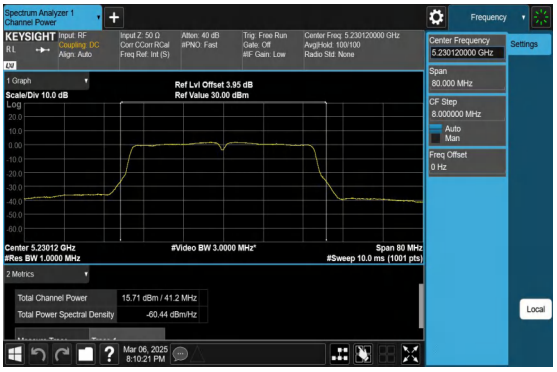

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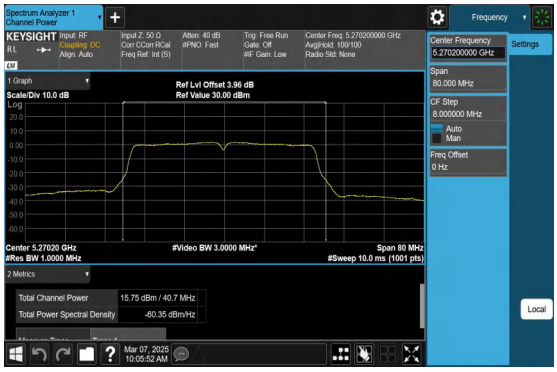

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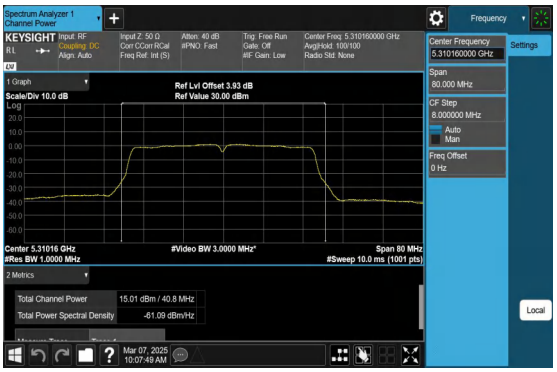

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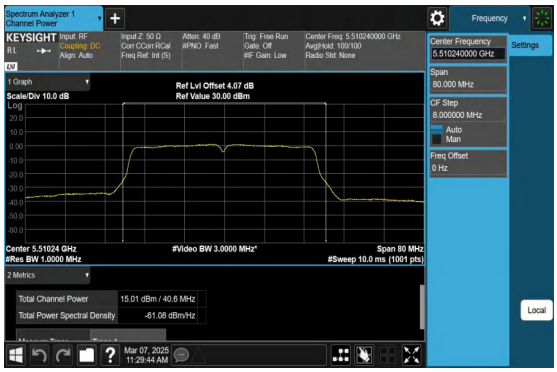

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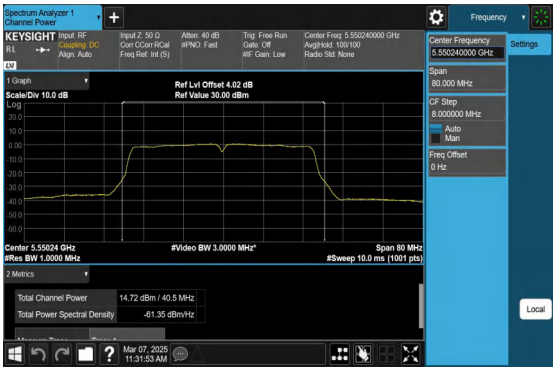

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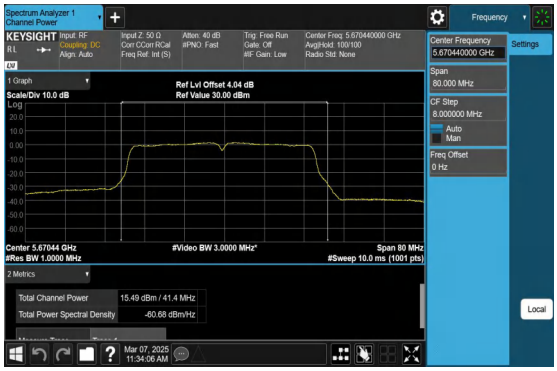

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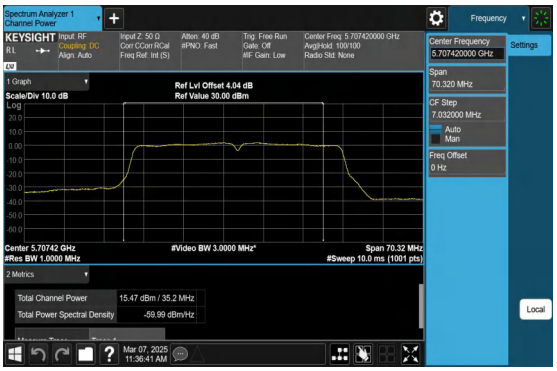

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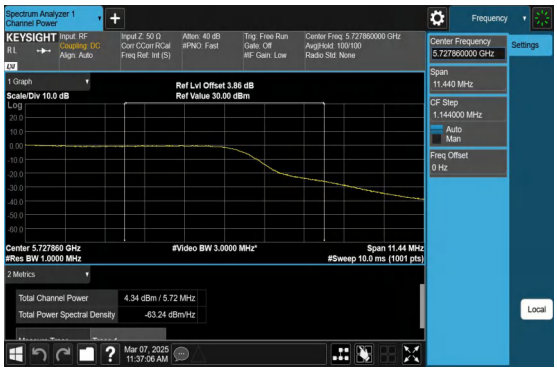

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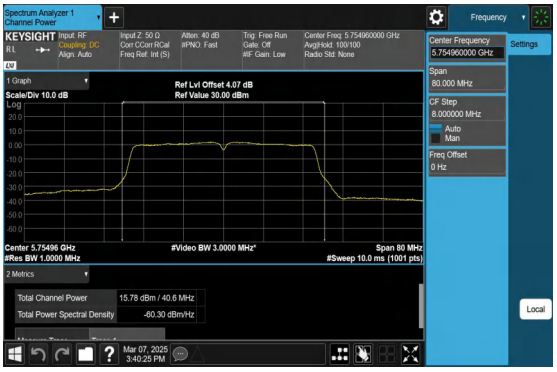

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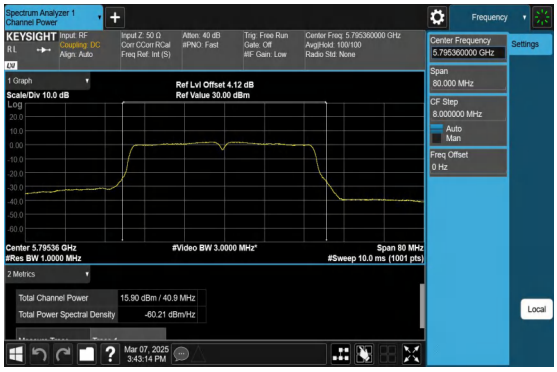

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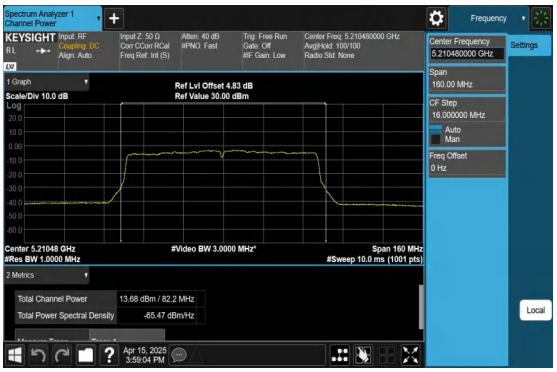

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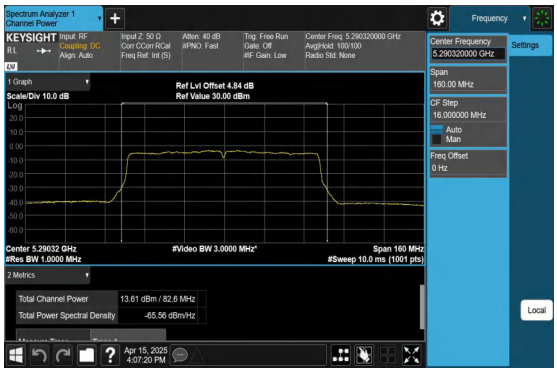

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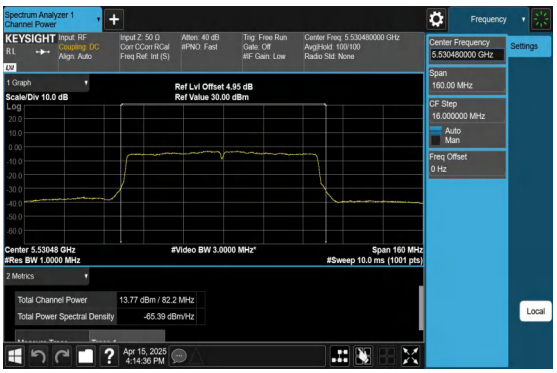

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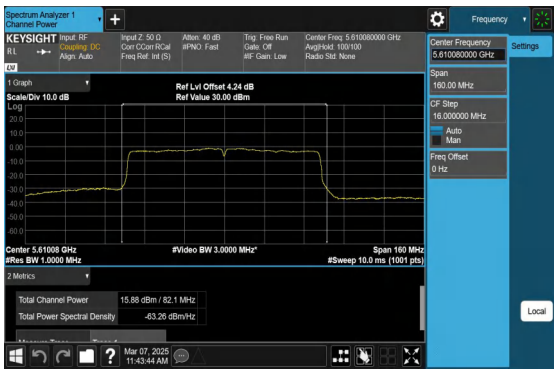

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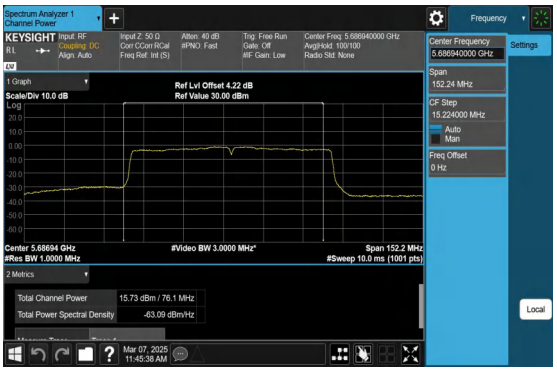

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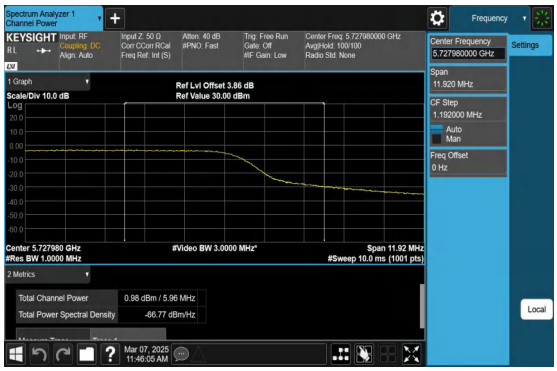

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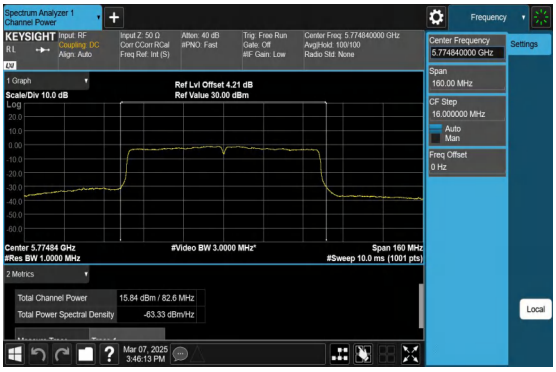
 Spectrum Analyzer 1 Channel Power KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) Atten: 40 dB #PNO: Fast Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 5.774840000 GHz Avg|Hold: 100/100 Radio Std: None Frequency Center Frequency 5.774840000 GHz Settings Span 160.00 MHz CF Step 16.000000 MHz Auto Man Freq Offset 0 Hz 1 Graph Ref Lvl Offset 4.21 dB Ref Value 30.00 dBm Scale/Div 10.0 dB Log Center 5.77484 GHz #Res BW 1.0000 MHz #Video BW 3.0000 MHz* Span 160 MHz #Sweep 10.0 ms (1001 pts) 2 Metrics Total Channel Power 15.84 dBm / 82.6 MHz Total Power Spectral Density -63.33 dBm/Hz Local Mar 07, 2025 3:46:13 PM	/

A.3 Power Spectral Density Measurement

Test Result

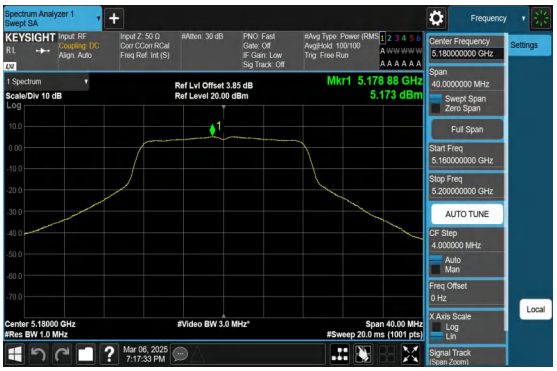
Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Mode	Antenna	Frequency [MHz]	Read Value	Dc Factor	RBW Factor	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.11	0.06	0.00	5.17	≤11.00	PASS
11A	Ant1	5220	5.06	0.08	0.00	5.14	≤11.00	PASS
11A	Ant1	5240	4.72	0.08	0.00	4.80	≤11.00	PASS
11A	Ant1	5260	5.20	0.08	0.00	5.28	≤11.00	PASS
11A	Ant1	5300	5.00	0.08	0.00	5.08	≤11.00	PASS
11A	Ant1	5320	4.79	0.10	0.00	4.89	≤11.00	PASS
11A	Ant1	5500	5.28	0.08	0.00	5.36	≤11.00	PASS
11A	Ant1	5580	5.98	0.08	0.00	6.06	≤11.00	PASS
11A	Ant1	5700	5.65	0.08	0.00	5.73	≤11.00	PASS
11A	Ant1	5720_UNII-2C	5.84	0.06	0.00	5.90	≤11.00	PASS
11A	Ant1	5720_UNII-3	-0.90	0.06	2.22	1.38	≤30.00	PASS
11A	Ant1	5745	0.61	0.06	2.22	2.89	≤30.00	PASS
11A	Ant1	5785	0.61	0.08	2.22	2.91	≤30.00	PASS
11A	Ant1	5825	-0.63	0.08	2.22	1.67	≤30.00	PASS
11N20SISO	Ant1	5180	4.08	0.09	0.00	4.17	≤11.00	PASS
11N20SISO	Ant1	5220	4.10	0.07	0.00	4.17	≤11.00	PASS
11N20SISO	Ant1	5240	3.74	0.11	0.00	3.85	≤11.00	PASS
11N20SISO	Ant1	5260	4.46	0.09	0.00	4.55	≤11.00	PASS
11N20SISO	Ant1	5300	4.66	0.07	0.00	4.73	≤11.00	PASS
11N20SISO	Ant1	5320	3.78	0.11	0.00	3.89	≤11.00	PASS
11N20SISO	Ant1	5500	4.30	0.09	0.00	4.39	≤11.00	PASS
11N20SISO	Ant1	5580	4.97	0.07	0.00	5.04	≤11.00	PASS
11N20SISO	Ant1	5700	5.21	0.09	0.00	5.30	≤11.00	PASS
11N20SISO	Ant1	5720_UNII-2C	4.84	0.09	0.00	4.93	≤11.00	PASS
11N20SISO	Ant1	5720_UNII-3	-1.50	0.09	2.22	0.81	≤30.00	PASS
11N20SISO	Ant1	5745	0.71	0.07	2.22	3.00	≤30.00	PASS
11N20SISO	Ant1	5785	0.00	0.09	2.22	2.31	≤30.00	PASS
11N20SISO	Ant1	5825	-0.72	0.09	2.22	1.59	≤30.00	PASS
11N40SISO	Ant1	5190	0.21	0.18	0.00	0.39	≤11.00	PASS
11N40SISO	Ant1	5230	1.83	0.13	0.00	1.96	≤11.00	PASS
11N40SISO	Ant1	5270	1.22	0.18	0.00	1.40	≤11.00	PASS
11N40SISO	Ant1	5310	1.36	0.18	0.00	1.54	≤11.00	PASS

11N40SISO	Ant1	5510	0.90	0.18	0.00	1.08	≤11.00	PASS
11N40SISO	Ant1	5550	1.06	0.13	0.00	1.19	≤11.00	PASS
11N40SISO	Ant1	5670	0.72	0.18	0.00	0.90	≤11.00	PASS
11N40SISO	Ant1	5710_UNII-2C	2.03	0.13	0.00	2.16	≤11.00	PASS
11N40SISO	Ant1	5710_UNII-3	-4.85	0.13	2.22	-2.50	≤30.00	PASS
11N40SISO	Ant1	5755	-3.49	0.13	2.22	-1.14	≤30.00	PASS
11N40SISO	Ant1	5795	-4.03	0.18	2.22	-1.63	≤30.00	PASS
11AC20SISO	Ant1	5180	4.66	0.11	0.00	4.77	≤11.00	PASS
11AC20SISO	Ant1	5220	4.05	0.07	0.00	4.12	≤11.00	PASS
11AC20SISO	Ant1	5240	3.76	0.09	0.00	3.85	≤11.00	PASS
11AC20SISO	Ant1	5260	3.94	0.09	0.00	4.03	≤11.00	PASS
11AC20SISO	Ant1	5300	3.68	0.09	0.00	3.77	≤11.00	PASS
11AC20SISO	Ant1	5320	3.90	0.09	0.00	3.99	≤11.00	PASS
11AC20SISO	Ant1	5500	3.91	0.09	0.00	4.00	≤11.00	PASS
11AC20SISO	Ant1	5580	4.09	0.09	0.00	4.18	≤11.00	PASS
11AC20SISO	Ant1	5700	4.23	0.09	0.00	4.32	≤11.00	PASS
11AC20SISO	Ant1	5720_UNII-2C	4.36	0.11	0.00	4.47	≤11.00	PASS
11AC20SISO	Ant1	5720_UNII-3	-2.25	0.11	2.22	0.08	≤30.00	PASS
11AC20SISO	Ant1	5745	-0.34	0.09	2.22	1.97	≤30.00	PASS
11AC20SISO	Ant1	5785	-0.88	0.09	2.22	1.43	≤30.00	PASS
11AC20SISO	Ant1	5825	-1.77	0.09	2.22	0.54	≤30.00	PASS
11AC40SISO	Ant1	5190	1.80	0.13	0.00	1.93	≤11.00	PASS
11AC40SISO	Ant1	5230	1.45	0.18	0.00	1.63	≤11.00	PASS
11AC40SISO	Ant1	5270	1.50	0.18	0.00	1.68	≤11.00	PASS
11AC40SISO	Ant1	5310	0.95	0.13	0.00	1.08	≤11.00	PASS
11AC40SISO	Ant1	5510	0.79	0.18	0.00	0.97	≤11.00	PASS
11AC40SISO	Ant1	5550	0.55	0.13	0.00	0.68	≤11.00	PASS
11AC40SISO	Ant1	5670	1.23	0.18	0.00	1.41	≤11.00	PASS
11AC40SISO	Ant1	5710_UNII-2C	1.53	0.18	0.00	1.71	≤11.00	PASS
11AC40SISO	Ant1	5710_UNII-3	-5.24	0.18	2.22	-2.84	≤30.00	PASS
11AC40SISO	Ant1	5755	-3.59	0.13	2.22	-1.24	≤30.00	PASS
11AC40SISO	Ant1	5795	-3.44	0.18	2.22	-1.04	≤30.00	PASS
11AC80SISO	Ant1	5210	-3.57	0.36	0.00	-3.21	≤11.00	PASS
11AC80SISO	Ant1	5290	-3.62	0.36	0.00	-3.26	≤11.00	PASS
11AC80SISO	Ant1	5530	-3.58	0.36	0.00	-3.22	≤11.00	PASS
11AC80SISO	Ant1	5610	-1.46	0.36	0.00	-1.10	≤11.00	PASS
11AC80SISO	Ant1	5690_UNII-2C	-1.53	0.36	0.00	-1.17	≤11.00	PASS
11AC80SISO	Ant1	5690_UNII-3	-8.48	0.36	2.22	-5.90	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.50	0.27	2.22	-4.01	≤30.00	PASS

Test Graphs

11A-Ant1-5180-PASS



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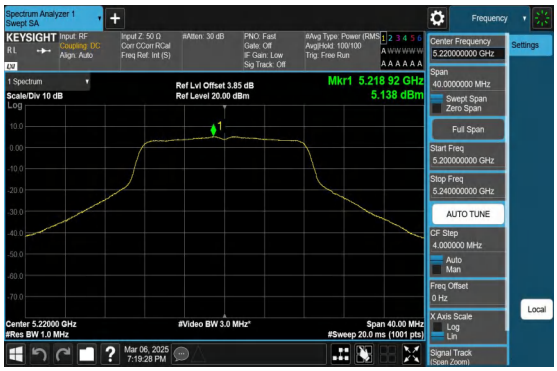

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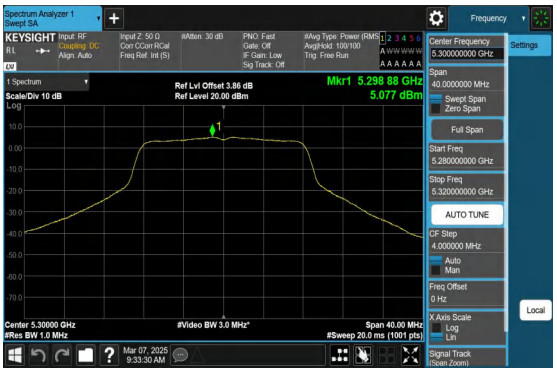
11A-Ant1-5260-PASS

11A-Ant1-5300-PASS



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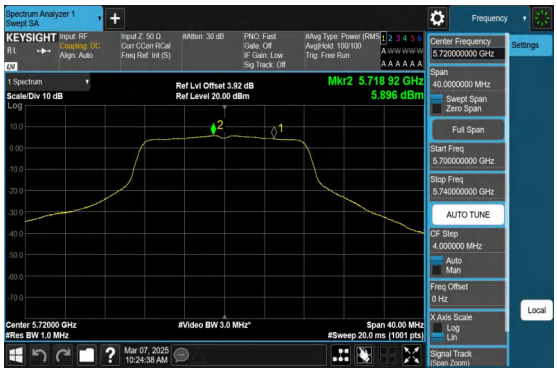
11A-Ant1-5500-PASS

11A-Ant1-5580-PASS

11A-Ant1-5700-PASS

11A-Ant1-5720_UNII-2C-PASS

11A-Ant1-5720_UNII-3-PASS



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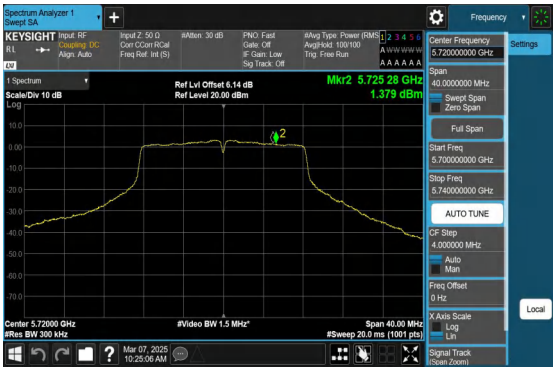

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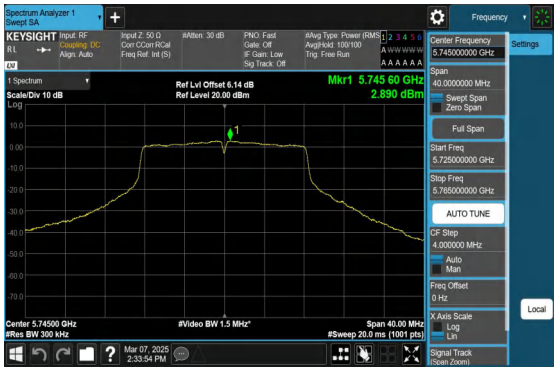

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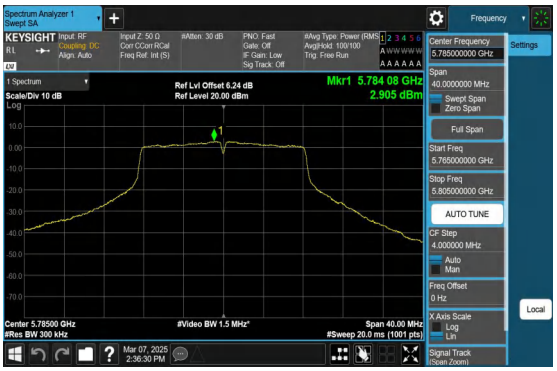

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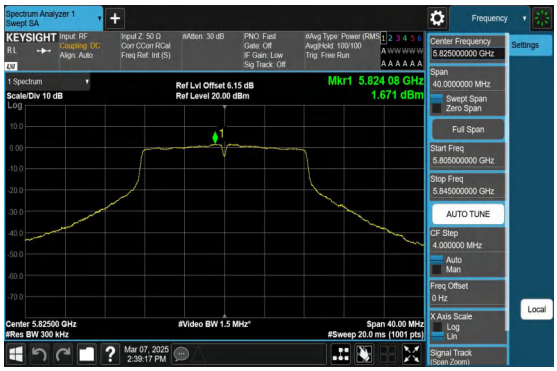

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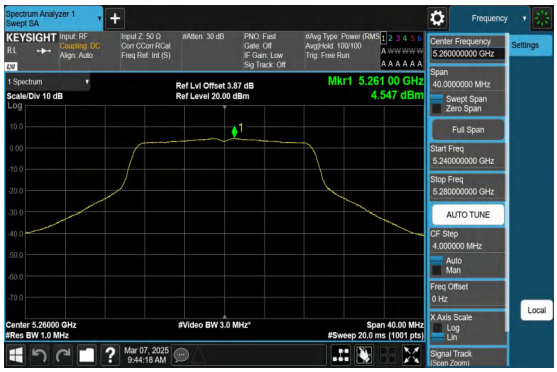
11N20SISO-Ant1-5240-PASS

11N20SISO-Ant1-5260-PASS

11N20SISO-Ant1-5300-PASS



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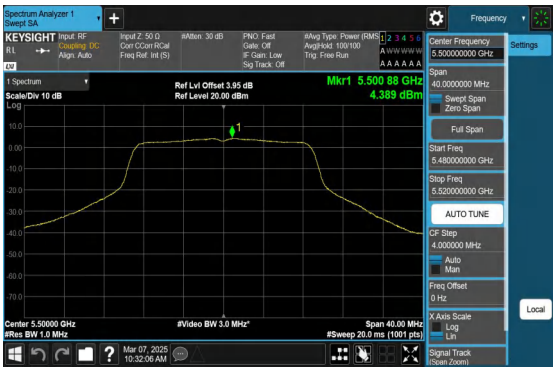
11N20SISO-Ant1-5580-PASS



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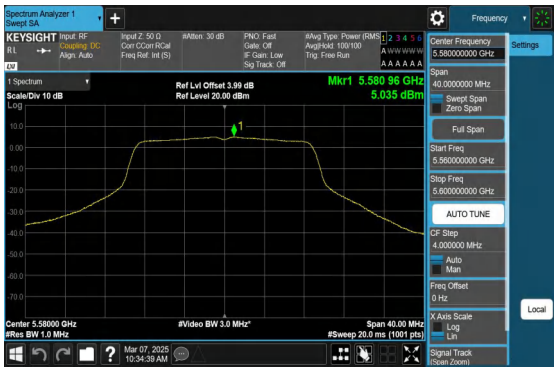
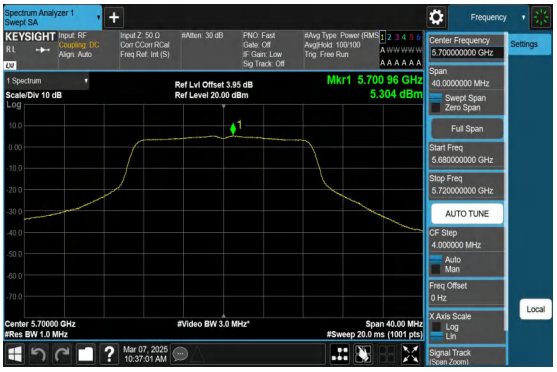


11N20SISO-Ant1-5720_UNII-2C-PASS



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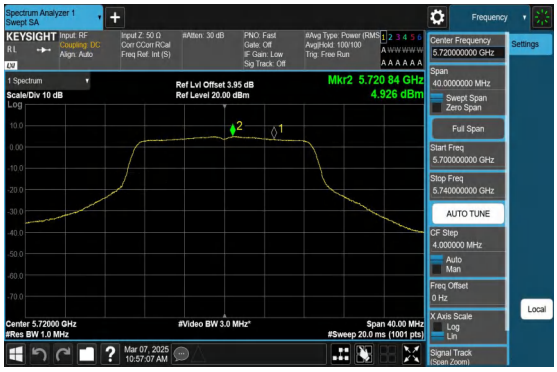

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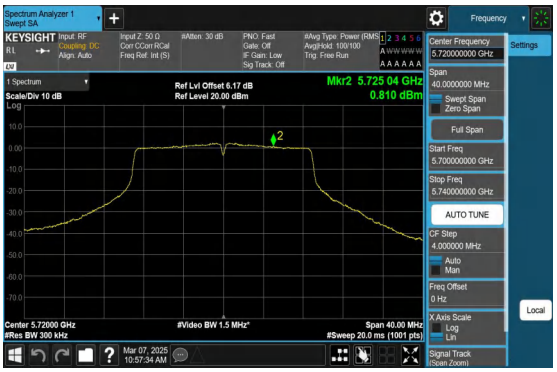

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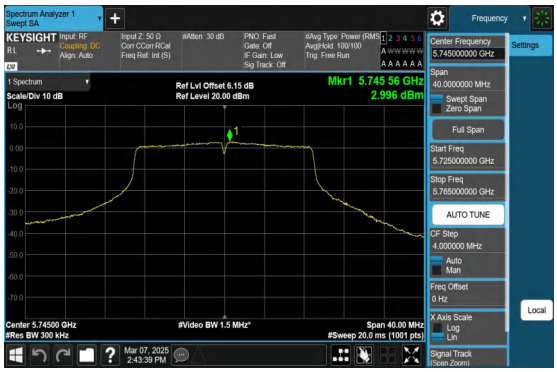
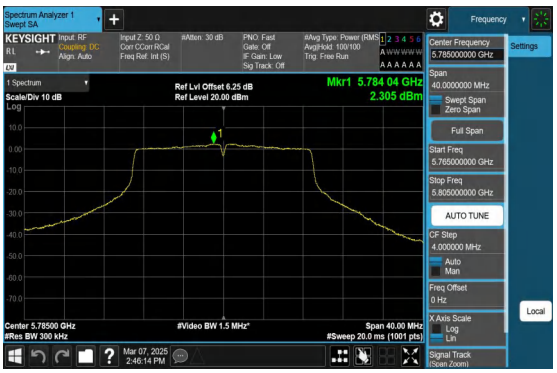
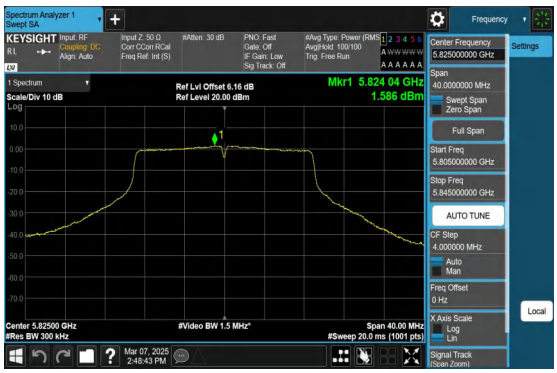


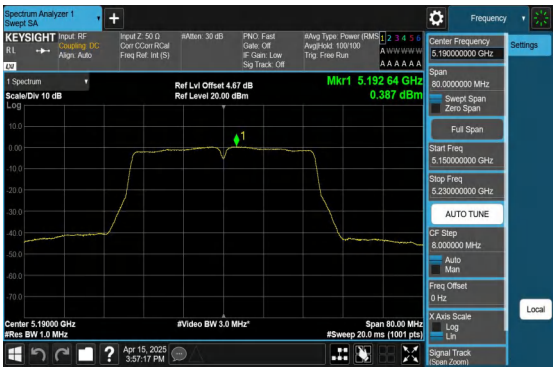
11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5190-PASS

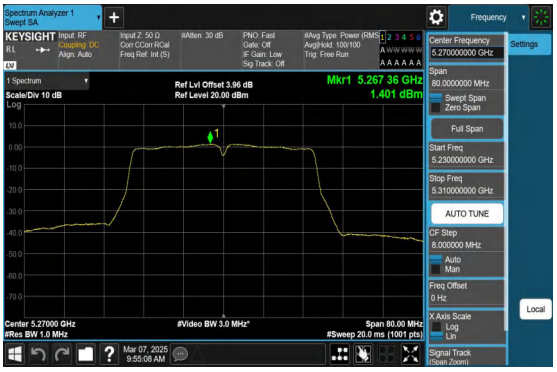


11N40SISO-Ant1-5230-PASS



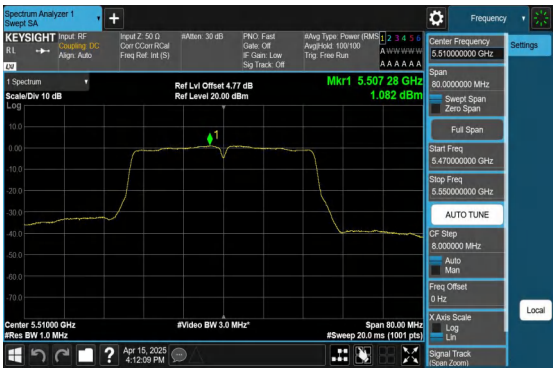
11N40SISO-Ant1-5270-PASS

11N40SISO-Ant1-5310-PASS

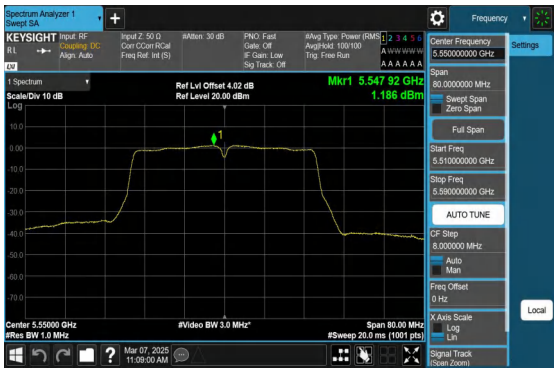


11N40SISO-Ant1-5510-PASS

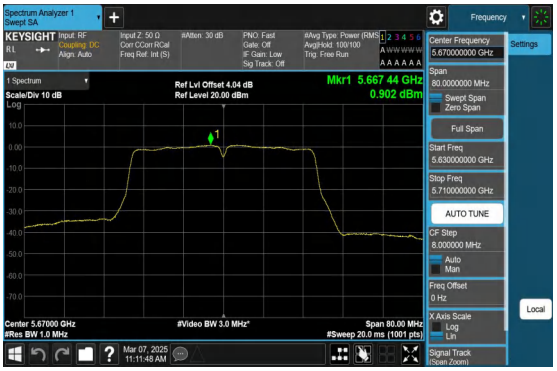
11N40SISO-Ant1-5550-PASS



11N40SISO-Ant1-5670-PASS

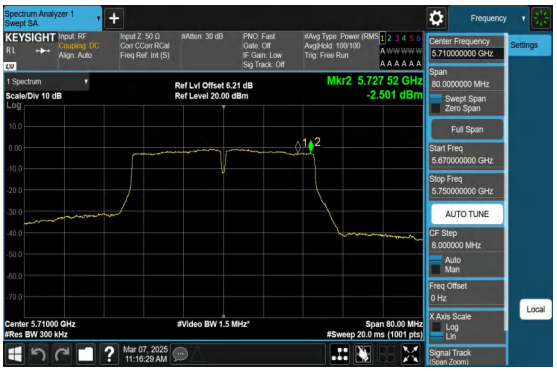


11N40SISO-Ant1-5710_UNII-2C-PASS



11N40SISO-Ant1-5710_UNII-3-PASS

11N40SISO-Ant1-5755-PASS



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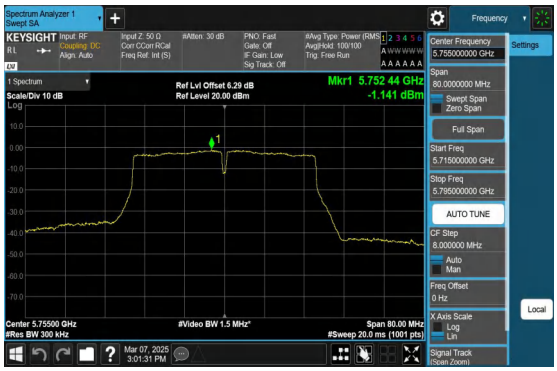
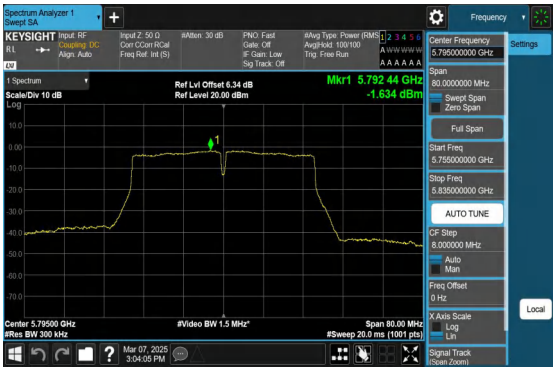


11AC20SISO-Ant1-5180-PASS



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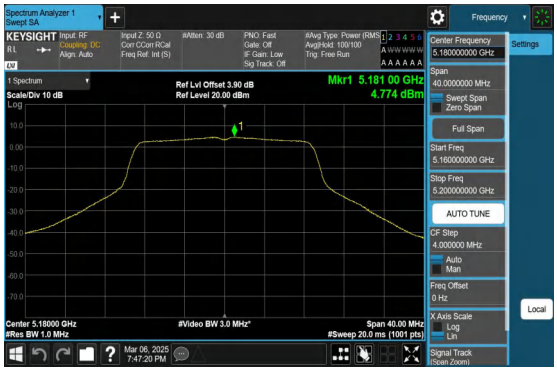

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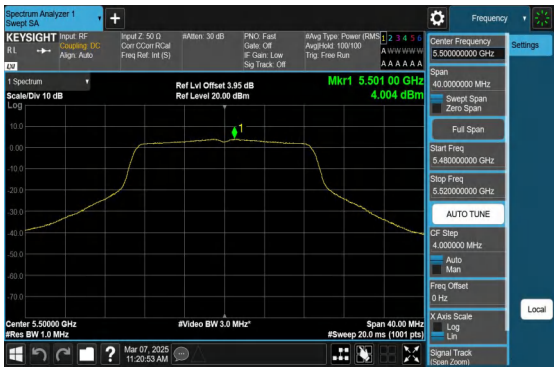
11AC20SISO-Ant1-5260-PASS

11AC20SISO-Ant1-5300-PASS

11AC20SISO-Ant1-5320-PASS

11AC20SISO-Ant1-5500-PASS

11AC20SISO-Ant1-5580-PASS



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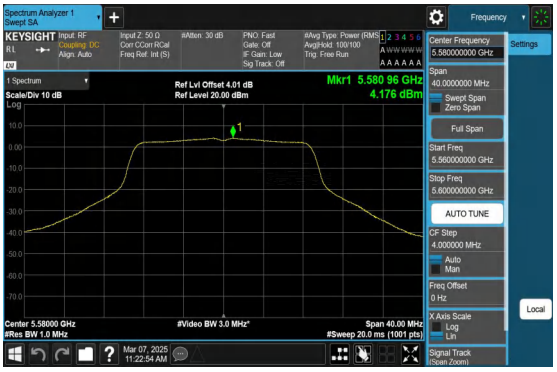
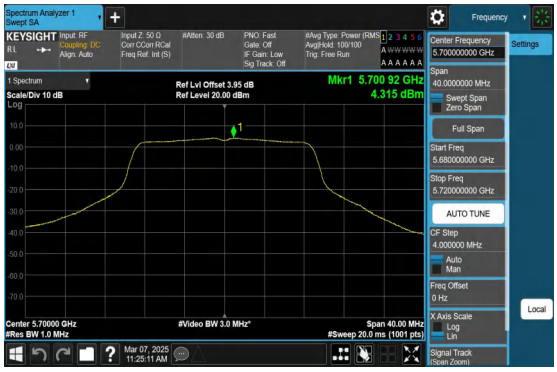
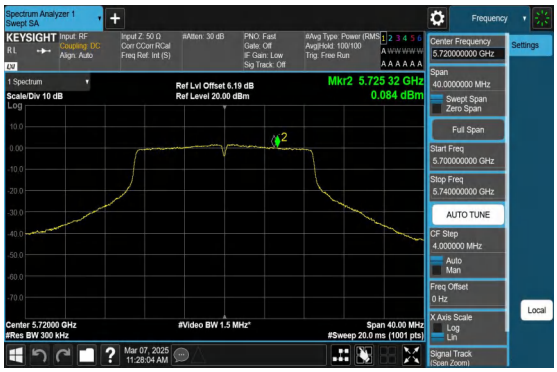


11AC20SISO-Ant1-5720_UNII-2C-PASS



11AC20SISO-Ant1-5720_UNII-3-PASS

11AC20SISO-Ant1-5745-PASS



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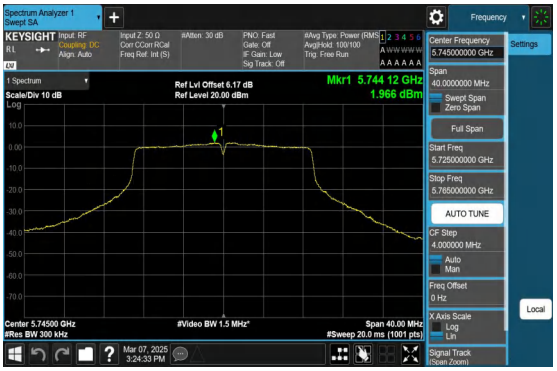
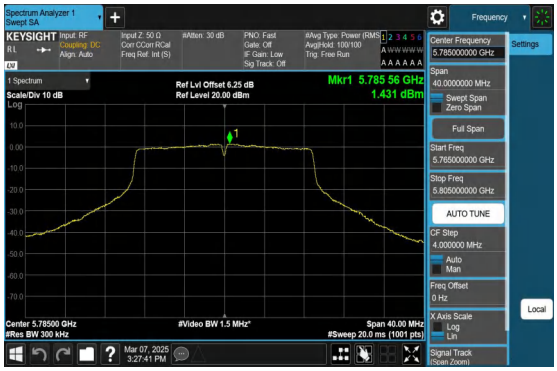


11AC20SISO-Ant1-5825-PASS



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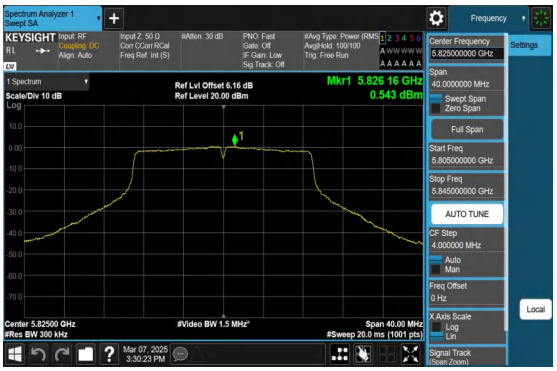
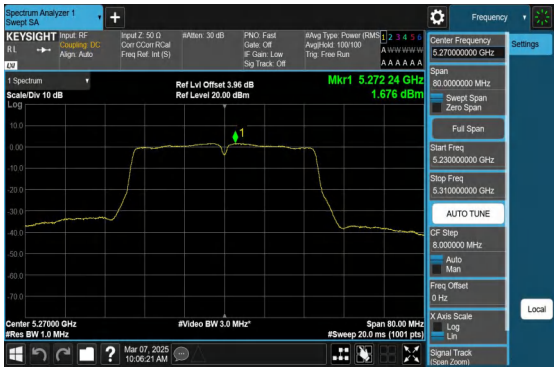


11AC40SISO-Ant1-5230-PASS

11AC40SISO-Ant1-5270-PASS

11AC40SISO-Ant1-5310-PASS



11AC40SISO-Ant1-5510-PASS

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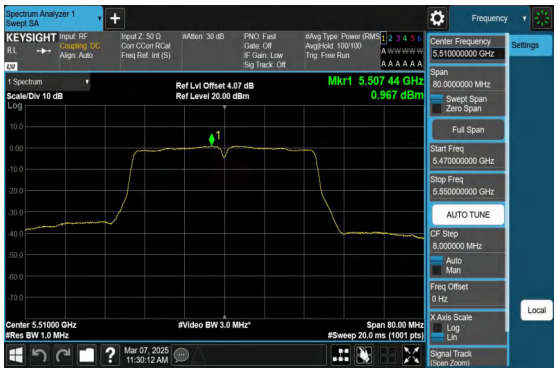
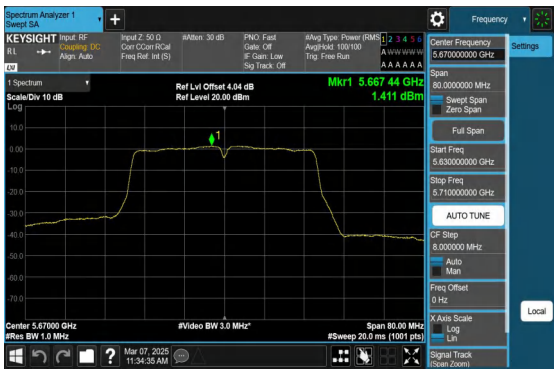


11AC40SISO-Ant1-5670-PASS

11AC40SISO-Ant1-5710_UNII-2C-PASS



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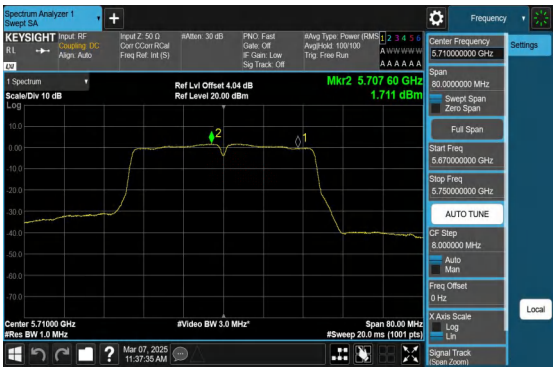

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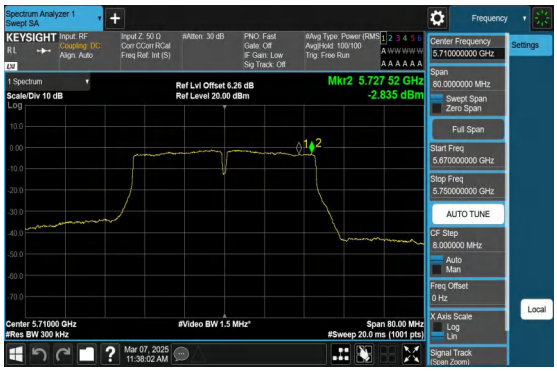
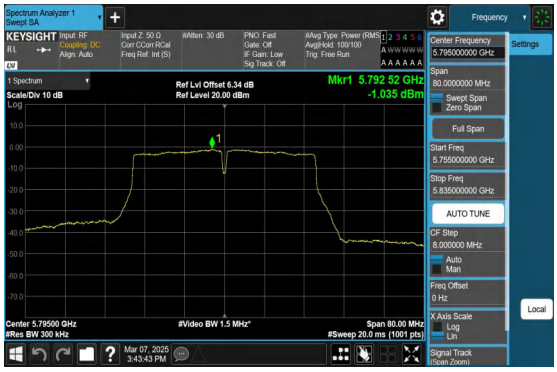


11AC40SISO-Ant1-5795-PASS

11AC80SISO-Ant1-5210-PASS



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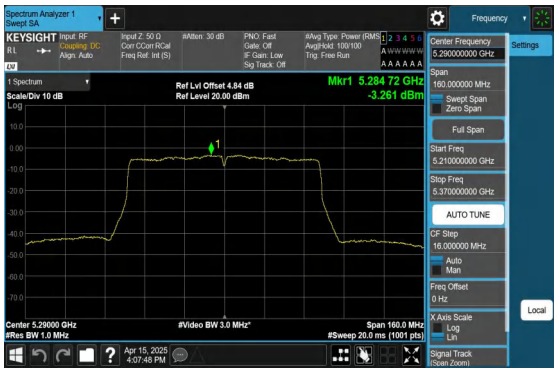
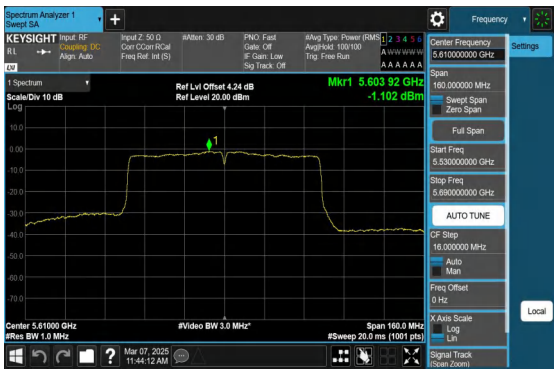


11AC80SISO-Ant1-5610-PASS

11AC80SISO-Ant1-5690_UNII-2C-PASS



11AC80SISO-Ant1-5690_UNII-3-PASS

11AC80SISO-Ant1-5775-PASS

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Spectrum Analyzer 1 Swept SA KEYSICHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr RCal Freq Ref: Int (S) #Atten: 30 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Avg|Hold: 100/100 Trig: Free Run 1 Spectrum Scale/Div 10 dB Log Ref Lvl Offset 6.43 dB Ref Level 20.00 dBm Mkr1 5.768 76 GHz -4.008 dBm Center 5.77500 GHz #Res BW 300 kHz #Video BW 1.5 MHz* Span 160.0 MHz #Sweep 20.0 ms (1001 pts) Frequency Settings Center Frequency 5.775000000 GHz Span 160.000000 MHz Swept Span Zero Span Full Span Start Freq 5.695000000 GHz Stop Freq 5.855000000 GHz AUTO TUNE CF Step 16.000000 MHz Auto Man Freq Offset 0 Hz X Axis Scale Log Lin Signal Track (Span Zoom) Local Mar 07, 2025 3:46:42 PM	/