

Appendix A1: Module YL43752

Test Information:

Sample No.:	2YH7-1	Test Date:	2025/02/22~2025/05/09
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cheeb Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.1-24.5	Relative Humidity: (%)	39-42	ATM Pressure: (kPa)	101.5-101.7
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Emission Bandwidth

26dB Emission Bandwidth

5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	Result (MHz)
802.11a	Chain 0	5180	21.105
		5200	21.104
		5240	21.259
	Chain 1	5180	21.104
		5200	21.207
		5240	21.256
802.11ac20	Chain 0	5180	21.348
		5200	21.406
		5240	21.408
	Chain 1	5180	21.565
		5200	21.406
		5240	21.510
802.11ac40	Chain 0	5190	44.344
		5230	40.941
	Chain 1	5190	40.841
		5230	43.443
802.11ac80	Chain 0	5210	88.889
	Chain 1	5210	83.483
802.11ax20_RU_Full	Chain 0	5180	21.716
		5200	22.883
		5240	27.037
	Chain 1	5180	21.968
		5200	21.756
		5240	23.387
802.11ax40_RU_Full	Chain 0	5190	40.741
		5230	40.641
	Chain 1	5190	40.541
		5230	40.541
802.11ax80_RU_Full	Chain 0	5210	81.882
	Chain 1	5210	81.481

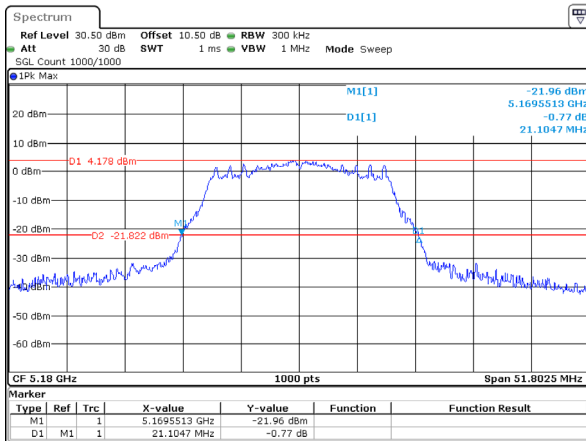
6dB Emission Bandwidth

5725-5850MHz

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	Chain 0	5745	15.265	0.5	Pass
		5785	15.265	0.5	Pass
		5825	15.265	0.5	Pass
	Chain 1	5745	15.215	0.5	Pass
		5785	15.265	0.5	Pass
		5825	15.265	0.5	Pass
802.11ac20	Chain 0	5745	15.265	0.5	Pass
		5785	15.265	0.5	Pass
		5825	15.265	0.5	Pass
	Chain 1	5745	15.215	0.5	Pass
		5785	15.265	0.5	Pass
		5825	15.265	0.5	Pass
802.11ac40	Chain 0	5755	36.537	0.5	Pass
		5795	36.036	0.5	Pass
	Chain 1	5755	36.637	0.5	Pass
		5795	36.436	0.5	Pass
802.11ac80	Chain 0	5775	76.476	0.5	Pass
	Chain 1	5775	76.476	0.5	Pass
802.11ax20_RU_Full	Chain 0	5745	18.018	0.5	Pass
		5785	18.318	0.5	Pass
		5825	17.968	0.5	Pass
	Chain 1	5745	17.568	0.5	Pass
		5785	18.569	0.5	Pass
		5825	18.719	0.5	Pass
802.11ax40_RU_Full	Chain 0	5755	37.938	0.5	Pass
		5795	37.738	0.5	Pass
	Chain 1	5755	37.938	0.5	Pass
		5795	37.838	0.5	Pass
802.11ax80_RU_Full	Chain 0	5775	77.277	0.5	Pass
	Chain 1	5775	78.078	0.5	Pass

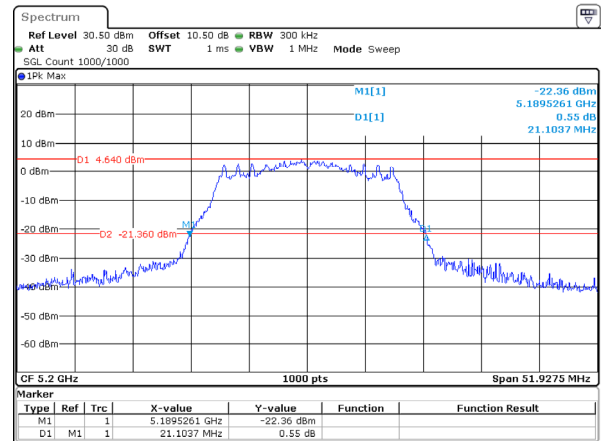
5150-5250MHz

802.11a_5180MHz_Chain 0



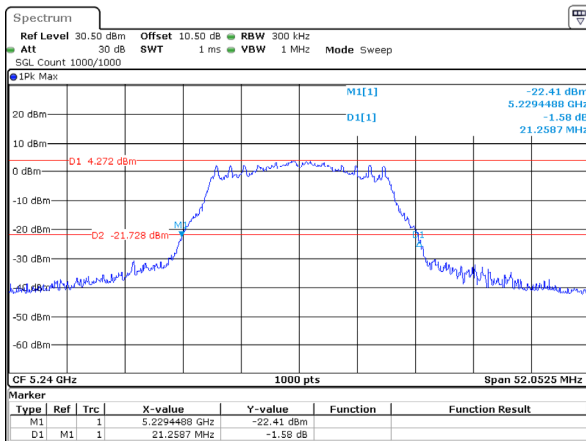
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Date: 22.FEB.2025 16:32:20

802.11a_5200MHz_Chain 0



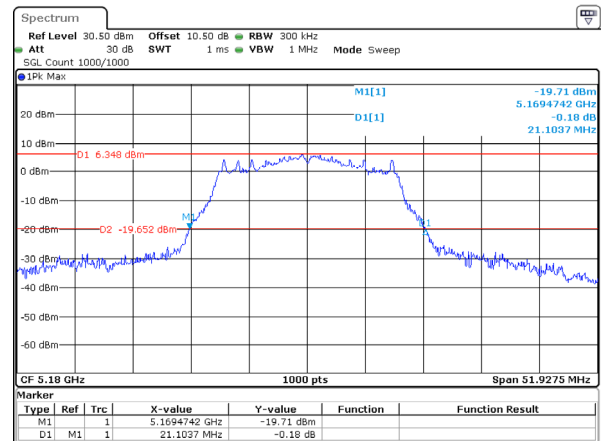
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802.11a_5240MHz_Chain 0



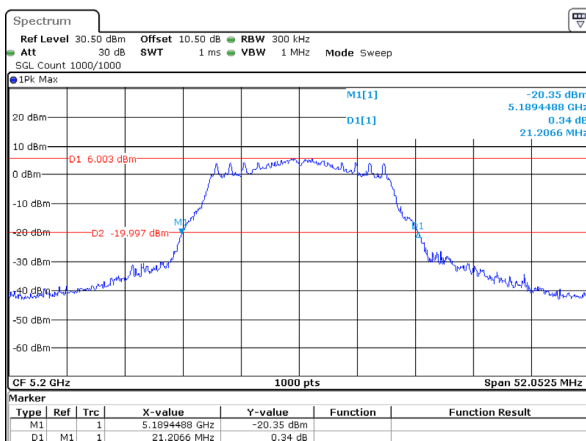
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802.11a_5180MHz_Chain 1



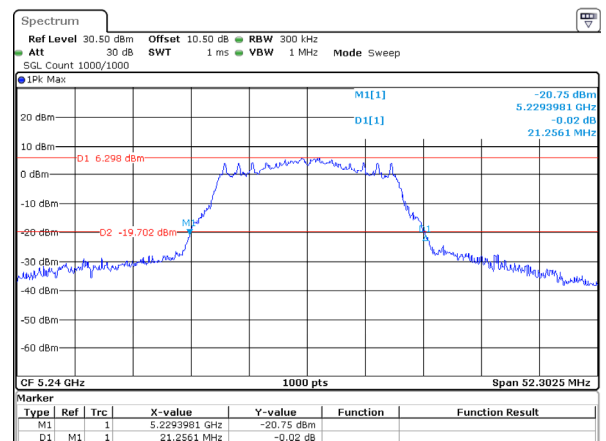
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802.11a_5200MHz_Chain 1



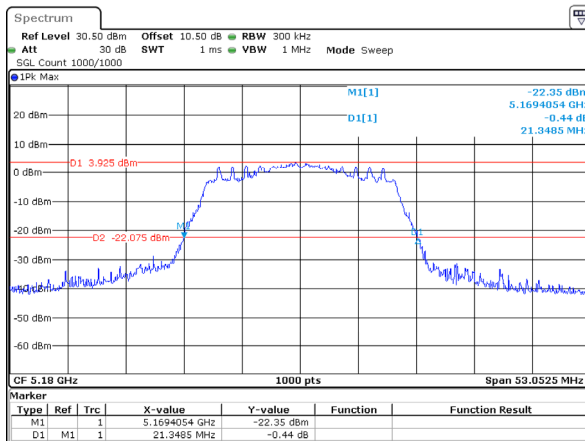
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802.11a_5240MHz_Chain 1



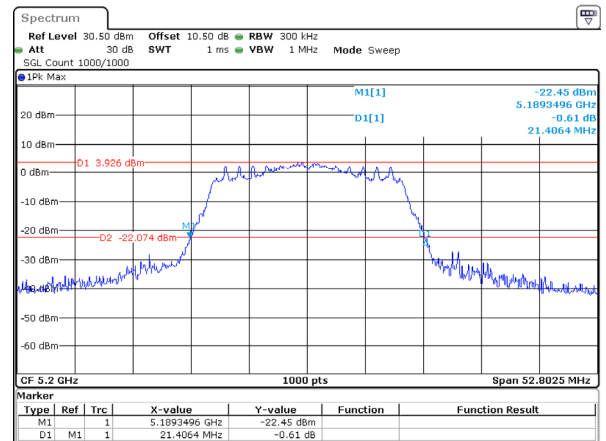
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802.11ac20_5180MHz_Chain 0



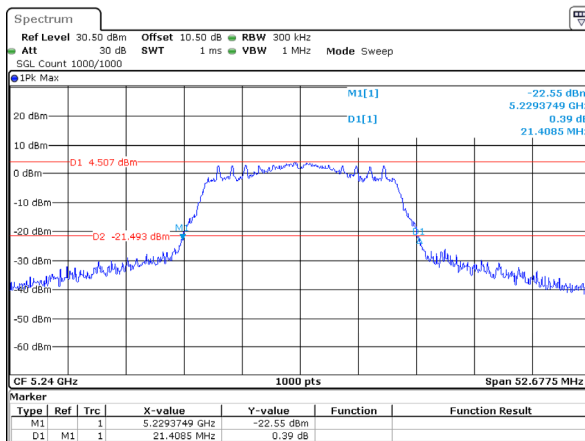
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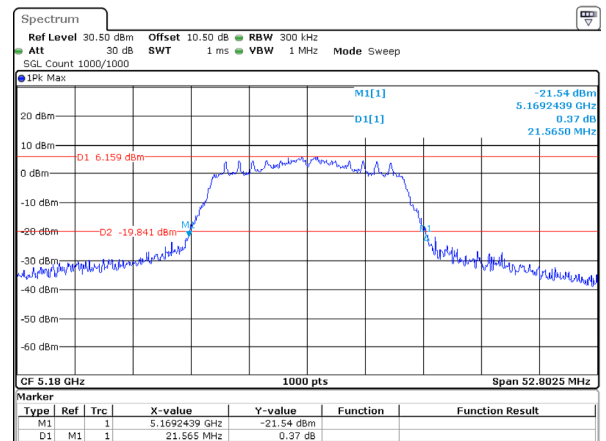
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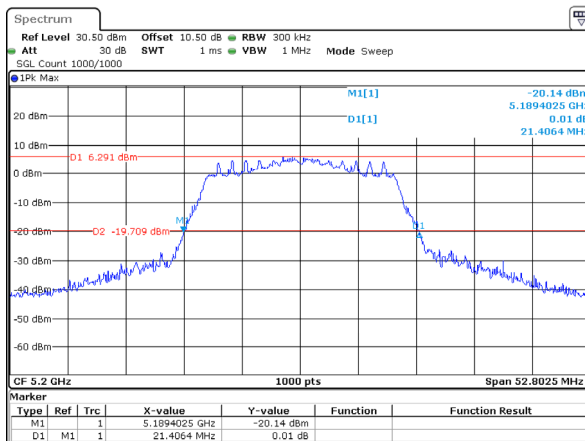
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802.11ac20_5180MHz_Chain 1



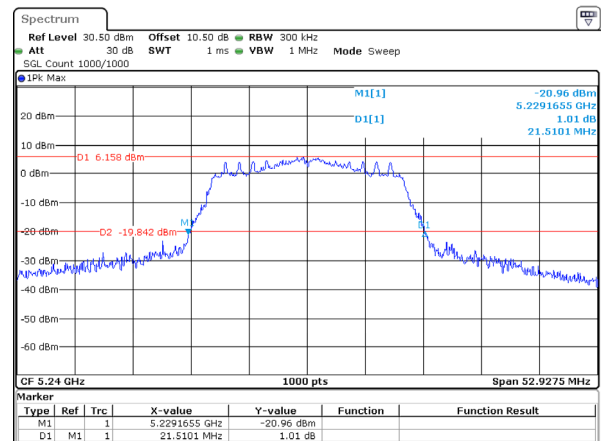
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802.11ac20_5200MHz_Chain 1



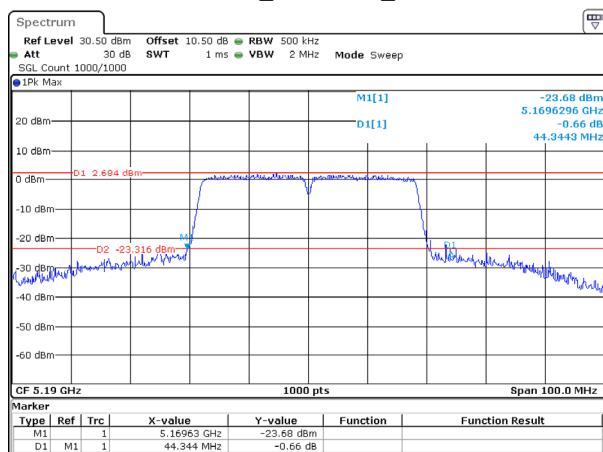
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802.11ac20_5240MHz_Chain 1



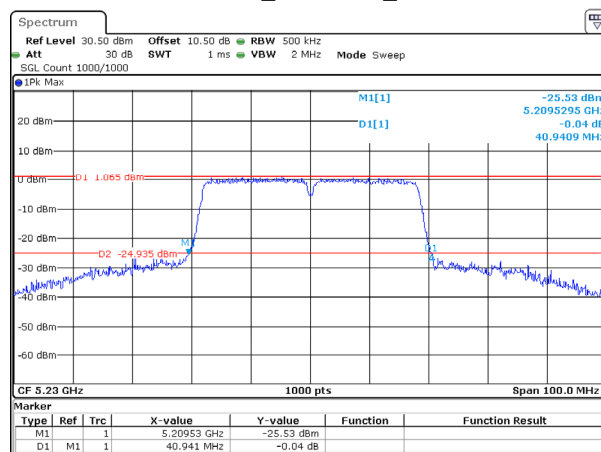
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Date: 24.FEB.2025 11:20:37

802.11ac40_5190MHz_Chain 0



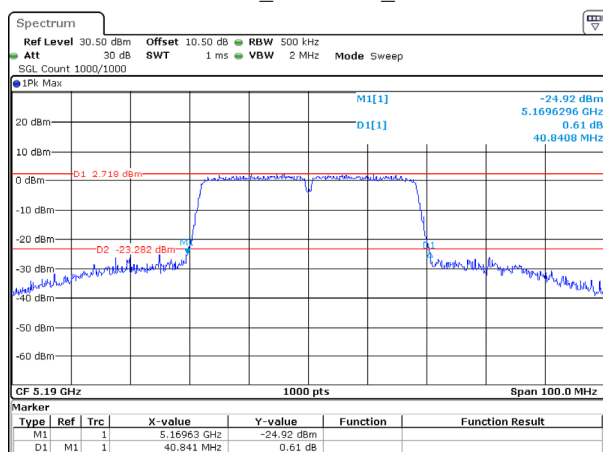
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802.11ac40_5230MHz_Chain 0



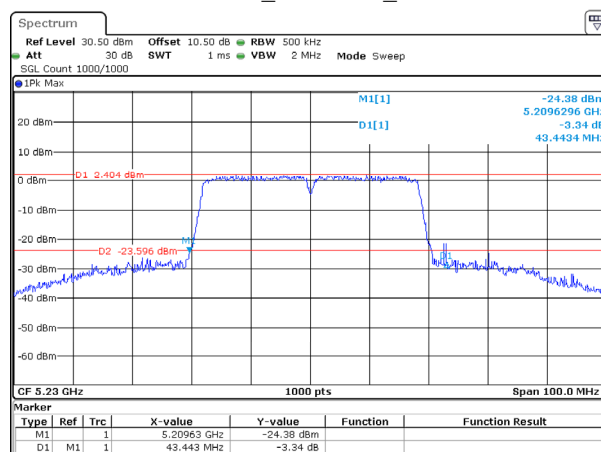
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802.11ac40_5190MHz_Chain 1



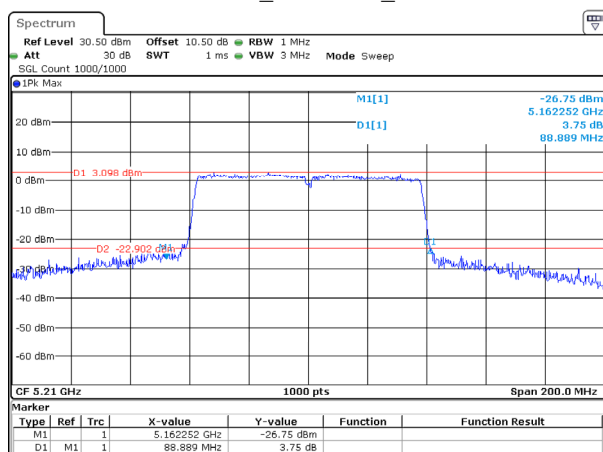
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802.11ac40_5230MHz_Chain 1



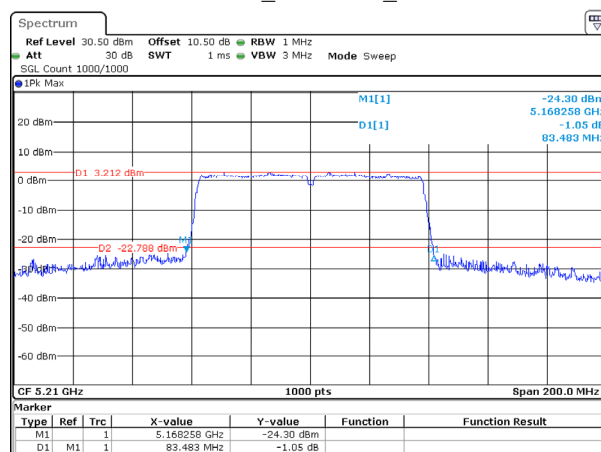
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802.11ac80_5210MHz_Chain 0



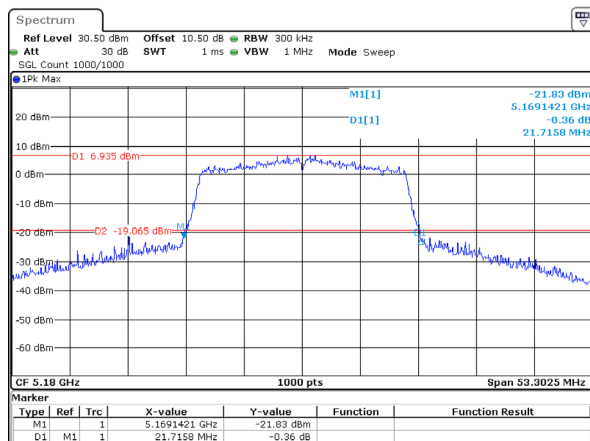
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802.11ac80_5210MHz_Chain 1



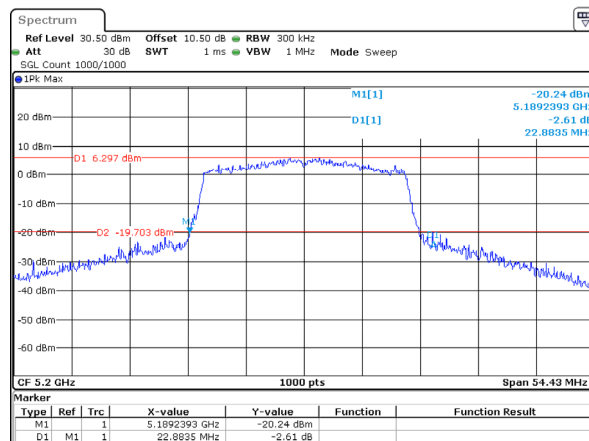
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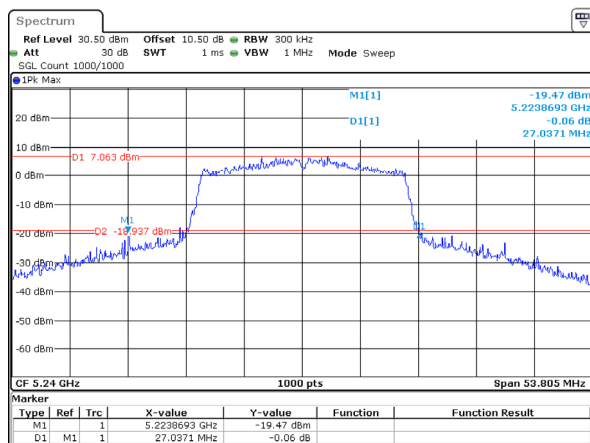
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802.11ax20_5200MHz_RU_Full_Chain 0



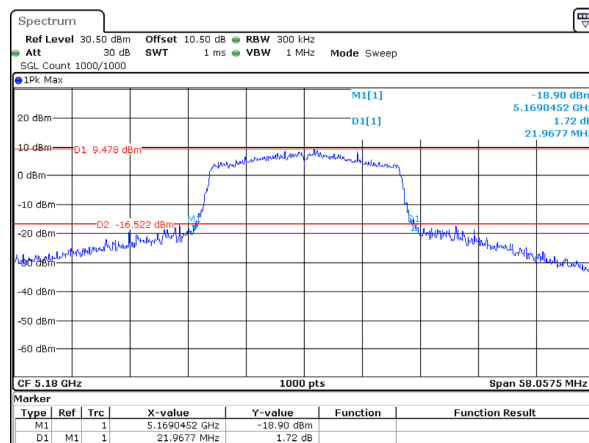
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802.11ax20_5240MHz_RU_Full_Chain 0



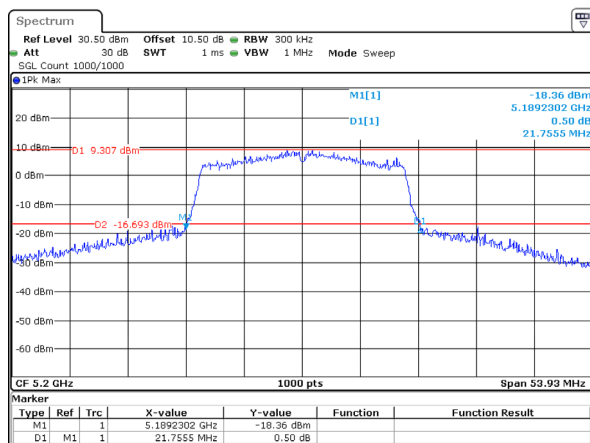
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802.11ax20_5180MHz_RU_Full_Chain 1



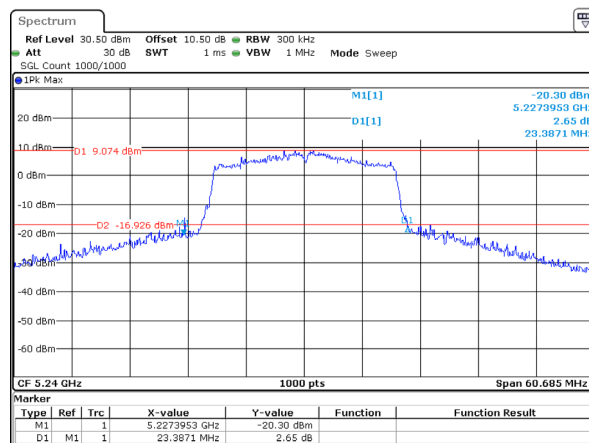
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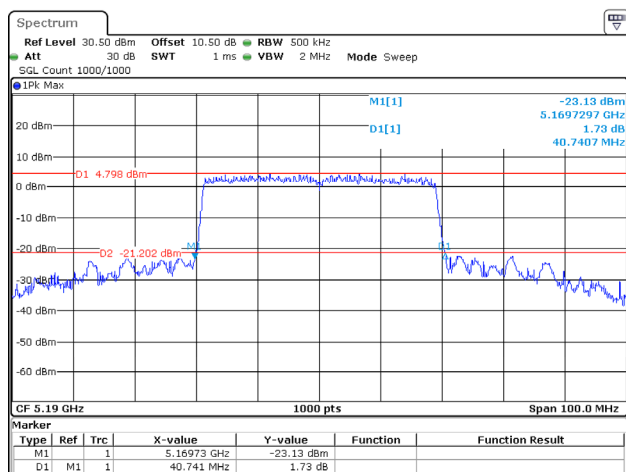
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802.11ax20_5240MHz_RU_Full_Chain 1



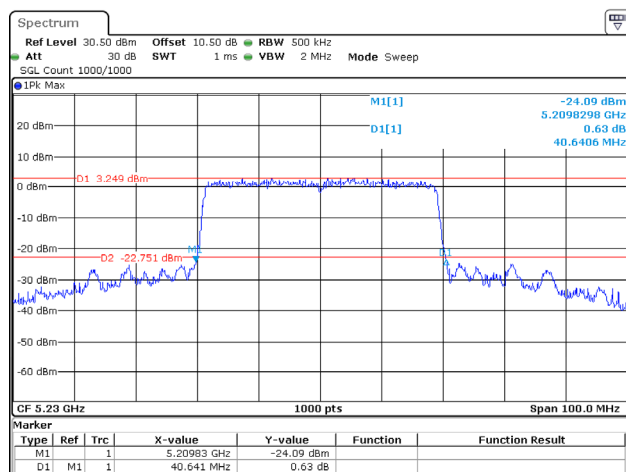
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802.11ax40_5190MHz_RU_Full_Chain 0



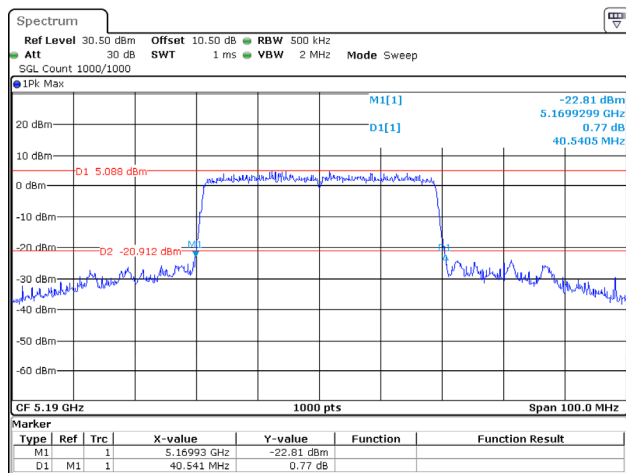
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802.11ax40_5230MHz_RU_Full_Chain 0



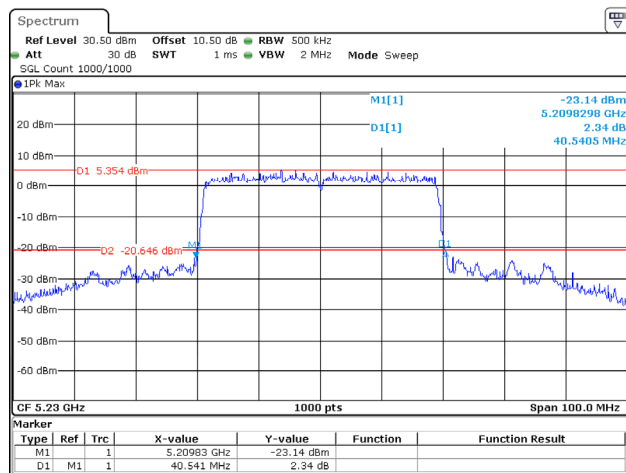
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802.11ax40_5190MHz_RU_Full_Chain 1



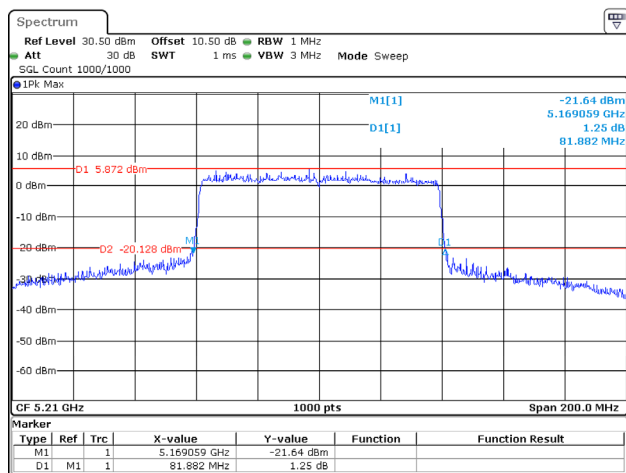
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802.11ax40_5230MHz_RU_Full_Chain 1



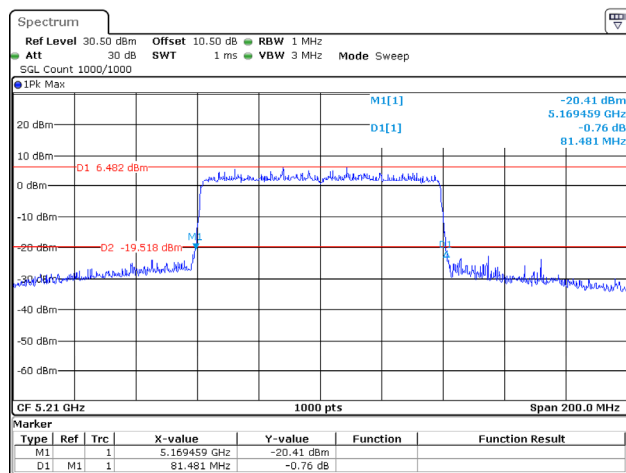
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Date: 9.MAY.2025 11:07:39

802.11ax80_5210MHz_RU_Full_Chain 0



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 9.MAY.2025 11:01:50

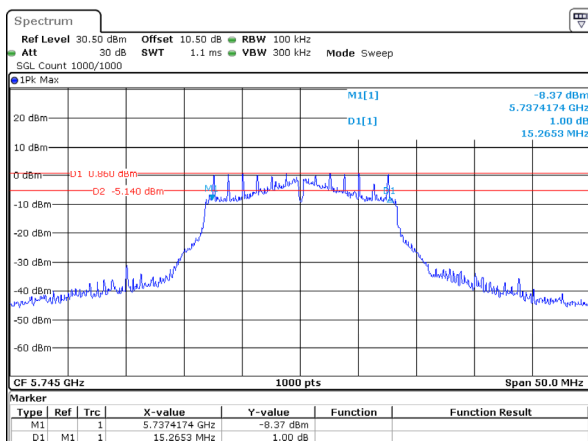
802.11ax80_5210MHz_RU_Full_Chain 1



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 9.MAY.2025 11:08:17

5725-5850MHz

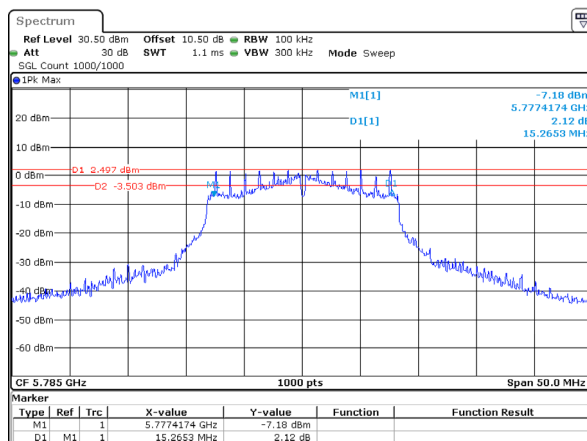
802.11a_5745MHz_Chain 0



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang

Date: 22.FEB.2025 18:29:00

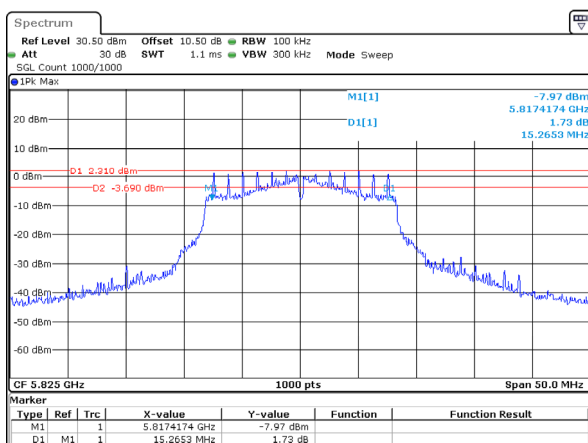
802.11a_5785MHz_Chain 0



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang

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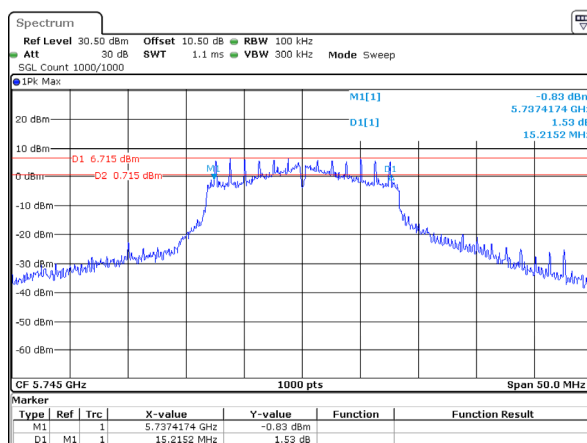
802.11a_5825MHz_Chain 0



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang

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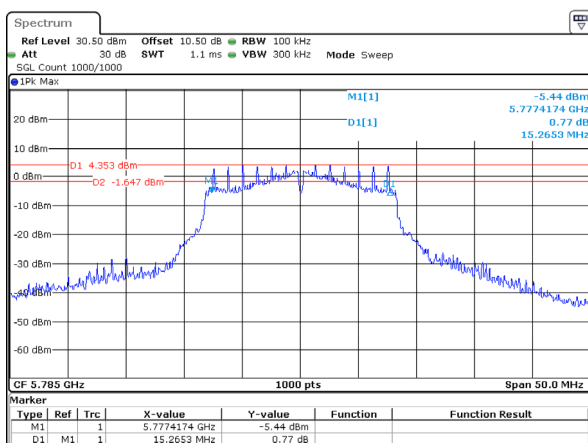
802.11a_5745MHz_Chain 1



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang

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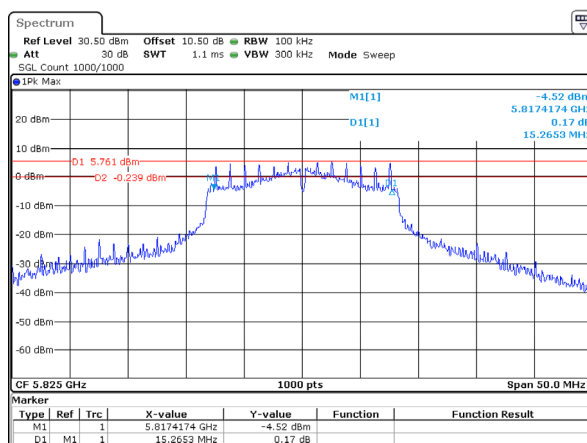
802.11a_5785MHz_Chain 1



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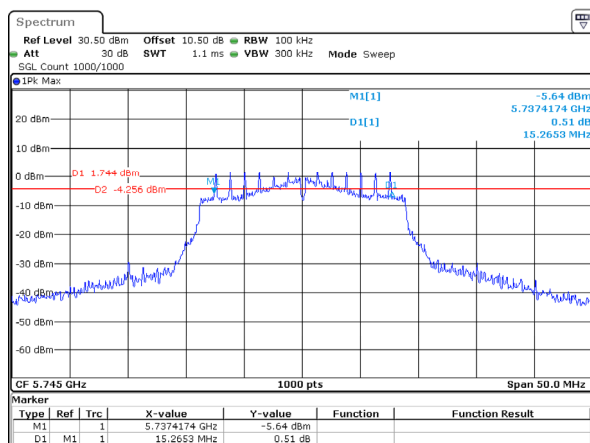
802.11a_5825MHz_Chain 1



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang

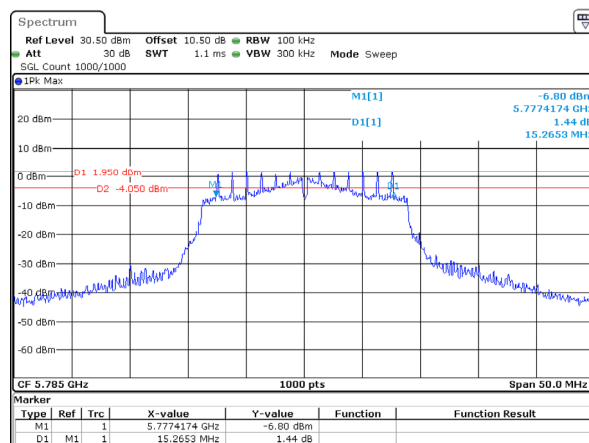
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802.11ac20_5745MHz_Chain 0



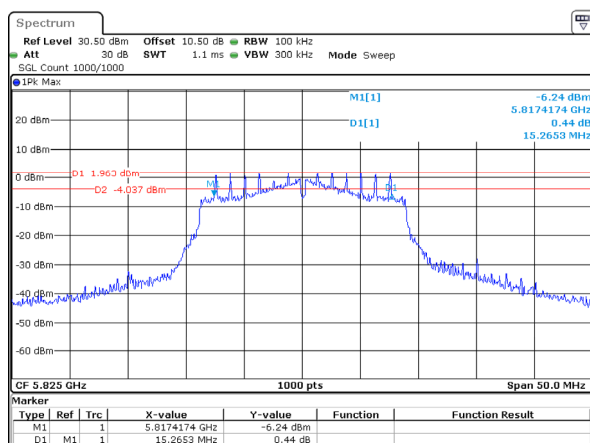
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802.11ac20_5785MHz_Chain 0



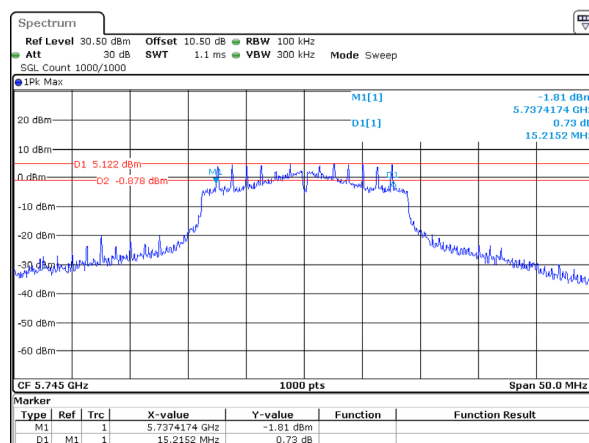
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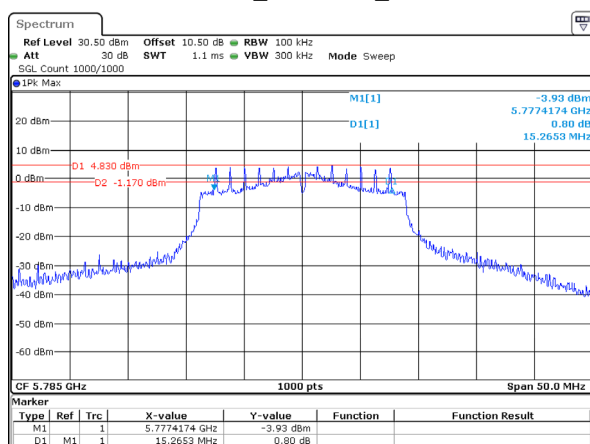
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802.11ac20_5745MHz_Chain 1



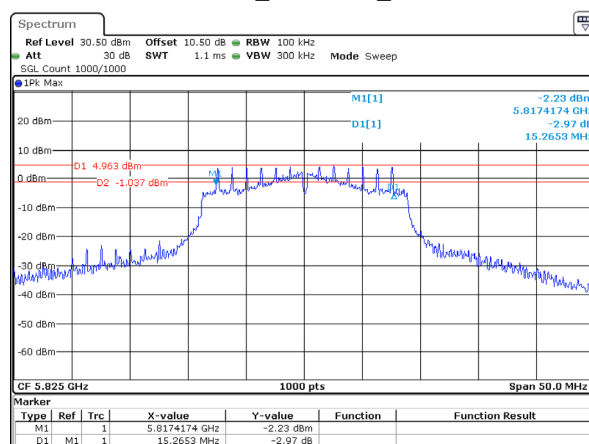
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802.11ac20_5785MHz_Chain 1



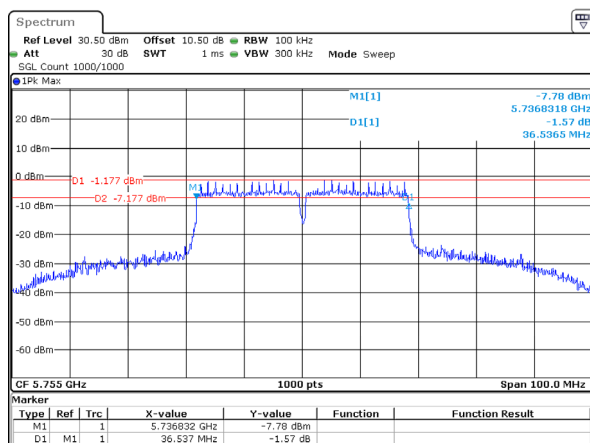
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802.11ac20_5825MHz_Chain 1



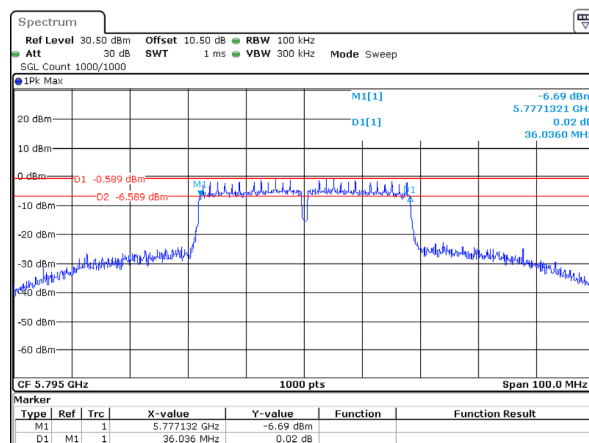
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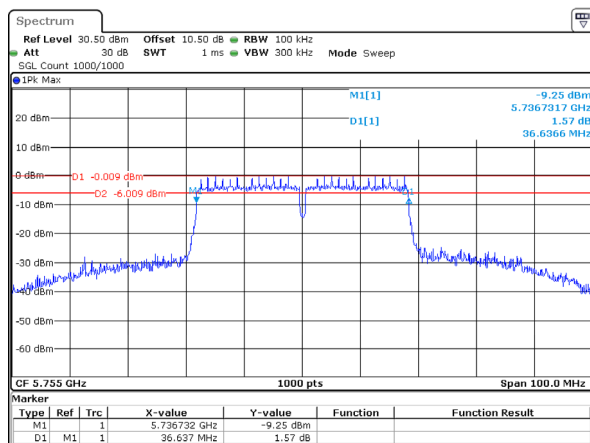
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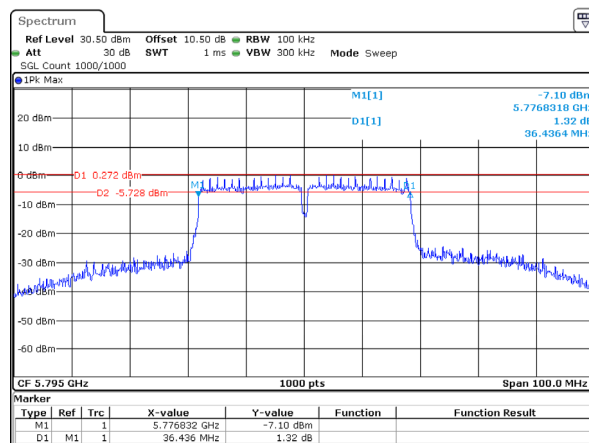
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802.11ac40_5755MHz_Chain 1



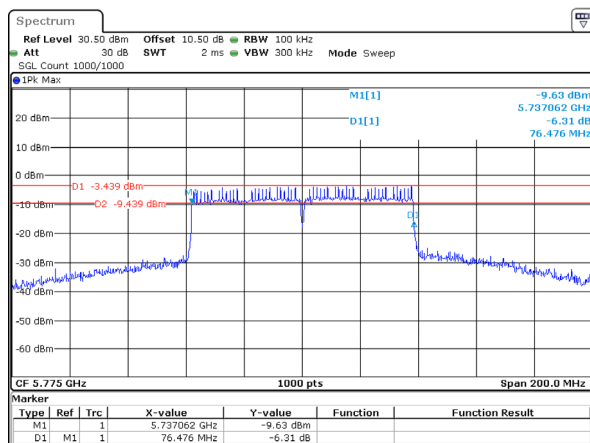
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802.11ac40_5795MHz_Chain 1



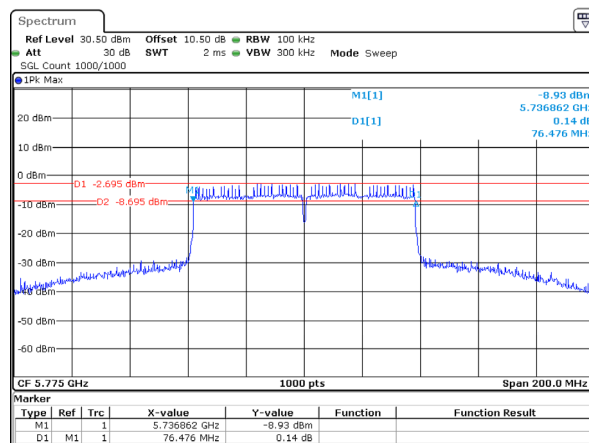
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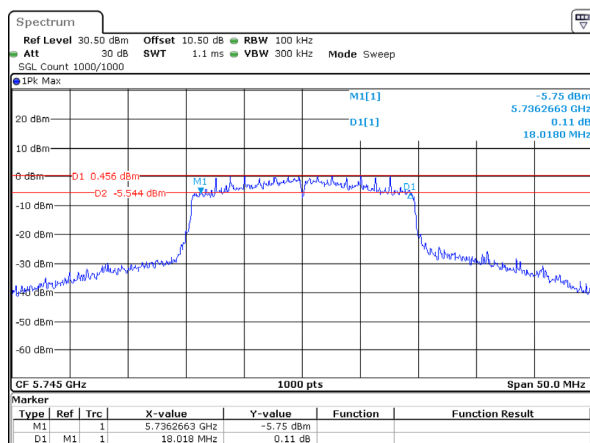
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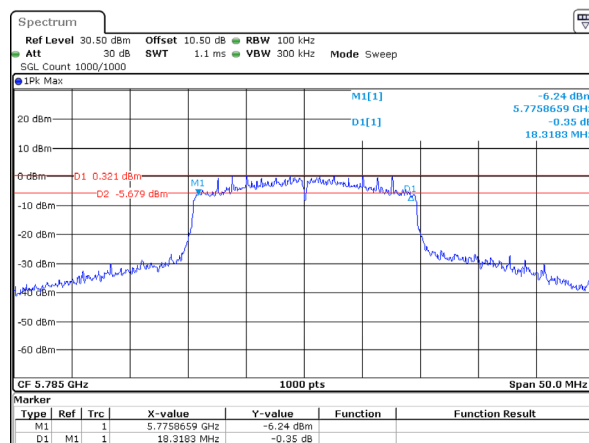
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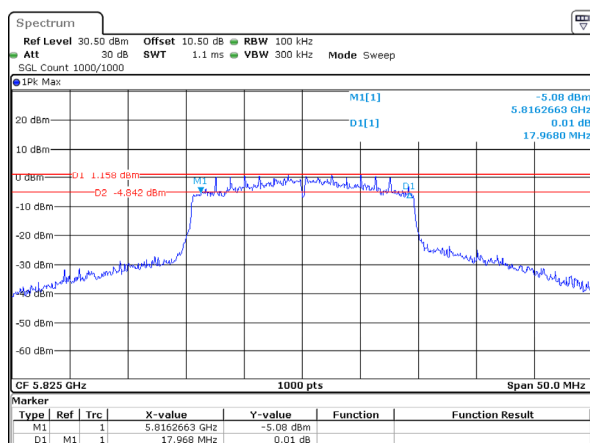
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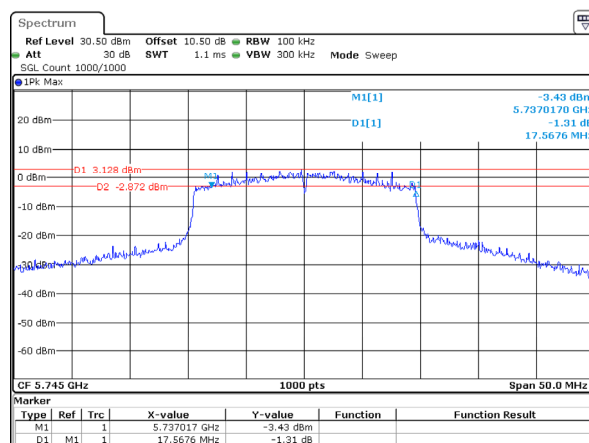
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Date: 22.FEB.2025 18:50:02

802.11ax20_5825MHz_RU_Full_Chain 0



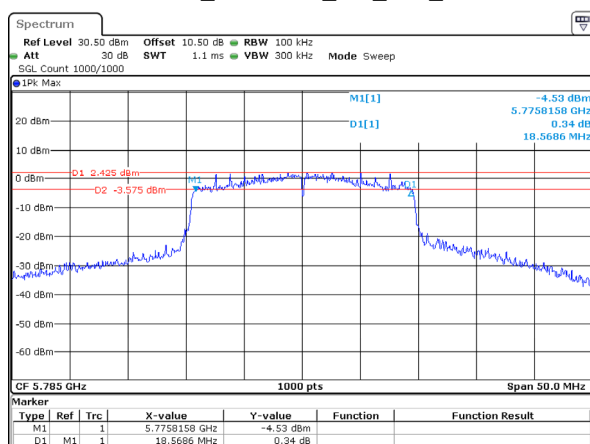
ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 22.FEB.2025 18:51:15

802.11ax20_5745MHz_RU_Full_Chain 1



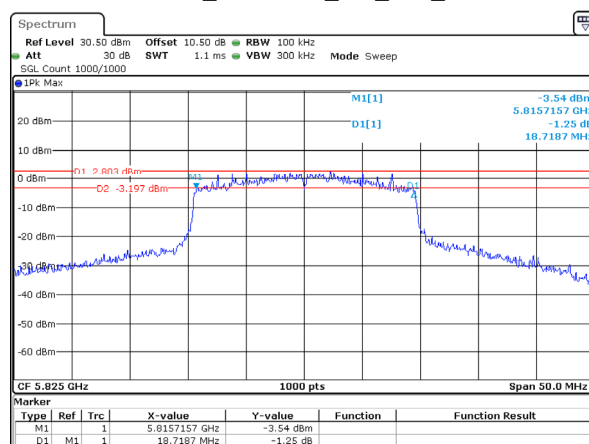
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Date: 24.FEB.2025 13:33:33

802.11ax20_5785MHz_RU_Full_Chain 1



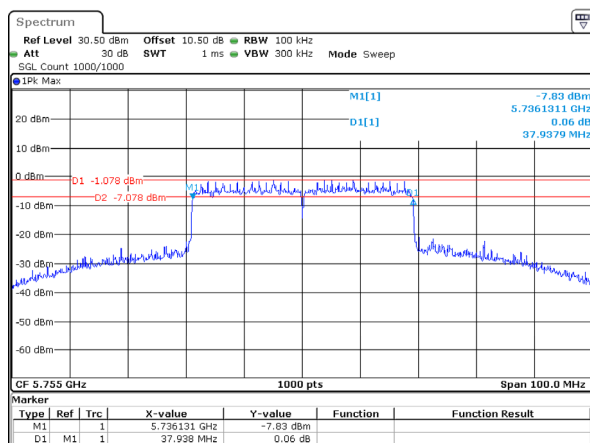
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Date: 24.FEB.2025 13:35:47

802.11ax20_5825MHz_RU_Full_Chain 1



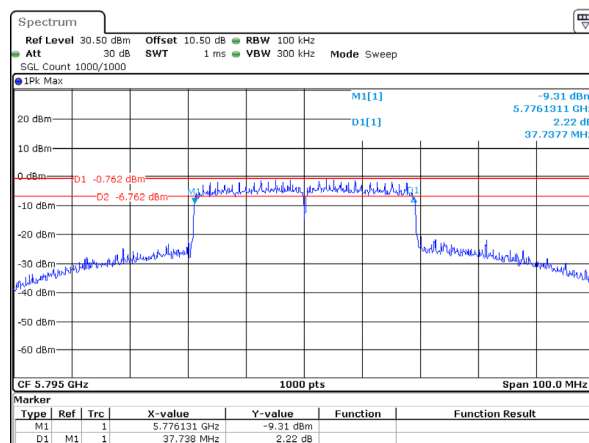
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Date: 24.FEB.2025 13:55:18

802.11ax40_5755MHz_RU_Full_Chain 0



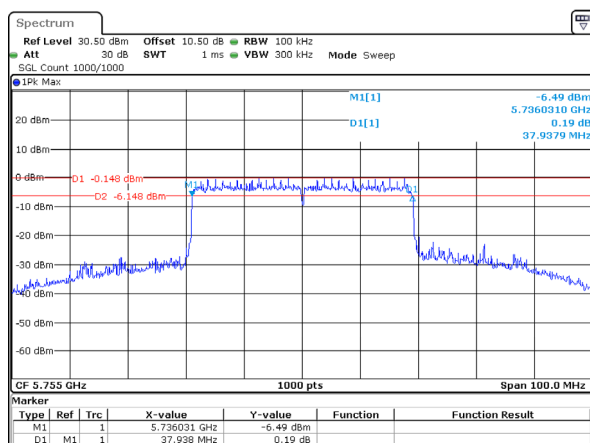
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Date: 22.FEB.2025 18:54:07

802.11ax40_5795MHz_RU_Full_Chain 0



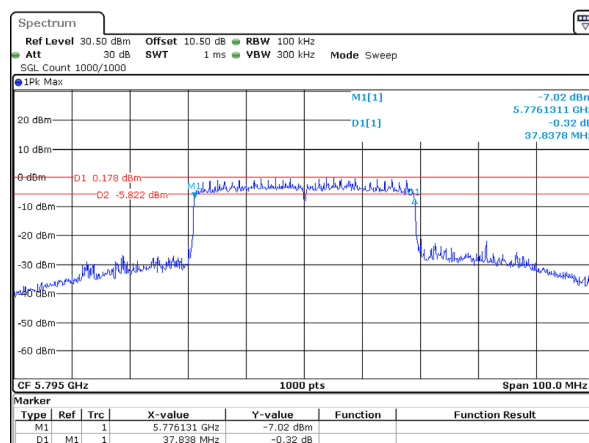
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Date: 22.FEB.2025 18:55:03

802.11ax40_5755MHz_RU_Full_Chain 1



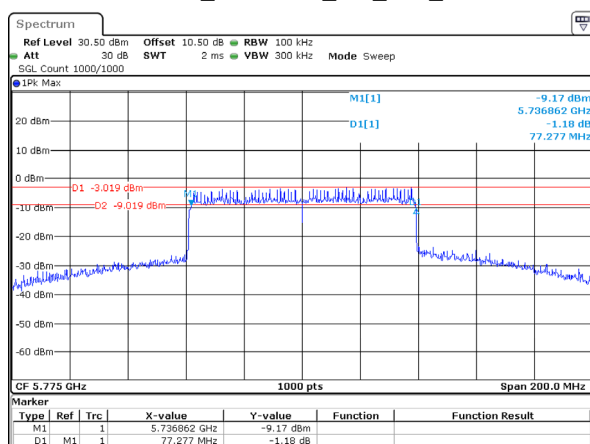
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Date: 24.FEB.2025 13:57:27

802.11ax40_5795MHz_RU_Full_Chain 1



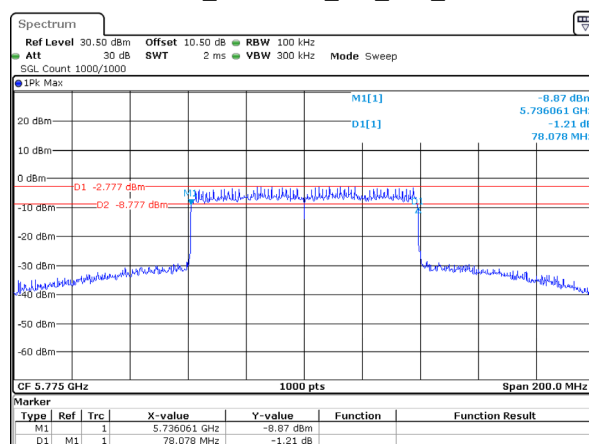
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Date: 24.FEB.2025 13:58:39

802.11ax80_5775MHz_RU_Full_Chain 0



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 22.FEB.2025 18:56:32

802.11ax80_5775MHz_RU_Full_Chain 1



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 24.FEB.2025 14:00:28

99% Occupied Bandwidth

5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	Chain 0	5180	16.350
		5200	16.350
		5240	16.350
	Chain 1	5180	16.450
		5200	16.350
		5240	16.400
802.11ac20	Chain 0	5180	17.550
		5200	17.550
		5240	17.600
	Chain 1	5180	17.550
		5200	17.550
		5240	17.600
802.11ac40	Chain 0	5190	37.500
		5230	38.100
	Chain 1	5190	36.900
		5230	37
802.11ac80	Chain 0	5210	77
	Chain 1	5210	76.600
802.11ax20_RU_Full	Chain 0	5180	18.950
		5200	18.950
		5240	19
	Chain 1	5180	19.050
		5200	19.050
		5240	19
802.11ax40_RU_Full	Chain 0	5190	37.900
		5230	37.900
	Chain 1	5190	37.800
		5230	37.900
802.11ax80_RU_Full	Chain 0	5210	77.400
	Chain 1	5210	77.600

Note:

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

5725-5850MHz

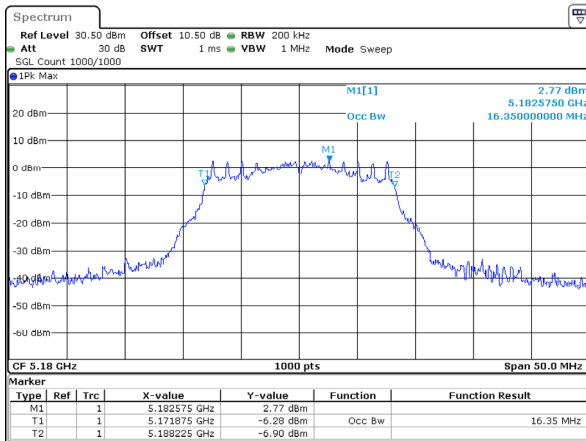
Mode	Antenna	Test Frequency (MHz)	99% OBW (MHz)
802.11a	Chain 0	5745	16.400
		5785	16.400
		5825	16.400
	Chain 1	5745	16.700
		5785	16.450
		5825	16.700
802.11ac20	Chain 0	5745	17.600
		5785	17.600
		5825	17.600
	Chain 1	5745	17.850
		5785	17.700
		5825	17.750
802.11ac40	Chain 0	5755	38
		5795	40
	Chain 1	5755	36.900
		5795	37
802.11ac80	Chain 0	5775	78.200
	Chain 1	5775	76.400
802.11ax20_RU_Full	Chain 0	5745	19
		5785	19.050
		5825	19.050
	Chain 1	5745	19.150
		5785	19.050
		5825	19.150
802.11ax40_RU_Full	Chain 0	5755	38.300
		5795	38.300
	Chain 1	5755	38
		5795	37.800
802.11ax80_RU_Full	Chain 0	5775	79.200
	Chain 1	5775	77.600

Note:

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

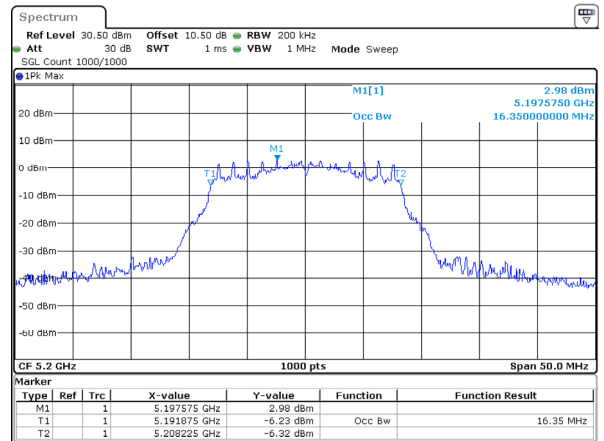
5150-5250MHz

802.11a_5180MHz_Chain 0



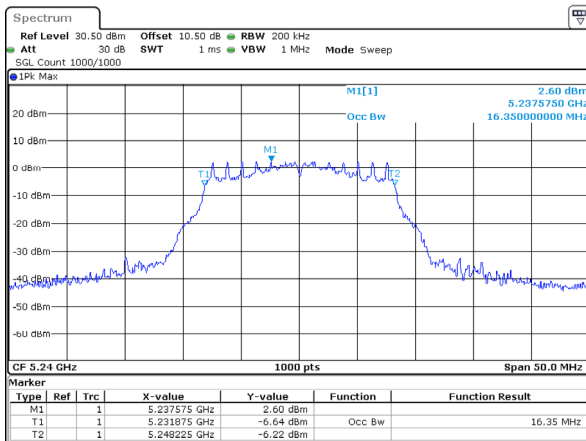
ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 22.FEB.2025 16:32:40

802.11a_5200MHz_Chain 0



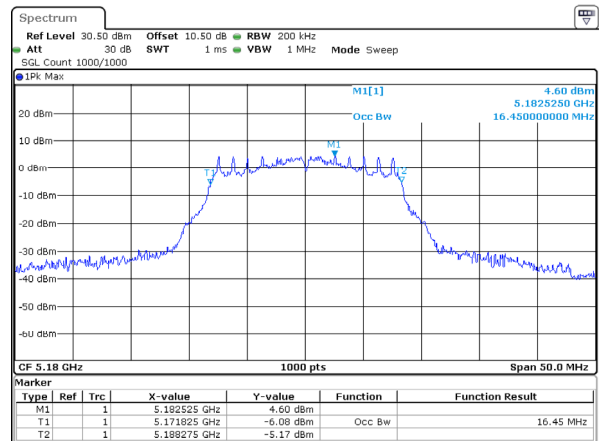
ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 22.FEB.2025 16:42:04

802.11a_5240MHz_Chain 0



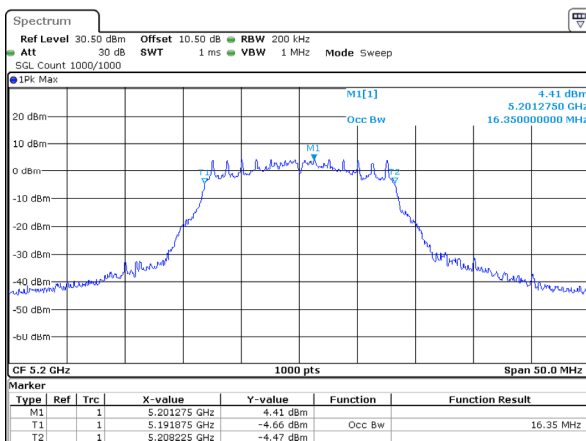
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Date: 22.FEB.2025 16:47:55

802.11a_5180MHz_Chain 1



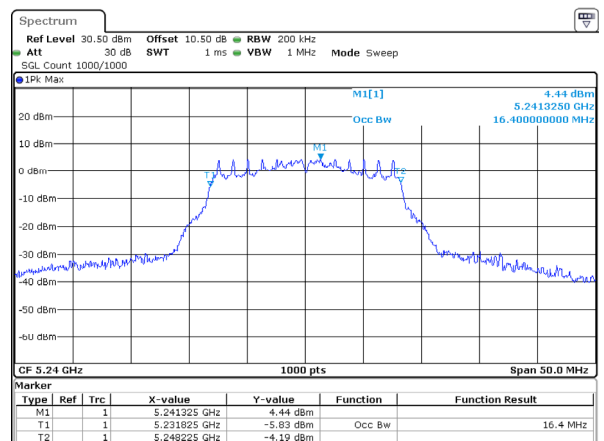
ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 24.FEB.2025 11:06:29

802.11a_5200MHz_Chain 1



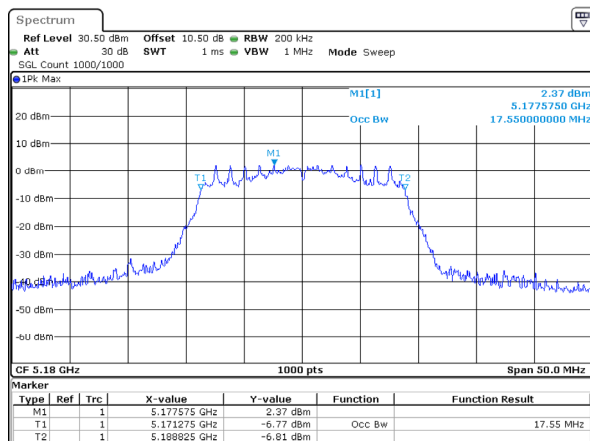
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802.11a_5240MHz_Chain 1



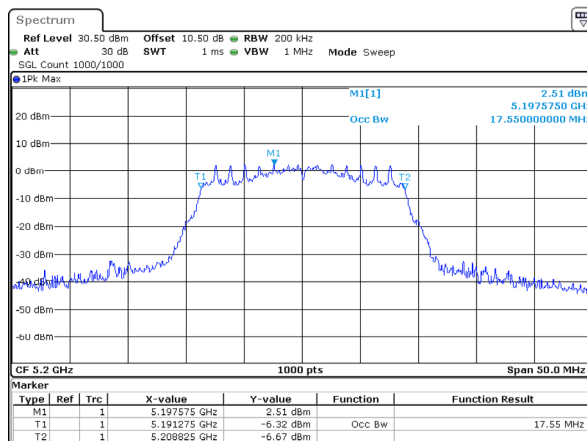
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Date: 24.FEB.2025 11:12:10

802.11ac20_5180MHz_Chain 0



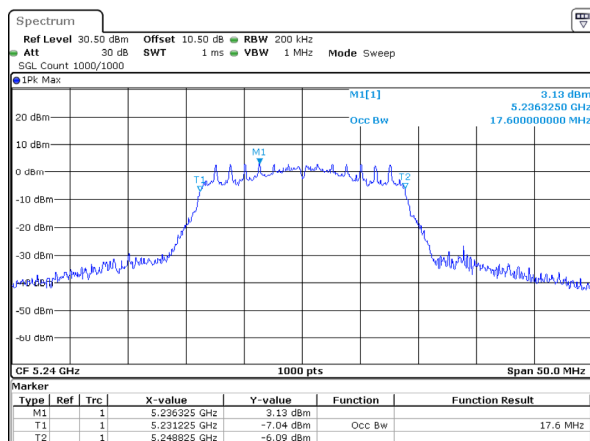
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Date: 22.FEB.2025 18:12:57

802.11ac20_5200MHz_Chain 0



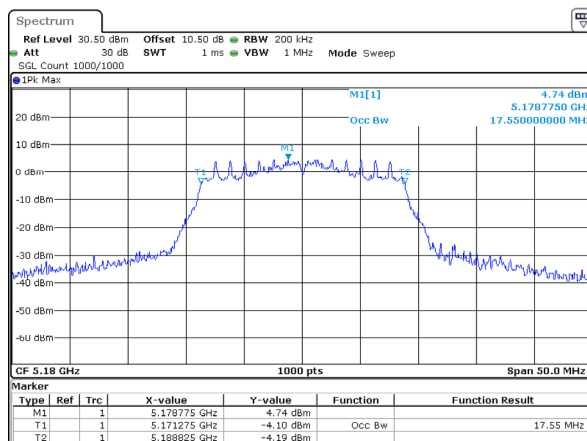
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Date: 22.FEB.2025 18:14:41

802.11ac20_5240MHz_Chain 0



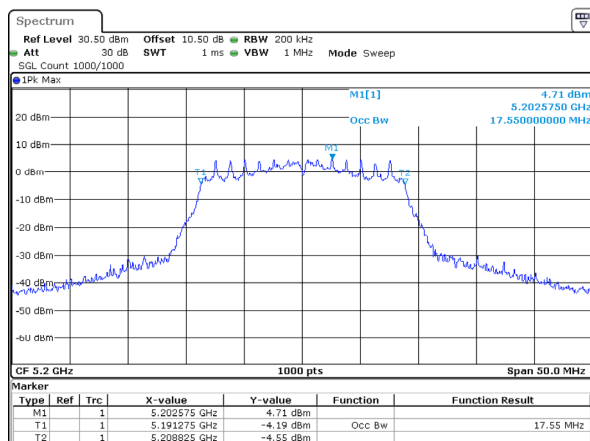
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Date: 22.FEB.2025 18:17:38

802.11ac20_5180MHz_Chain 1



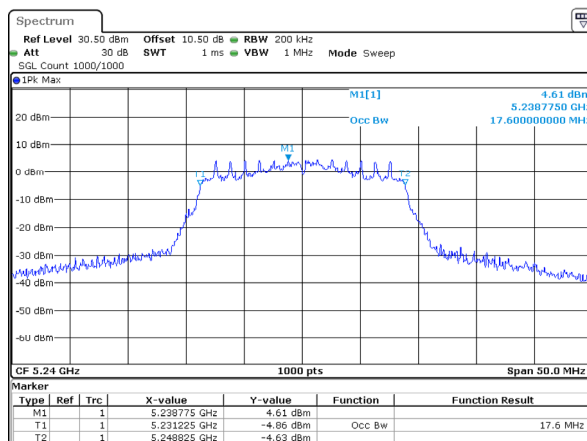
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802.11ac20_5200MHz_Chain 1



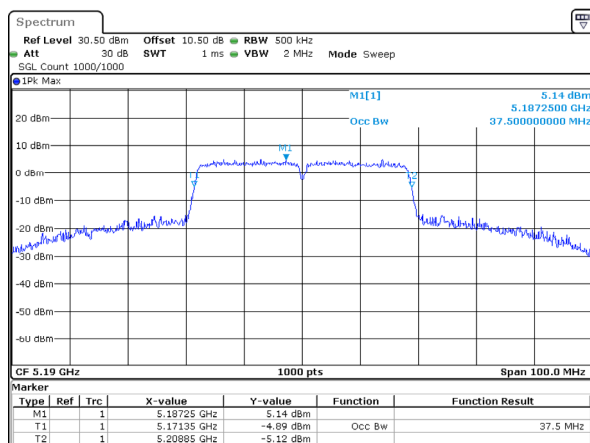
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Date: 24.FEB.2025 11:18:29

802.11ac20_5240MHz_Chain 1



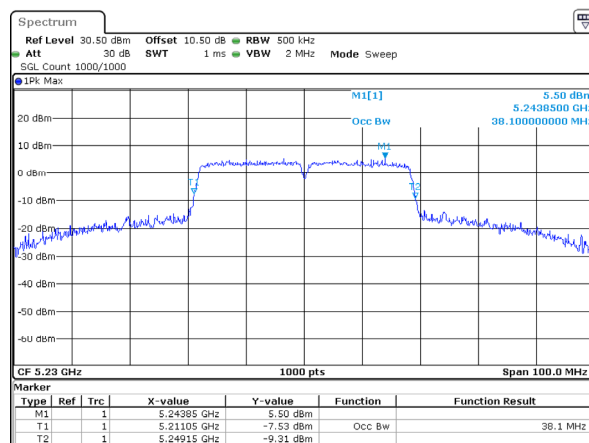
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Date: 24.FEB.2025 11:21:16

802.11ac40_5190MHz_Chain 0



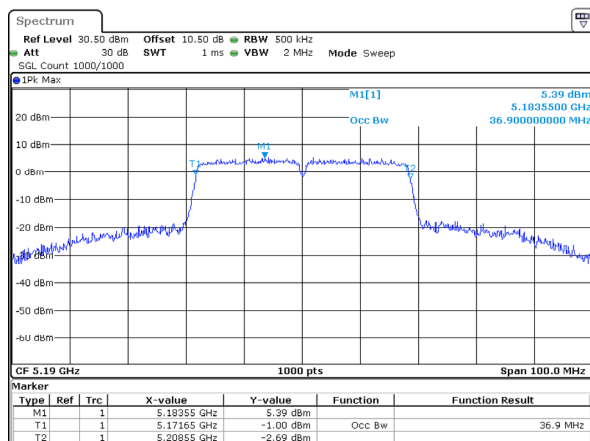
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Date: 22.FEB.2025 18:21:07

802.11ac40_5230MHz_Chain 0



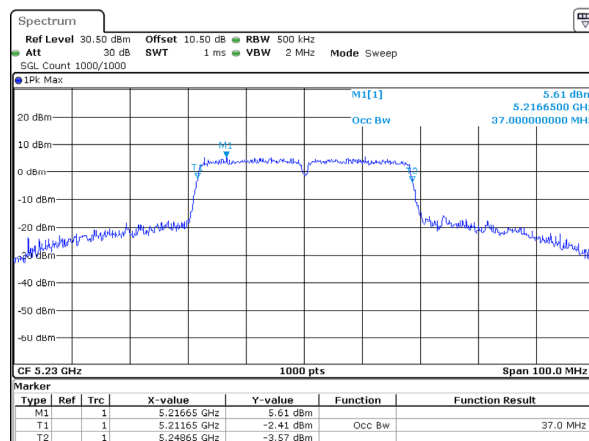
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Date: 22.FEB.2025 18:22:48

802.11ac40_5190MHz_Chain 1



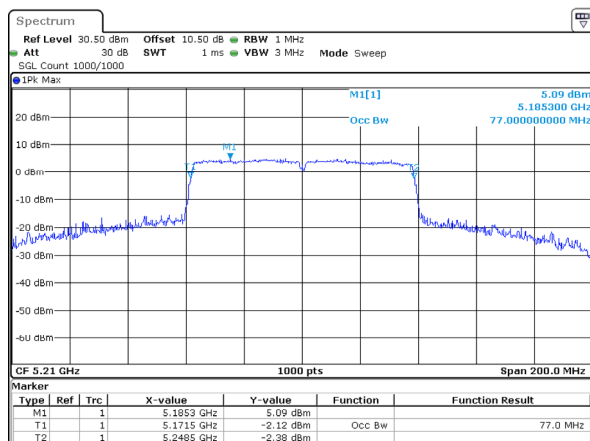
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Date: 24.FEB.2025 11:24:22

802.11ac40_5230MHz_Chain 1



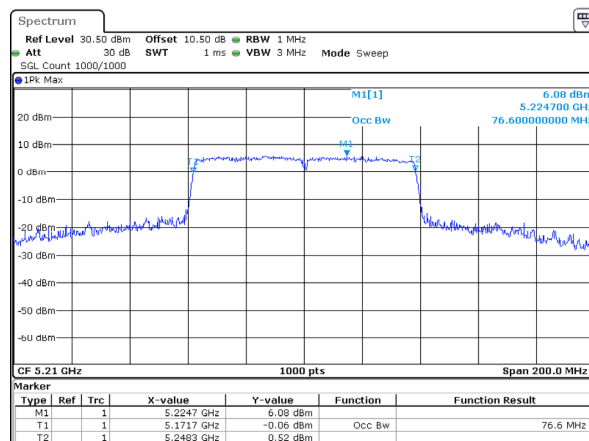
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Date: 24.FEB.2025 11:31:01

802.11ac80_5210MHz_Chain 0



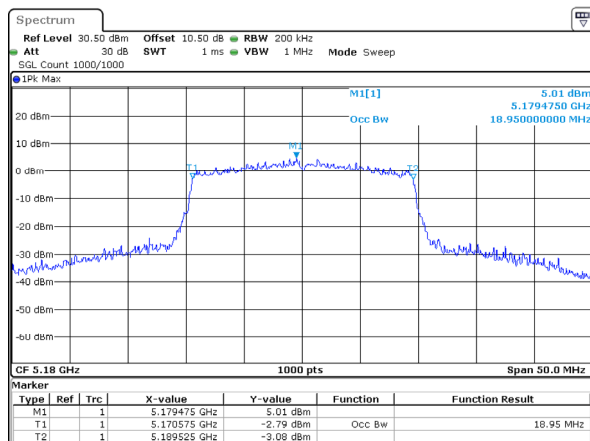
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Date: 22.FEB.2025 18:24:53

802.11ac80_5210MHz_Chain 1



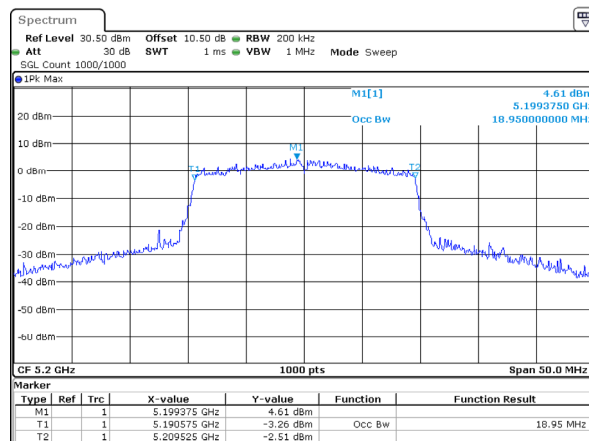
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Date: 24.FEB.2025 11:34:02

802.11ax20_5180MHz_RU_Full_Chain 0



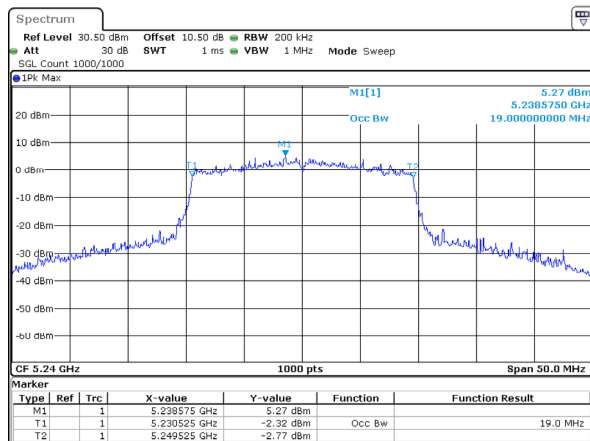
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Date: 22.FEB.2025 17:47:31

802.11ax20_5200MHz_RU_Full_Chain 0



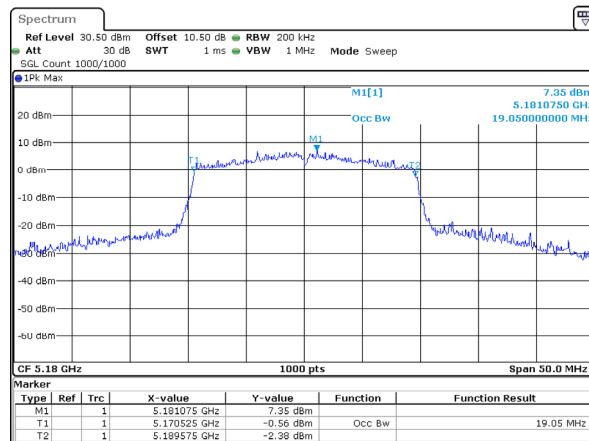
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Date: 22.FEB.2025 17:49:17

802.11ax20_5240MHz_RU_Full_Chain 0



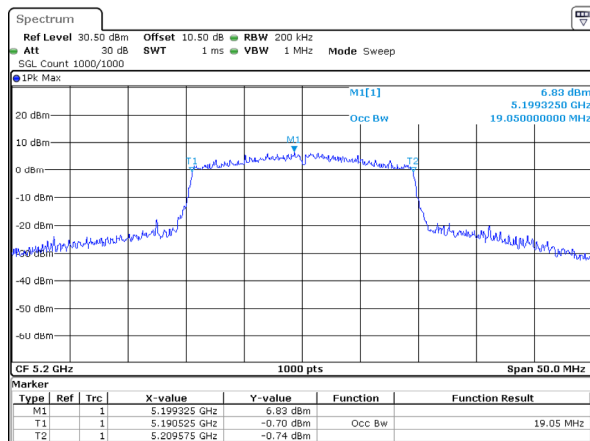
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802.11ax20_5180MHz_RU_Full_Chain 1



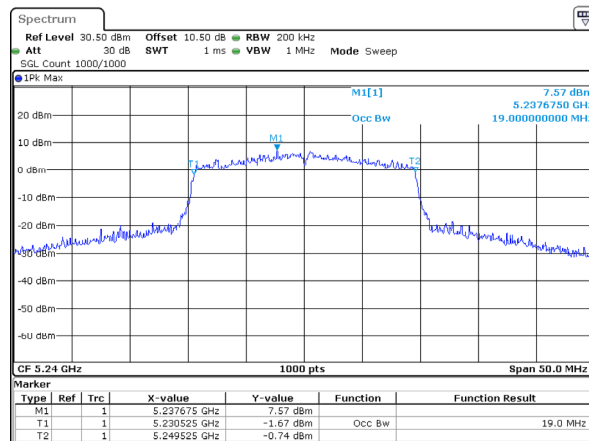
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Date: 24.FEB.2025 11:42:18

802.11ax20_5200MHz_RU_Full_Chain 1



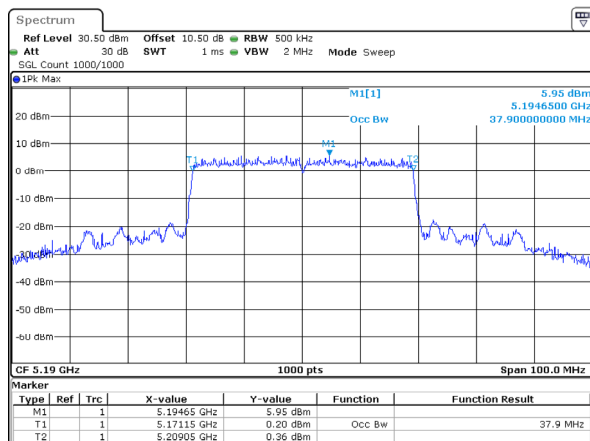
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802.11ax20_5240MHz_RU_Full_Chain 1



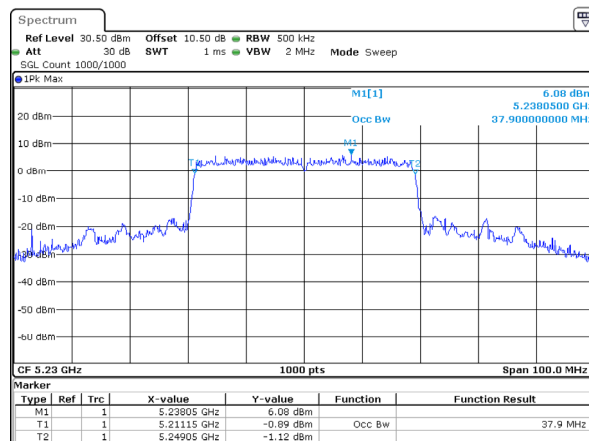
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802.11ax40_5190MHz_RU_Full_Chain 0



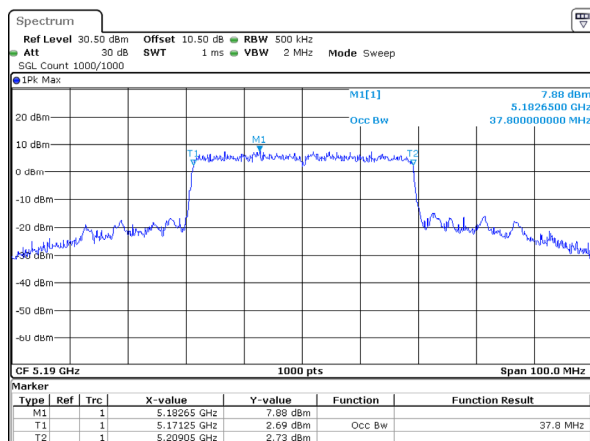
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802.11ax40_5230MHz_RU_Full_Chain 0



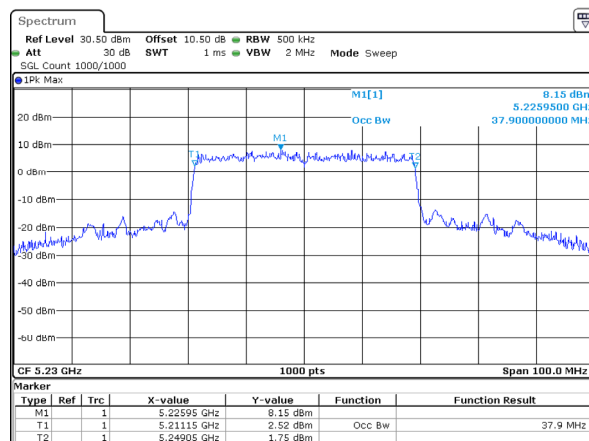
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802.11ax40_5190MHz_RU_Full_Chain 1



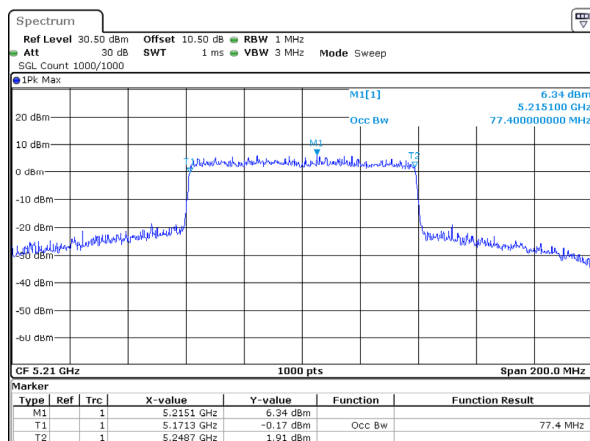
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Date: 24.FEB.2025 11:51:42

802.11ax40_5230MHz_RU_Full_Chain 1



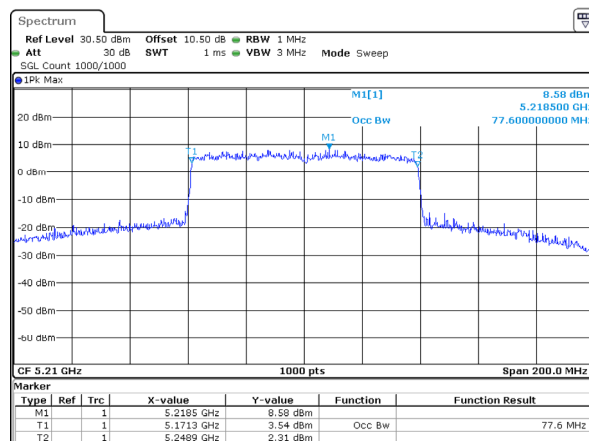
ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 24.FEB.2025 11:54:01

802.11ax80_5210MHz_RU_Full_Chain 0



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 22.FEB.2025 18:06:53

802.11ax80_5210MHz_RU_Full_Chain 1



ProjectNo.:2501Q31691E-RF Tester:Cheeb Huang
Date: 24.FEB.2025 11:57:00