

Appendix B(RF Conducted Test Result)

Test Information:

Sample No.:	30VJ-6	Test Date:	2025/05/15~2025/08/08
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cayde Hou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.9~25.7	Relative Humidity: (%)	48~56	ATM Pressure: (kPa)	99.3~100.2
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Emission Bandwidth

26dB Emission Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	28.044
	5200	34.683
	5240	34.029
802.11ac20	5180	35.102
	5200	36.531
	5240	37.631
802.11ac40	5190	48.148
	5230	57.412
802.11ac80	5210	87.087

5250-5350MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5260	30.422
	5300	30.508
	5320	33.414
802.11ac20	5260	33.941
	5300	32.292
	5320	31.820
802.11ac40	5270	54.342
	5310	59.852
802.11ac80	5290	93.293

6dB Emission Bandwidth

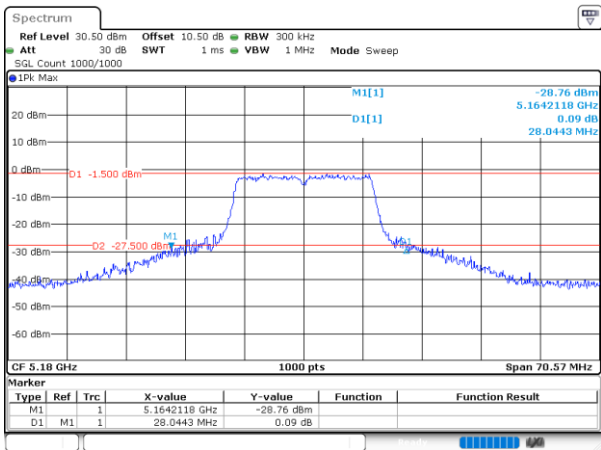
5725-5850MHz

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	16.416	0.5	Pass
	5785	16.416	0.5	Pass
	5825	16.416	0.5	Pass
802.11ac20	5745	17.267	0.5	Pass
	5785	17.367	0.5	Pass

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11ac20	5825	17.417	0.5	Pass
802.11ac40	5755	36.436	0.5	Pass
	5795	36.436	0.5	Pass
802.11ac80	5775	75.876	0.5	Pass

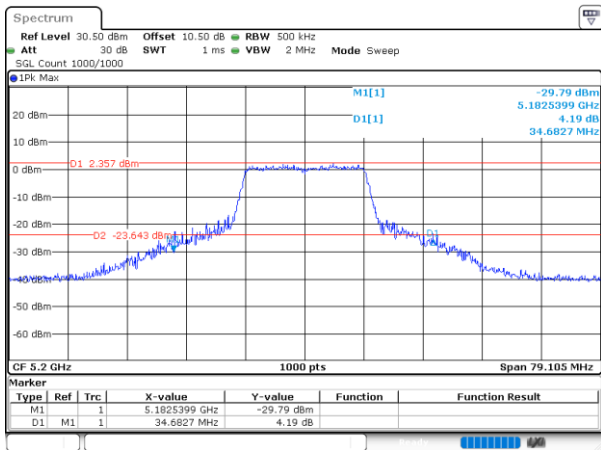
5150-5250MHz

802.11a_5180MHz



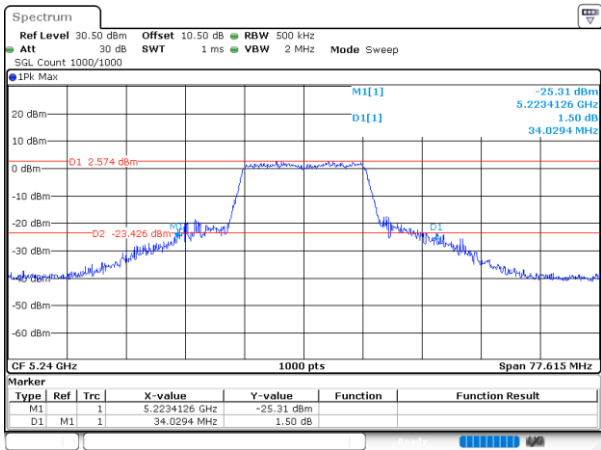
ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 14:05:48

802.11a_5200MHz



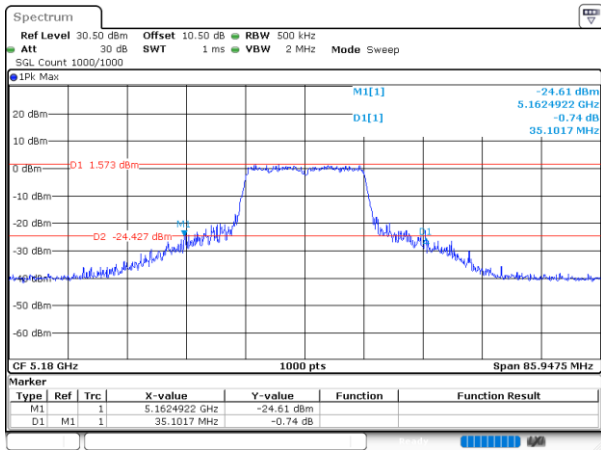
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802.11a_5240MHz



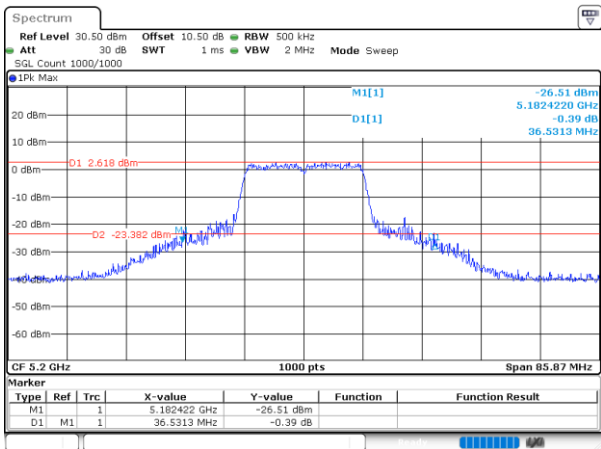
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802.11ac20_5180MHz



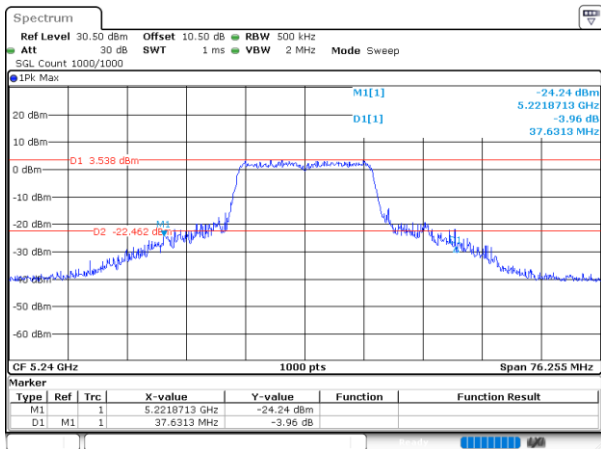
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802.11ac20_5200MHz



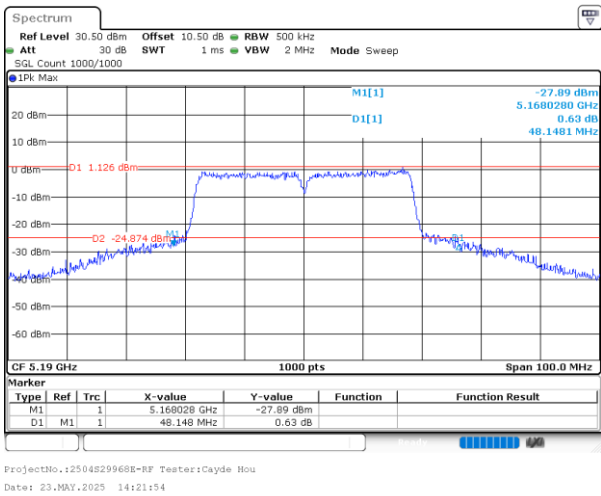
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802.11ac20_5240MHz

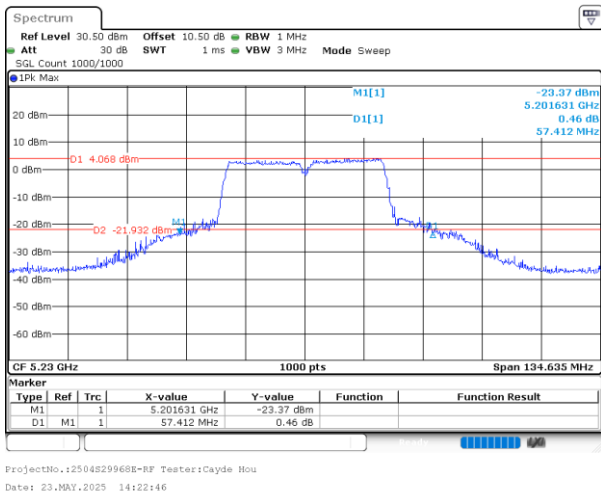


ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 14:20:54

802.11ac40_5190MHz

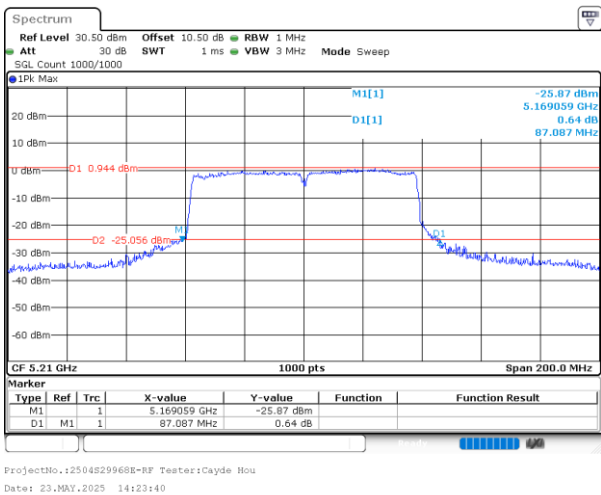


802.11ac40_5230MHz

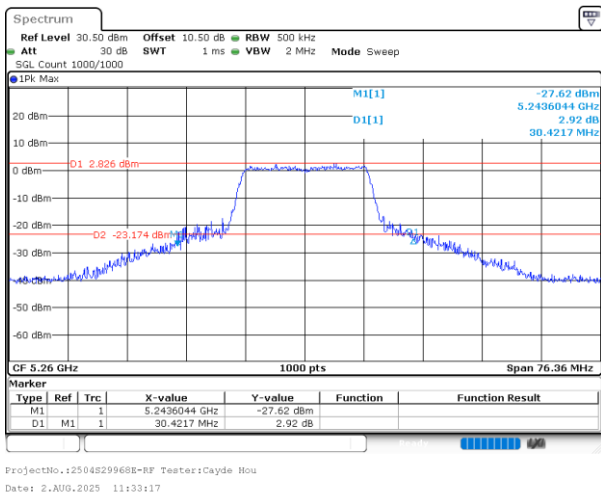


5250-5350MHz

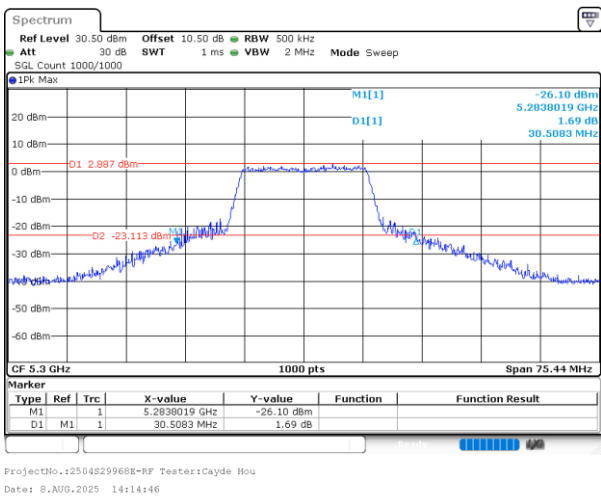
802.11ac80_5210MHz



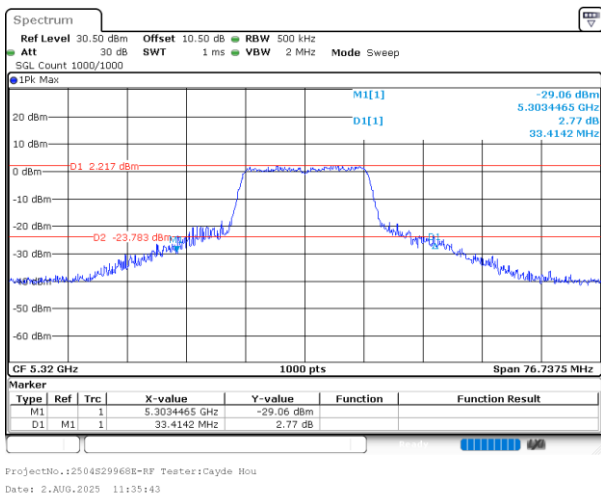
802.11a_5260MHz



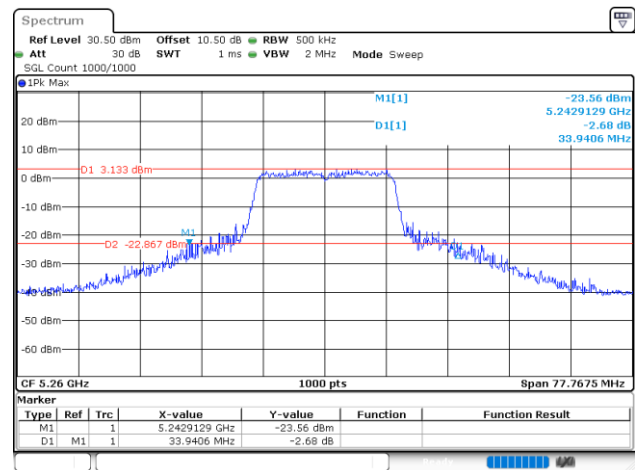
802.11a_5300MHz



802.11a_5320MHz

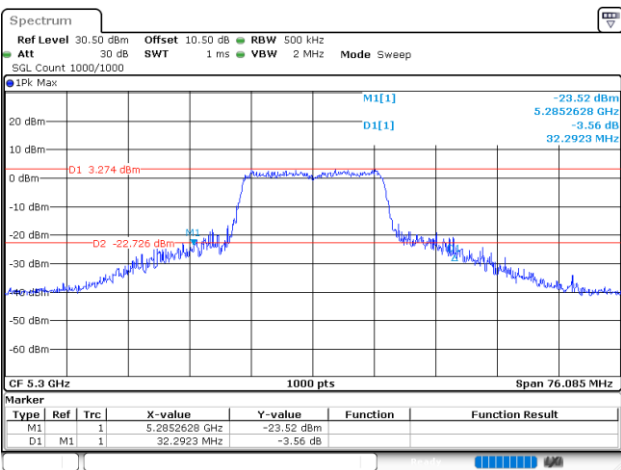


802.11ac20_5260MHz



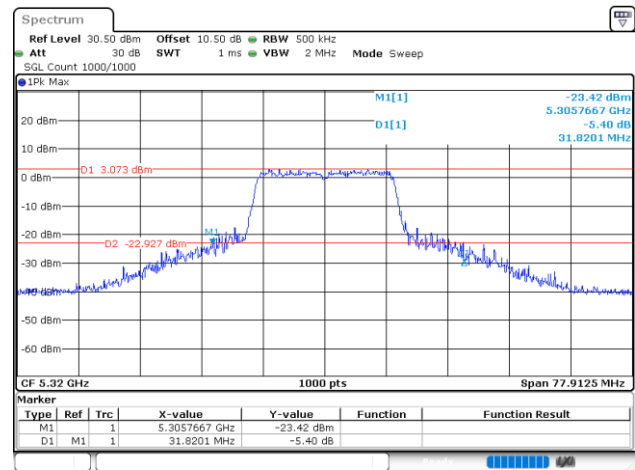
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802.11ac20_5300MHz



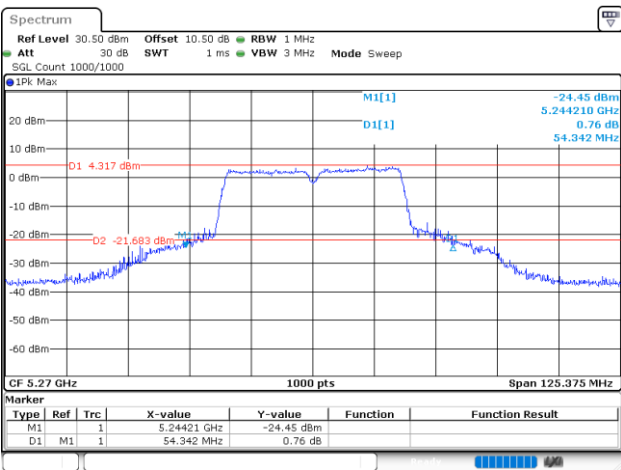
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802.11ac20_5320MHz



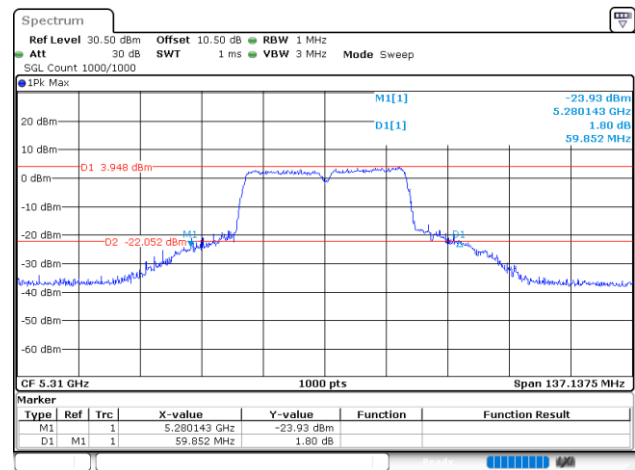
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Date: 2.AUG.2025 11:39:16

802.11ac40_5270MHz



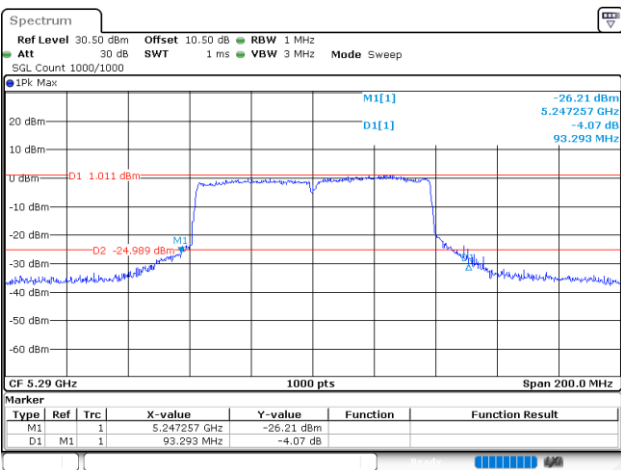
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Date: 2.AUG.2025 11:40:06

802.11ac40_5310MHz



ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 2.AUG.2025 11:41:01

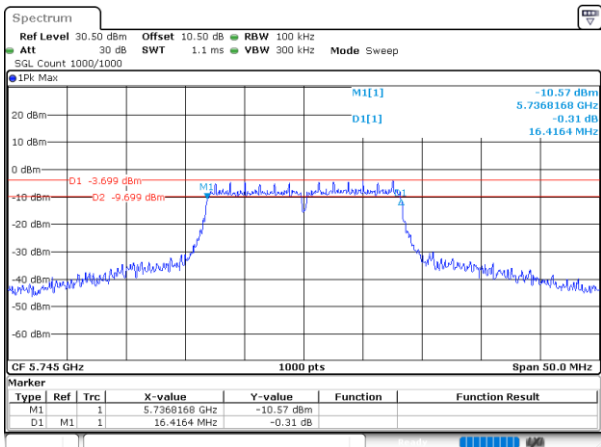
802.11ac80_5290MHz



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Date: 2.AUG.2025 11:42:01

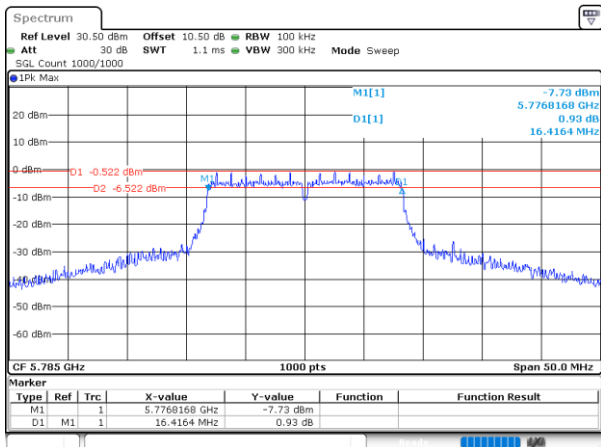
5725-5850MHz

802.11a_5745MHz



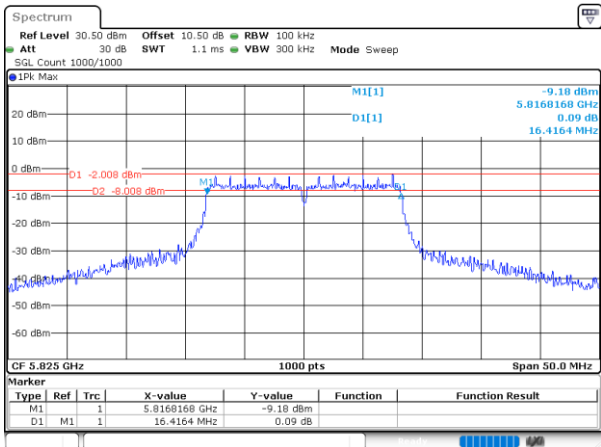
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802.11a_5785MHz



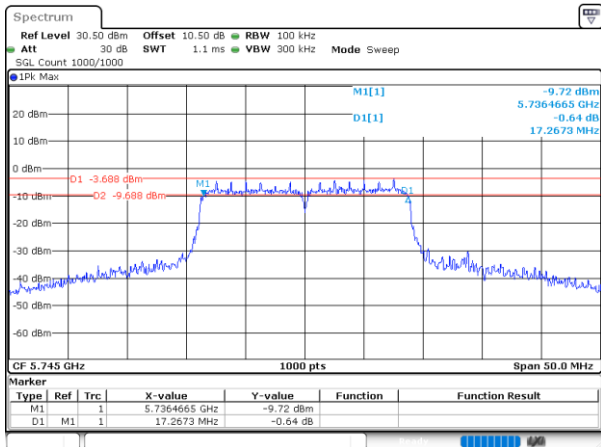
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Date: 23.MAY.2025 14:51:48

802.11a_5825MHz



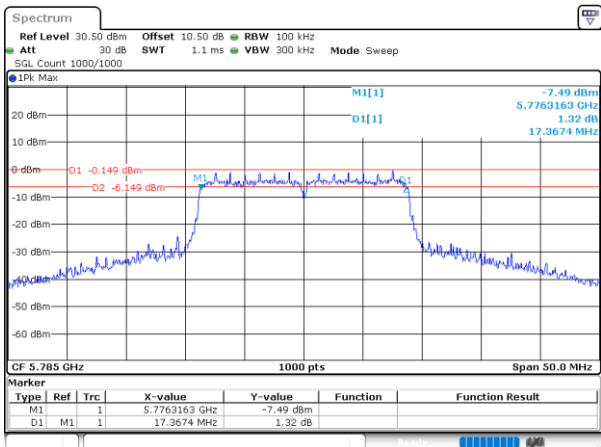
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Date: 23.MAY.2025 14:54:35

802.11ac20_5745MHz



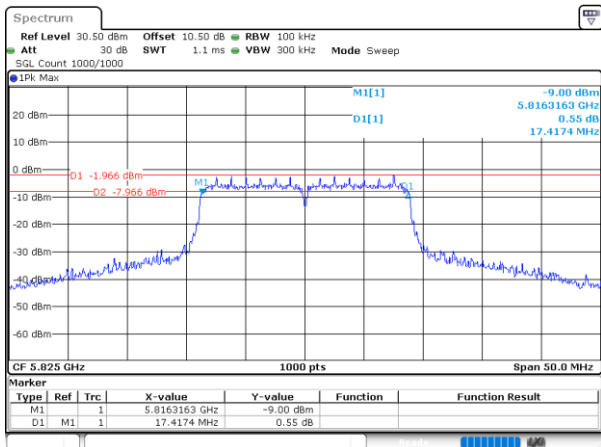
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Date: 23.MAY.2025 15:09:34

802.11ac20_5785MHz



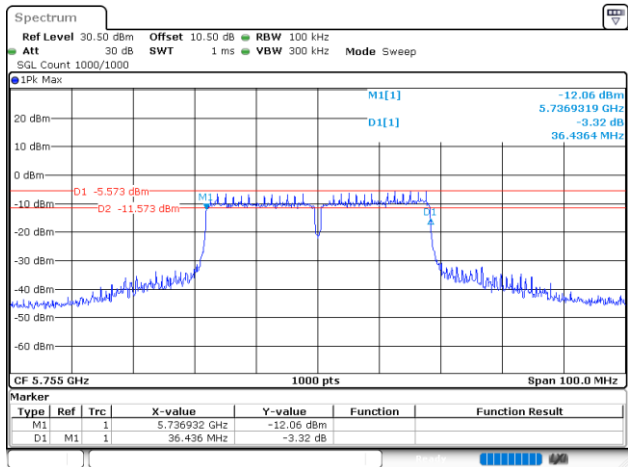
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802.11ac20_5825MHz



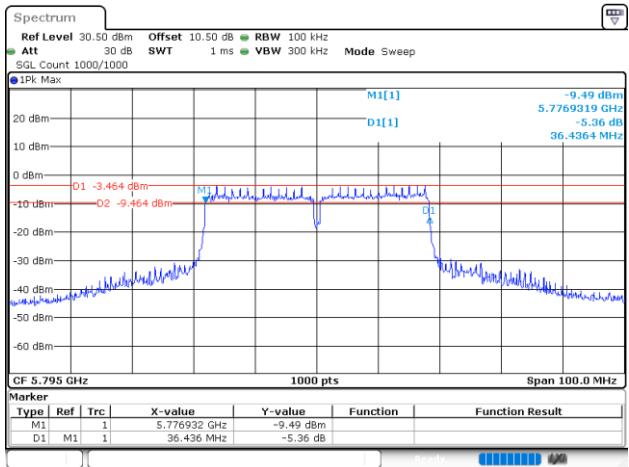
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802.11ac40_5755MHz



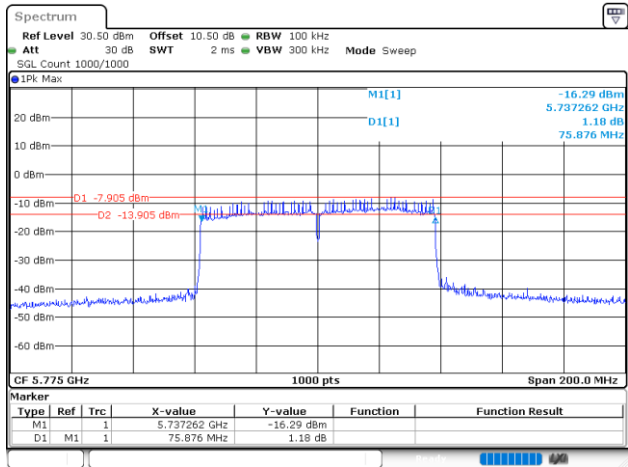
ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 15:13:40

802.11ac40_5795MHz



ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 15:14:25

802.11ac80_5775MHz



ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 15:15:19

99% Occupied Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.750
	5200	16.750
	5240	16.750
802.11ac20	5180	17.750
	5200	17.750
	5240	17.750
802.11ac40	5190	36.500
	5230	36.600
802.11ac80	5210	75.800

Note:
The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5250-5350MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5260	16.750
	5300	16.800
	5320	16.750
802.11ac20	5260	17.750
	5300	17.750
	5320	17.750
802.11ac40	5270	36.500
	5310	36.500
802.11ac80	5290	75.600

5725-5850MHz

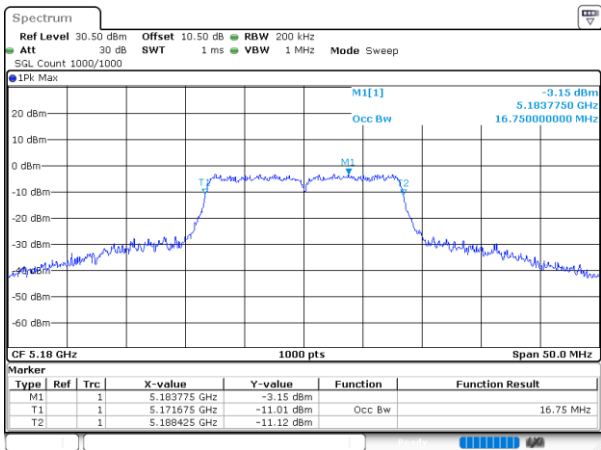
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.750
	5785	16.750
	5825	16.700
802.11ac20	5745	17.750
	5785	17.750

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11ac20	5825	17.750
802.11ac40	5755	36.500
	5795	36.500
802.11ac80	5775	75.600

Note:
The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

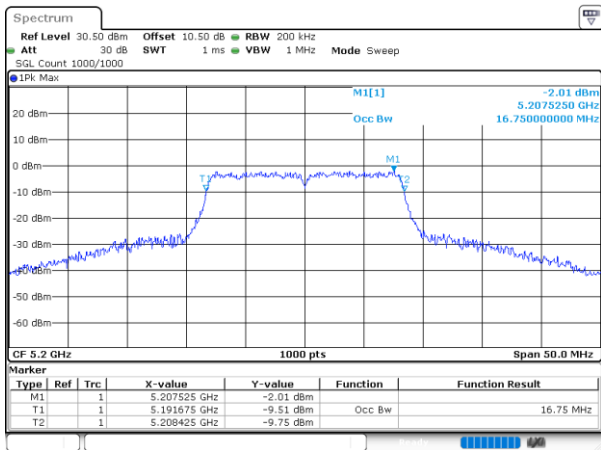
5150-5250MHz

802.11a_5180MHz



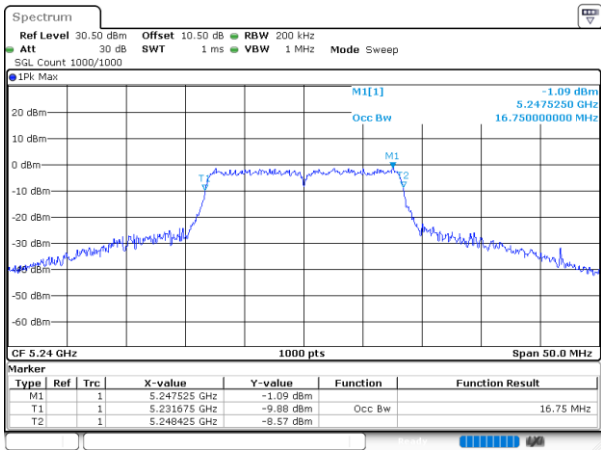
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Date: 23.MAY.2025 14:05:23

802.11a_5200MHz



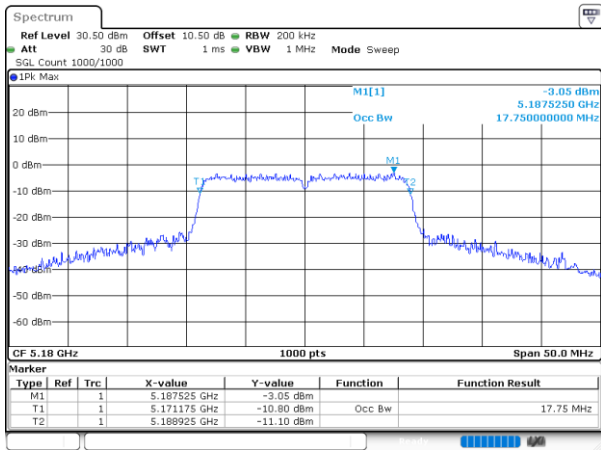
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Date: 23.MAY.2025 14:06:30

802.11a_5240MHz



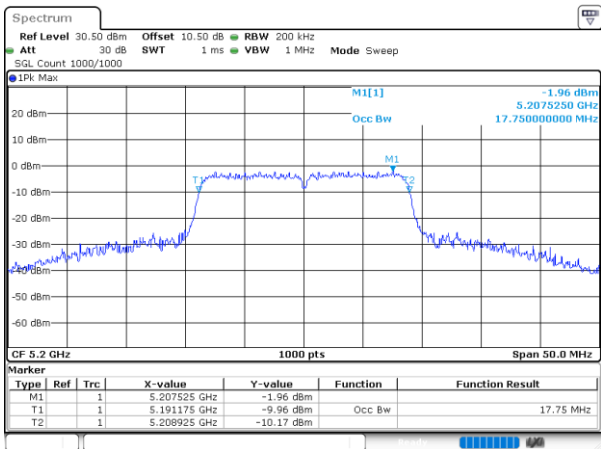
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Date: 23.MAY.2025 14:07:50

802.11ac20_5180MHz



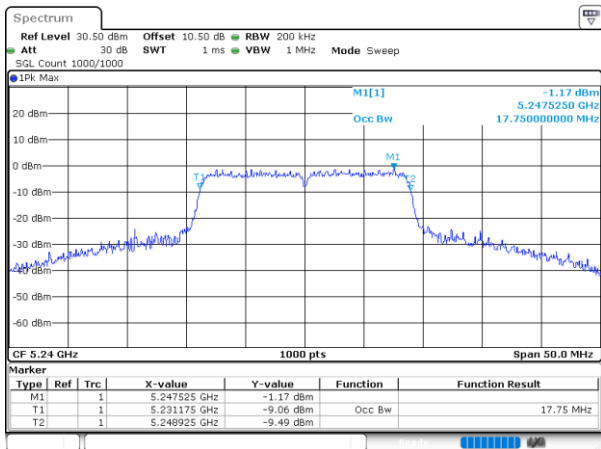
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802.11ac20_5200MHz



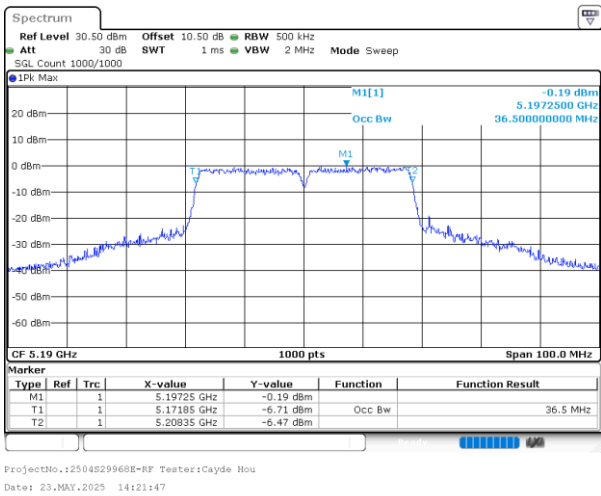
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Date: 23.MAY.2025 14:19:11

802.11ac20_5240MHz

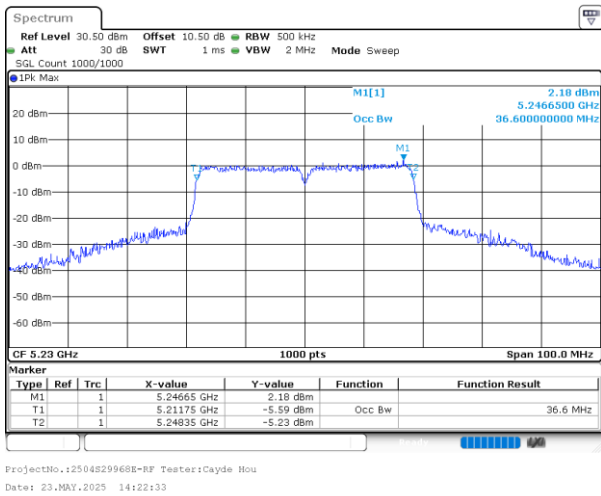


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Date: 23.MAY.2025 14:20:29

802.11ac40_5190MHz

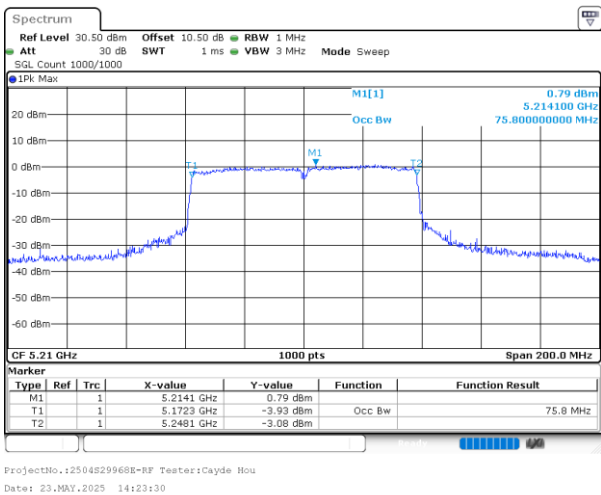


802.11ac40_5230MHz

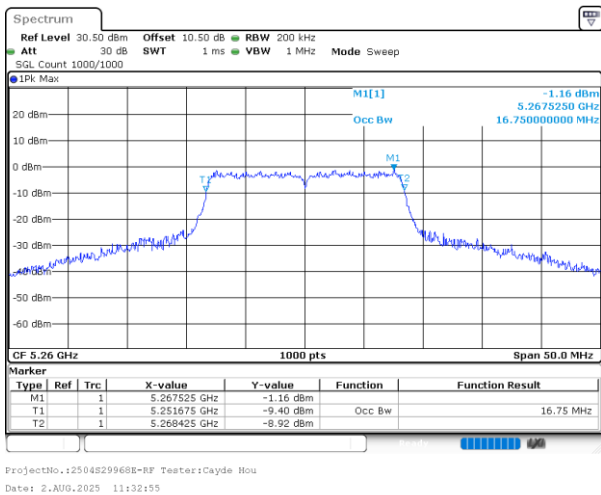


5250-5350MHz

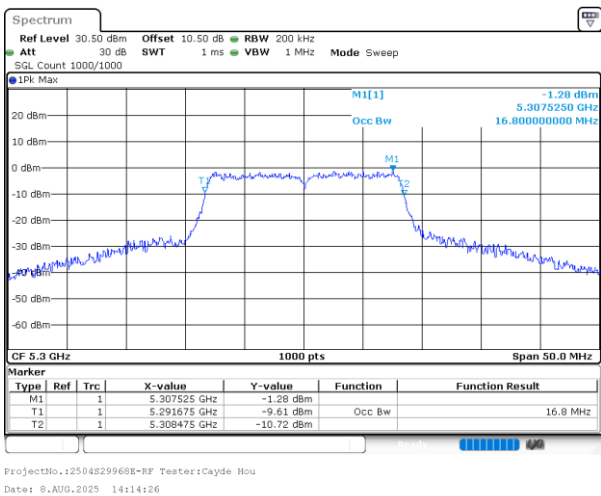
802.11ac80_5210MHz



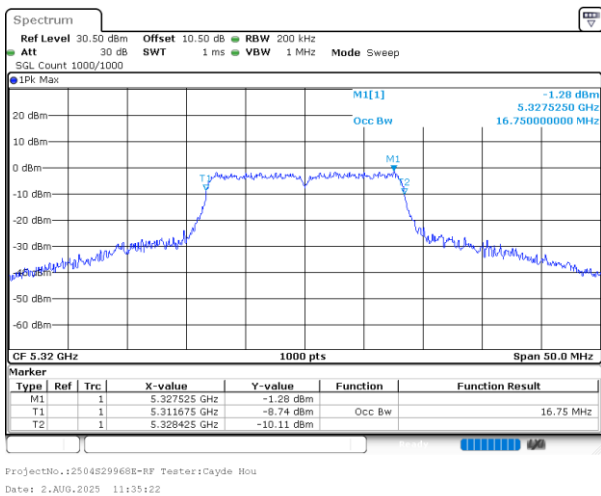
802.11a_5260MHz



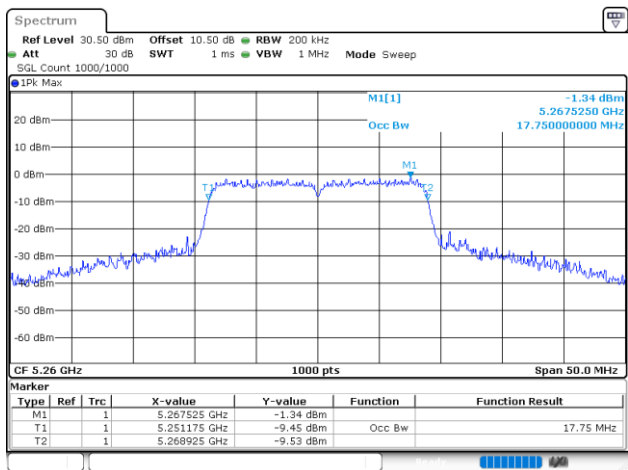
802.11a_5300MHz



802.11a_5320MHz

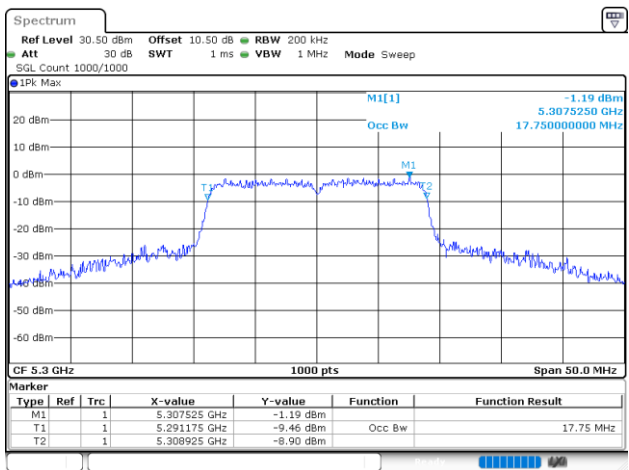


802.11ac20_5260MHz



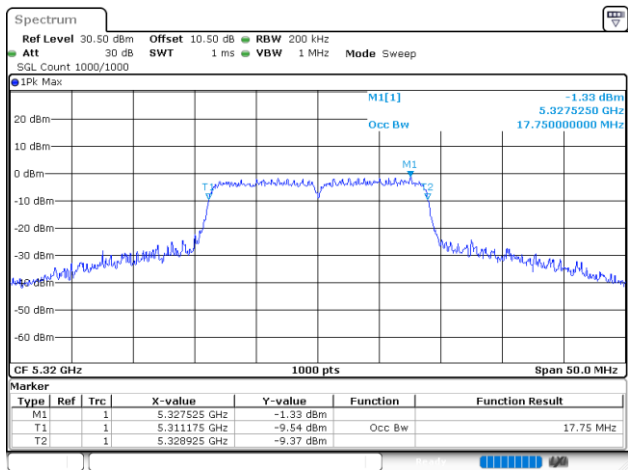
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Date: 2.AUG.2025 11:36:33

802.11ac20_5300MHz



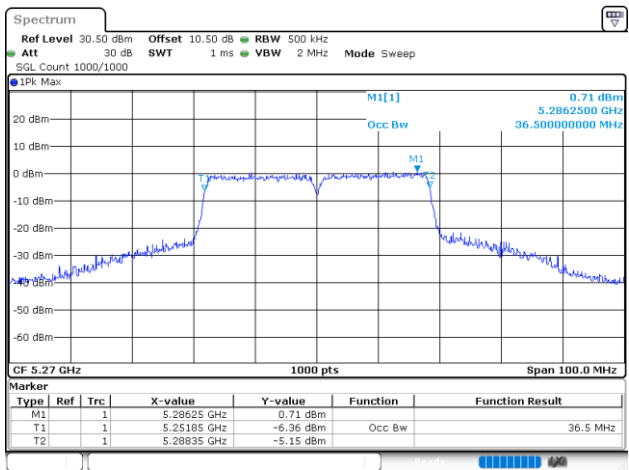
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Date: 8.AUG.2025 14:15:19

802.11ac20_5320MHz



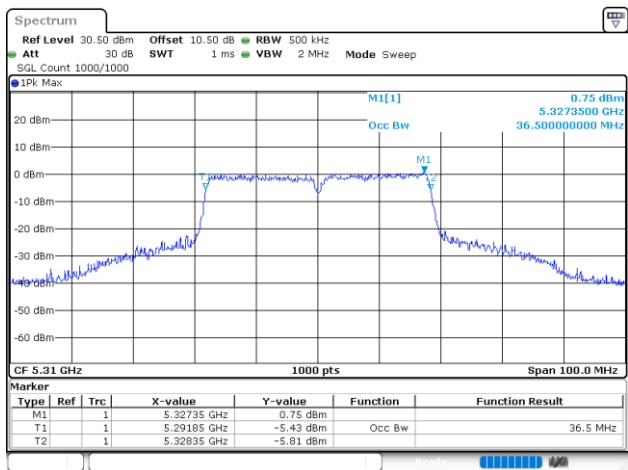
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Date: 2.AUG.2025 11:38:54

802.11ac40_5270MHz



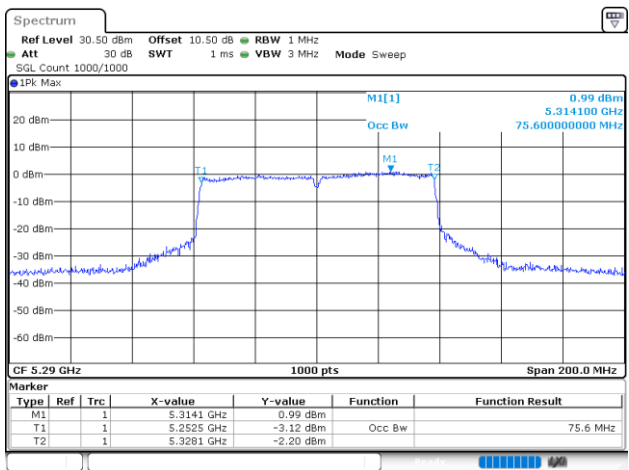
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Date: 2.AUG.2025 11:39:55

802.11ac40_5310MHz



ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 2.AUG.2025 11:40:50

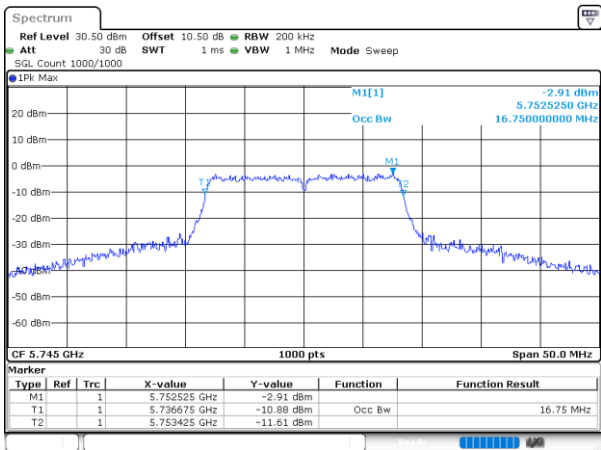
802.11ac80_5290MHz



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Date: 2.AUG.2025 11:41:52

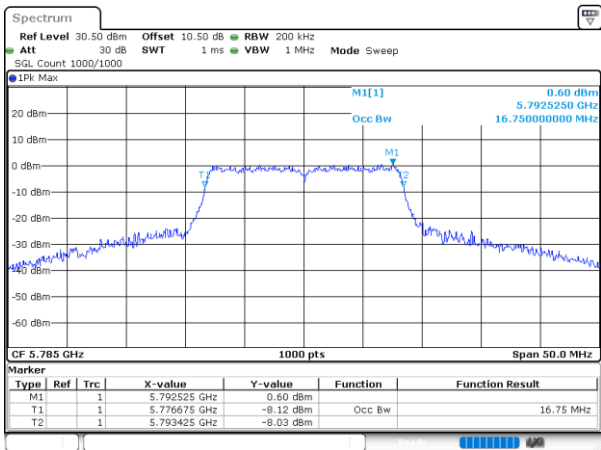
5725-5850MHz

802.11a_5745MHz



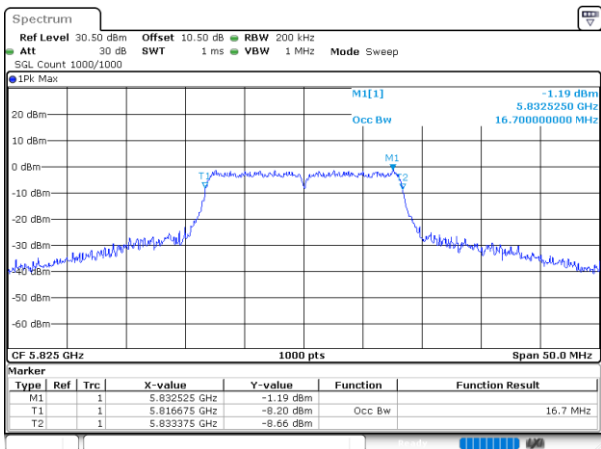
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Date: 23.MAY.2025 14:47:32

802.11a_5785MHz



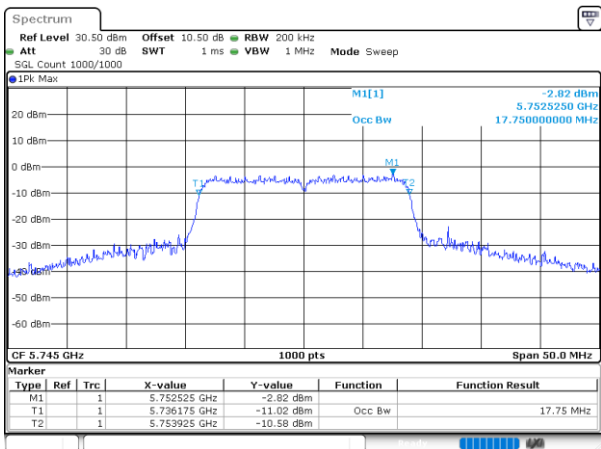
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Date: 23.MAY.2025 14:51:24

802.11a_5825MHz



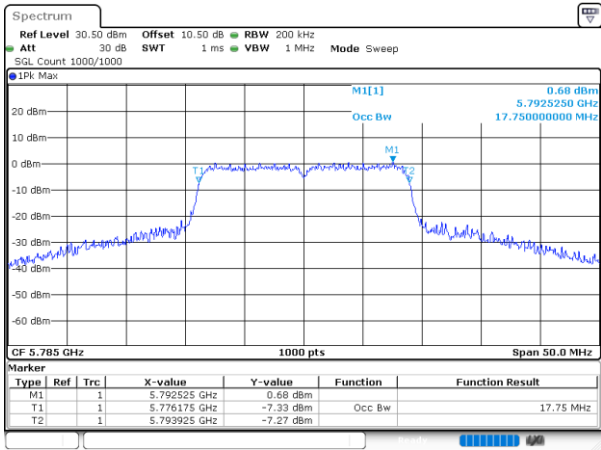
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Date: 23.MAY.2025 14:54:19

802.11ac20_5745MHz



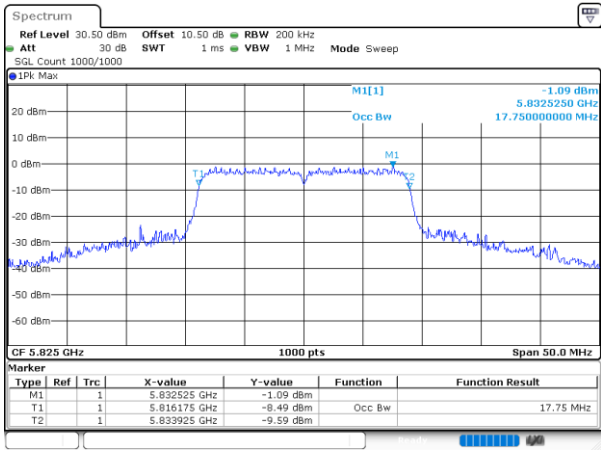
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Date: 23.MAY.2025 15:09:14

802.11ac20_5785MHz



ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 15:10:30

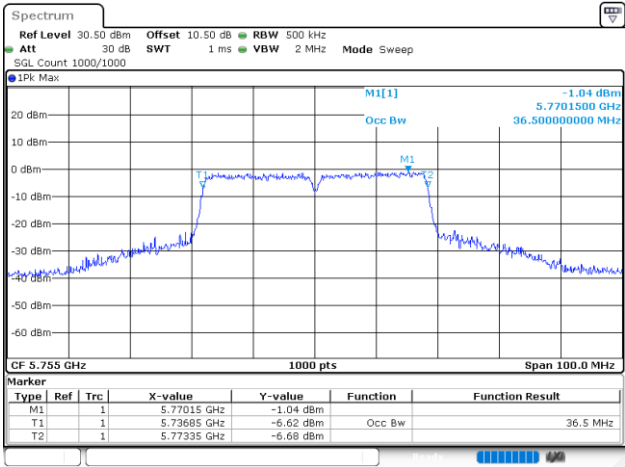
802.11ac20_5825MHz



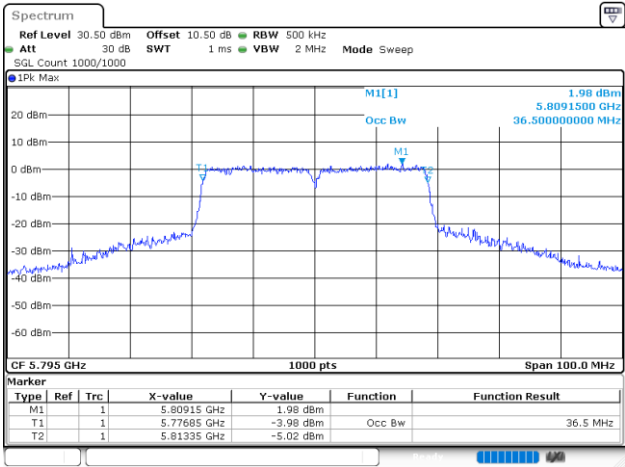
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Date: 23.MAY.2025 15:12:23

802.11ac40_5755MHz

802.11ac40_5795MHz

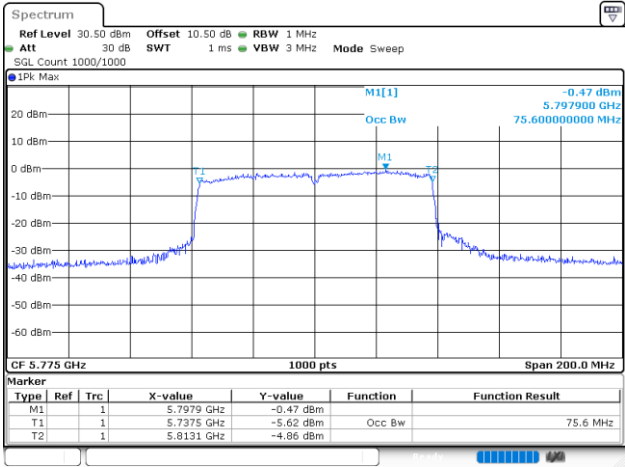


ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 15:13:12



ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 15:14:18

802.11ac80_5775MHz



ProjectNo.:2504S29968E-RF Tester:Cayde Hou
Date: 23.MAY.2025 15:15:08

Maximum Conducted Output Power

5150-5250MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	7.29	24	Pass
	5200	8.47	24	Pass
	5240	9.08	24	Pass
802.11ac20	5180	7.18	24	Pass
	5200	8.37	24	Pass
	5240	9.06	24	Pass
802.11ac40	5190	8.4	24	Pass
	5230	9.48	24	Pass
802.11ac80	5210	9.27	24	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5260	8.78	24	Pass
	5300	8.82	24	Pass
	5320	8.71	24	Pass
802.11ac20	5260	8.52	24	Pass
	5300	8.88	24	Pass
	5320	8.89	24	Pass
802.11ac40	5270	9.07	24	Pass
	5310	9.1	24	Pass
802.11ac80	5290	9.28	24	Pass

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	7.16	30	Pass
	5785	10.64	30	Pass
	5825	8.97	30	Pass
802.11ac20	5745	7.26	30	Pass
	5785	10.64	30	Pass
	5825	9.09	30	Pass
802.11ac40	5755	7.97	30	Pass

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11ac40	5795	10.28	30	Pass
802.11ac80	5775	8.23	30	Pass

Power Spectral Density**5150-5250MHz**

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5180	-4.18	0.45	-3.73	11	Pass
	5200	-3.22	0.45	-2.77	11	Pass
	5240	-2.36	0.45	-1.91	11	Pass
802.11ac20	5180	-4.62	0.55	-4.07	11	Pass
	5200	-3.09	0.55	-2.54	11	Pass
	5240	-2.37	0.55	-1.82	11	Pass
802.11ac40	5190	-6.11	0.97	-5.14	11	Pass
	5230	-5.07	0.97	-4.10	11	Pass
802.11ac80	5210	-9.55	1.76	-7.79	11	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5260	-2.56	0.47	-2.09	11	Pass
	5300	-2.51	0.47	-2.04	11	Pass
	5320	-2.58	0.47	-2.11	11	Pass
802.11ac20	5260	-2.88	0.54	-2.34	11	Pass
	5300	-2.75	0.54	-2.21	11	Pass
	5320	-3.06	0.54	-2.52	11	Pass
802.11ac40	5270	-5.81	0.96	-4.85	11	Pass
	5310	-5.23	0.96	-4.27	11	Pass
802.11ac80	5290	-9.01	1.76	-7.25	11	Pass

5725-5850MHz

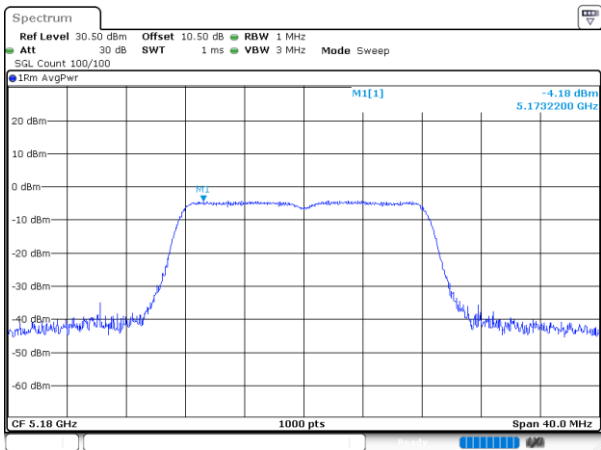
Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	-7.04	0.44	-6.6	30	Pass
	5785	-3.92	0.44	-3.48	30	Pass
	5825	-5.35	0.44	-4.91	30	Pass
802.11ac20	5745	-7.56	0.52	-7.04	30	Pass
	5785	-3.91	0.52	-3.39	30	Pass
	5825	-5.58	0.52	-5.06	30	Pass
802.11ac40	5755	-10.00	0.97	-9.03	30	Pass

Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11ac40	5795	-7.44	0.97	-6.47	30	Pass
802.11ac80	5775	-12.62	1.76	-10.86	30	Pass

Result = Reading + Duty Cycle Factor

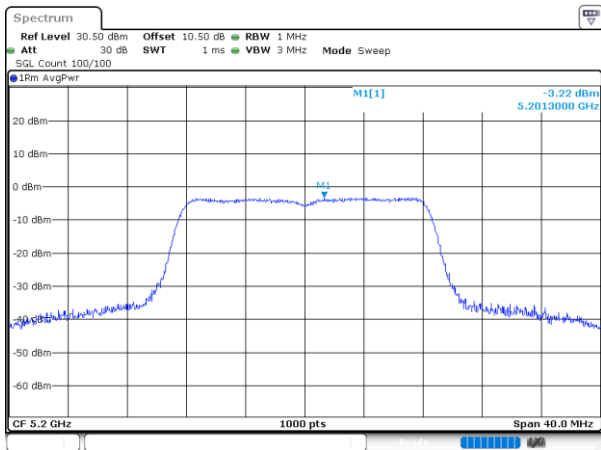
5150-5250MHz

802.11a_5180MHz



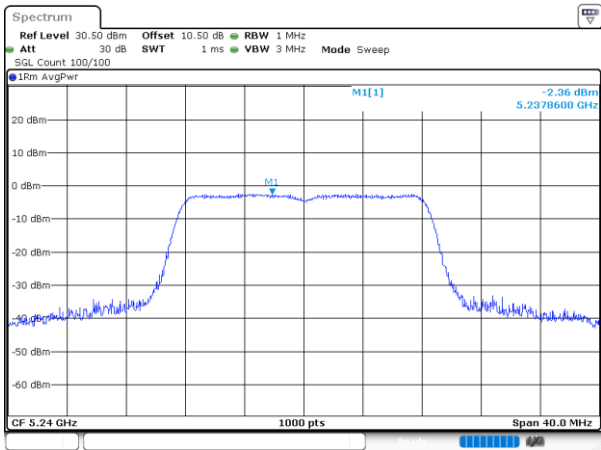
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Date: 23.MAY.2025 14:05:58

802.11a_5200MHz



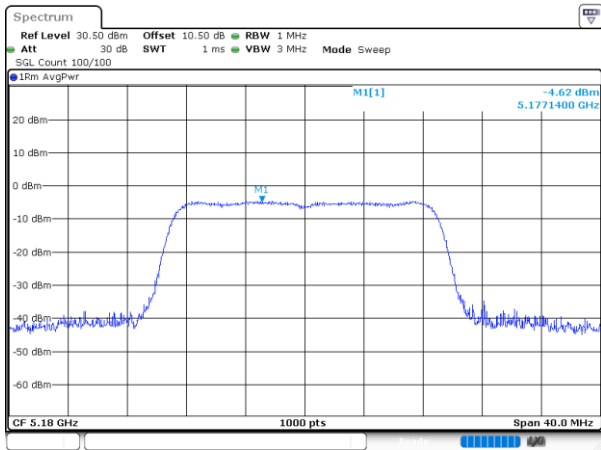
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802.11a_5240MHz



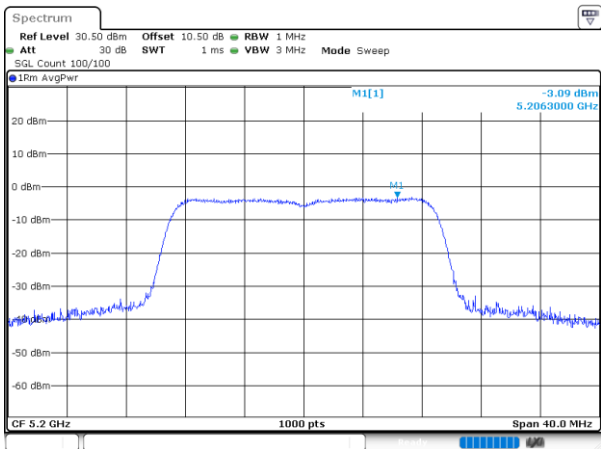
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802.11ac20_5180MHz



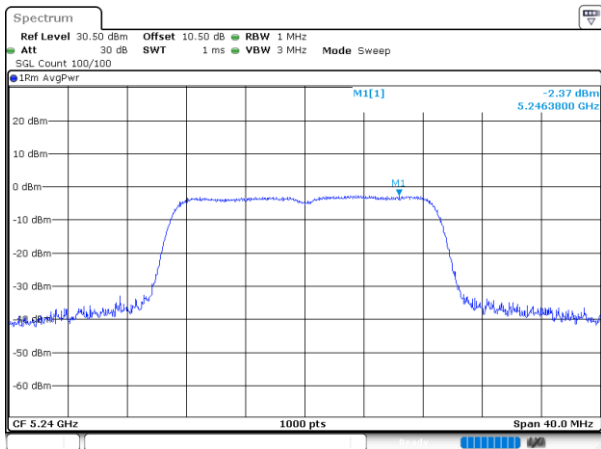
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802.11ac20_5200MHz



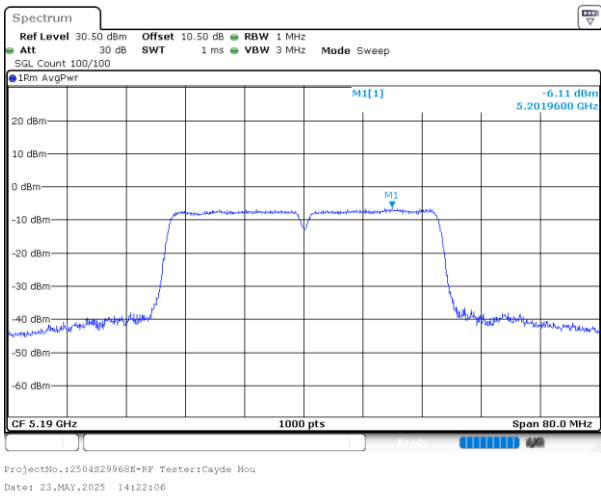
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802.11ac20_5240MHz

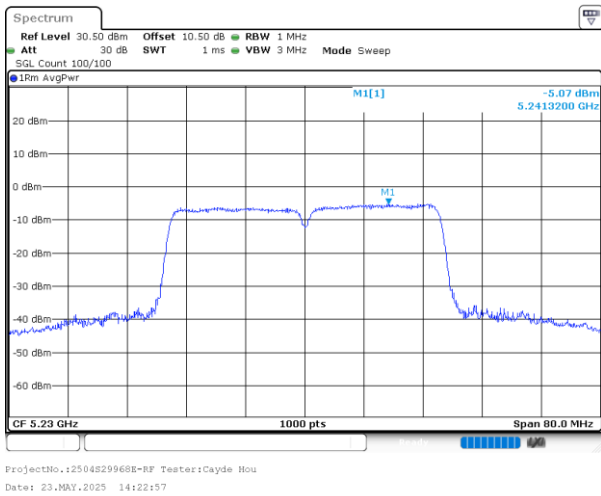


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Date: 23.MAY.2025 14:21:06

802.11ac40_5190MHz

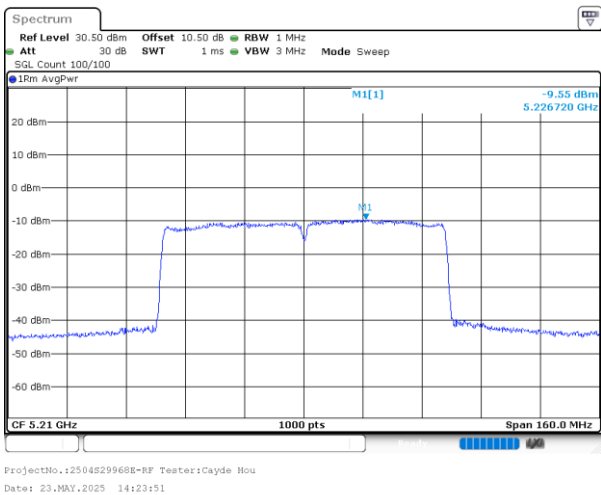


802.11ac40_5230MHz

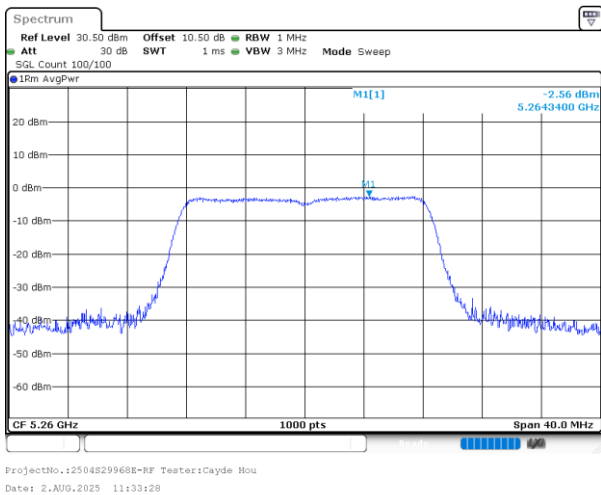


5250-5350MHz

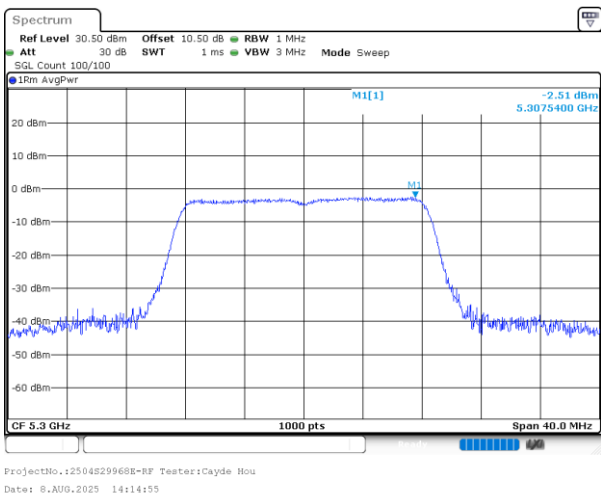
802.11ac80_5210MHz



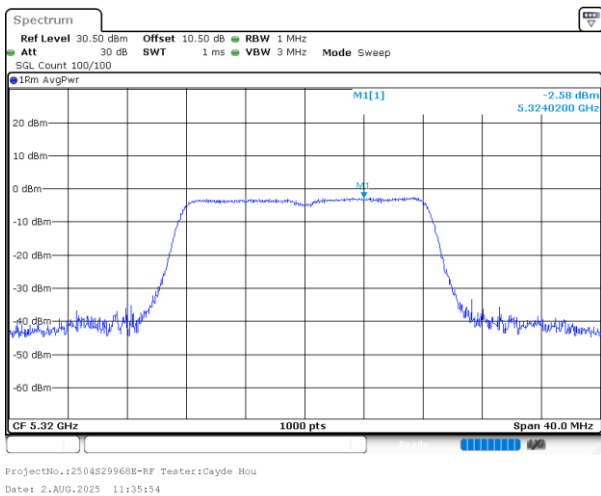
802.11a_5260MHz



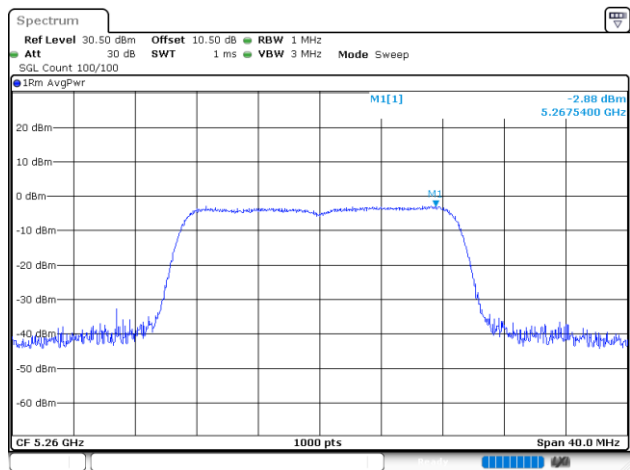
802.11a_5300MHz



802.11a_5320MHz

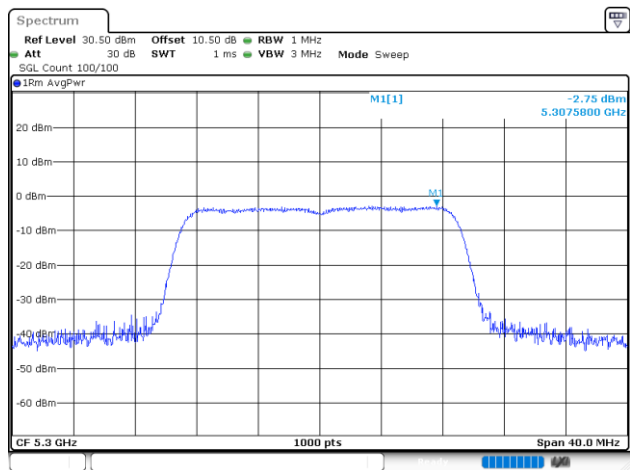


802.11ac20_5260MHz



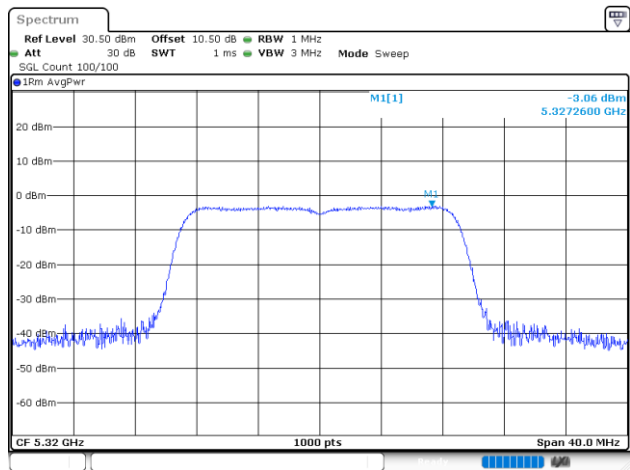
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802.11ac20_5300MHz



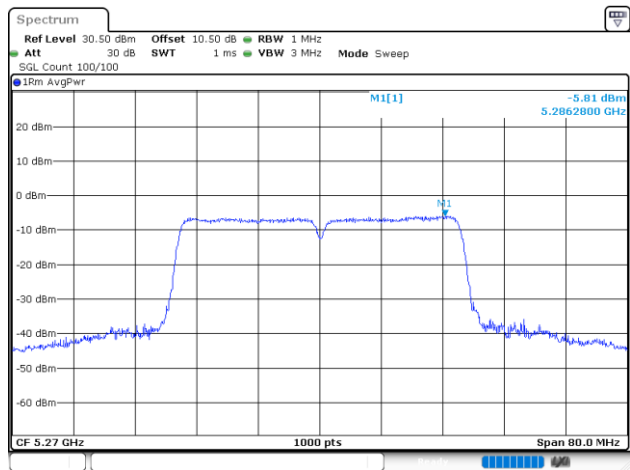
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802.11ac20_5320MHz



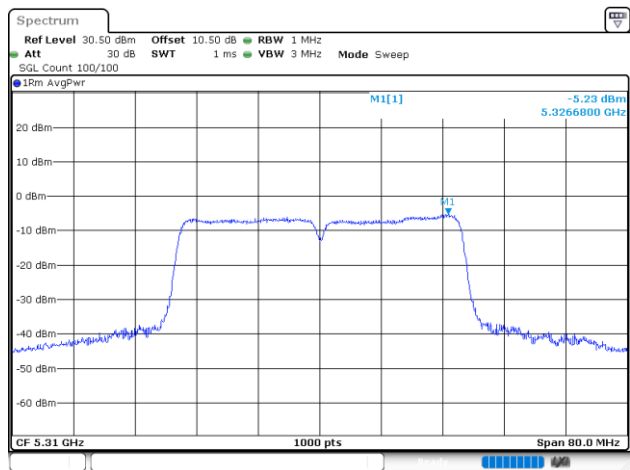
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802.11ac40_5270MHz



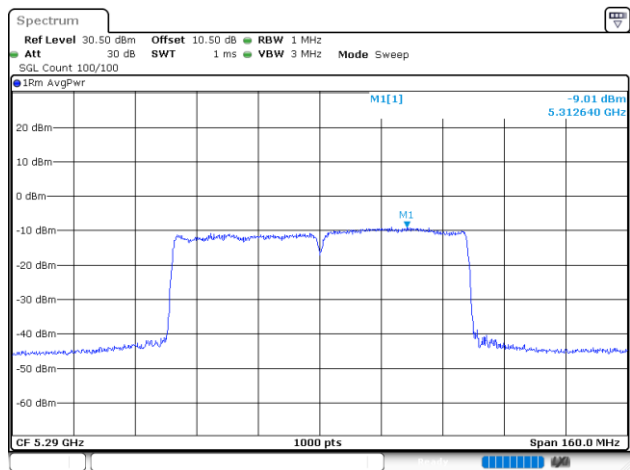
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802.11ac40_5310MHz



ProjectNo.:2504S29968E-RF Tester:Cayde Hou
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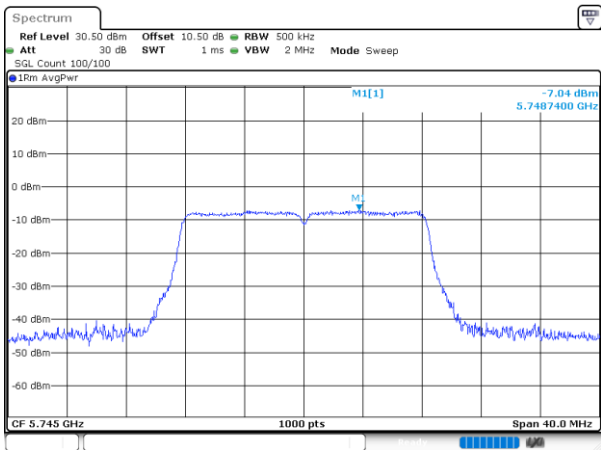
802.11ac80_5290MHz



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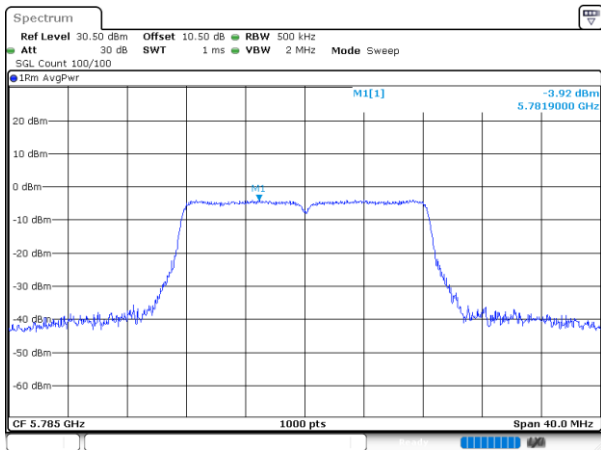
5725-5850MHz

802.11a_5745MHz



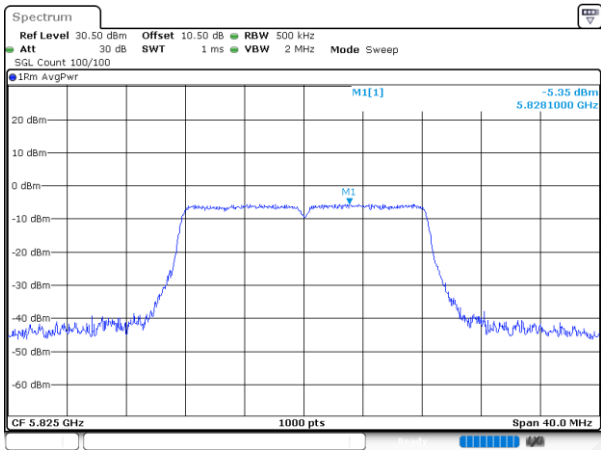
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Date: 23.MAY.2025 14:48:03

802.11a_5785MHz



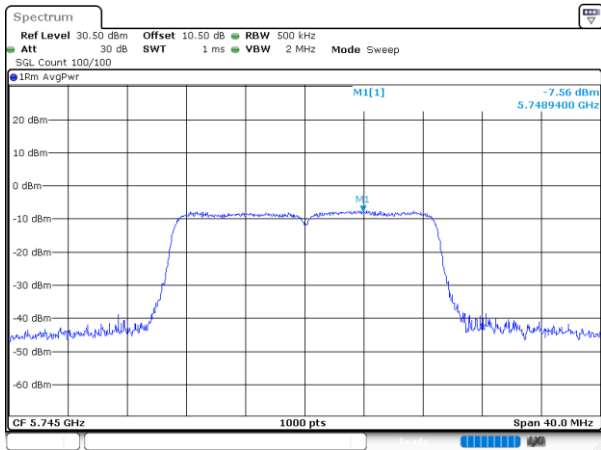
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802.11a_5825MHz



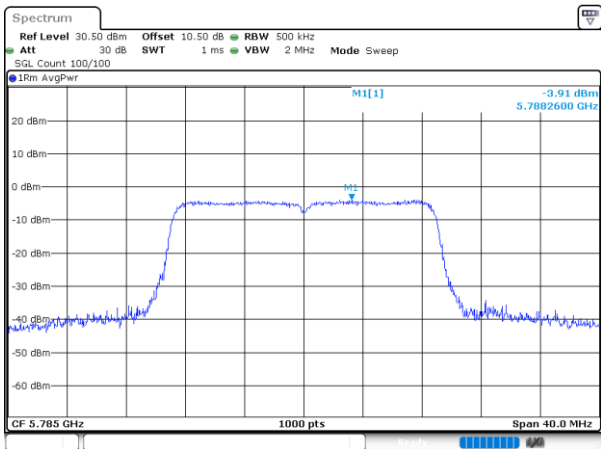
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802.11ac20_5745MHz



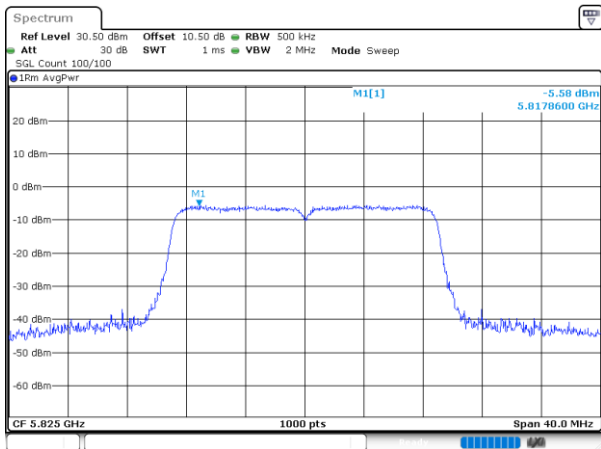
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802.11ac20_5785MHz



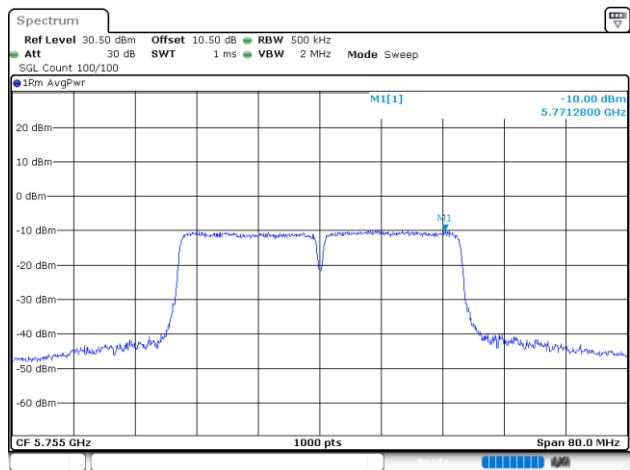
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802.11ac20_5825MHz

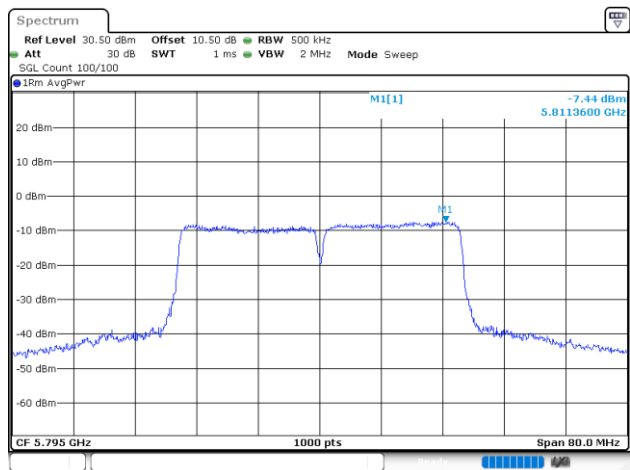


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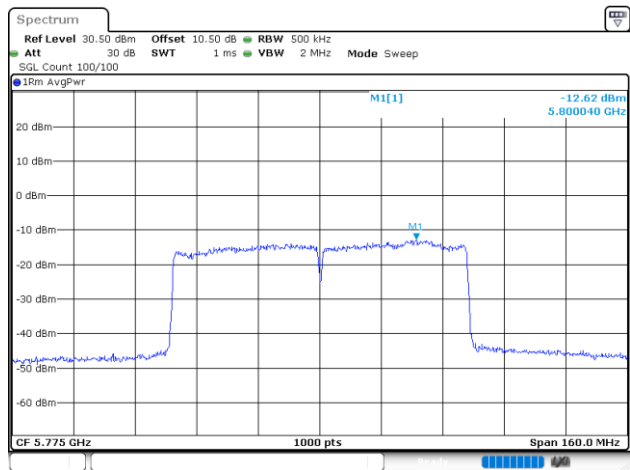
802.11ac40_5755MHz



802.11ac40_5795MHz



802.11ac80_5775MHz



Duty Cycle

5150-5250MHz

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.353	1.499	90.26	0.45	739	1
802.11ac20	5200	1.144	1.297	88.20	0.55	874	1
802.11ac40	5190	0.579	0.724	79.97	0.97	1727	2
802.11ac80	5210	0.288	0.432	66.67	1.76	3472	5

5250-5350MHz

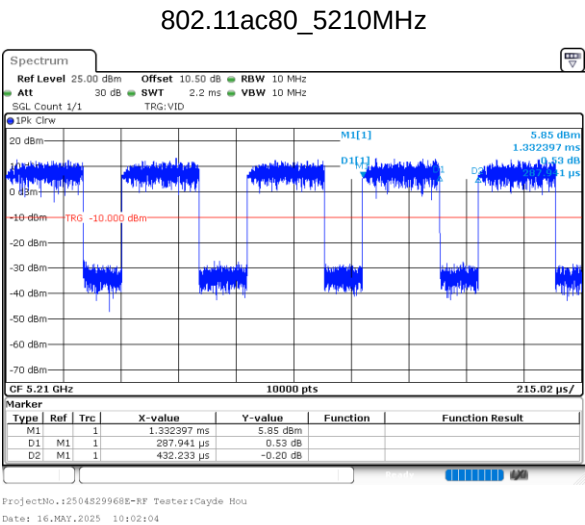
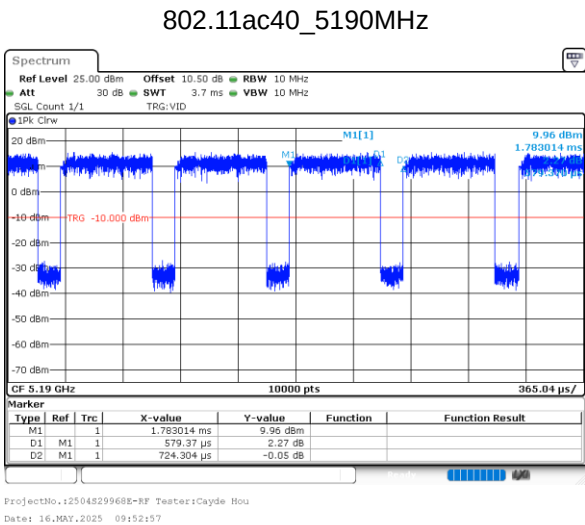
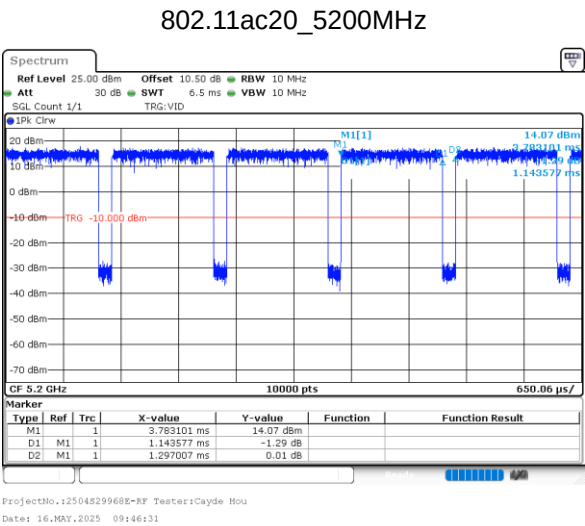
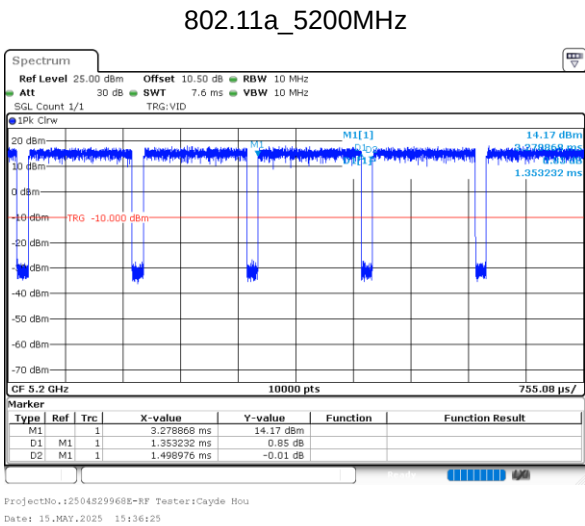
Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5300	1.349	1.502	89.81	0.47	741	1
802.11ac20	5300	1.144	1.296	88.27	0.54	874	1
802.11ac40	5270	0.580	0.724	80.11	0.96	1724	2
802.11ac80	5290	0.288	0.432	66.67	1.76	3472	5

5725-5850MHz

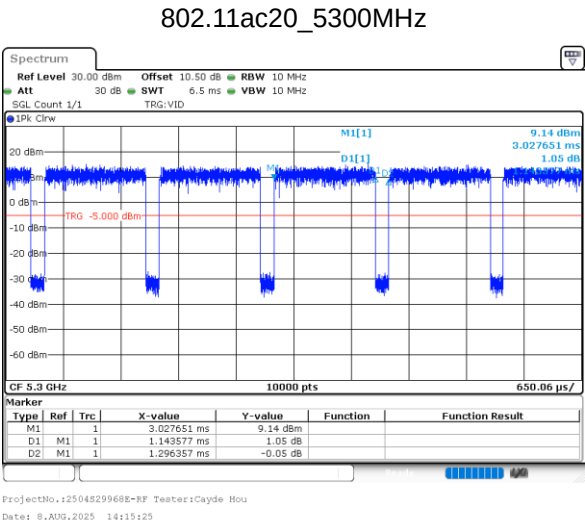
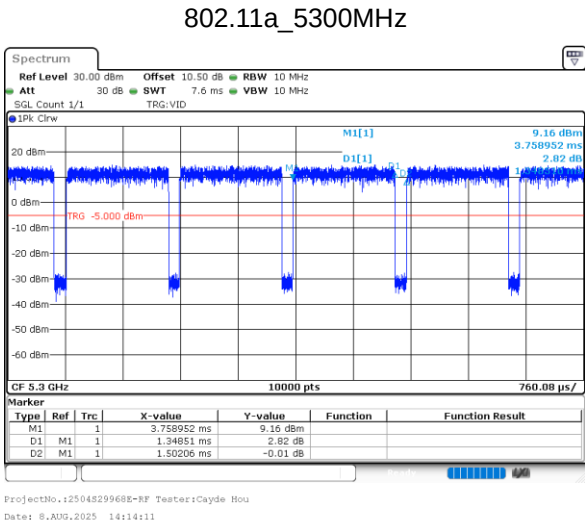
Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5785	1.354	1.499	90.33	0.44	739	1
802.11ac20	5785	1.152	1.298	88.75	0.52	868	1
802.11ac40	5755	0.567	0.709	79.97	0.97	1764	2
802.11ac80	5775	0.288	0.432	66.67	1.76	3472	5

Duty Cycle = Ton/(Ton+Toff)*100%

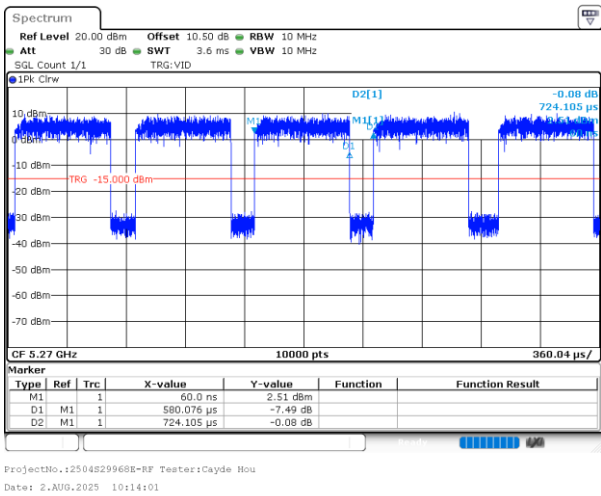
5150-5250MHz



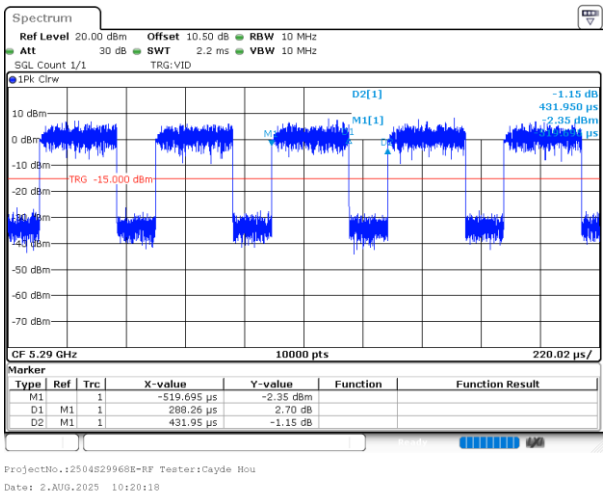
5250-5350MHz



802.11ac40_5270MHz

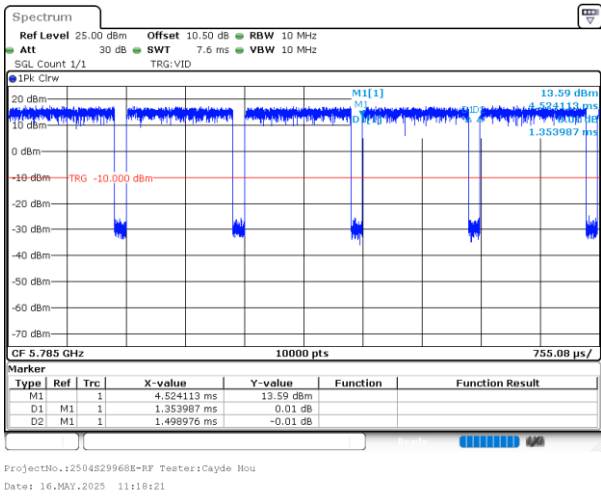


802.11ac80_5290MHz

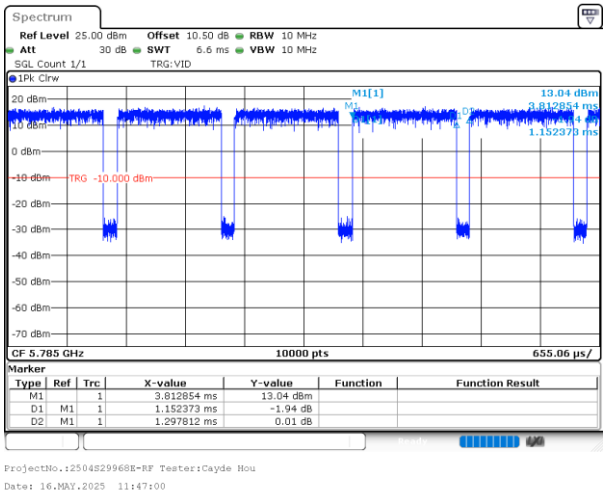


5725-5850MHz

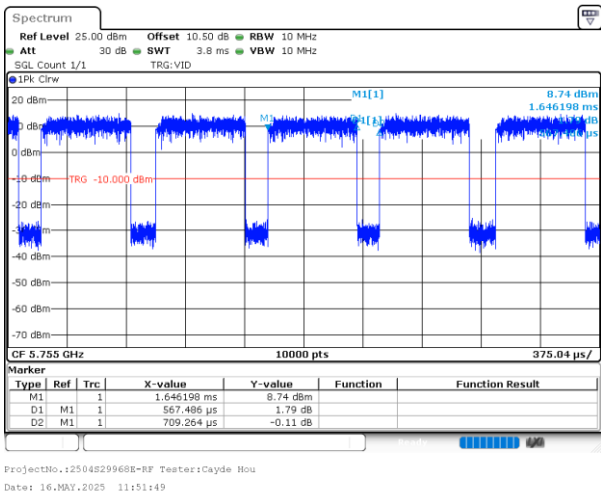
802.11a_5785MHz



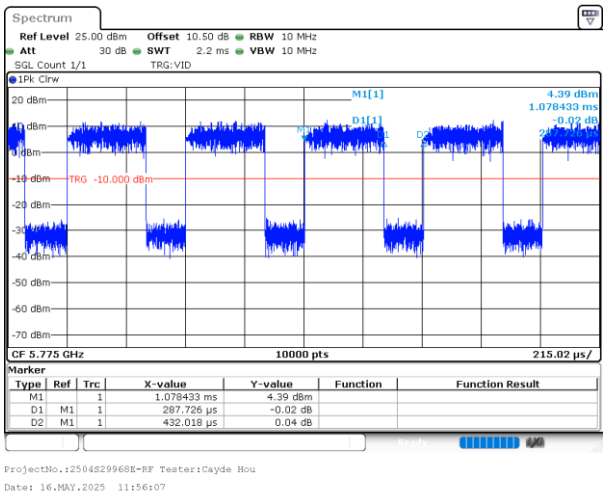
802.11ac20_5785MHz



802.11ac40_5755MHz



802.11ac80_5775MHz



***** END *****