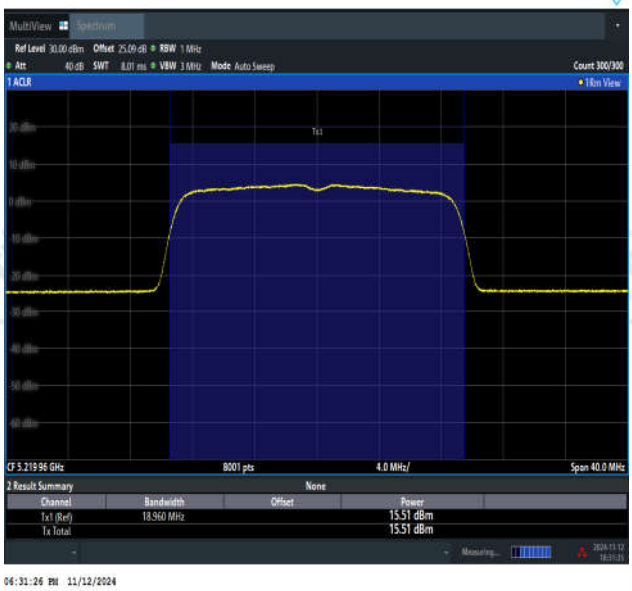
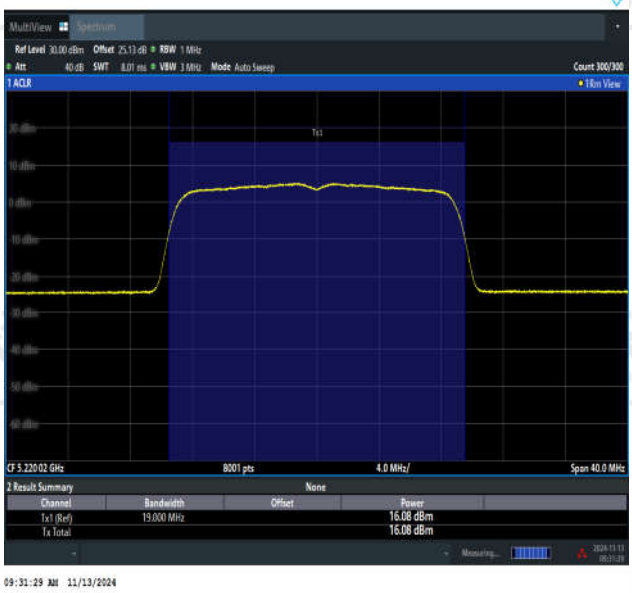
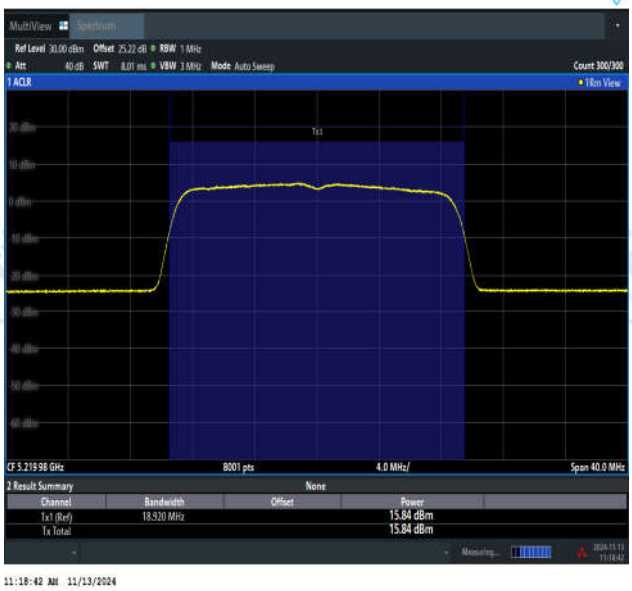


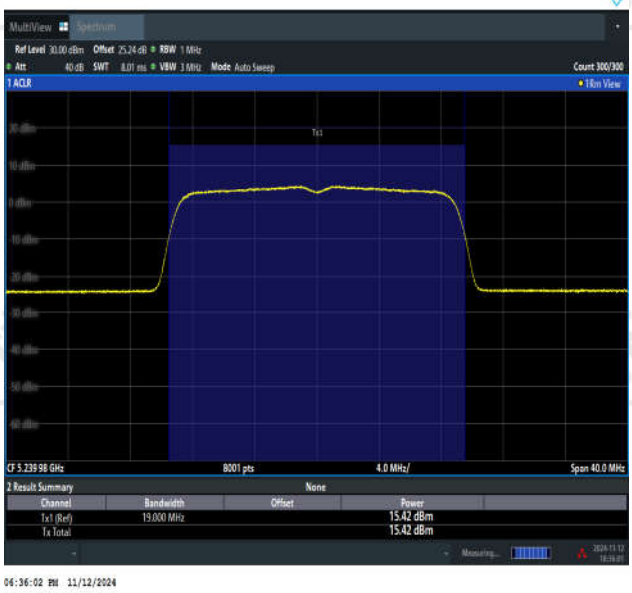
11AC20SISO-Ant1-5220-PASS



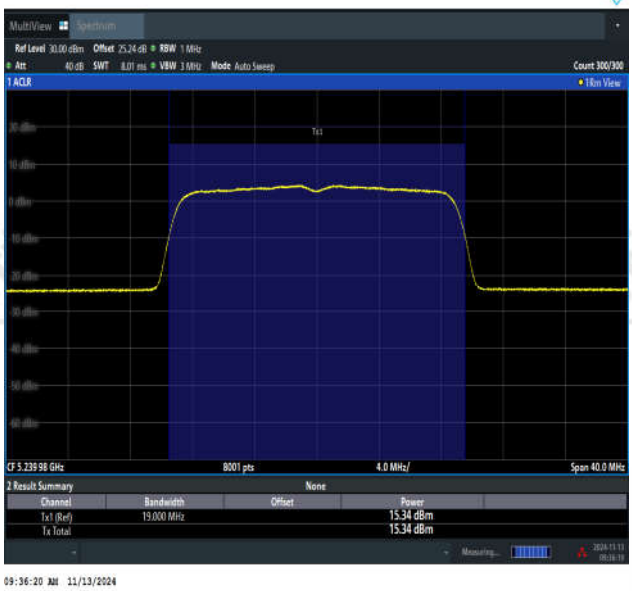
11AC20SISO-Ant2-5220-PASS



11AC20SISO-Ant3-5220-PASS



11AC20SISO-Ant1-5240-PASS



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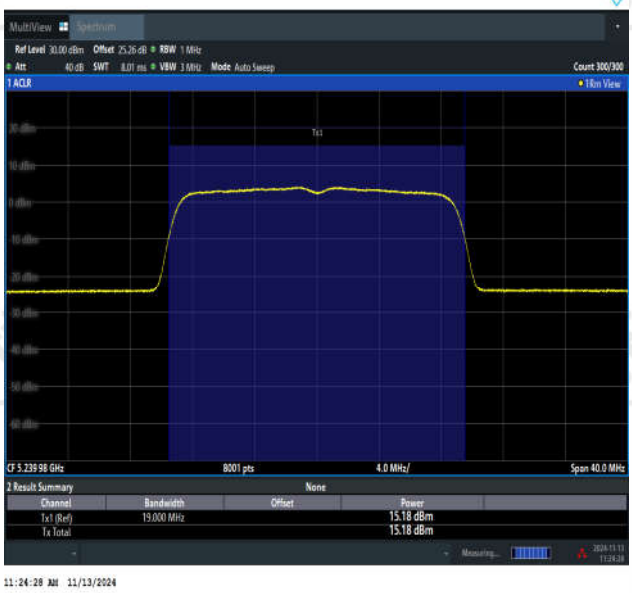
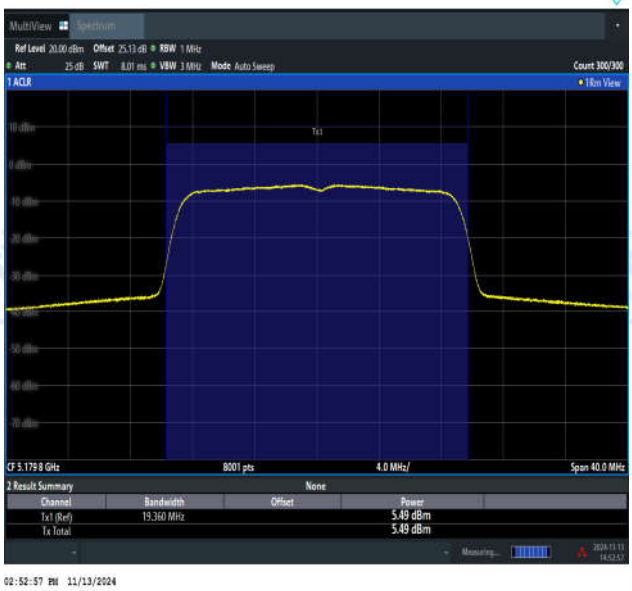
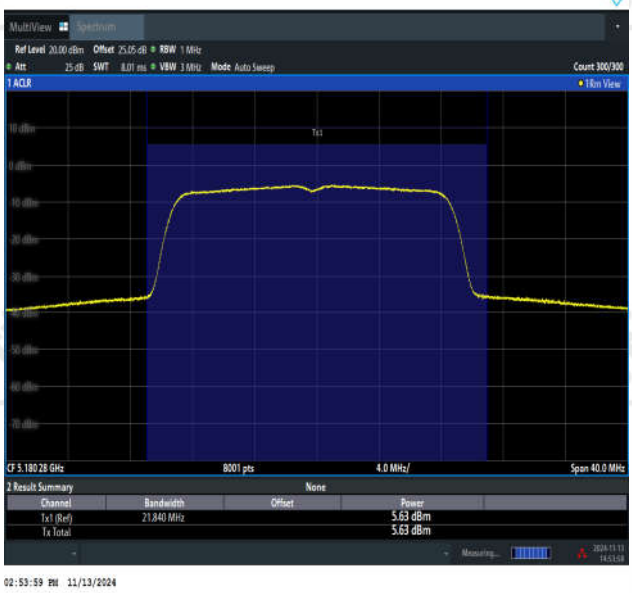


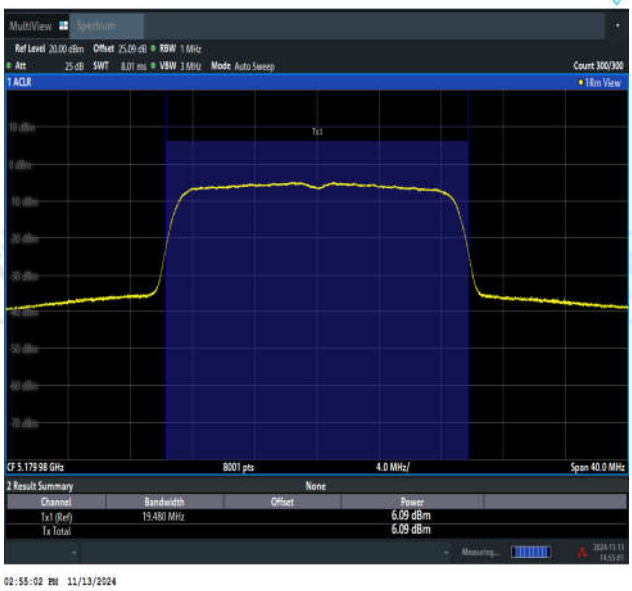
11AC20SISO-Ant3-5240-PASS



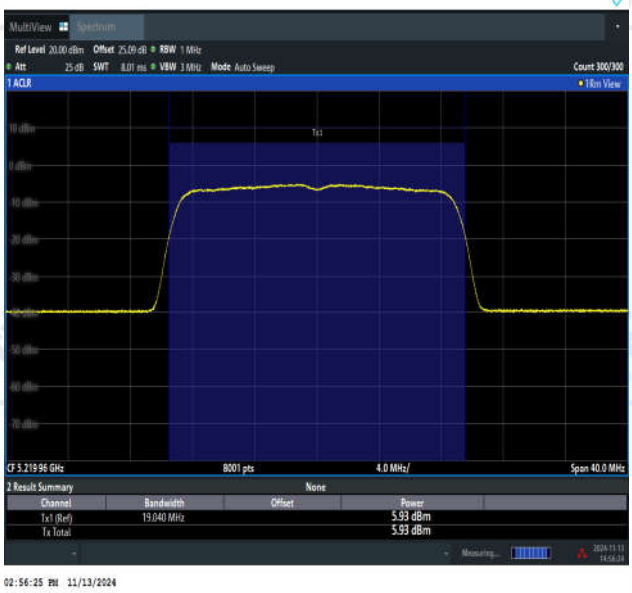
11AC20MIMO-Ant1-5180-PASS



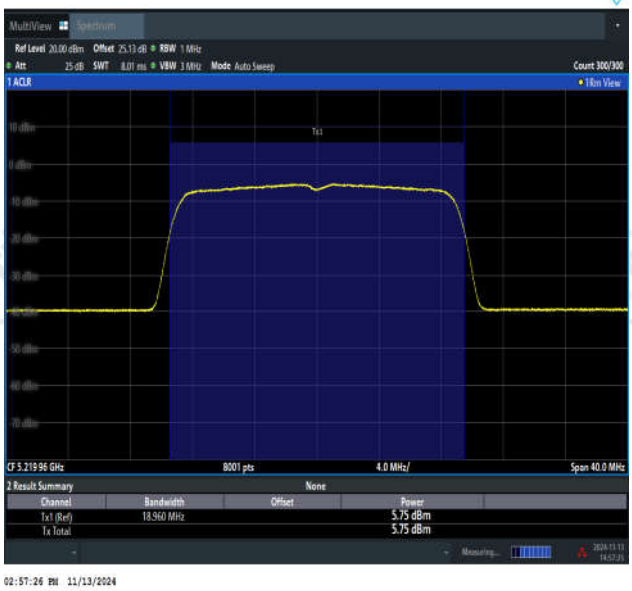
11AC20MIMO-Ant2-5180-PASS



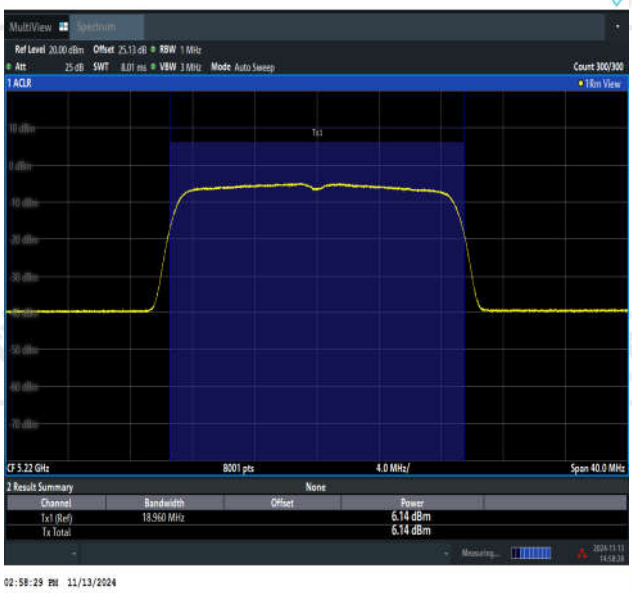
11AC20MIMO-Ant3-5180-PASS



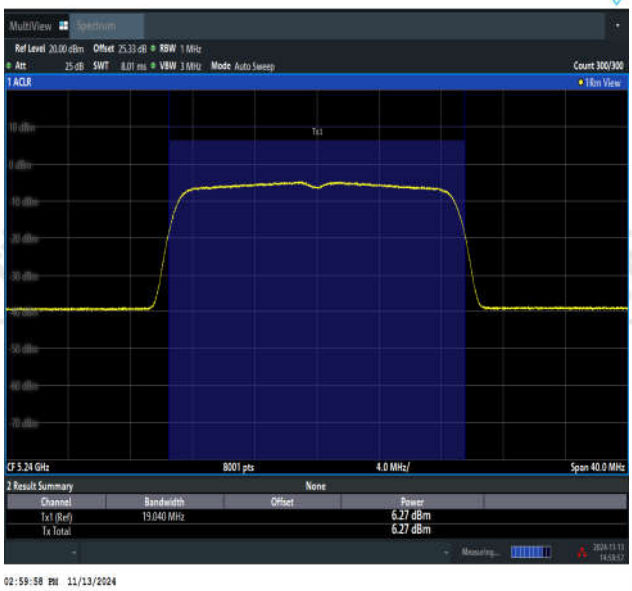
11AC20MIMO-Ant1-5220-PASS



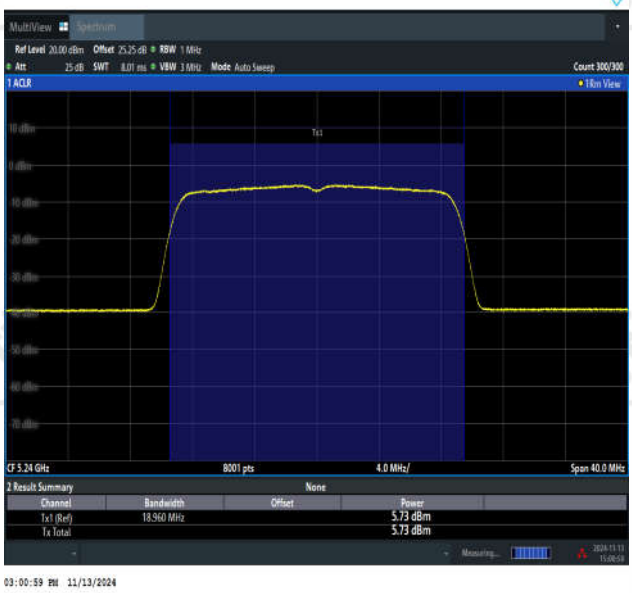
11AC20MIMO-Ant2-5220-PASS



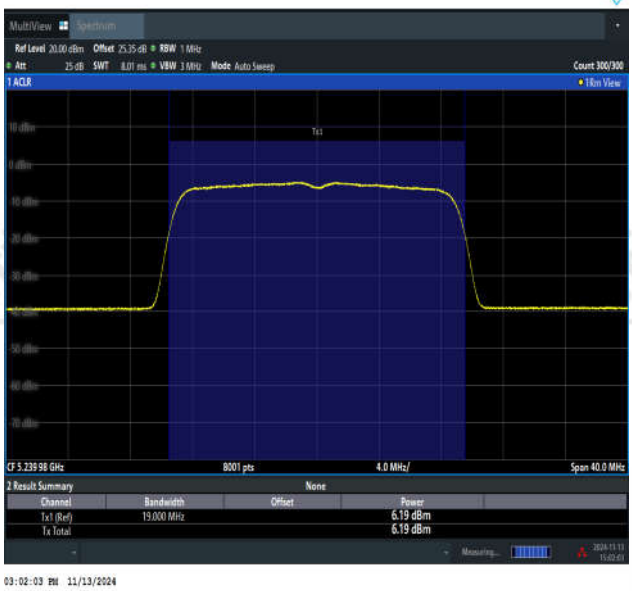
11AC20MIMO-Ant3-5220-PASS



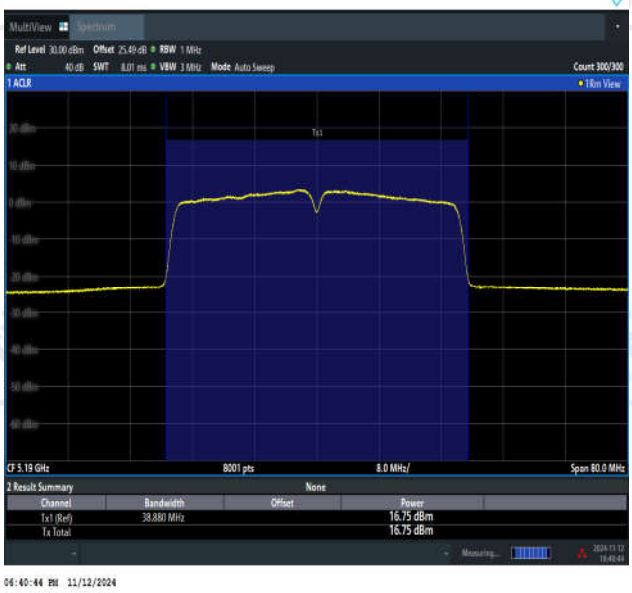
11AC20MIMO-Ant1-5240-PASS



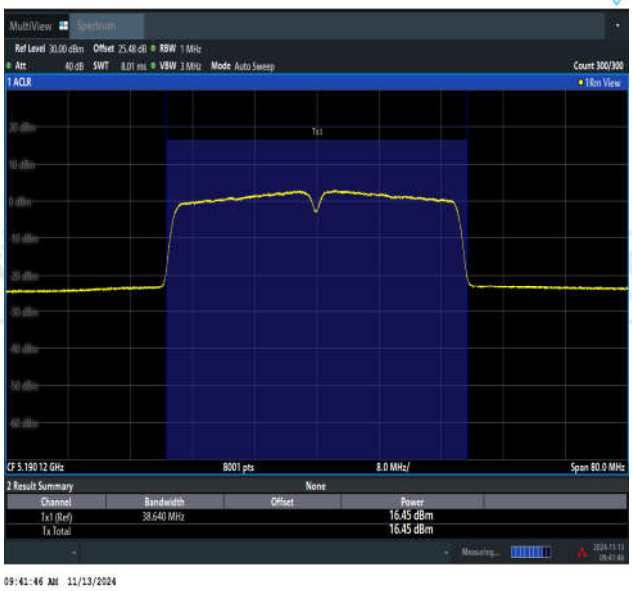
11AC20MIMO-Ant2-5240-PASS



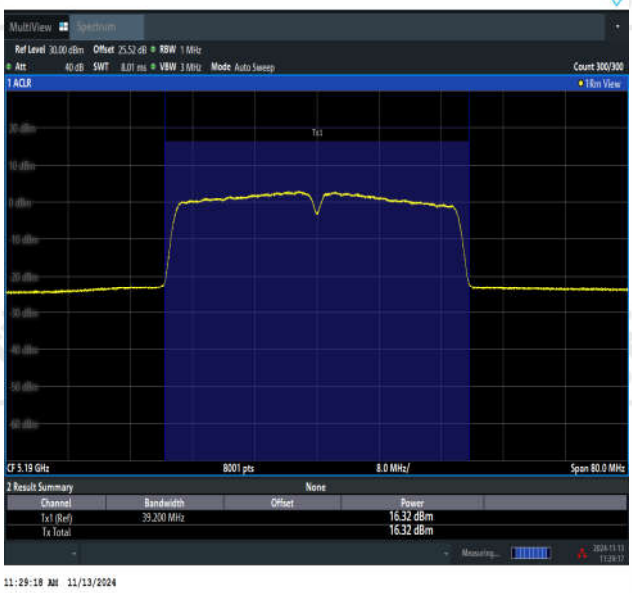
11AC20MIMO-Ant3-5240-PASS



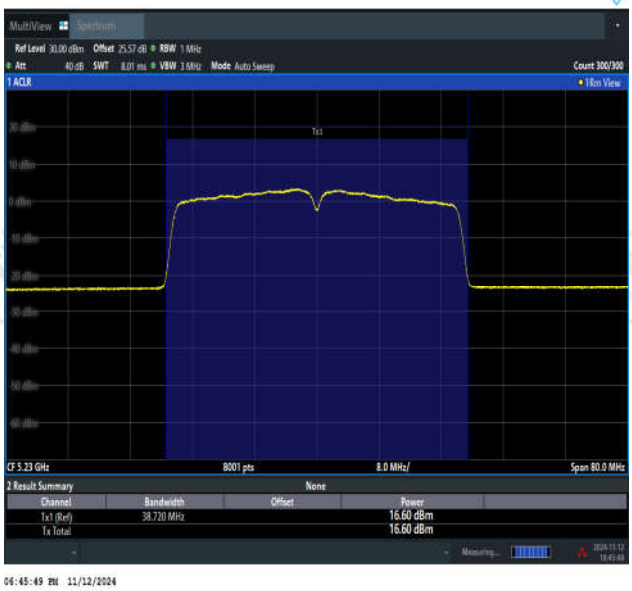
11AC40SISO-Ant1-5190-PASS



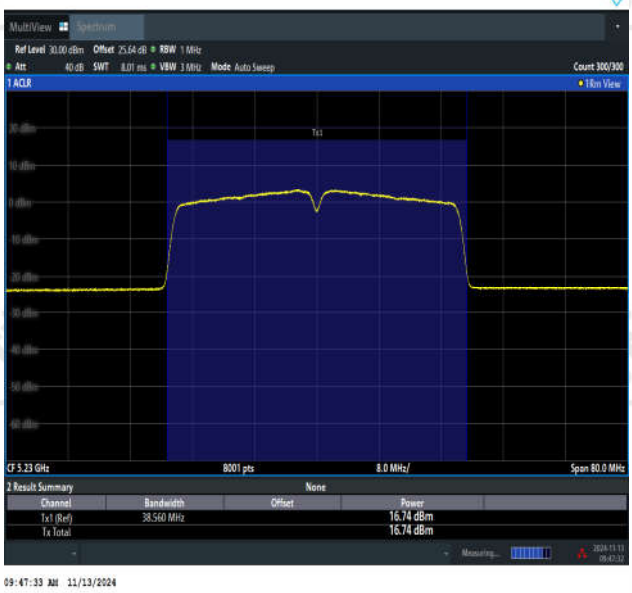
11AC40SISO-Ant2-5190-PASS



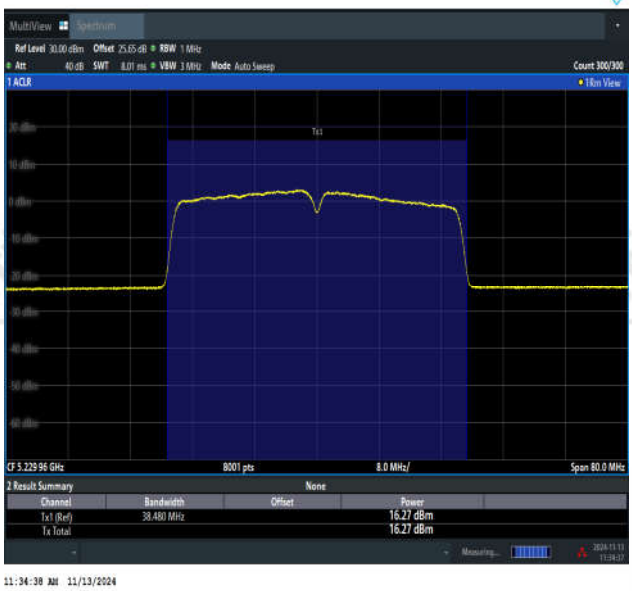
11AC40SISO-Ant3-5190-PASS



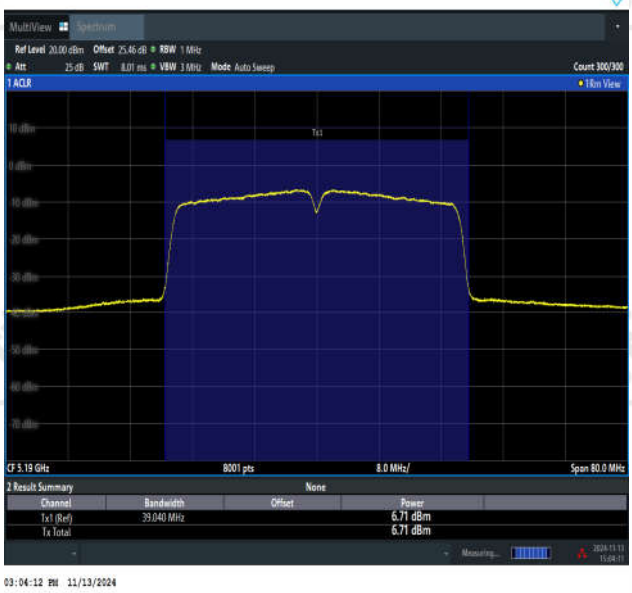
11AC40SISO-Ant1-5230-PASS



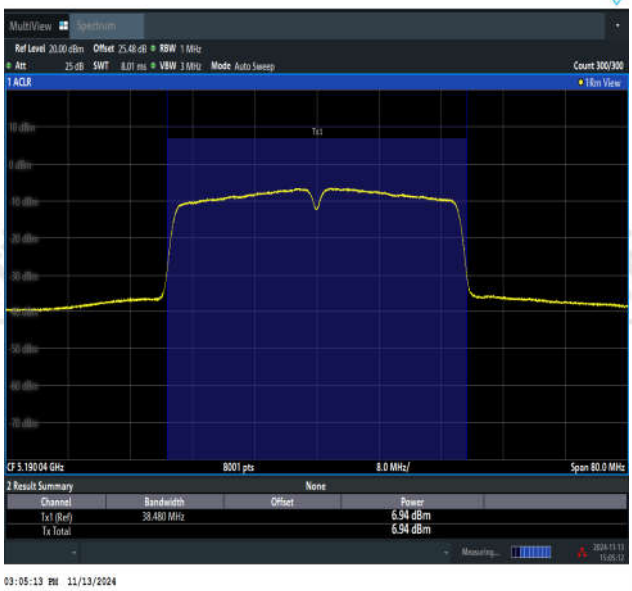
11AC40SISO-Ant2-5230-PASS



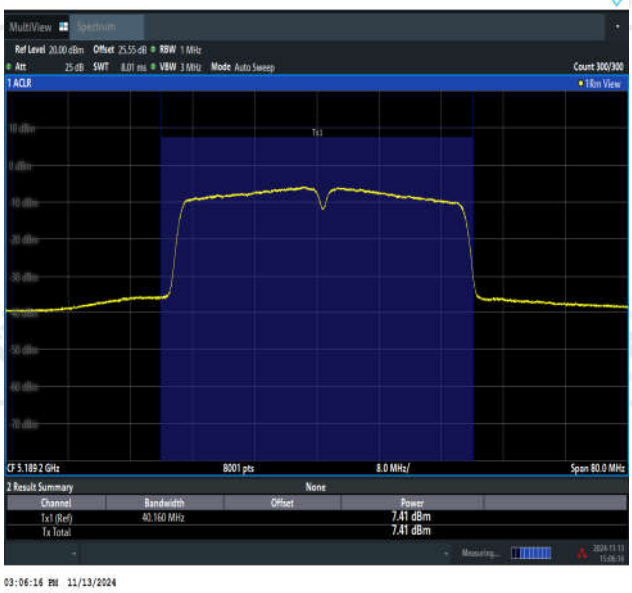
11AC40SISO-Ant3-5230-PASS



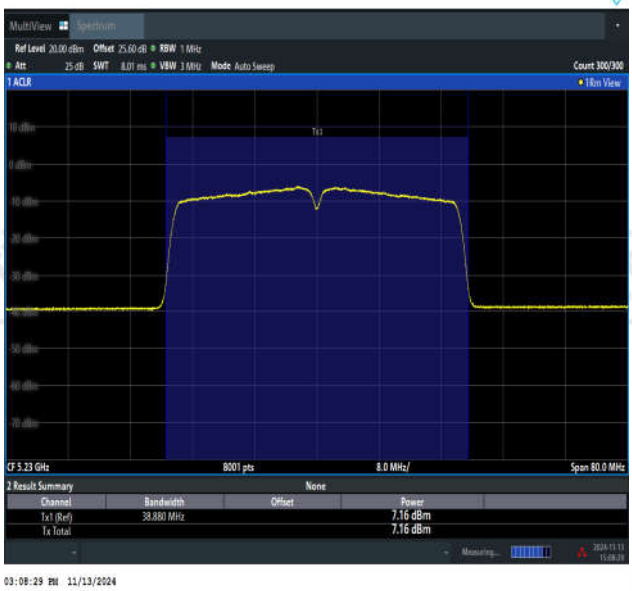
11AC40MIMO-Ant1-5190-PASS



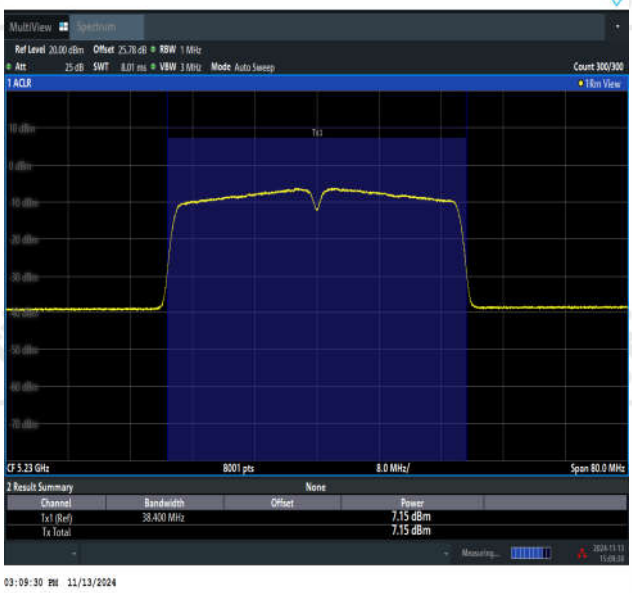
11AC40MIMO-Ant2-5190-PASS



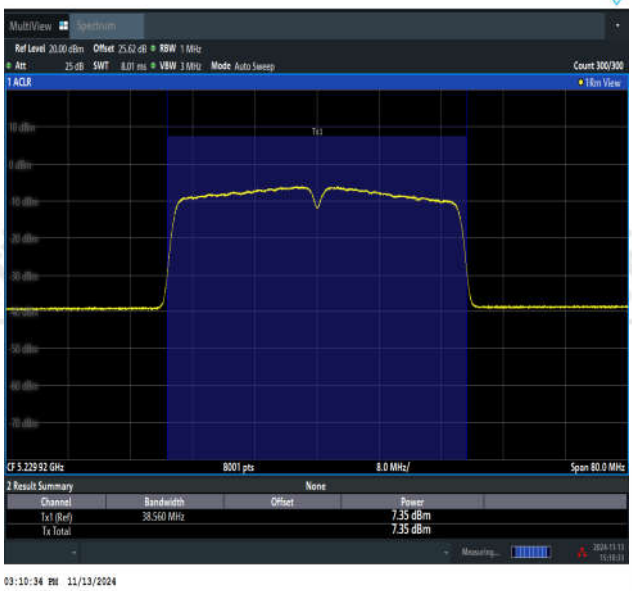
11AC40MIMO-Ant3-5190-PASS



11AC40MIMO-Ant1-5230-PASS



11AC40MIMO-Ant2-5230-PASS



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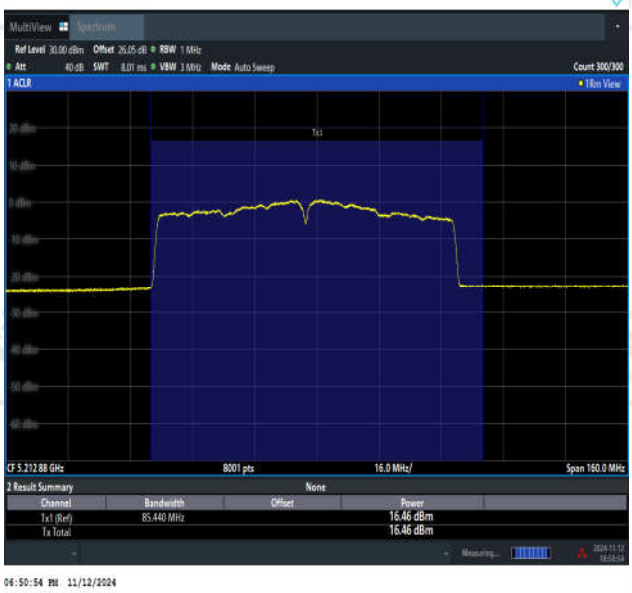
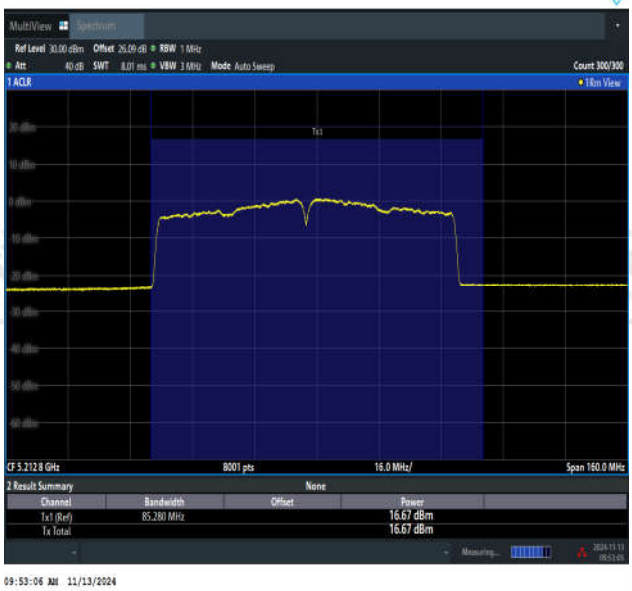
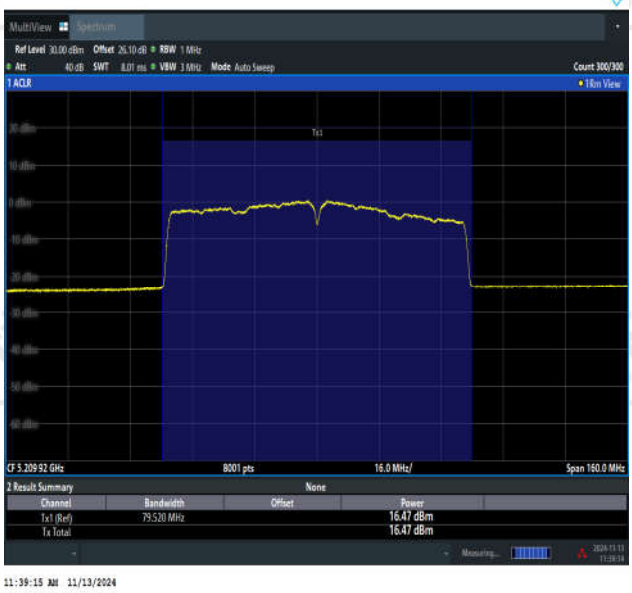


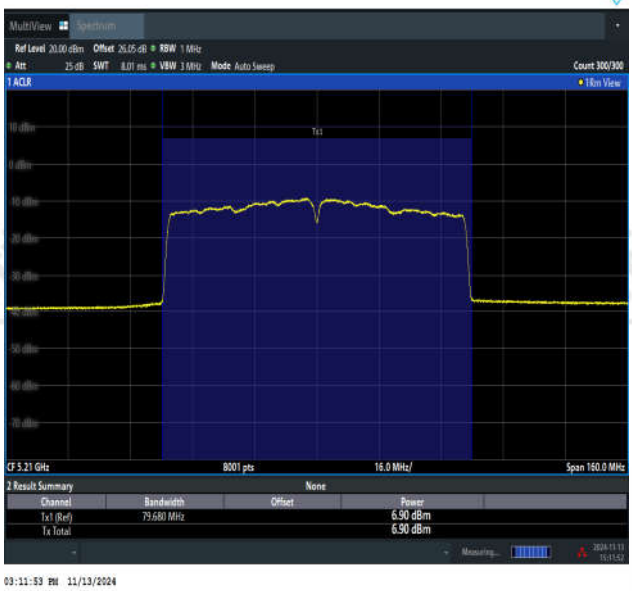
11AC80SISO-Ant1-5210-PASS



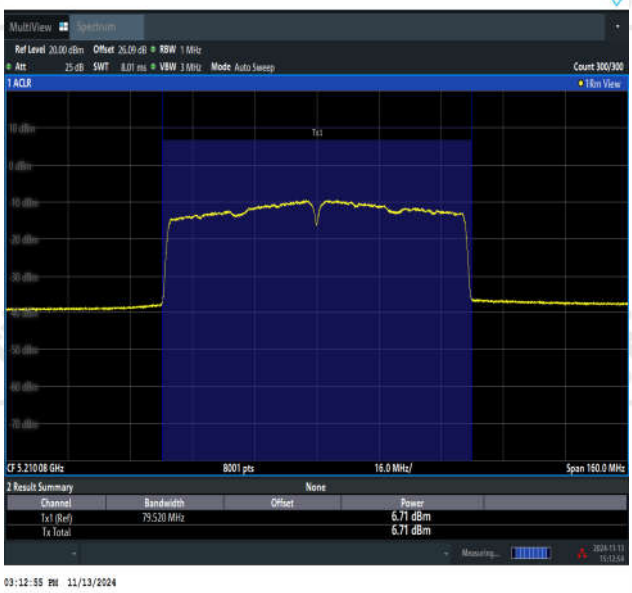
11AC80SISO-Ant2-5210-PASS



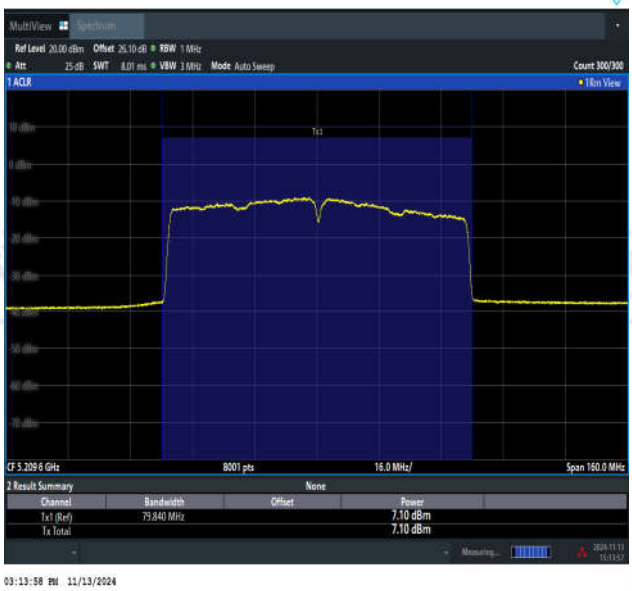
11AC80SISO-Ant3-5210-PASS



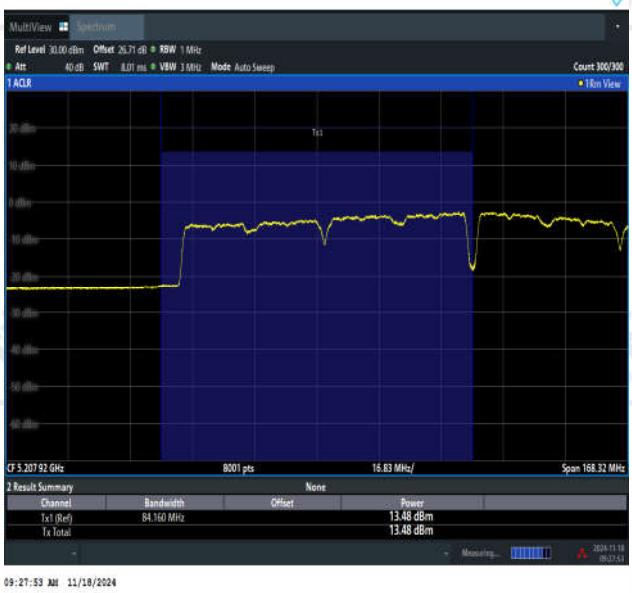
11AC80MIMO-Ant1-5210-PASS



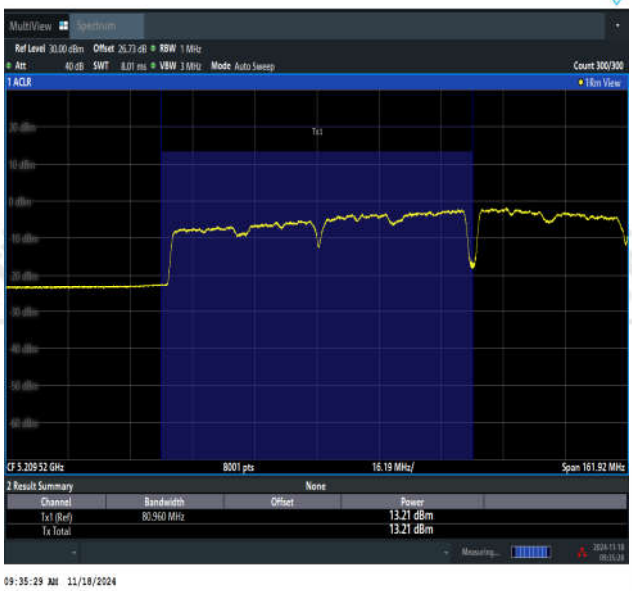
11AC80MIMO-Ant2-5210-PASS



11AC80MIMO-Ant3-5210-PASS



11AC160SISO-Ant1-5250_UNII-1-TPC_H-PASS



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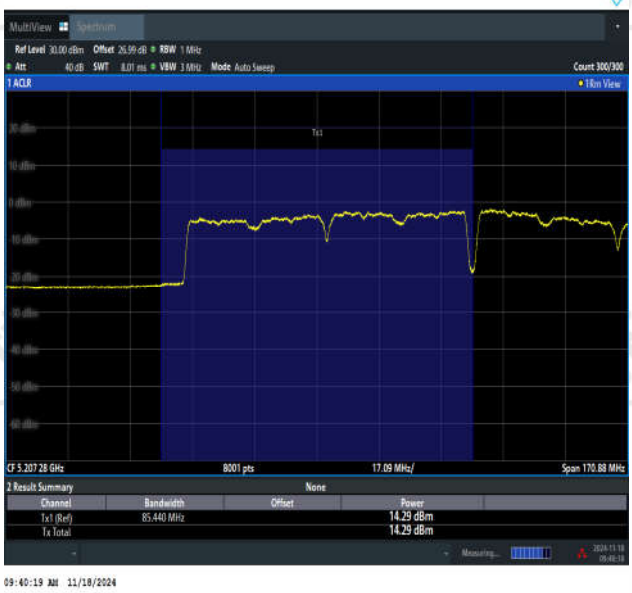
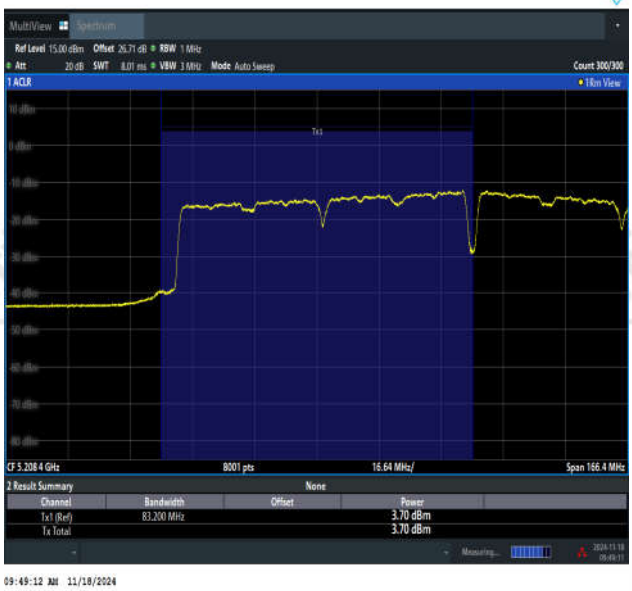


11AC160SISO-Ant3-5250_UNII-1-TPC_H-PASS



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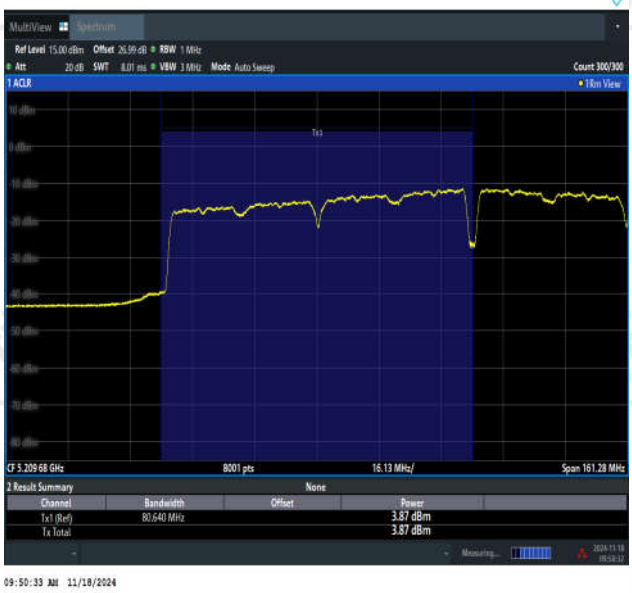

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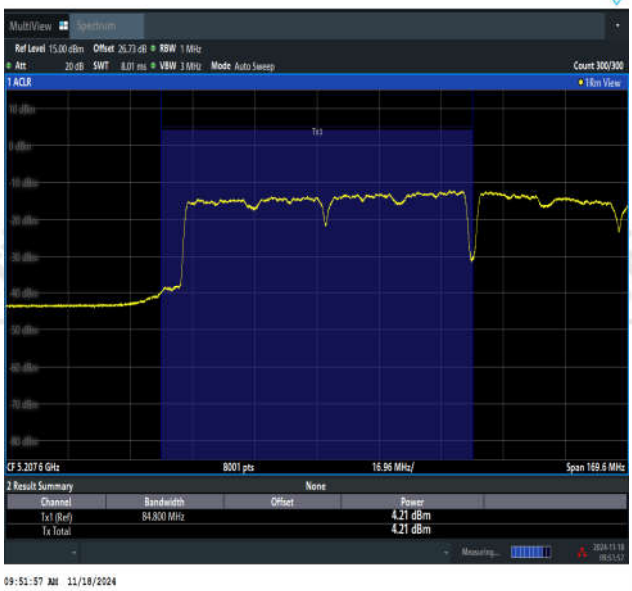

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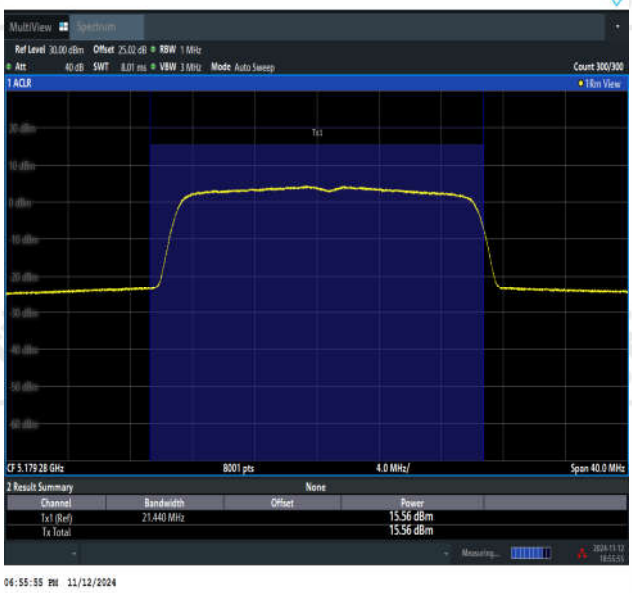
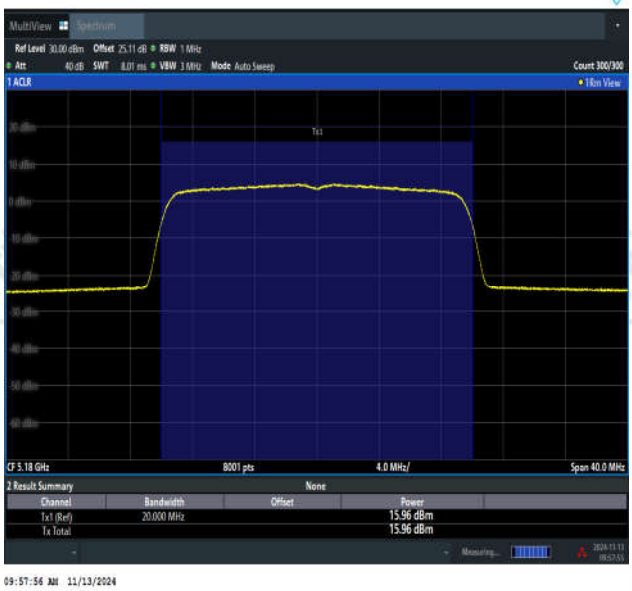
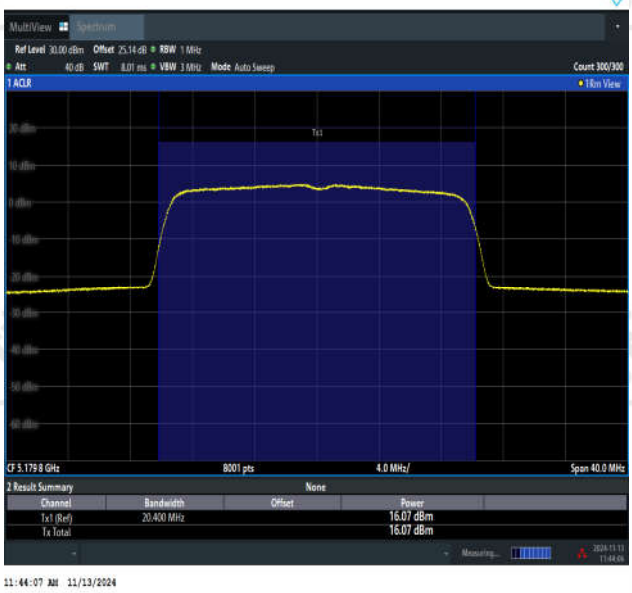


11AX20SISO-Ant1-5180-PASS



11AX20SISO-Ant2-5180-PASS



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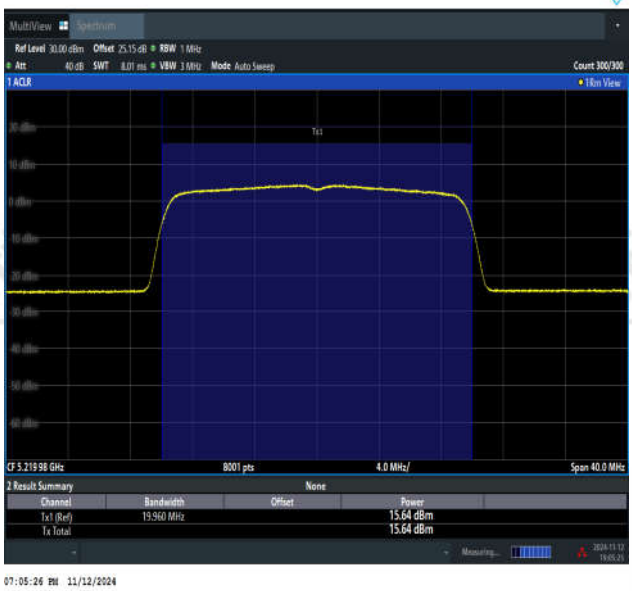

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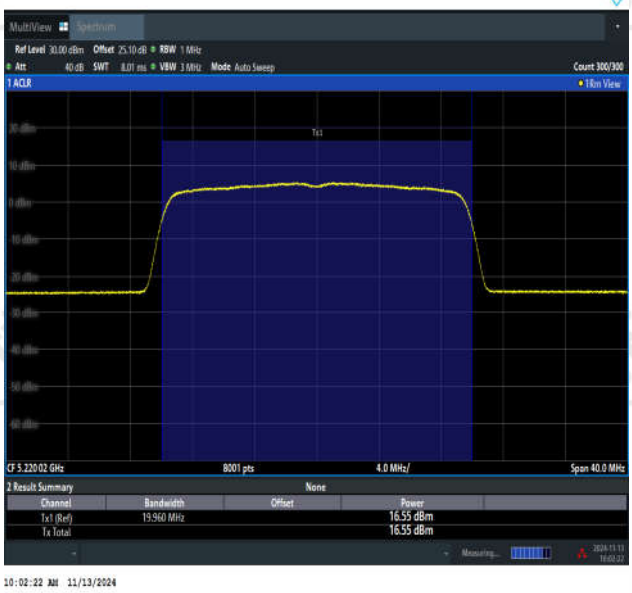

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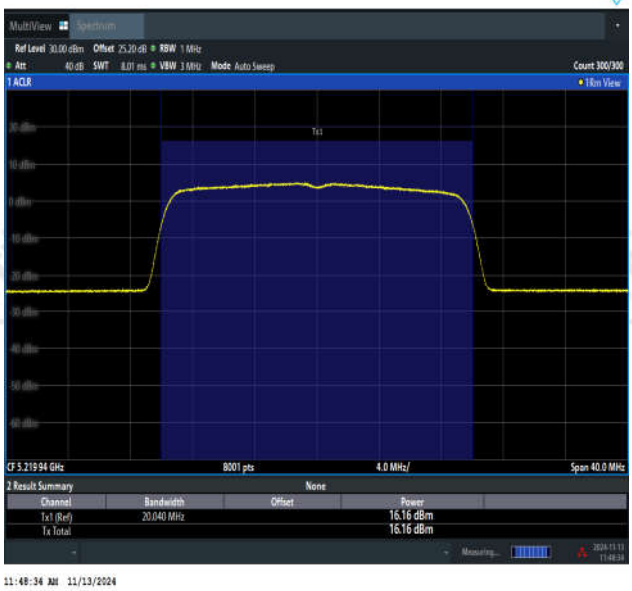

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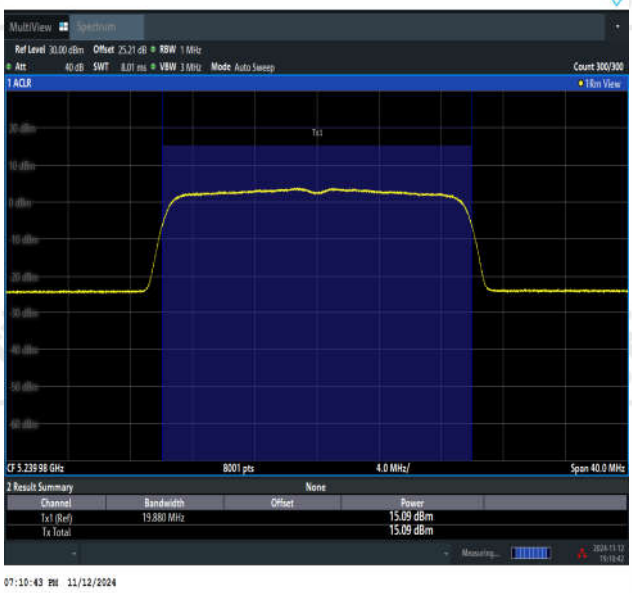
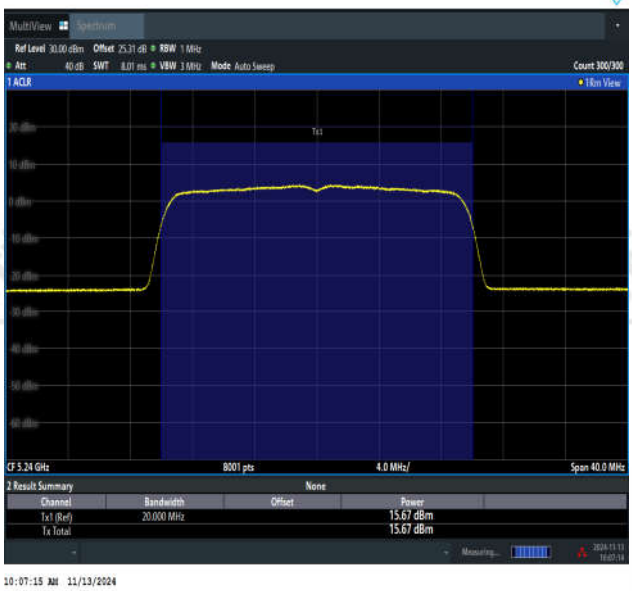


11AX20SISO-Ant1-5240-PASS



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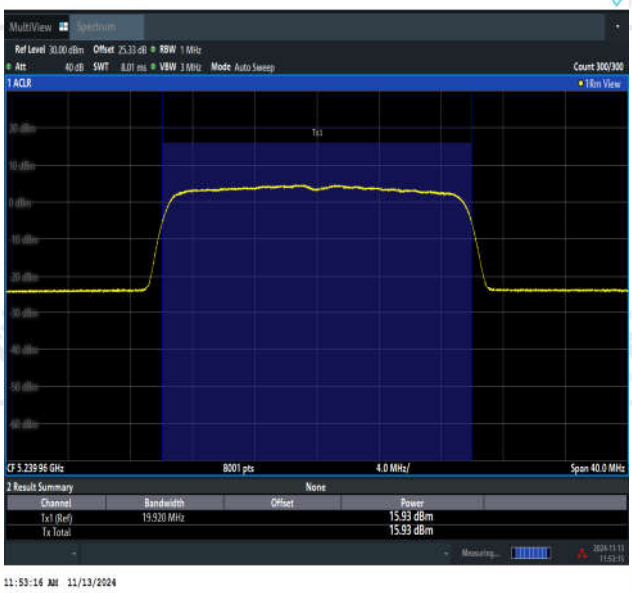
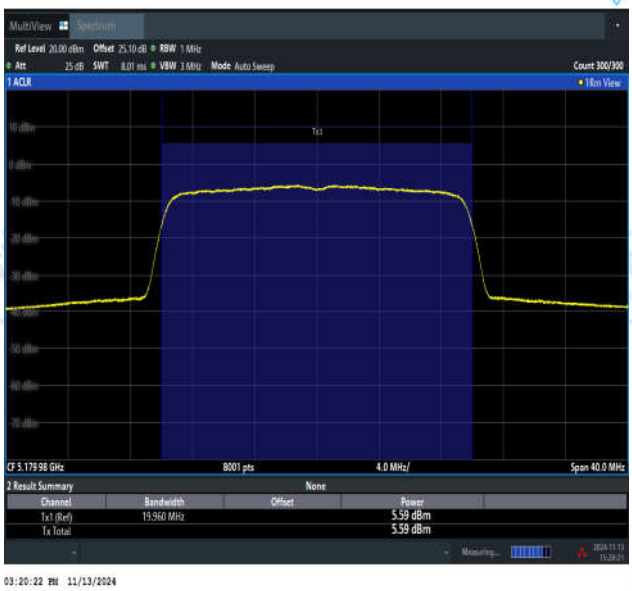


11AX20SISO-Ant3-5240-PASS



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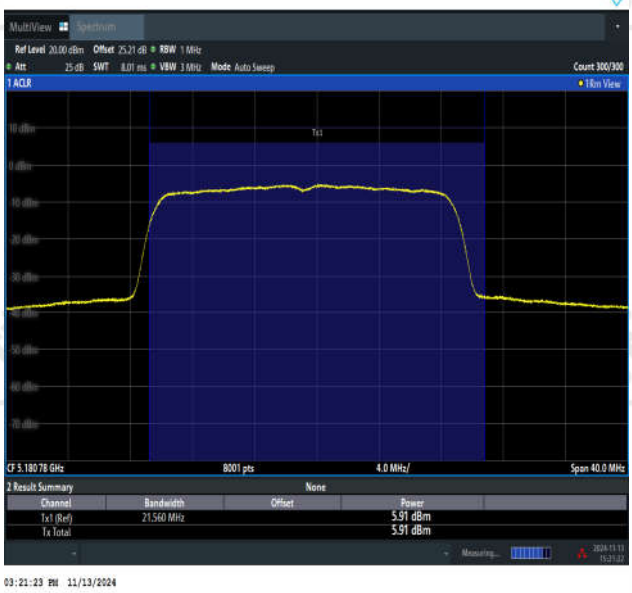

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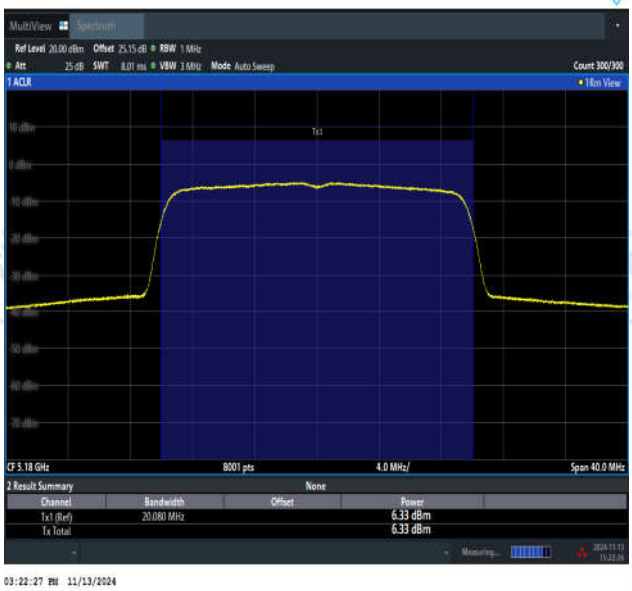

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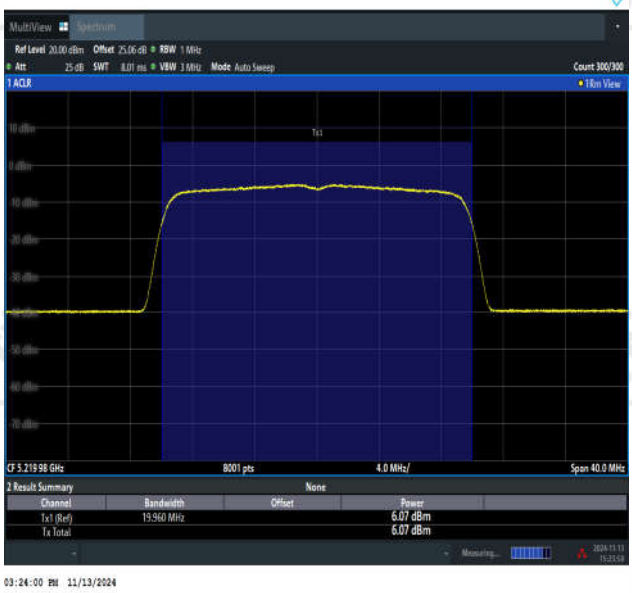
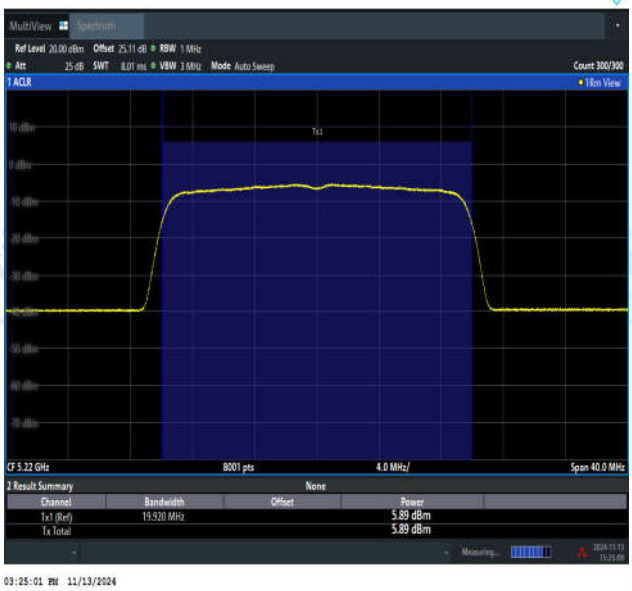
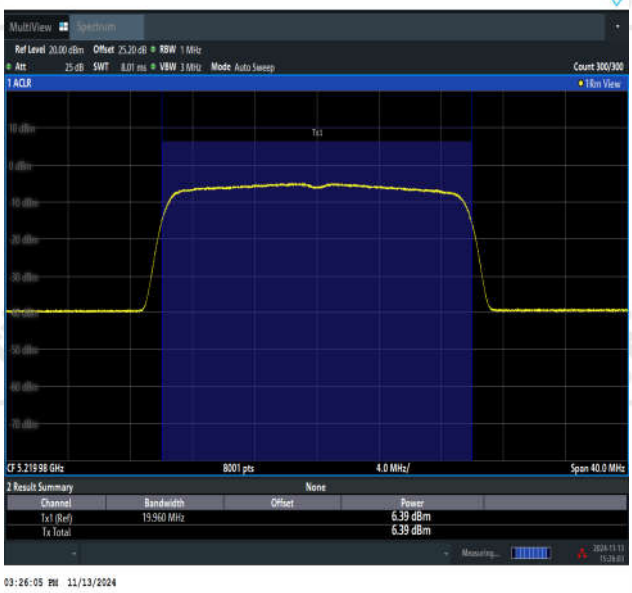


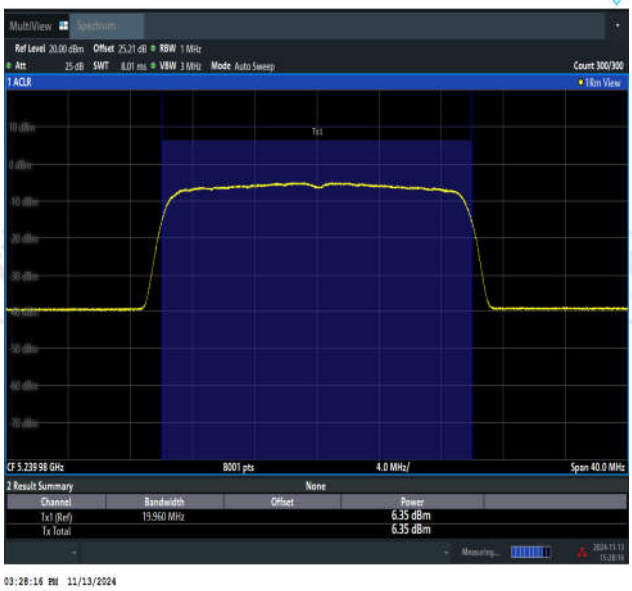
11AX20MIMO-Ant1-5220-PASS



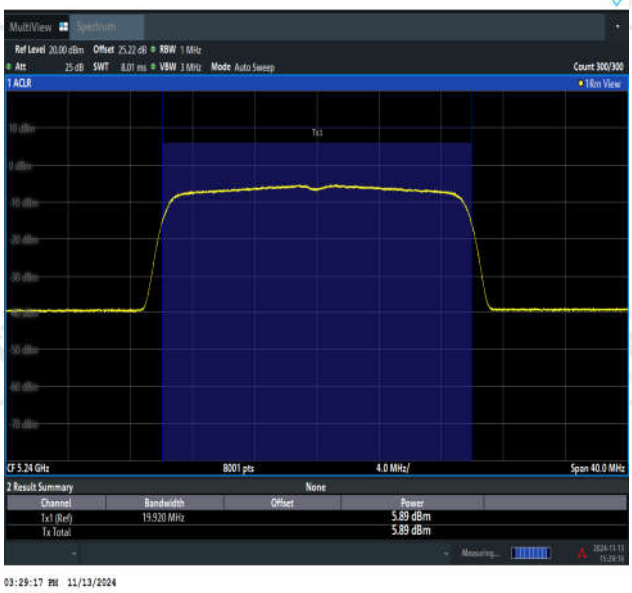
11AX20MIMO-Ant2-5220-PASS



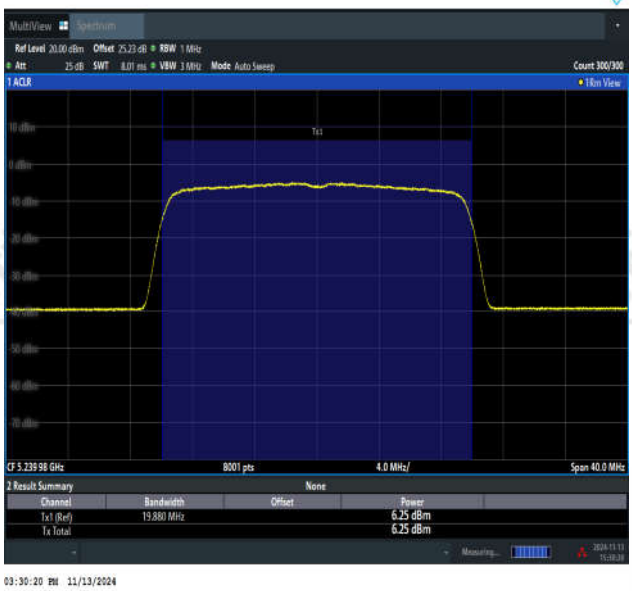
11AX20MIMO-Ant3-5220-PASS



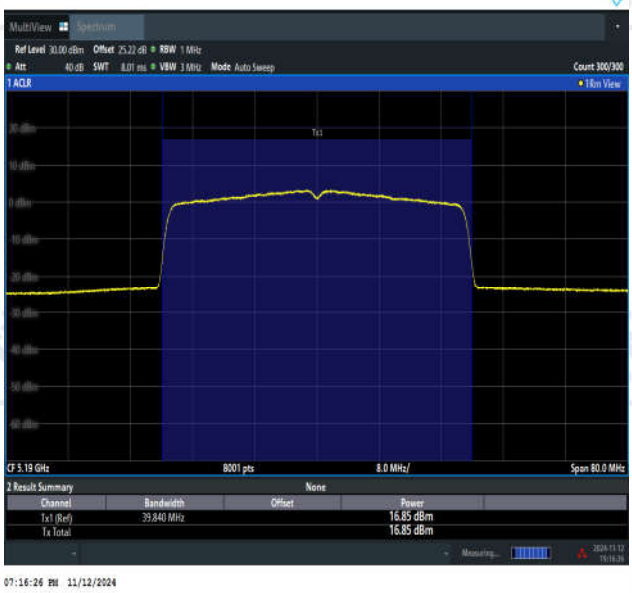
11AX20MIMO-Ant1-5240-PASS



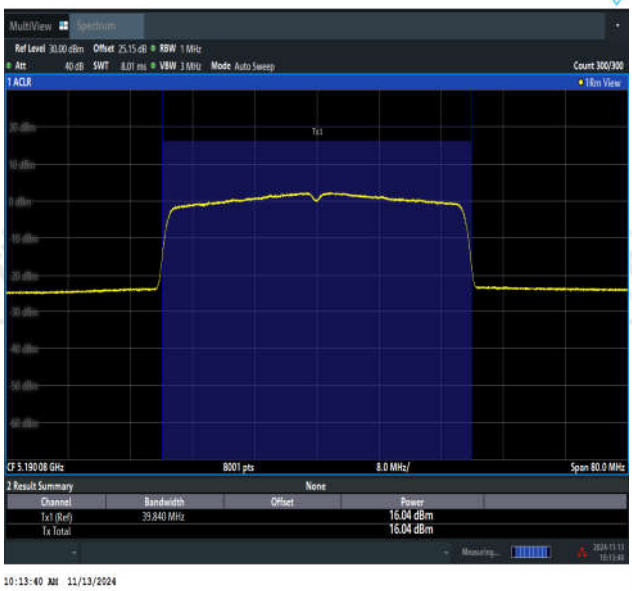
11AX20MIMO-Ant2-5240-PASS



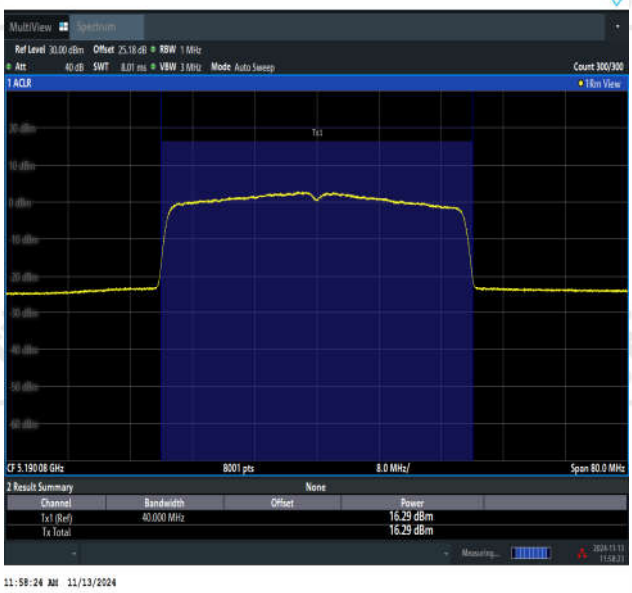
11AX20MIMO-Ant3-5240-PASS



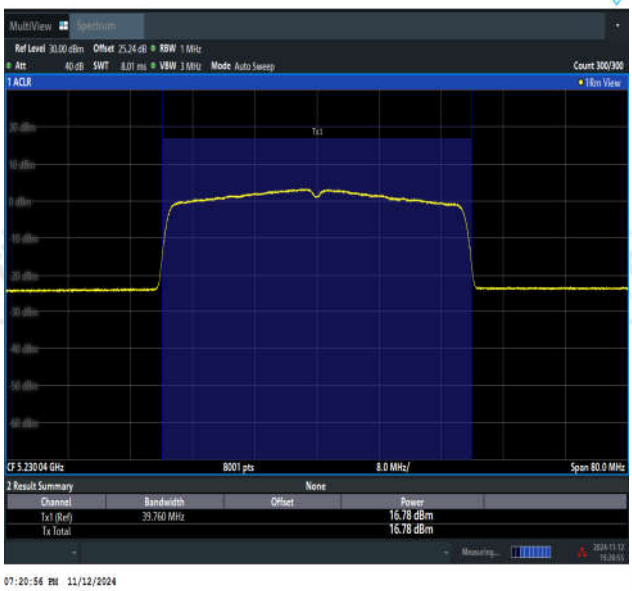
11AX40SISO-Ant1-5190-PASS



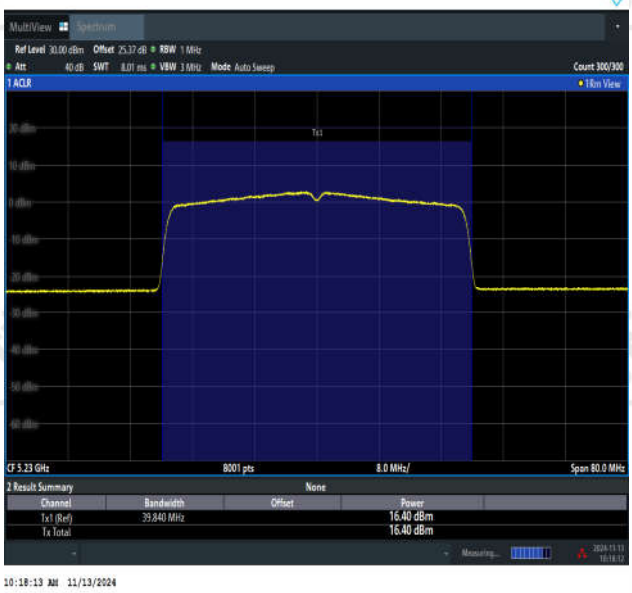
11AX40SISO-Ant2-5190-PASS



11AX40SISO-Ant3-5190-PASS



11AX40SISO-Ant1-5230-PASS



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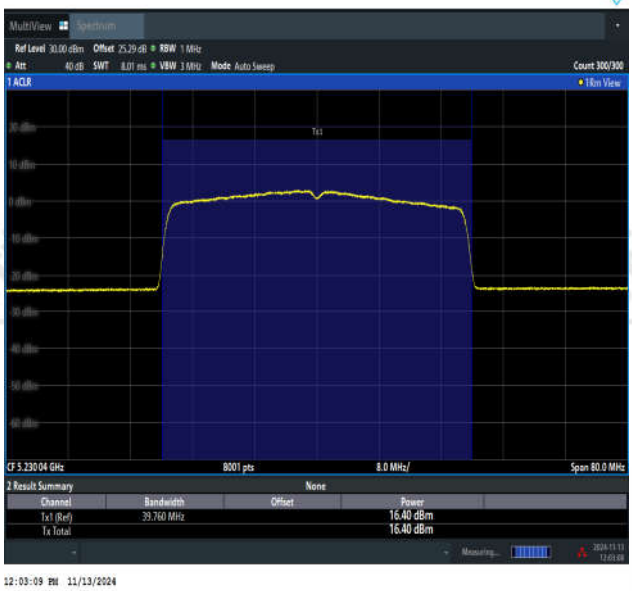
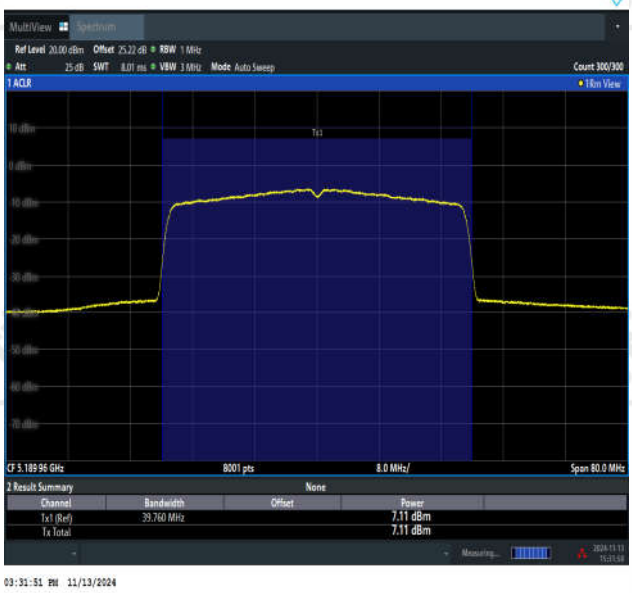
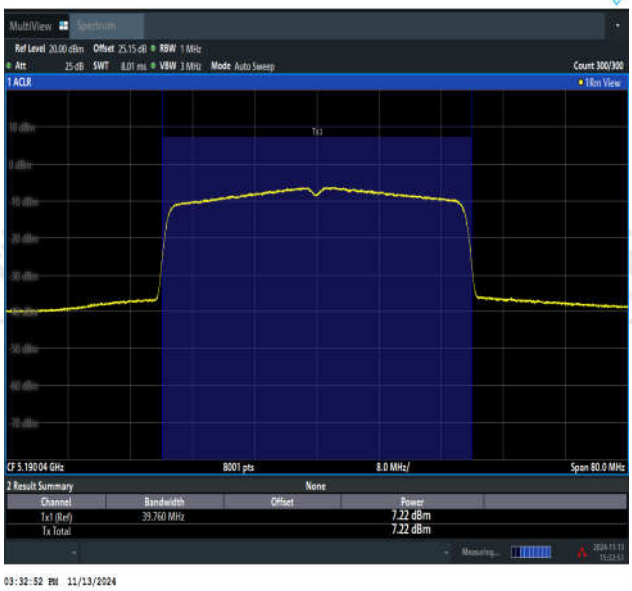


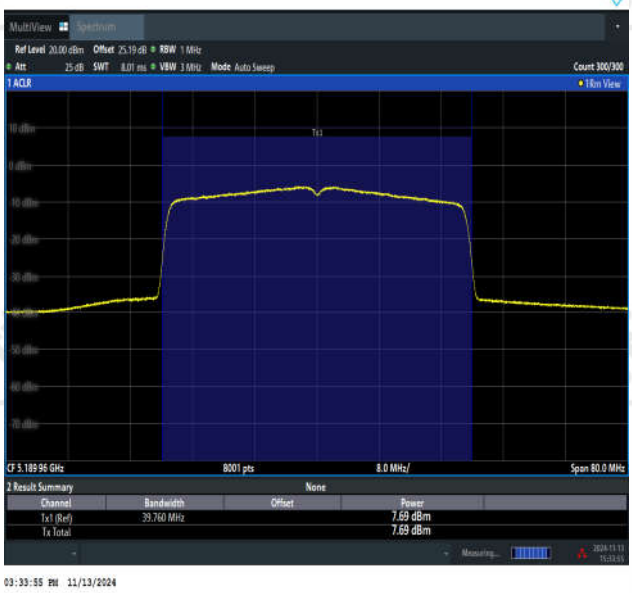
11AX40SISO-Ant3-5230-PASS



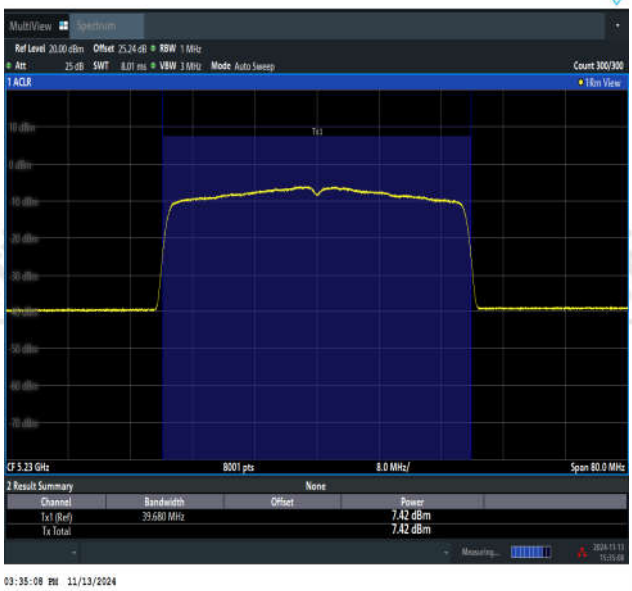
11AX40MIMO-Ant1-5190-PASS



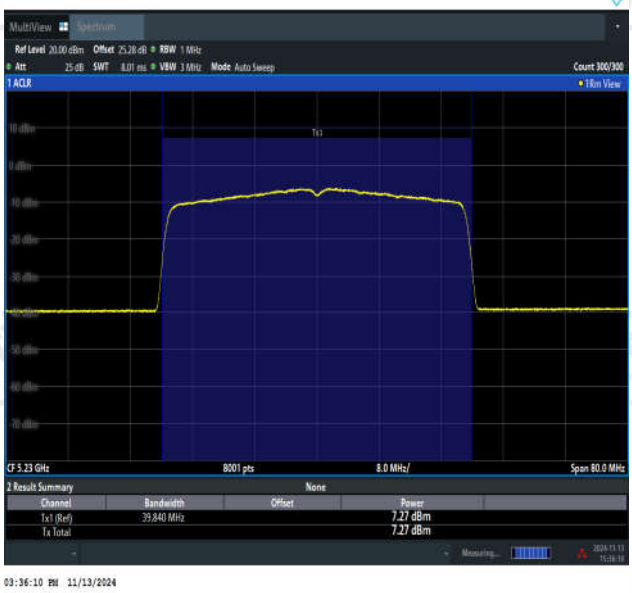
11AX40MIMO-Ant2-5190-PASS



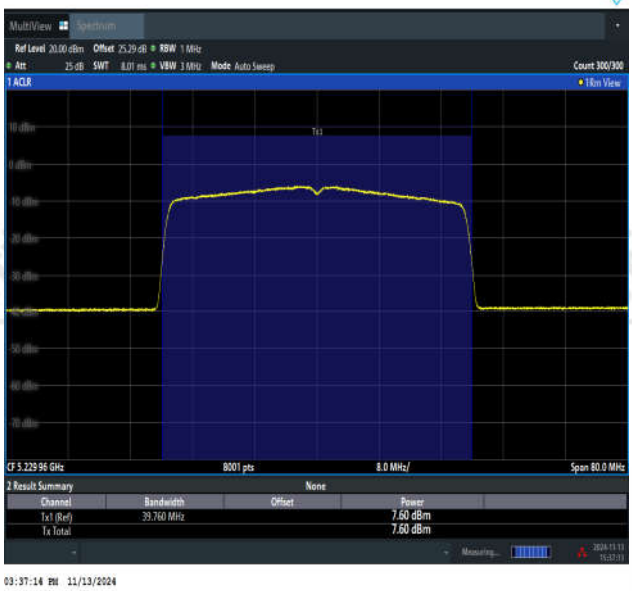
11AX40MIMO-Ant3-5190-PASS



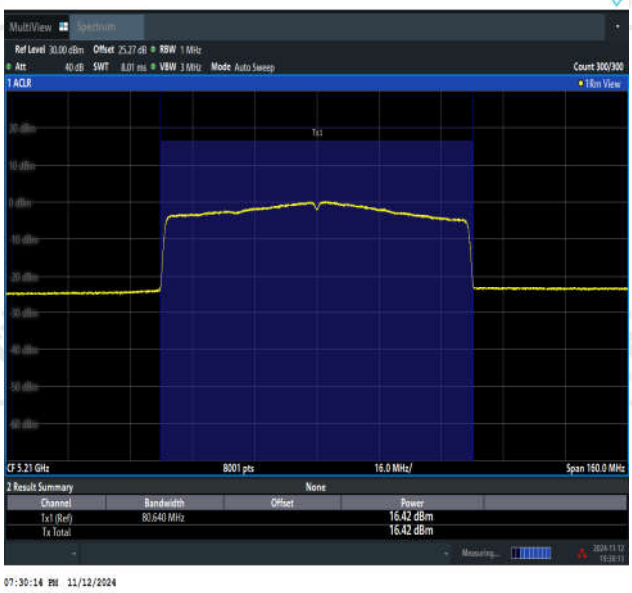
11AX40MIMO-Ant1-5230-PASS



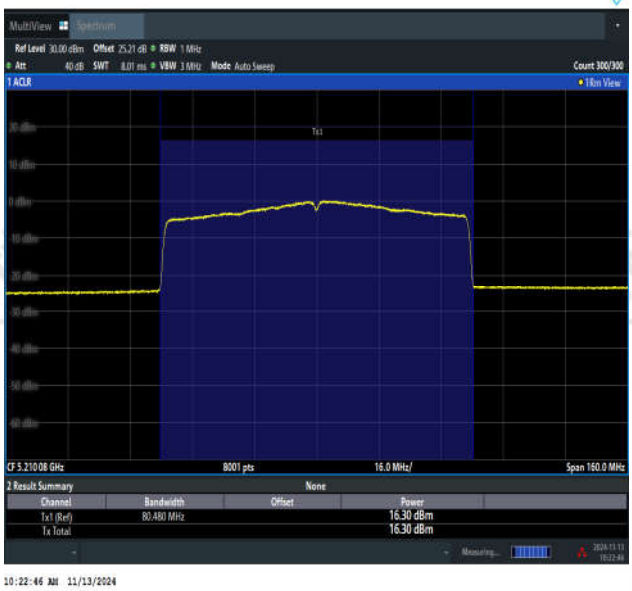
11AX40MIMO-Ant2-5230-PASS



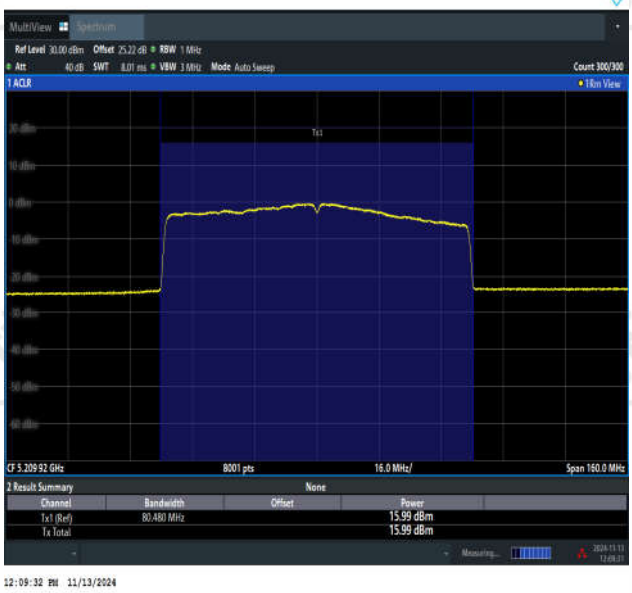
11AX40MIMO-Ant3-5230-PASS



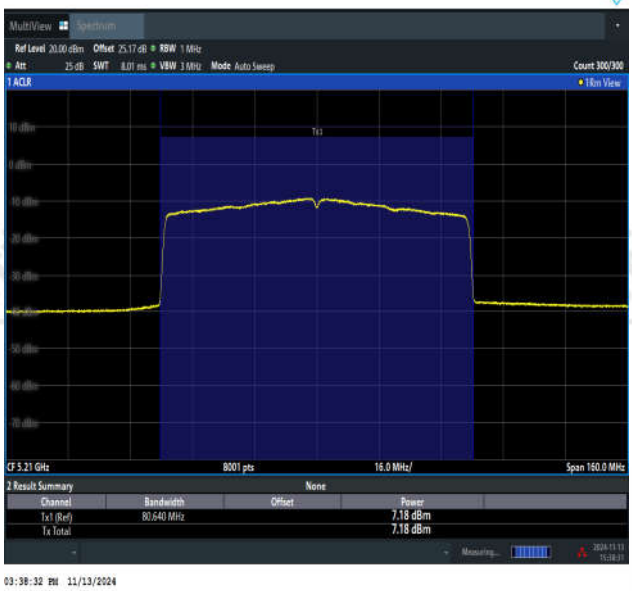
11AX80SISO-Ant1-5210-PASS



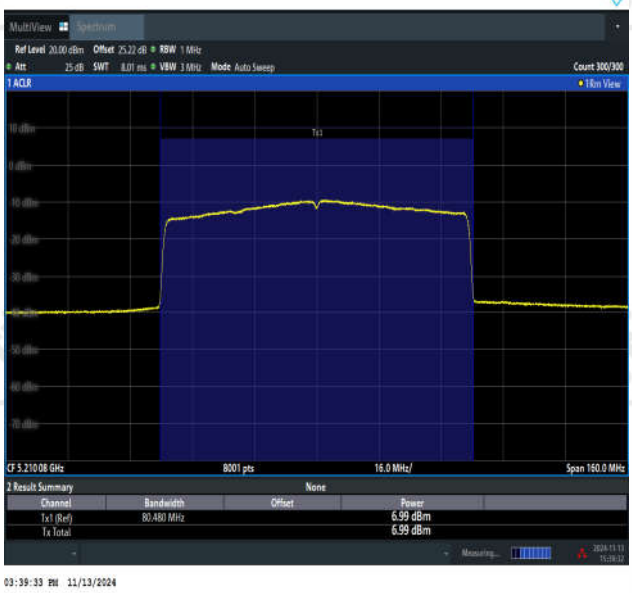
11AX80SISO-Ant2-5210-PASS



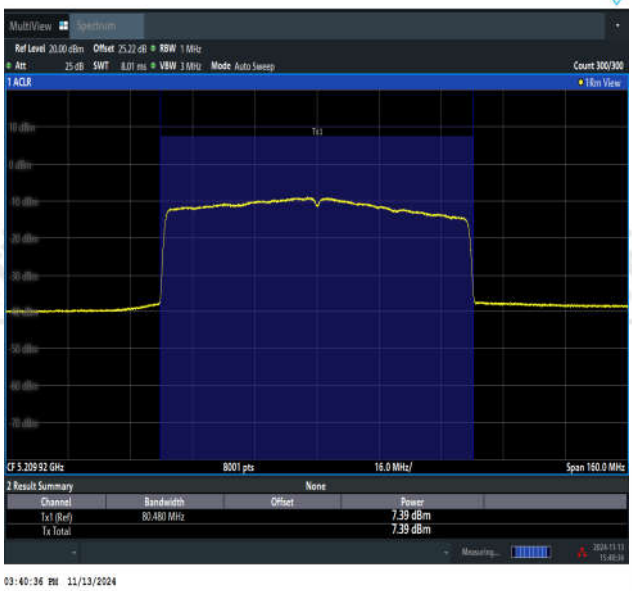
11AX80SISO-Ant3-5210-PASS



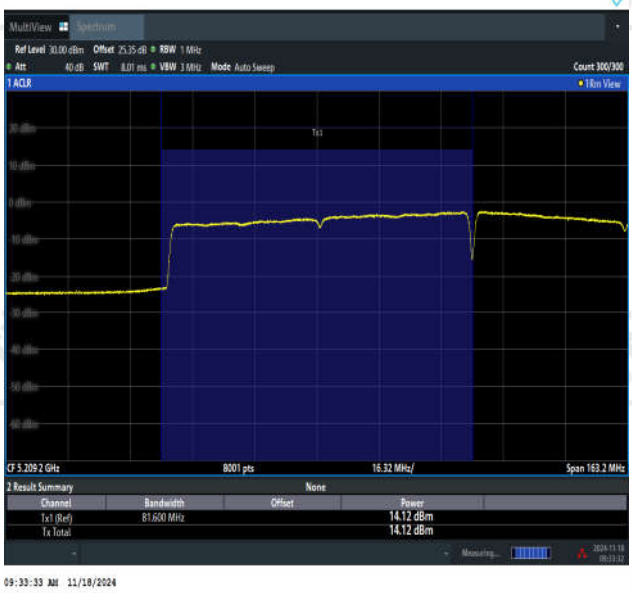
11AX80MIMO-Ant1-5210-PASS



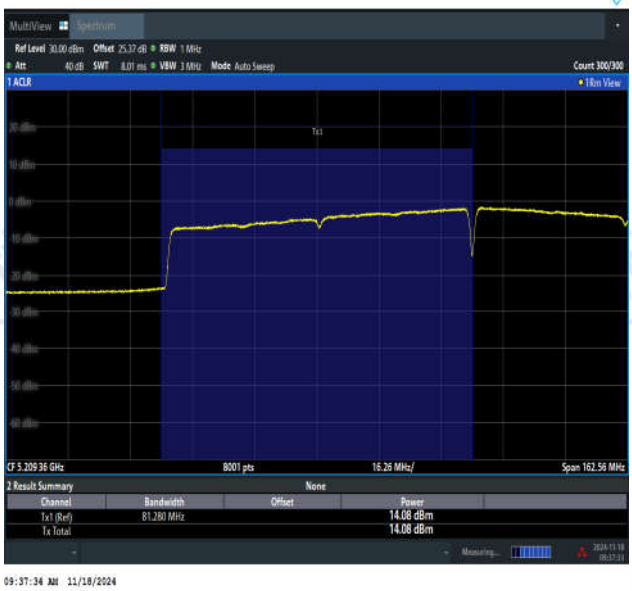
11AX80MIMO-Ant2-5210-PASS



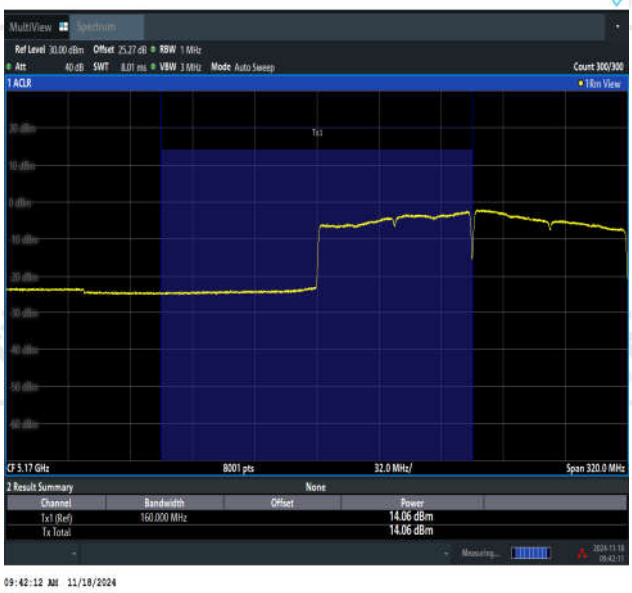
11AX80MIMO-Ant3-5210-PASS



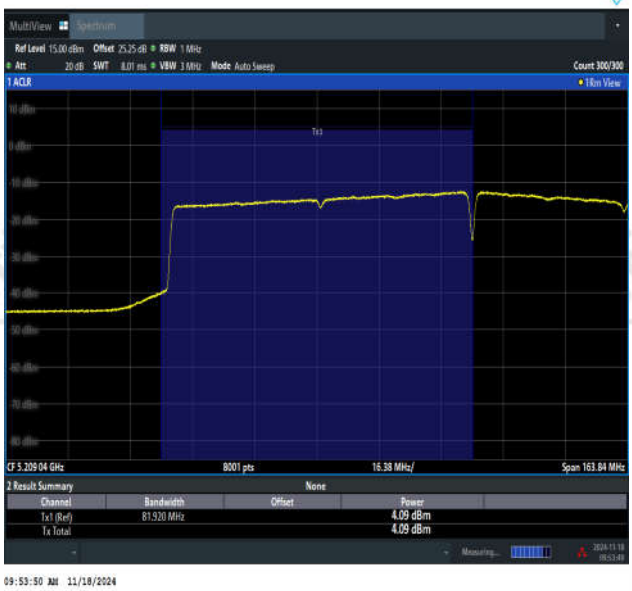
11AX160SISO-Ant1-5250_UNII-1-TPC_H-PASS



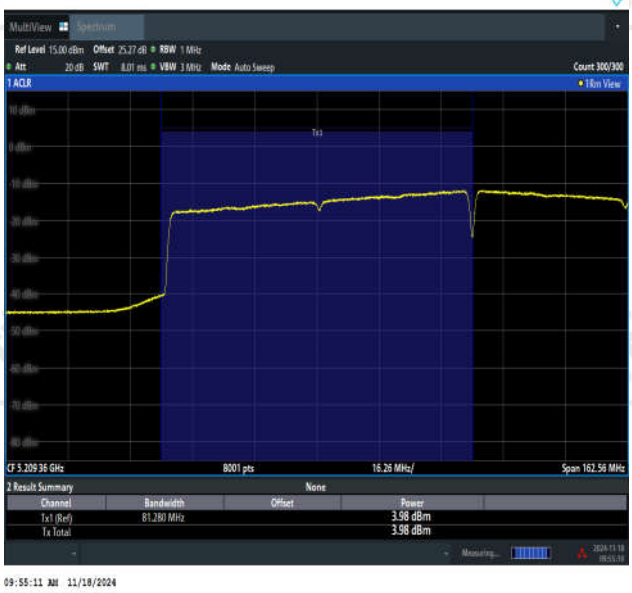
11AX160SISO-Ant2-5250_UNII-1-TPC_H-PASS



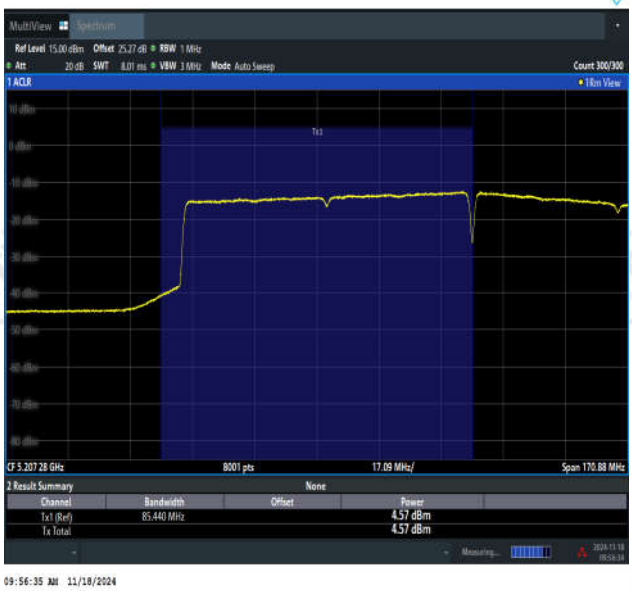
11AX160SISO-Ant3-5250_UNII-1-TPC_H-PASS



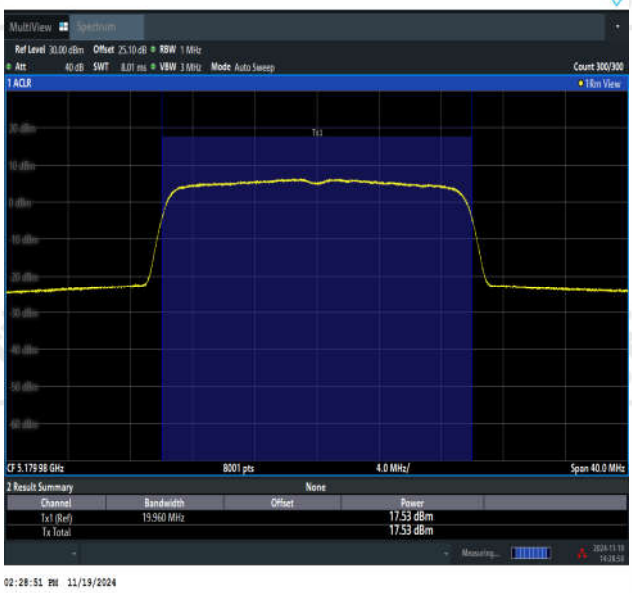
11AX160MIMO-Ant1-5250_UNII-1-TPC_H-PASS



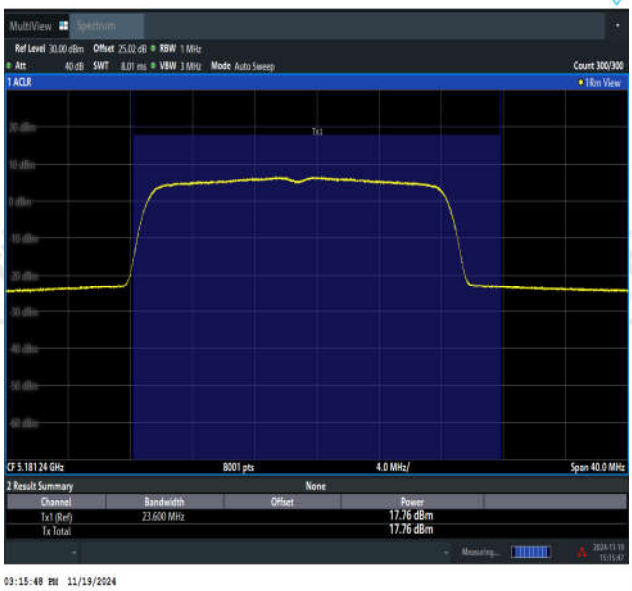
11AX160MIMO-Ant2-5250_UNII-1-TPC_H-PASS



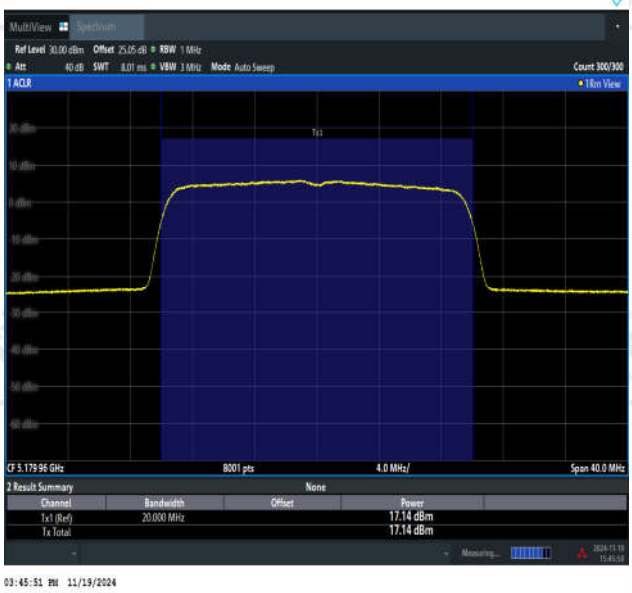
11AX160MIMO-Ant3-5250_UNII-1-TPC_H-PASS



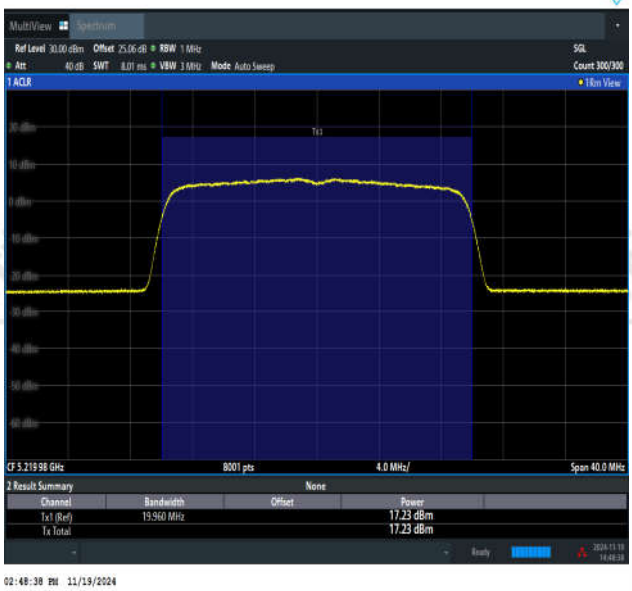
11BE20SISO-Ant1-5180-PASS



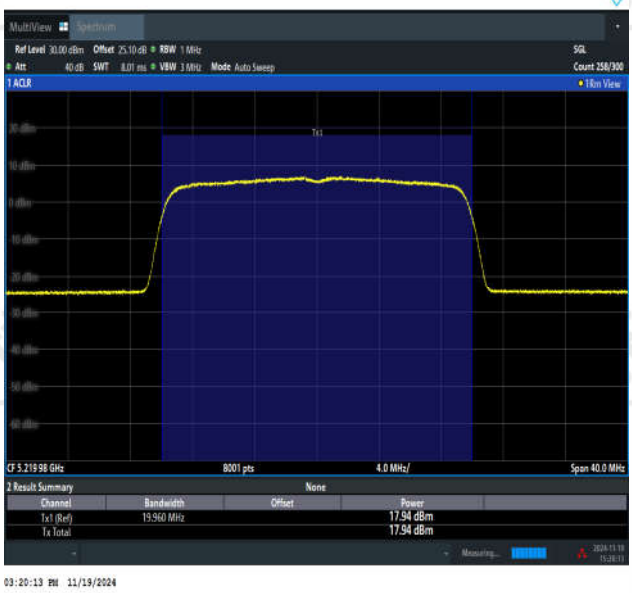
11BE20SISO-Ant2-5180-PASS



11BE20SISO-Ant3-5180-PASS



11BE20SISO-Ant1-5220-PASS



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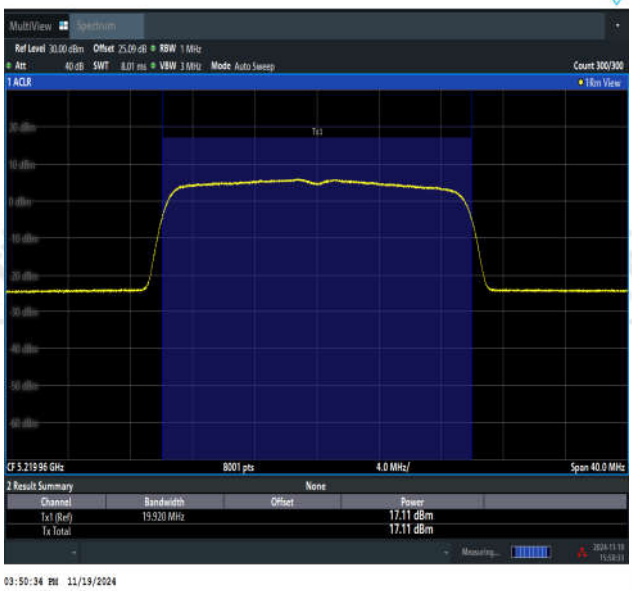

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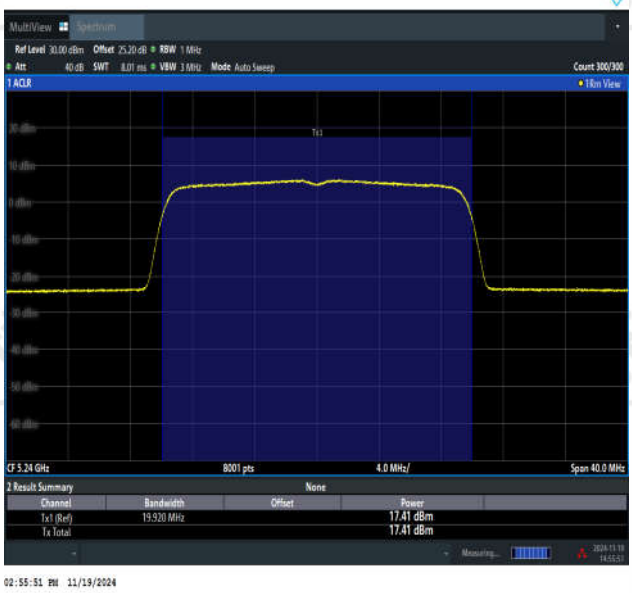
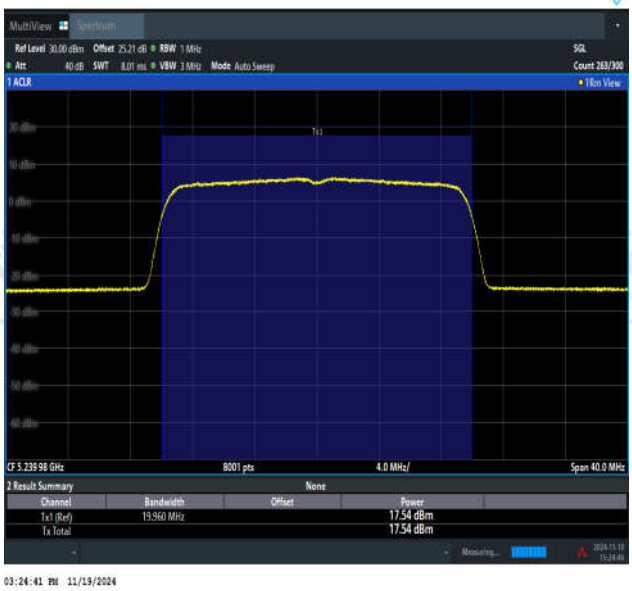


11BE20SISO-Ant1-5240-PASS



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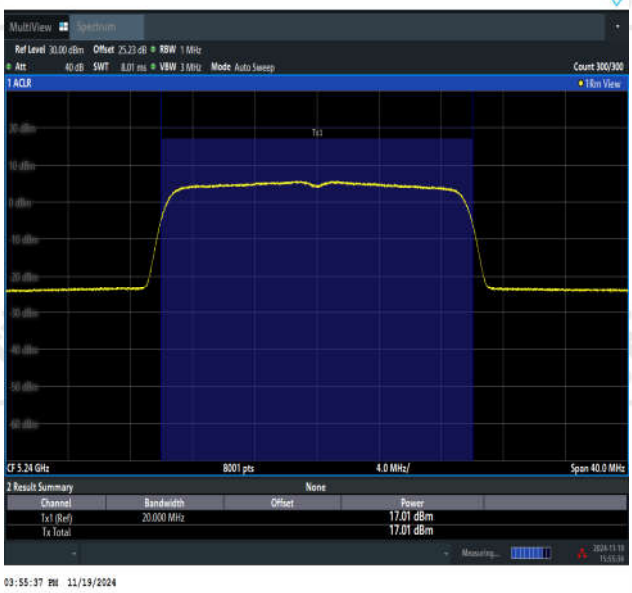

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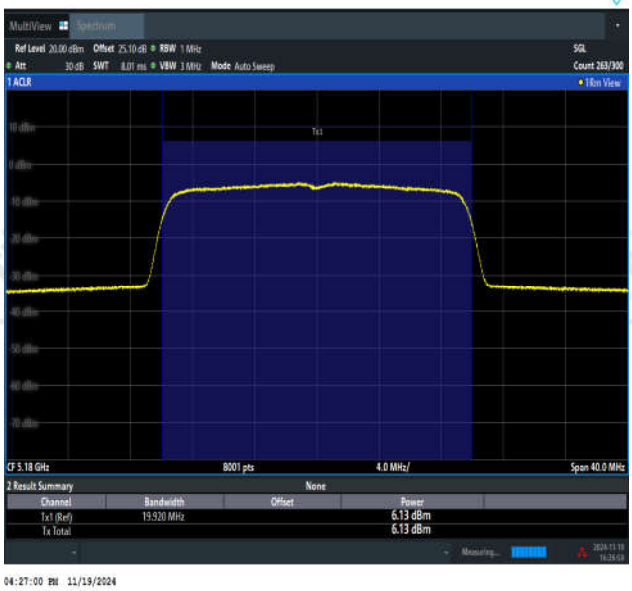
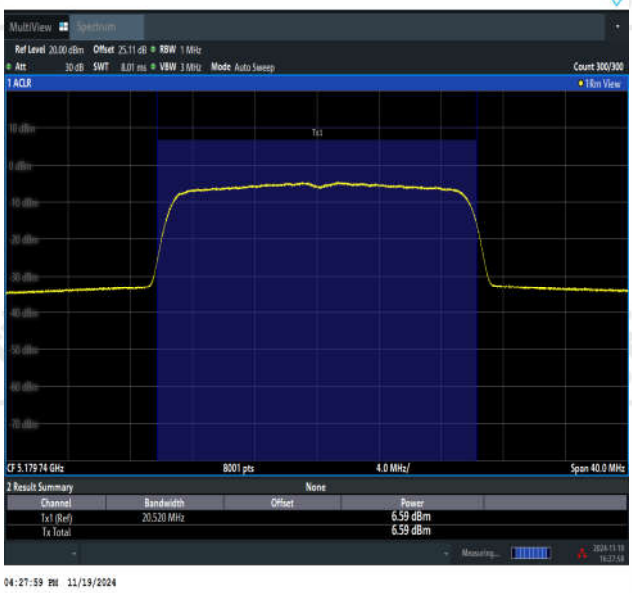
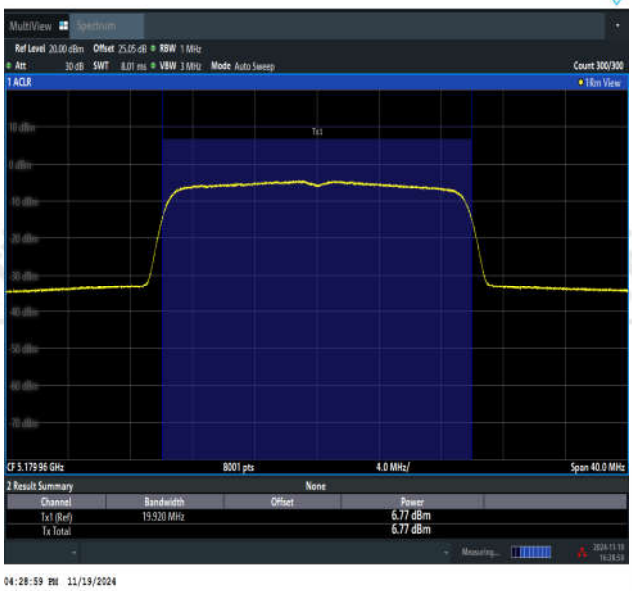


11BE20MIMO-Ant1-5180-PASS



11BE20MIMO-Ant2-5180-PASS



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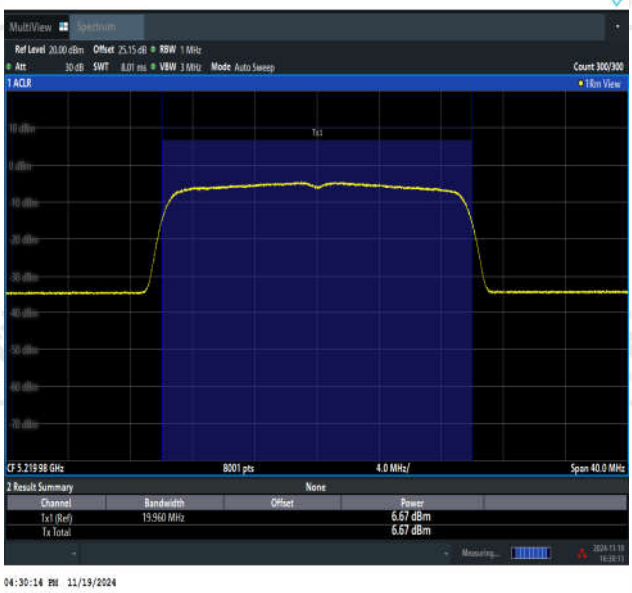
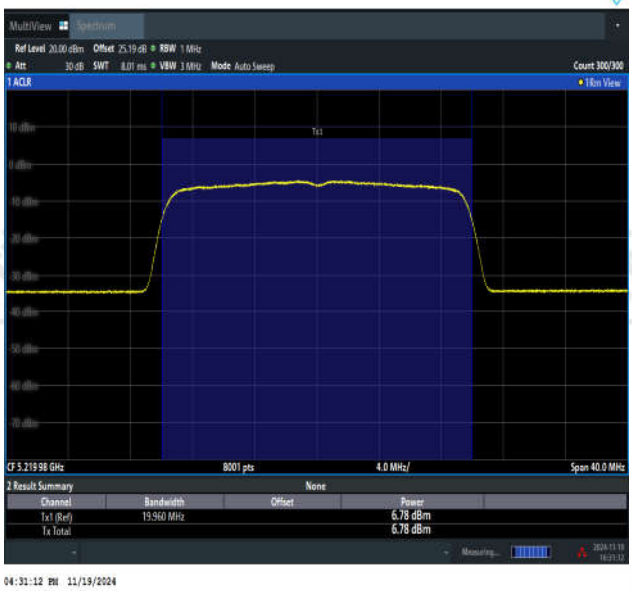
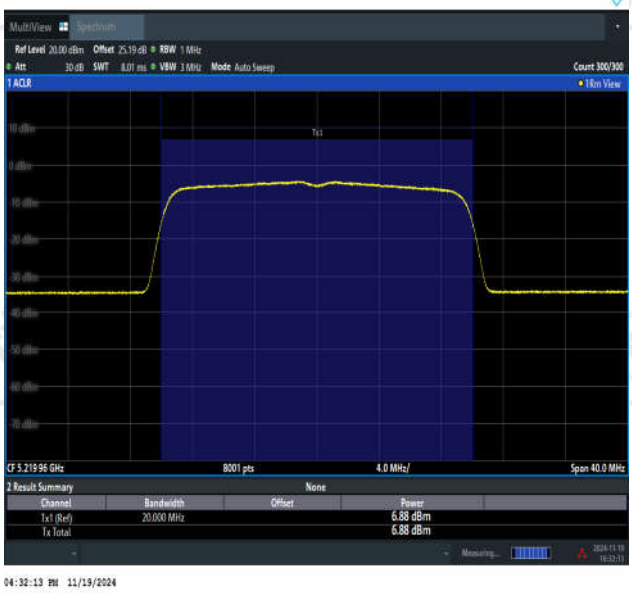


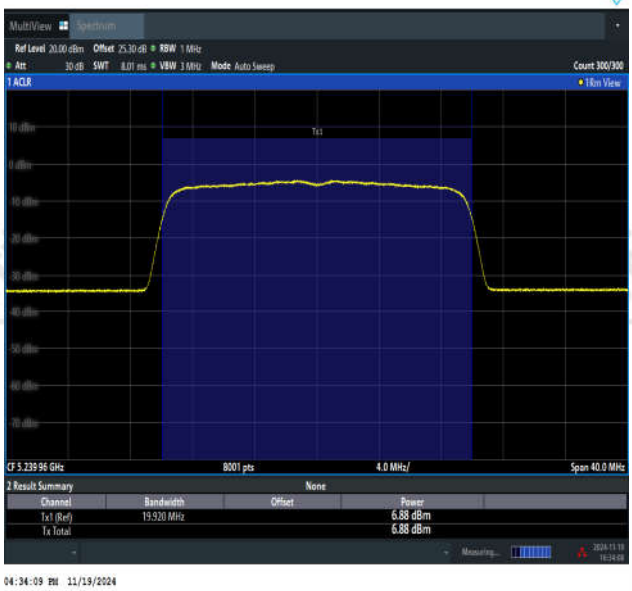
11BE20MIMO-Ant1-5220-PASS



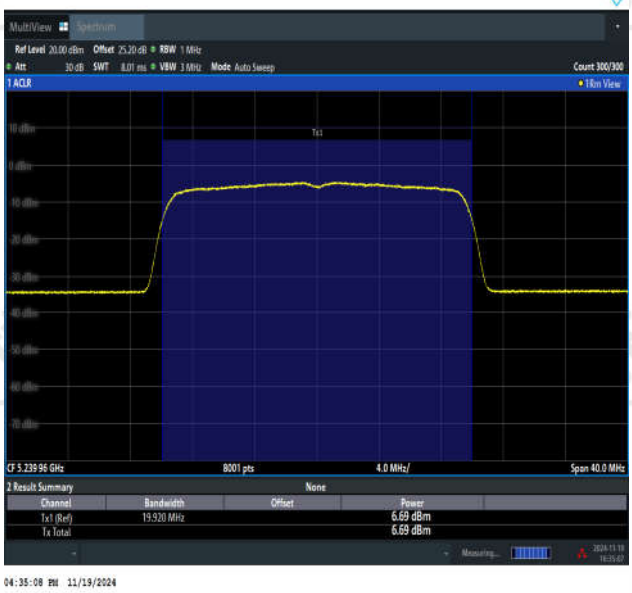
11BE20MIMO-Ant2-5220-PASS



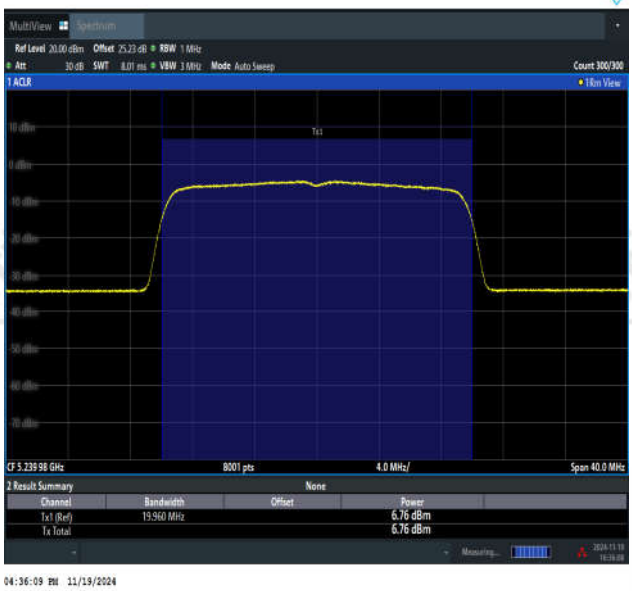
11BE20MIMO-Ant3-5220-PASS



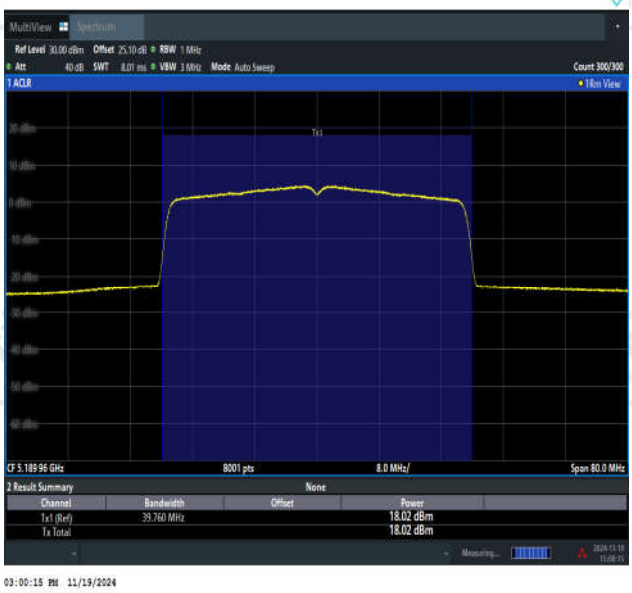
11BE20MIMO-Ant1-5240-PASS



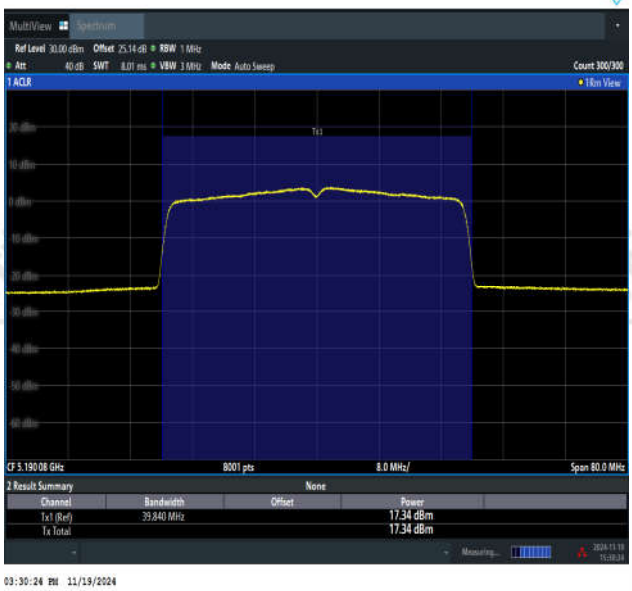
11BE20MIMO-Ant2-5240-PASS



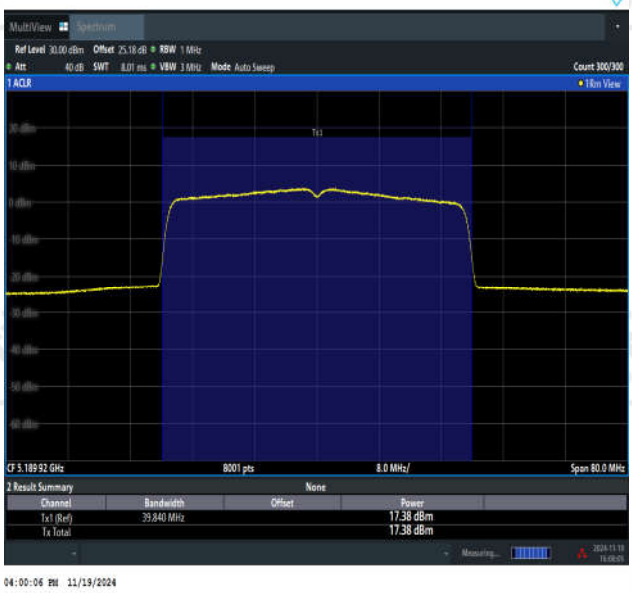
11BE20MIMO-Ant3-5240-PASS



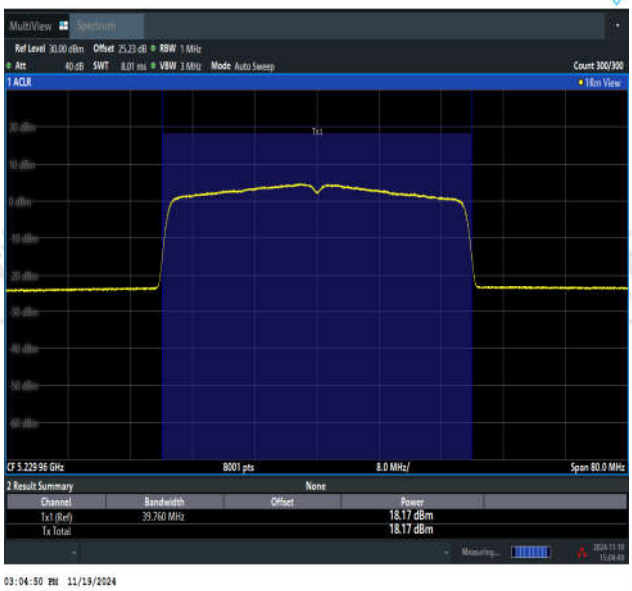
11BE40SISO-Ant1-5190-PASS



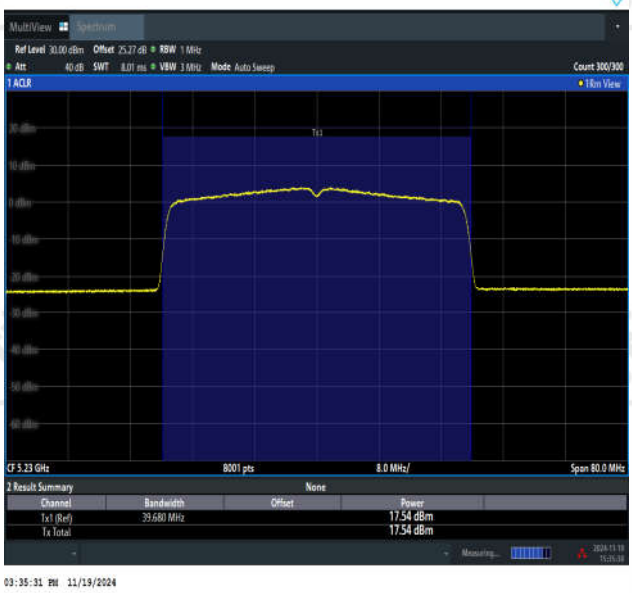
11BE40SISO-Ant2-5190-PASS



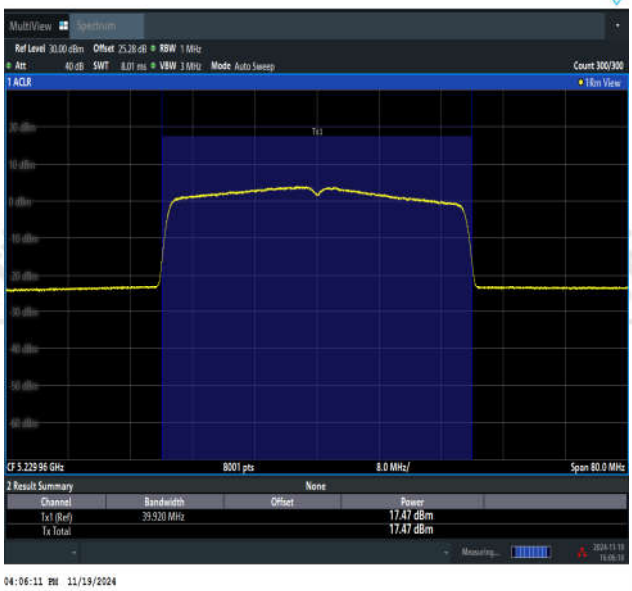
11BE40SISO-Ant3-5190-PASS



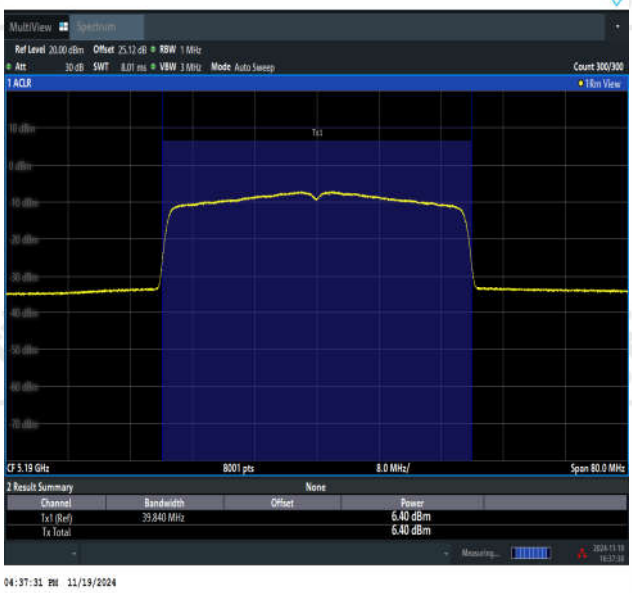
11BE40SISO-Ant1-5230-PASS



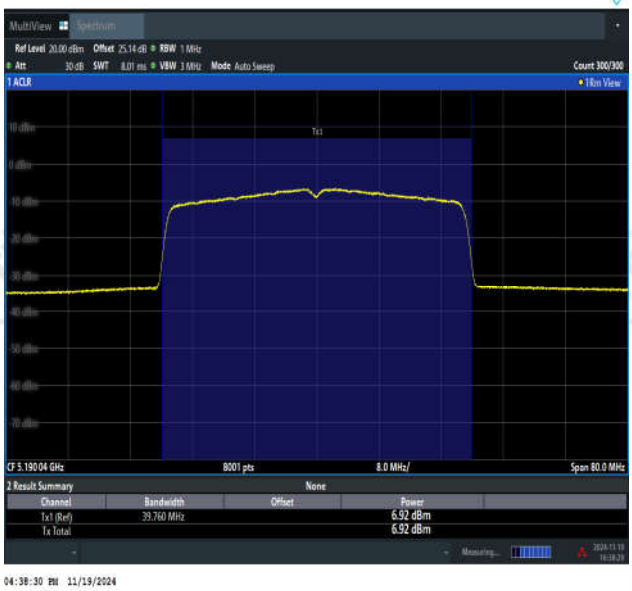
11BE40SISO-Ant2-5230-PASS



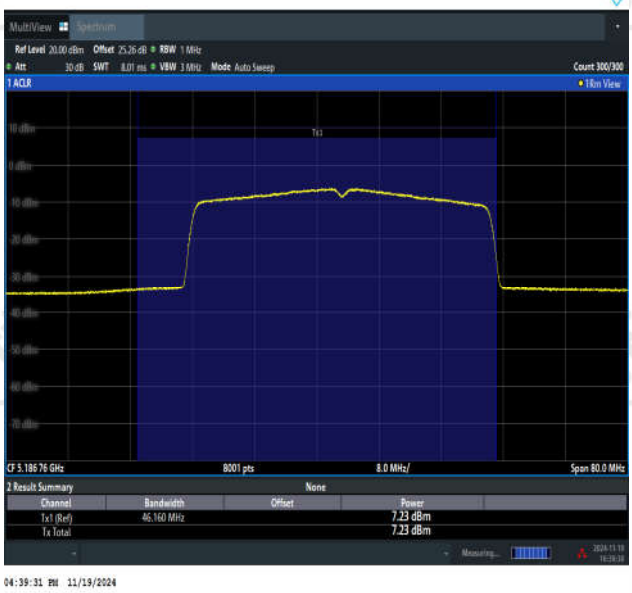
11BE40SISO-Ant3-5230-PASS



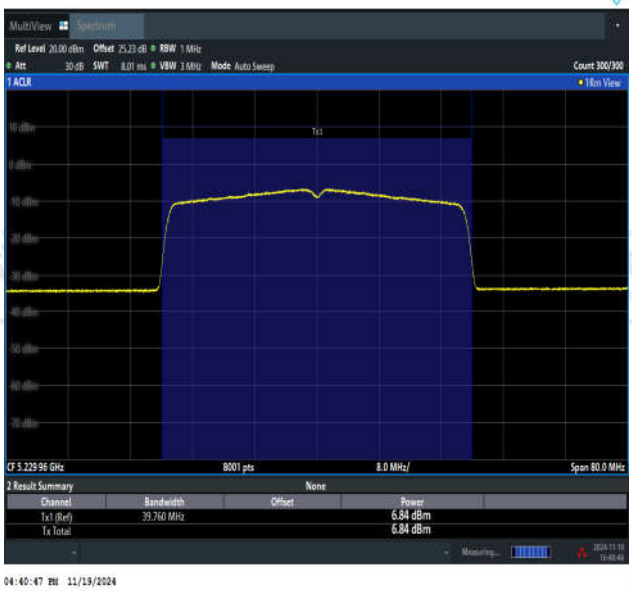
11BE40MIMO-Ant1-5190-PASS



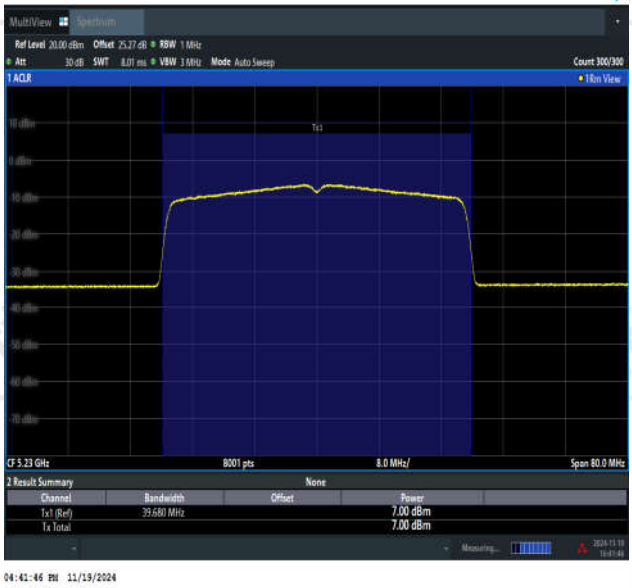
11BE40MIMO-Ant2-5190-PASS



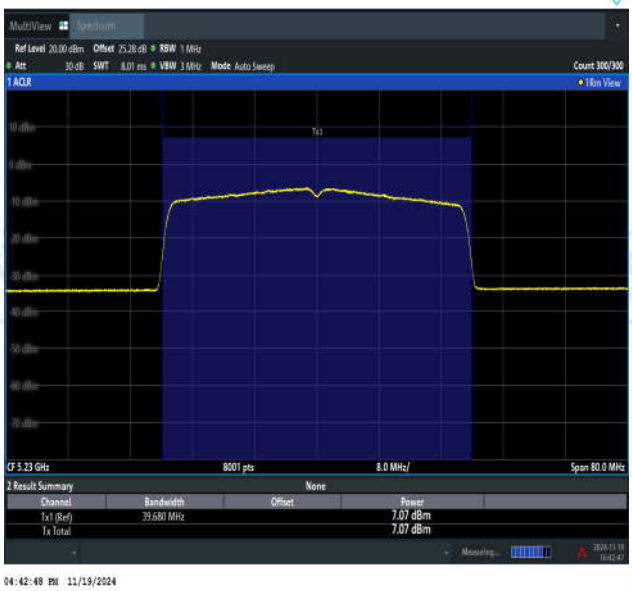
11BE40MIMO-Ant3-5190-PASS



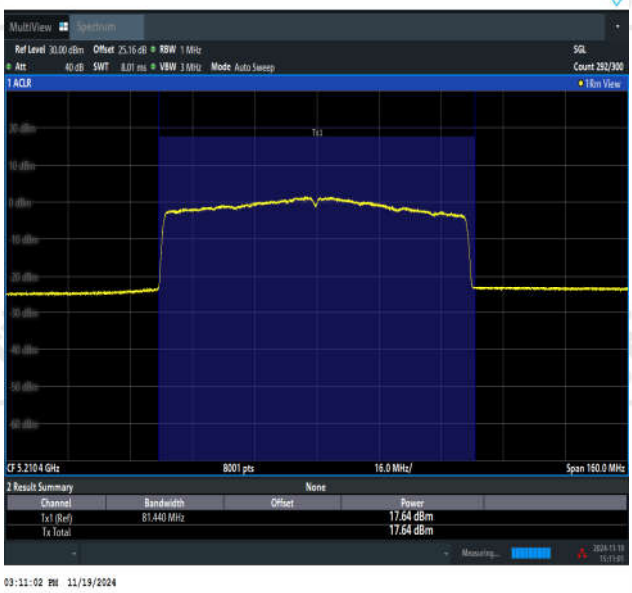
11BE40MIMO-Ant1-5230-PASS



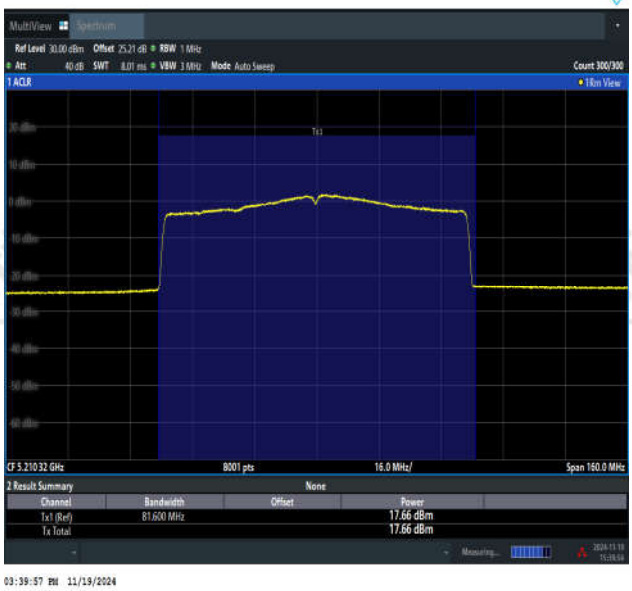
11BE40MIMO-Ant2-5230-PASS



11BE40MIMO-Ant3-5230-PASS



11BE80SISO-Ant1-5210-PASS



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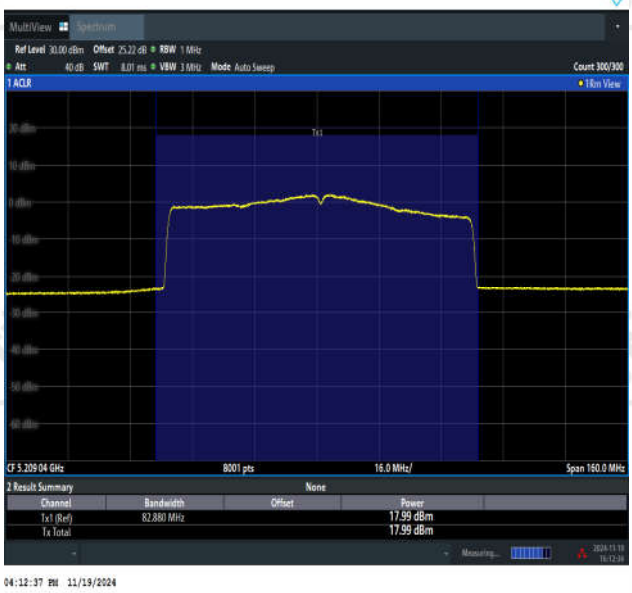
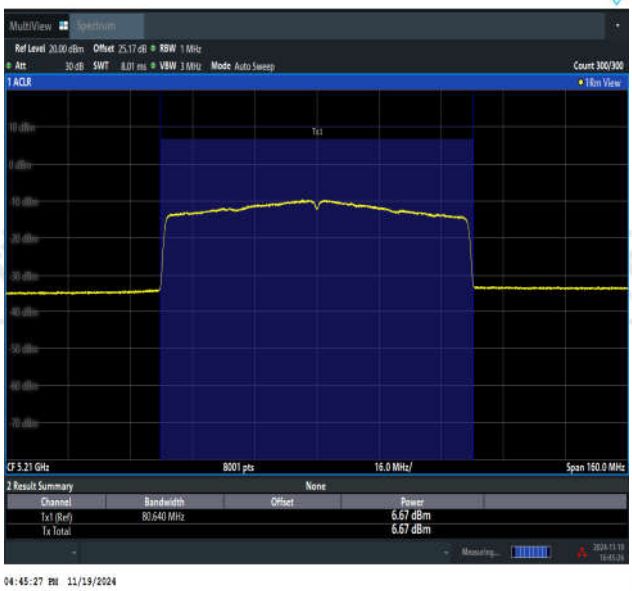


11BE80SISO-Ant3-5210-PASS



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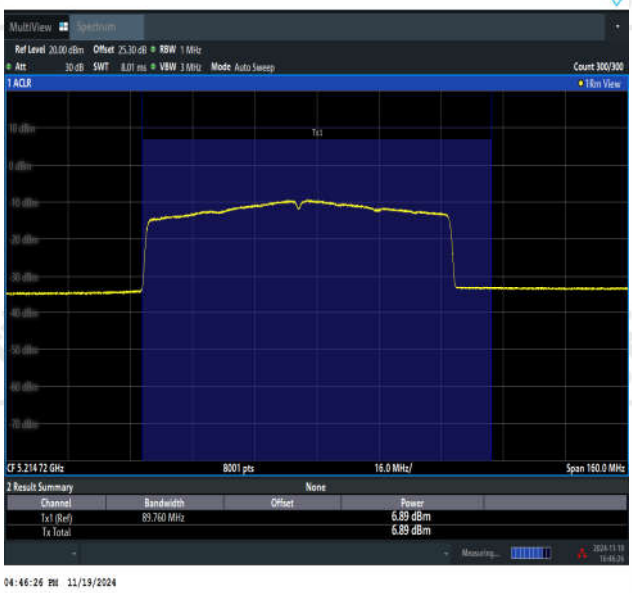

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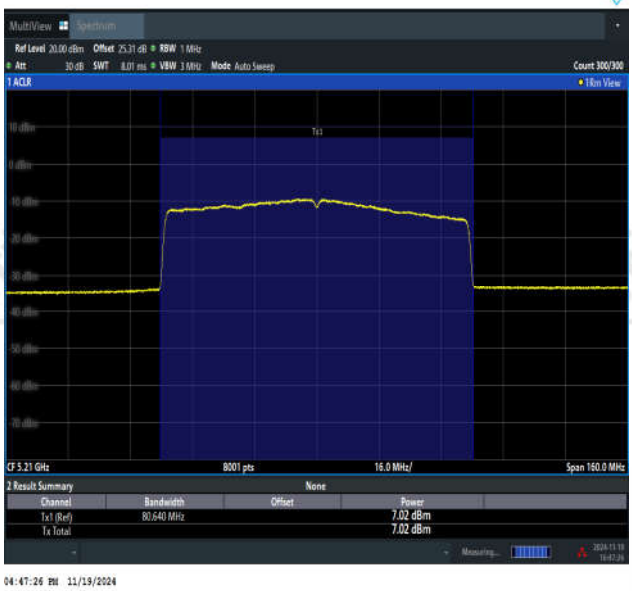

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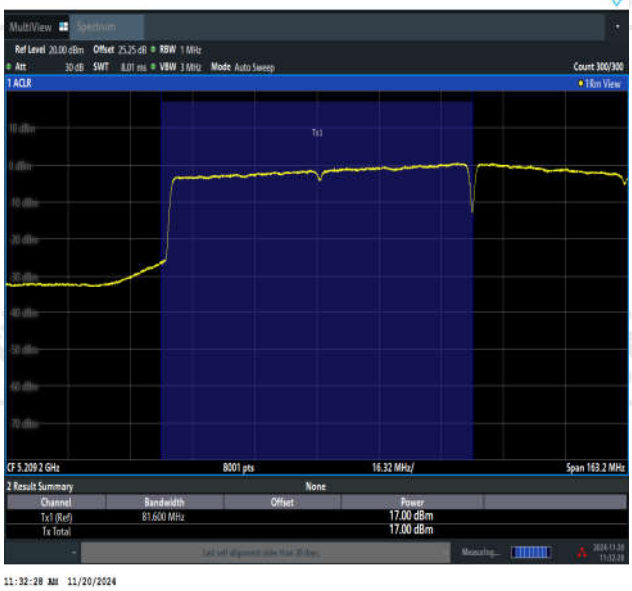
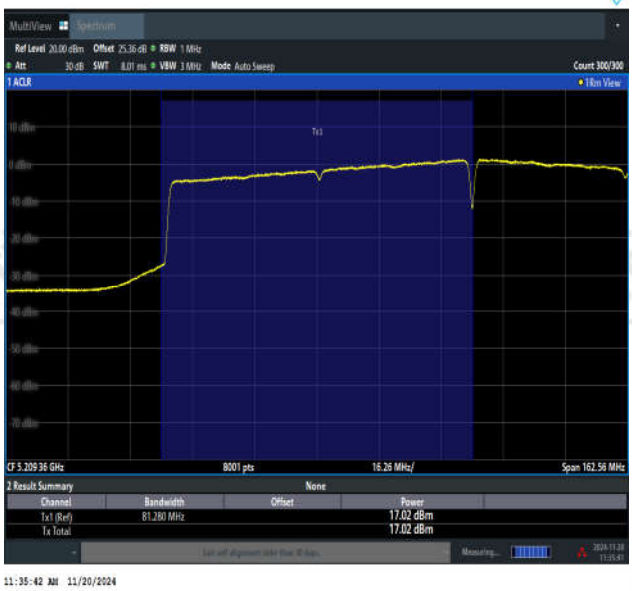
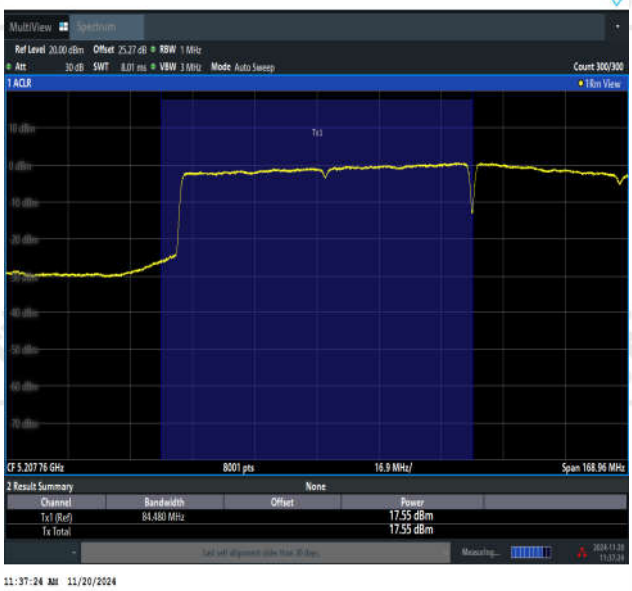


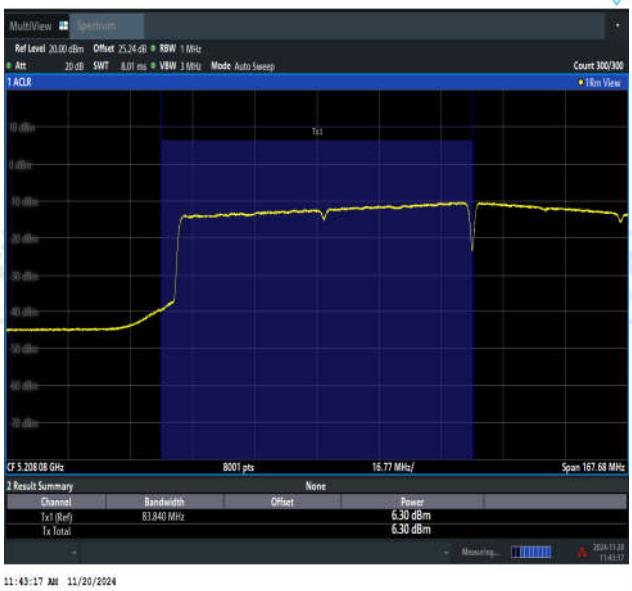
11BE160SISO-Ant1-5250_UNII-1-TPC_H-PASS



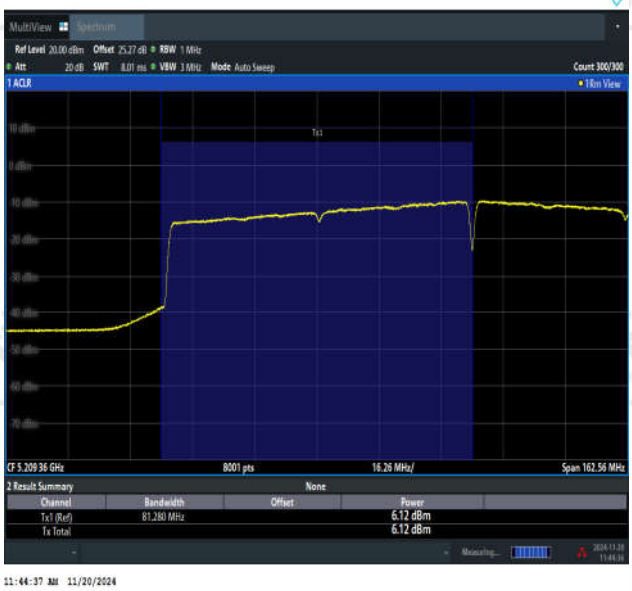
11BE160SISO-Ant2-5250_UNII-1-TPC_H-PASS



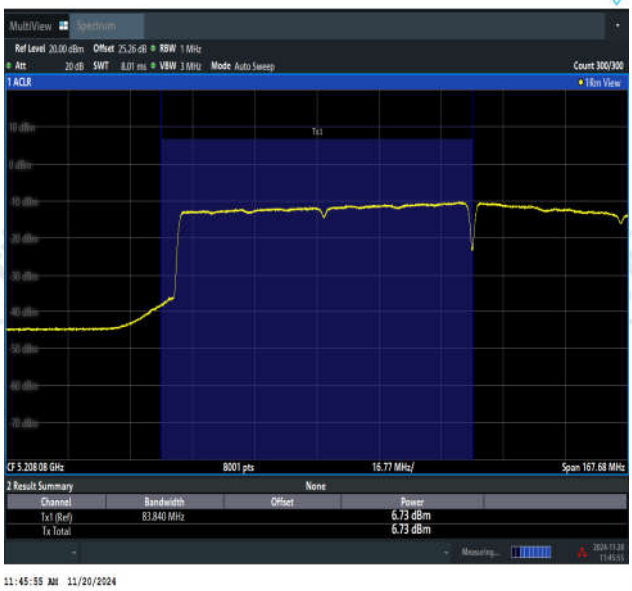
11BE160SISO-Ant3-5250_UNII-1-TPC_H-PASS



11BE160MIMO-Ant1-5250_UNII-1-TPC_H-PASS



11BE160MIMO-Ant2-5250_UNII-1-TPC_H-PASS



11BE160MIMO-Ant3-5250_UNII-1-TPC_H-PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.14	17.00	PASS
11A	Ant2	5180	6.40	17.00	PASS
11A	Ant3	5180	6.08	17.00	PASS
11A	Ant1	5220	5.57	17.00	PASS
11A	Ant2	5220	6.28	17.00	PASS
11A	Ant3	5220	6.11	17.00	PASS
11A	Ant1	5240	6.17	17.00	PASS
11A	Ant2	5240	6.25	17.00	PASS
11A	Ant3	5240	5.93	17.00	PASS
11N20SISO	Ant1	5180	5.87	17.00	PASS
11N20SISO	Ant2	5180	5.98	17.00	PASS
11N20SISO	Ant3	5180	5.78	17.00	PASS
11N20SISO	Ant1	5220	5.78	17.00	PASS
11N20SISO	Ant2	5220	6.04	17.00	PASS
11N20SISO	Ant3	5220	5.66	17.00	PASS
11N20SISO	Ant1	5240	5.90	17.00	PASS
11N20SISO	Ant2	5240	6.05	17.00	PASS
11N20SISO	Ant3	5240	6.20	17.00	PASS
11N20MIMO	Ant1	5180	-5.54	17.00	PASS
11N20MIMO	Ant2	5180	-5.37	17.00	PASS
11N20MIMO	Ant3	5180	-4.83	17.00	PASS
11N20MIMO	total	5180	-0.46	7.21	PASS
11N20MIMO	Ant1	5220	-5.19	17.00	PASS
11N20MIMO	Ant2	5220	-5.16	17.00	PASS
11N20MIMO	Ant3	5220	-5.03	17.00	PASS
11N20MIMO	total	5220	-0.35	7.21	PASS
11N20MIMO	Ant2	5240	-5.14	17.00	PASS
11N20MIMO	Ant3	5240	-5.03	17.00	PASS
11N20MIMO	total	5240	-0.21	7.21	PASS
11N20MIMO	Ant1	5240	-4.79	17.00	PASS
11N40SISO	Ant1	5190	4.72	17.00	PASS
11N40SISO	Ant2	5190	4.57	17.00	PASS
11N40SISO	Ant3	5190	4.00	17.00	PASS
11N40SISO	Ant1	5230	4.71	17.00	PASS
11N40SISO	Ant2	5230	4.41	17.00	PASS
11N40SISO	Ant3	5230	4.27	17.00	PASS

11N40MIMO	Ant1	5190	-6.28	17.00	PASS
11N40MIMO	Ant2	5190	-6.30	17.00	PASS
11N40MIMO	Ant3	5190	-5.83	17.00	PASS
11N40MIMO	total	5190	-1.36	7.21	PASS
11N40MIMO	Ant1	5230	-5.94	17.00	PASS
11N40MIMO	Ant2	5230	-6.35	17.00	PASS
11N40MIMO	Ant3	5230	-6.08	17.00	PASS
11N40MIMO	total	5230	-1.35	7.21	PASS
11AC20SISO	Ant1	5180	5.85	17.00	PASS
11AC20SISO	Ant2	5180	6.27	17.00	PASS
11AC20SISO	Ant3	5180	6.05	17.00	PASS
11AC20SISO	Ant1	5220	6.01	17.00	PASS
11AC20SISO	Ant2	5220	6.27	17.00	PASS
11AC20SISO	Ant3	5220	6.14	17.00	PASS
11AC20SISO	Ant1	5240	5.57	17.00	PASS
11AC20SISO	Ant2	5240	6.13	17.00	PASS
11AC20SISO	Ant3	5240	6.01	17.00	PASS
11AC20MIMO	Ant1	5180	-5.60	17.00	PASS
11AC20MIMO	Ant2	5180	-5.34	17.00	PASS
11AC20MIMO	Ant3	5180	-4.88	17.00	PASS
11AC20MIMO	total	5180	-0.49	7.21	PASS
11AC20MIMO	Ant1	5220	-5.08	17.00	PASS
11AC20MIMO	Ant2	5220	-5.28	17.00	PASS
11AC20MIMO	Ant3	5220	-4.91	17.00	PASS
11AC20MIMO	total	5220	-0.32	7.21	PASS
11AC20MIMO	Ant1	5240	-4.81	17.00	PASS
11AC20MIMO	Ant2	5240	-5.15	17.00	PASS
11AC20MIMO	Ant3	5240	-5.00	17.00	PASS
11AC20MIMO	total	5240	-0.21	7.21	PASS
11AC40SISO	Ant1	5190	4.53	17.00	PASS
11AC40SISO	Ant2	5190	4.53	17.00	PASS
11AC40SISO	Ant3	5190	4.52	17.00	PASS
11AC40SISO	Ant1	5230	4.71	17.00	PASS
11AC40SISO	Ant2	5230	4.81	17.00	PASS
11AC40SISO	Ant3	5230	4.63	17.00	PASS
11AC40MIMO	Ant1	5190	-6.38	17.00	PASS
11AC40MIMO	Ant2	5190	-6.37	17.00	PASS
11AC40MIMO	Ant3	5190	-5.81	17.00	PASS
11AC40MIMO	total	5190	-1.41	7.21	PASS
11AC40MIMO	Ant1	5230	-5.89	17.00	PASS
11AC40MIMO	Ant2	5230	-6.25	17.00	PASS

11AC40MIMO	Ant3	5230	-5.89	17.00	PASS
11AC40MIMO	total	5230	-1.24	7.21	PASS
11AC80SISO	Ant1	5210	1.74	17.00	PASS
11AC80SISO	Ant2	5210	1.69	17.00	PASS
11AC80SISO	Ant3	5210	1.48	17.00	PASS
11AC80MIMO	Ant1	5210	-9.33	17.00	PASS
11AC80MIMO	Ant2	5210	-9.08	17.00	PASS
11AC80MIMO	Ant3	5210	-8.89	17.00	PASS
11AC80MIMO	total	5210	-4.33	7.21	PASS
11AC160SISO	Ant1	5250_UNII-1	-1.41	17.00	PASS
11AC160SISO	Ant2	5250_UNII-1	-1.24	17.00	PASS
11AC160SISO	Ant3	5250_UNII-1	-0.98	17.00	PASS
11AC160MIMO	Ant1	5250_UNII-1	-12.49	17.00	PASS
11AC160MIMO	Ant2	5250_UNII-1	-11.58	17.00	PASS
11AC160MIMO	total	5250_UNII-1	-7.24	7.21	PASS
11AC160MIMO	Ant3	5250_UNII-1	-12.00	17.00	PASS
11AX20SISO	Ant1	5180	5.82	17.00	PASS
11AX20SISO	Ant2	5180	6.64	17.00	PASS
11AX20SISO	Ant3	5180	5.94	17.00	PASS
11AX20SISO	Ant1	5220	5.84	17.00	PASS
11AX20SISO	Ant2	5220	6.41	17.00	PASS
11AX20SISO	Ant3	5220	5.94	17.00	PASS
11AX20SISO	Ant1	5240	5.66	17.00	PASS
11AX20SISO	Ant2	5240	6.32	17.00	PASS
11AX20SISO	Ant3	5240	6.03	17.00	PASS
11AX20MIMO	Ant1	5180	-5.56	17.00	PASS
11AX20MIMO	Ant2	5180	-4.98	17.00	PASS
11AX20MIMO	Ant3	5180	-4.78	17.00	PASS
11AX20MIMO	total	5180	-0.32	7.21	PASS
11AX20MIMO	Ant1	5220	-5.12	17.00	PASS
11AX20MIMO	Ant2	5220	-5.15	17.00	PASS
11AX20MIMO	Ant3	5220	-4.81	17.00	PASS
11AX20MIMO	total	5220	-0.25	7.21	PASS
11AX20MIMO	Ant1	5240	-4.91	17.00	PASS
11AX20MIMO	Ant2	5240	-5.28	17.00	PASS
11AX20MIMO	Ant3	5240	-4.92	17.00	PASS
11AX20MIMO	total	5240	-0.26	7.21	PASS
11AX40SISO	Ant1	5190	4.54	17.00	PASS
11AX40SISO	Ant2	5190	4.64	17.00	PASS
11AX40SISO	Ant3	5190	4.54	17.00	PASS
11AX40SISO	Ant1	5230	4.53	17.00	PASS

11AX40SISO	Ant2	5230	4.31	17.00	PASS
11AX40SISO	Ant3	5230	4.15	17.00	PASS
11AX40MIMO	Ant1	5190	-6.34	17.00	PASS
11AX40MIMO	Ant2	5190	-6.31	17.00	PASS
11AX40MIMO	Ant3	5190	-5.40	17.00	PASS
11AX40MIMO	total	5190	-1.22	7.21	PASS
11AX40MIMO	Ant1	5230	-6.05	17.00	PASS
11AX40MIMO	Ant2	5230	-6.28	17.00	PASS
11AX40MIMO	Ant3	5230	-5.75	17.00	PASS
11AX40MIMO	total	5230	-1.25	7.21	PASS
11AX80SISO	Ant1	5210	1.62	17.00	PASS
11AX80SISO	Ant2	5210	1.27	17.00	PASS
11AX80SISO	Ant3	5210	1.25	17.00	PASS
11AX80MIMO	Ant1	5210	-9.31	17.00	PASS
11AX80MIMO	Ant2	5210	-9.06	17.00	PASS
11AX80MIMO	Ant3	5210	-8.89	17.00	PASS
11AX80MIMO	total	5210	-4.31	7.21	PASS
11AX160SISO	Ant1	5250_UNII-1	-1.71	17.00	PASS
11AX160SISO	Ant2	5250_UNII-1	-1.21	17.00	PASS
11AX160SISO	Ant3	5250_UNII-1	-1.58	17.00	PASS
11AX160MIMO	Ant1	5250_UNII-1	-12.54	17.00	PASS
11AX160MIMO	Ant2	5250_UNII-1	-11.97	17.00	PASS
11AX160MIMO	Ant3	5250_UNII-1	-12.52	17.00	PASS
11AX160MIMO	total	5250_UNII-1	-7.56	7.21	PASS
11BE20SISO	Ant1	5180	7.23	17.00	PASS
11BE20SISO	Ant2	5180	7.59	17.00	PASS
11BE20SISO	Ant3	5180	7.11	17.00	PASS
11BE20SISO	Ant1	5220	7.46	17.00	PASS
11BE20SISO	Ant2	5220	7.02	17.00	PASS
11BE20SISO	Ant3	5220	7.27	17.00	PASS
11BE20SISO	Ant1	5240	7.72	17.00	PASS
11BE20SISO	Ant2	5240	7.57	17.00	PASS
11BE20SISO	Ant3	5240	7.55	17.00	PASS
11BE20MIMO	Ant1	5180	-5.05	17.00	PASS
11BE20MIMO	Ant2	5180	-4.48	17.00	PASS
11BE20MIMO	Ant3	5180	-4.29	17.00	PASS
11BE20MIMO	total	5180	0.18	7.21	PASS
11BE20MIMO	Ant1	5220	-4.59	17.00	PASS
11BE20MIMO	Ant2	5220	-4.20	17.00	PASS
11BE20MIMO	Ant3	5220	-4.14	17.00	PASS
11BE20MIMO	total	5220	0.47	7.21	PASS

11BE20MIMO	Ant1	5240	-4.16	17.00	PASS
11BE20MIMO	Ant2	5240	-4.23	17.00	PASS
11BE20MIMO	Ant3	5240	-4.35	17.00	PASS
11BE20MIMO	total	5240	0.53	7.21	PASS
11BE40SISO	Ant1	5190	5.87	17.00	PASS
11BE40SISO	Ant2	5190	5.62	17.00	PASS
11BE40SISO	Ant3	5190	5.76	17.00	PASS
11BE40SISO	Ant1	5230	5.73	17.00	PASS
11BE40SISO	Ant2	5230	5.71	17.00	PASS
11BE40SISO	Ant3	5230	5.98	17.00	PASS
11BE40MIMO	Ant1	5190	-6.88	17.00	PASS
11BE40MIMO	Ant2	5190	-6.59	17.00	PASS
11BE40MIMO	Ant3	5190	-6.05	17.00	PASS
11BE40MIMO	total	5190	-1.72	7.21	PASS
11BE40MIMO	Ant1	5230	-6.53	17.00	PASS
11BE40MIMO	Ant2	5230	-6.32	17.00	PASS
11BE40MIMO	Ant3	5230	-6.56	17.00	PASS
11BE40MIMO	total	5230	-1.70	7.21	PASS
11BE80SISO	Ant1	5210	2.48	17.00	PASS
11BE80SISO	Ant2	5210	2.56	17.00	PASS
11BE80SISO	Ant3	5210	2.65	17.00	PASS
11BE80MIMO	Ant1	5210	-9.66	17.00	PASS
11BE80MIMO	Ant2	5210	-9.28	17.00	PASS
11BE80MIMO	Ant3	5210	-9.21	17.00	PASS
11BE80MIMO	total	5210	-4.61	7.21	PASS
11BE160SISO	Ant1	5250_UNII-1	0.28	17.00	PASS
11BE160SISO	Ant2	5250_UNII-1	1.64	17.00	PASS
11BE160SISO	Ant3	5250_UNII-1	0.59	17.00	PASS
11BE160MIMO	Ant1	5250_UNII-1	-10.32	17.00	PASS
11BE160MIMO	Ant2	5250_UNII-1	-9.82	17.00	PASS
11BE160MIMO	Ant3	5250_UNII-1	-10.60	17.00	PASS
11BE160MIMO	total	5250_UNII-1	-5.46	7.21	PASS

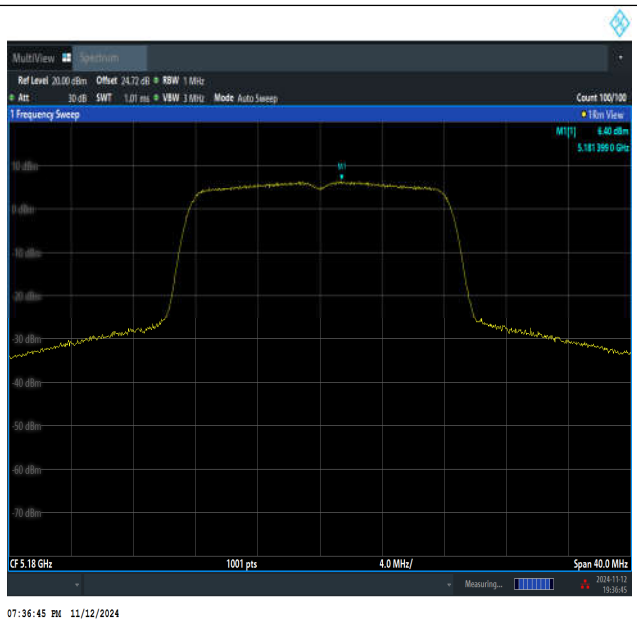
Note:

①The Duty Cycle Factor and RBW Factor is compensated in the graph.

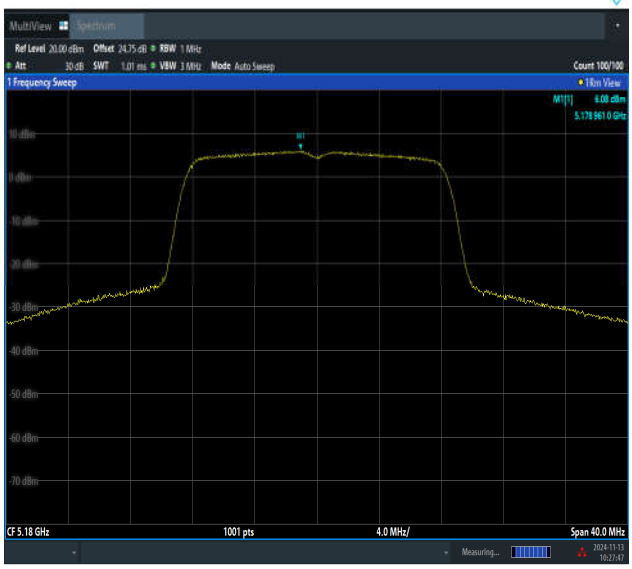
②Directional gain(dBi)=6.52+10*lg(3)+4.50=15.79dBi;

Test Graphs

11A-Ant1-5180-PASS

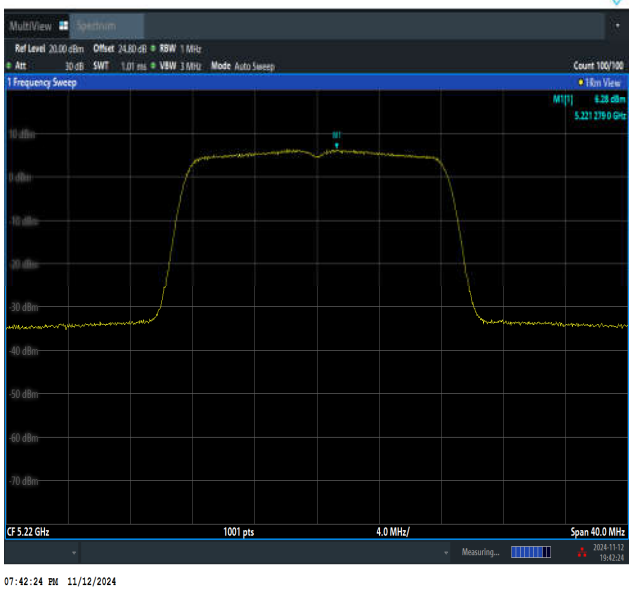


11A-Ant2-5180-PASS



11A-Ant3-5180-PASS

11A-Ant1-5220-PASS



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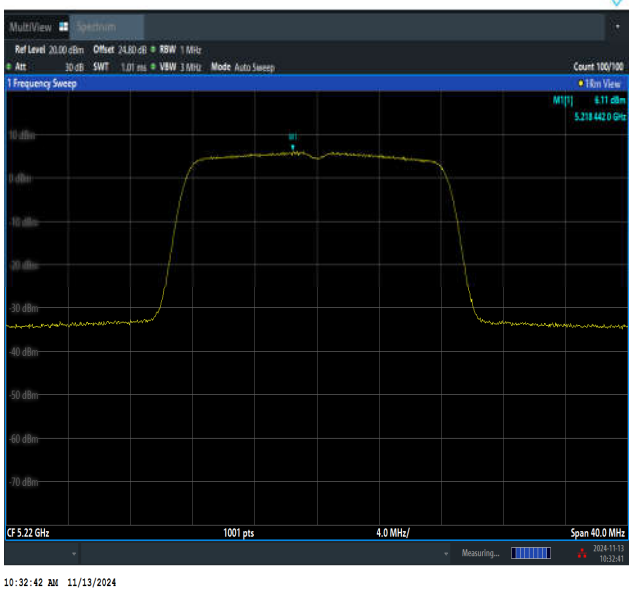

11A-Ant3-5220-PASS