Detector	RMS
RBW	500 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Note:

1. For UNII-3, according to KdB publication 789033 D02 General U-NII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.

2. The value measured with RBW=300kHz is to be added with 10log(500kHz/300kHz) which is 2.2dB. For example, if the measured value is +30 dBm using RBW=300kHz (that is +30 dBm/300kHz), then the converted value will be +32.2 dBm/1MHz.

3. Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

11.4. Test Result

Test Mode	Ant.	Freq. (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	EIRP	Limit(dBm/MHz)	Verdict
11A	Ant1	5180	1.71	≤11.00	6.59	≤10.00	PASS
	Ant2	5180	4.25	≤11.00	9.13	≤10.00	PASS
	Ant1	5200	2.92	≤11.00	7.8	≤10.00	PASS
	Ant2	5200	3.98	≤11.00	8.86	≤10.00	PASS
	Ant1	5240	2.77	≤11.00	7.65	≤10.00	PASS
	Ant2	5240	3.26	≤11.00	8.14	≤10.00	PASS
	Ant1	5260	2.78	≤11.00	---	---	PASS
	Ant2	5260	3.24	≤11.00	---	---	PASS
	Ant1	5280	2.77	≤11.00	---	---	PASS
	Ant2	5280	2.73	≤11.00	---	---	PASS
	Ant1	5320	0.01	≤11.00	---	---	PASS
	Ant2	5320	2.22	≤11.00	---	---	PASS
	Ant1	5500	1.95	≤11.00	---	---	PASS
	Ant2	5500	-1.65	≤11.00	---	---	PASS
	Ant1	5580	4.18	≤11.00	---	---	PASS
	Ant2	5580	0.40	≤11.00	---	---	PASS
	Ant1	5700	-0.42	≤11.00	---	---	PASS
	Ant2	5700	1.21	≤11.00	---	---	PASS
	Ant1	5720_UNII-2C	3.83	≤11.00	---	---	PASS
	Ant2	5720_UNII-2C	2.69	≤11.00	---	---	PASS
11N20MIMO	Ant1	5180	-2.21	≤11.00	2.67	≤10.00	PASS
	Ant2	5180	-1.95	≤11.00	2.93	≤10.00	PASS
	total	5180	0.93	≤9.11	5.81	≤8.11	PASS
	Ant1	5200	-0.24	≤11.00	4.64	≤10.00	PASS
	Ant2	5200	-0.06	≤11.00	4.82	≤10.00	PASS
	total	5200	2.86	≤9.11	7.74	≤8.11	PASS
	Ant1	5240	-0.77	≤11.00	4.11	≤10.00	PASS
	Ant2	5240	-0.43	≤11.00	4.45	≤10.00	PASS
	total	5240	2.41	≤9.11	7.29	≤8.11	PASS
	Ant1	5260	-0.71	≤11.00	---	---	PASS
	Ant2	5260	0.05	≤11.00	---	---	PASS
	total	5260	2.70	≤11.00	---	---	PASS

	Ant1	5280	-0.91	≤11.00	---	---	PASS
	Ant2	5280	-0.40	≤11.00	---	---	PASS
	total	5280	2.36	≤11.00	---	---	PASS
	Ant1	5320	-0.77	≤11.00	---	---	PASS
	Ant2	5320	-0.79	≤11.00	---	---	PASS
	total	5320	2.23	≤11.00	---	---	PASS
	Ant1	5500	-1.06	≤11.00	---	---	PASS
	Ant2	5500	-3.03	≤11.00	---	---	PASS
	total	5500	1.08	≤11.00	---	---	PASS
	Ant1	5580	0.16	≤11.00	---	---	PASS
	Ant2	5580	-2.51	≤11.00	---	---	PASS
	total	5580	2.04	≤11.00	---	---	PASS
	Ant1	5700	-2.82	≤11.00	---	---	PASS
	Ant2	5700	-3.17	≤11.00	---	---	PASS
	total	5700	0.02	≤11.00	---	---	PASS
	Ant1	5720_UNII-2C	0.49	≤11.00	---	---	PASS
	Ant2	5720_UNII-2C	-1.13	≤11.00	---	---	PASS
	total	5720_UNII-2C	2.77	≤11.00	---	---	PASS
11N40MIMO	Ant1	5190	-3.32	≤11.00	1.56	≤10.00	PASS
	Ant2	5190	-2.95	≤11.00	1.93	≤10.00	PASS
	total	5190	-0.12	≤9.11	4.76	≤8.11	PASS
	Ant1	5230	-3.39	≤11.00	1.49	≤10.00	PASS
	Ant2	5230	-3.15	≤11.00	1.73	≤10.00	PASS
	total	5230	-0.26	≤9.11	4.62	≤8.11	PASS
	Ant1	5270	-3.61	≤11.00	---	---	PASS
	Ant2	5270	-2.90	≤11.00	---	---	PASS
	total	5270	-0.23	≤11.00	---	---	PASS
	Ant1	5310	-3.61	≤11.00	---	---	PASS
	Ant2	5310	-3.67	≤11.00	---	---	PASS
	total	5310	-0.63	≤11.00	---	---	PASS
	Ant1	5510	-3.05	≤11.00	---	---	PASS
	Ant2	5510	-5.48	≤11.00	---	---	PASS
	total	5510	-1.09	≤11.00	---	---	PASS
	Ant1	5550	-2.69	≤11.00	---	---	PASS
	Ant2	5550	-5.44	≤11.00	---	---	PASS
	total	5550	-0.84	≤11.00	---	---	PASS
	Ant1	5670	-2.30	≤11.00	---	---	PASS
	Ant2	5670	-4.77	≤11.00	---	---	PASS
	total	5670	-0.35	≤11.00	---	---	PASS
	Ant1	5710_UNII-2C	-1.96	≤11.00	---	---	PASS
	Ant2	5710_UNII-2C	-4.20	≤11.00	---	---	PASS
	total	5710_UNII-2C	0.07	≤11.00	---	---	PASS
11AC20MIMO	Ant1	5180	-1.97	≤11.00	2.91	≤10.00	PASS
	Ant2	5180	-1.98	≤11.00	2.9	≤10.00	PASS
	total	5180	1.04	≤9.11	5.92	≤8.11	PASS
	Ant1	5200	-0.27	≤11.00	4.61	≤10.00	PASS
	Ant2	5200	0.06	≤11.00	4.94	≤10.00	PASS
	total	5200	2.91	≤9.11	7.79	≤8.11	PASS
	Ant1	5240	-0.50	≤11.00	4.38	≤10.00	PASS

	Ant2	5240	-0.49	≤11.00	4.39	≤10.00	PASS
	total	5240	2.52	≤9.11	7.4	≤8.11	PASS
	Ant1	5260	-0.22	≤11.00	---	---	PASS
	Ant2	5260	0.11	≤11.00	---	---	PASS
	total	5260	2.96	≤11.00	---	---	PASS
	Ant1	5280	-0.68	≤11.00	---	---	PASS
	Ant2	5280	-0.61	≤11.00	---	---	PASS
	total	5280	2.37	≤11.00	---	---	PASS
	Ant1	5320	-3.45	≤11.00	---	---	PASS
	Ant2	5320	-2.83	≤11.00	---	---	PASS
	total	5320	-0.12	≤11.00	---	---	PASS
	Ant1	5500	-1.10	≤11.00	---	---	PASS
	Ant2	5500	-3.01	≤11.00	---	---	PASS
	total	5500	1.06	≤11.00	---	---	PASS
	Ant1	5580	0.43	≤11.00	---	---	PASS
	Ant2	5580	-2.32	≤11.00	---	---	PASS
	total	5580	2.28	≤11.00	---	---	PASS
	Ant1	5700	-2.01	≤11.00	---	---	PASS
	Ant2	5700	-1.71	≤11.00	---	---	PASS
	total	5700	1.15	≤11.00	---	---	PASS
	Ant1	5720_UNII-2C	0.70	≤11.00	---	---	PASS
	Ant2	5720_UNII-2C	-1.12	≤11.00	---	---	PASS
	total	5720_UNII-2C	2.89	≤11.00	---	---	PASS
11AC40MIMO	Ant1	5190	-3.18	≤11.00	1.7	≤10.00	PASS
	Ant2	5190	-2.95	≤11.00	1.93	≤10.00	PASS
	total	5190	-0.05	≤9.11	4.83	≤8.11	PASS
	Ant1	5230	-3.52	≤11.00	1.36	≤10.00	PASS
	Ant2	5230	-3.28	≤11.00	1.6	≤10.00	PASS
	total	5230	-0.39	≤9.11	4.49	≤8.11	PASS
	Ant1	5270	-3.61	≤11.00	---	---	PASS
	Ant2	5270	-3.40	≤11.00	---	---	PASS
	total	5270	-0.49	≤11.00	---	---	PASS
	Ant1	5310	-4.07	≤11.00	---	---	PASS
	Ant2	5310	-3.85	≤11.00	---	---	PASS
	total	5310	-0.95	≤11.00	---	---	PASS
	Ant1	5510	-2.96	≤11.00	---	---	PASS
	Ant2	5510	-5.87	≤11.00	---	---	PASS
	total	5510	-1.17	≤11.00	---	---	PASS
	Ant1	5550	-2.94	≤11.00	---	---	PASS
	Ant2	5550	-5.48	≤11.00	---	---	PASS
	total	5550	-1.02	≤11.00	---	---	PASS
	Ant1	5670	-2.41	≤11.00	---	---	PASS
	Ant2	5670	-4.94	≤11.00	---	---	PASS
	total	5670	-0.48	≤11.00	---	---	PASS
	Ant1	5710_UNII-2C	-2.01	≤11.00	---	---	PASS
	Ant2	5710_UNII-2C	-4.06	≤11.00	---	---	PASS
	total	5710_UNII-2C	0.10	≤11.00	---	---	PASS
11AC80MIMO	Ant1	5210	-6.73	≤11.00	-1.85	≤10.00	PASS
	Ant2	5210	-6.68	≤11.00	-1.8	≤10.00	PASS

	total	5210	-3.69	≤9.11	1.19	≤8.11	PASS
	Ant1	5290	-7.34	≤11.00	---	---	PASS
	Ant2	5290	-7.17	≤11.00	---	---	PASS
	total	5290	-4.24	≤11.00	---	---	PASS
	Ant1	5530	-6.32	≤11.00	---	---	PASS
	Ant2	5530	-8.72	≤11.00	---	---	PASS
	total	5530	-4.35	≤11.00	---	---	PASS
	Ant1	5610	-5.66	≤11.00	---	---	PASS
	Ant2	5610	-8.60	≤11.00	---	---	PASS
	total	5610	-3.88	≤11.00	---	---	PASS
	Ant1	5690_UNII-2C	-6.49	≤11.00	---	---	PASS
	Ant2	5690_UNII-2C	-8.68	≤11.00	---	---	PASS
	total	5690_UNII-2C	-4.44	≤11.00	---	---	PASS

5725 MHz-5850 MHz

Test Mode	Ant.	Freq. (MHz)	Result (dBm/300kHz)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11A	Ant1	5720_UNII-3	-1.17	1.05	≤30.00	PASS
	Ant2	5720_UNII-3	-3.05	-0.83	≤30.00	PASS
	Ant1	5745	-1.47	0.75	≤30.00	PASS
	Ant2	5745	-2.7	-0.48	≤30.00	PASS
	Ant1	5785	-2.62	-0.40	≤30.00	PASS
	Ant2	5785	-3.87	-1.65	≤30.00	PASS
	Ant1	5825	-3.55	-1.33	≤30.00	PASS
	Ant2	5825	-4.59	-2.37	≤30.00	PASS
11N20MIMO	Ant1	5720_UNII-3	-4.84	-2.62	≤30.00	PASS
	Ant2	5720_UNII-3	-6.07	-3.85	≤30.00	PASS
	total	5720_UNII-3	-2.4	-0.18	≤28.11	PASS
	Ant1	5745	-4.91	-2.69	≤30.00	PASS
	Ant2	5745	-6.52	-4.30	≤30.00	PASS
	total	5745	-2.63	-0.41	≤28.11	PASS
	Ant1	5785	-5.9	-3.68	≤30.00	PASS
	Ant2	5785	-7.47	-5.25	≤30.00	PASS
	total	5785	-3.6	-1.38	≤28.11	PASS
	Ant1	5825	-6.37	-4.15	≤30.00	PASS
	Ant2	5825	-8.98	-6.76	≤30.00	PASS
	total	5825	-4.47	-2.25	≤28.11	PASS
11N40MIMO	Ant1	5710_UNII-3	-7.57	-5.35	≤30.00	PASS
	Ant2	5710_UNII-3	-9.33	-7.11	≤30.00	PASS
	total	5710_UNII-3	-5.35	-3.13	≤28.11	PASS
	Ant1	5755	-8.59	-6.37	≤30.00	PASS
	Ant2	5755	-10.04	-7.82	≤30.00	PASS
	total	5755	-6.24	-4.02	≤28.11	PASS
	Ant1	5795	-8.59	-6.37	≤30.00	PASS
	Ant2	5795	-11.27	-9.05	≤30.00	PASS
	total	5795	-6.72	-4.50	≤28.11	PASS
11AC20MIMO	Ant1	5720_UNII-3	-4.8	-2.58	≤30.00	PASS
	Ant2	5720_UNII-3	-6.79	-4.57	≤30.00	PASS
	total	5720_UNII-3	-2.67	-0.45	≤28.11	PASS
	Ant1	5745	-5.11	-2.89	≤30.00	PASS
	Ant2	5745	-6.66	-4.44	≤30.00	PASS
	total	5745	-2.81	-0.59	≤28.11	PASS

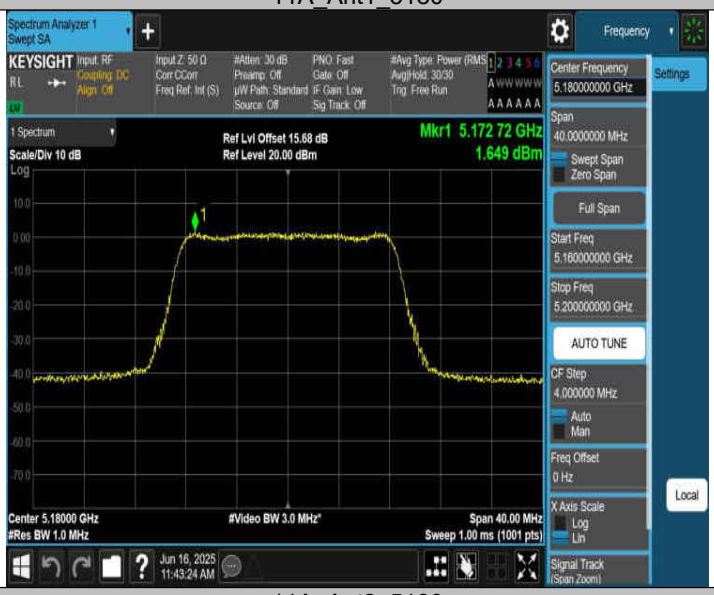
	Ant1	5785	-5.85	-3.63	≤30.00	PASS
	Ant2	5785	-7.21	-4.99	≤30.00	PASS
	total	5785	-3.47	-1.25	≤28.11	PASS
	Ant1	5825	-6.41	-4.19	≤30.00	PASS
	Ant2	5825	-8.52	-6.30	≤30.00	PASS
	total	5825	-4.33	-2.11	≤28.11	PASS
11AC40MIMO	Ant1	5710_UNII-3	-7.51	-5.29	≤30.00	PASS
	Ant2	5710_UNII-3	-9.7	-7.48	≤30.00	PASS
	total	5710_UNII-3	-5.46	-3.24	≤28.11	PASS
	Ant1	5755	-8.27	-6.05	≤30.00	PASS
	Ant2	5755	-10.2	-7.98	≤30.00	PASS
	total	5755	-6.12	-3.90	≤28.11	PASS
	Ant1	5795	-9.6	-7.38	≤30.00	PASS
	Ant2	5795	-10.74	-8.52	≤30.00	PASS
	total	5795	-7.12	-4.90	≤28.11	PASS
11AC80MIMO	Ant1	5690_UNII-3	-13.63	-11.41	≤30.00	PASS
	Ant2	5690_UNII-3	-15.71	-13.49	≤30.00	PASS
	total	5690_UNII-3	-11.54	-9.32	≤28.11	PASS
	Ant1	5775	-12.68	-10.46	≤30.00	PASS
	Ant2	5775	-14.51	-12.29	≤30.00	PASS
	total	5775	-10.49	-8.27	≤28.11	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

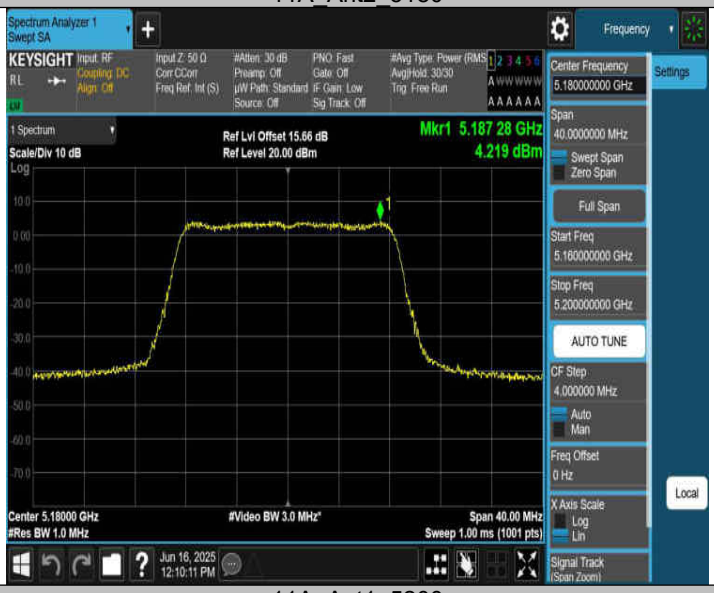
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

11.5. Original Test Data

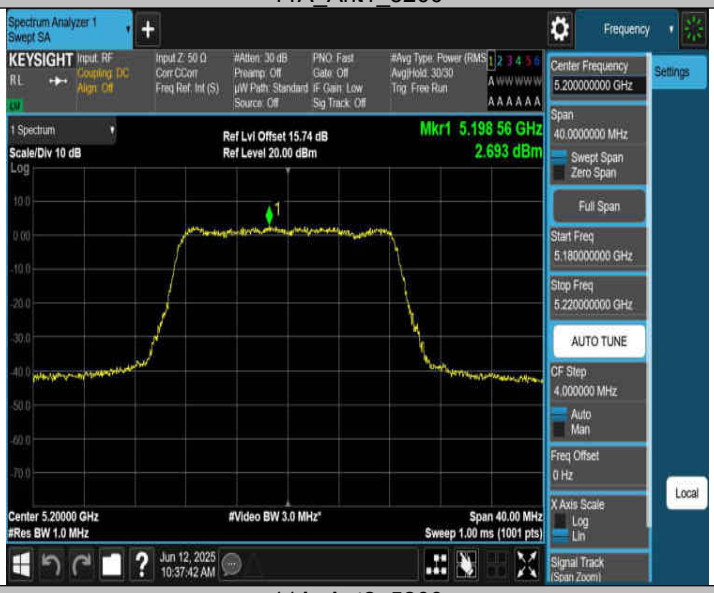
11A_Ant1_5180



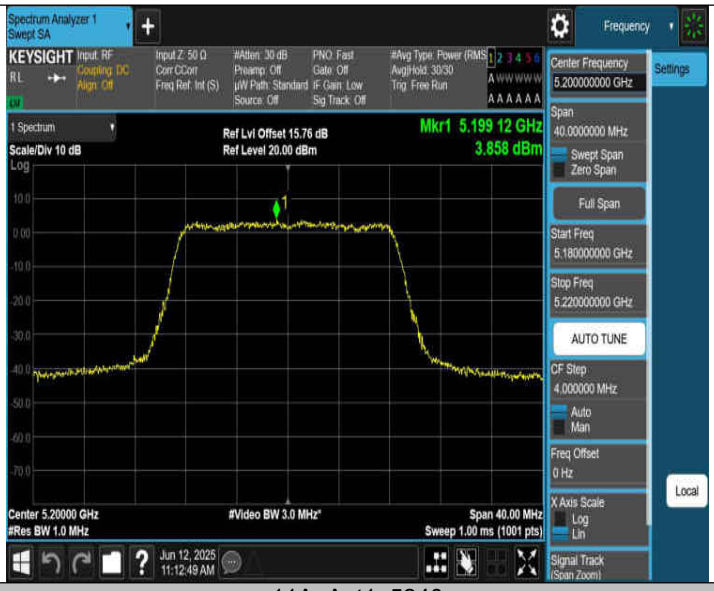
11A_Ant2_5180



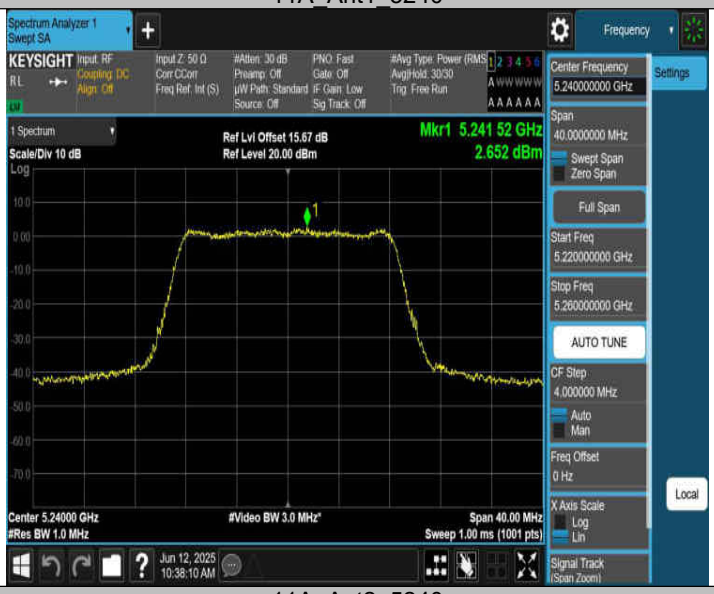
11A_Ant1_5200



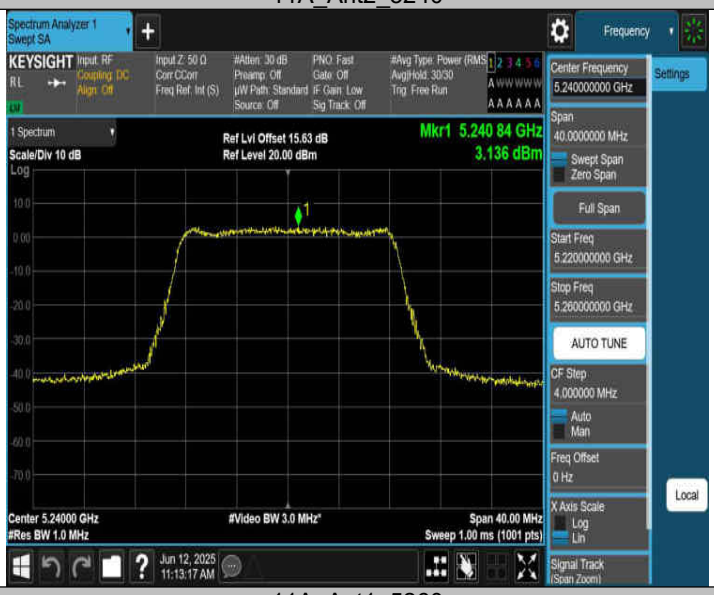
11A_Ant2_5200



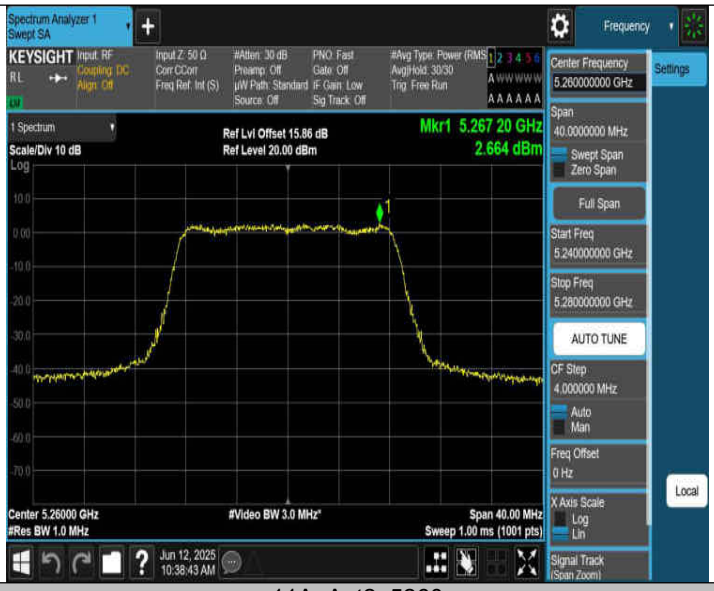
11A_Ant1_5240



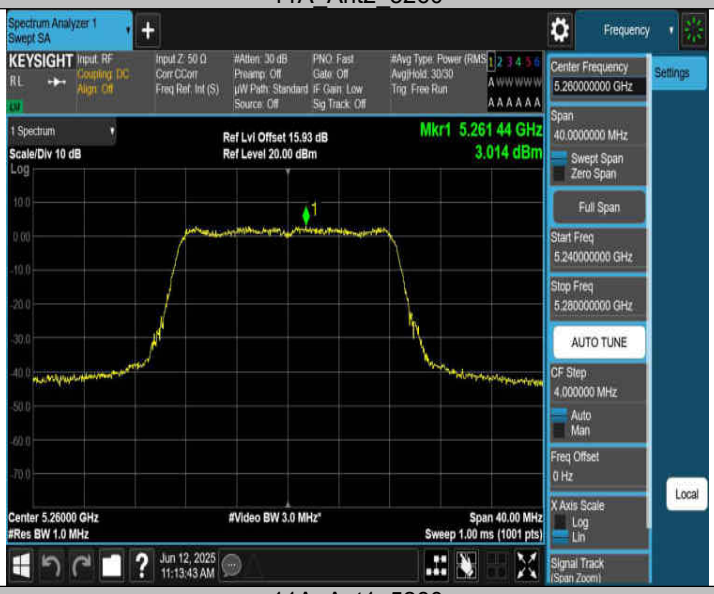
11A_Ant2_5240



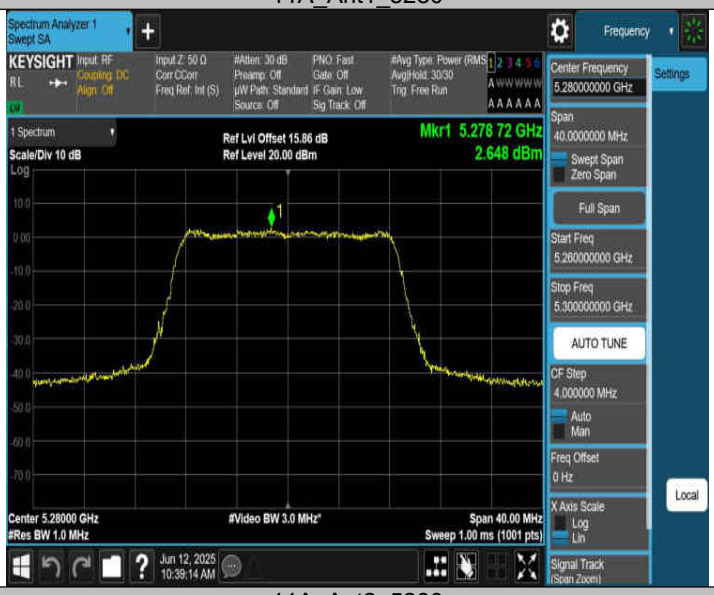
11A_Ant1_5260



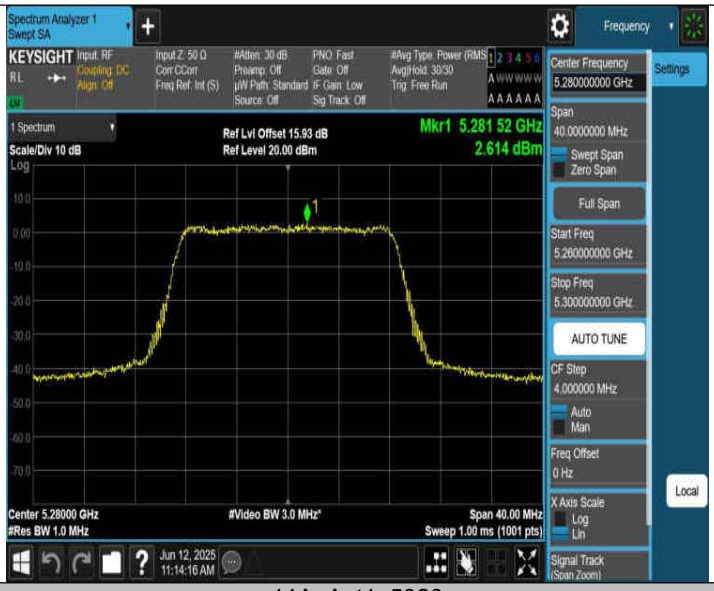
11A_Ant2_5260



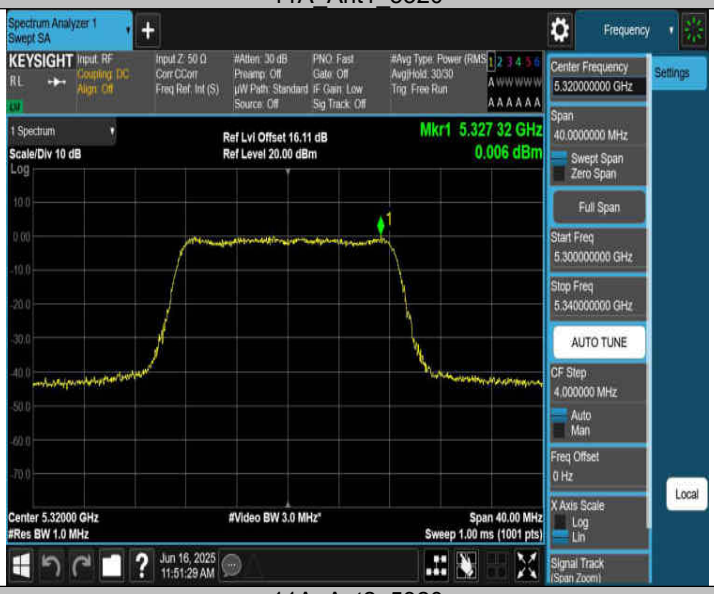
11A_Ant1_5280



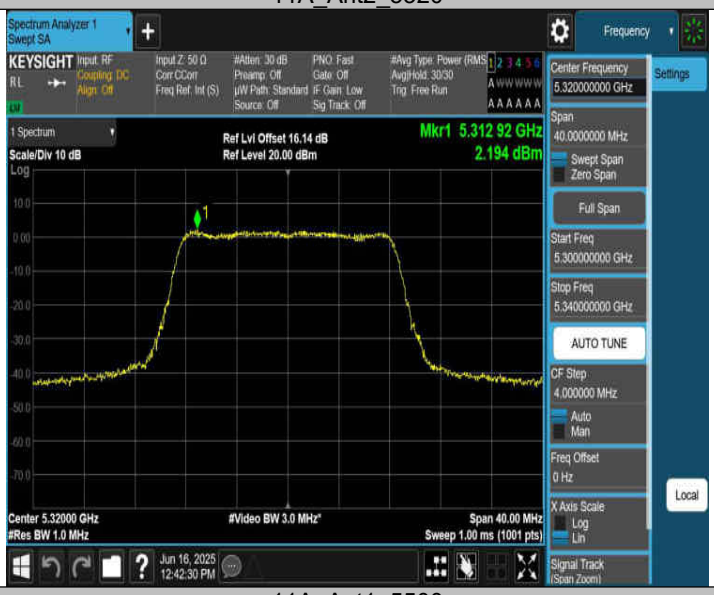
11A_Ant2_5280



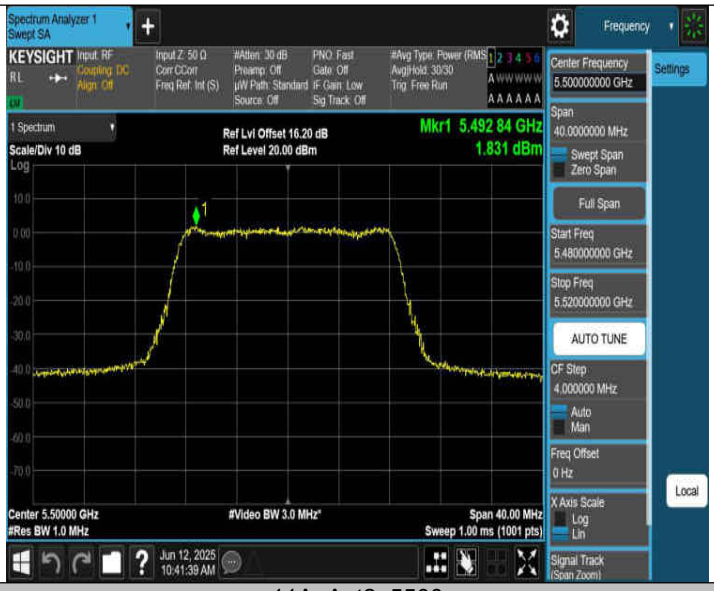
11A_Ant1_5320



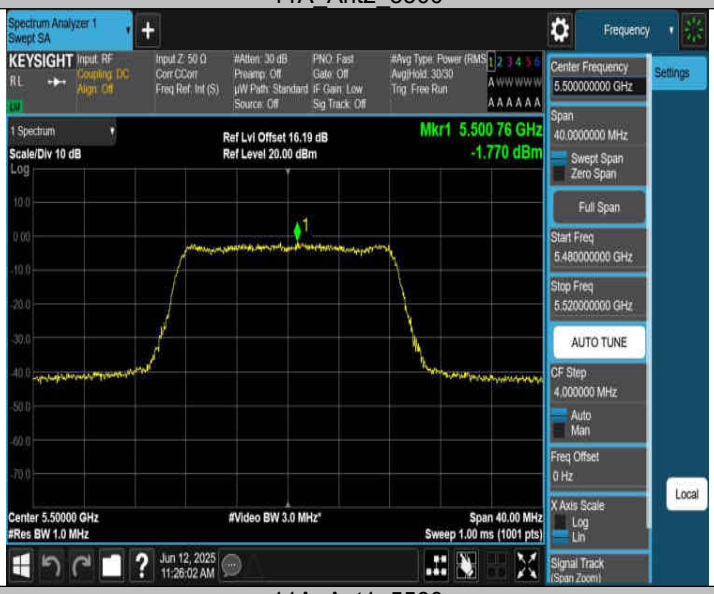
11A_Ant2_5320



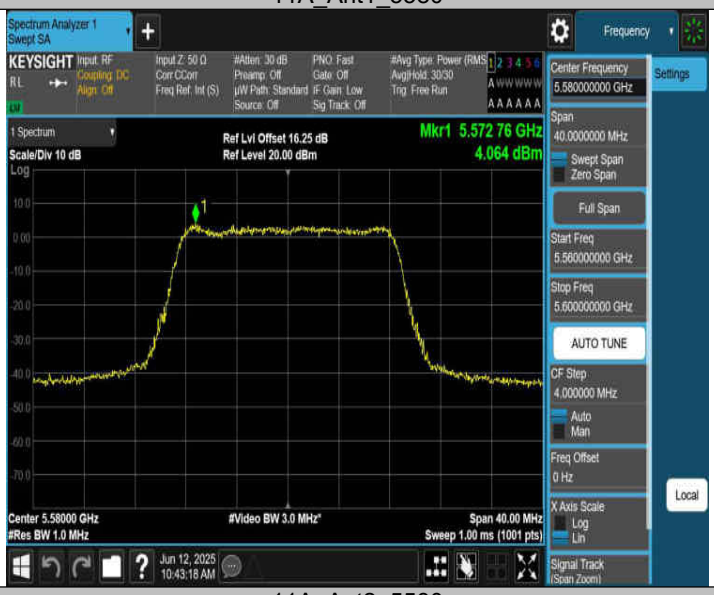
11A_Ant1_5500



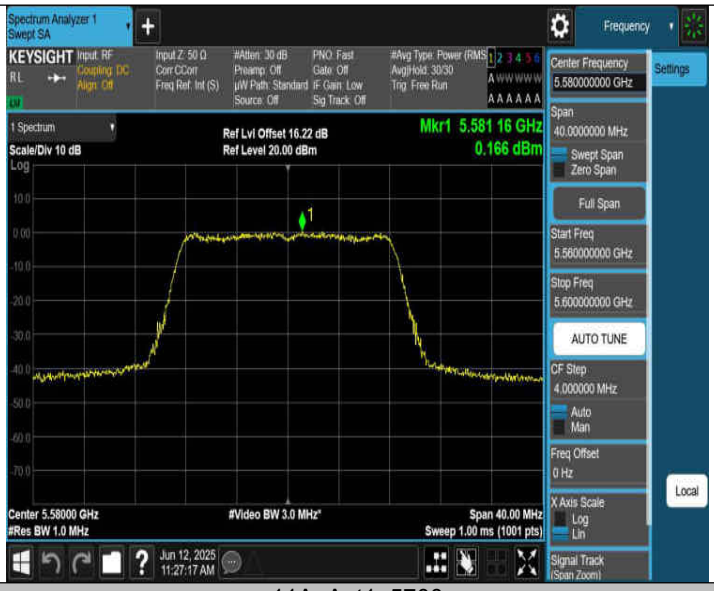
11A_Ant2_5500



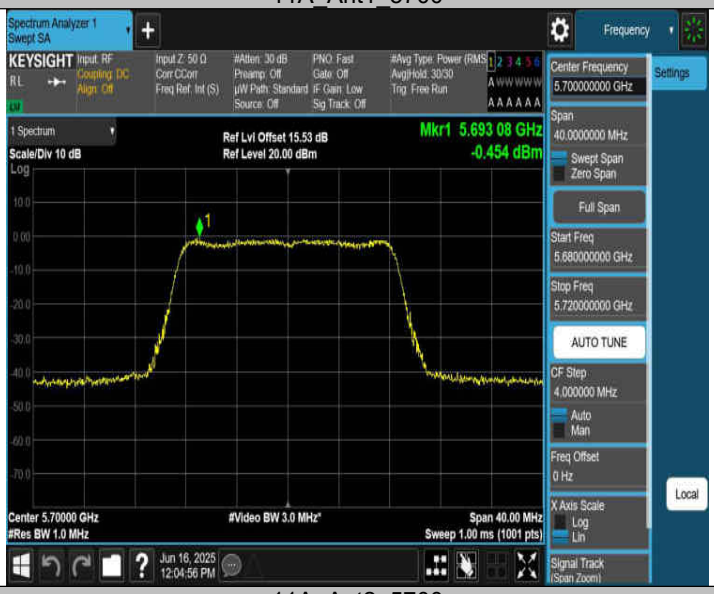
11A_Ant1_5580



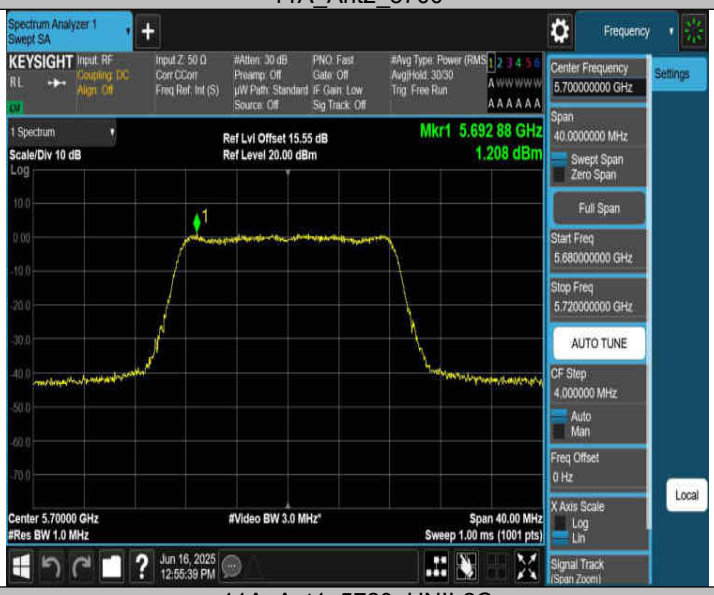
11A_Ant2_5580



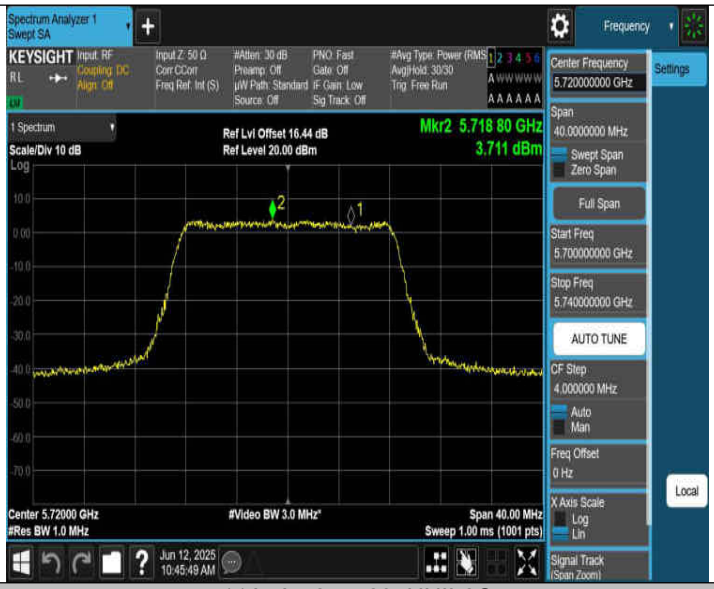
11A_Ant1_5700



11A_Ant2_5700

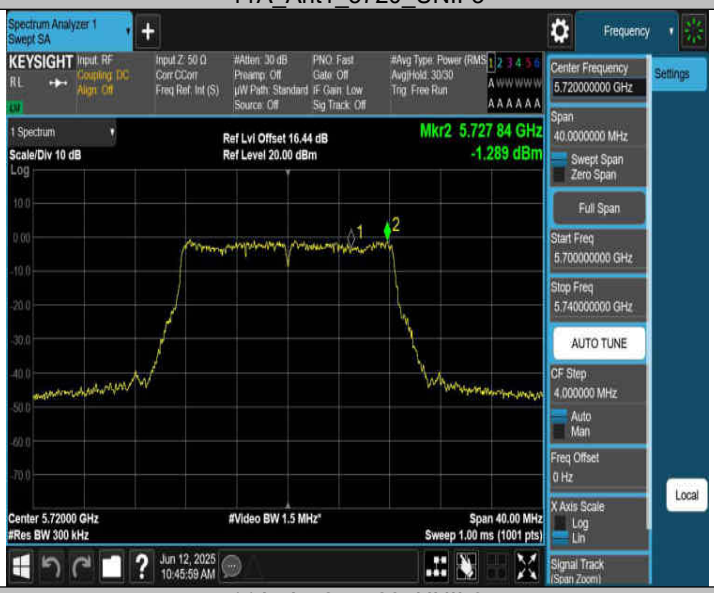


11A_Ant1_5720_UNII-2C

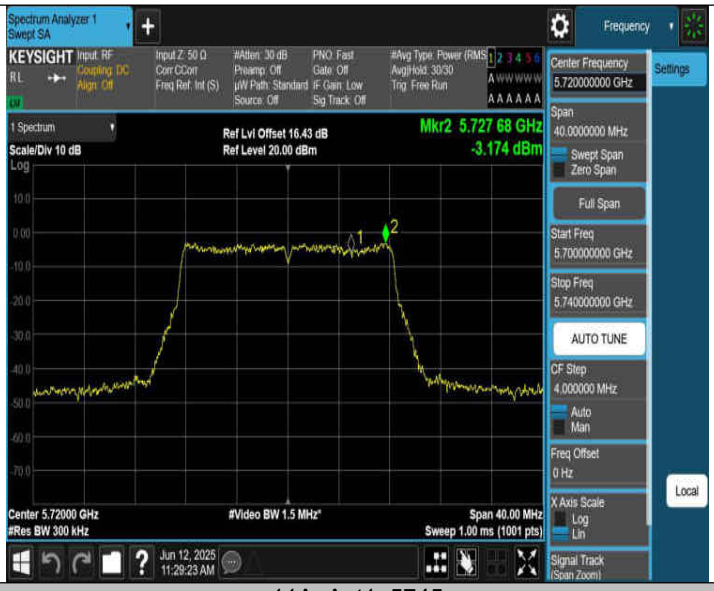


11A_Ant2_5720_UNII-2C

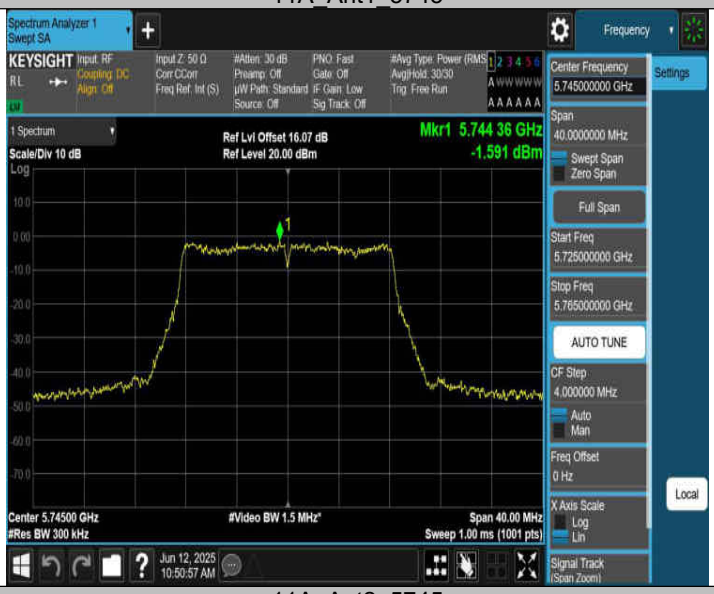
11A_Ant1_5720_UNII-3



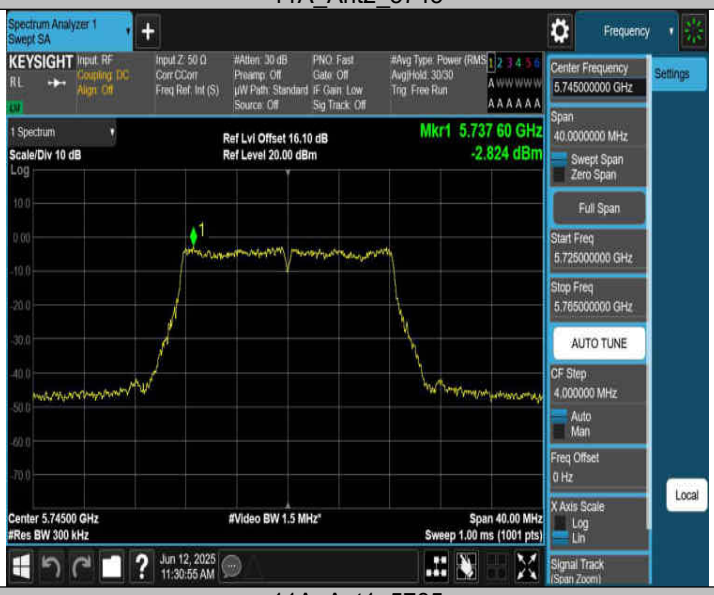
11A_Ant2_5720_UNII-3



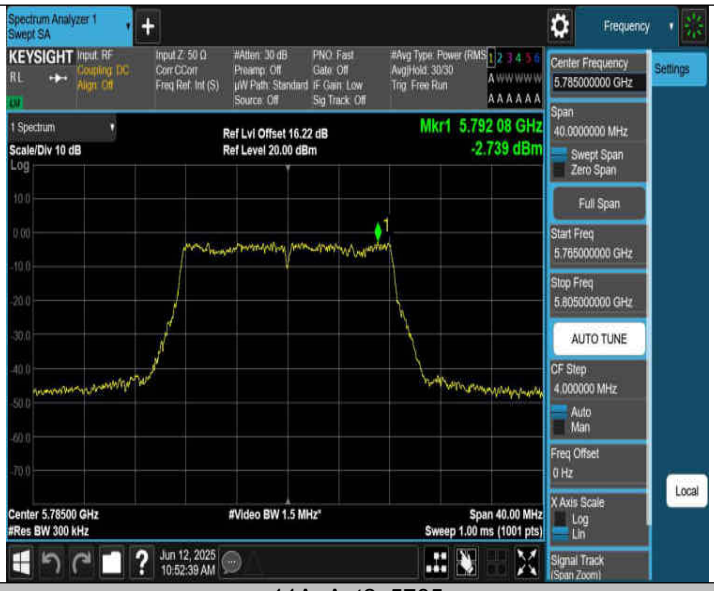
11A_Ant1_5745



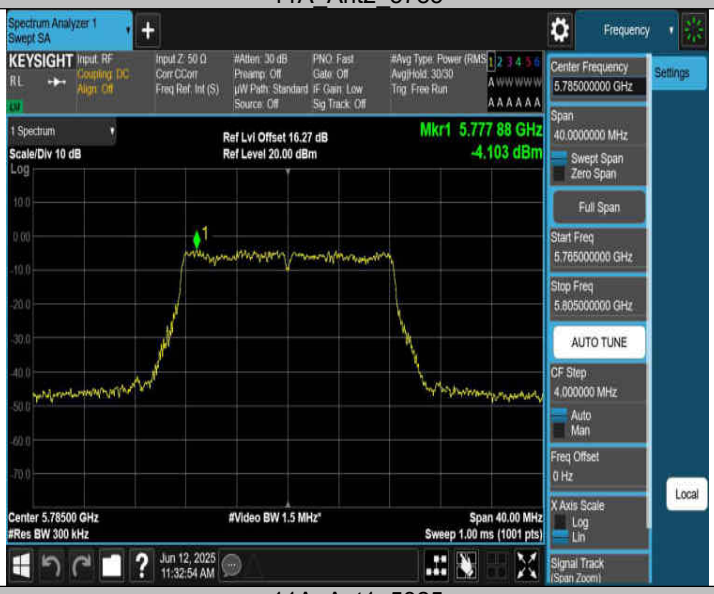
11A_Ant2_5745



11A_Ant1_5785

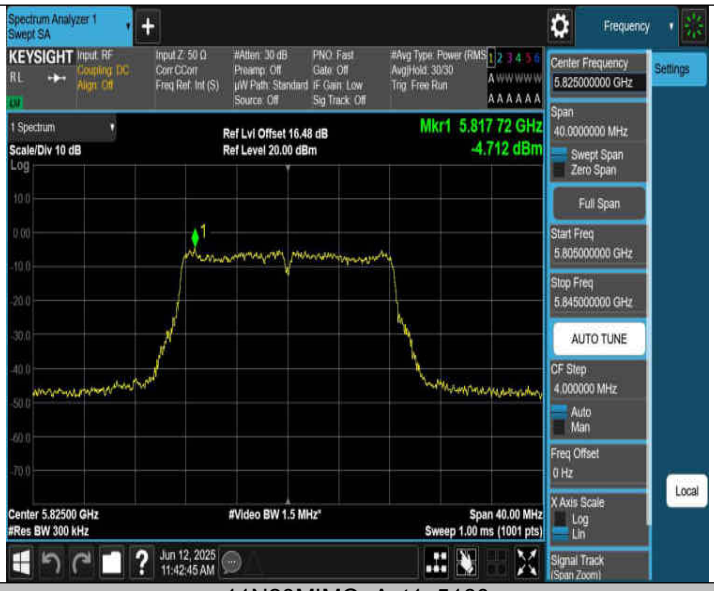


11A_Ant2_5785

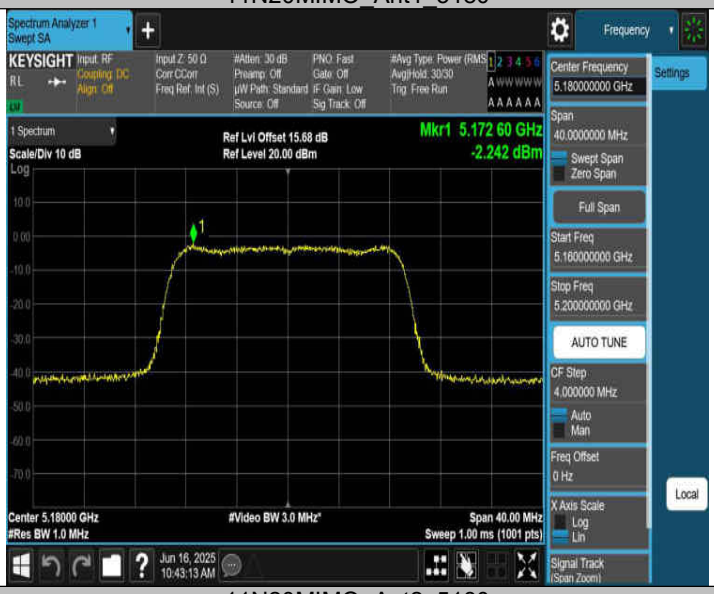


11A_Ant1_5825

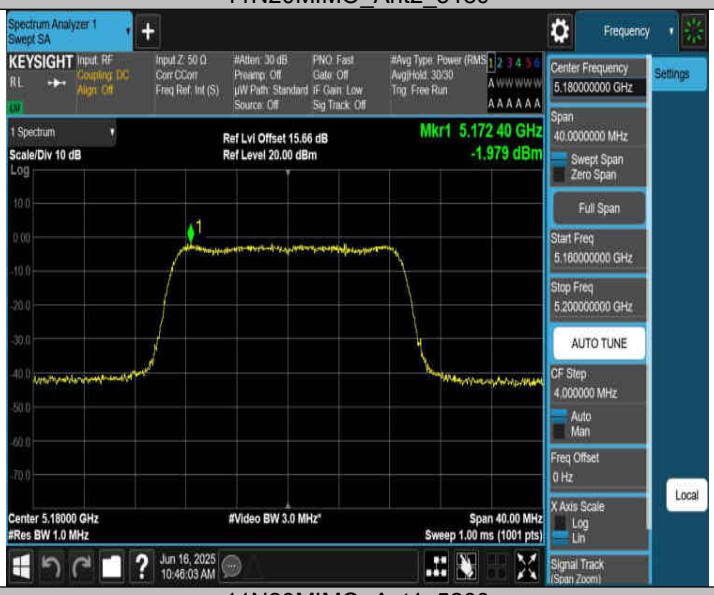
11A_Ant2_5825



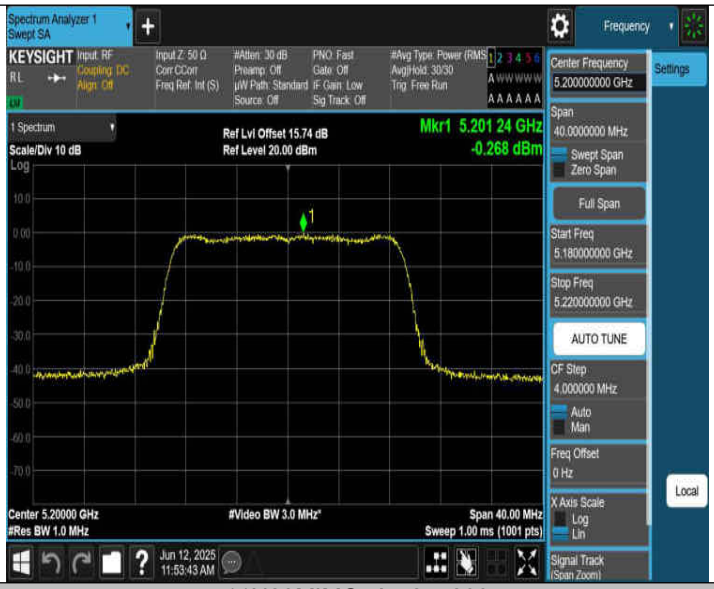
11N20MIMO_Ant1_5180



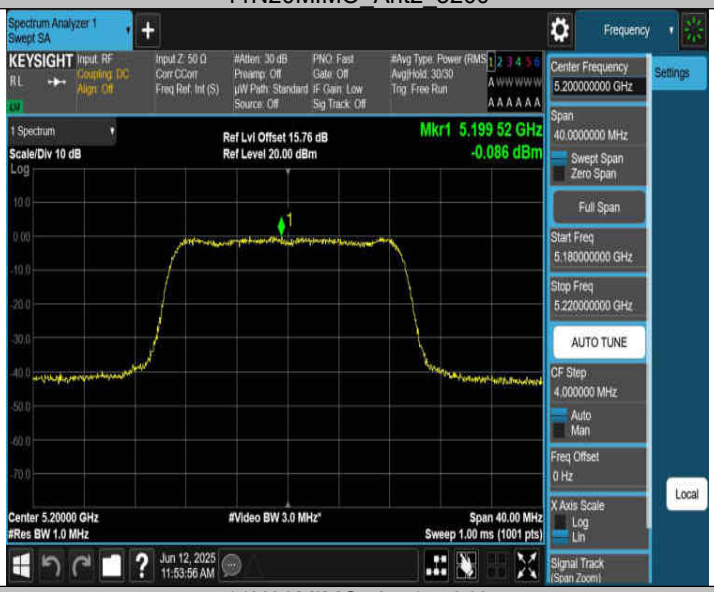
11N20MIMO_Ant2_5180



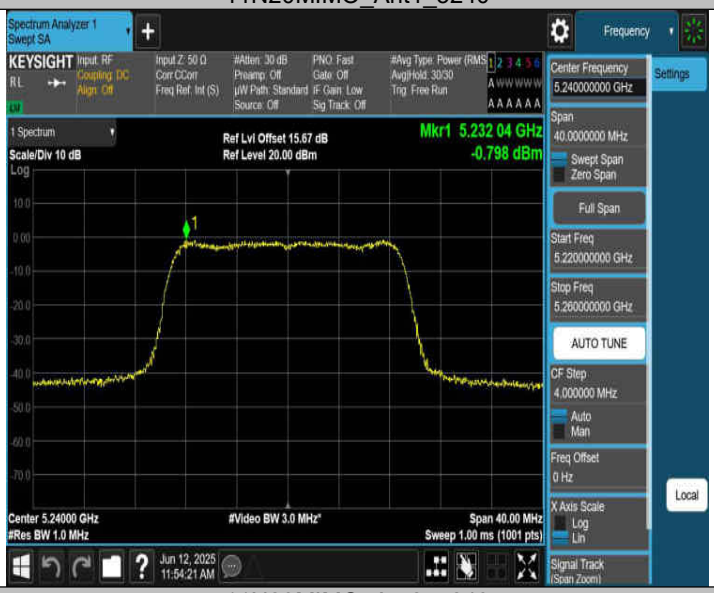
11N20MIMO_Ant1_5200



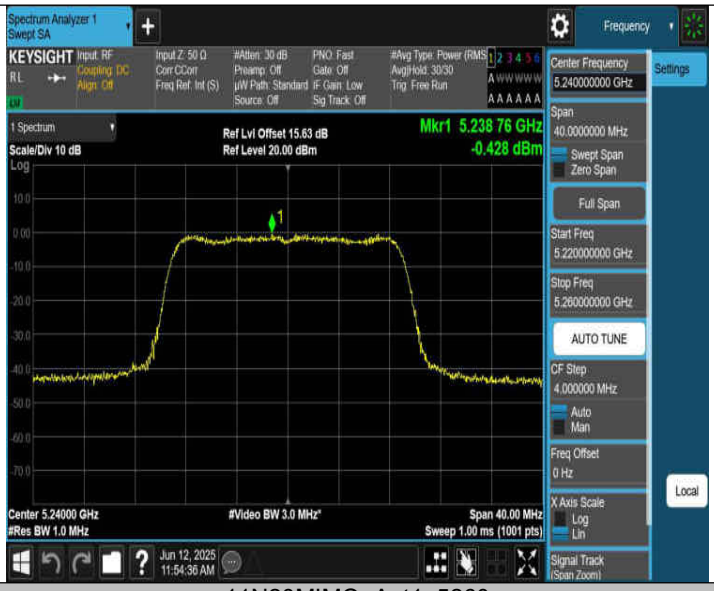
11N20MIMO_Ant2_5200



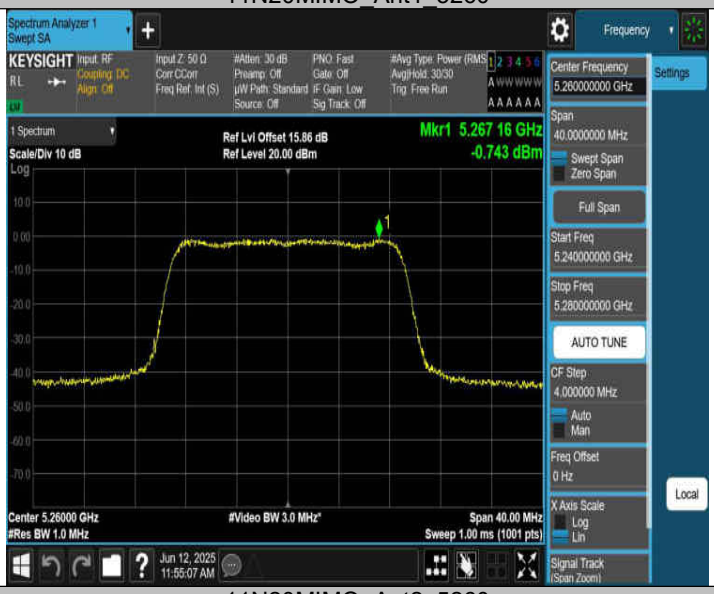
11N20MIMO_Ant1_5240



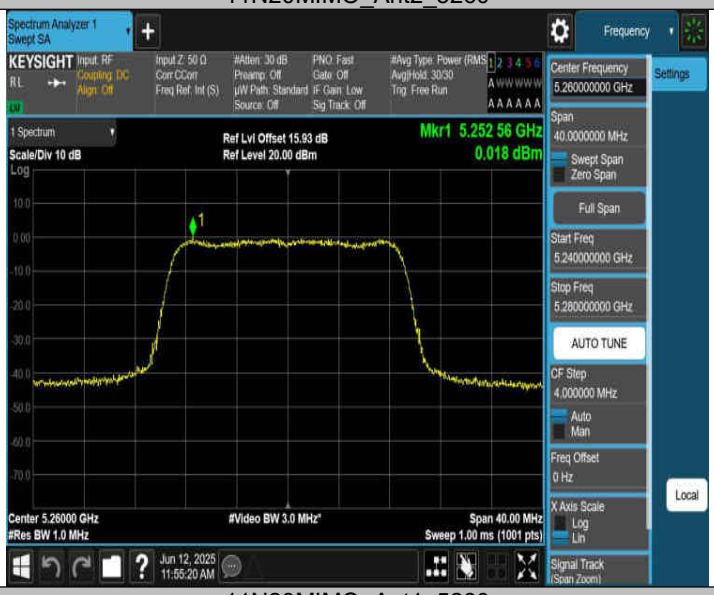
11N20MIMO_Ant2_5240



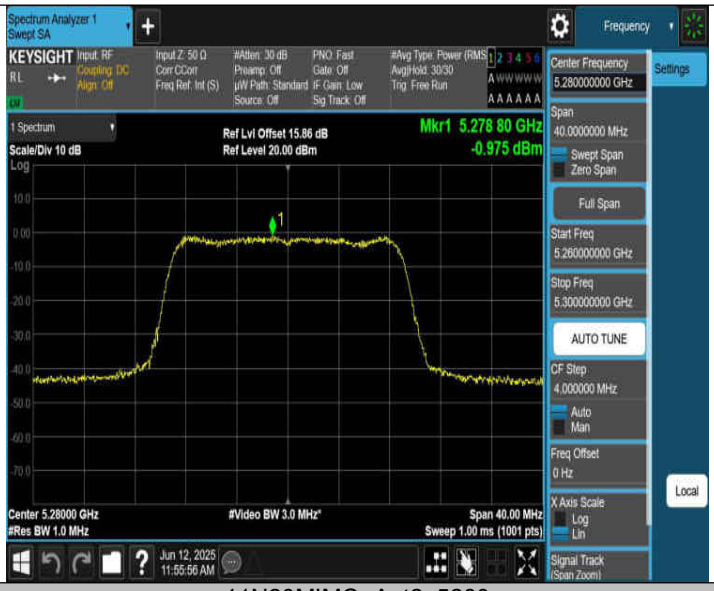
11N20MIMO_Ant1_5260



11N20MIMO_Ant2_5260



11N20MIMO_Ant1_5280



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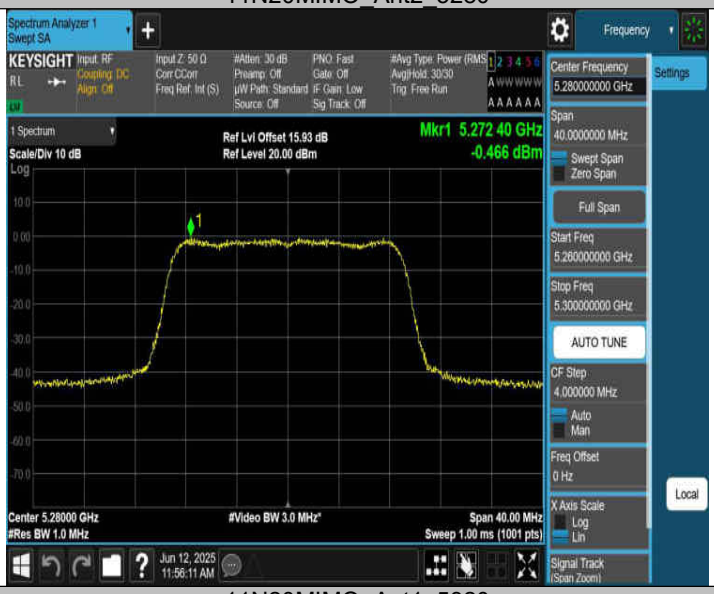
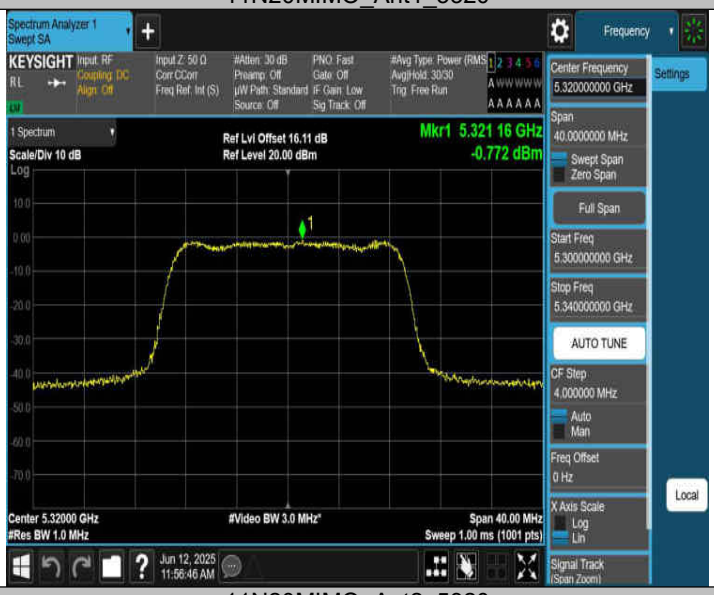
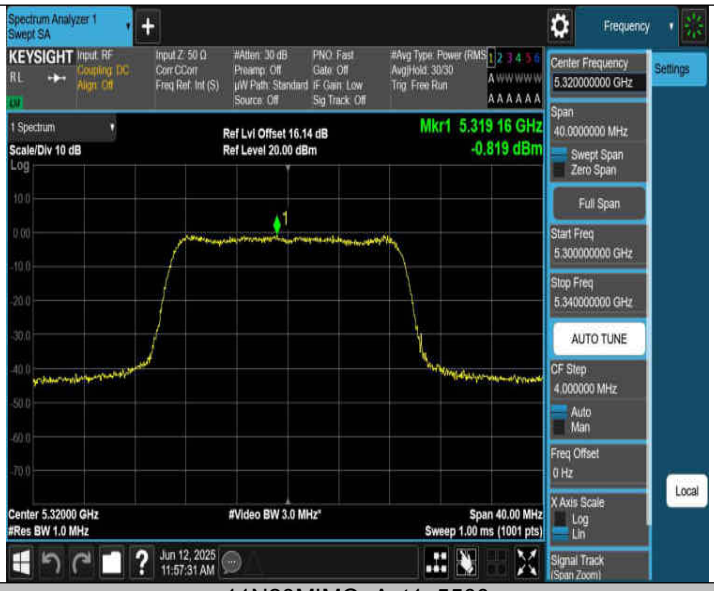


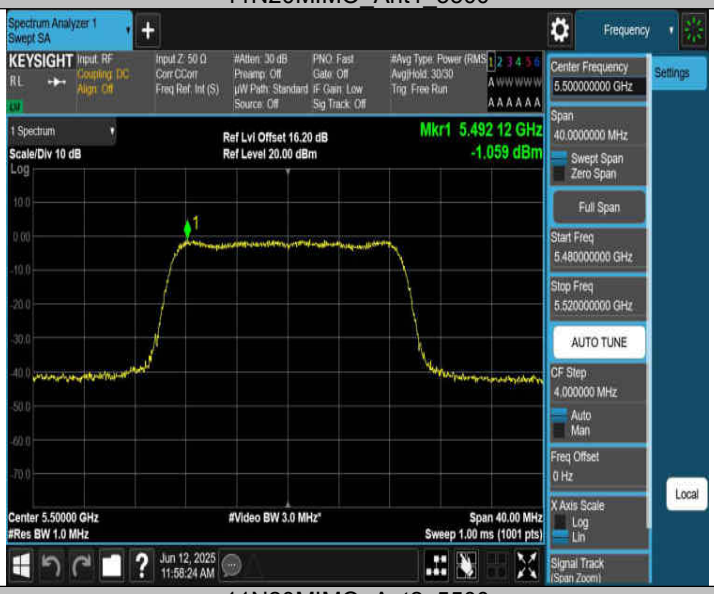
11N20MIMO_Ant1_5320



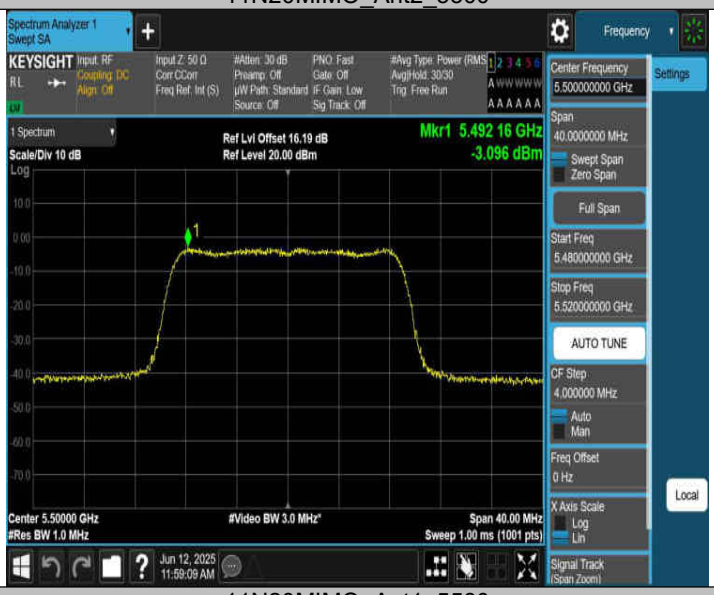
11N20MIMO_Ant2_5320



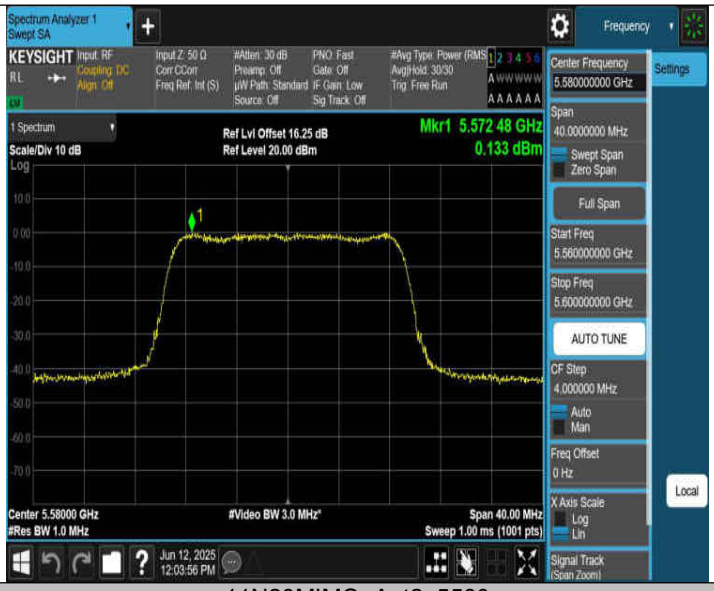
11N20MIMO_Ant1_5500



11N20MIMO_Ant2_5500



11N20MIMO_Ant1_5580



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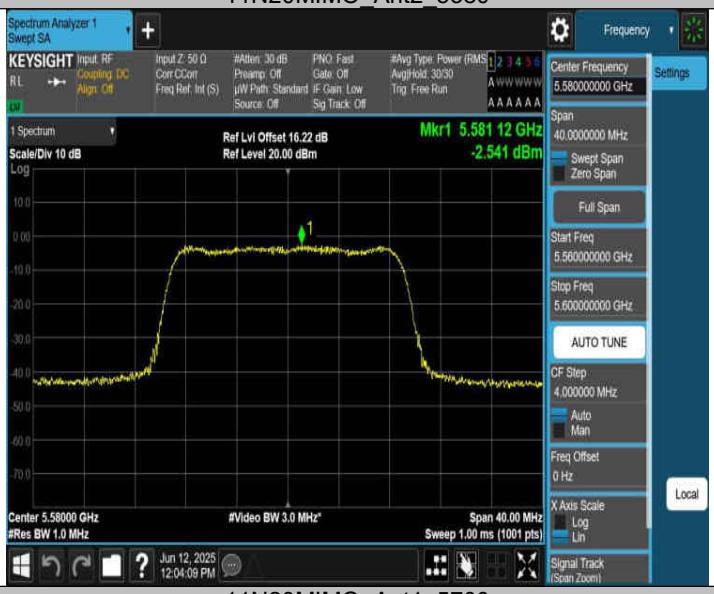
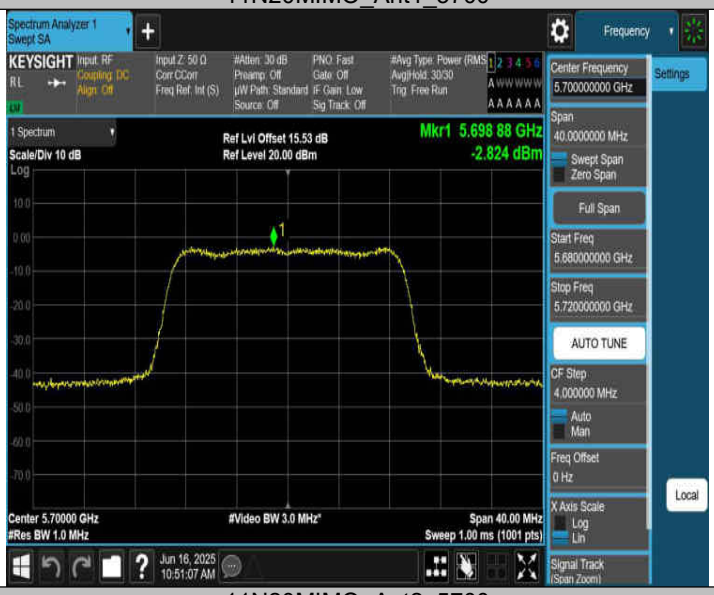
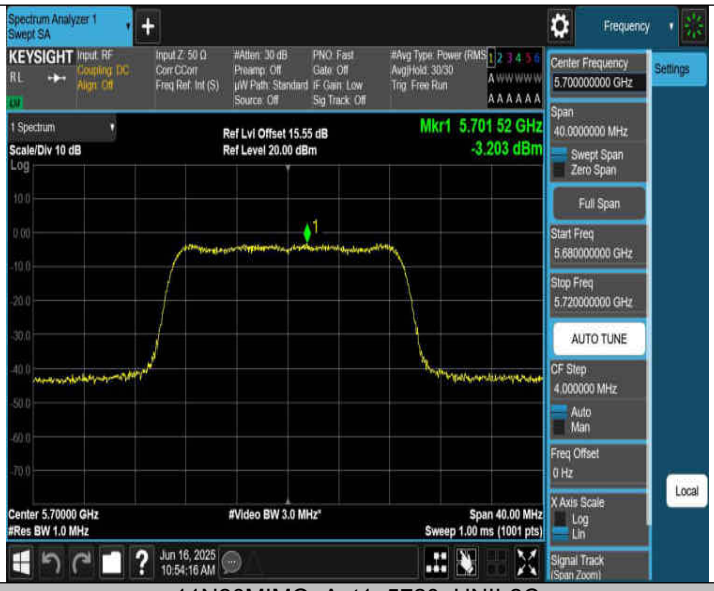


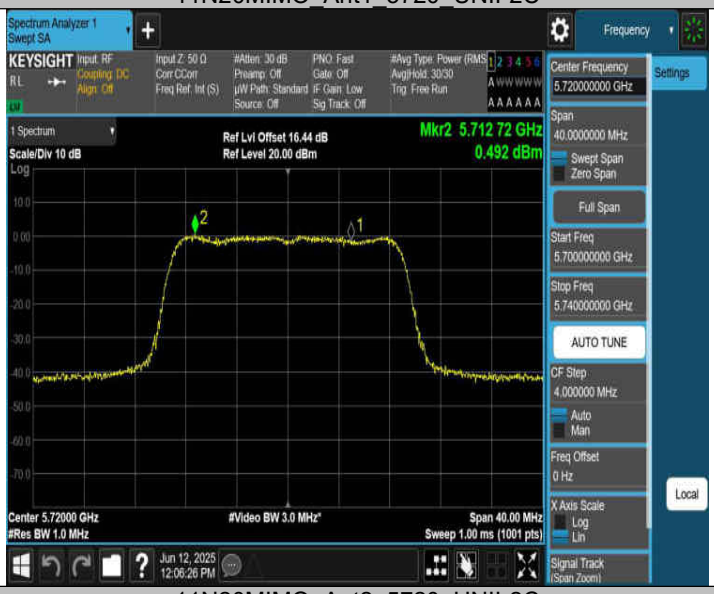
11N20MIMO_Ant1_5700



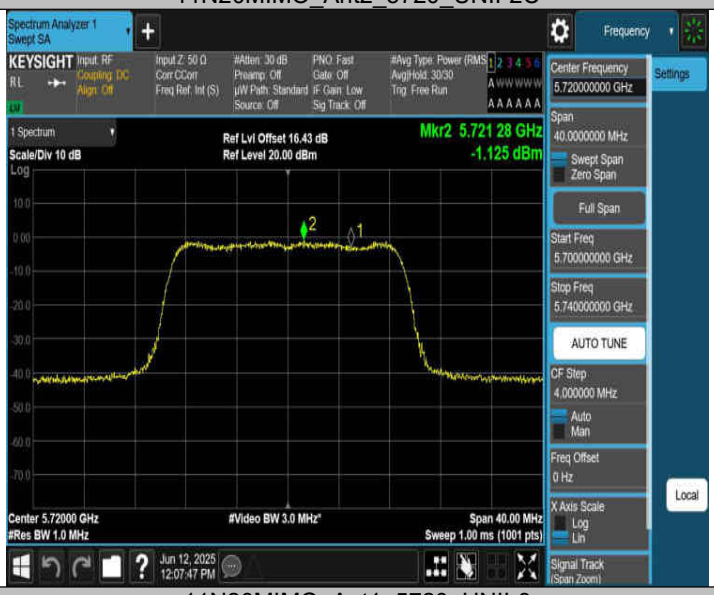
11N20MIMO_Ant2_5700



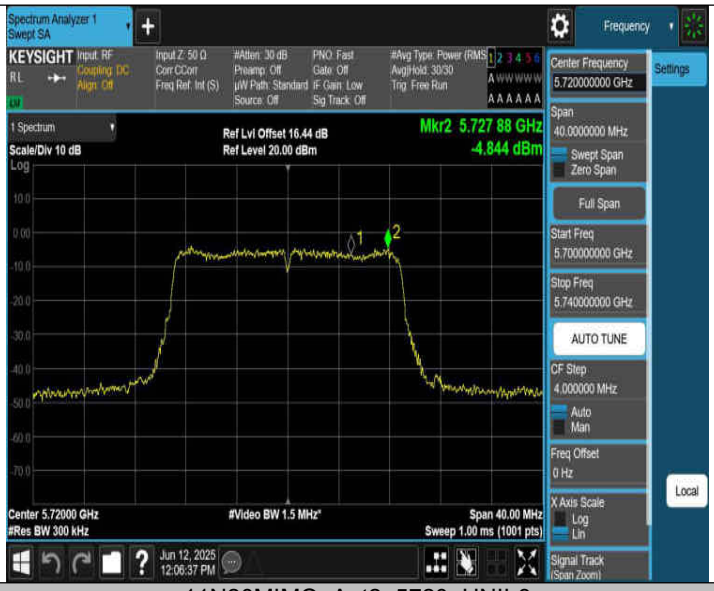
11N20MIMO_Ant1_5720_UNII-2C



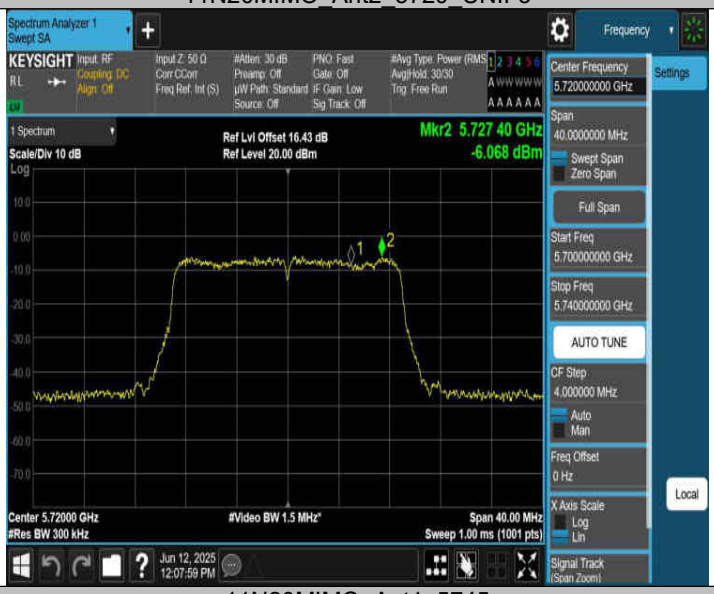
11N20MIMO_Ant2_5720_UNII-2C



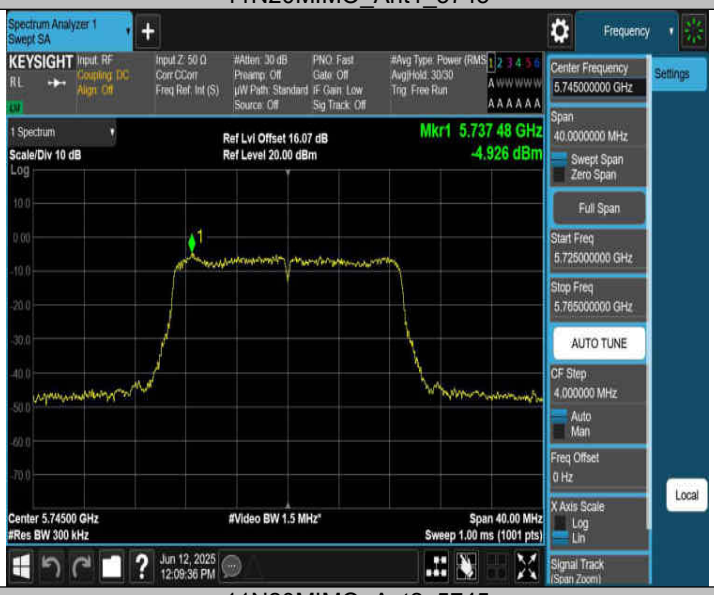
11N20MIMO_Ant1_5720_UNII-3



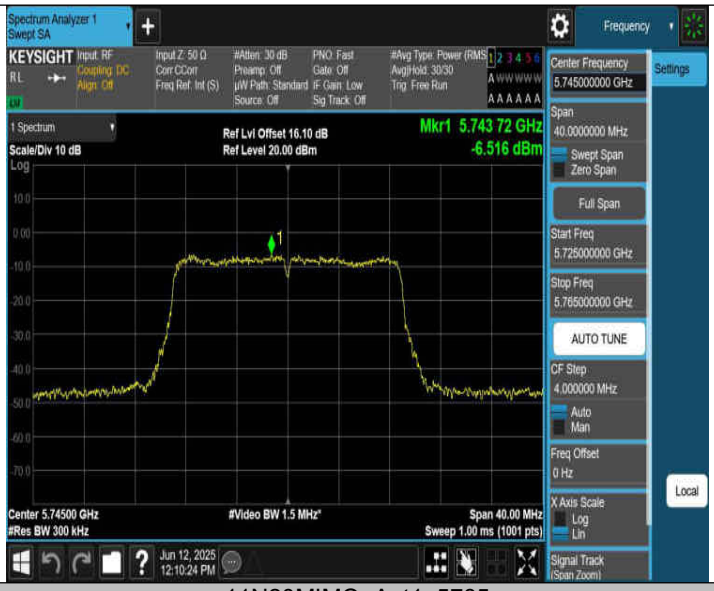
11N20MIMO_Ant2_5720_UNII-3



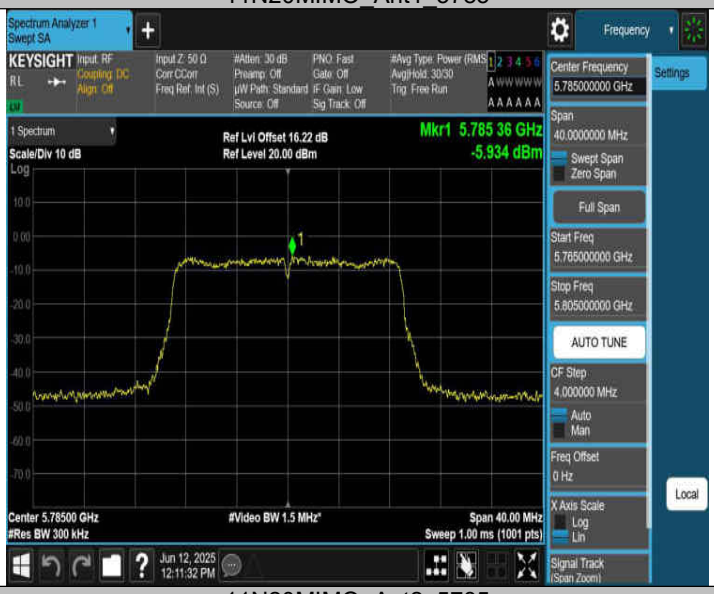
11N20MIMO_Ant1_5745



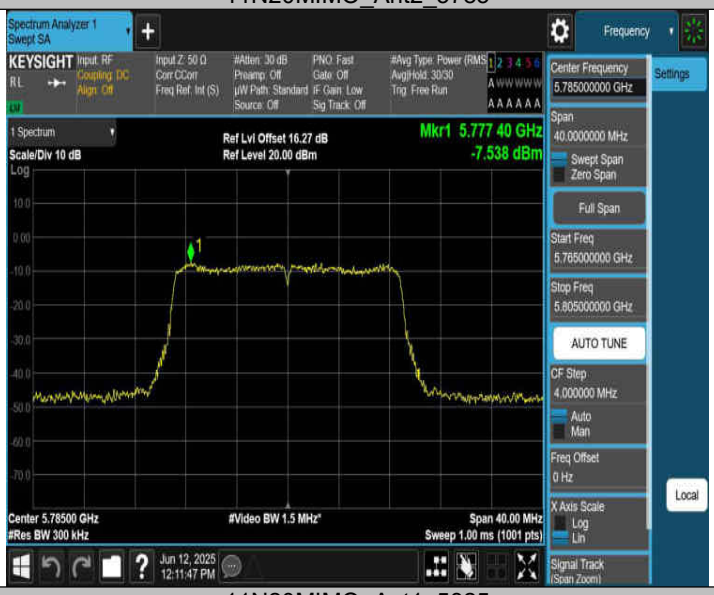
11N20MIMO_Ant2_5745



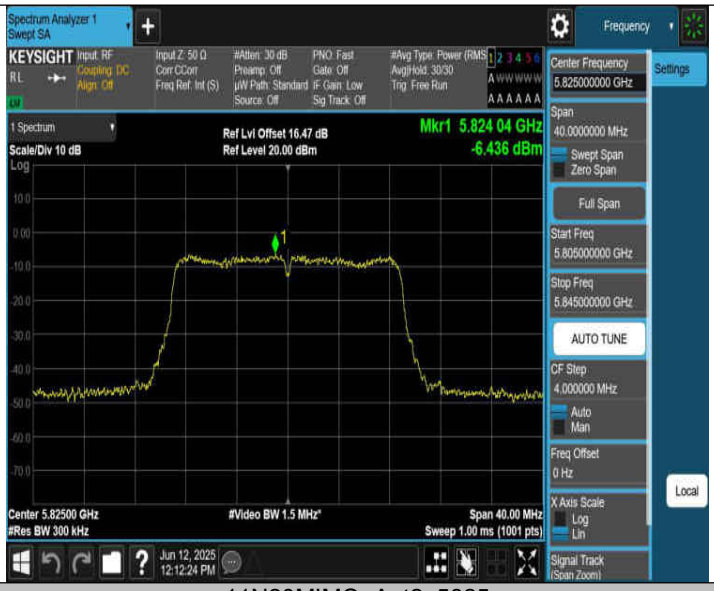
11N20MIMO_Ant1_5785



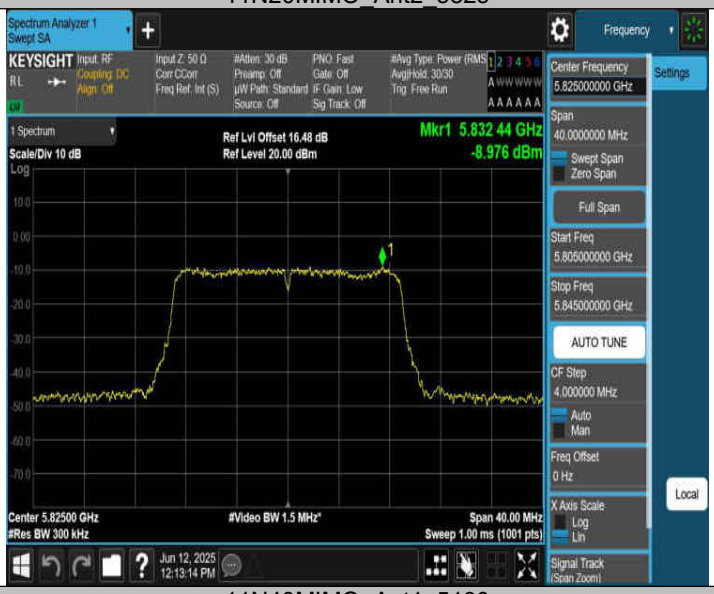
11N20MIMO_Ant2_5785



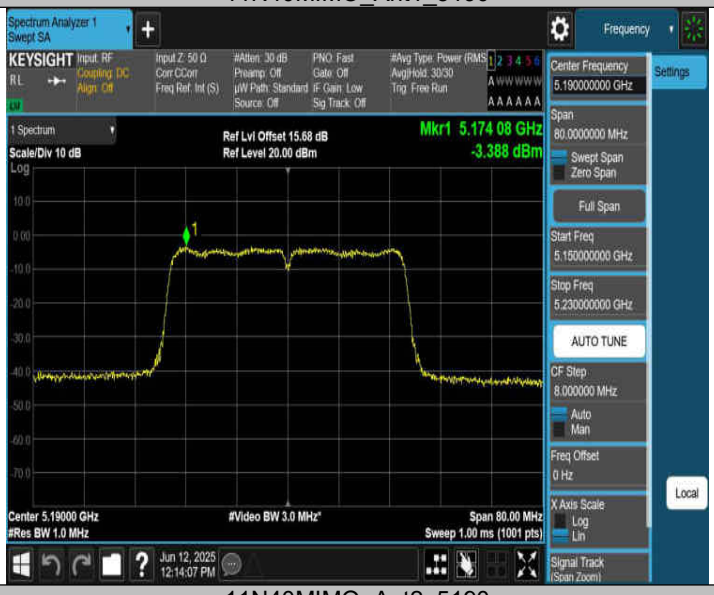
11N20MIMO_Ant1_5825



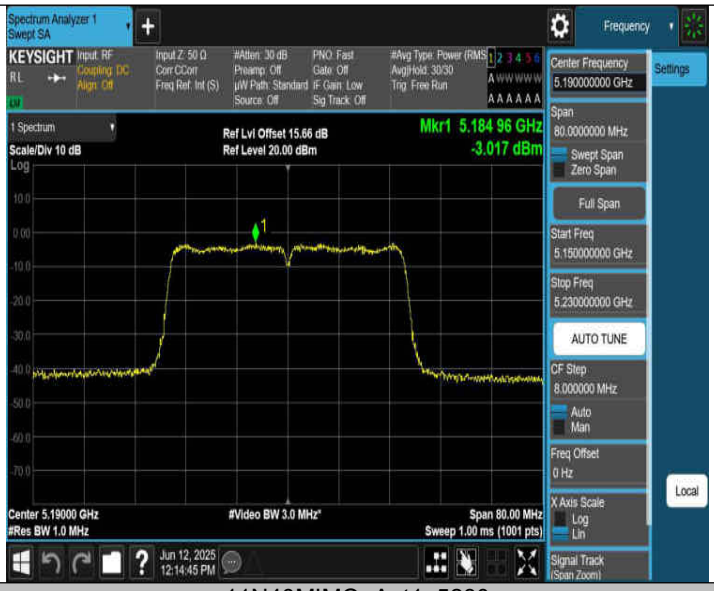
11N20MIMO_Ant2_5825



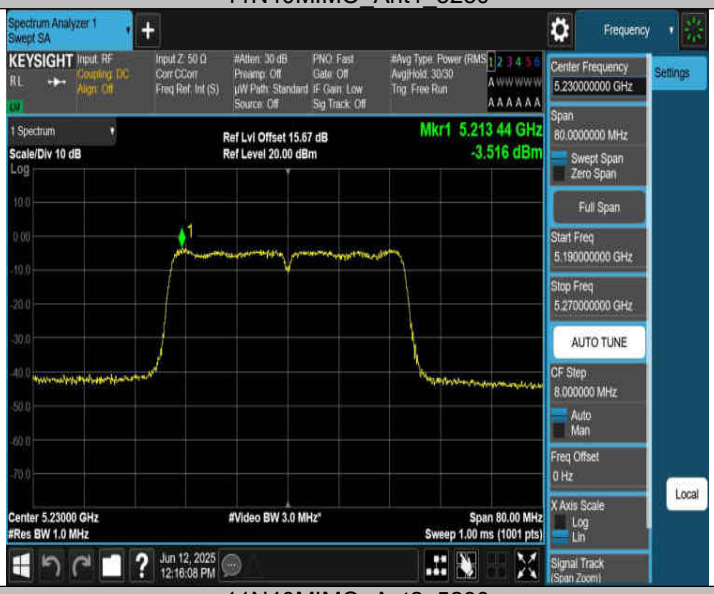
11N40MIMO_Ant1_5190



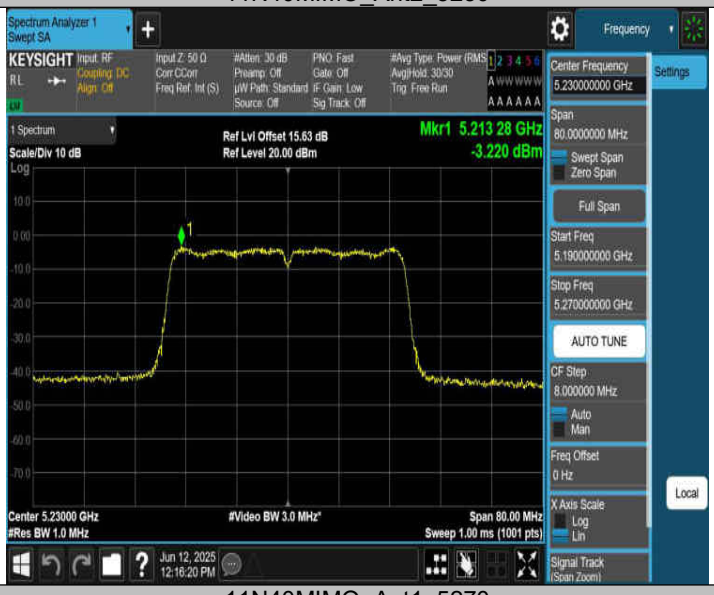
11N40MIMO_Ant2_5190



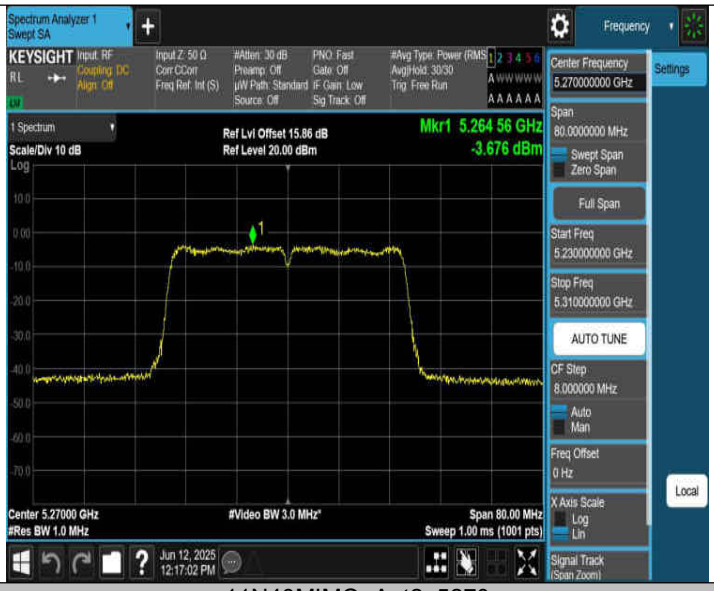
11N40MIMO_Ant1_5230



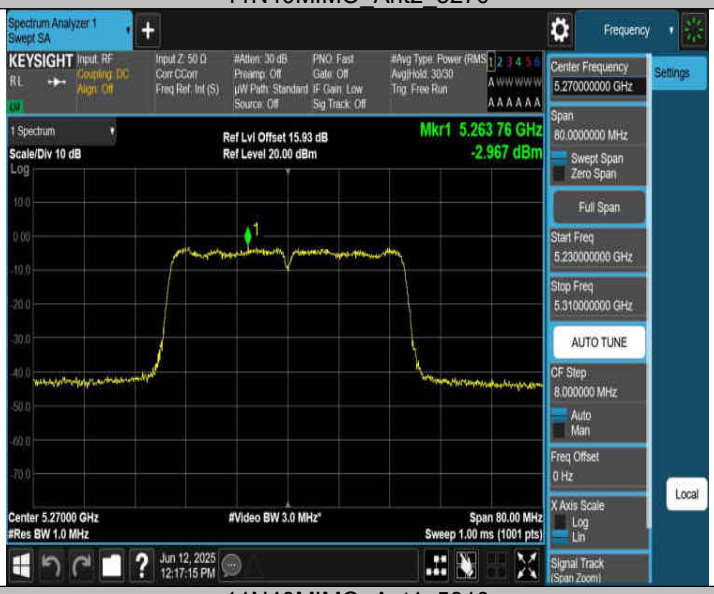
11N40MIMO_Ant2_5230



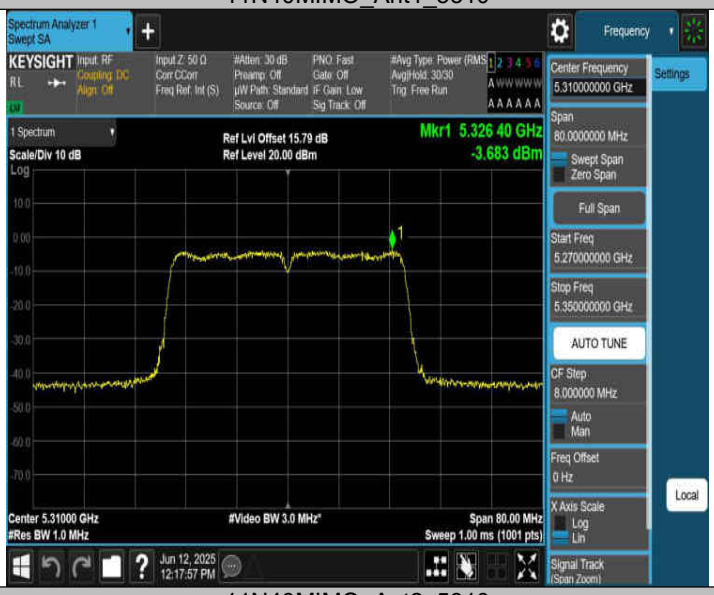
11N40MIMO_Ant1_5270



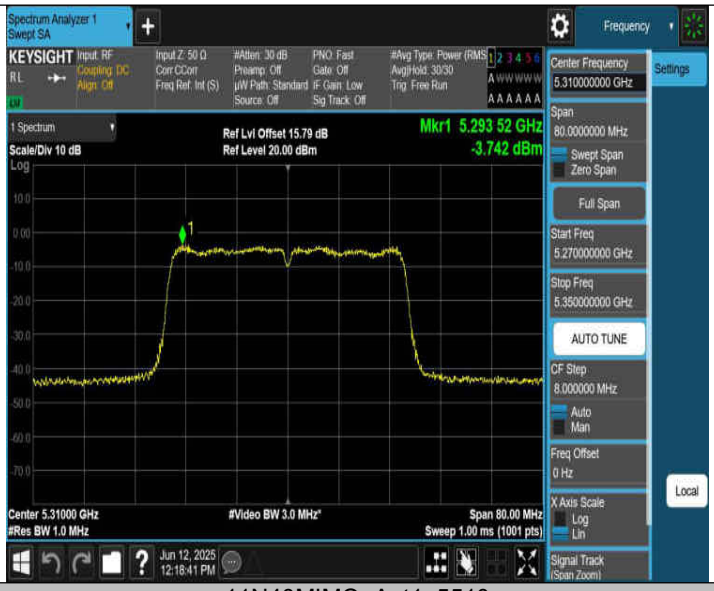
11N40MIMO_Ant2_5270



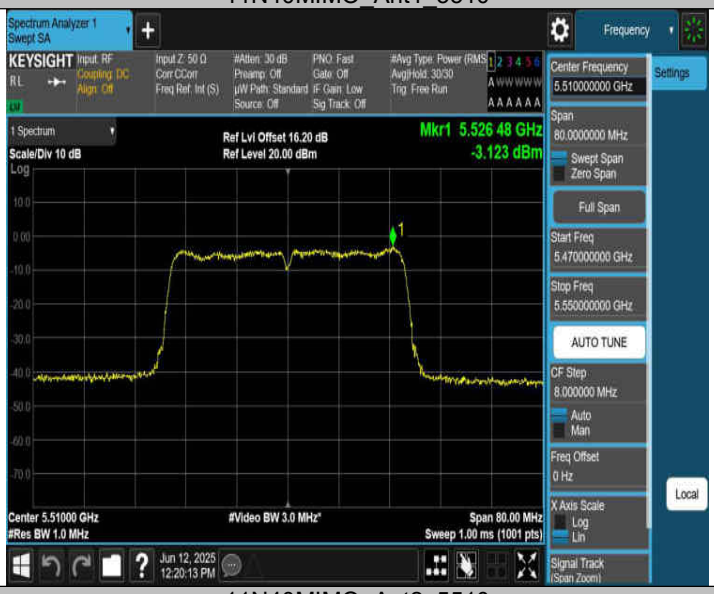
11N40MIMO_Ant1_5310



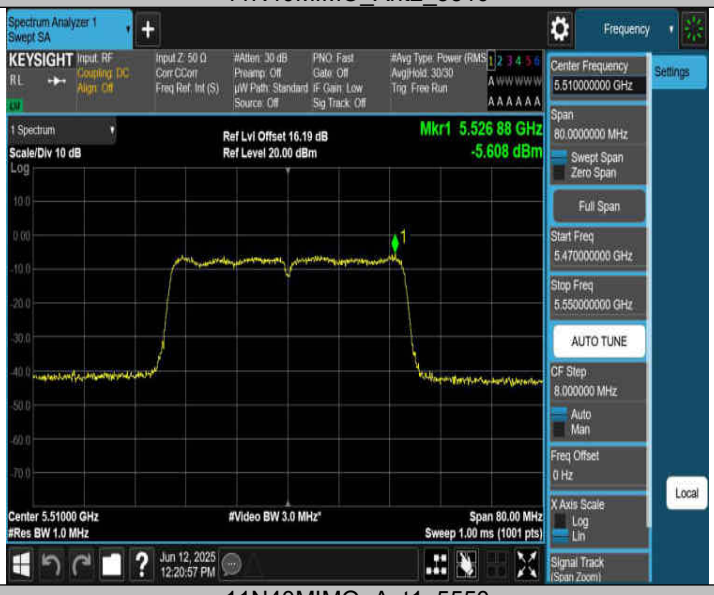
11N40MIMO_Ant2_5310



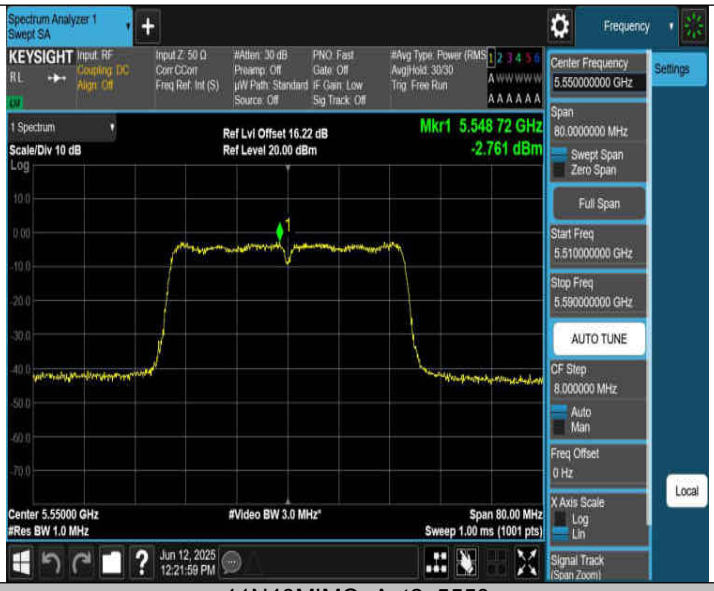
11N40MIMO_Ant1_5510



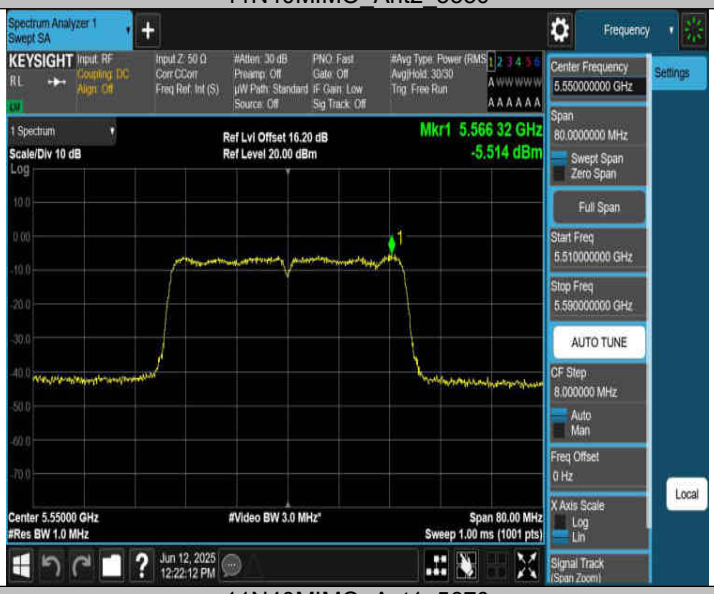
11N40MIMO_Ant2_5510



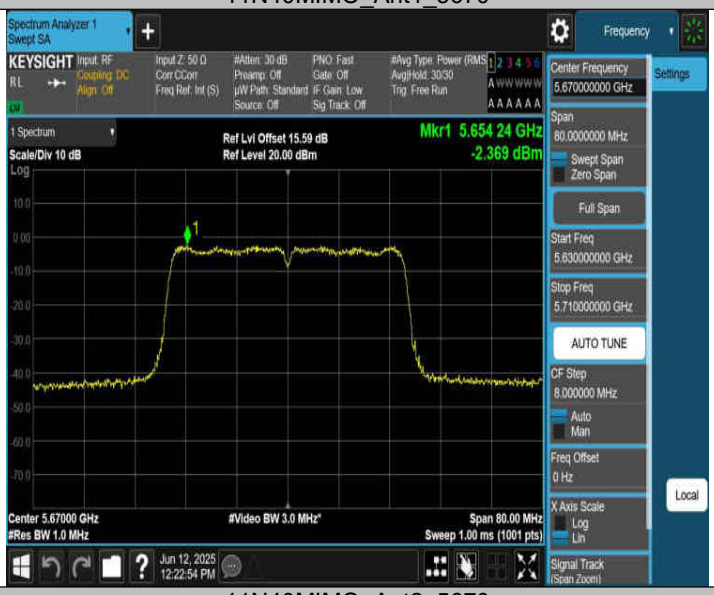
11N40MIMO_Ant1_5550



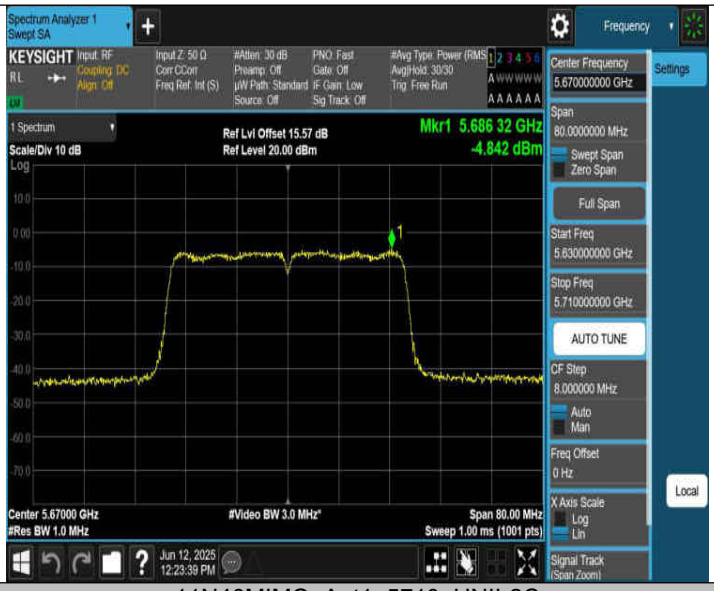
11N40MIMO_Ant2_5550



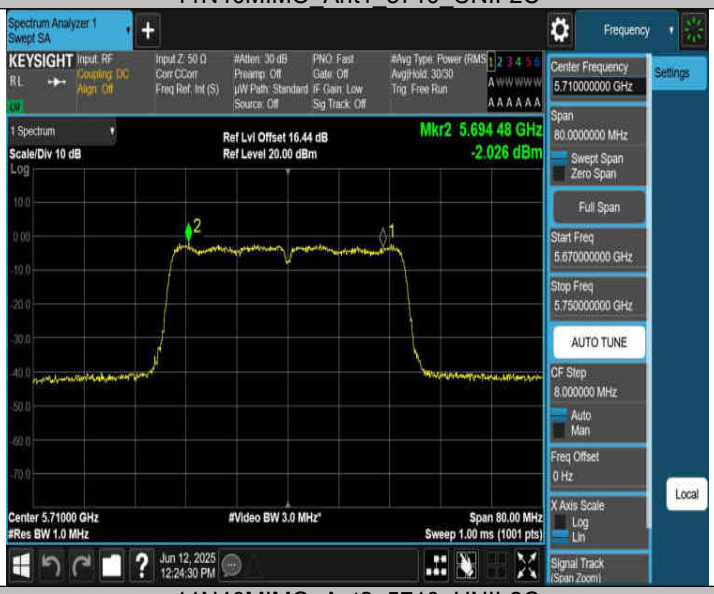
11N40MIMO_Ant1_5670



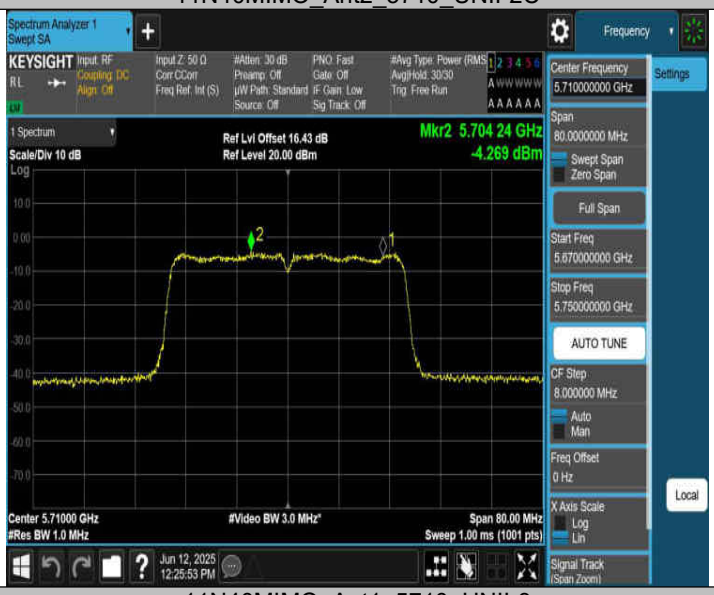
11N40MIMO_Ant2_5670



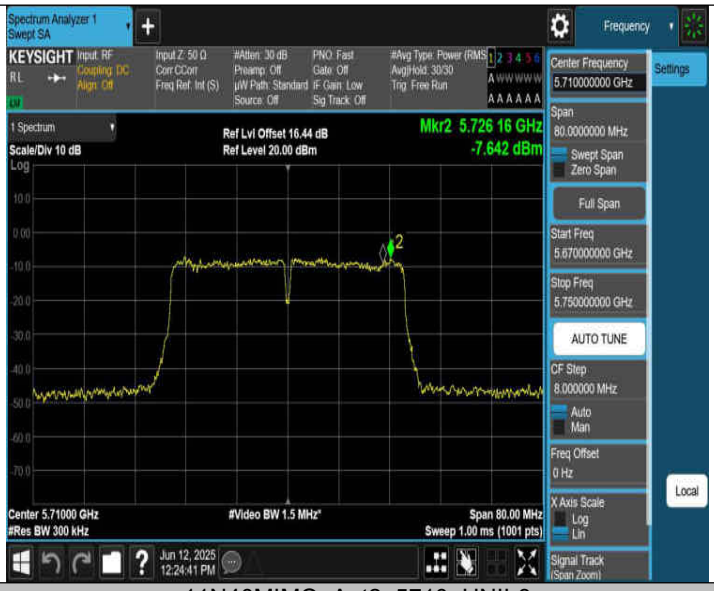
11N40MIMO_Ant1_5710_UNII-2C



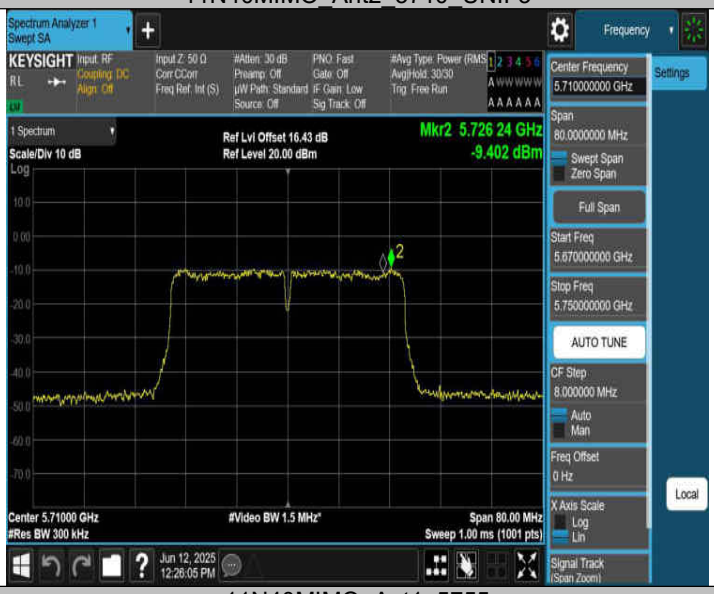
11N40MIMO_Ant2_5710_UNII-2C



11N40MIMO_Ant1_5710_UNII-3



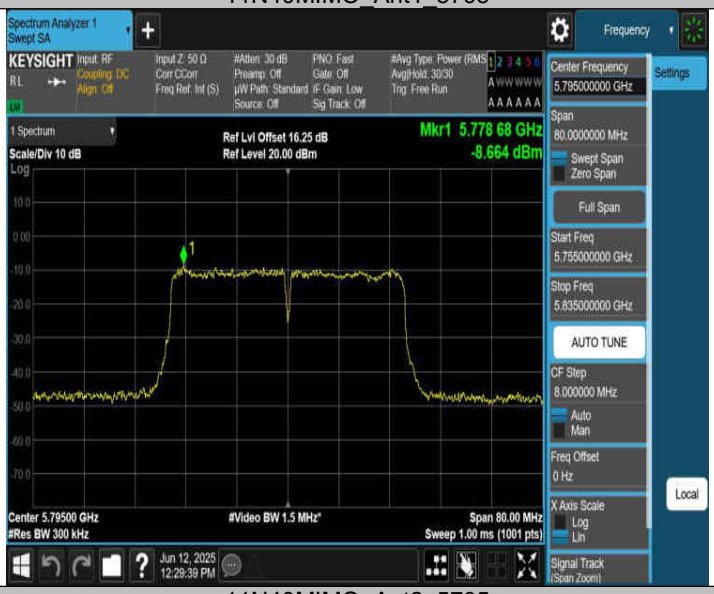
11N40MIMO_Ant2_5710_UNII-3



11N40MIMO_Ant1_5755

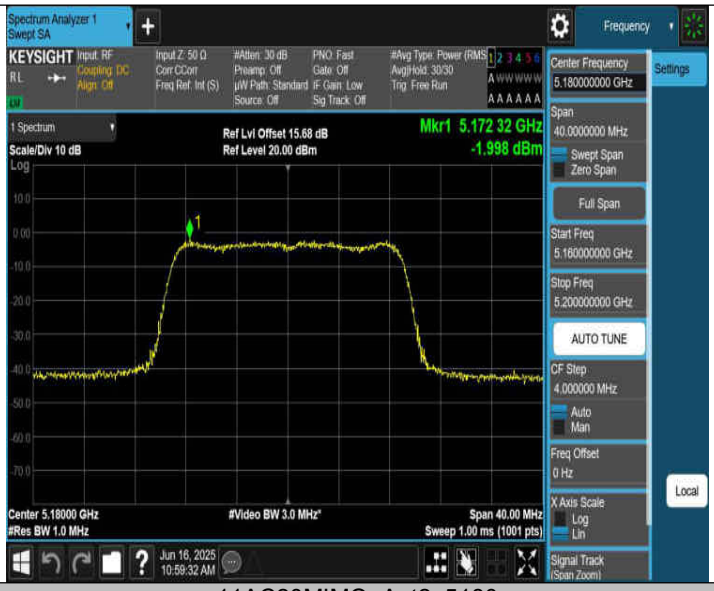
11N40MIMO_Ant2_5755

11N40MIMO_Ant1_5795

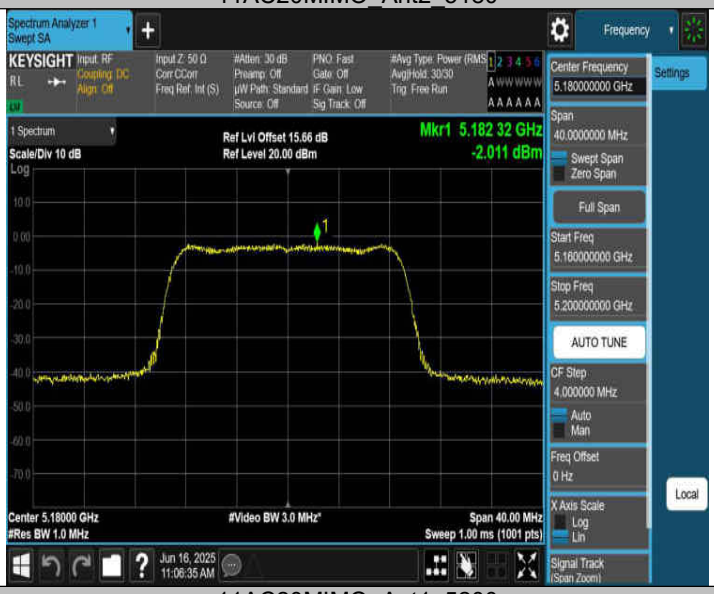


11N40MIMO_Ant2_5795

11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180



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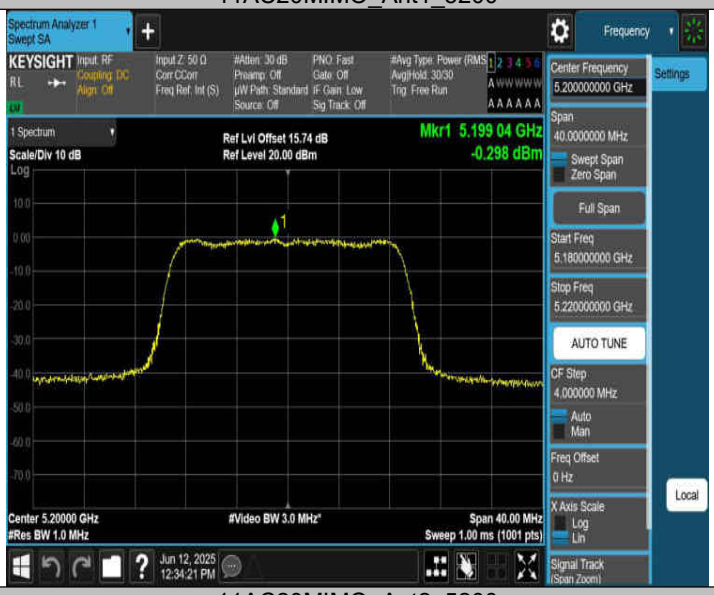

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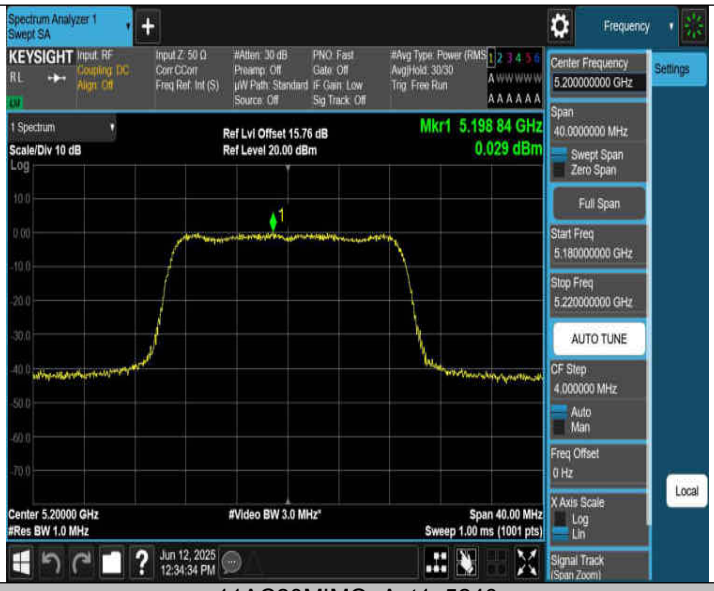

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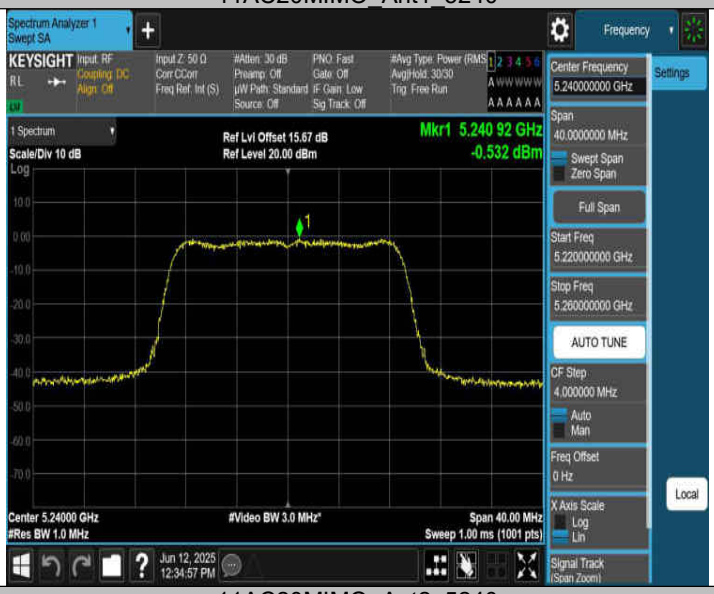

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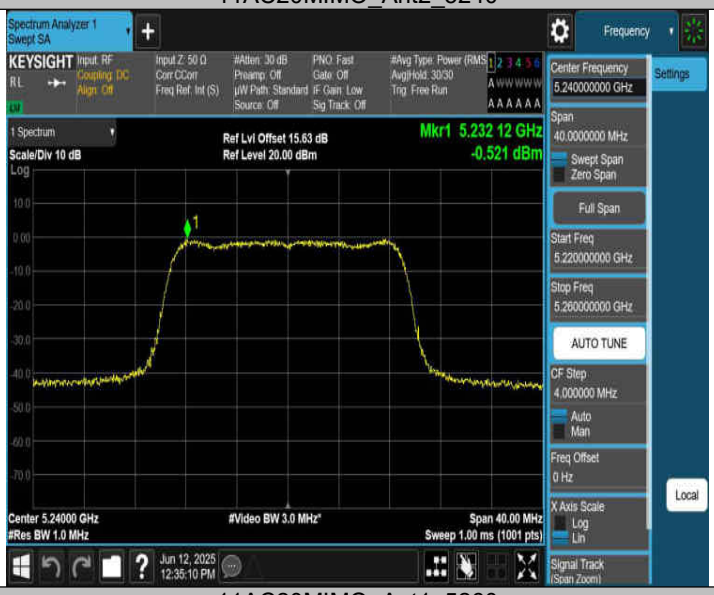

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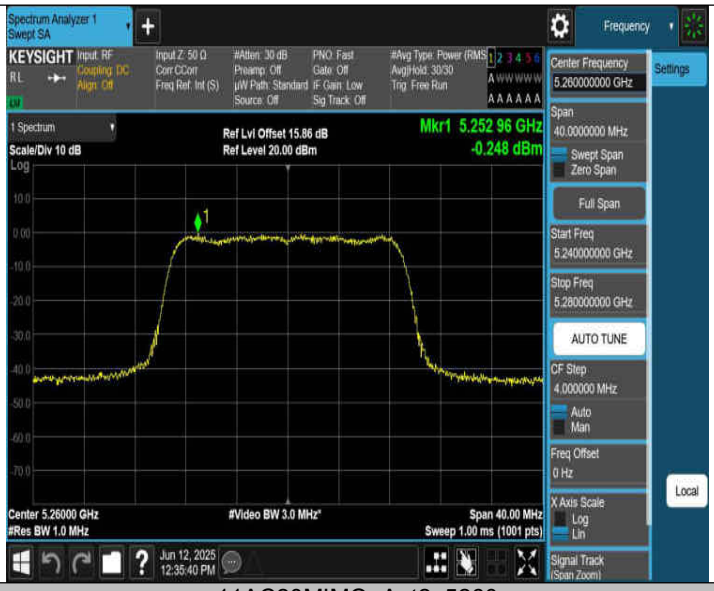

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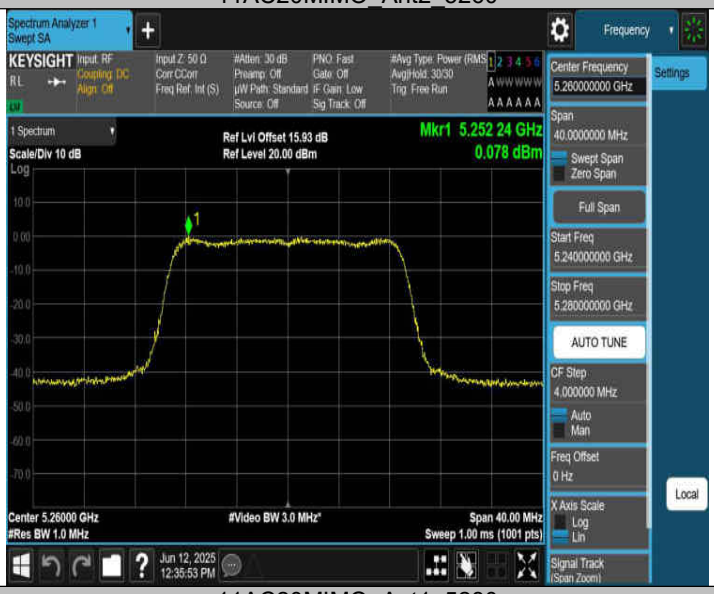

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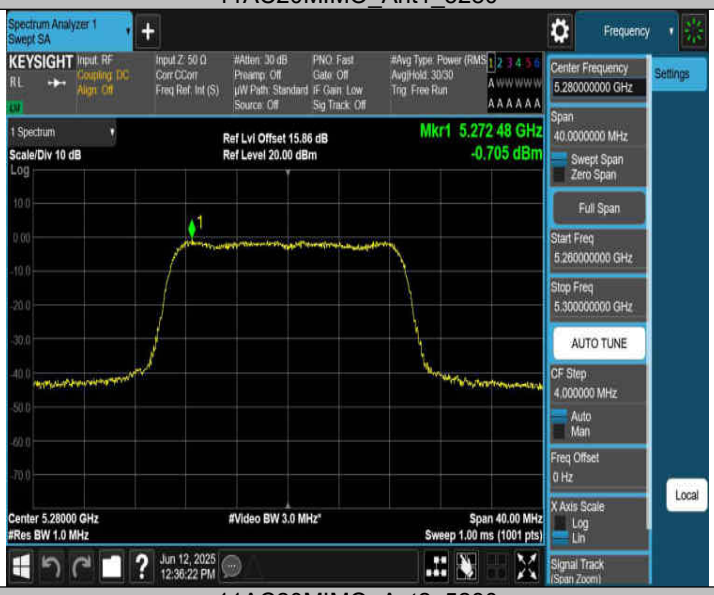

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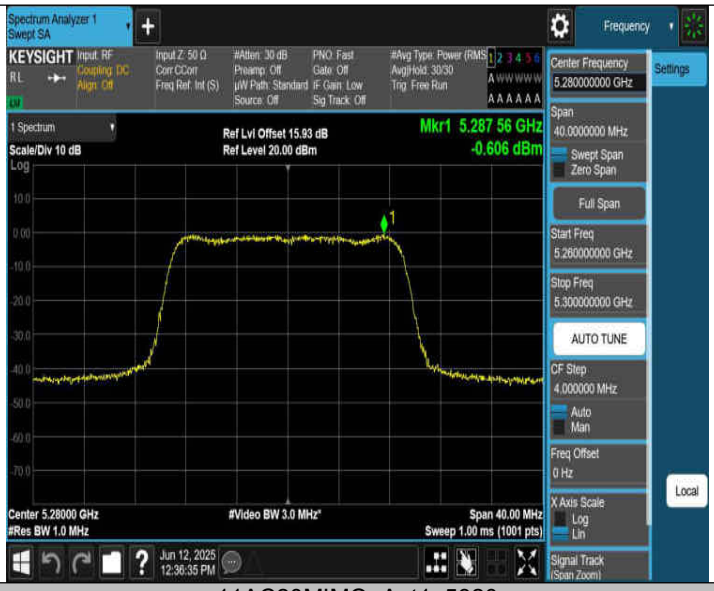

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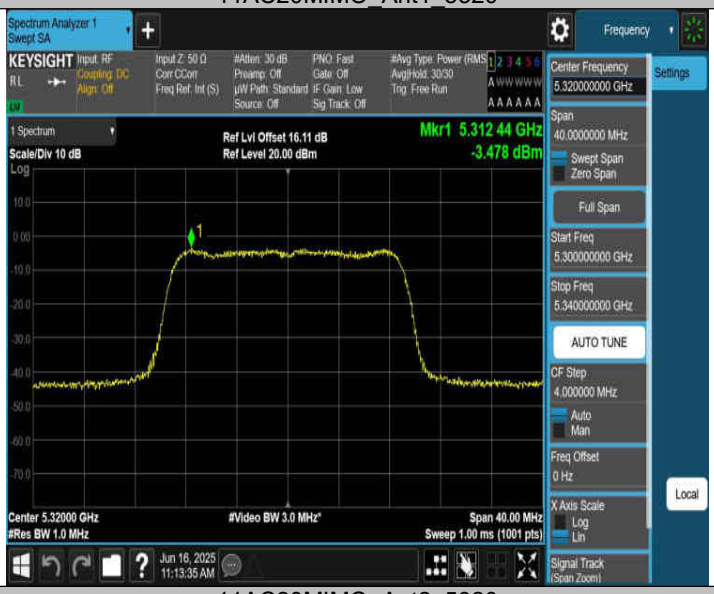

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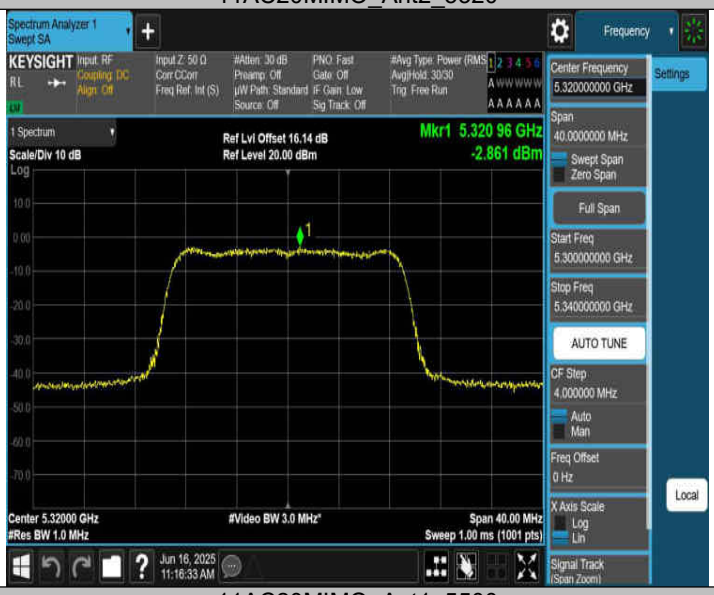

11AC20MIMO_Ant1_5500