

Appendix A2: Module YL43456

Test Information:

Sample No.:	2YH7-1	Test Date:	2025/02/24~2025/05/09
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	Test Frequency (MHz)	Result (MHz)
802.11a	5180	23.898
	5200	24.069
	5240	23.752
802.11ac20	5180	29.674
	5200	28.356
	5240	27.756
802.11ac40	5190	48.348
	5230	47.748
802.11ac80	5210	90.490

5250-5350MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5260	28.500
	5280	23.825
	5320	24.448
802.11ac20	5260	27.980
	5280	27.223
	5320	29.346
802.11ac40	5270	47.347
	5310	49.650
802.11ac80	5290	86.086

5470-5725MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5500	23.445
	5580	29.847
	5700	23.593
	5720	24.306
802.11ac20	5500	28.637
	5580	27.554
	5700	27.159
	5720	26.336
802.11ac40	5510	45.145
	5550	45.445
	5670	45.245
	5710	47.648
802.11ac80	5530	88.488
	5610	94.494
	5690	88.488

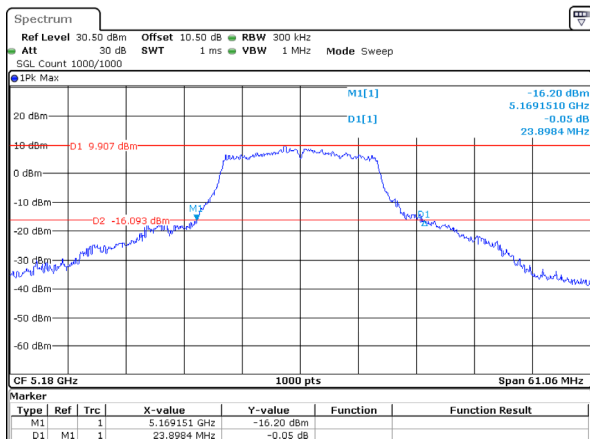
6dB Emission Bandwidth

5725-5850MHz

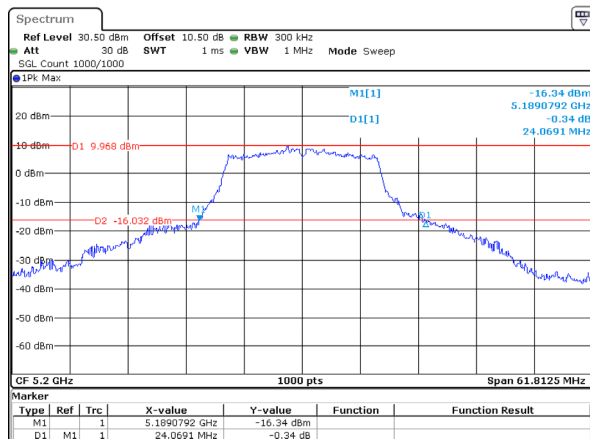
Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	16.366	0.5	Pass
	5785	16.366	0.5	Pass
	5825	16.366	0.5	Pass
802.11ac20	5745	16.667	0.5	Pass
	5785	17.017	0.5	Pass
	5825	17.217	0.5	Pass
802.11ac40	5755	35.936	0.5	Pass
	5795	35.936	0.5	Pass
802.11ac80	5775	75.676	0.5	Pass

5150-5250MHz

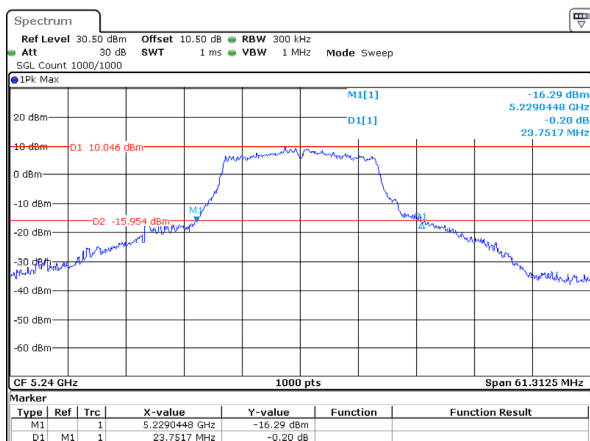
802.11a_5180MHz



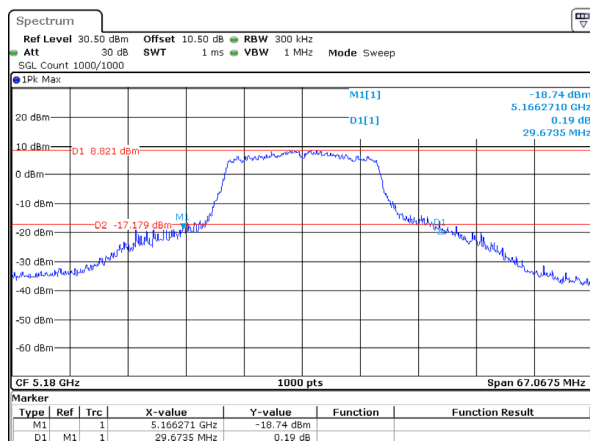
802.11a_5200MHz



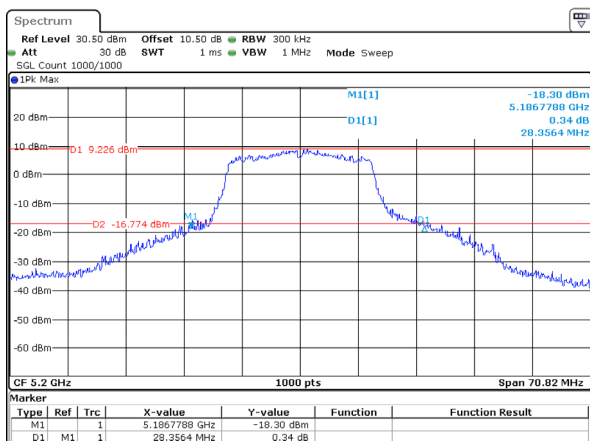
802.11a_5240MHz



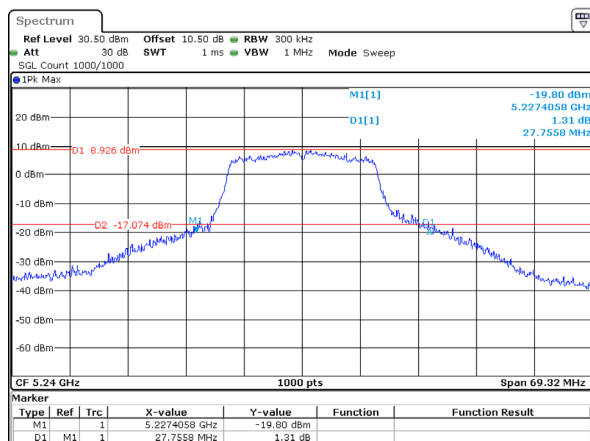
802.11ac20_5180MHz



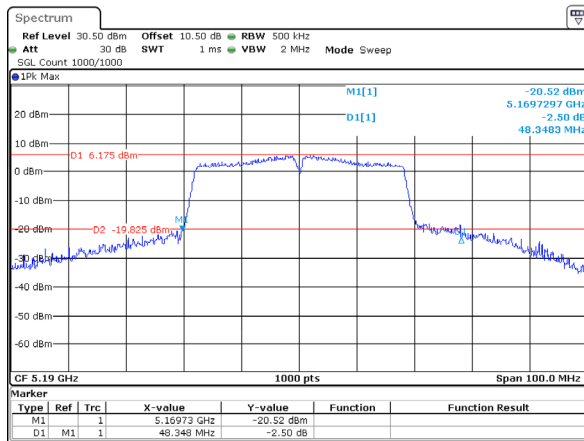
802.11ac20_5200MHz



802.11ac20_5240MHz

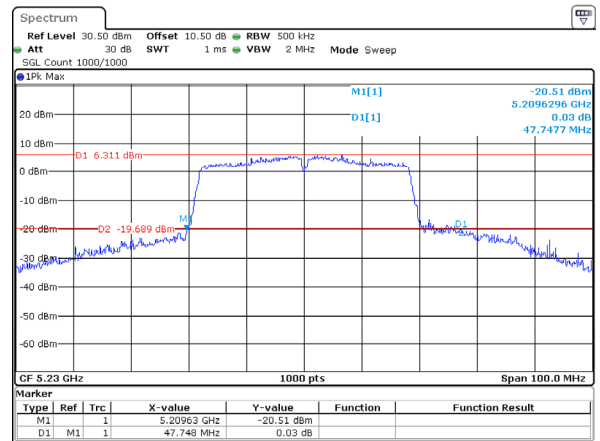


802.11ac40_5190MHz



ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 9.MAY.2025 10:28:09

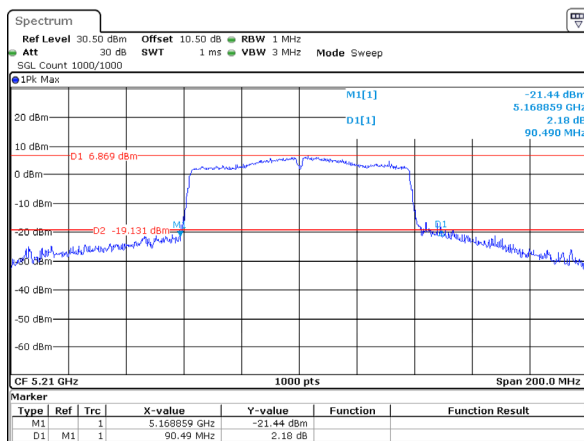
802.11ac40_5230MHz



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Date: 9.MAY.2025 10:28:41

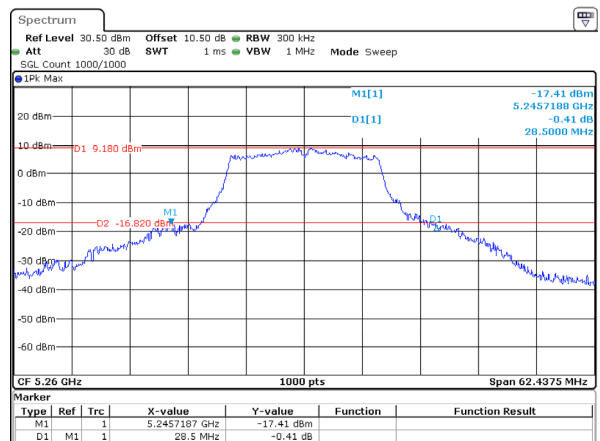
5250-5350MHz

802.11ac80_5210MHz



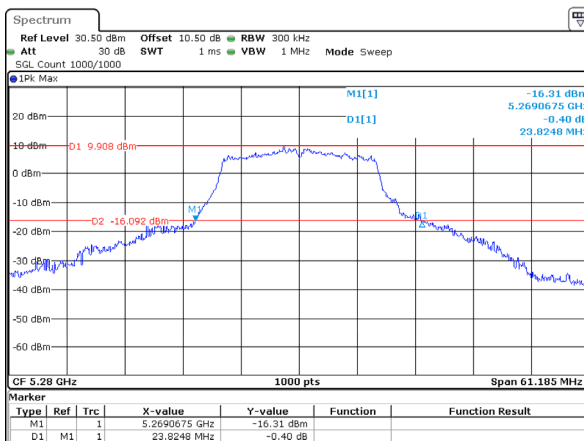
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Date: 9.MAY.2025 10:30:58

802.11a_5260MHz



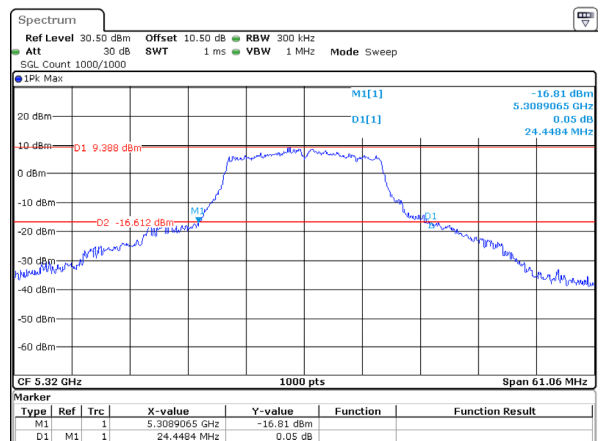
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802.11a_5280MHz



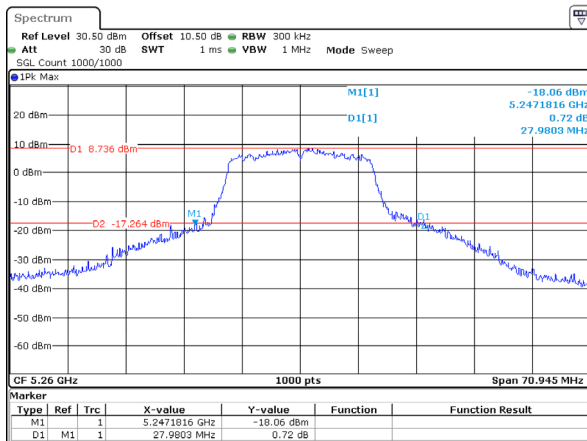
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802.11a_5320MHz

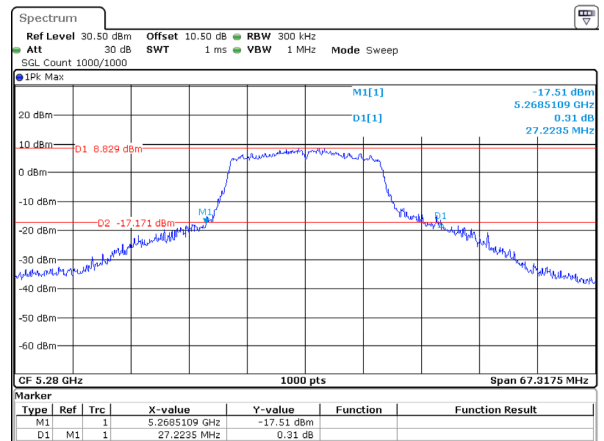


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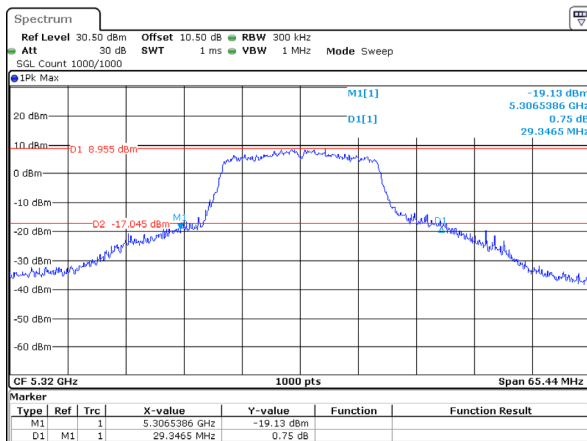
802.11ac20_5260MHz



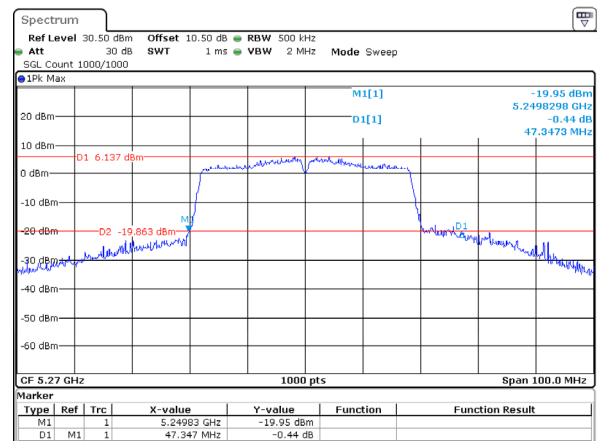
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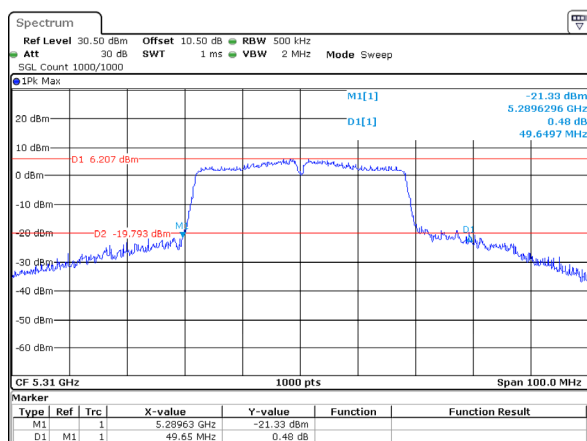
802.11ac20_5320MHz



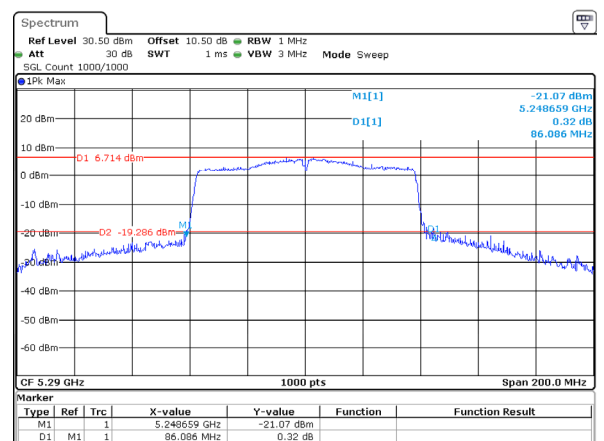
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802.11ac40_5310MHz

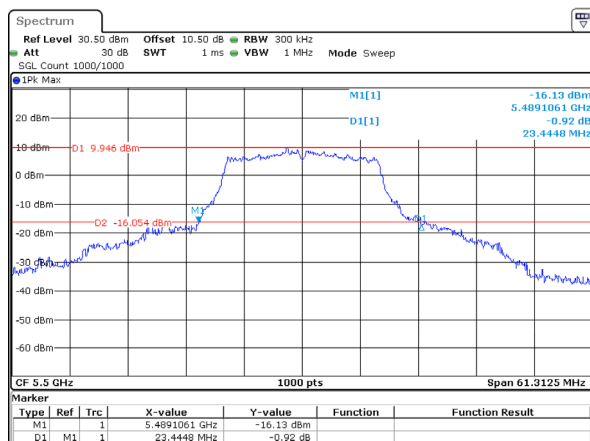


802.11ac80_5290MHz



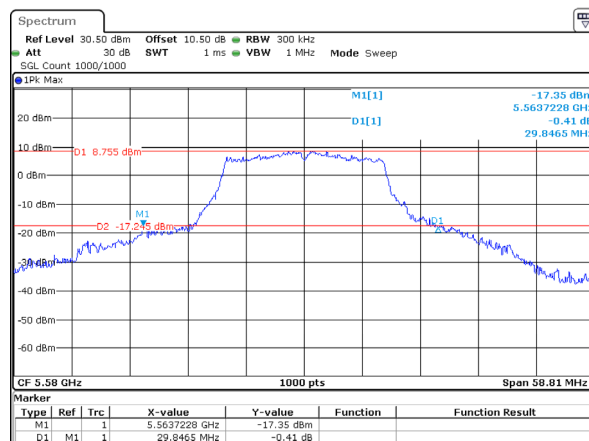
5470-5725MHz

802.11a_5500MHz



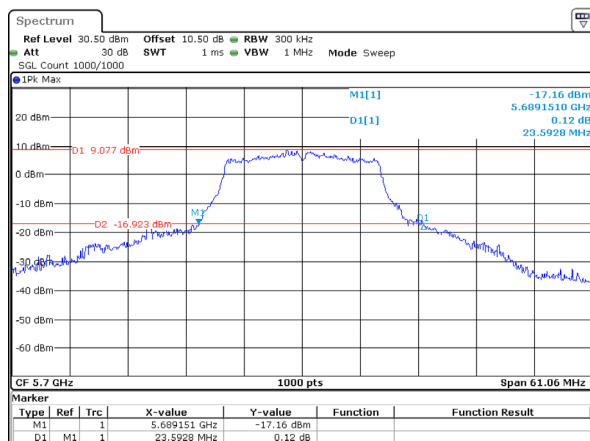
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802.11a_5580MHz



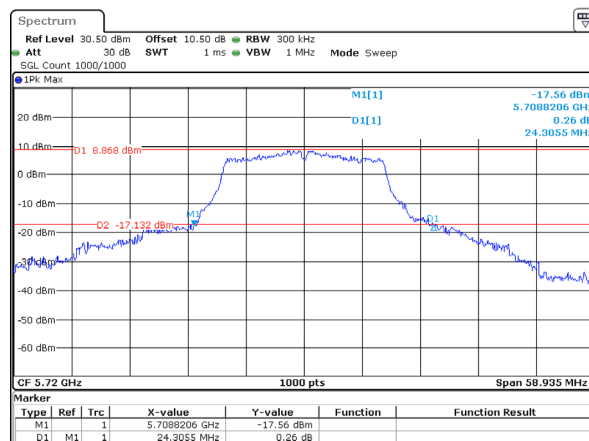
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802.11a_5700MHz



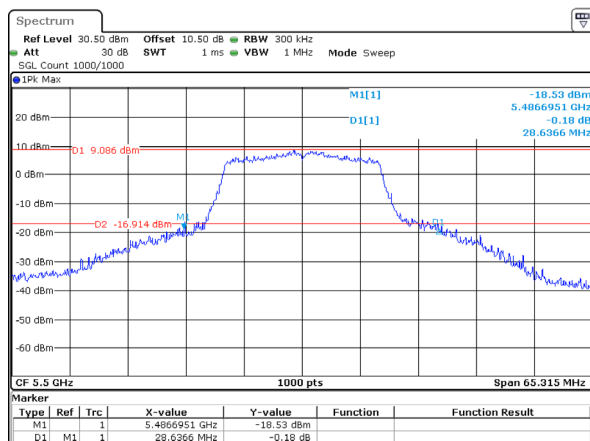
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802.11a_5720MHz



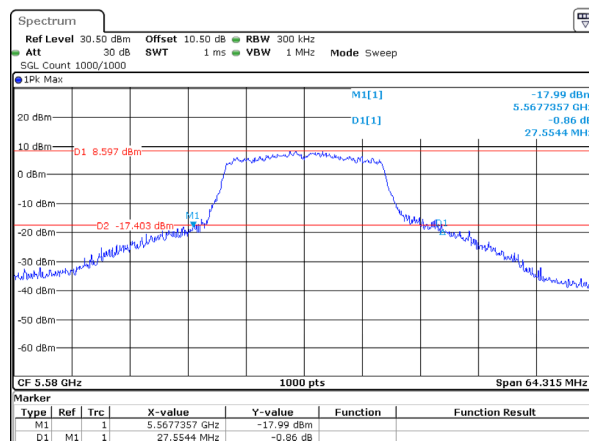
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802.11ac20_5500MHz



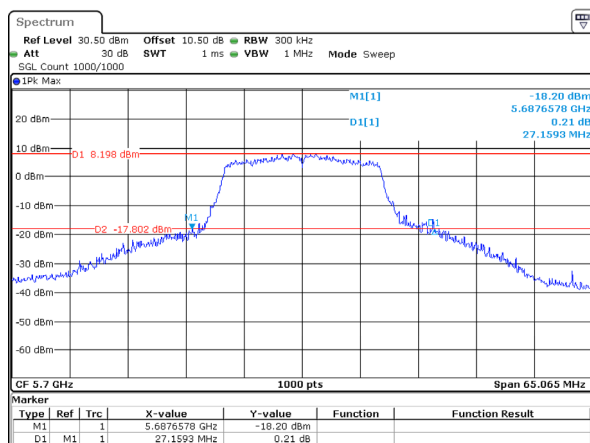
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802.11ac20_5580MHz

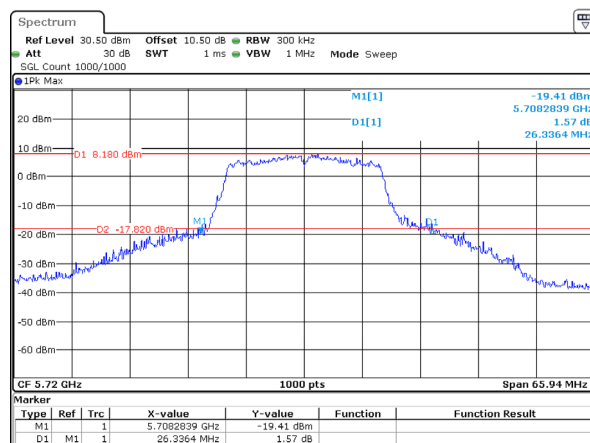


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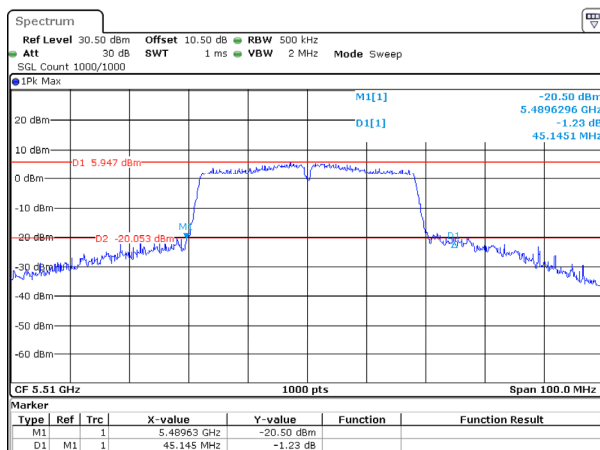
802.11ac20_5700MHz



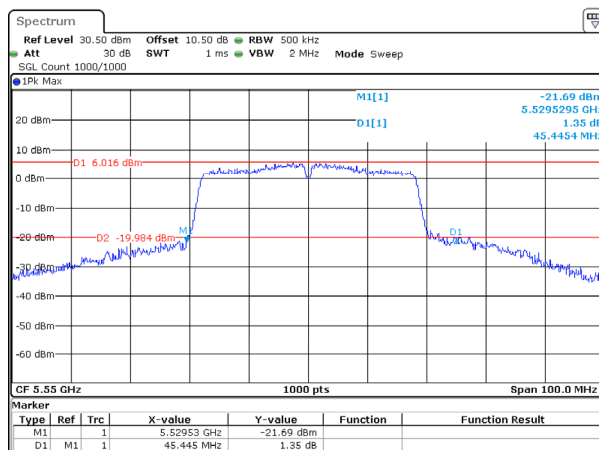
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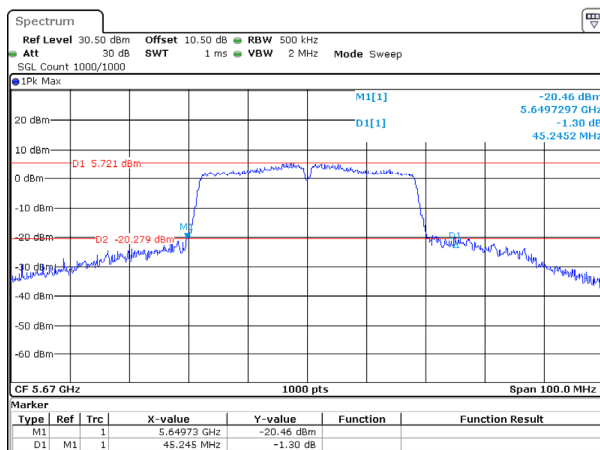
802.11ac40_5510MHz



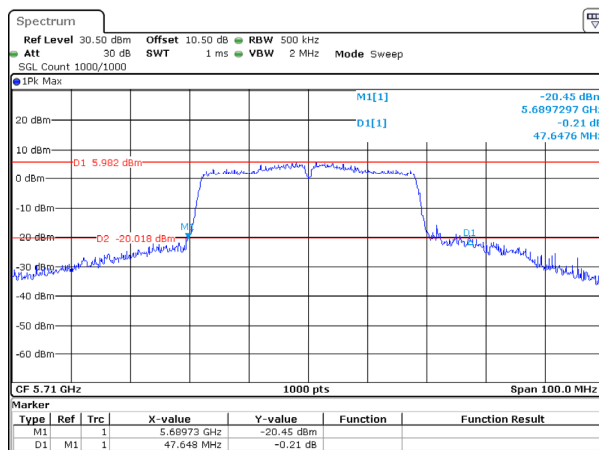
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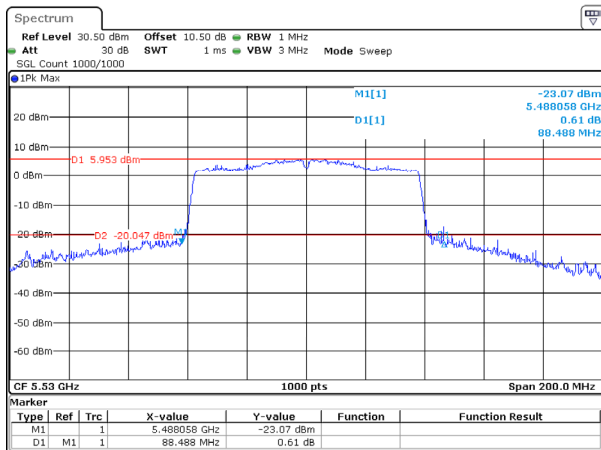
802.11ac40_5670MHz



802.11ac40_5710MHz

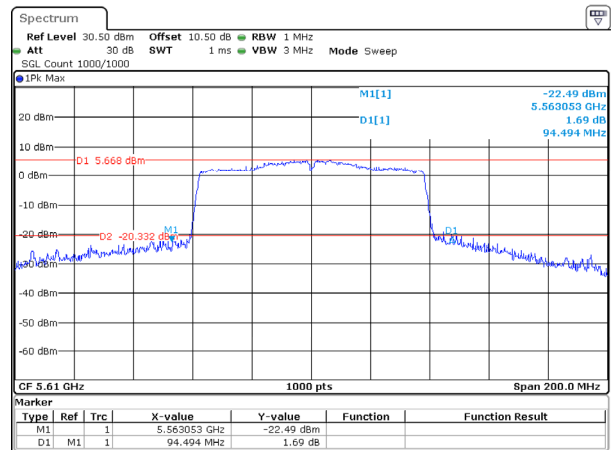


802.11ac80_5530MHz



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Date: 9.MAY.2025 10:37:17

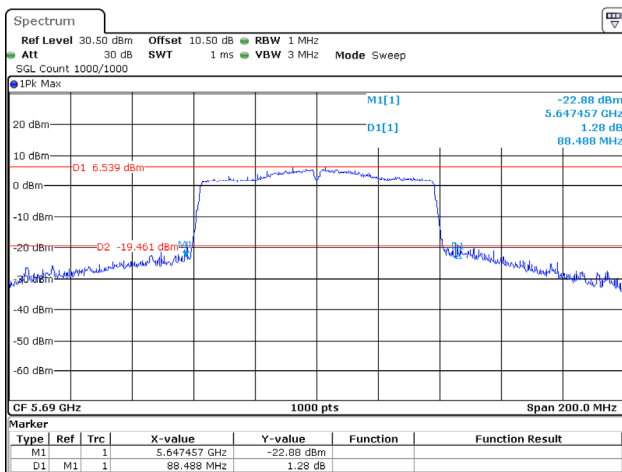
802.11ac80_5610MHz



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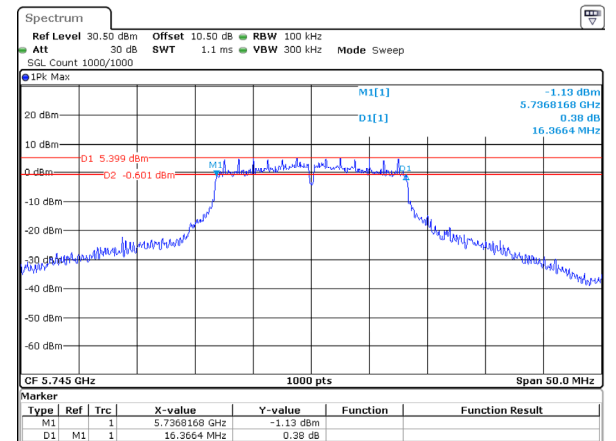
5725-5850MHz

802.11ac80_5690MHz



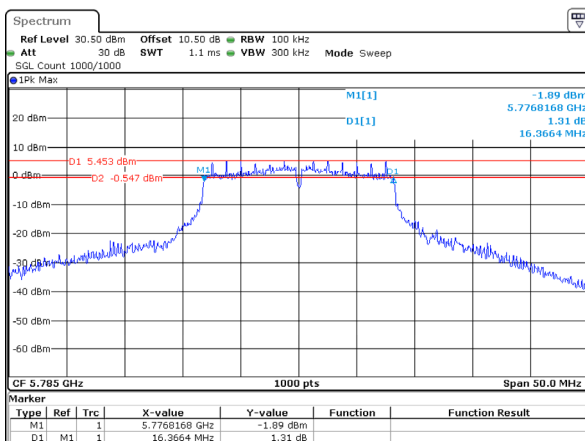
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Date: 9.MAY.2025 10:38:48

802.11a_5745MHz



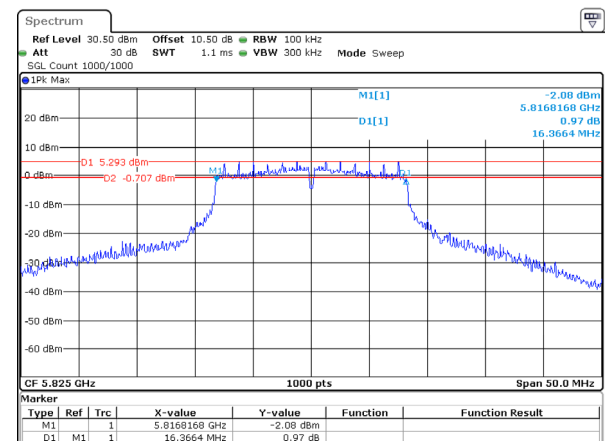
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Date: 24.FEB.2025 16:54:30

802.11a_5785MHz



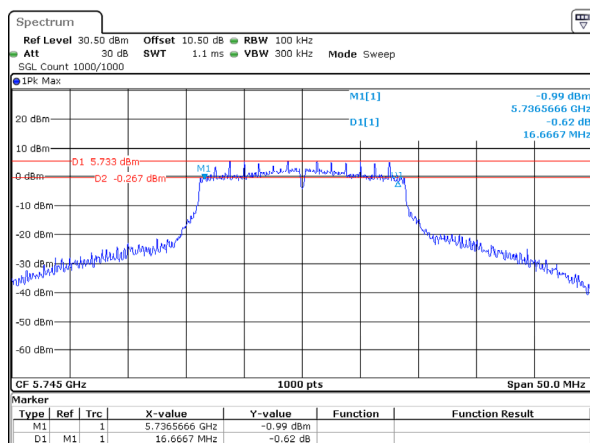
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Date: 24.FEB.2025 16:57:48

802.11a_5825MHz



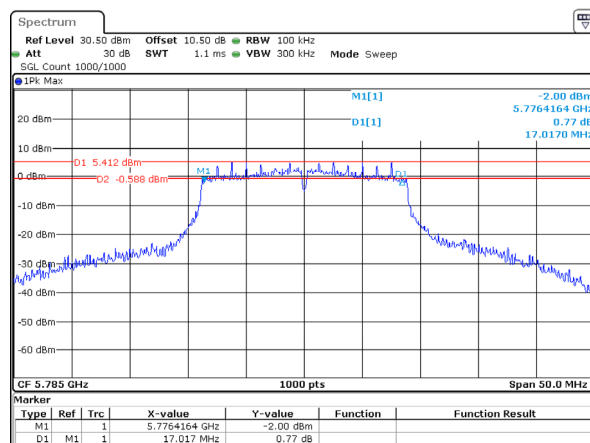
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802.11ac20_5745MHz



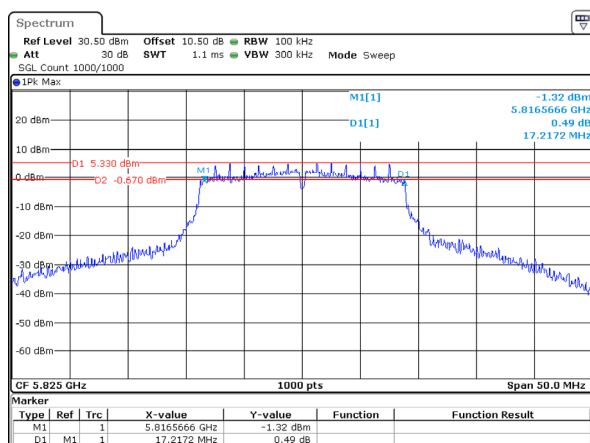
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802.11ac20_5785MHz



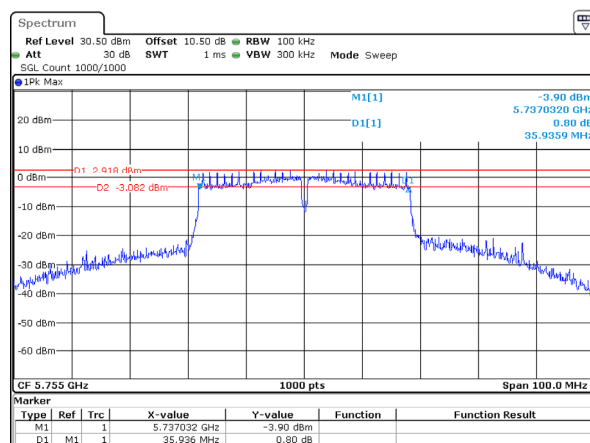
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Date: 24.FEB.2025 17:15:00

802.11ac20_5825MHz



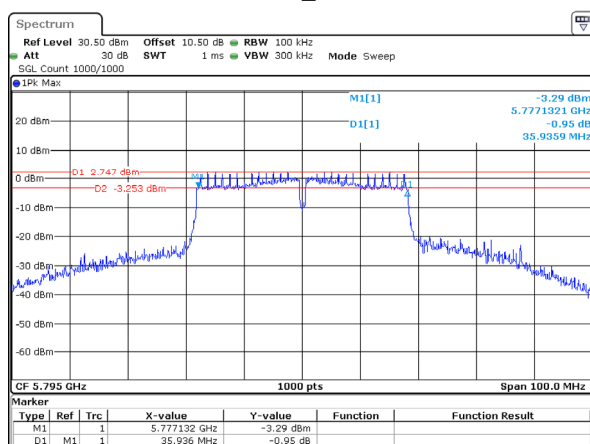
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Date: 24.FEB.2025 17:20:11

802.11ac40_5755MHz



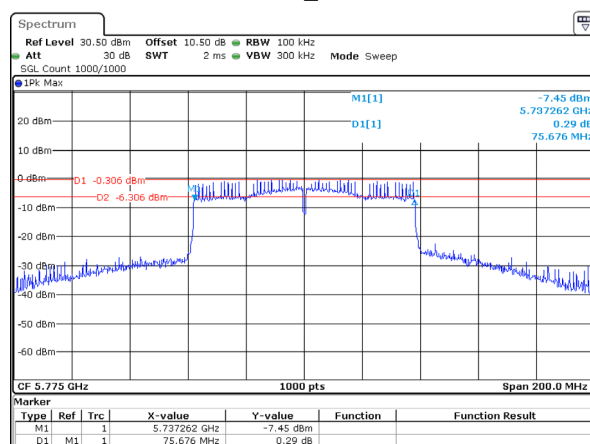
ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 17:22:09

802.11ac40_5795MHz



ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 17:24:14

802.11ac80_5775MHz



ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 17:29:23

99% Occupied Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.950
	5200	16.950
	5240	16.950
802.11ac20	5180	18.150
	5200	18.100
	5240	18.050
802.11ac40	5190	37.200
	5230	37.300
802.11ac80	5210	76.400

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	16.950
	5280	16.950
	5320	16.900
802.11ac20	5260	18.050
	5280	18.100
	5320	18.100
802.11ac40	5270	37
	5310	37.200
802.11ac80	5290	76.400

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	17
	5580	17
	5700	16.950
	5720	17
802.11ac20	5500	18.050
	5580	18.050
	5700	18.050
	5720	18.050
802.11ac40	5510	37.300
	5550	37.100
	5670	37.100
	5710	37.200
802.11ac80	5530	76.400
	5610	76.400
	5690	76.200

5725-5850MHz

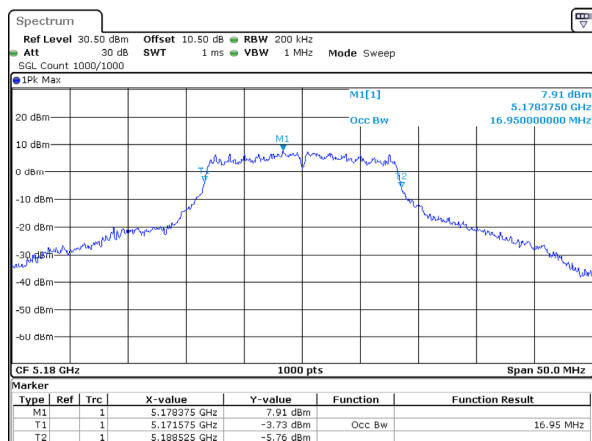
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	17.050
	5785	17.050
	5825	17.050
802.11ac20	5745	18.050
	5785	18.050
	5825	18.050
802.11ac40	5755	37.100
	5795	37
802.11ac80	5775	76.400

Note:

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

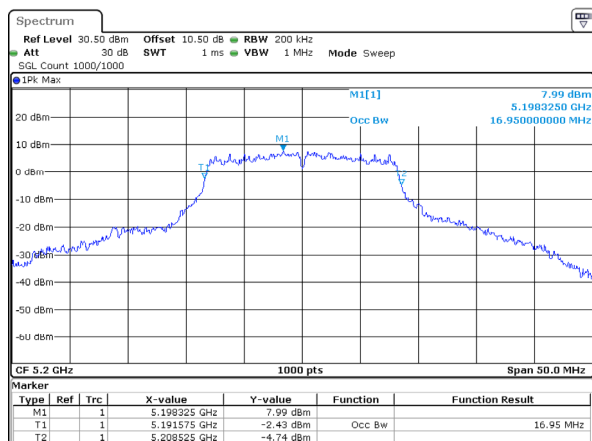
5150-5250MHz

802.11a_5180MHz



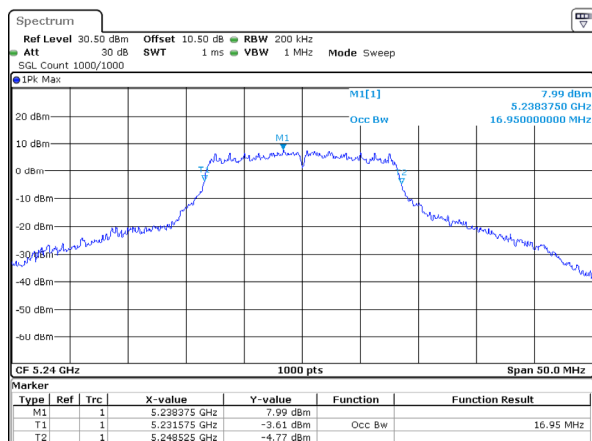
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802.11a_5200MHz



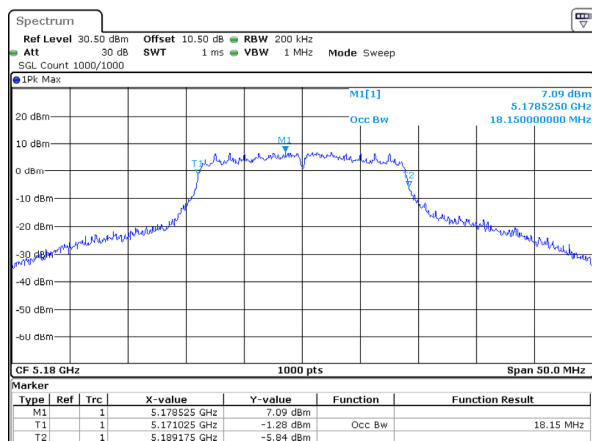
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802.11a_5240MHz



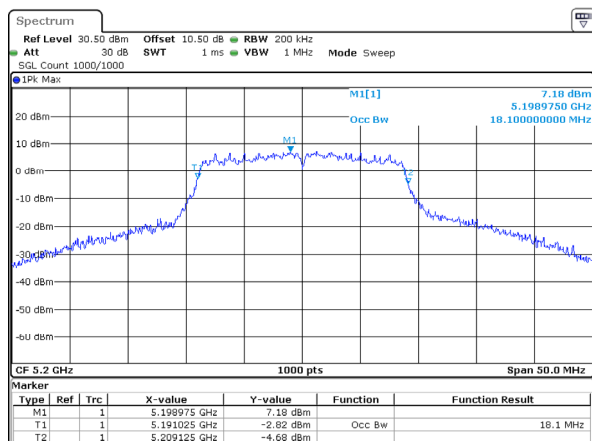
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802.11ac20_5180MHz



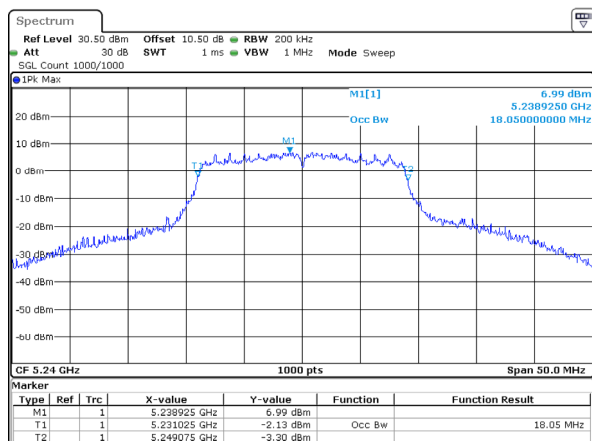
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802.11ac20_5200MHz



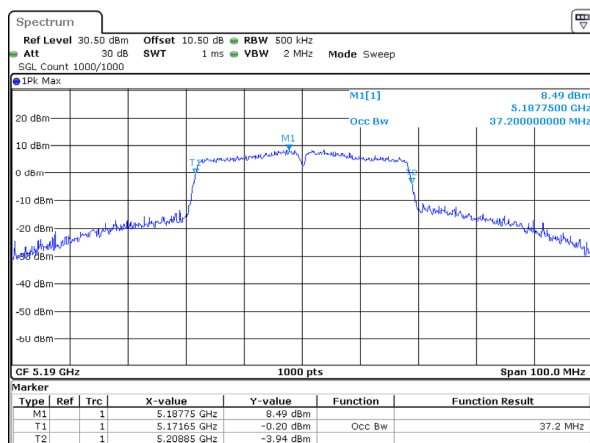
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802.11ac20_5240MHz



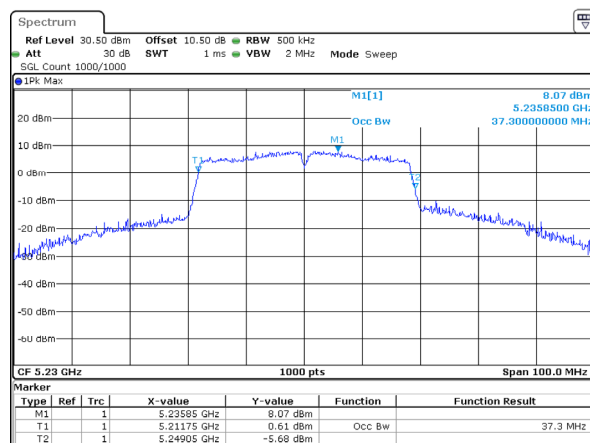
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802.11ac40_5190MHz



ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
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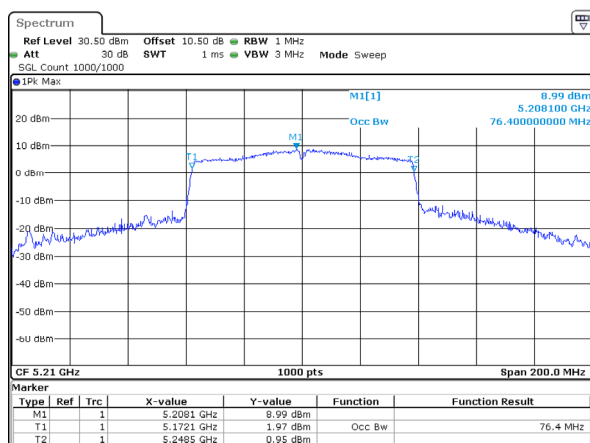
802.11ac40_5230MHz



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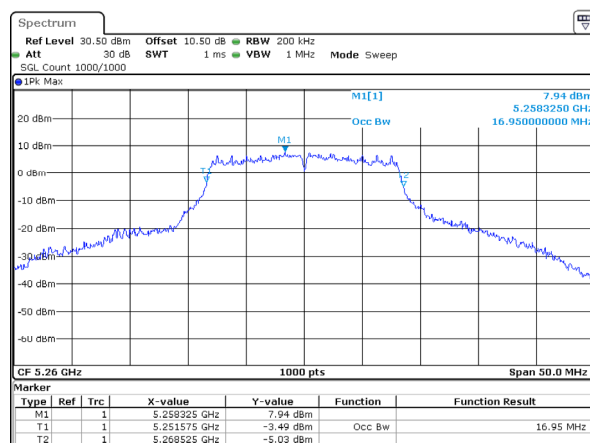
5250-5350MHz

802.11ac80_5210MHz



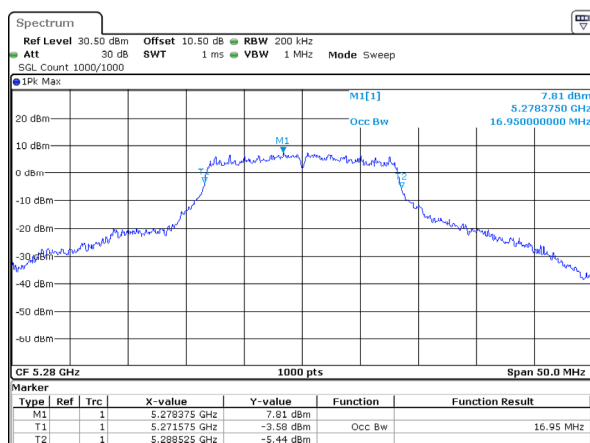
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802.11a_5260MHz



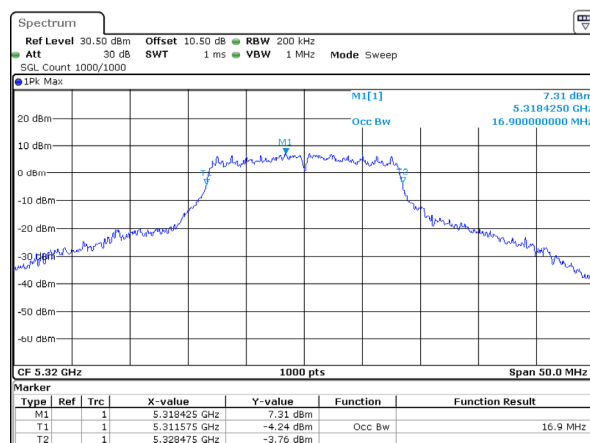
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Date: 24.FEB.2025 15:47:30

802.11a_5280MHz



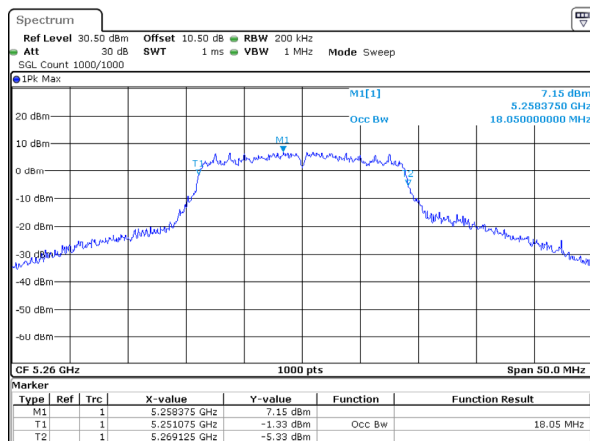
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Date: 24.FEB.2025 15:51:31

802.11a_5320MHz

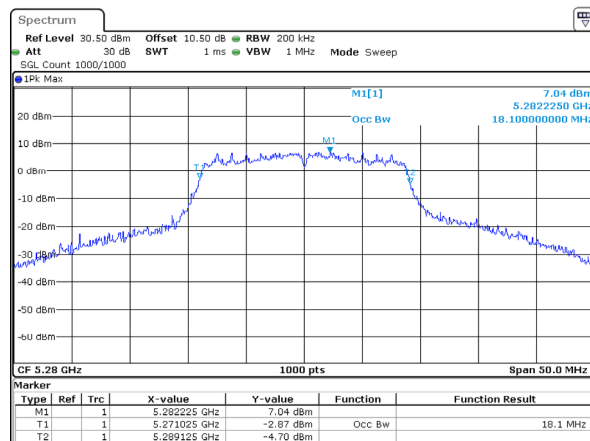


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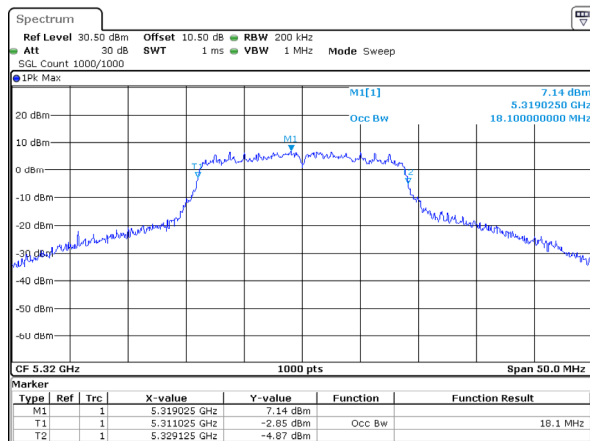
802.11ac20_5260MHz



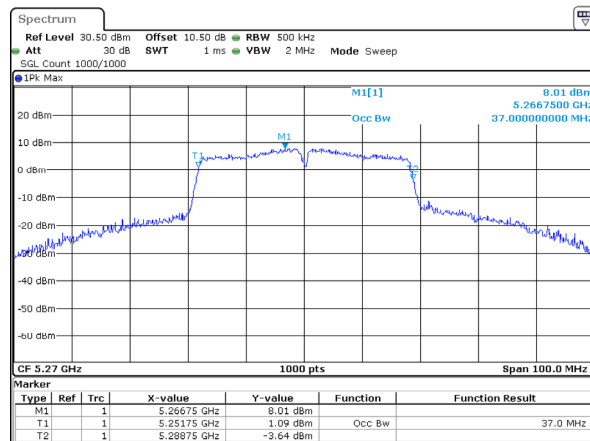
802.11ac20_5280MHz



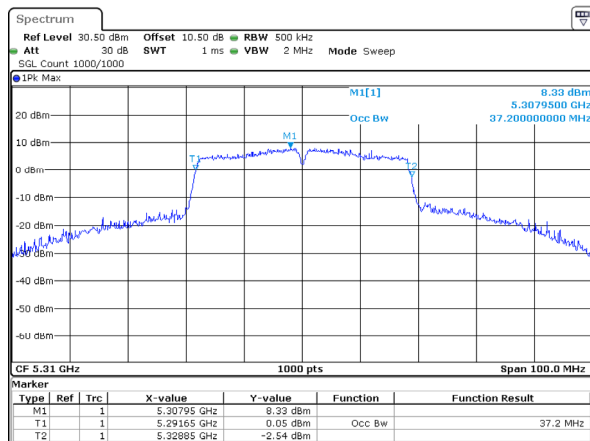
802.11ac20_5320MHz



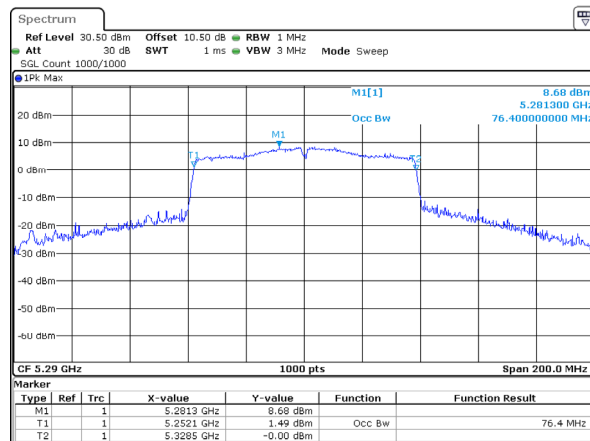
802.11ac40_5270MHz



802.11ac40_5310MHz

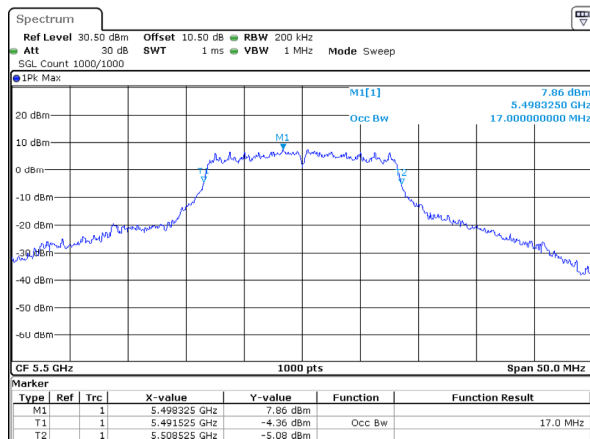


802.11ac80_5290MHz



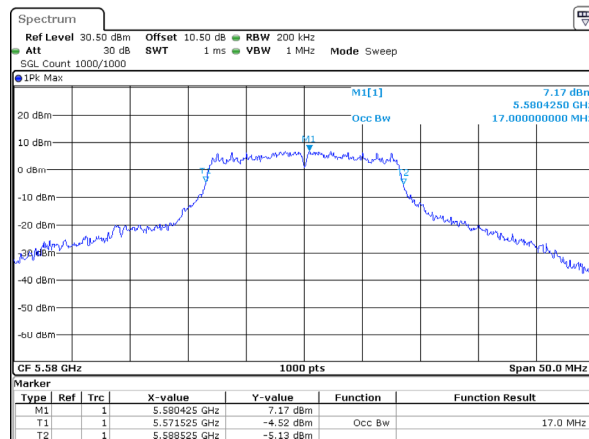
5470-5725MHz

802.11a_5500MHz



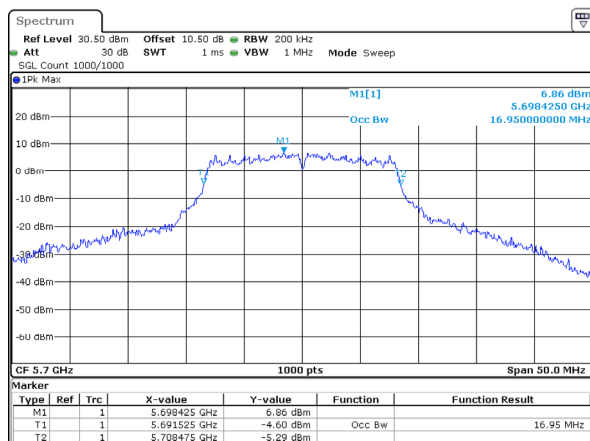
ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 16:11:18

802.11a_5580MHz



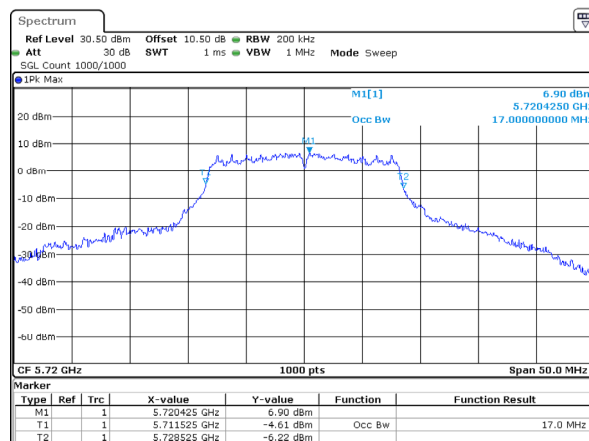
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Date: 24.FEB.2025 16:14:12

802.11a_5700MHz



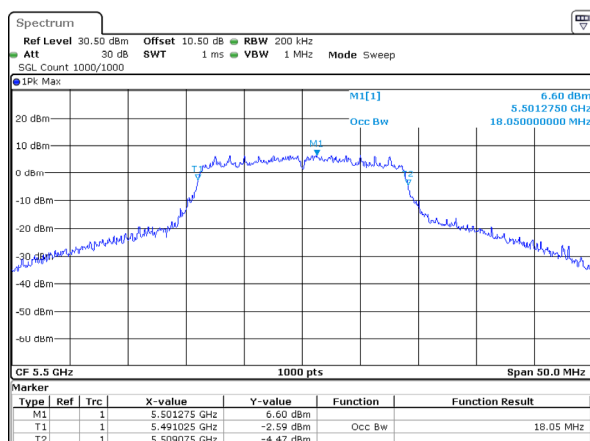
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Date: 24.FEB.2025 16:18:30

802.11a_5720MHz



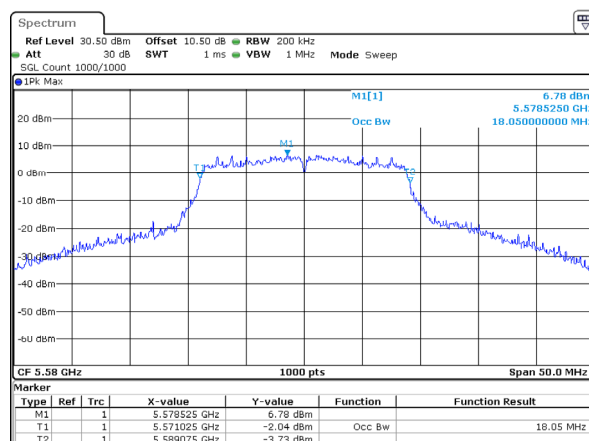
ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 16:24:49

802.11ac20_5500MHz



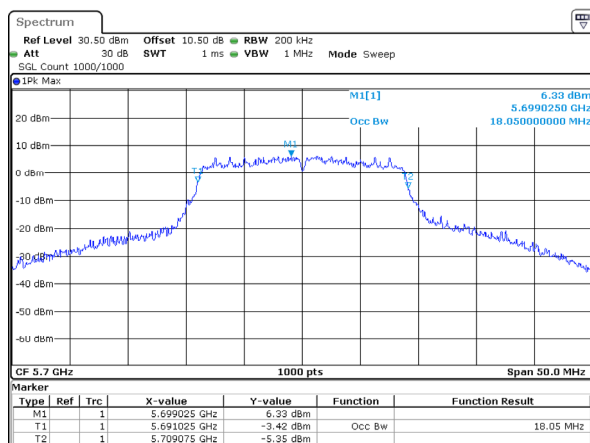
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Date: 24.FEB.2025 16:28:06

802.11ac20_5580MHz

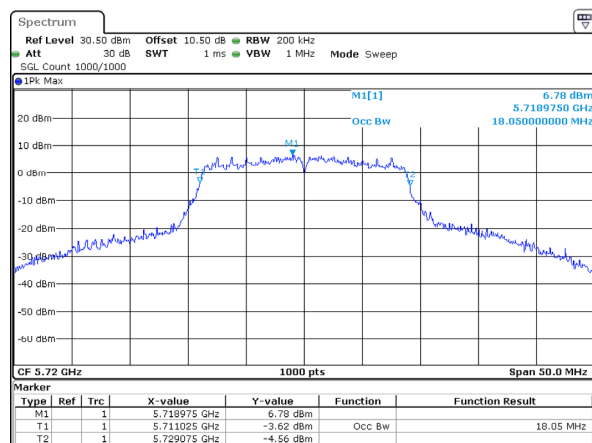


ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 16:30:22

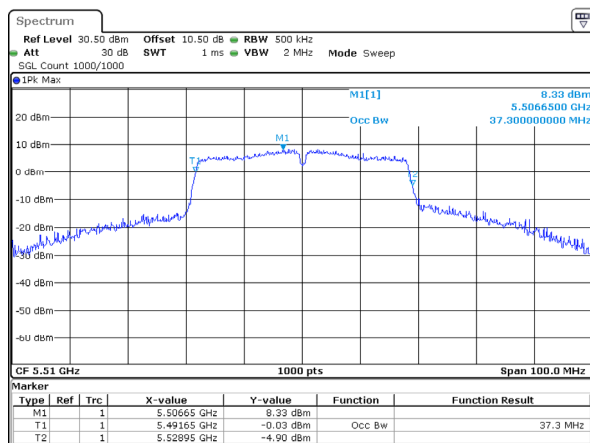
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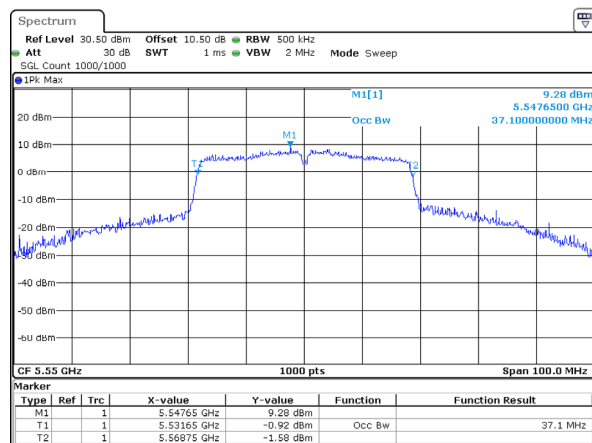
802.11ac20_5720MHz



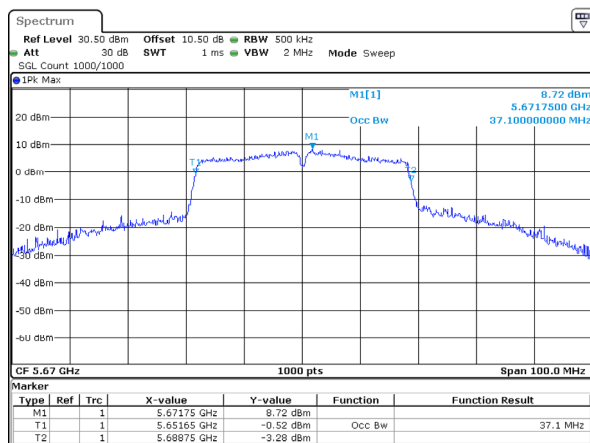
802.11ac40_5510MHz



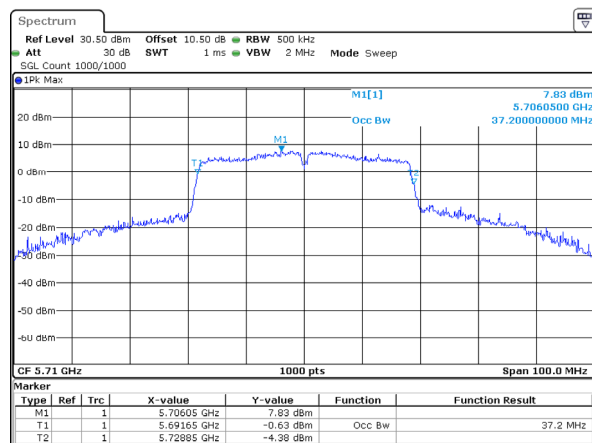
802.11ac40_5550MHz



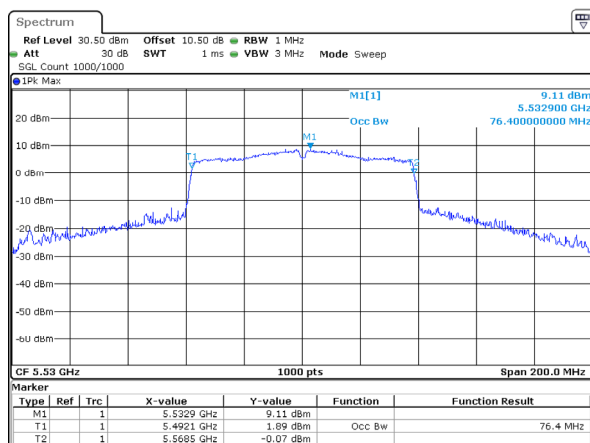
802.11ac40_5670MHz



802.11ac40_5710MHz

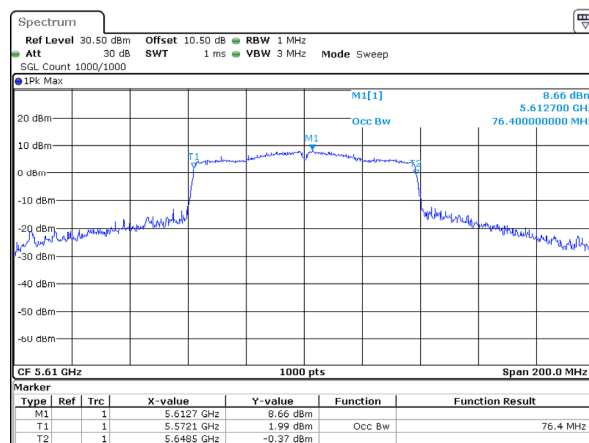


802.11ac80_5530MHz



ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 16:47:08

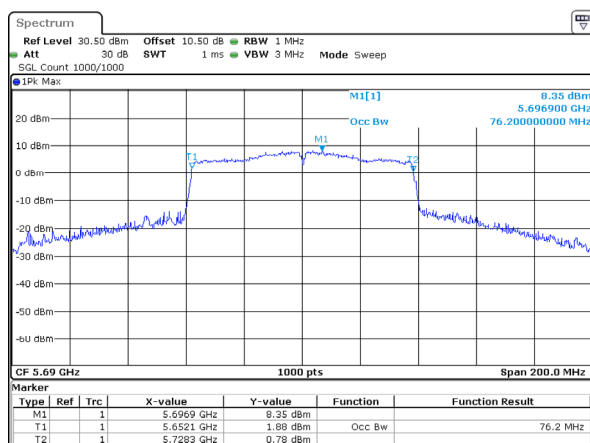
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ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 16:49:25

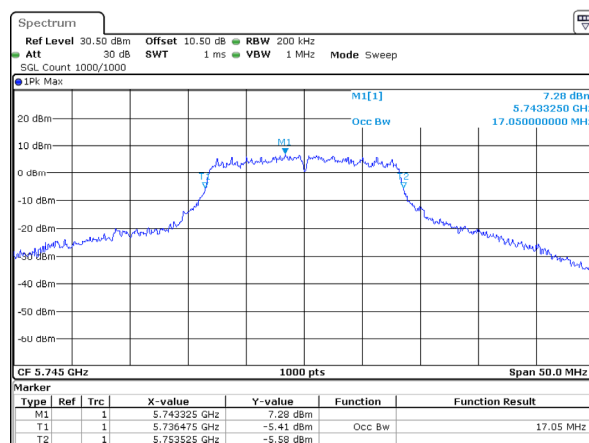
5725-5850MHz

802.11ac80_5690MHz



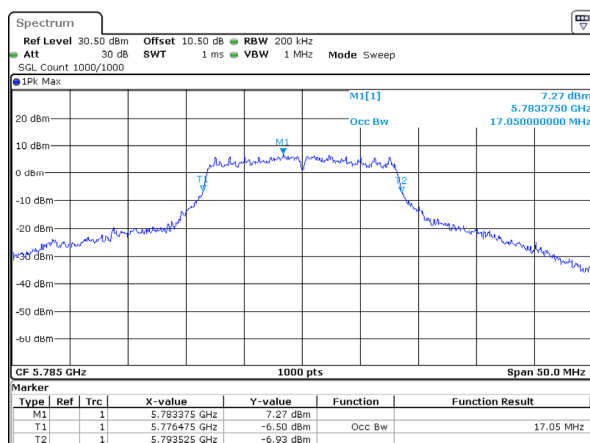
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Date: 24.FEB.2025 16:51:35

802.11a_5745MHz



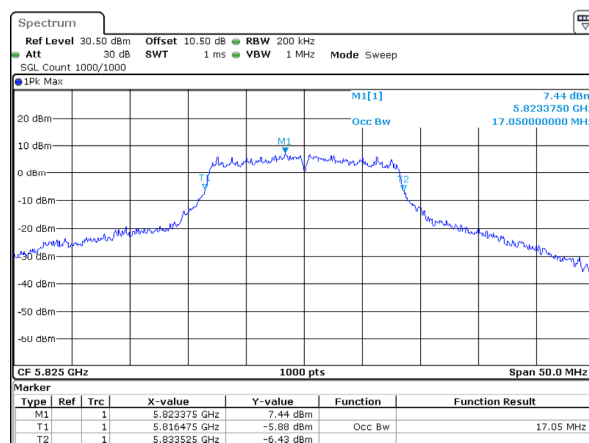
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Date: 24.FEB.2025 16:55:27

802.11a_5785MHz



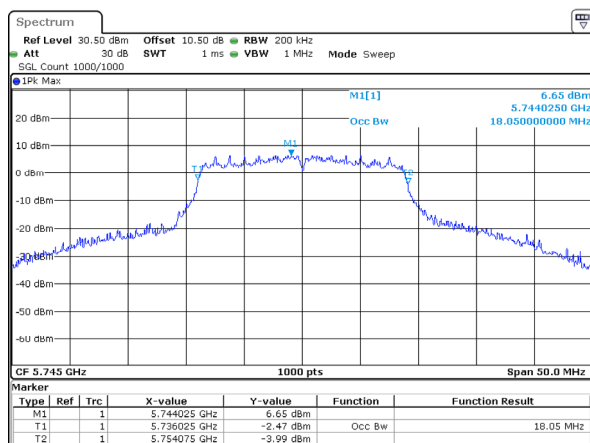
ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 16:58:50

802.11a_5825MHz



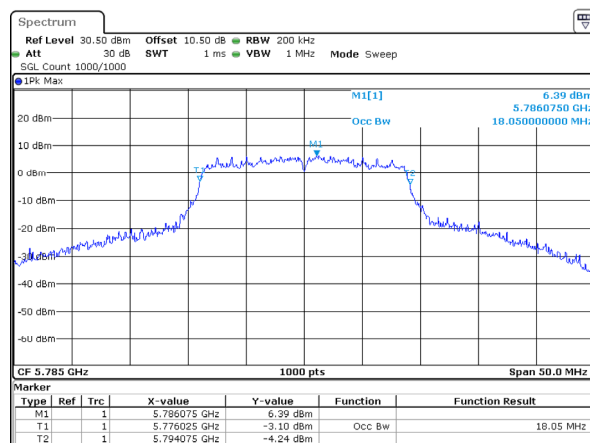
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Date: 24.FEB.2025 17:01:00

802.11ac20_5745MHz



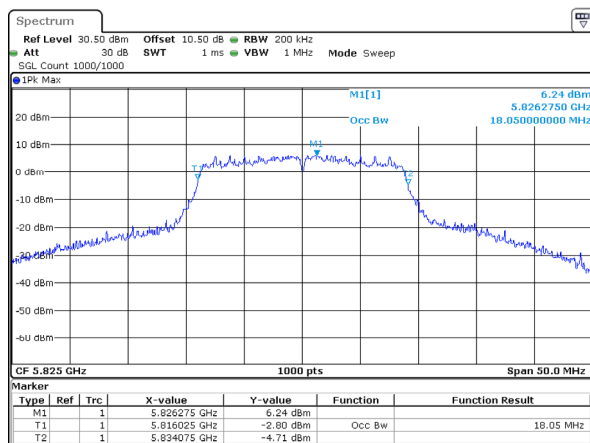
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Date: 24.FEB.2025 17:12:08

802.11ac20_5785MHz



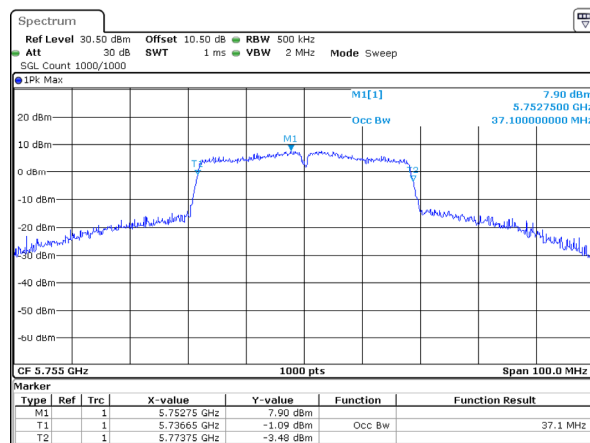
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Date: 24.FEB.2025 17:15:59

802.11ac20_5825MHz



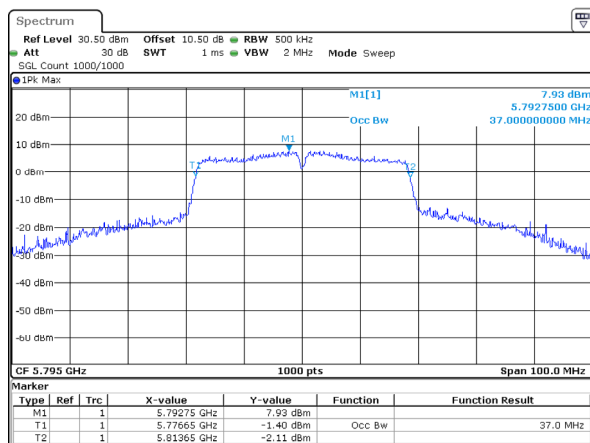
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Date: 24.FEB.2025 17:20:51

802.11ac40_5755MHz



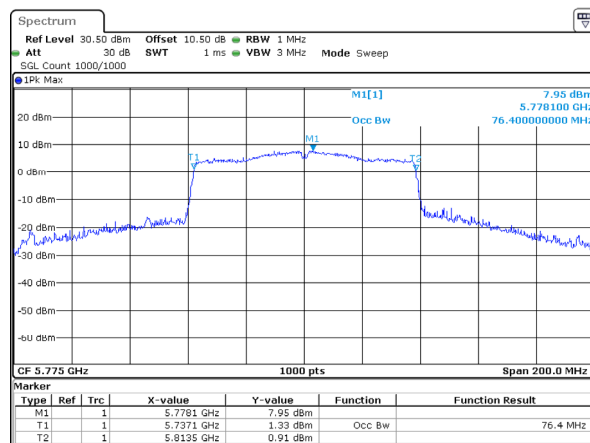
ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 17:22:29

802.11ac40_5795MHz



ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 17:24:34

802.11ac80_5775MHz



ProjectNo.:2501Q31691E-RF-1 Tester:Cheeb Huang
Date: 24.FEB.2025 17:29:50

Maximum Conducted Output Power

5150-5250MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	17.28	23.98	Pass
	5200	17.37	23.98	Pass
	5240	17.33	23.98	Pass
802.11ac20	5180	17.03	23.98	Pass
	5200	17.1	23.98	Pass
	5240	16.81	23.98	Pass
802.11ac40	5190	17.23	23.98	Pass
	5230	17.17	23.98	Pass
802.11ac80	5210	16.88	23.98	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5260	17.25	23.98	Pass
	5280	17.22	23.98	Pass
	5320	17.06	23.98	Pass
802.11ac20	5260	16.81	23.98	Pass
	5280	16.67	23.98	Pass
	5320	16.83	23.98	Pass
802.11ac40	5270	16.86	23.98	Pass
	5310	17.08	23.98	Pass
802.11ac80	5290	16.51	23.98	Pass