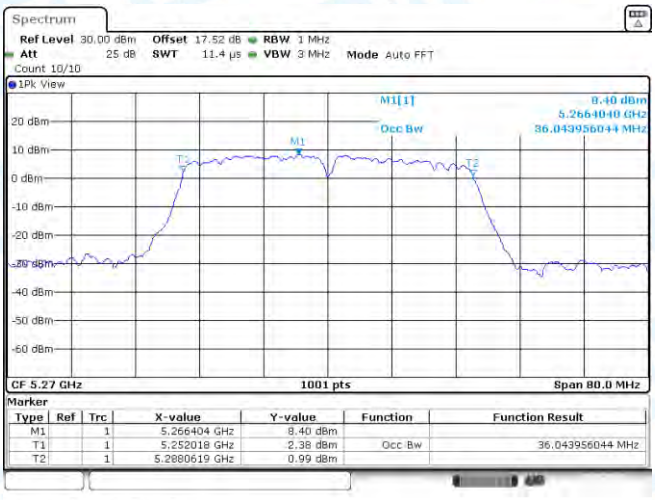

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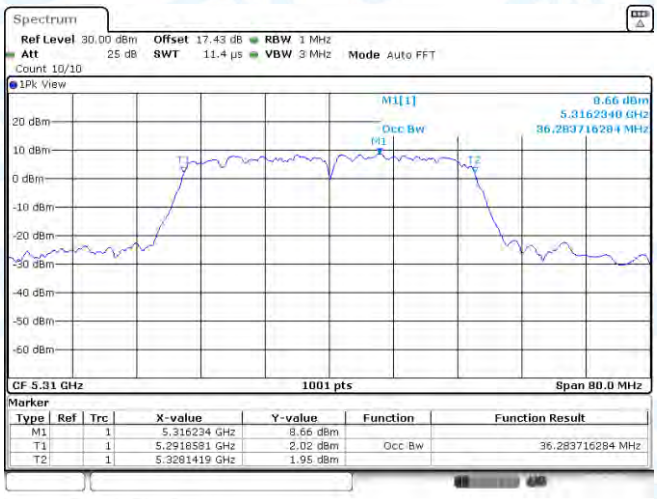
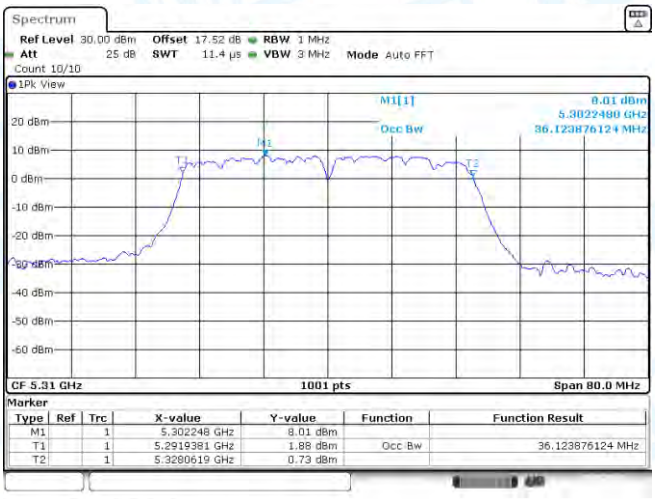
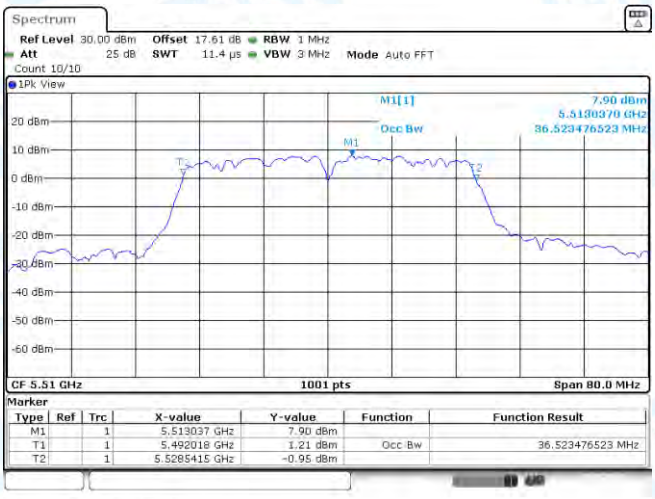


11AC40MIMO-Ant1-5310



11AC40MIMO-Ant2-5310

11AC40MIMO-Ant1-5510



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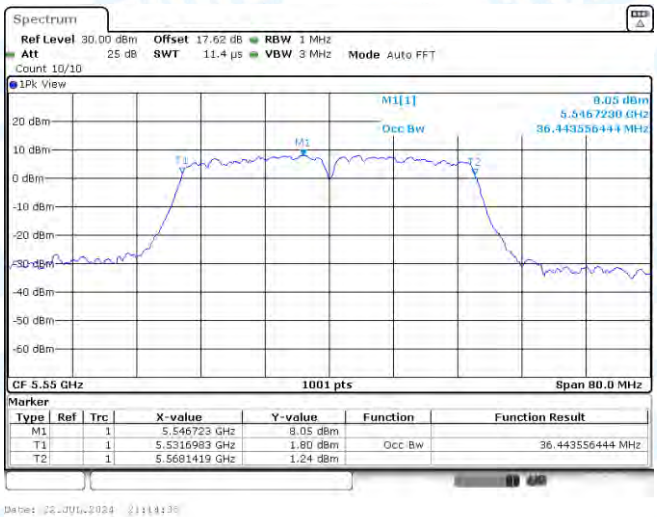

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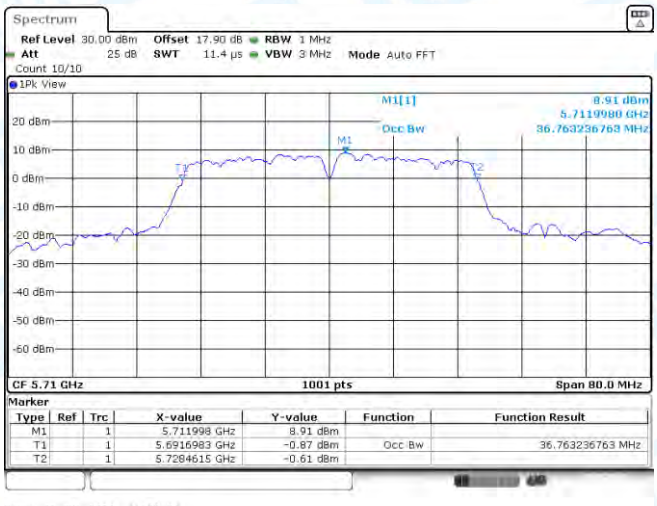
11AC40MIMO-Ant2-5550

11AC40MIMO-Ant1-5670

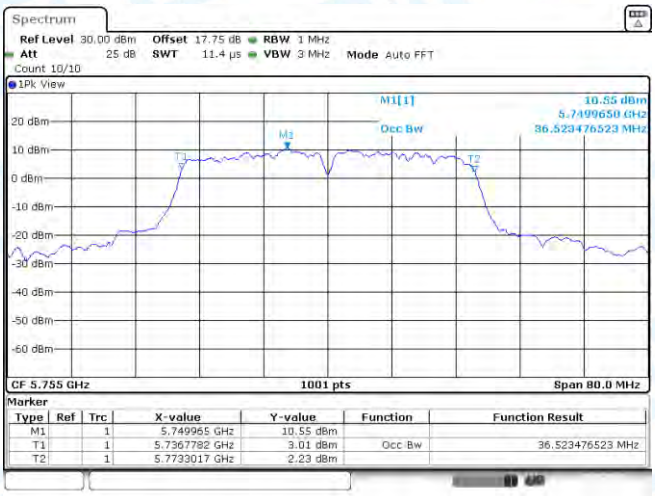
11AC40MIMO-Ant2-5670



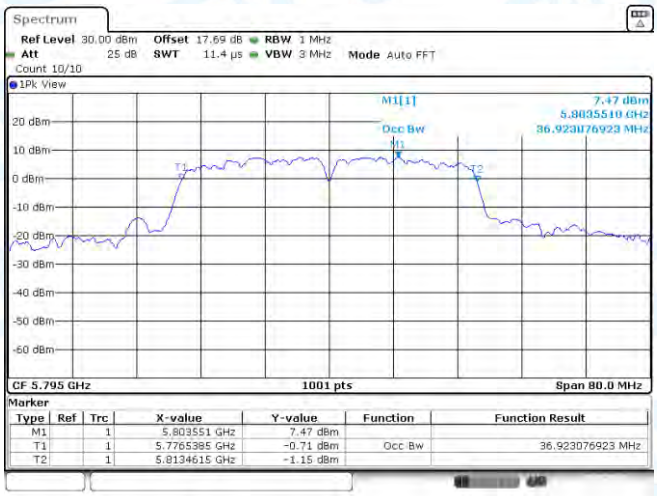
11AC40MIMO-Ant1-5710

11AC40MIMO-Ant2-5710

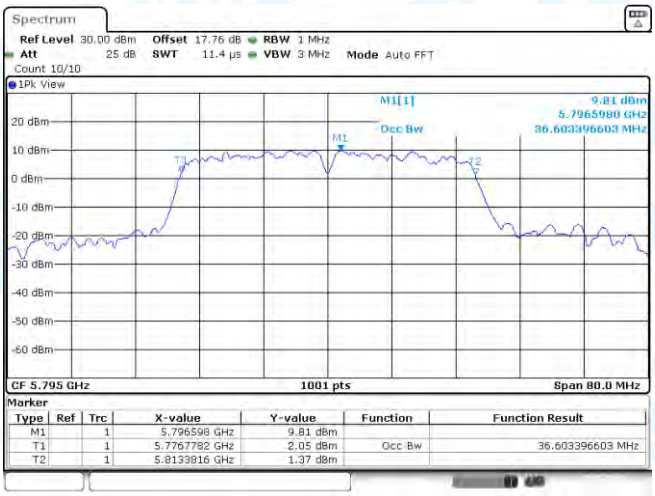
11AC40MIMO-Ant1-5755



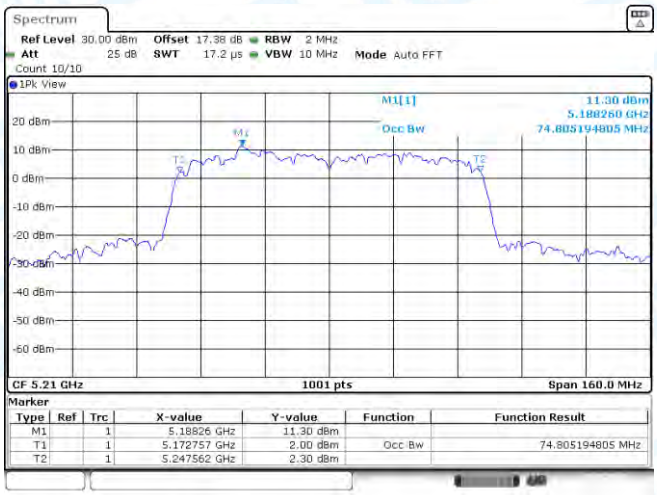
11AC40MIMO-Ant2-5755



11AC40MIMO-Ant1-5795



11AC40MIMO-Ant2-5795



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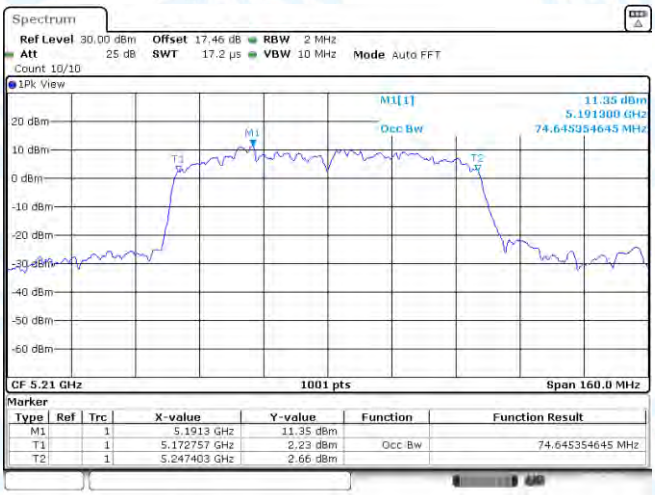
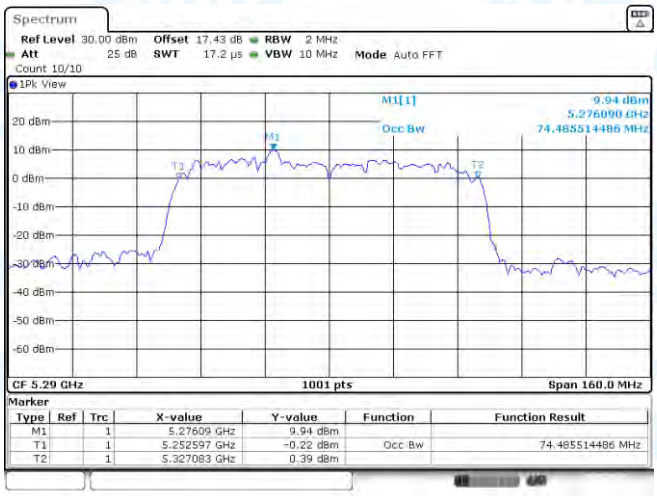


11AC80MIMO-Ant2-5210



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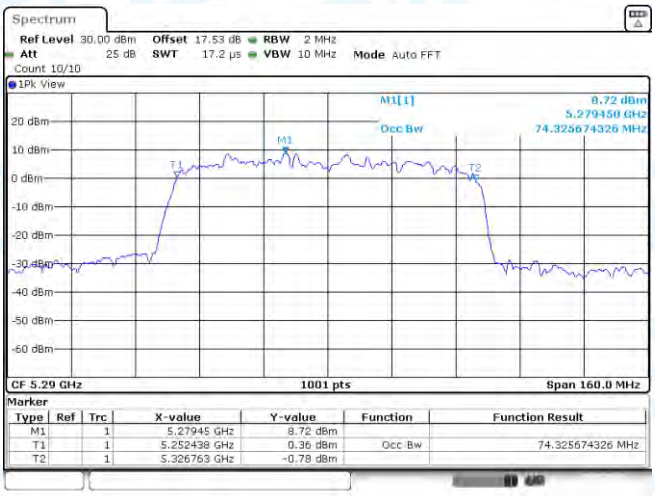

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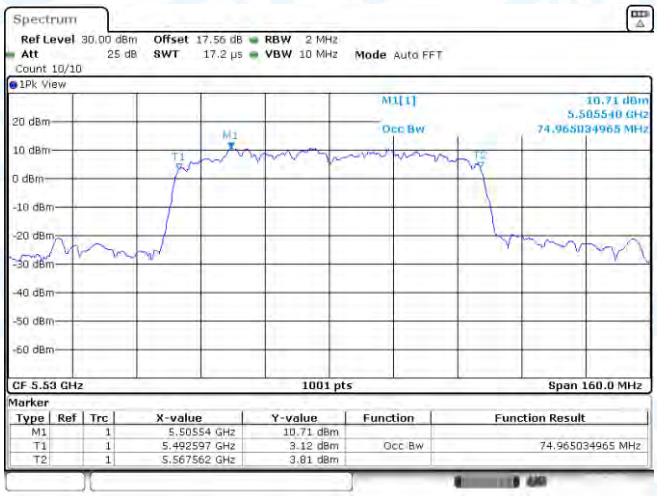

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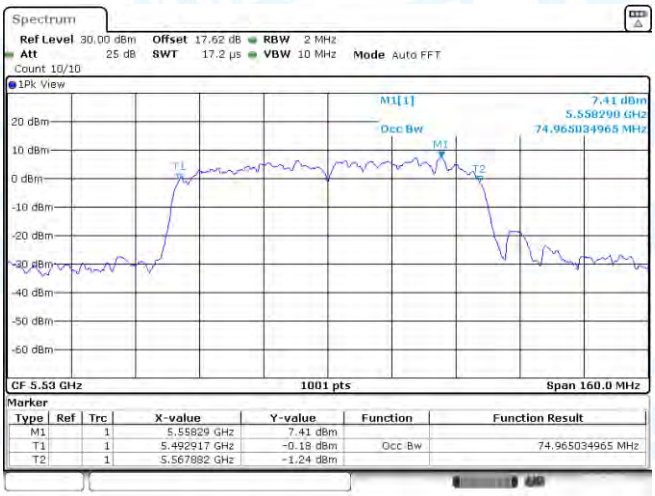

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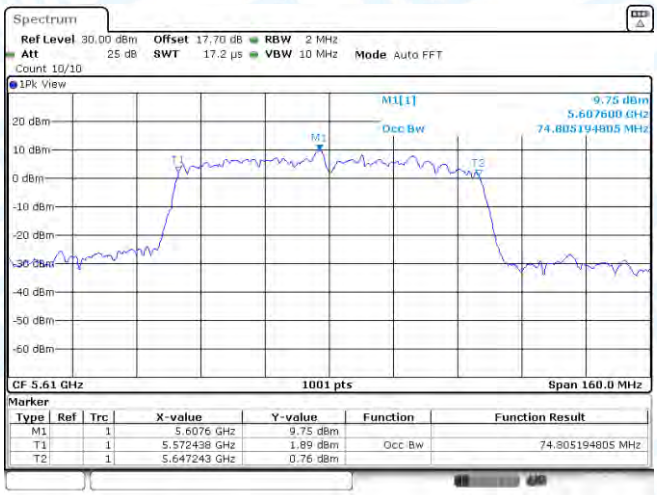

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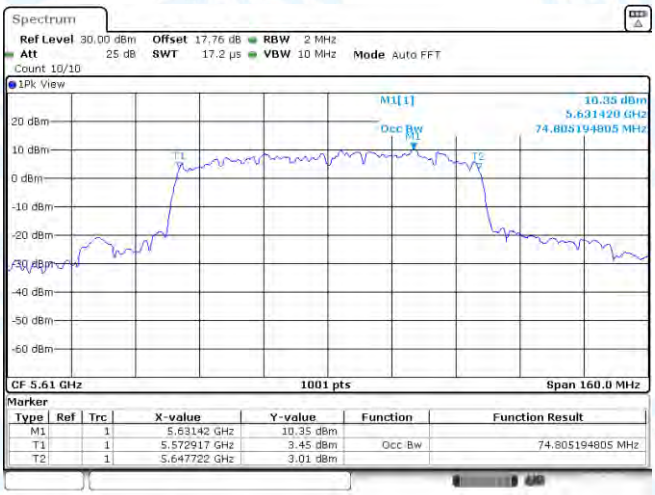

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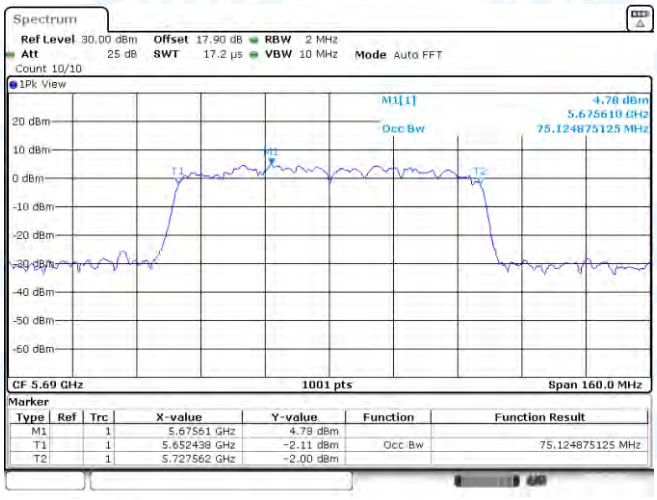
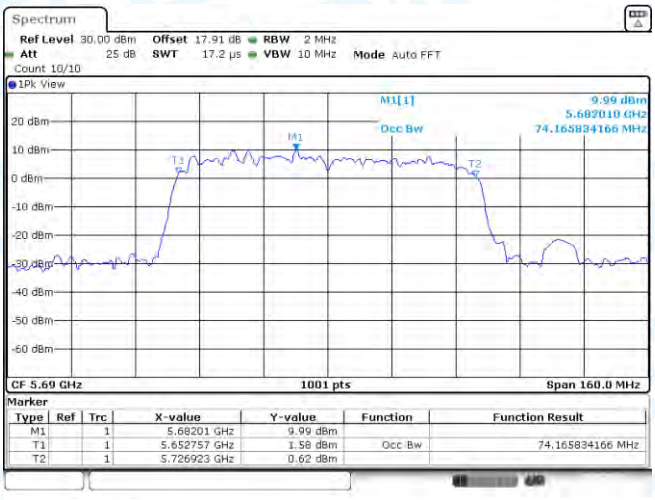
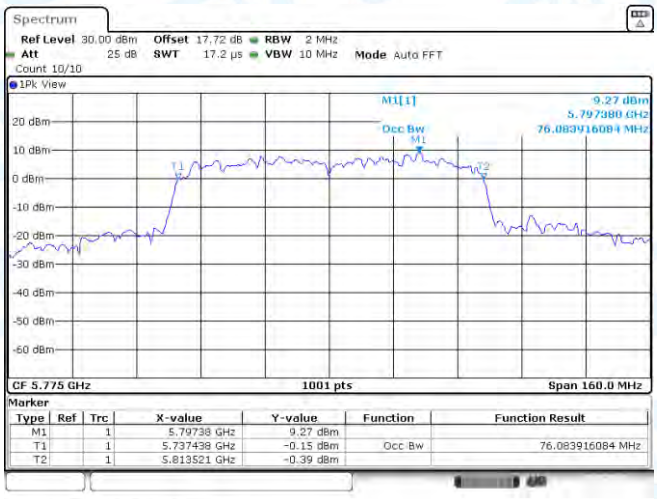


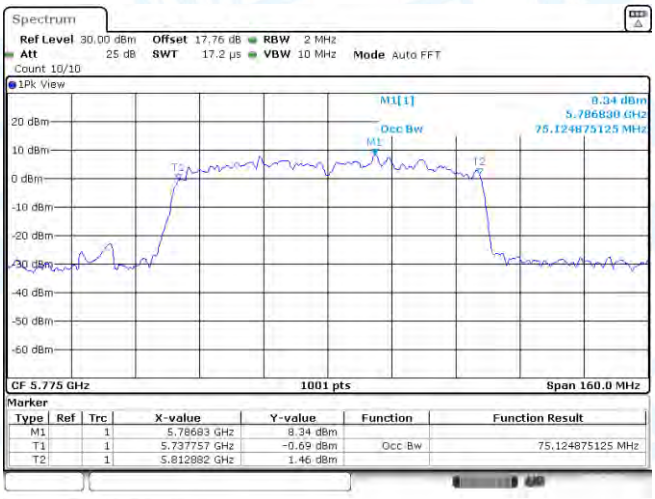
11AC80MIMO-Ant1-5690



11AC80MIMO-Ant2-5690



11AC80MIMO-Ant1-5775



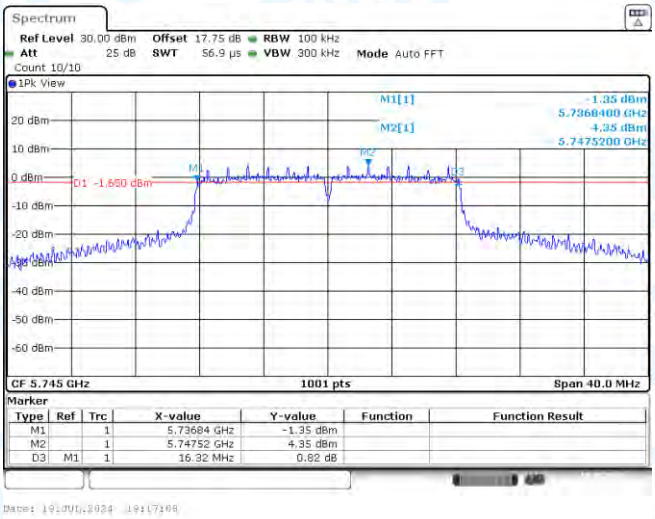
11AC80MIMO-Ant2-5775

3: Min emission bandwidth

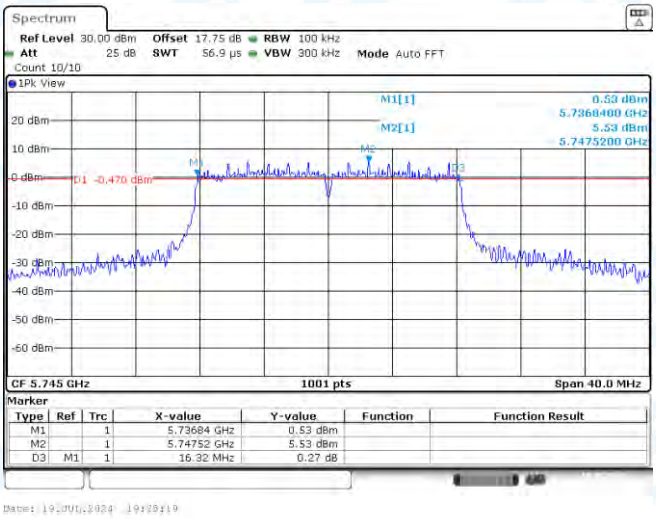
3.1 Test Result-B4

TestMode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
11A	Ant2	5745	16.32	5736.84	5753.16	0.5	PASS
11A	Ant1	5785	16.32	5776.92	5793.24	0.5	PASS
11A	Ant2	5785	16.32	5776.88	5793.20	0.5	PASS
11A	Ant1	5825	16.32	5816.92	5833.24	0.5	PASS
11A	Ant2	5825	16.36	5816.92	5833.28	0.5	PASS
11N20MIMO	Ant1	5745	17.60	5736.24	5753.84	0.5	PASS
11N20MIMO	Ant2	5745	17.60	5736.24	5753.84	0.5	PASS
11N20MIMO	Ant1	5785	17.56	5776.28	5793.84	0.5	PASS
11N20MIMO	Ant2	5785	17.60	5776.24	5793.84	0.5	PASS
11N20MIMO	Ant1	5825	17.32	5816.52	5833.84	0.5	PASS
11N20MIMO	Ant2	5825	17.56	5816.28	5833.84	0.5	PASS
11N40MIMO	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
11N40MIMO	Ant2	5755	35.12	5737.48	5772.60	0.5	PASS
11N40MIMO	Ant1	5795	35.20	5777.48	5812.68	0.5	PASS
11N40MIMO	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
11AC20MIMO	Ant1	5745	17.56	5736.28	5753.84	0.5	PASS
11AC20MIMO	Ant2	5745	17.52	5736.28	5753.80	0.5	PASS
11AC20MIMO	Ant1	5785	17.56	5776.28	5793.84	0.5	PASS
11AC20MIMO	Ant2	5785	17.52	5776.28	5793.80	0.5	PASS
11AC20MIMO	Ant1	5825	17.56	5816.28	5833.84	0.5	PASS
11AC20MIMO	Ant2	5825	17.52	5816.28	5833.80	0.5	PASS
11AC40MIMO	Ant1	5755	36.08	5737.08	5773.16	0.5	PASS
11AC40MIMO	Ant2	5755	35.04	5737.48	5772.52	0.5	PASS
11AC40MIMO	Ant1	5795	35.20	5777.40	5812.60	0.5	PASS
11AC40MIMO	Ant2	5795	35.12	5777.40	5812.52	0.5	PASS
11AC80MIMO	Ant1	5775	70.08	5739.96	5810.04	0.5	PASS
11AC80MIMO	Ant2	5775	66.40	5739.96	5806.36	0.5	PASS

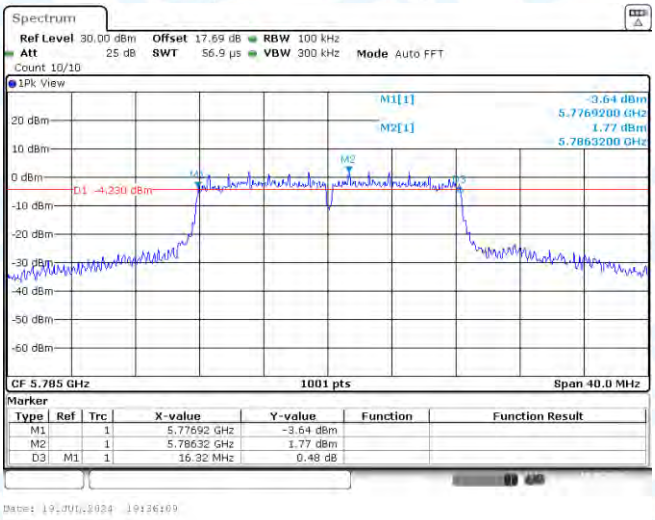
3.2 Test Graphs-B4



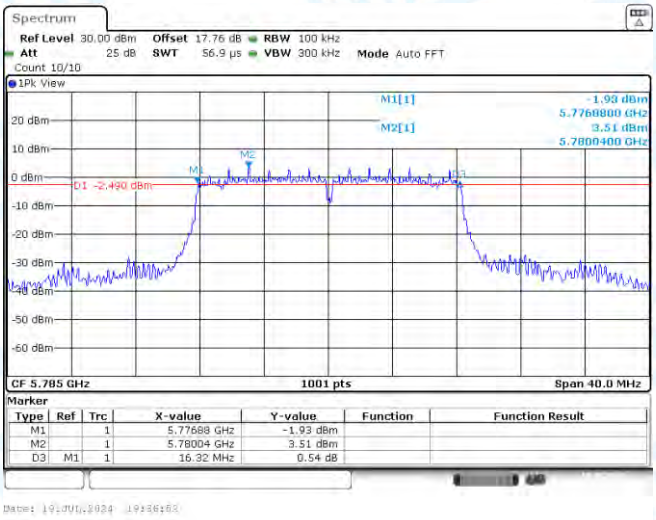
11A-Ant1-5745-PASS



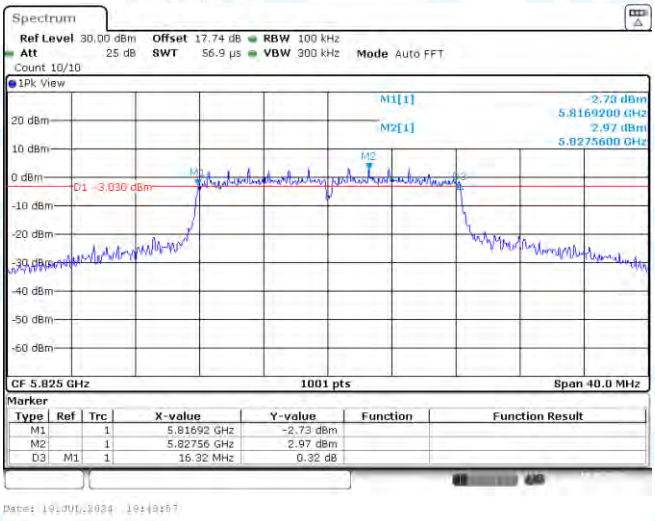
11A-Ant2-5745-PASS



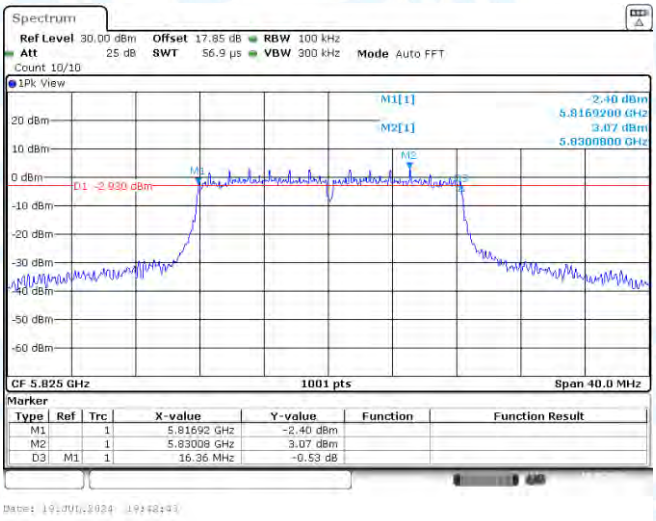
11A-Ant1-5785-PASS



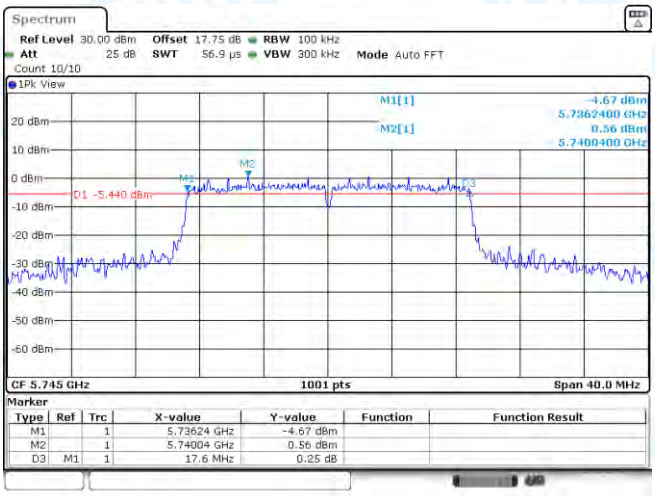
11A-Ant2-5785-PASS



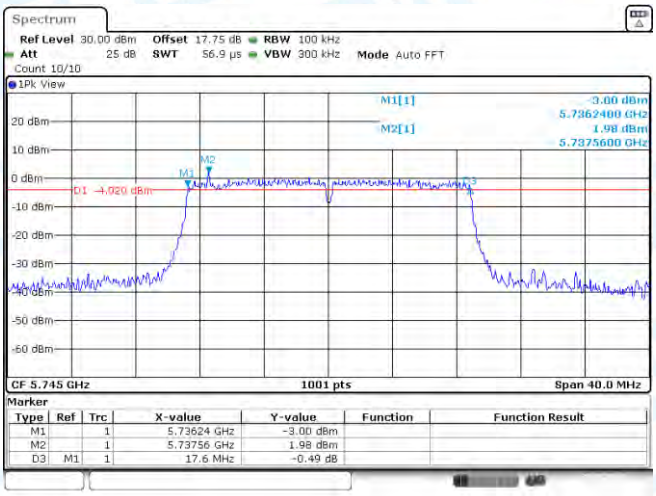
11A-Ant1-5825-PASS



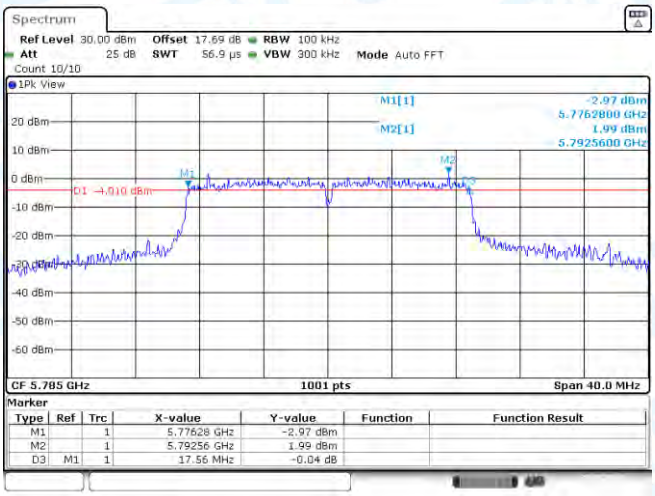
11A-Ant2-5825-PASS



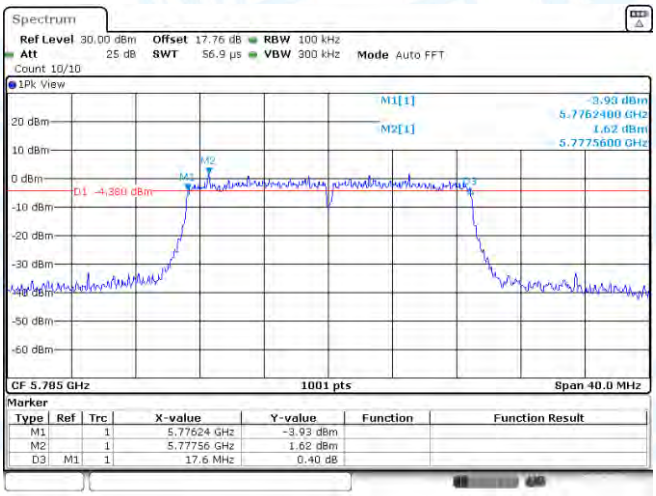
11N20MIMO-Ant1-5745-PASS



11N20MIMO-Ant2-5745-PASS



11N20MIMO-Ant1-5785-PASS



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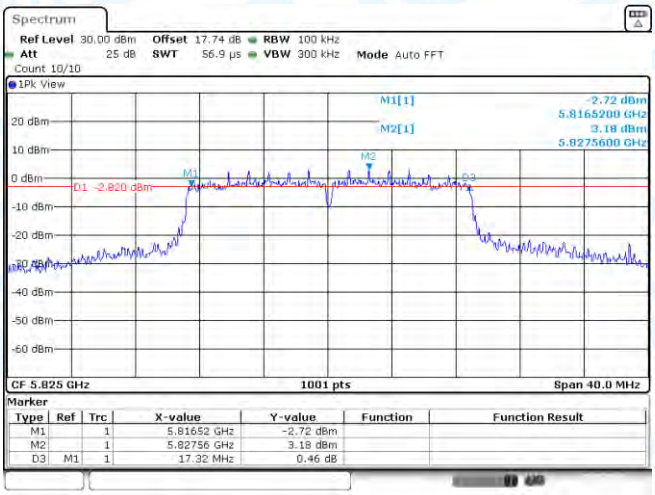
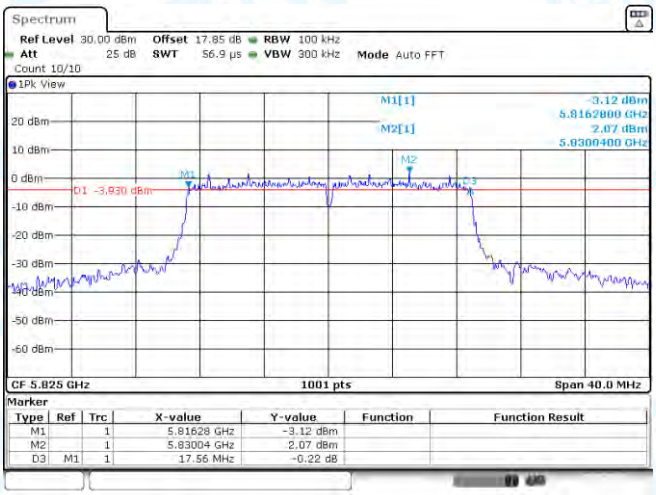
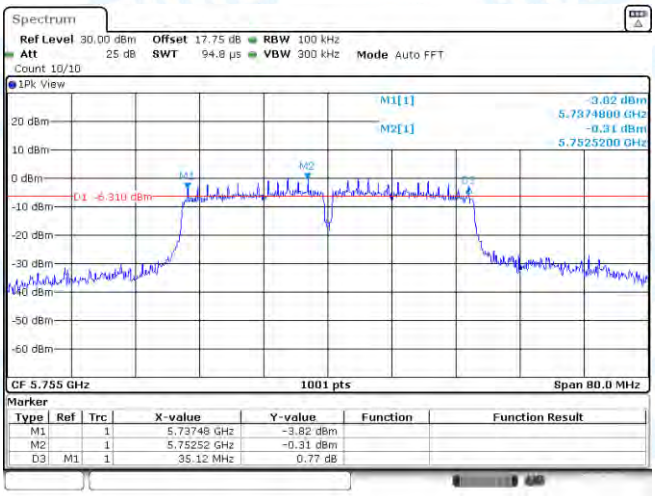


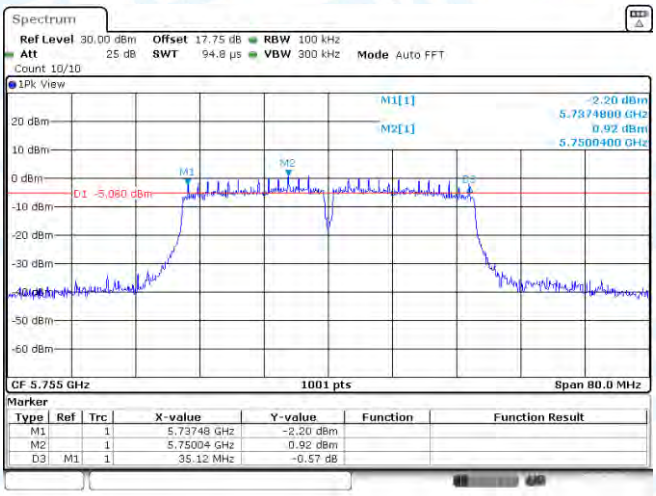
11N20MIMO-Ant1-5825-PASS



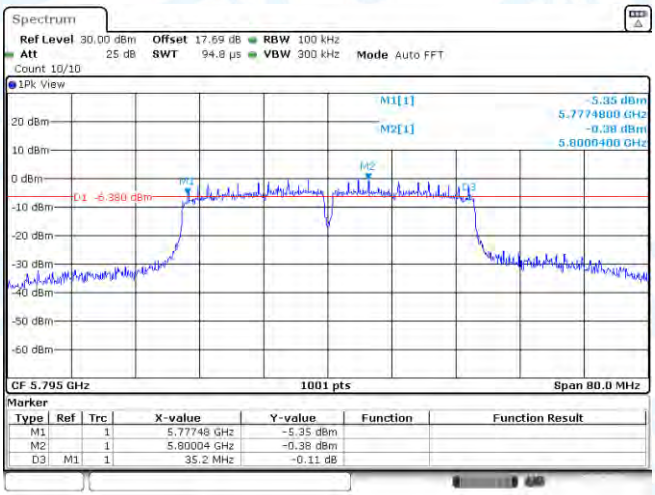
11N20MIMO-Ant2-5825-PASS



11N40MIMO-Ant1-5755-PASS



11N40MIMO-Ant2-5755-PASS



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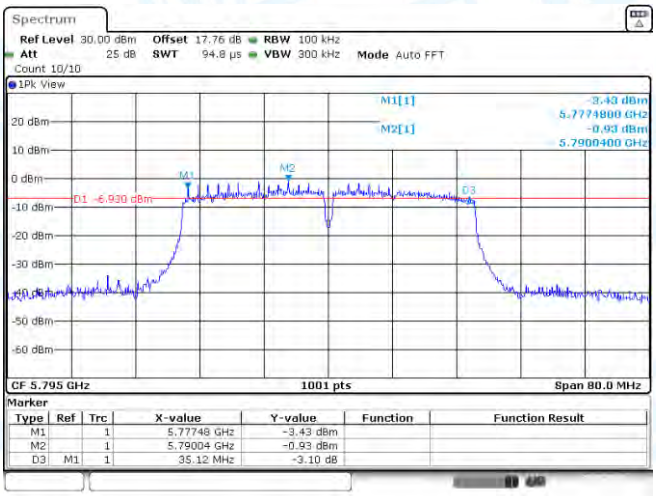
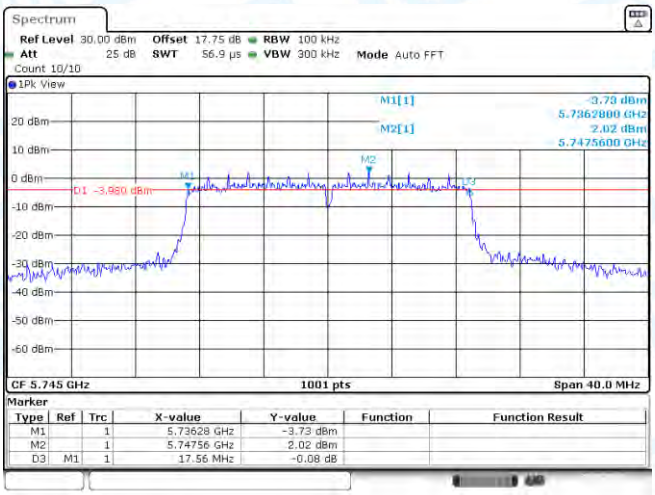


11N40MIMO-Ant2-5795-PASS



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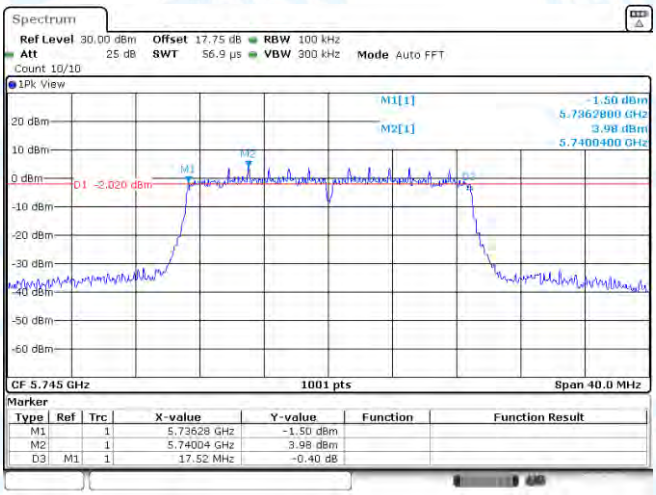
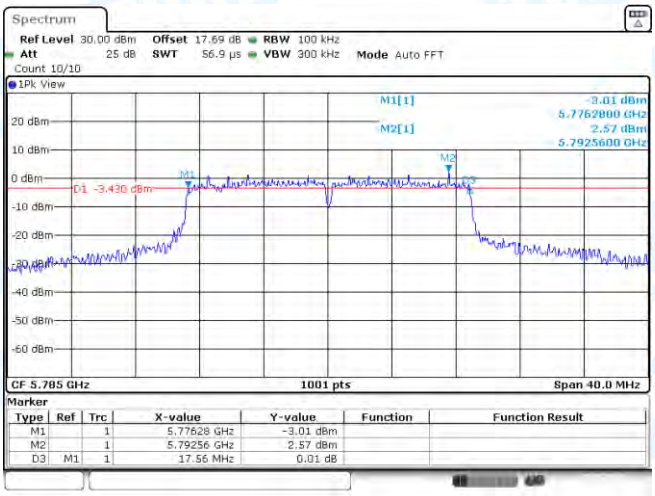
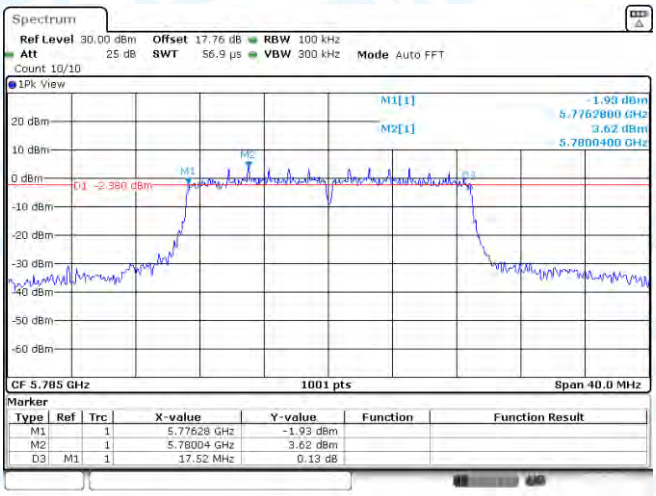


11AC20MIMO-Ant2-5745-PASS



11AC20MIMO-Ant1-5785-PASS



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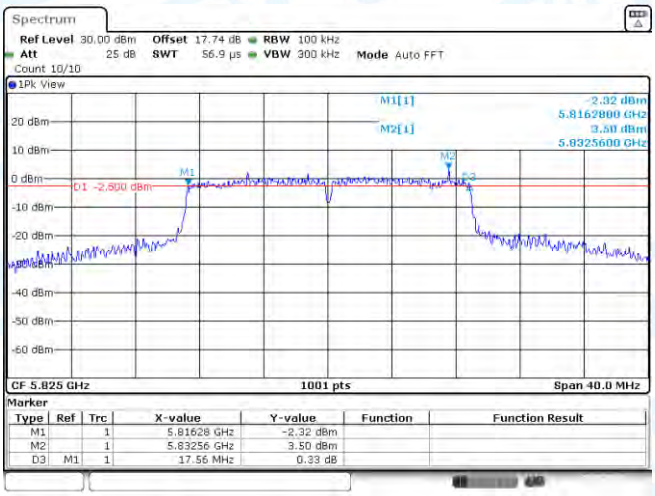
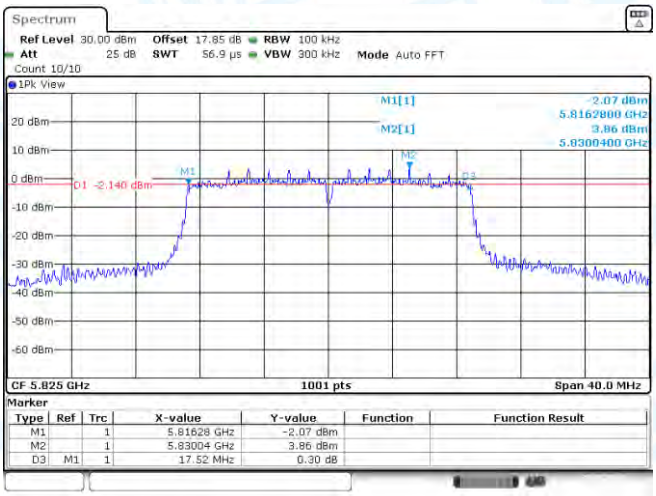


11AC20MIMO-Ant1-5825-PASS



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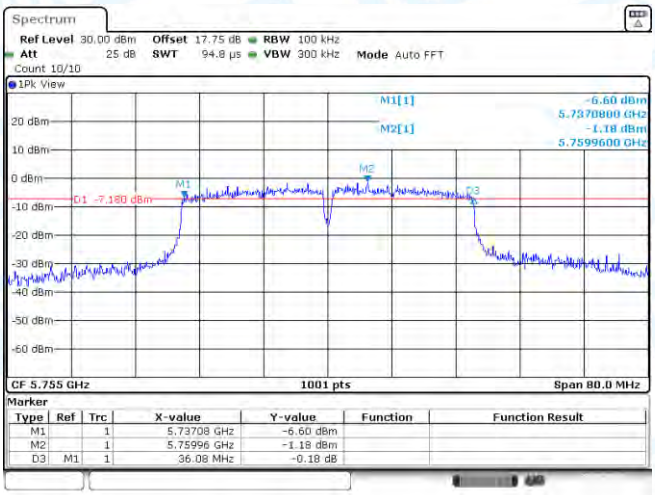
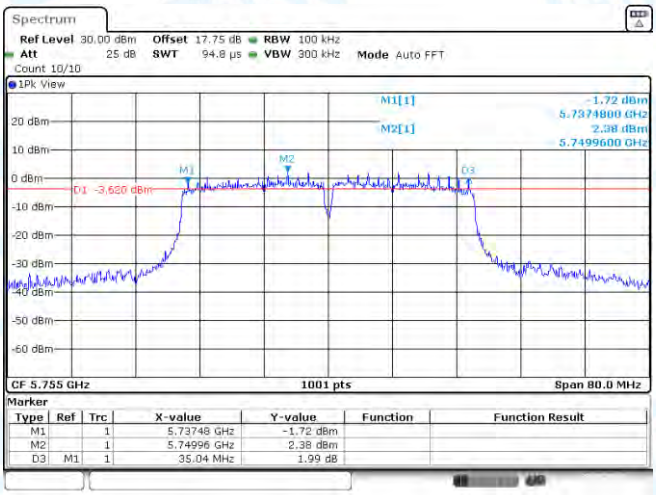


11AC40MIMO-Ant1-5755-PASS



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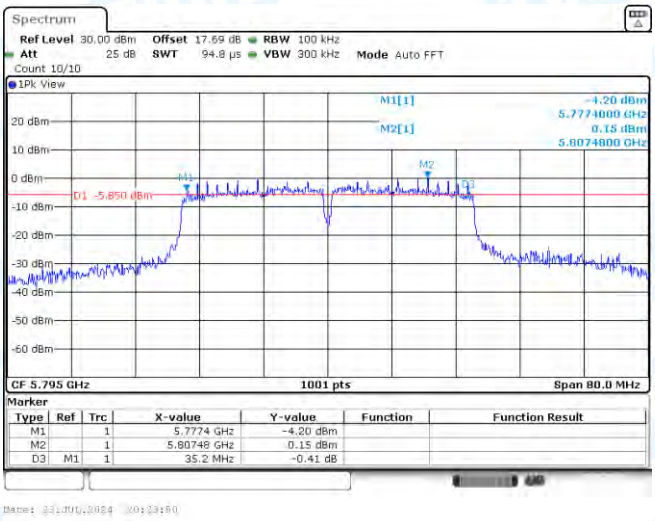
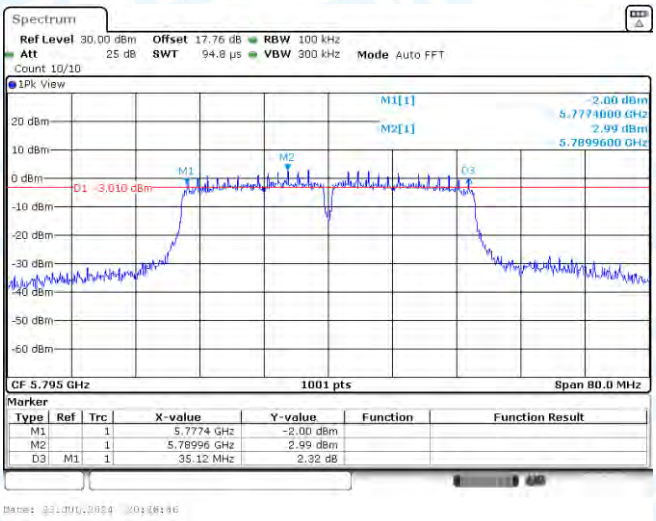


11AC40MIMO-Ant1-5795-PASS



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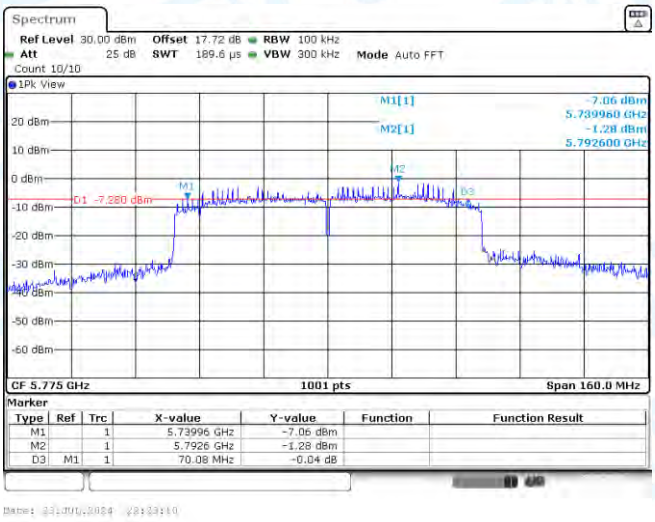
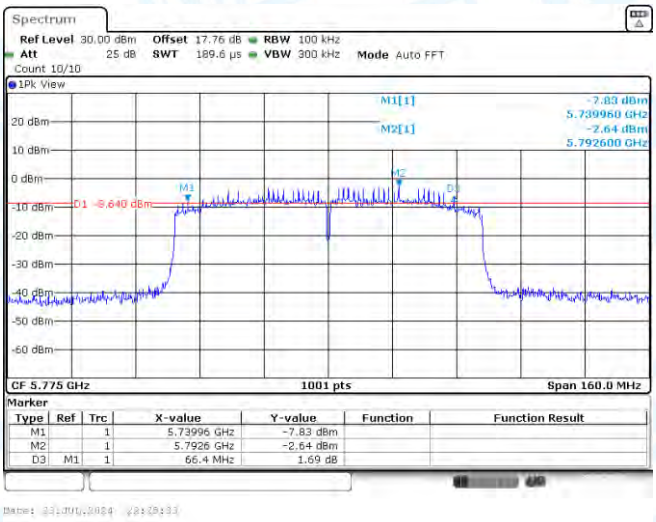


11AC80MIMO-Ant1-5775-PASS



11AC80MIMO-Ant2-5775-PASS

4: Duty Cycle

4.1 Test Result

TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factory	1/T [kHz]
11A	Ant1	5180	2.06	2.27	90.75	0.42	0.49
11A	Ant2	5180	2.07	2.30	90.00	0.46	0.48
11A	Ant1	5200	2.06	2.24	91.96	0.36	0.49
11A	Ant2	5200	2.07	2.27	91.19	0.40	0.48
11A	Ant1	5240	2.06	2.16	95.37	0.21	0.49
11A	Ant2	5240	2.06	2.28	90.35	0.44	0.49
11A	Ant1	5260	2.07	2.21	93.67	0.28	0.48
11A	Ant2	5260	2.07	2.28	90.79	0.42	0.48
11A	Ant1	5280	2.07	2.21	93.67	0.28	0.48
11A	Ant2	5280	2.07	2.22	93.24	0.30	0.48
11A	Ant1	5320	2.06	2.28	90.35	0.44	0.49
11A	Ant2	5320	2.06	2.22	92.79	0.32	0.49
11A	Ant1	5500	2.07	2.29	90.39	0.44	0.48
11A	Ant2	5500	2.07	2.22	93.24	0.30	0.48
11A	Ant1	5580	2.07	2.24	92.41	0.34	0.48
11A	Ant2	5580	2.06	2.25	91.56	0.38	0.49
11A	Ant1	5700	2.06	2.28	90.35	0.44	0.49
11A	Ant2	5700	2.07	2.20	94.09	0.26	0.48
11A	Ant1	5720	2.06	2.26	91.15	0.40	0.49
11A	Ant2	5720	2.07	2.20	94.09	0.26	0.48
11A	Ant1	5745	2.07	2.28	90.79	0.42	0.48
11A	Ant2	5745	2.07	2.17	95.39	0.20	0.48
11A	Ant1	5785	2.07	2.22	93.24	0.30	0.48
11A	Ant2	5785	2.07	2.22	93.24	0.30	0.48
11A	Ant1	5825	2.06	2.26	91.15	0.40	0.49
11A	Ant2	5825	2.07	2.19	94.52	0.24	0.48
11N20MIMO	Ant1	5180	1.92	2.14	89.72	0.47	0.52
11N20MIMO	Ant2	5180	1.92	2.02	95.05	0.22	0.52
11N20MIMO	Ant1	5200	1.92	2.12	90.57	0.43	0.52
11N20MIMO	Ant2	5200	1.93	2.12	91.04	0.41	0.52
11N20MIMO	Ant1	5240	1.92	2.09	91.87	0.37	0.52
11N20MIMO	Ant2	5240	1.92	2.14	89.72	0.47	0.52
11N20MIMO	Ant1	5260	1.92	2.13	90.14	0.45	0.52
11N20MIMO	Ant2	5260	1.93	2.14	90.19	0.45	0.52
11N20MIMO	Ant1	5280	1.92	2.09	91.87	0.37	0.52
11N20MIMO	Ant2	5280	1.92	2.04	94.12	0.26	0.52
11N20MIMO	Ant1	5320	1.93	2.09	92.34	0.35	0.52
11N20MIMO	Ant2	5320	1.92	2.12	90.57	0.43	0.52
11N20MIMO	Ant1	5500	1.93	2.10	91.90	0.37	0.52
11N20MIMO	Ant2	5500	1.92	2.02	95.05	0.22	0.52
11N20MIMO	Ant1	5580	1.92	2.08	92.31	0.35	0.52
11N20MIMO	Ant2	5580	1.93	2.12	91.04	0.41	0.52
11N20MIMO	Ant1	5700	1.92	2.12	90.57	0.43	0.52
11N20MIMO	Ant2	5700	1.92	2.13	90.14	0.45	0.52
11N20MIMO	Ant1	5720	1.92	2.14	89.72	0.47	0.52
11N20MIMO	Ant2	5720	1.92	2.07	92.75	0.33	0.52
11N20MIMO	Ant1	5745	1.93	2.15	89.77	0.47	0.52
11N20MIMO	Ant2	5745	1.92	2.08	92.31	0.35	0.52
11N20MIMO	Ant1	5785	1.93	2.15	89.77	0.47	0.52
11N20MIMO	Ant2	5785	1.92	2.12	90.57	0.43	0.52
11N20MIMO	Ant1	5825	1.92	2.12	90.57	0.43	0.52
11N20MIMO	Ant2	5825	1.92	2.14	89.72	0.47	0.52

11N40MIMO	Ant1	5190	0.95	1.13	84.07	0.75	1.05
11N40MIMO	Ant2	5190	0.94	1.14	82.46	0.84	1.06
11N40MIMO	Ant1	5230	0.94	1.09	86.24	0.64	1.06
11N40MIMO	Ant2	5230	0.94	1.13	83.19	0.80	1.06
11N40MIMO	Ant1	5270	0.95	1.08	87.96	0.56	1.05
11N40MIMO	Ant2	5270	0.94	1.16	81.03	0.91	1.06
11N40MIMO	Ant1	5310	0.94	1.14	82.46	0.84	1.06
11N40MIMO	Ant2	5310	0.94	1.16	81.03	0.91	1.06
11N40MIMO	Ant1	5510	0.94	1.15	81.74	0.88	1.06
11N40MIMO	Ant2	5510	0.94	1.16	81.03	0.91	1.06
11N40MIMO	Ant1	5550	0.94	1.13	83.19	0.80	1.06
11N40MIMO	Ant2	5550	0.95	1.16	81.90	0.87	1.05
11N40MIMO	Ant1	5670	0.95	1.15	82.61	0.83	1.05
11N40MIMO	Ant2	5670	0.94	1.09	86.24	0.64	1.06
11N40MIMO	Ant1	5710	0.94	1.15	81.74	0.88	1.06
11N40MIMO	Ant2	5710	0.95	1.14	83.33	0.79	1.05
11N40MIMO	Ant1	5755	0.94	1.06	88.68	0.52	1.06
11N40MIMO	Ant2	5755	0.95	1.04	91.35	0.39	1.05
11N40MIMO	Ant1	5795	0.95	1.15	82.61	0.83	1.05
11N40MIMO	Ant2	5795	0.95	1.11	85.59	0.68	1.05
11AC20MIMO	Ant1	5180	1.93	2.08	92.79	0.32	0.52
11AC20MIMO	Ant2	5180	1.93	2.26	85.40	0.69	0.52
11AC20MIMO	Ant1	5200	1.93	2.15	89.77	0.47	0.52
11AC20MIMO	Ant2	5200	1.93	2.16	89.35	0.49	0.52
11AC20MIMO	Ant1	5240	1.93	2.13	90.61	0.43	0.52
11AC20MIMO	Ant2	5240	1.93	2.13	90.61	0.43	0.52
11AC20MIMO	Ant1	5260	1.94	2.20	88.18	0.55	0.52
11AC20MIMO	Ant2	5260	1.94	2.16	89.81	0.47	0.52
11AC20MIMO	Ant1	5280	1.93	2.18	88.53	0.53	0.52
11AC20MIMO	Ant2	5280	1.93	2.19	88.13	0.55	0.52
11AC20MIMO	Ant1	5320	1.92	2.12	90.57	0.43	0.52
11AC20MIMO	Ant2	5320	1.94	2.11	91.94	0.36	0.52
11AC20MIMO	Ant1	5500	1.94	2.17	89.40	0.49	0.52
11AC20MIMO	Ant2	5500	1.94	2.07	93.72	0.28	0.52
11AC20MIMO	Ant1	5580	1.93	2.18	88.53	0.53	0.52
11AC20MIMO	Ant2	5580	1.94	2.17	89.40	0.49	0.52
11AC20MIMO	Ant1	5700	1.93	2.16	89.35	0.49	0.52
11AC20MIMO	Ant2	5700	1.93	2.11	91.47	0.39	0.52
11AC20MIMO	Ant1	5720	1.93	2.13	90.61	0.43	0.52
11AC20MIMO	Ant2	5720	1.93	2.19	88.13	0.55	0.52
11AC20MIMO	Ant1	5745	1.94	2.15	90.23	0.45	0.52
11AC20MIMO	Ant2	5745	1.93	2.19	88.13	0.55	0.52
11AC20MIMO	Ant1	5785	1.93	2.17	88.94	0.51	0.52
11AC20MIMO	Ant2	5785	1.94	2.18	88.99	0.51	0.52
11AC20MIMO	Ant1	5825	1.93	2.08	92.79	0.32	0.52
11AC20MIMO	Ant2	5825	1.94	2.19	88.58	0.53	0.52
11AC40MIMO	Ant1	5190	0.95	1.15	82.61	0.83	1.05
11AC40MIMO	Ant2	5190	0.96	1.12	85.71	0.67	1.04
11AC40MIMO	Ant1	5230	0.96	1.20	80.00	0.97	1.04
11AC40MIMO	Ant2	5230	0.96	1.20	80.00	0.97	1.04
11AC40MIMO	Ant1	5270	0.96	1.09	88.07	0.55	1.04
11AC40MIMO	Ant2	5270	0.96	1.21	79.34	1.01	1.04
11AC40MIMO	Ant1	5310	0.95	1.19	79.83	0.98	1.05
11AC40MIMO	Ant2	5310	0.95	1.19	79.83	0.98	1.05
11AC40MIMO	Ant1	5510	0.95	1.17	81.20	0.90	1.05
11AC40MIMO	Ant2	5510	0.95	1.14	83.33	0.79	1.05
11AC40MIMO	Ant1	5550	0.96	1.09	88.07	0.55	1.04
11AC40MIMO	Ant2	5550	0.95	1.13	84.07	0.75	1.05
11AC40MIMO	Ant1	5670	0.96	1.19	80.67	0.93	1.04

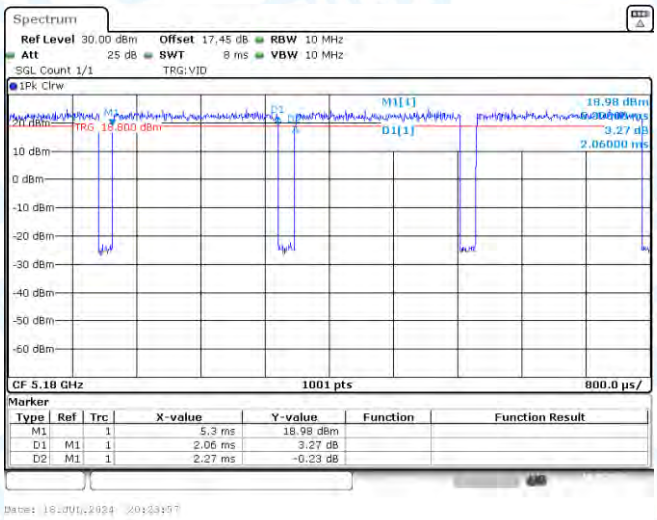
11AC40MIMO	Ant2	5670	0.95	1.19	79.83	0.98	1.05
11AC40MIMO	Ant1	5710	0.95	1.17	81.20	0.90	1.05
11AC40MIMO	Ant2	5710	0.95	1.18	80.51	0.94	1.05
11AC40MIMO	Ant1	5755	0.95	1.17	81.20	0.90	1.05
11AC40MIMO	Ant2	5755	0.96	1.15	83.48	0.78	1.04
11AC40MIMO	Ant1	5795	0.95	1.15	82.61	0.83	1.05
11AC40MIMO	Ant2	5795	0.95	1.17	81.20	0.90	1.05
11AC80MIMO	Ant1	5210	0.46	0.64	71.88	1.43	2.17
11AC80MIMO	Ant2	5210	0.46	0.69	66.67	1.76	2.17
11AC80MIMO	Ant1	5290	0.46	0.69	66.67	1.76	2.17
11AC80MIMO	Ant2	5290	0.47	0.70	67.14	1.73	2.13
11AC80MIMO	Ant1	5530	0.46	0.71	64.79	1.88	2.17
11AC80MIMO	Ant2	5530	0.46	0.71	64.79	1.88	2.17
11AC80MIMO	Ant1	5610	0.46	0.70	65.71	1.82	2.17
11AC80MIMO	Ant2	5610	0.46	0.69	66.67	1.76	2.17
11AC80MIMO	Ant1	5690	0.46	0.72	63.89	1.95	2.17
11AC80MIMO	Ant2	5690	0.46	0.70	65.71	1.82	2.17
11AC80MIMO	Ant1	5775	0.46	0.66	69.70	1.57	2.17
11AC80MIMO	Ant2	5775	0.46	0.70	65.71	1.82	2.17

Note: 1, Duty Cycle= Transmission Duration/ Transmission Period

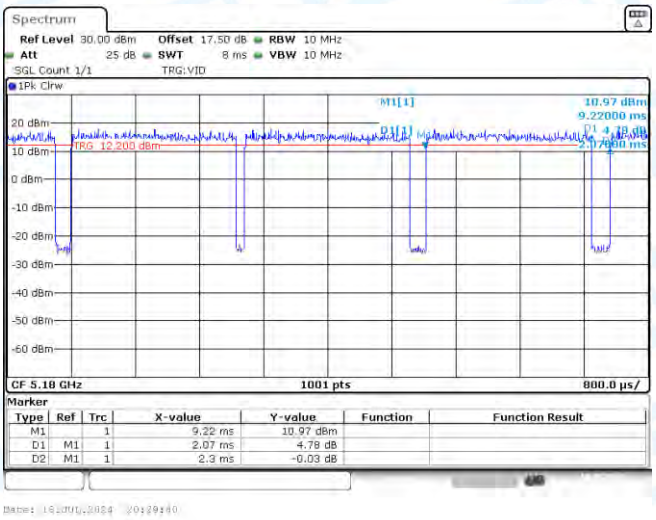
2, DC Factory=10*Log_{10}(1/Duty Cycle)

3, 1/T=1/ Transmission Duration

4.2 Test Graphs



NTNV-11A-Ant1-5180



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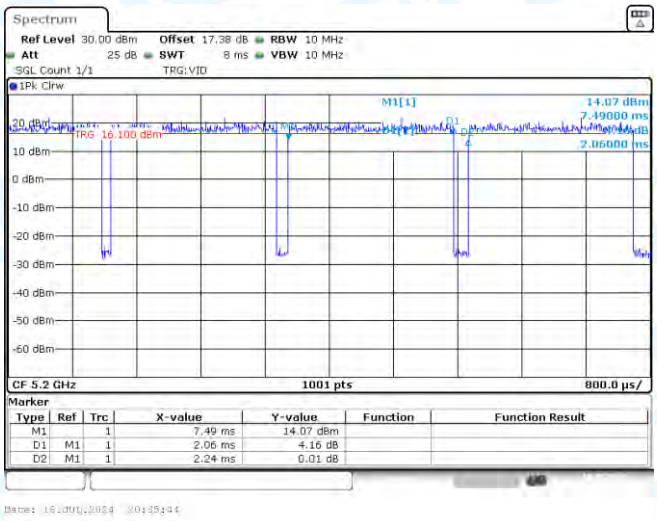

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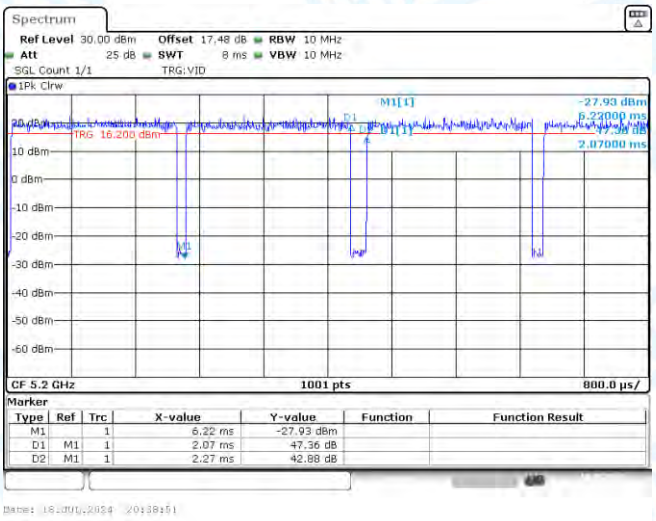

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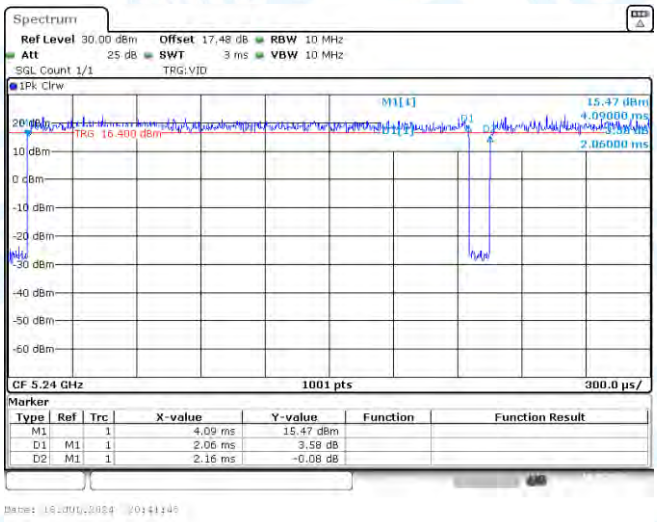

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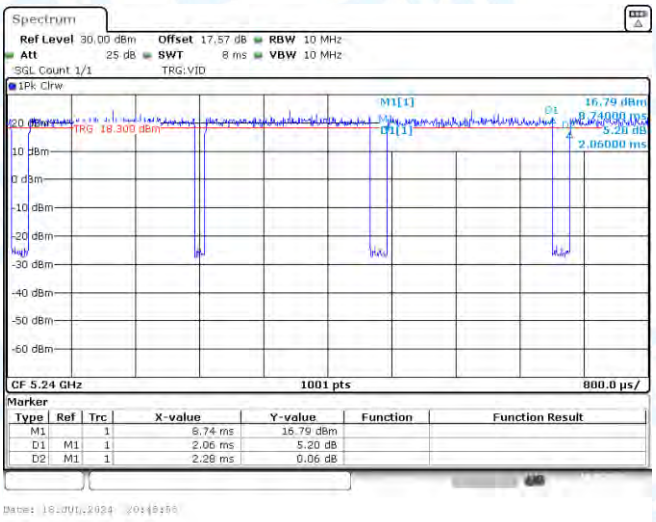

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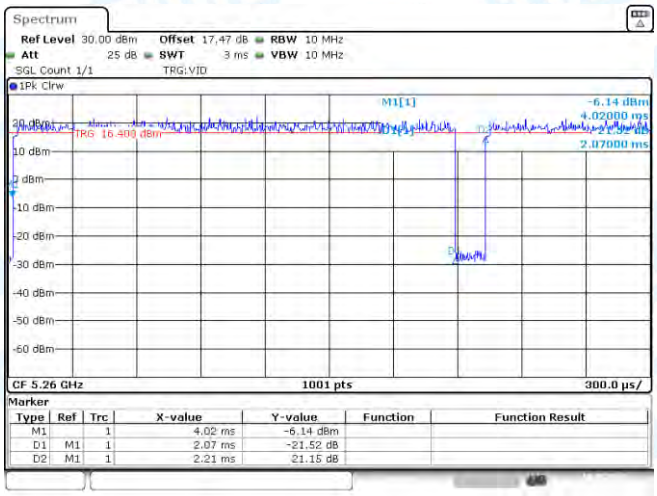

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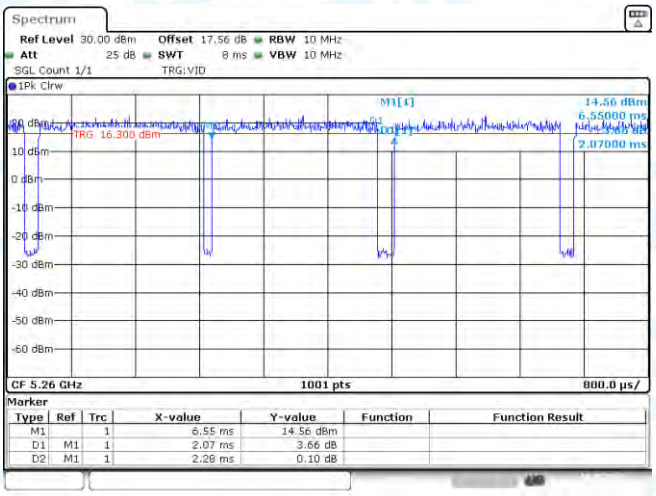

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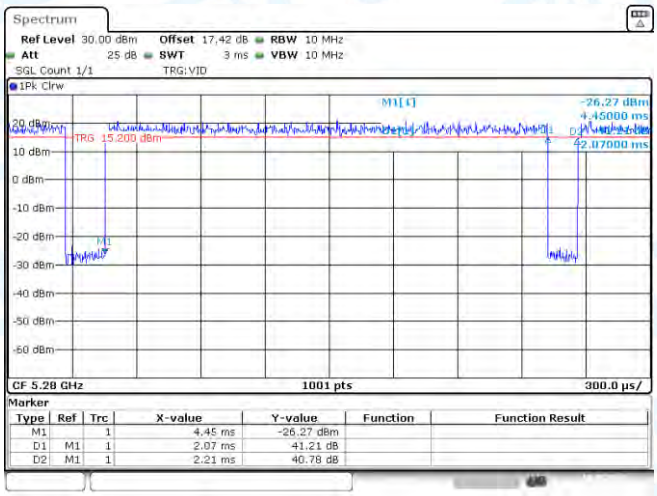

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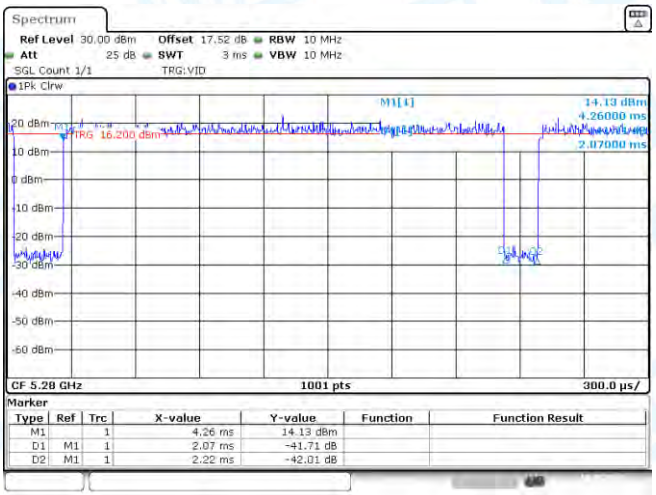

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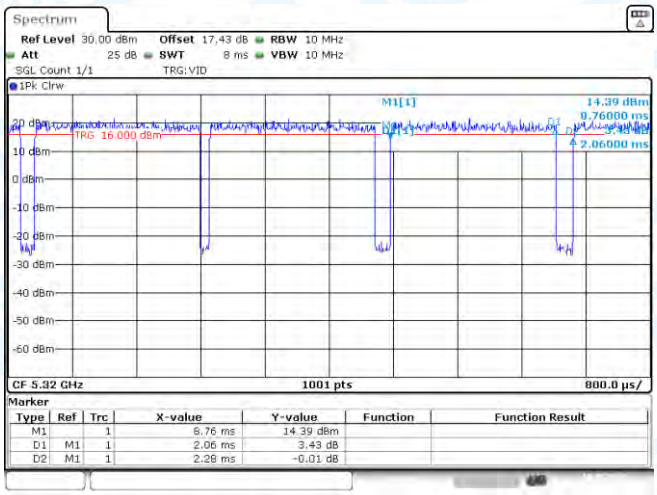

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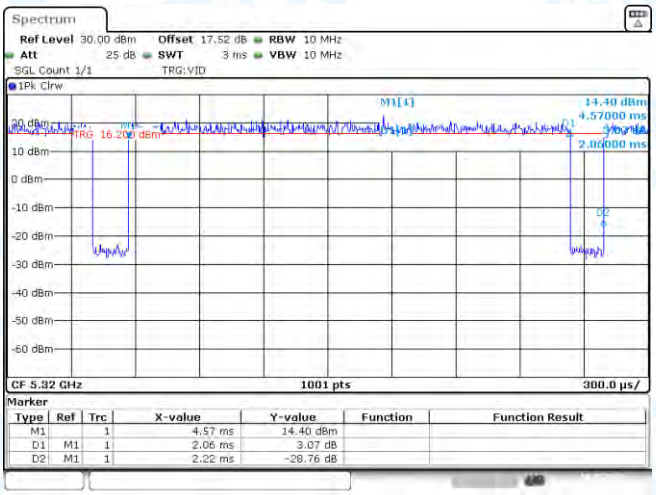

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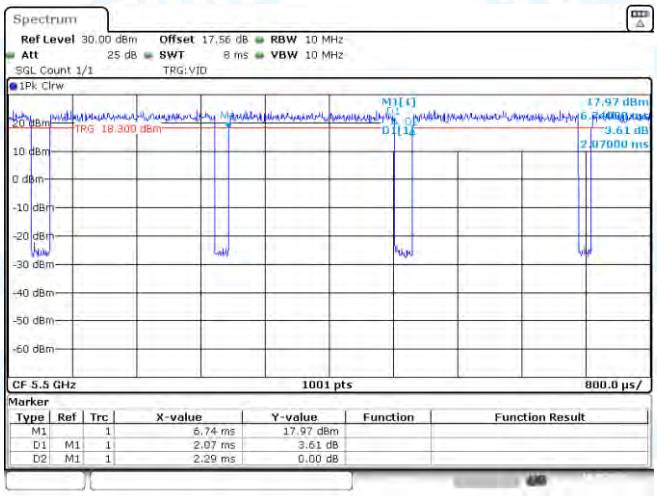

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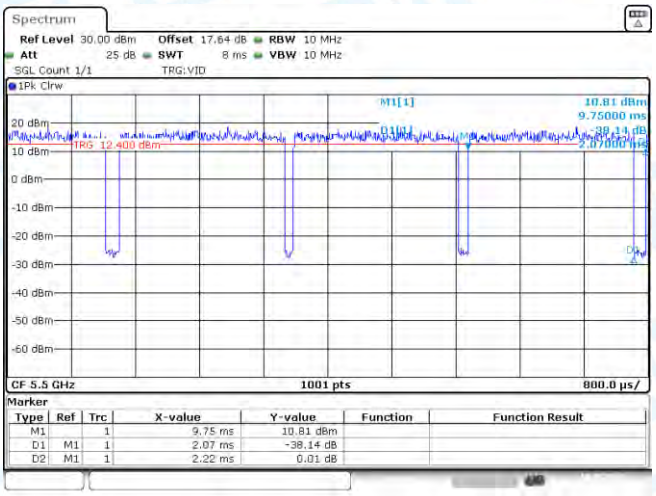
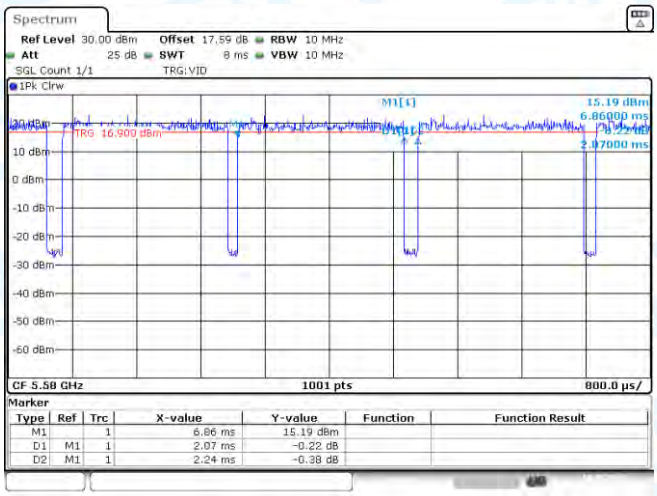
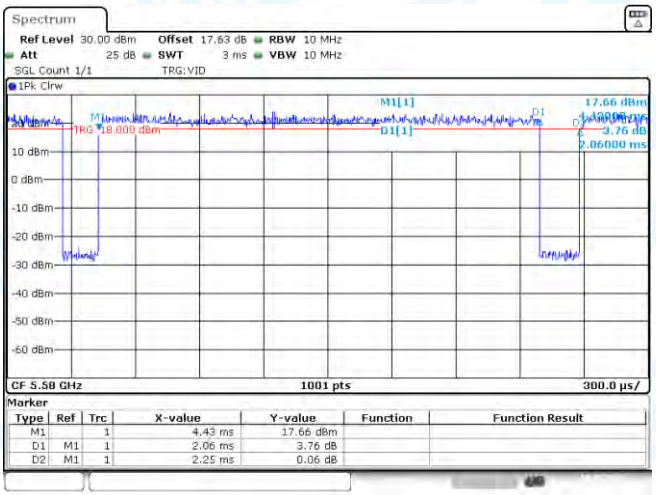


NTNV-11A-Ant2-5500



NTNV-11A-Ant1-5580



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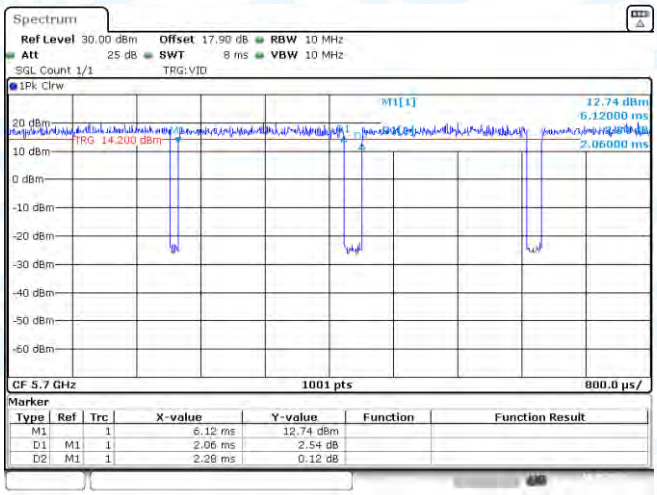

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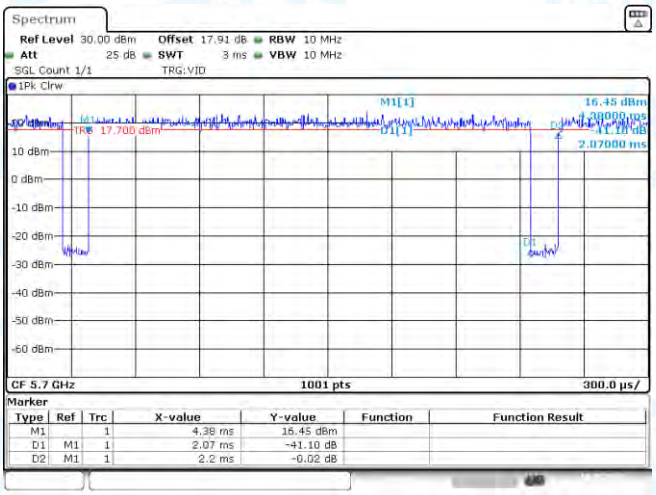

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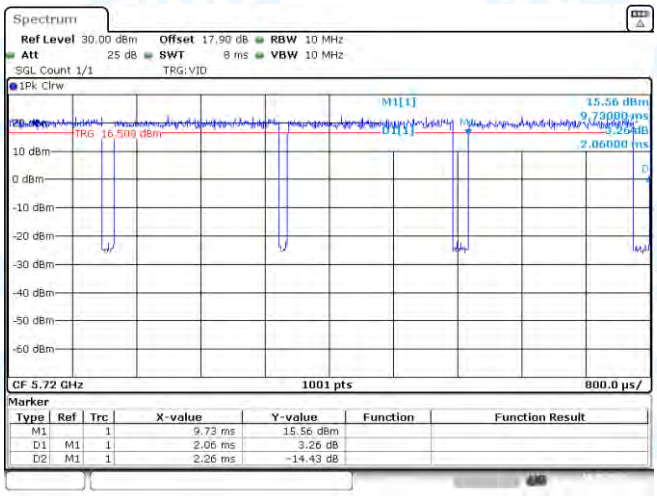

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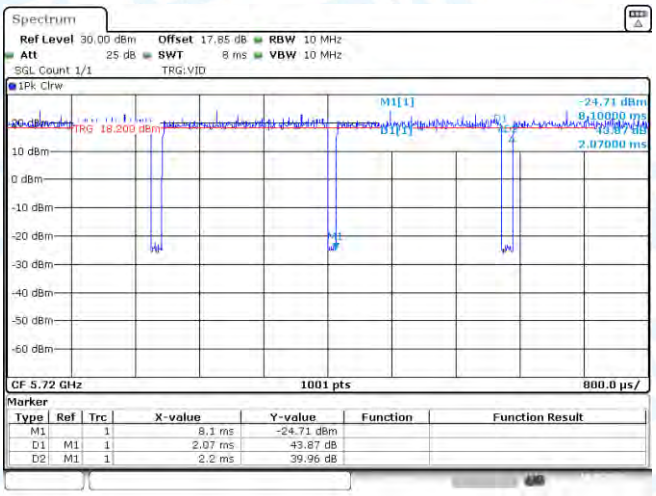

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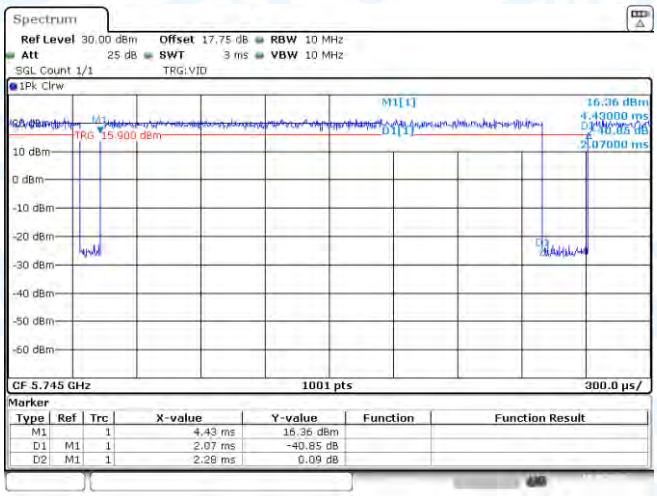

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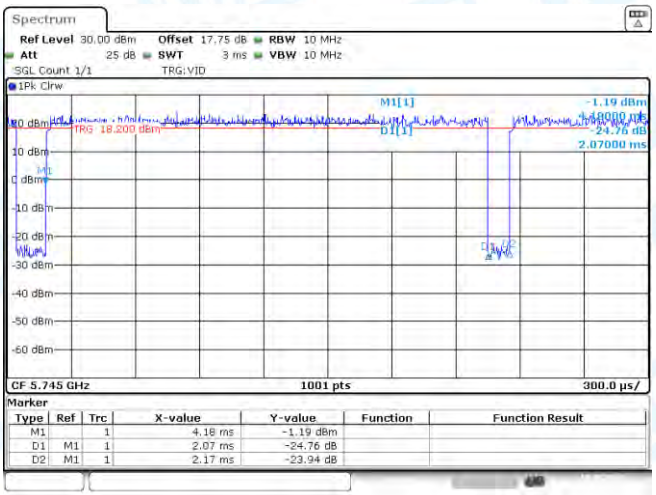

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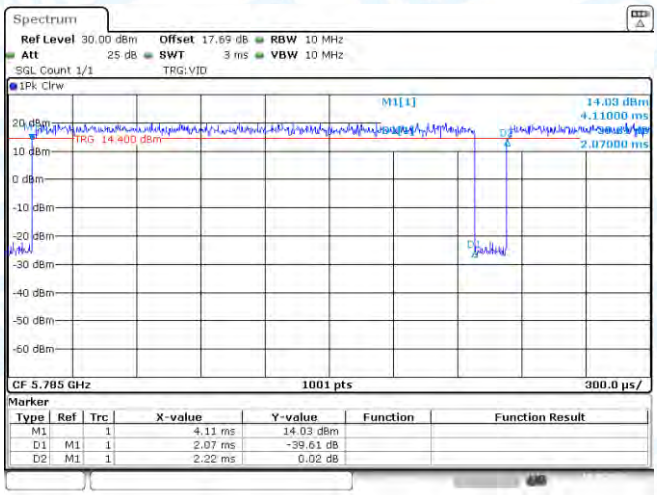
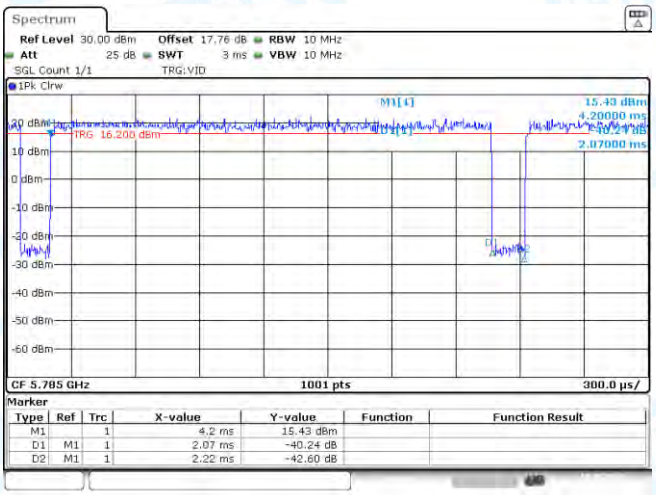


NTNV-11A-Ant1-5785



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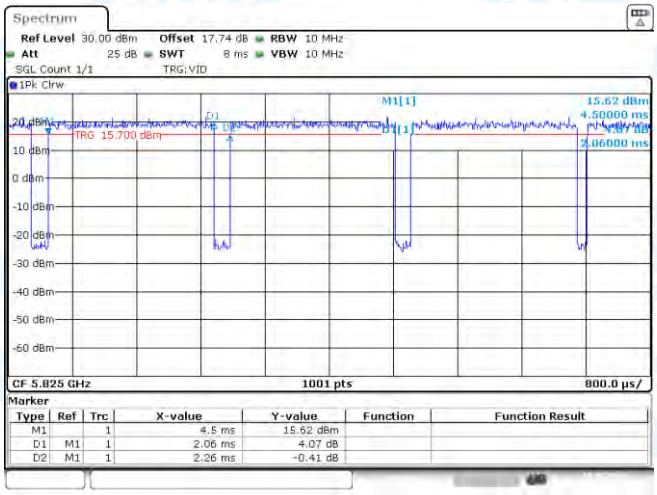

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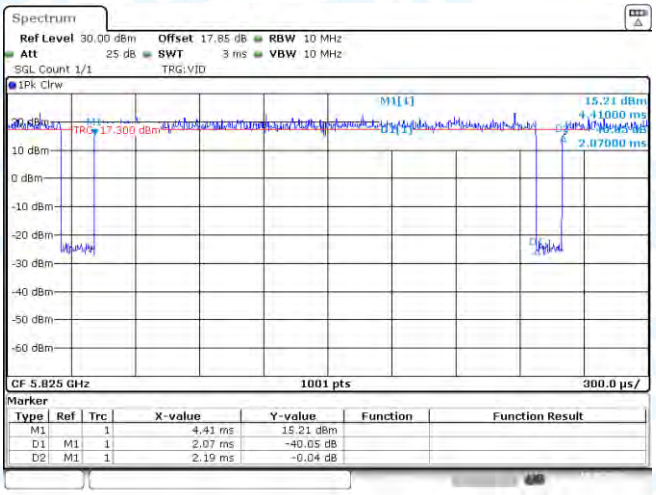

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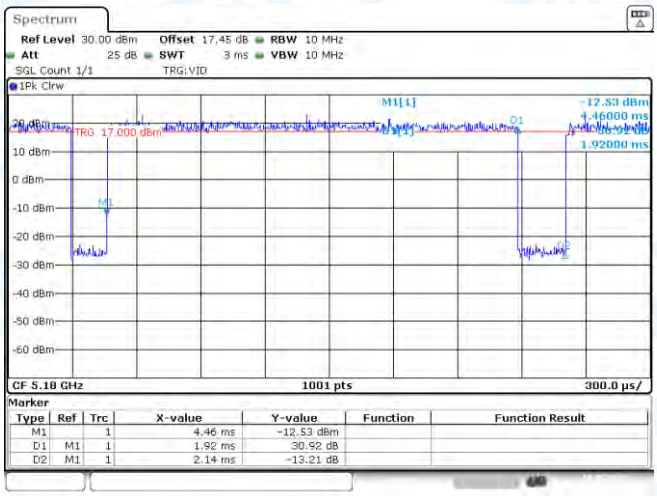

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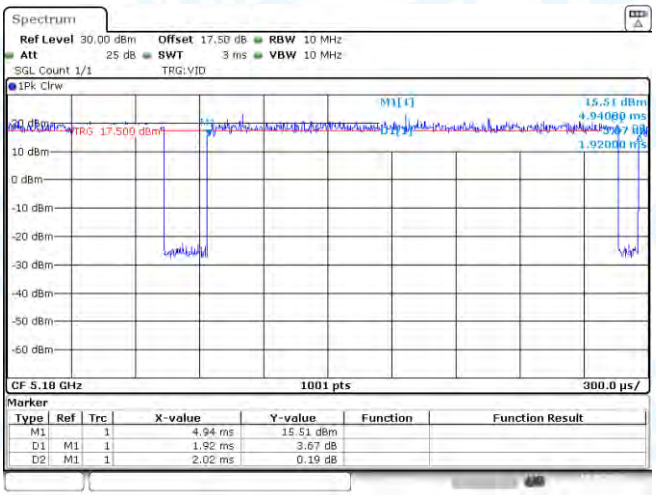

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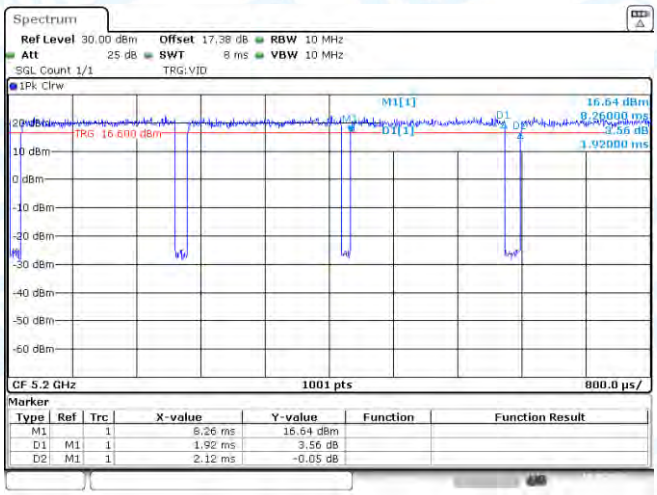

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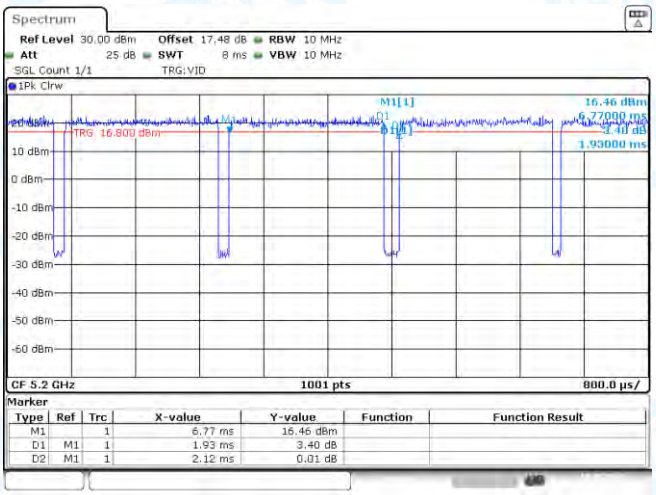

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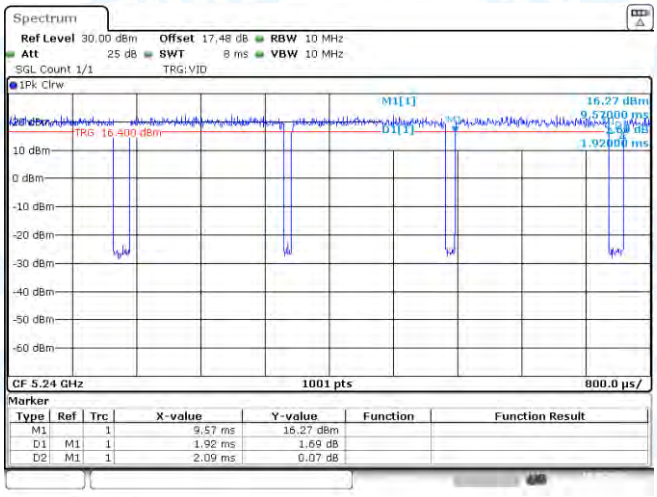

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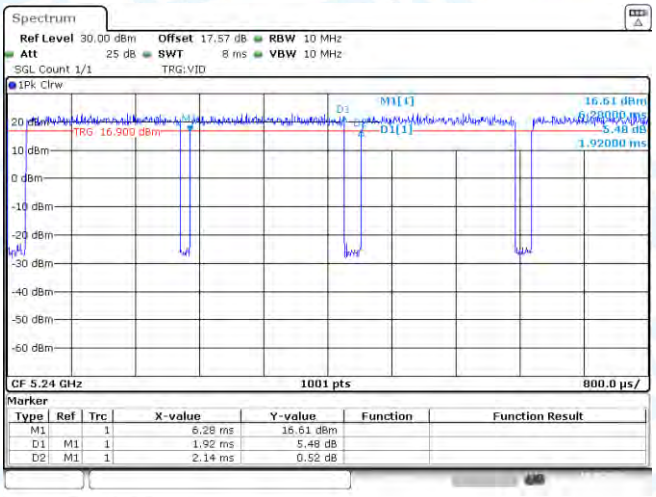

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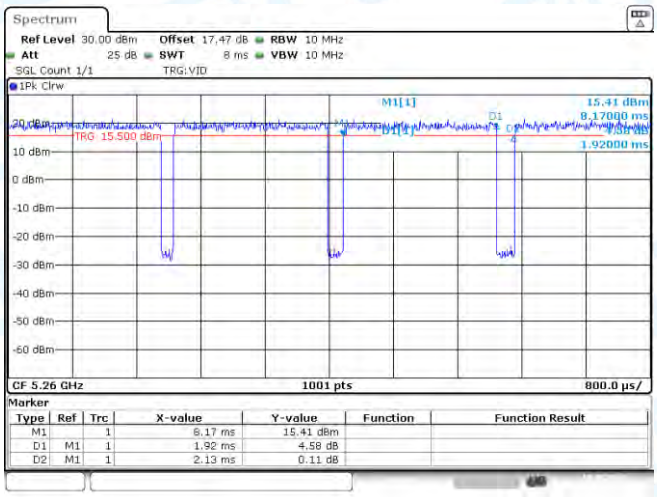

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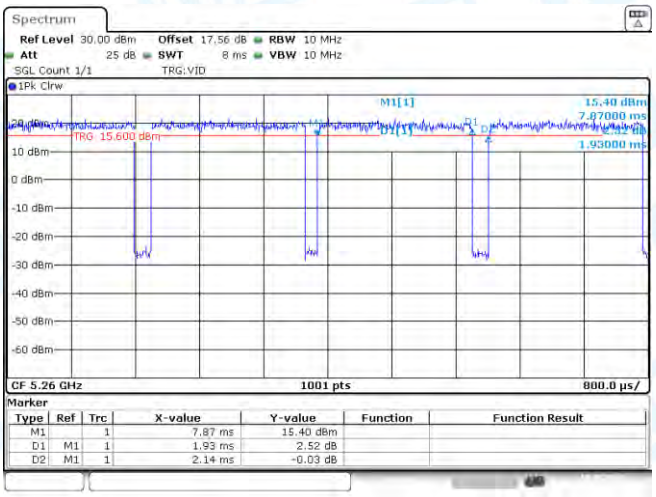

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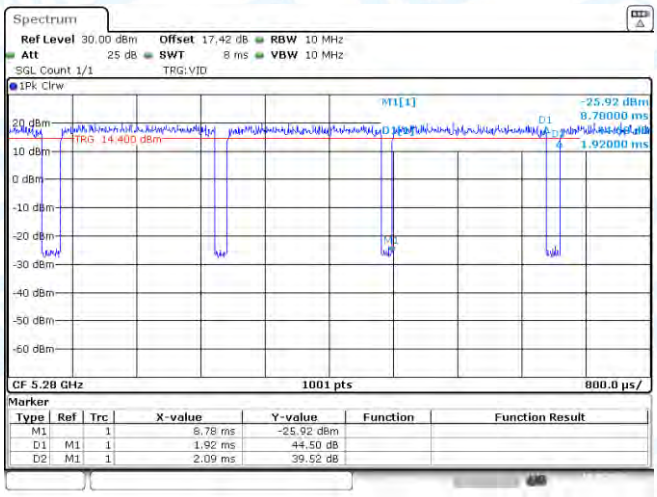

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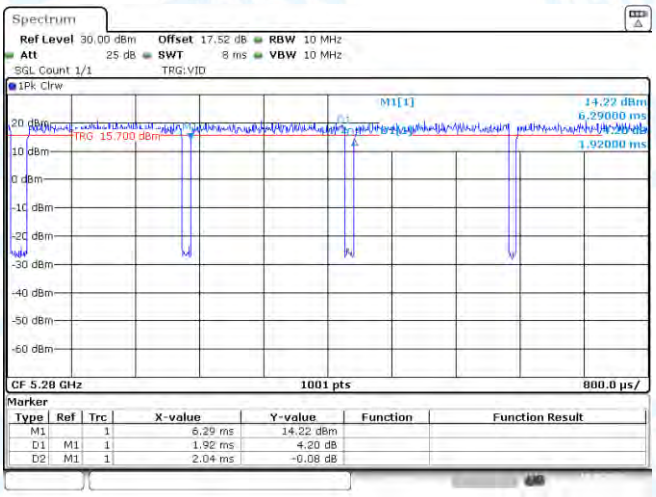

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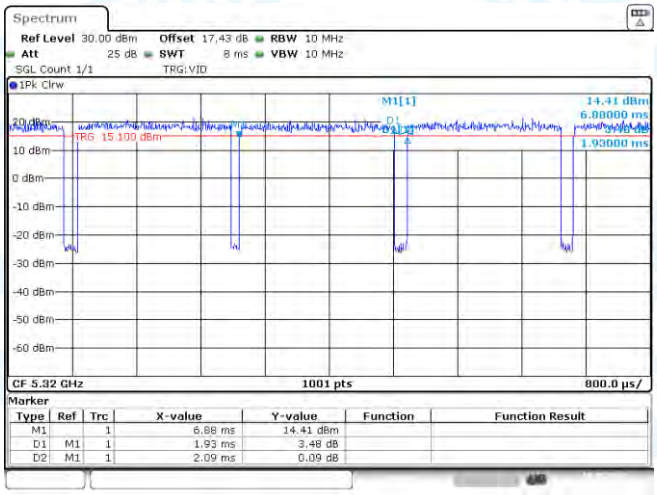

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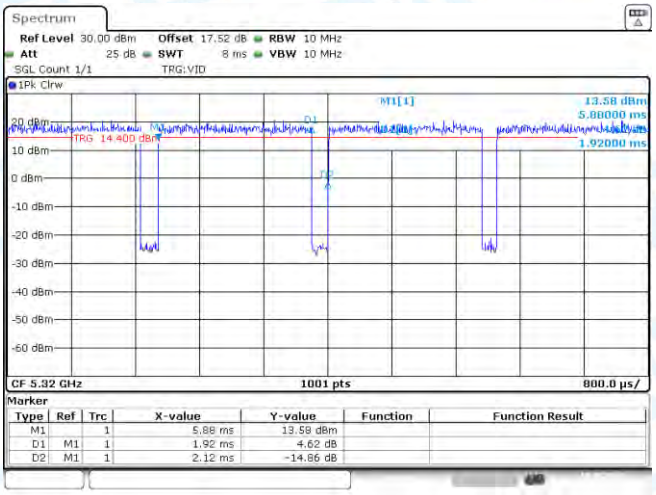

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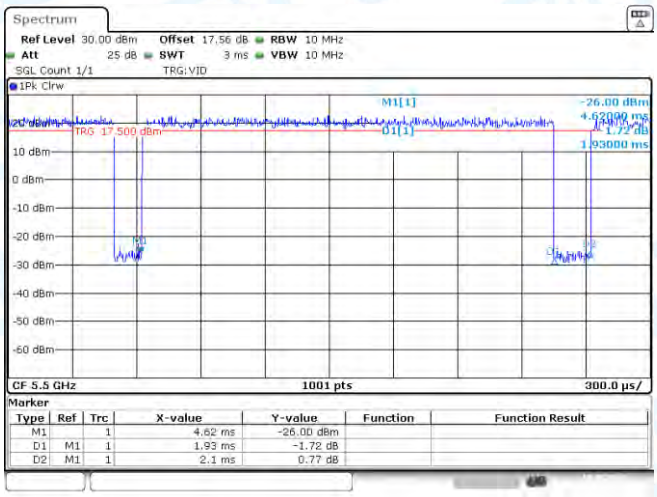
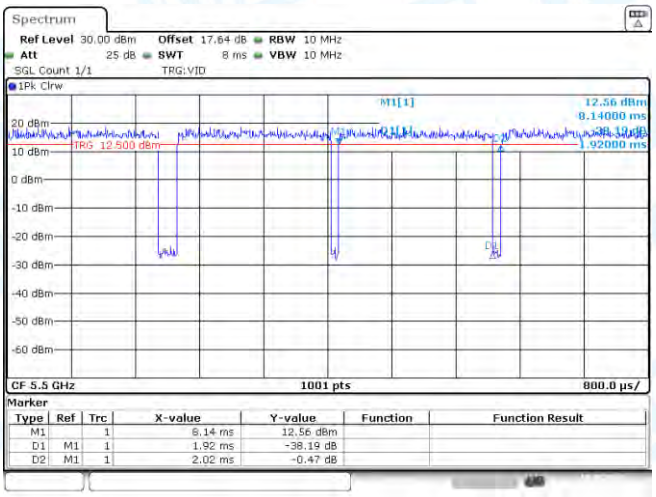


NTNV-11N20MIMO-Ant1-5500



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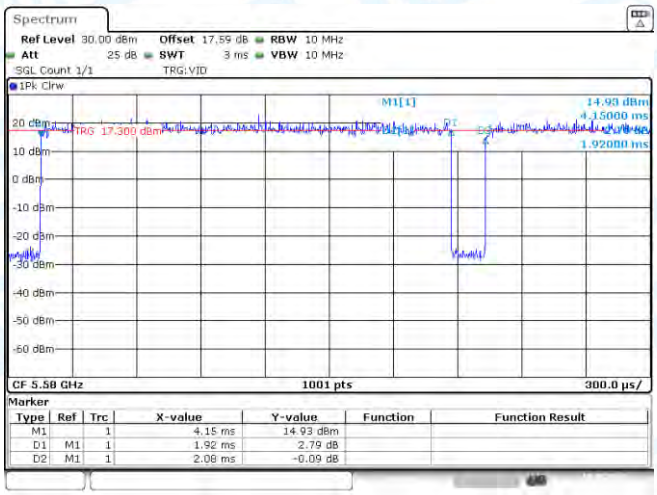

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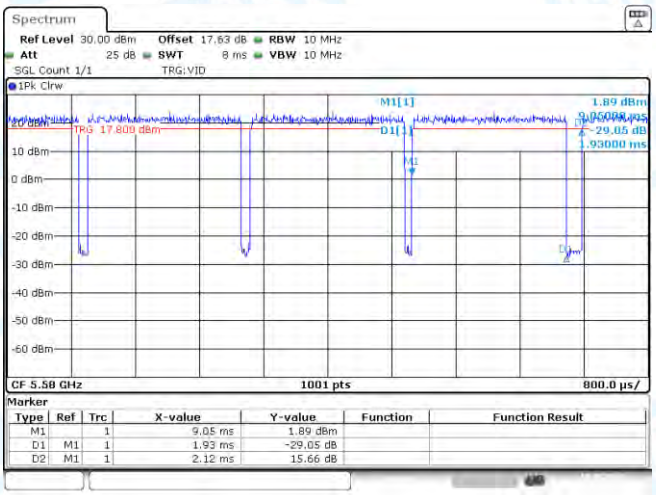

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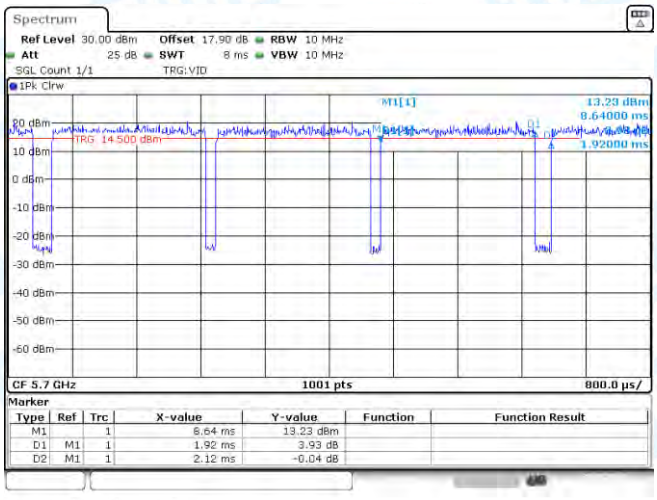

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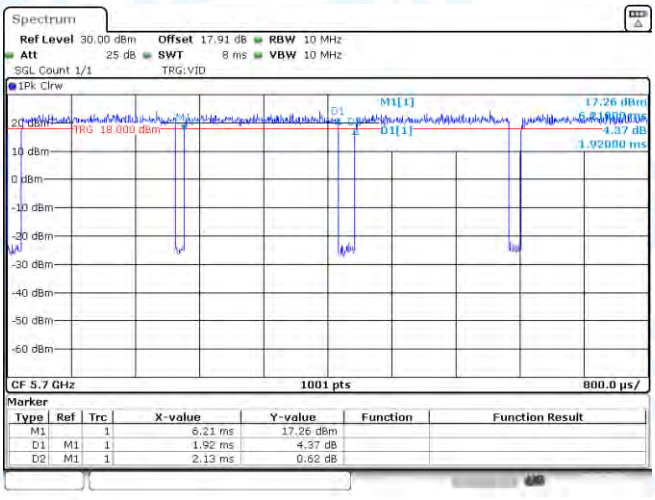

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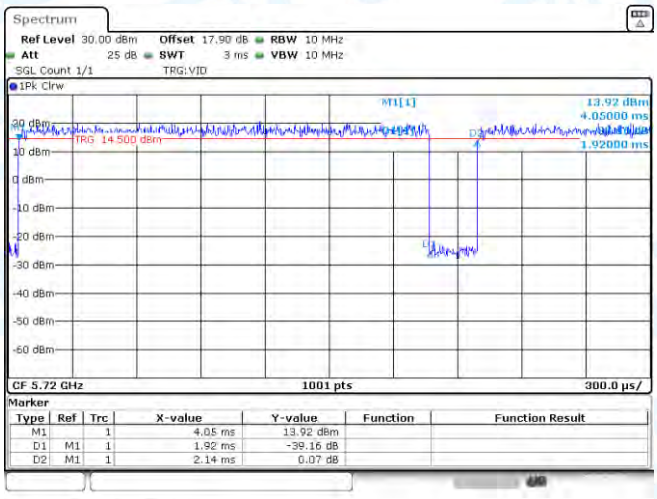

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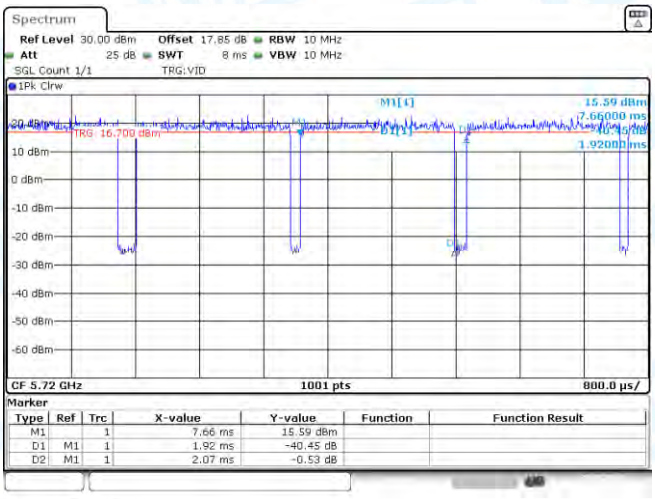

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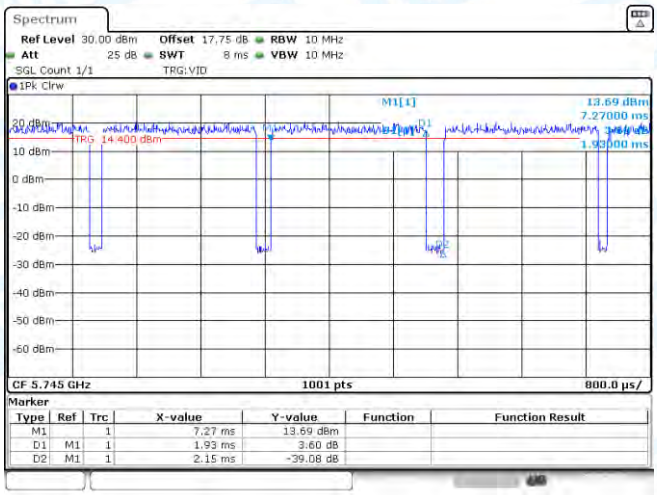

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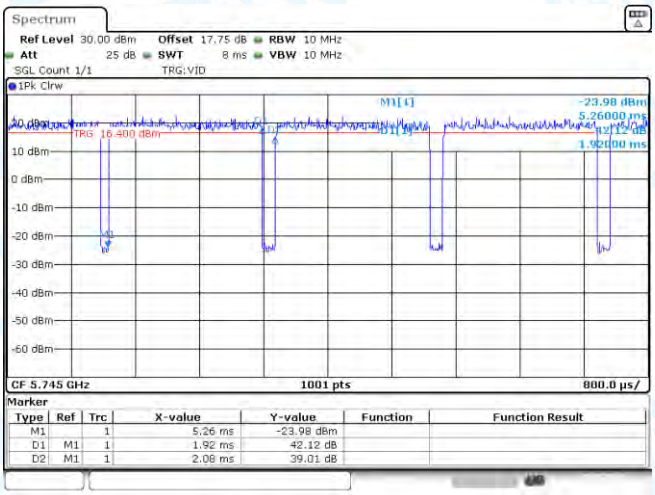

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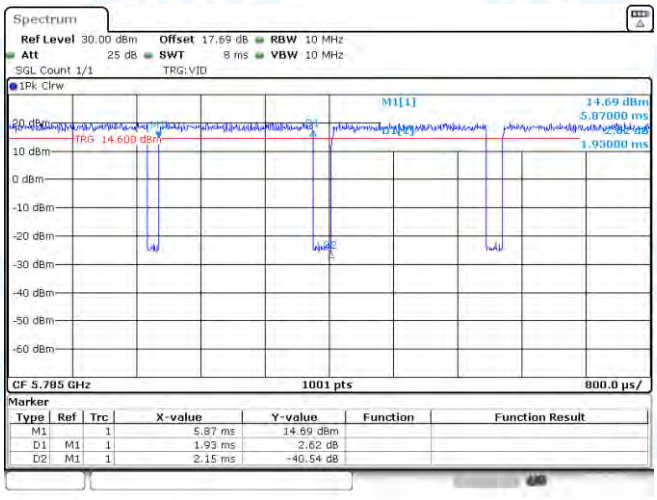

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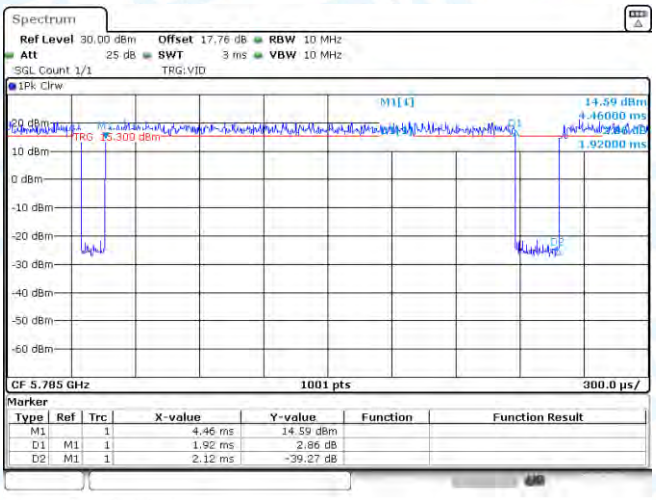

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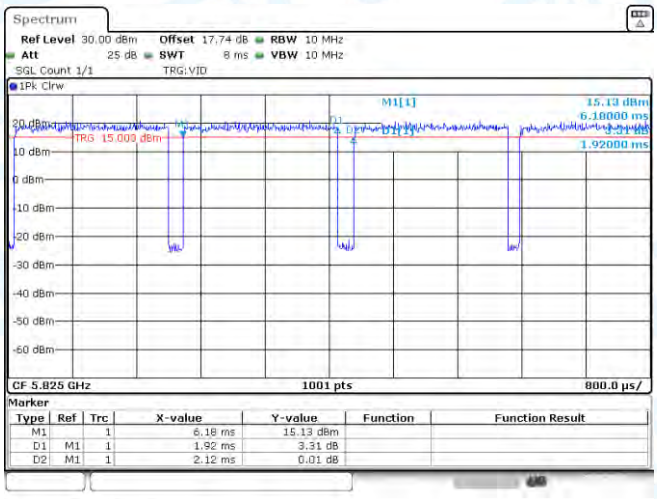

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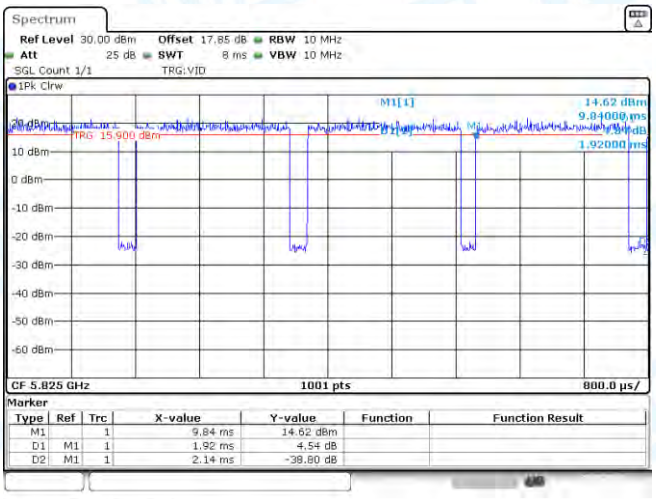

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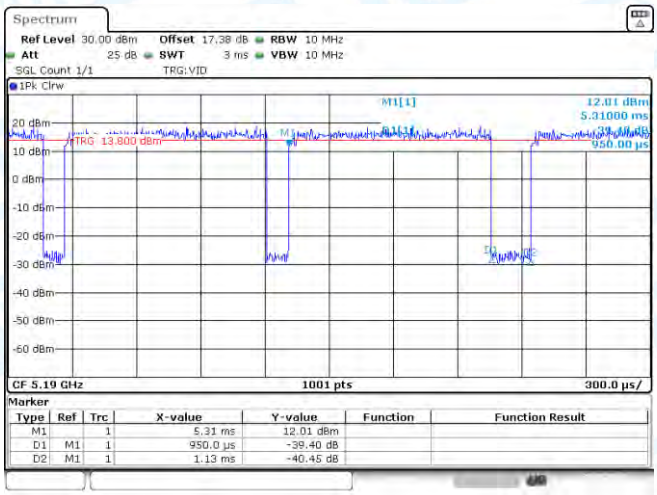

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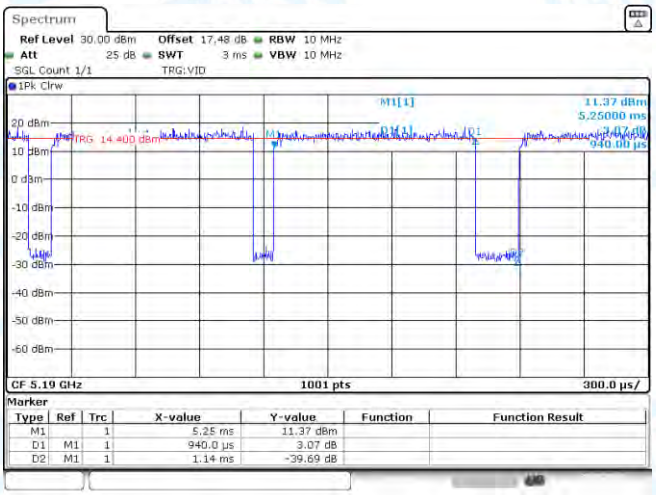

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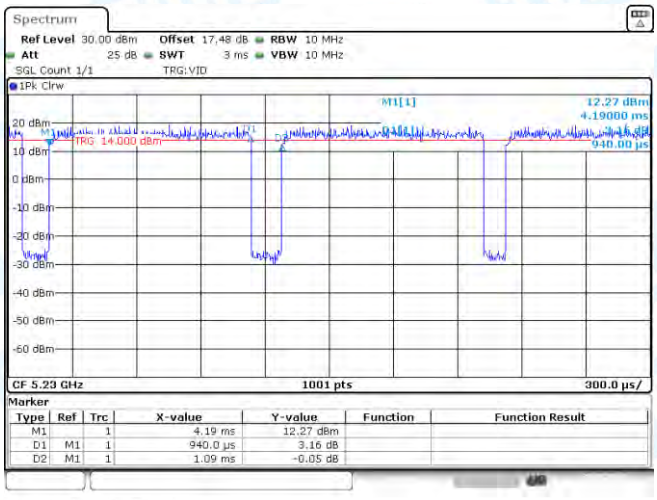

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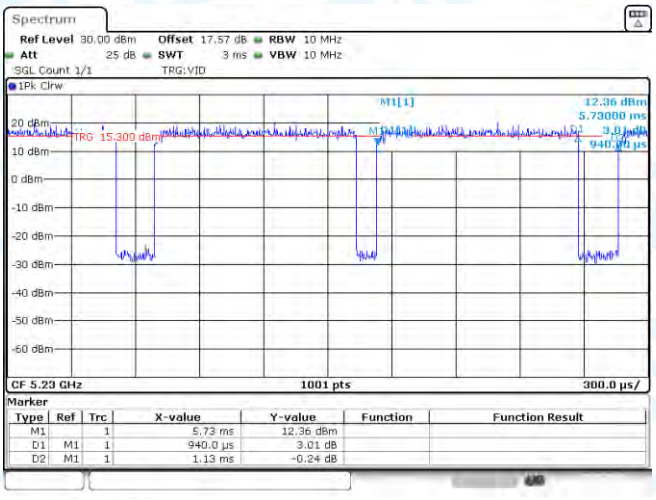

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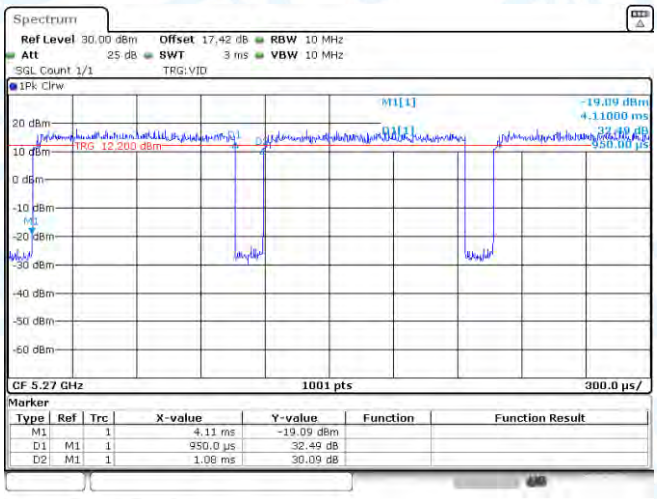

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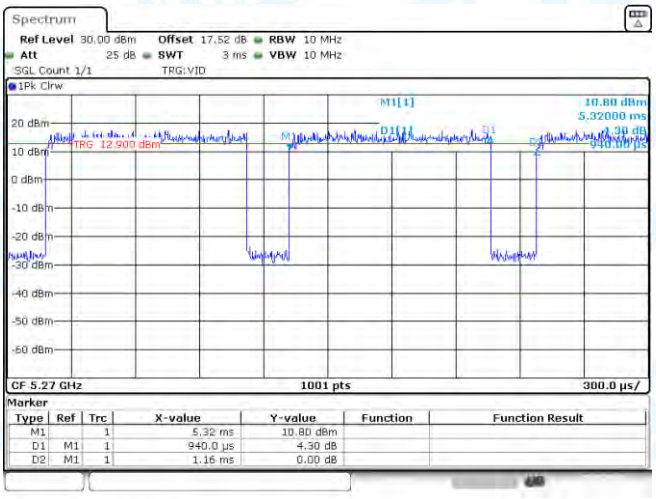

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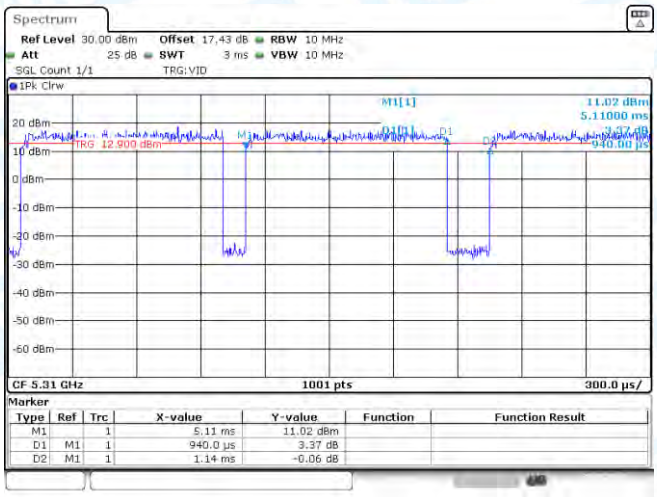

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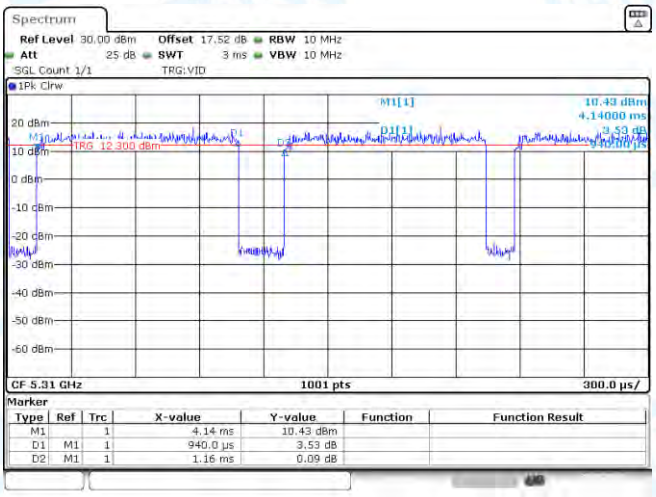

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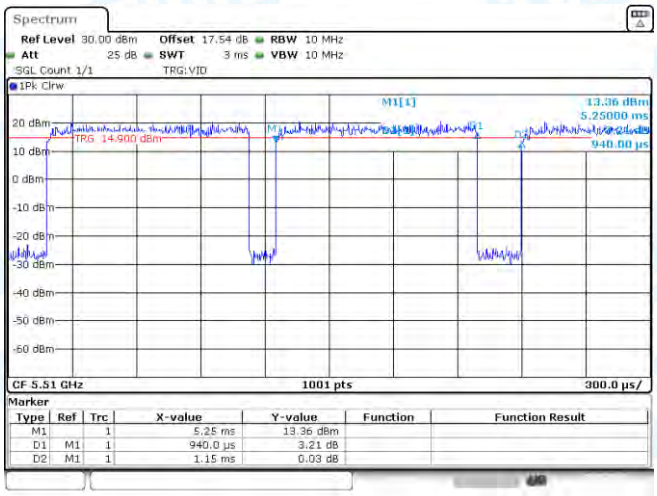

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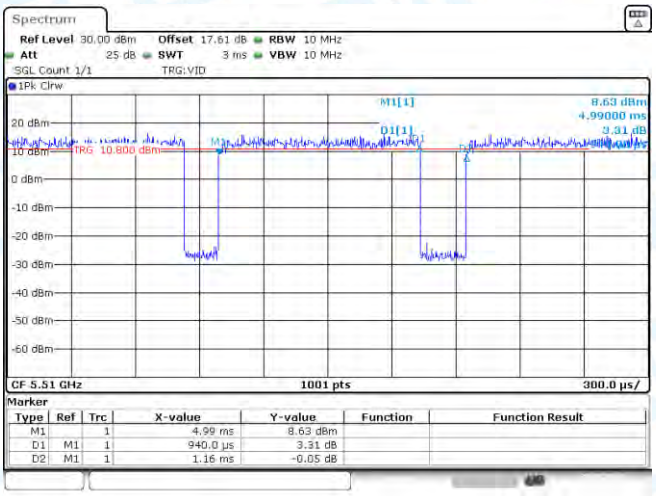

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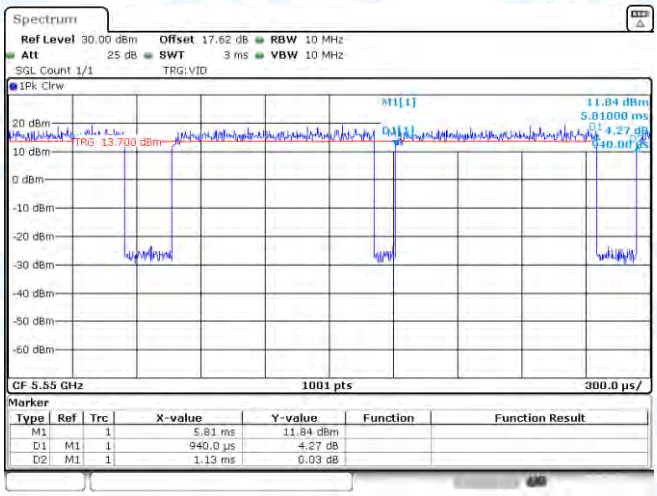

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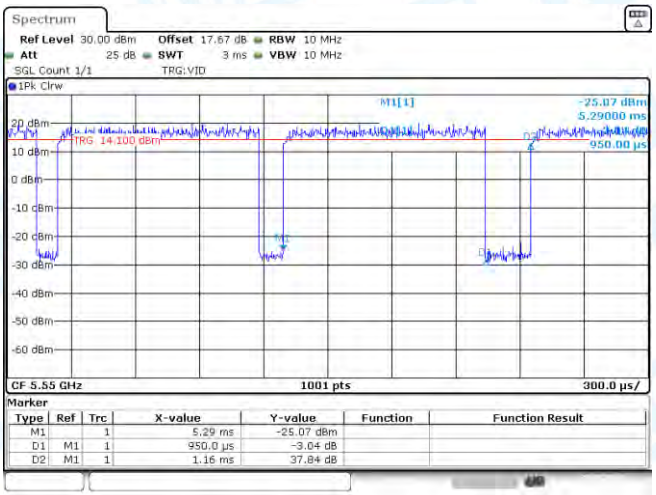

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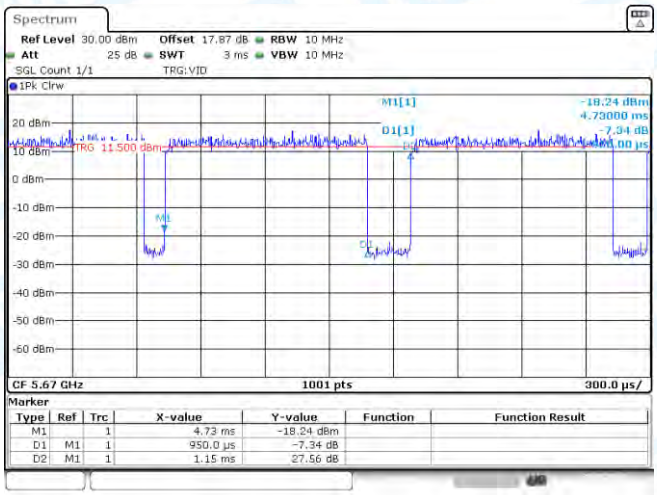
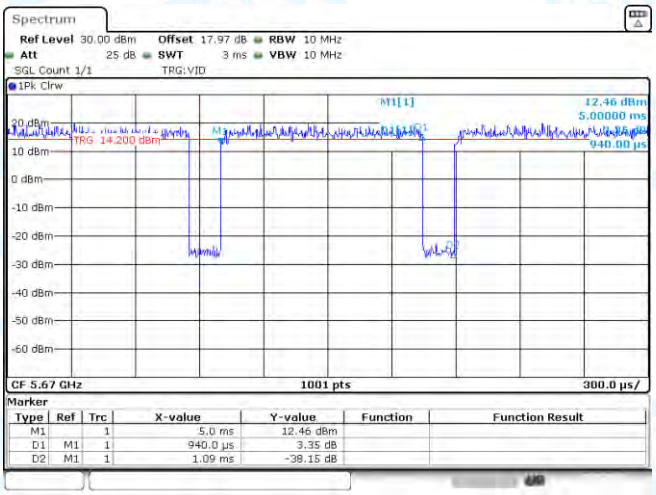
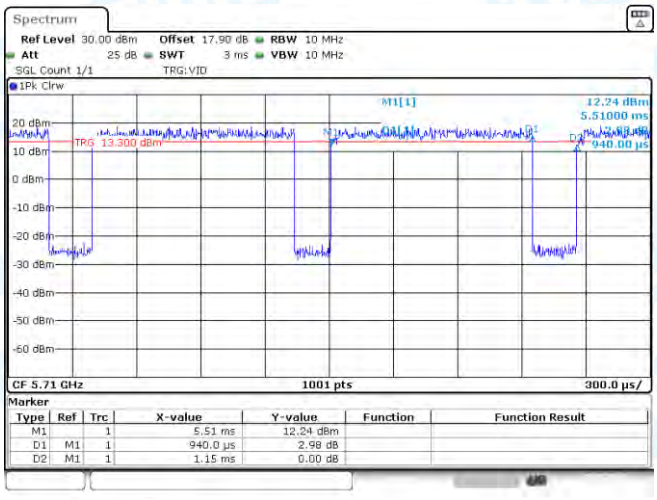


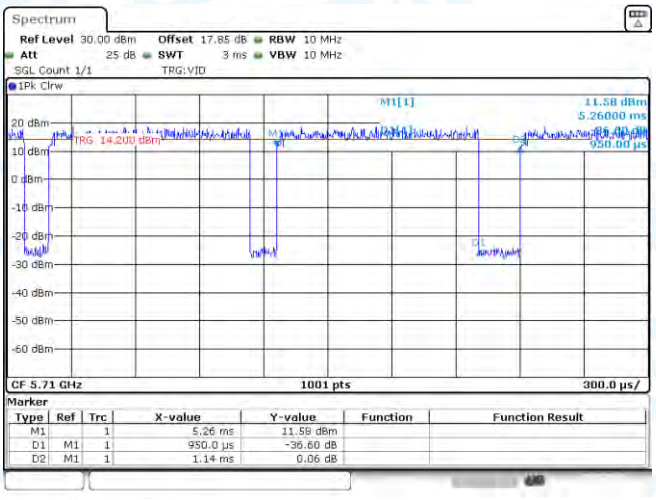
NTNV-11N40MIMO-Ant1-5670



NTNV-11N40MIMO-Ant2-5670



NTNV-11N40MIMO-Ant1-5710



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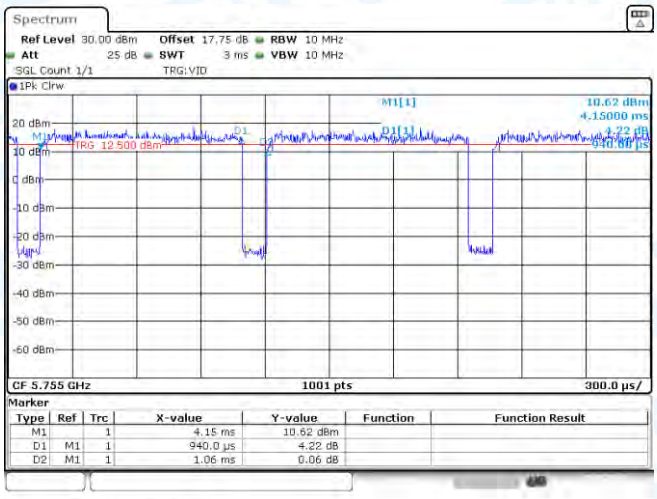
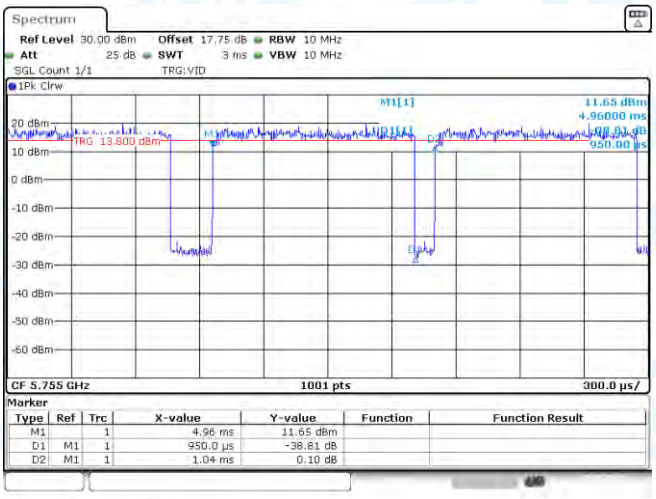


NTNV-11N40MIMO-Ant1-5755



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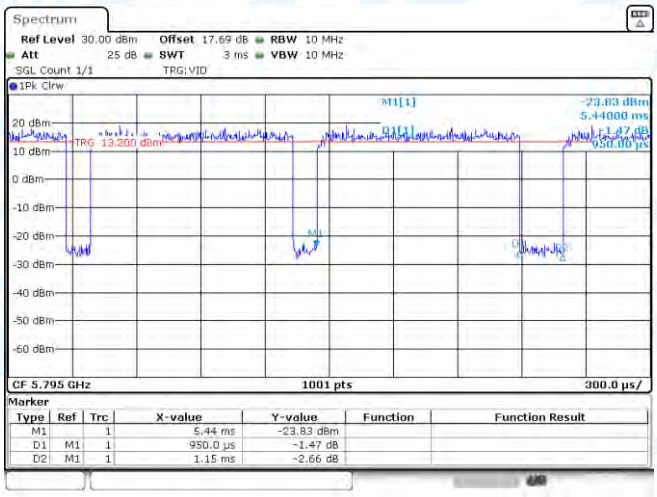

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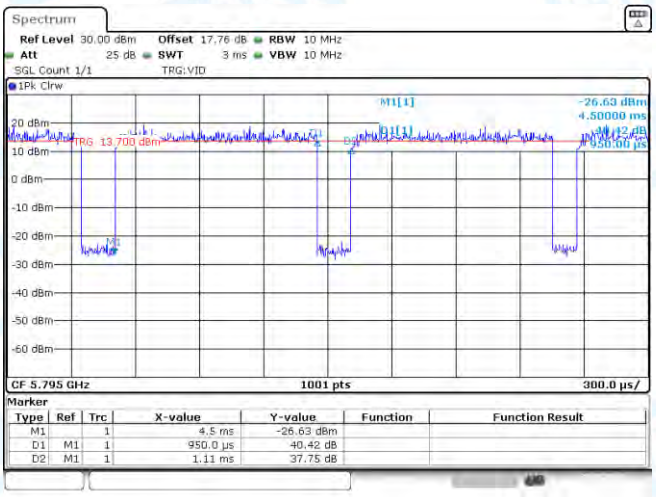
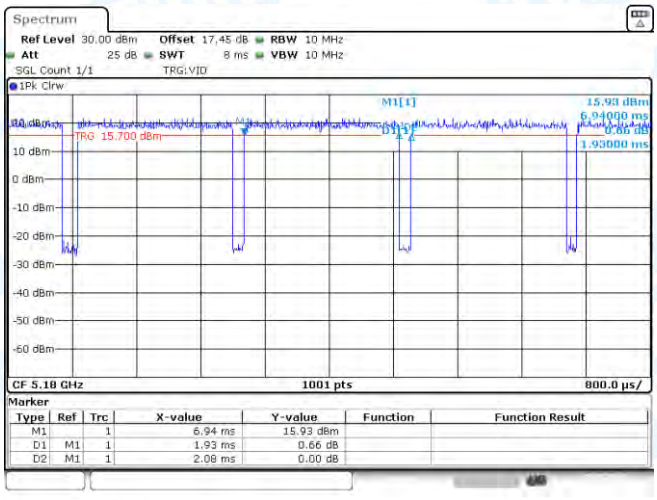
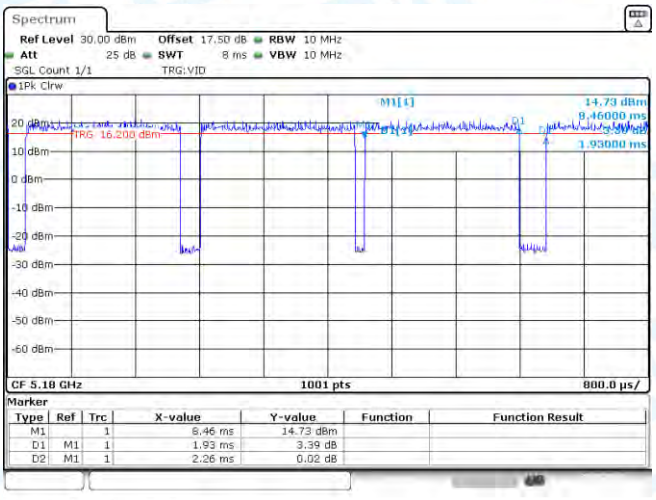


NTNV-11N40MIMO-Ant2-5795



NTNV-11AC20MIMO-Ant1-5180



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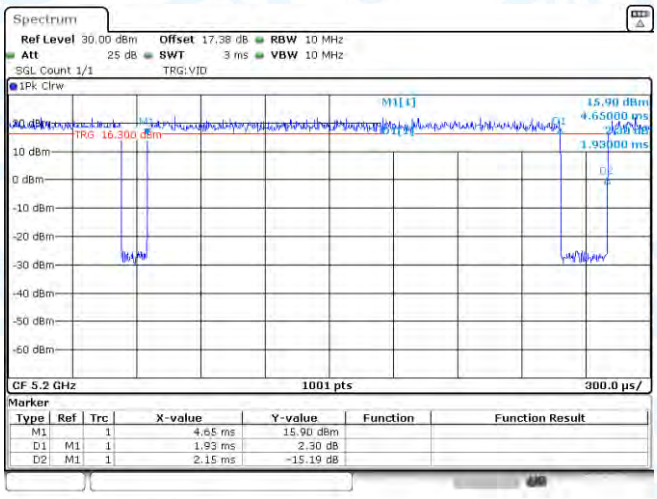

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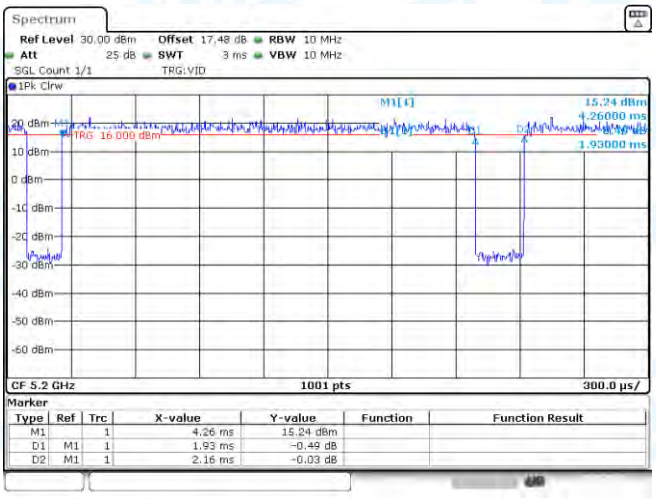

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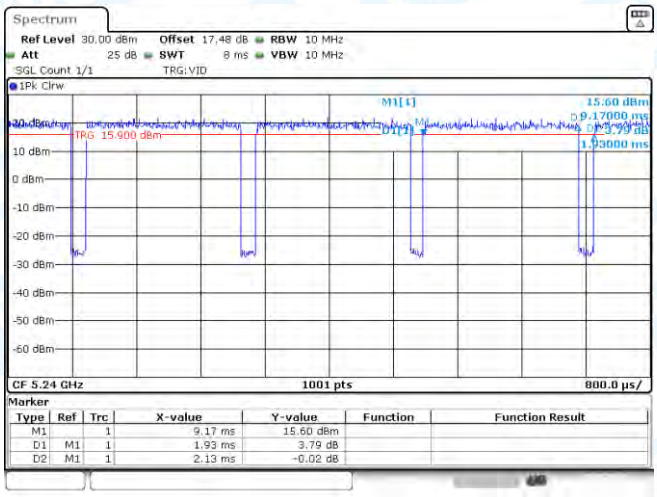
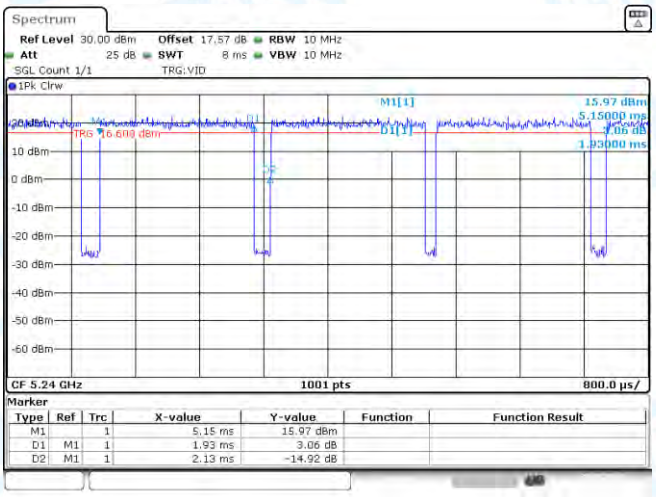


NTNV-11AC20MIMO-Ant1-5240



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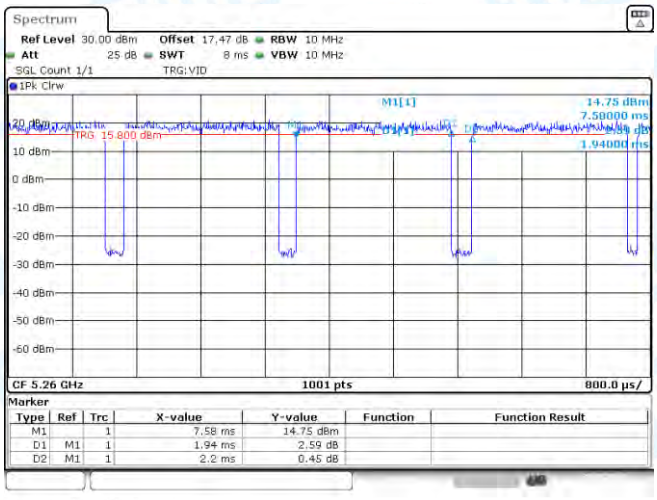

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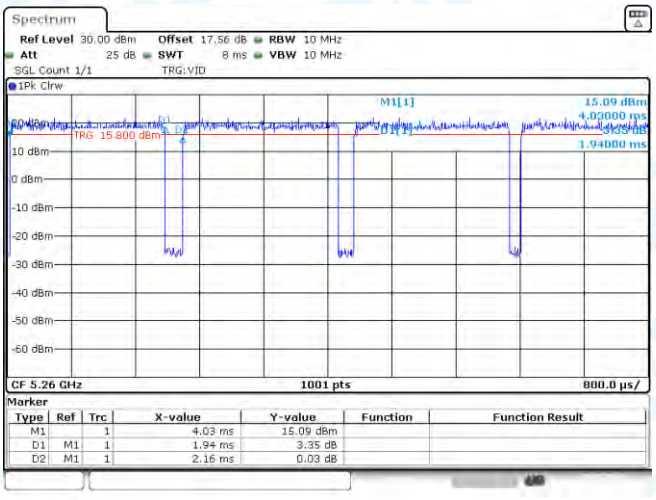
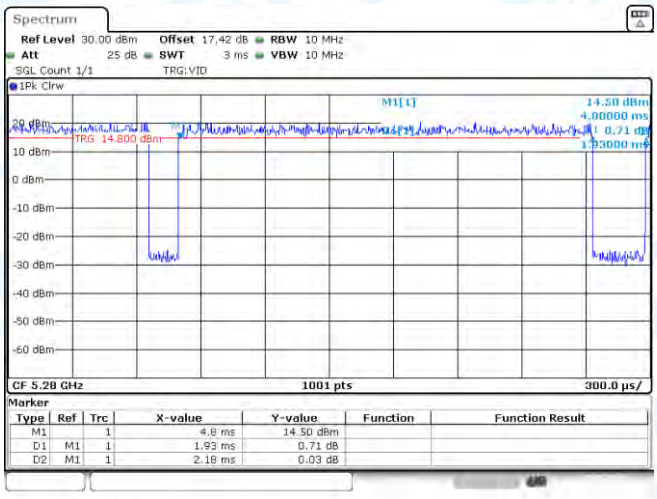
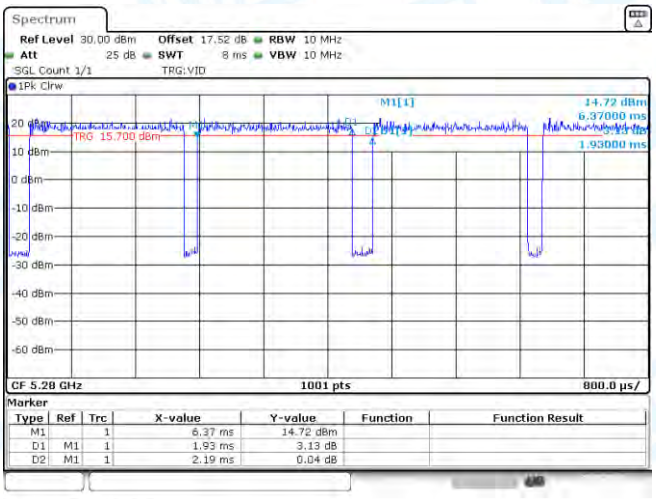


NTNV-11AC20MIMO-Ant2-5260



NTNV-11AC20MIMO-Ant1-5280



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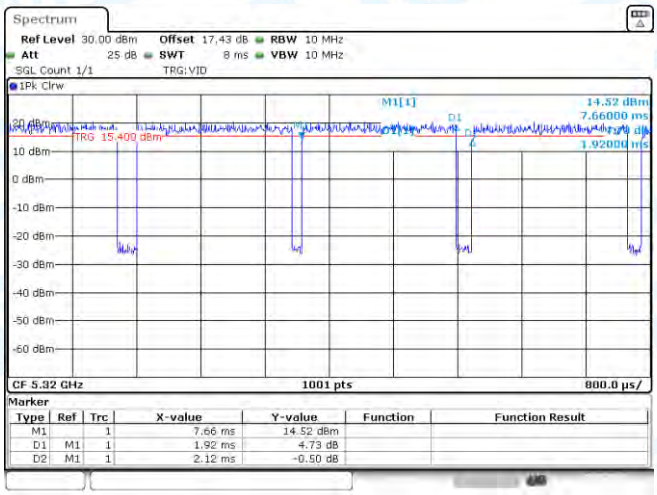

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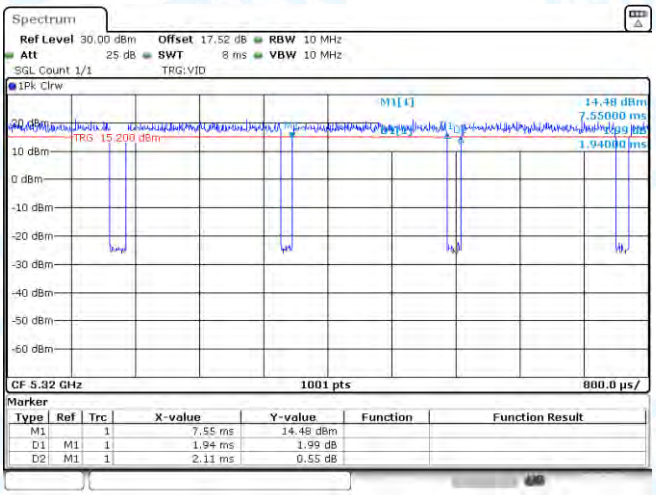

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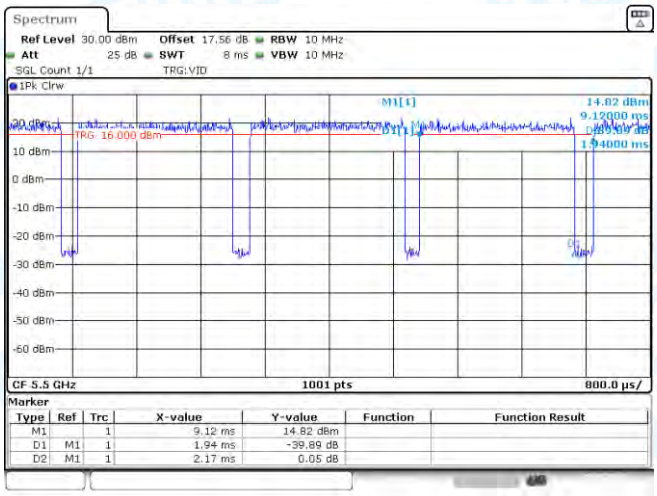

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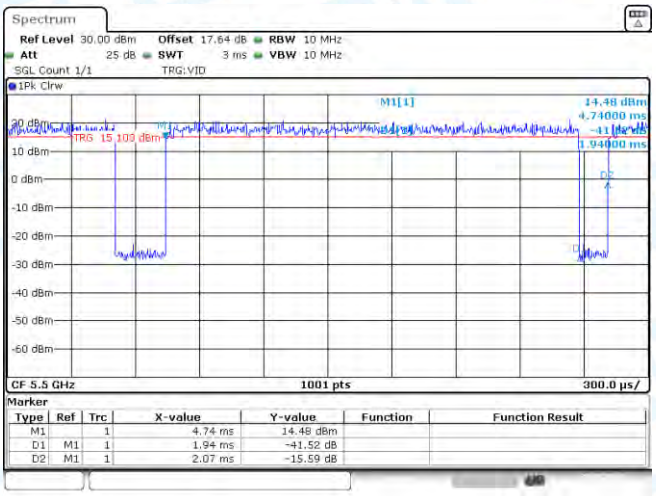

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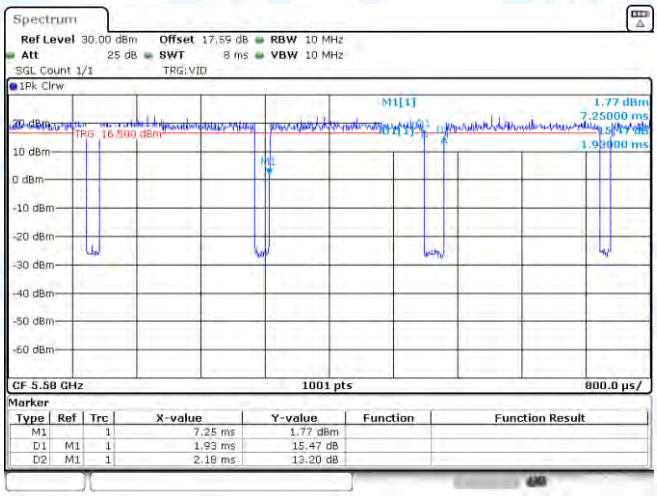

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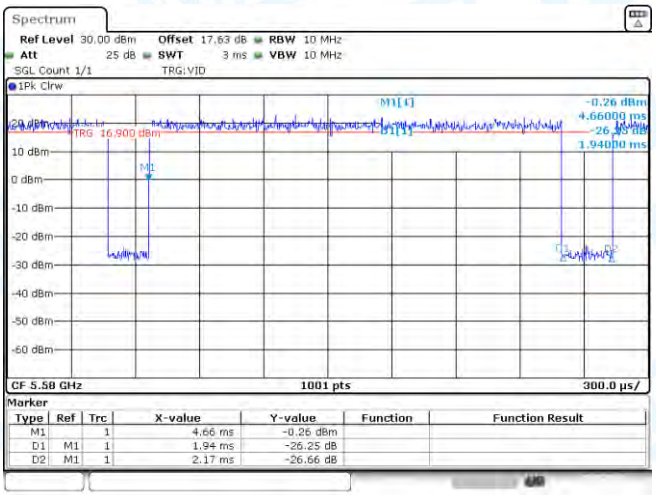

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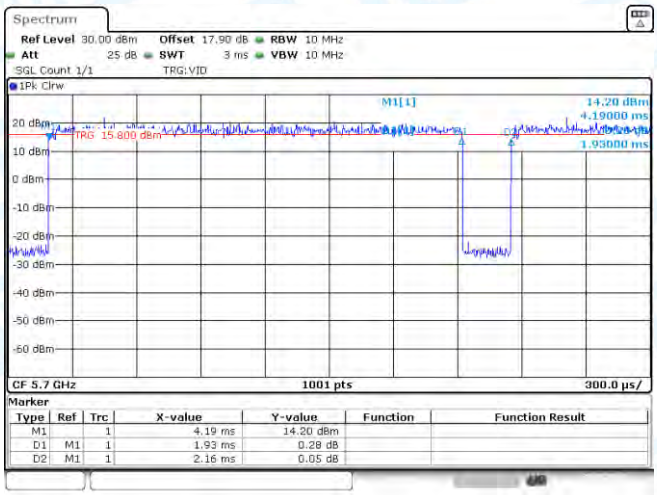

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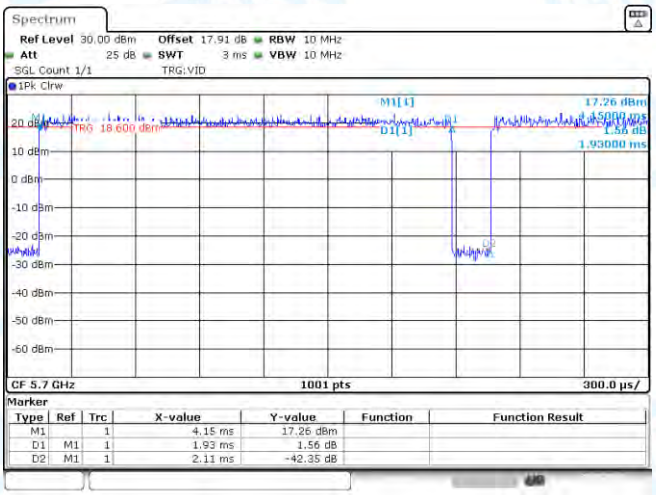

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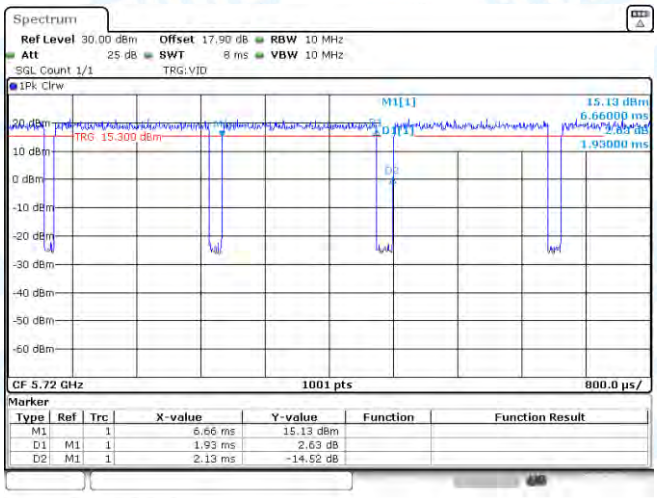

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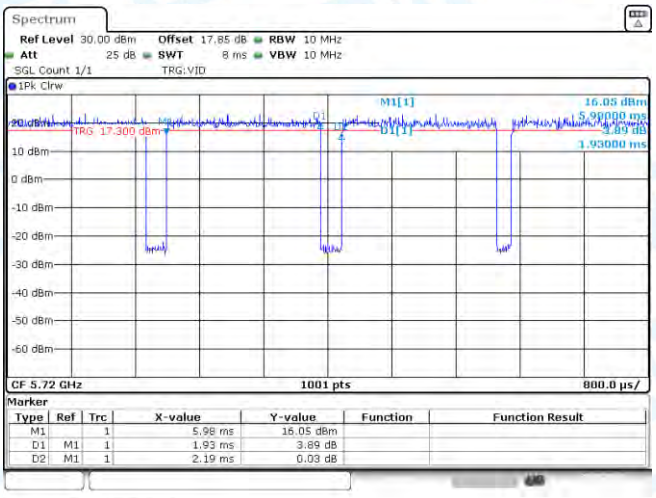

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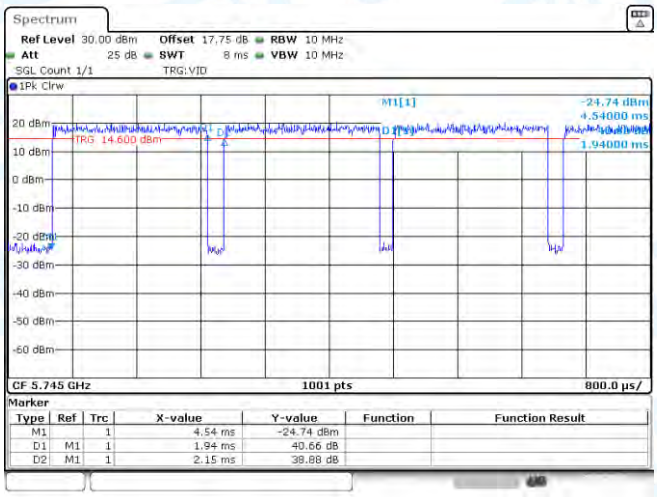

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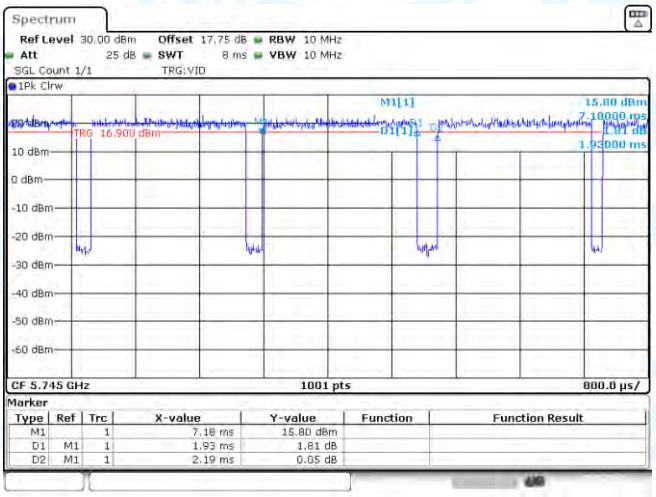

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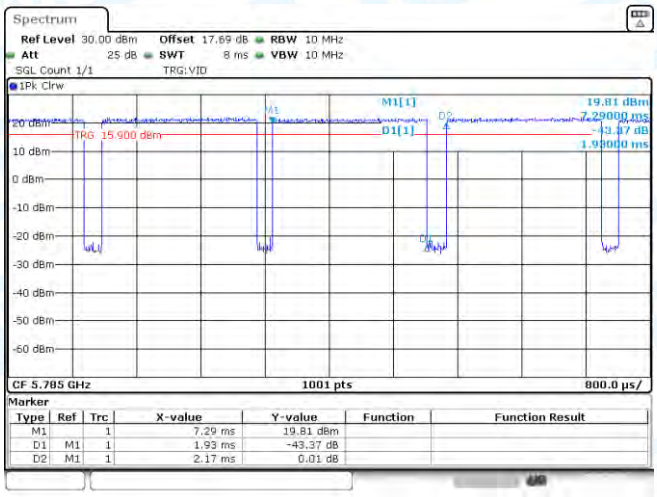

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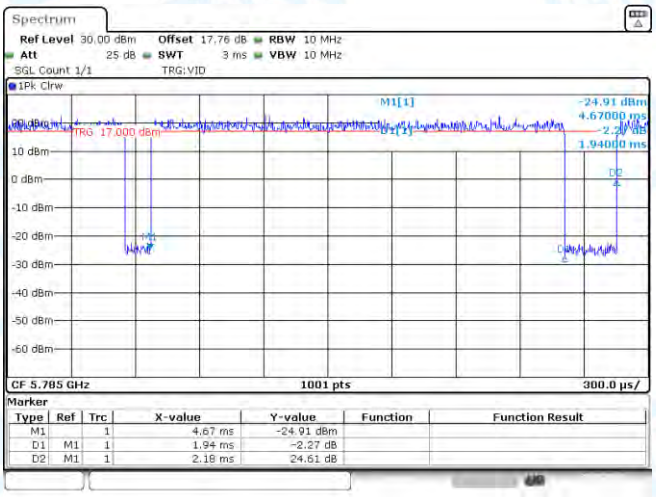

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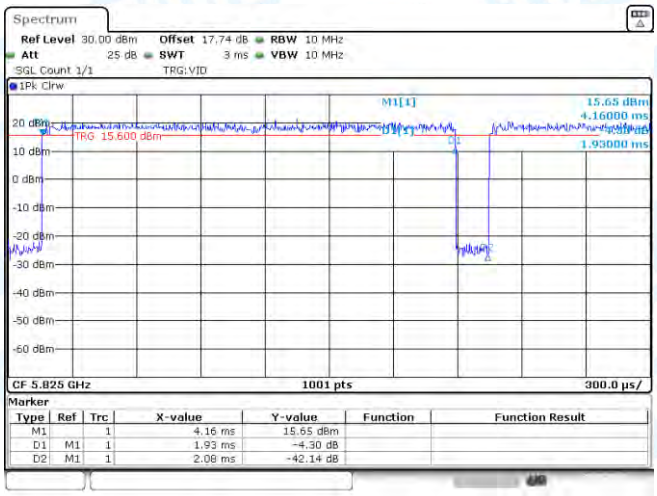

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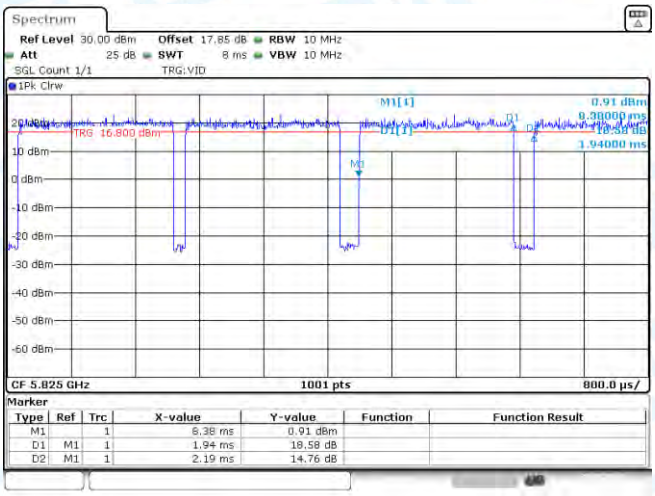

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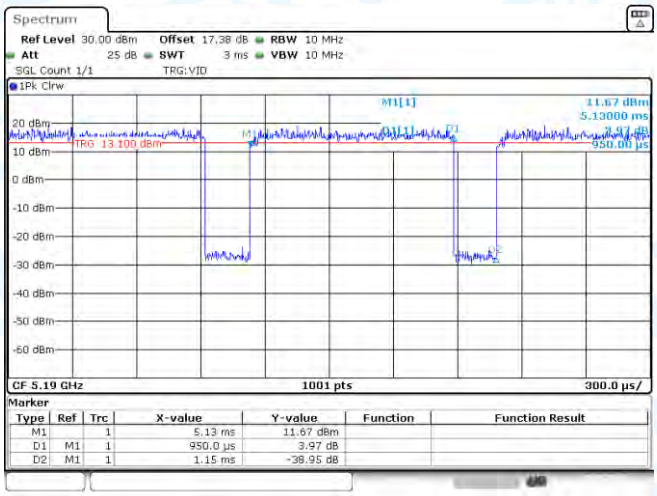

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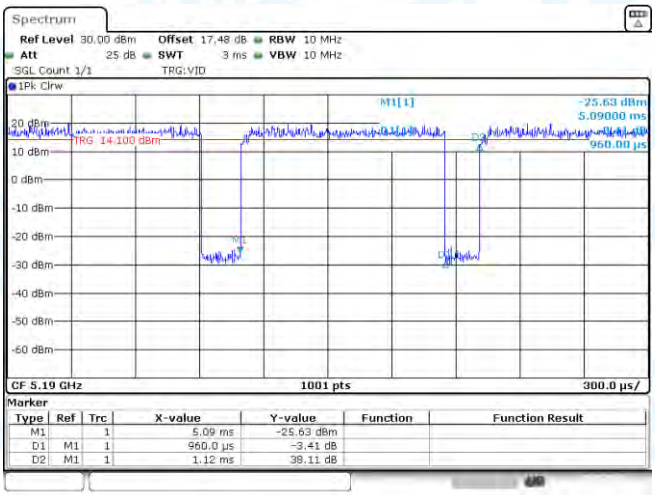

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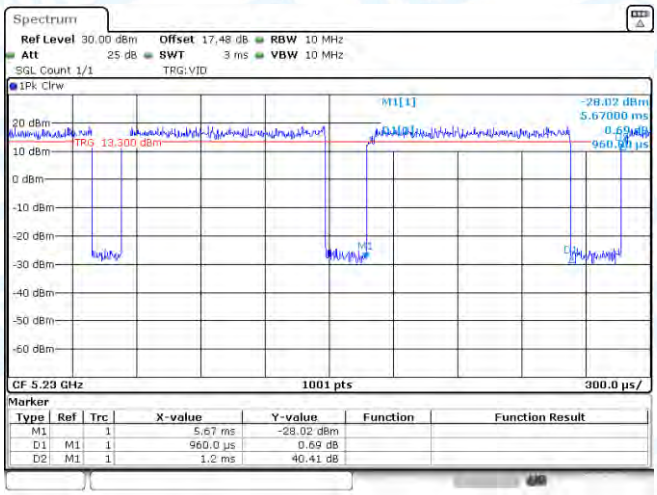

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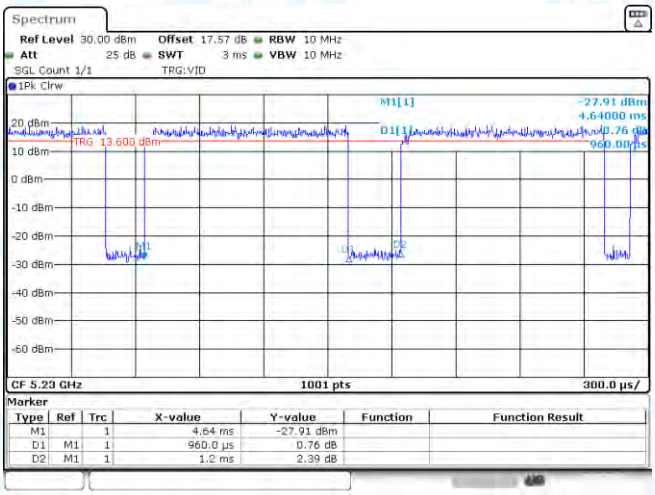

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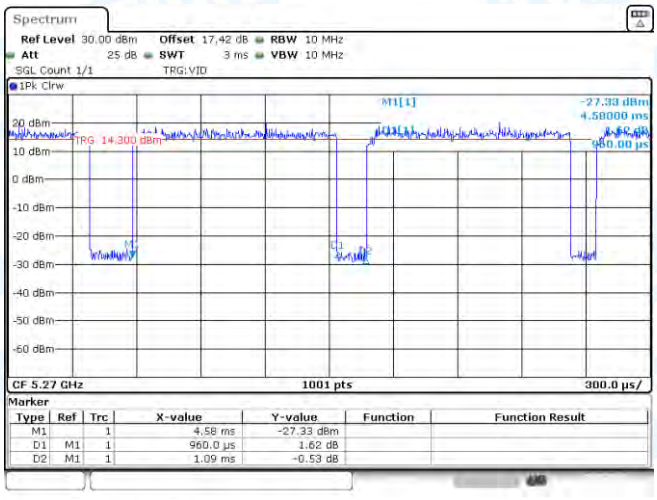

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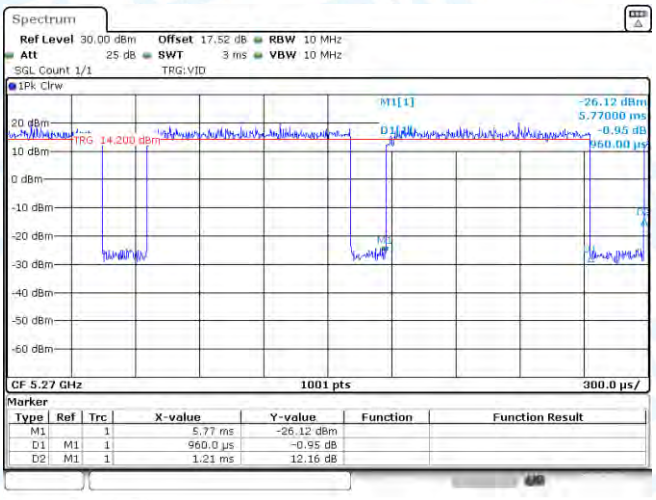

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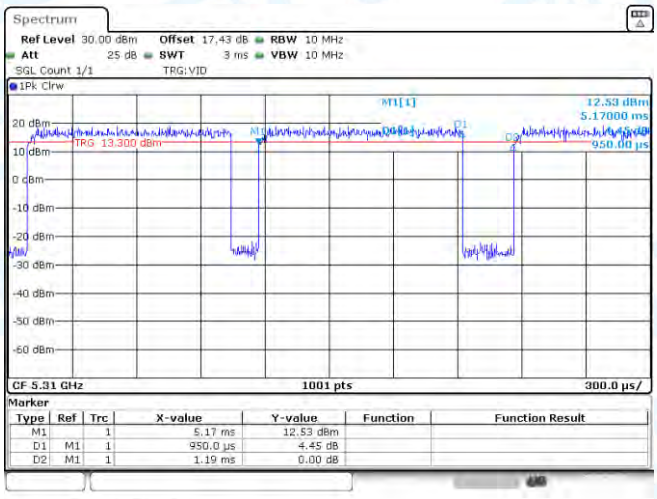

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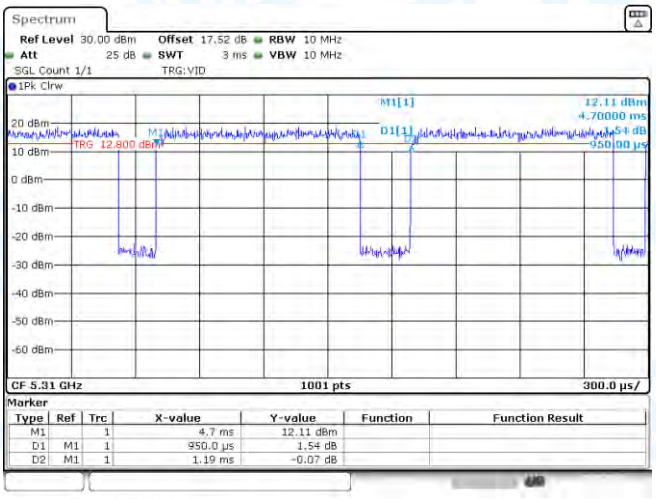

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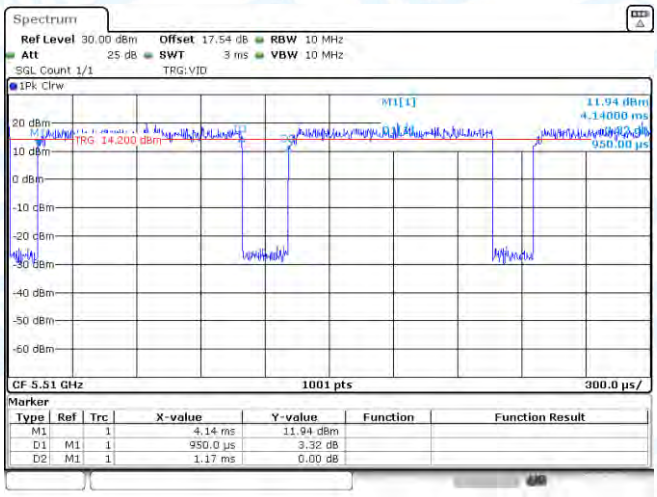
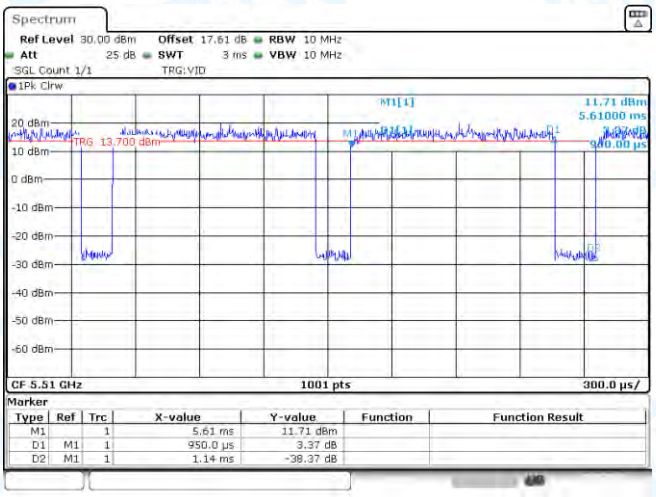


NTNV-11AC40MIMO-Ant1-5510



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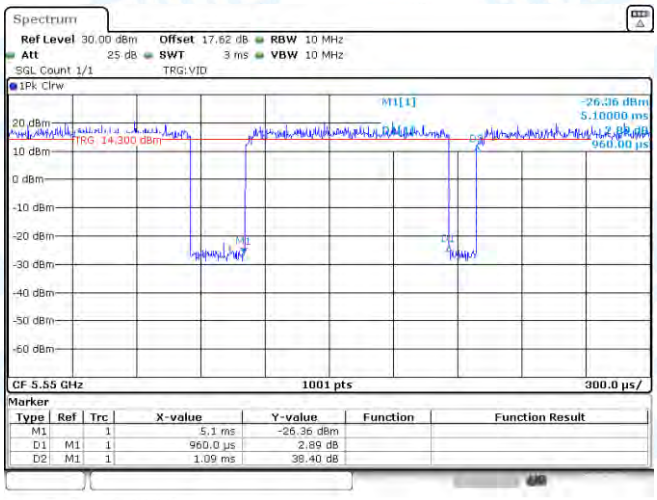

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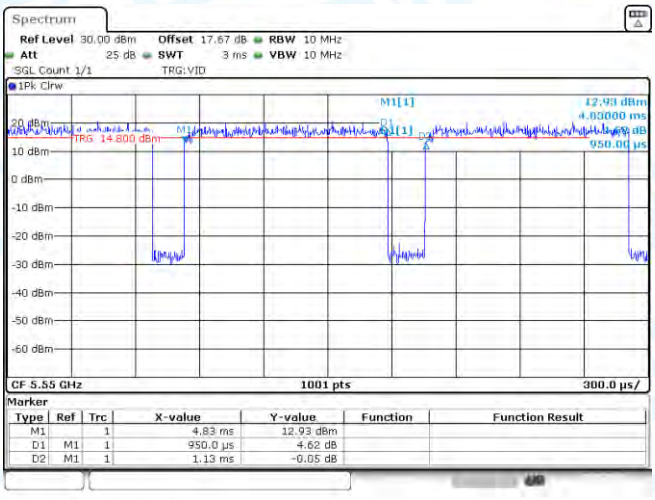

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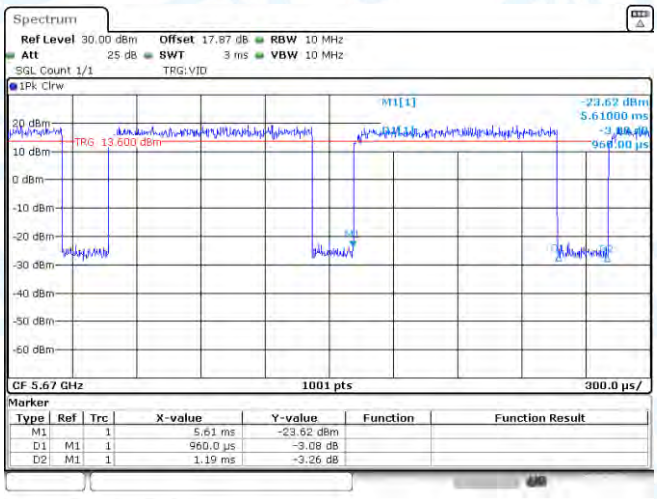
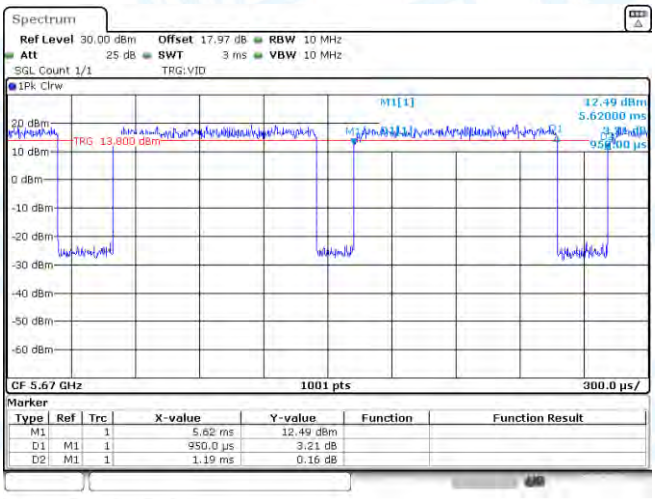
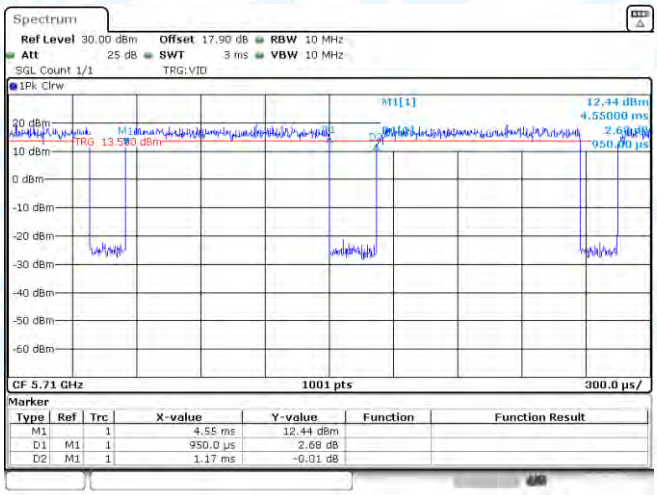


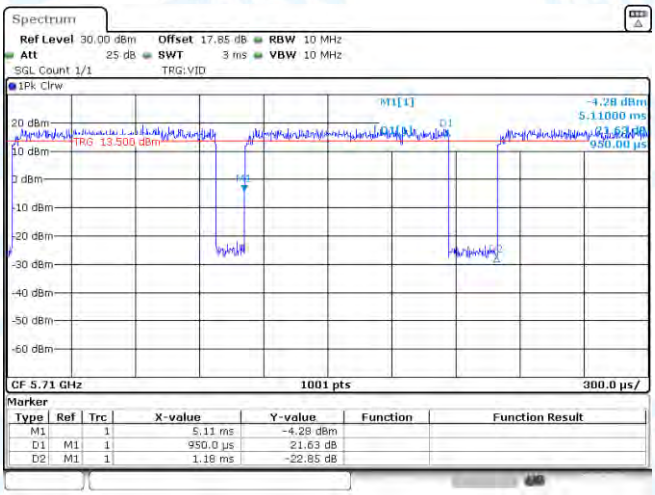
NTNV-11AC40MIMO-Ant1-5670



NTNV-11AC40MIMO-Ant2-5670



NTNV-11AC40MIMO-Ant1-5710



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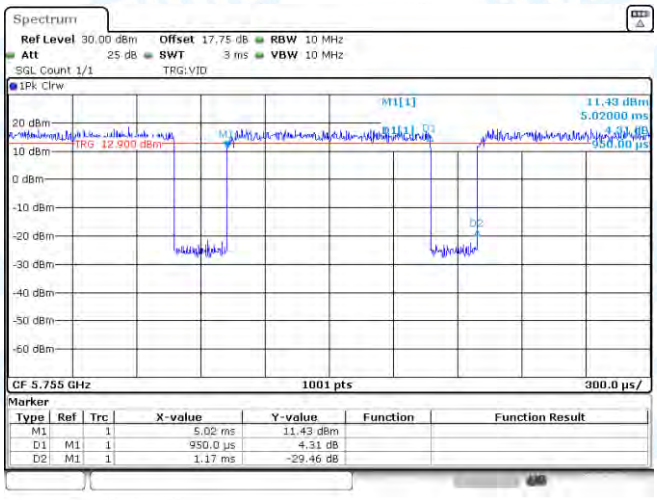

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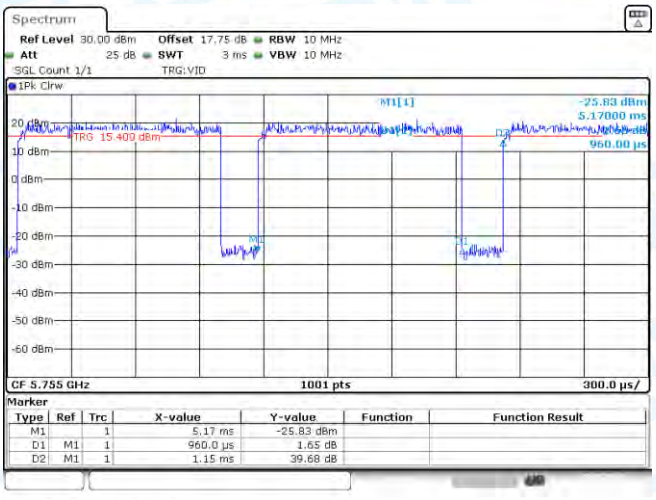
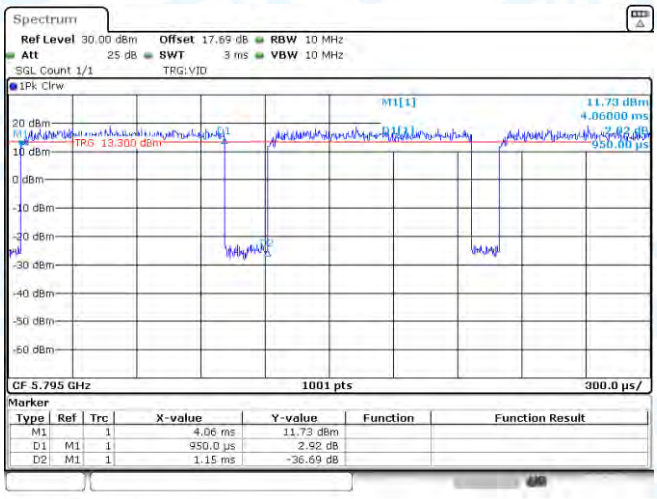
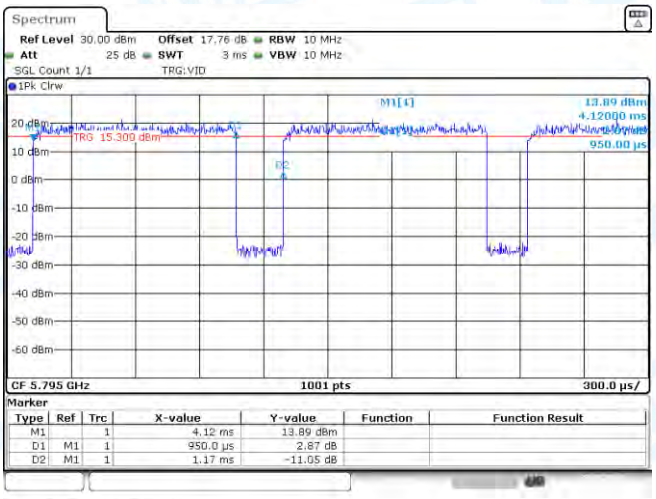


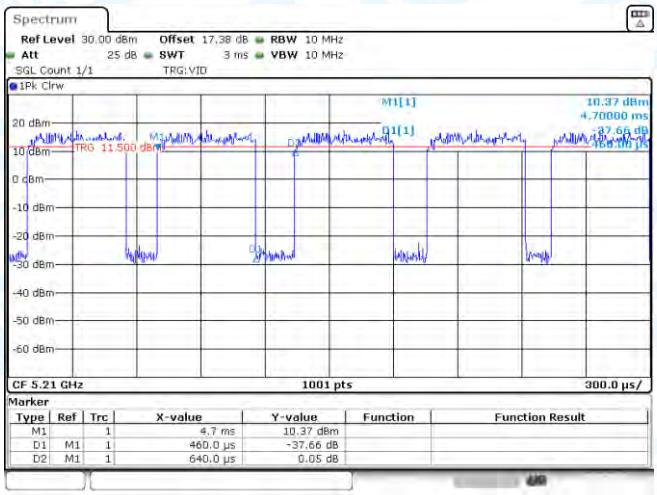
NTNV-11AC40MIMO-Ant2-5755



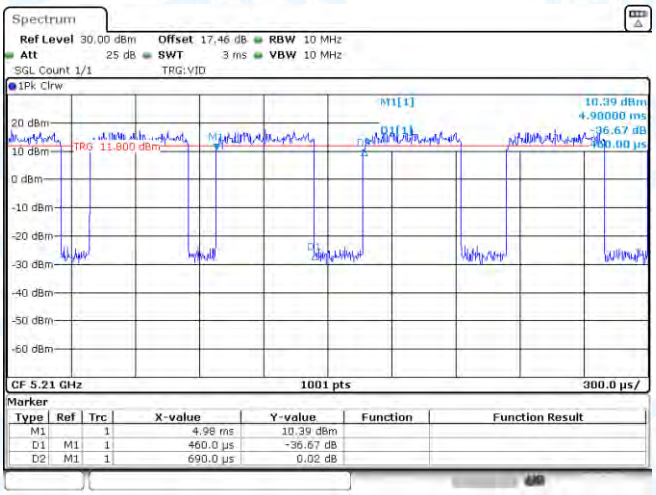
NTNV-11AC40MIMO-Ant1-5795



NTNV-11AC40MIMO-Ant2-5795

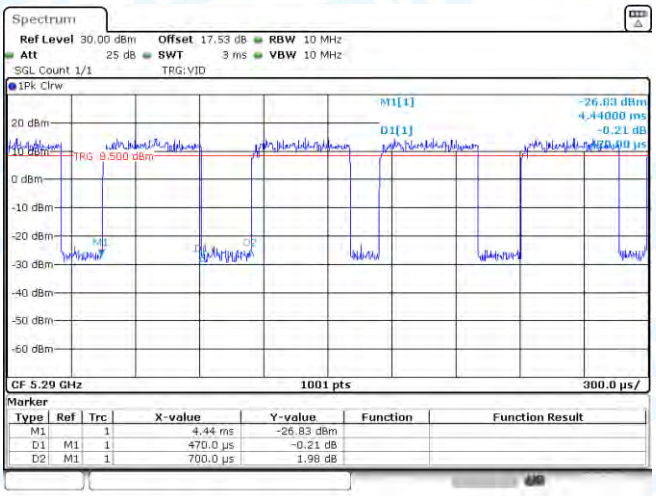


NTNV-11AC80MIMO-Ant1-5210



NTNV-11AC80MIMO-Ant2-5210

NTNV-11AC80MIMO-Ant1-5290



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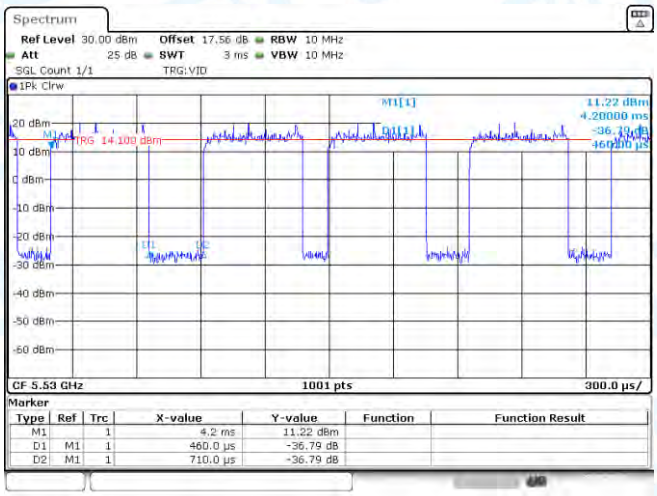
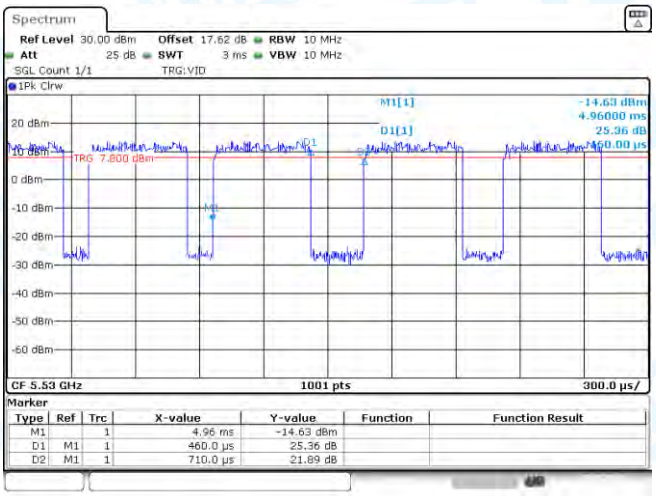
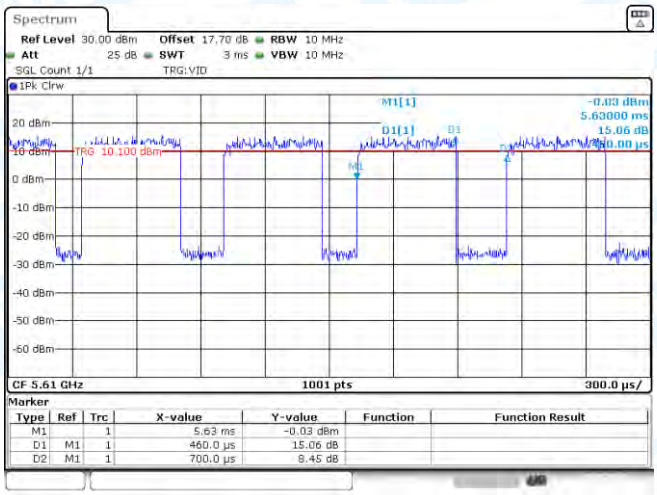


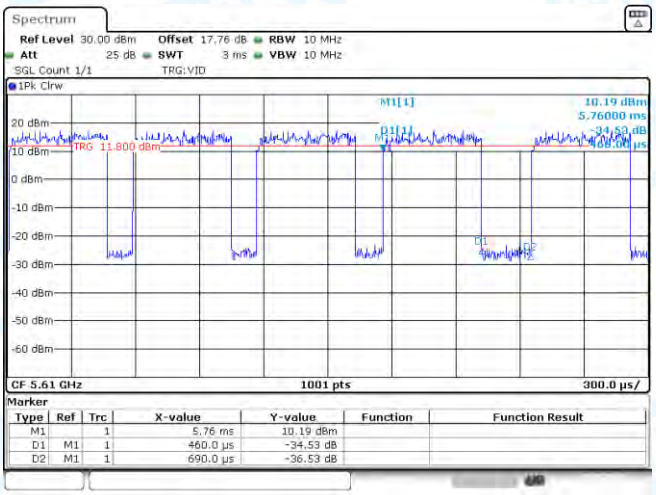
NTNV-11AC80MIMO-Ant1-5530



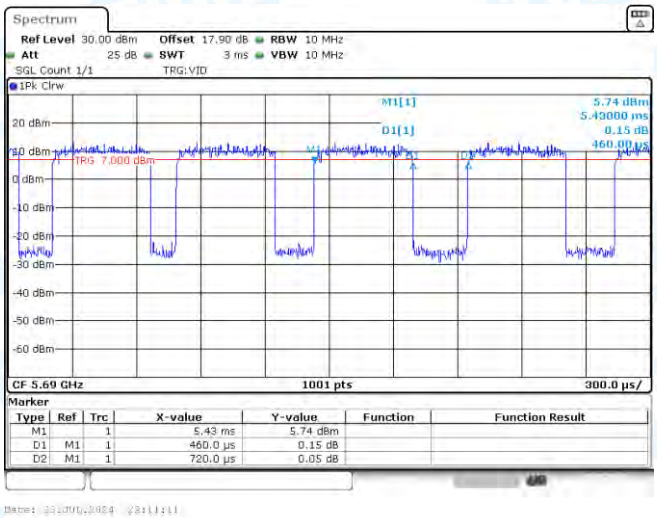
NTNV-11AC80MIMO-Ant2-5530



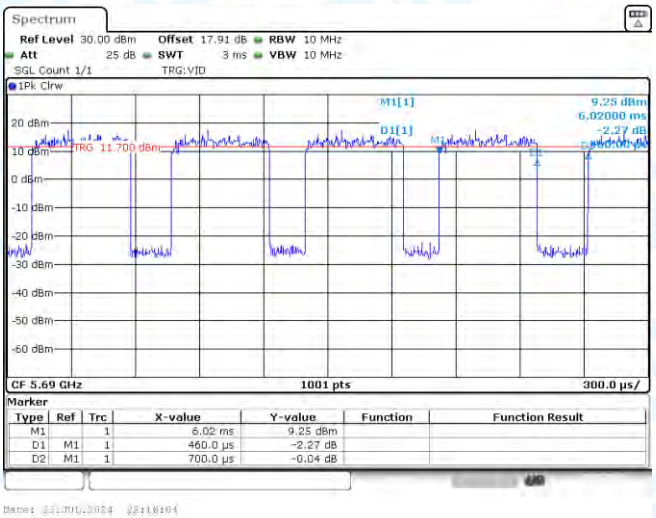
NTNV-11AC80MIMO-Ant1-5610



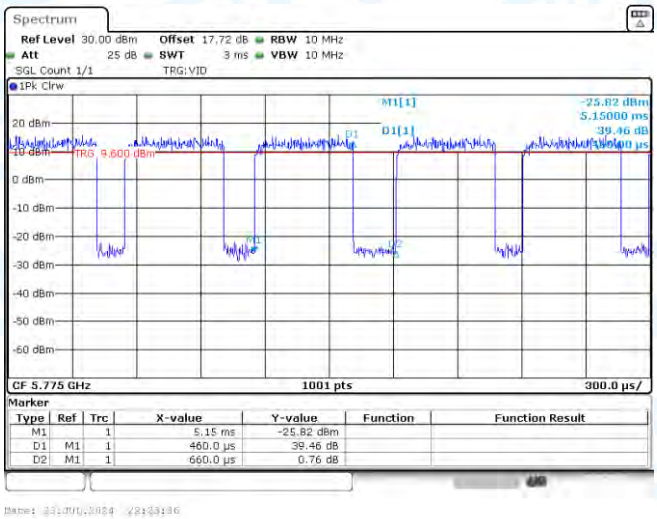
NTNV-11AC80MIMO-Ant2-5610



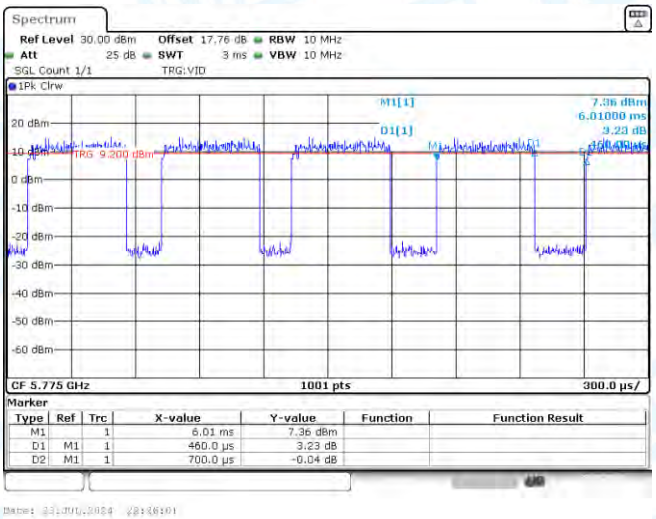
NTNV-11AC80MIMO-Ant1-5690



NTNV-11AC80MIMO-Ant2-5690



NTNV-11AC80MIMO-Ant1-5775



NTNV-11AC80MIMO-Ant2-5775

5: Maximum conducted output power

5.1 Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	14.21	≤24.00	PASS
11A	Ant2	5180	13.89	≤24.00	PASS
11A	Ant1	5200	14.61	≤24.00	PASS
11A	Ant2	5200	14.62	≤24.00	PASS
11A	Ant1	5240	14.24	≤24.00	PASS
11A	Ant2	5240	14.48	≤24.00	PASS
11A	Ant1	5260	13.80	≤24.00	PASS
11A	Ant2	5260	13.43	≤24.00	PASS
11A	Ant1	5280	13.68	≤24.00	PASS
11A	Ant2	5280	13.76	≤24.00	PASS
11A	Ant1	5320	14.06	≤24.00	PASS
11A	Ant2	5320	14.20	≤24.00	PASS
11A	Ant1	5500	13.77	≤24.00	PASS
11A	Ant2	5500	13.40	≤24.00	PASS
11A	Ant1	5580	13.45	≤24.00	PASS
11A	Ant2	5580	13.92	≤24.00	PASS
11A	Ant1	5700	13.97	≤24.00	PASS
11A	Ant2	5700	14.01	≤24.00	PASS
11A	Ant1	5720_UNII-2C	10.78	≤24.00	PASS
11A	Ant2	5720_UNII-2C	10.66	≤24.00	PASS
11A	Ant1	5720_UNII-3	4.61	≤30.00	PASS
11A	Ant2	5720_UNII-3	4.48	≤30.00	PASS
11A	Ant1	5745	18.55	≤30.00	PASS
11A	Ant2	5745	18.12	≤30.00	PASS
11A	Ant1	5785	18.50	≤30.00	PASS
11A	Ant2	5785	18.96	≤30.00	PASS
11A	Ant1	5825	18.52	≤30.00	PASS
11A	Ant2	5825	18.45	≤30.00	PASS
11N20MIMO	Ant1	5180	13.85	≤24.00	PASS
11N20MIMO	Ant2	5180	14.71	≤24.00	PASS
11N20MIMO	total	5180	17.31	≤22.88	PASS
11N20MIMO	Ant1	5200	13.98	≤24.00	PASS
11N20MIMO	Ant2	5200	14.18	≤24.00	PASS
11N20MIMO	total	5200	17.09	≤22.88	PASS
11N20MIMO	Ant1	5240	13.89	≤24.00	PASS
11N20MIMO	Ant2	5240	14.20	≤24.00	PASS
11N20MIMO	total	5240	17.06	≤22.88	PASS
11N20MIMO	Ant1	5260	13.18	≤24.00	PASS
11N20MIMO	Ant2	5260	13.17	≤24.00	PASS
11N20MIMO	total	5260	16.19	≤22.63	PASS
11N20MIMO	Ant1	5280	13.87	≤24.00	PASS
11N20MIMO	Ant2	5280	13.85	≤24.00	PASS
11N20MIMO	total	5280	16.87	≤22.63	PASS
11N20MIMO	Ant1	5320	13.44	≤24.00	PASS
11N20MIMO	Ant2	5320	12.50	≤24.00	PASS
11N20MIMO	total	5320	16.01	≤22.63	PASS
11N20MIMO	Ant1	5500	14.03	≤24.00	PASS
11N20MIMO	Ant2	5500	13.41	≤24.00	PASS
11N20MIMO	total	5500	16.74	≤22.33	PASS
11N20MIMO	Ant1	5580	13.86	≤24.00	PASS
11N20MIMO	Ant2	5580	14.51	≤24.00	PASS
11N20MIMO	total	5580	17.21	≤22.33	PASS
11N20MIMO	Ant1	5700	13.30	≤24.00	PASS

11N20MIMO	Ant2	5700	14.64	≤24.00	PASS
11N20MIMO	total	5700	17.03	≤22.33	PASS
11N20MIMO	Ant1	5720_UNII-2C	10.17	≤24.00	PASS
11N20MIMO	Ant2	5720_UNII-2C	11.48	≤24.00	PASS
11N20MIMO	total	5720_UNII-2C	13.88	≤22.33	PASS
11N20MIMO	Ant1	5720_UNII-3	4.57	≤30.00	PASS
11N20MIMO	Ant2	5720_UNII-3	5.72	≤30.00	PASS
11N20MIMO	total	5720_UNII-3	8.19	≤28.62	PASS
11N20MIMO	Ant1	5745	18.22	≤30.00	PASS
11N20MIMO	Ant2	5745	18.97	≤30.00	PASS
11N20MIMO	total	5745	21.62	≤28.62	PASS
11N20MIMO	Ant1	5785	18.92	≤30.00	PASS
11N20MIMO	Ant2	5785	18.38	≤30.00	PASS
11N20MIMO	total	5785	21.67	≤28.62	PASS
11N20MIMO	Ant1	5825	18.77	≤30.00	PASS
11N20MIMO	Ant2	5825	18.19	≤30.00	PASS
11N20MIMO	total	5825	21.50	≤28.62	PASS
11N40MIMO	Ant1	5190	14.15	≤24.00	PASS
11N40MIMO	Ant2	5190	14.26	≤24.00	PASS
11N40MIMO	total	5190	17.22	≤22.88	PASS
11N40MIMO	Ant1	5230	14.17	≤24.00	PASS
11N40MIMO	Ant2	5230	14.76	≤24.00	PASS
11N40MIMO	total	5230	17.49	≤22.88	PASS
11N40MIMO	Ant1	5270	13.88	≤24.00	PASS
11N40MIMO	Ant2	5270	14.37	≤24.00	PASS
11N40MIMO	total	5270	17.14	≤22.63	PASS
11N40MIMO	Ant1	5310	14.88	≤24.00	PASS
11N40MIMO	Ant2	5310	14.39	≤24.00	PASS
11N40MIMO	total	5310	17.65	≤22.63	PASS
11N40MIMO	Ant1	5510	14.31	≤24.00	PASS
11N40MIMO	Ant2	5510	14.33	≤24.00	PASS
11N40MIMO	total	5510	17.33	≤22.33	PASS
11N40MIMO	Ant1	5550	14.13	≤24.00	PASS
11N40MIMO	Ant2	5550	15.41	≤24.00	PASS
11N40MIMO	total	5550	17.83	≤22.33	PASS
11N40MIMO	Ant1	5670	14.56	≤24.00	PASS
11N40MIMO	Ant2	5670	14.41	≤24.00	PASS
11N40MIMO	total	5670	17.50	≤22.33	PASS
11N40MIMO	Ant1	5710_UNII-2C	10.33	≤24.00	PASS
11N40MIMO	Ant2	5710_UNII-2C	9.87	≤24.00	PASS
11N40MIMO	total	5710_UNII-2C	13.12	≤22.33	PASS
11N40MIMO	Ant1	5710_UNII-3	-0.01	≤30.00	PASS
11N40MIMO	Ant2	5710_UNII-3	-1.39	≤30.00	PASS
11N40MIMO	total	5710_UNII-3	2.36	≤28.62	PASS
11N40MIMO	Ant1	5755	18.18	≤30.00	PASS
11N40MIMO	Ant2	5755	18.89	≤30.00	PASS
11N40MIMO	total	5755	21.56	≤28.62	PASS
11N40MIMO	Ant1	5795	18.86	≤30.00	PASS
11N40MIMO	Ant2	5795	18.01	≤30.00	PASS
11N40MIMO	total	5795	21.47	≤28.62	PASS
11AC20MIMO	Ant1	5180	14.32	≤24.00	PASS
11AC20MIMO	Ant2	5180	14.17	≤24.00	PASS
11AC20MIMO	total	5180	17.26	≤22.88	PASS
11AC20MIMO	Ant1	5200	14.54	≤24.00	PASS
11AC20MIMO	Ant2	5200	14.79	≤24.00	PASS
11AC20MIMO	total	5200	17.68	≤22.88	PASS
11AC20MIMO	Ant1	5240	14.18	≤24.00	PASS
11AC20MIMO	Ant2	5240	14.77	≤24.00	PASS
11AC20MIMO	total	5240	17.50	≤22.88	PASS

11AC20MIMO	Ant1	5260	14.08	≤24.00	PASS
11AC20MIMO	Ant2	5260	14.03	≤24.00	PASS
11AC20MIMO	total	5260	17.07	≤22.63	PASS
11AC20MIMO	Ant1	5280	14.43	≤24.00	PASS
11AC20MIMO	Ant2	5280	14.03	≤24.00	PASS
11AC20MIMO	total	5280	17.24	≤22.63	PASS
11AC20MIMO	Ant1	5320	14.63	≤24.00	PASS
11AC20MIMO	Ant2	5320	13.98	≤24.00	PASS
11AC20MIMO	total	5320	17.33	≤22.63	PASS
11AC20MIMO	Ant1	5500	13.80	≤24.00	PASS
11AC20MIMO	Ant2	5500	14.59	≤24.00	PASS
11AC20MIMO	total	5500	17.22	≤22.33	PASS
11AC20MIMO	Ant1	5580	13.89	≤24.00	PASS
11AC20MIMO	Ant2	5580	14.95	≤24.00	PASS
11AC20MIMO	total	5580	17.46	≤22.33	PASS
11AC20MIMO	Ant1	5700	14.35	≤24.00	PASS
11AC20MIMO	Ant2	5700	14.55	≤24.00	PASS
11AC20MIMO	total	5700	17.46	≤22.33	PASS
11AC20MIMO	Ant1	5720_UNII-2C	10.80	≤24.00	PASS
11AC20MIMO	Ant2	5720_UNII-2C	10.36	≤24.00	PASS
11AC20MIMO	total	5720_UNII-2C	13.60	≤22.33	PASS
11AC20MIMO	Ant1	5720_UNII-3	5.29	≤30.00	PASS
11AC20MIMO	Ant2	5720_UNII-3	4.11	≤30.00	PASS
11AC20MIMO	total	5720_UNII-3	7.75	≤28.62	PASS
11AC20MIMO	Ant1	5745	17.20	≤30.00	PASS
11AC20MIMO	Ant2	5745	18.07	≤30.00	PASS
11AC20MIMO	total	5745	20.67	≤28.62	PASS
11AC20MIMO	Ant1	5785	17.88	≤30.00	PASS
11AC20MIMO	Ant2	5785	17.60	≤30.00	PASS
11AC20MIMO	total	5785	20.75	≤28.62	PASS
11AC20MIMO	Ant1	5825	18.34	≤30.00	PASS
11AC20MIMO	Ant2	5825	17.44	≤30.00	PASS
11AC20MIMO	total	5825	20.92	≤28.62	PASS
11AC40MIMO	Ant1	5190	14.61	≤24.00	PASS
11AC40MIMO	Ant2	5190	14.28	≤24.00	PASS
11AC40MIMO	total	5190	17.46	≤22.88	PASS
11AC40MIMO	Ant1	5230	14.37	≤24.00	PASS
11AC40MIMO	Ant2	5230	14.80	≤24.00	PASS
11AC40MIMO	total	5230	17.60	≤22.88	PASS
11AC40MIMO	Ant1	5270	13.90	≤24.00	PASS
11AC40MIMO	Ant2	5270	14.46	≤24.00	PASS
11AC40MIMO	total	5270	17.20	≤22.63	PASS
11AC40MIMO	Ant1	5310	14.95	≤24.00	PASS
11AC40MIMO	Ant2	5310	14.52	≤24.00	PASS
11AC40MIMO	total	5310	17.75	≤22.63	PASS
11AC40MIMO	Ant1	5510	14.16	≤24.00	PASS
11AC40MIMO	Ant2	5510	14.22	≤24.00	PASS
11AC40MIMO	total	5510	17.20	≤22.33	PASS
11AC40MIMO	Ant1	5550	14.88	≤24.00	PASS
11AC40MIMO	Ant2	5550	13.46	≤24.00	PASS
11AC40MIMO	total	5550	17.24	≤22.33	PASS
11AC40MIMO	Ant1	5670	14.63	≤24.00	PASS
11AC40MIMO	Ant2	5670	14.79	≤24.00	PASS
11AC40MIMO	total	5670	17.72	≤22.33	PASS
11AC40MIMO	Ant1	5710_UNII-2C	9.85	≤24.00	PASS
11AC40MIMO	Ant2	5710_UNII-2C	9.61	≤24.00	PASS
11AC40MIMO	total	5710_UNII-2C	12.74	≤22.33	PASS
11AC40MIMO	Ant1	5710_UNII-3	-0.58	≤30.00	PASS
11AC40MIMO	Ant2	5710_UNII-3	-1.50	≤30.00	PASS

11AC40MIMO	total	5710_UNII-3	1.99	≤28.62	PASS
11AC40MIMO	Ant1	5755	17.77	≤30.00	PASS
11AC40MIMO	Ant2	5755	18.16	≤30.00	PASS
11AC40MIMO	total	5755	20.98	≤28.62	PASS
11AC40MIMO	Ant1	5795	17.46	≤30.00	PASS
11AC40MIMO	Ant2	5795	17.94	≤30.00	PASS
11AC40MIMO	total	5795	20.72	≤28.62	PASS
11AC80MIMO	Ant1	5210	14.80	≤24.00	PASS
11AC80MIMO	Ant2	5210	14.90	≤24.00	PASS
11AC80MIMO	total	5210	17.86	≤22.88	PASS
11AC80MIMO	Ant1	5290	14.38	≤24.00	PASS
11AC80MIMO	Ant2	5290	14.21	≤24.00	PASS
11AC80MIMO	total	5290	17.31	≤22.63	PASS
11AC80MIMO	Ant1	5530	14.38	≤24.00	PASS
11AC80MIMO	Ant2	5530	13.73	≤24.00	PASS
11AC80MIMO	total	5530	17.08	≤22.33	PASS
11AC80MIMO	Ant1	5610	14.42	≤24.00	PASS
11AC80MIMO	Ant2	5610	14.85	≤24.00	PASS
11AC80MIMO	total	5610	17.65	≤22.33	PASS
11AC80MIMO	Ant1	5690_UNII-2C	7.75	≤24.00	PASS
11AC80MIMO	Ant2	5690_UNII-2C	8.19	≤24.00	PASS
11AC80MIMO	total	5690_UNII-2C	10.99	≤22.33	PASS
11AC80MIMO	Ant1	5690_UNII-3	-5.06	≤30.00	PASS
11AC80MIMO	Ant2	5690_UNII-3	-4.75	≤30.00	PASS
11AC80MIMO	total	5690_UNII-3	-1.89	≤28.62	PASS
11AC80MIMO	Ant1	5775	14.28	≤30.00	PASS
11AC80MIMO	Ant2	5775	14.56	≤30.00	PASS
11AC80MIMO	total	5775	17.43	≤28.62	PASS

Note: 1, For MIMO Mode, Directional gain = Gain+10*$\log_{10}(2)$=Gain+3.01

Directional Gain =7.12dBi＞6dBi. For U-NII-1
Directional Gain =7.37dBi＞6dBi. For U-NII-2A
Directional Gain =7.67dBi＞6dBi. For U-NII-2C
Directional Gain =7.38dBi＞6dBi. For U-NII-3
So Pout = Plimit-(G_{TX}-6)]=(24.00-1.12)dBm =22.88dBm For U-NII-1: 5180MHz-5260MHz
So Pout = Plimit-(G_{TX}-6)]=(24.00-1.37)dBm =22.63dBm For U-NII-2A: 5260MHz-5320MHz
So Pout = Plimit-(G_{TX}-6)]=(24.00-1.67)dBm=22.33dBm For U-NII-2C: 5500MHz-5720MHz
So Pout = Plimit-(G_{TX}-6)]=(30.00-1.38)dBm=28.62dBm For U-NII-3: 5745MHz-5825MHz

2, The Duty Cycle Factor is compensated in the graph.

6: Maximum power spectral density

6.1 Test Result

Test Mode	Ant.	Frequency [MHz]	Result [dBm/MHz] Result [dBm/500kHz]	Limit[dBm/MHz] Limit[dBm/500kHz]	Verdict
11A	Ant1	5180	3.60	≤11.00	PASS
11A	Ant2	5180	2.91	≤11.00	PASS
11A	Ant1	5200	3.82	≤11.00	PASS
11A	Ant2	5200	3.83	≤11.00	PASS
11A	Ant1	5240	3.50	≤11.00	PASS
11A	Ant2	5240	3.79	≤11.00	PASS
11A	Ant1	5260	2.81	≤11.00	PASS
11A	Ant2	5260	2.62	≤11.00	PASS
11A	Ant1	5280	2.66	≤11.00	PASS
11A	Ant2	5280	2.51	≤11.00	PASS
11A	Ant1	5320	3.27	≤11.00	PASS
11A	Ant2	5320	3.27	≤11.00	PASS
11A	Ant1	5500	3.11	≤11.00	PASS
11A	Ant2	5500	2.59	≤11.00	PASS
11A	Ant1	5580	2.77	≤11.00	PASS
11A	Ant2	5580	3.19	≤11.00	PASS
11A	Ant1	5700	3.50	≤11.00	PASS
11A	Ant2	5700	3.43	≤11.00	PASS
11A	Ant1	5720_UNII-2C	3.61	≤11.00	PASS
11A	Ant2	5720_UNII-2C	3.16	≤11.00	PASS
11A	Ant1	5720_UNII-3	0.20	≤30.00	PASS
11A	Ant2	5720_UNII-3	-0.42	≤30.00	PASS
11A	Ant1	5745	4.67	≤30.00	PASS
11A	Ant2	5745	4.17	≤30.00	PASS
11A	Ant1	5785	4.56	≤30.00	PASS
11A	Ant2	5785	4.94	≤30.00	PASS
11A	Ant1	5825	4.55	≤30.00	PASS
11A	Ant2	5825	4.47	≤30.00	PASS
11N20MIMO	Ant1	5180	2.81	≤11.00	PASS
11N20MIMO	Ant2	5180	3.02	≤11.00	PASS
11N20MIMO	total	5180	5.93	≤9.88	PASS
11N20MIMO	Ant1	5200	2.89	≤11.00	PASS
11N20MIMO	Ant2	5200	2.79	≤11.00	PASS
11N20MIMO	total	5200	5.85	≤9.88	PASS
11N20MIMO	Ant1	5240	2.53	≤11.00	PASS
11N20MIMO	Ant2	5240	3.09	≤11.00	PASS
11N20MIMO	total	5240	5.83	≤9.88	PASS
11N20MIMO	Ant1	5260	1.94	≤11.00	PASS
11N20MIMO	Ant2	5260	1.80	≤11.00	PASS
11N20MIMO	total	5260	4.88	≤9.63	PASS
11N20MIMO	Ant1	5280	2.62	≤11.00	PASS
11N20MIMO	Ant2	5280	2.30	≤11.00	PASS
11N20MIMO	total	5280	5.47	≤9.63	PASS
11N20MIMO	Ant1	5320	2.15	≤11.00	PASS
11N20MIMO	Ant2	5320	1.38	≤11.00	PASS
11N20MIMO	total	5320	4.79	≤9.63	PASS
11N20MIMO	Ant1	5500	2.76	≤11.00	PASS
11N20MIMO	Ant2	5500	2.13	≤11.00	PASS
11N20MIMO	total	5500	5.47	≤9.33	PASS
11N20MIMO	Ant1	5580	2.66	≤11.00	PASS
11N20MIMO	Ant2	5580	3.10	≤11.00	PASS
11N20MIMO	total	5580	5.90	≤9.33	PASS