

Appendix B: Module YL43456

Test Information:

Sample No.:	2Y1O-1	Test Date:	2025/02/21~2025/02/23
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24	Relative Humidity: (%)	46	ATM Pressure: (kPa)	101
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Emission Bandwidth

26dB Emission Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	21.402
	5200	21.565
	5240	21.356
802.11ac20	5180	21.761
	5200	21.705
	5240	21.648
802.11ac40	5190	40.040
	5230	40.440
802.11ac80	5210	82.082

5250-5350MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5260	21.459
	5280	21.455
	5320	21.408
802.11ac20	5260	21.810
	5280	21.979
	5320	21.921
802.11ac40	5270	40.140
	5310	40.440
802.11ac80	5290	82.282

5470-5725MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5500	21.446
	5580	21.457
	5700	21.510
	5720	21.404
802.11ac20	5500	21.744
	5580	21.660
	5700	21.603
	5720	21.976
802.11ac40	5510	40.541
	5550	40.240
	5670	40.240
	5710	40.240
802.11ac80	5530	81.882
	5610	81.882
	5690	82.683

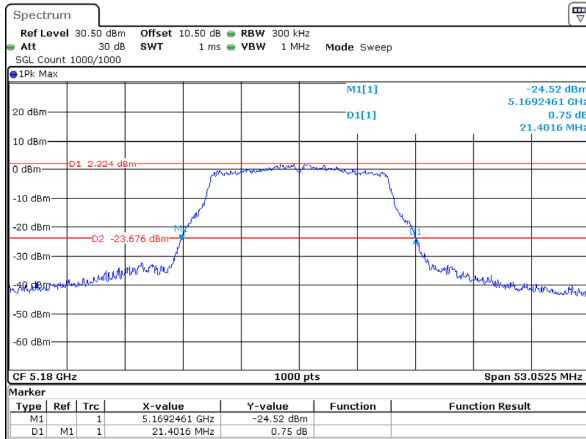
6dB Emission Bandwidth

5725-5850MHz

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	16.466	0.5	Pass
	5785	16.416	0.5	Pass
	5825	16.366	0.5	Pass
802.11ac20	5745	17.668	0.5	Pass
	5785	17.668	0.5	Pass
	5825	17.568	0.5	Pass
802.11ac40	5755	35.536	0.5	Pass
	5795	35.936	0.5	Pass
802.11ac80	5775	75.676	0.5	Pass

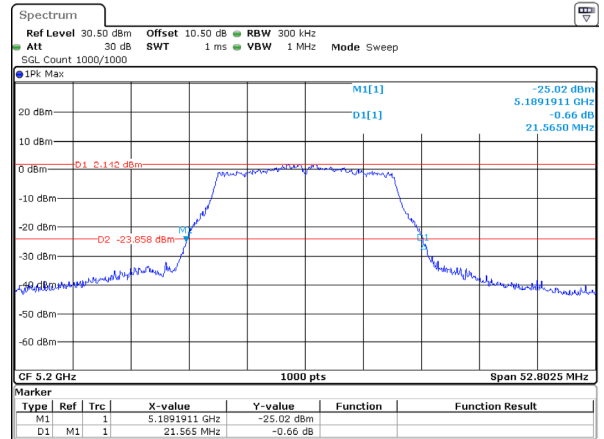
5150-5250MHz

802.11a_5180MHz



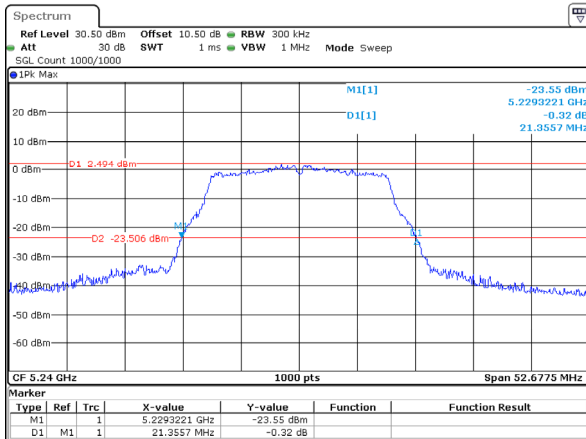
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Date: 23.FEB.2025 21:16:17

802.11a_5200MHz



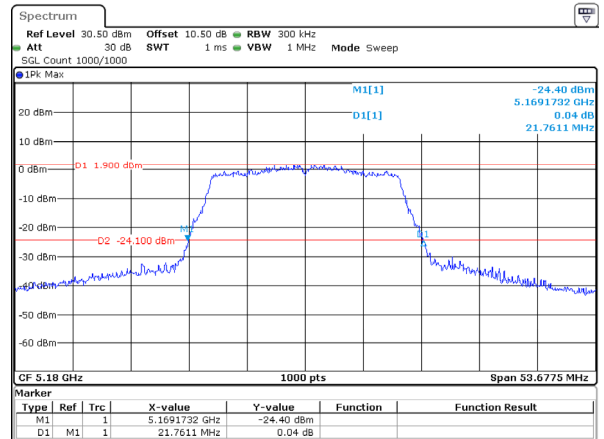
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802.11a_5240MHz



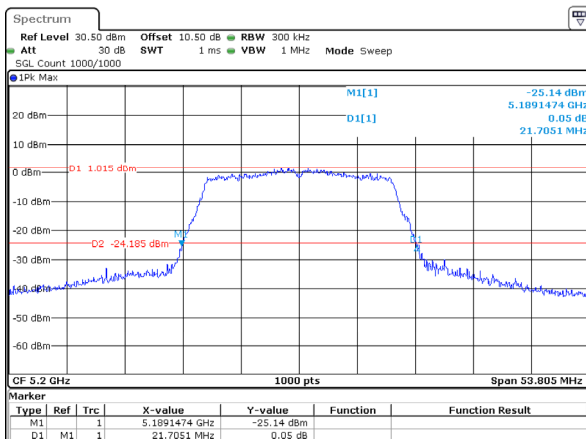
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802.11ac20_5180MHz



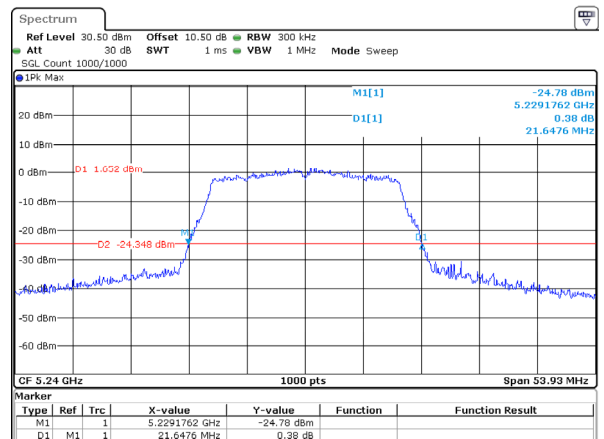
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802.11ac20_5200MHz



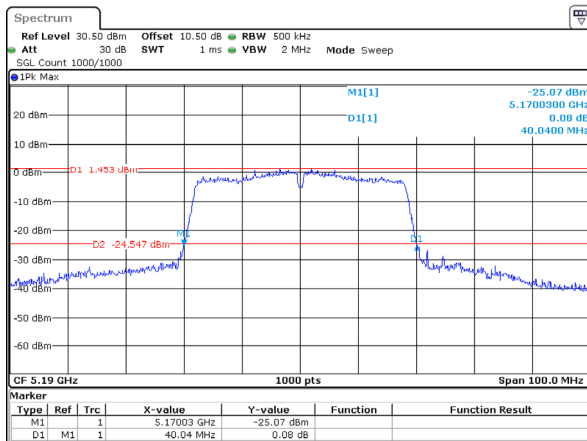
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802.11ac20_5240MHz



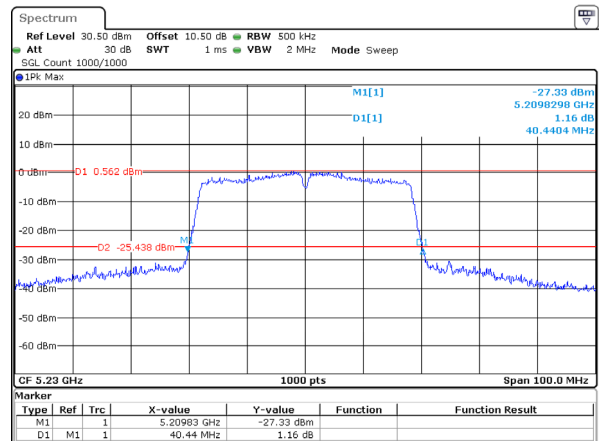
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Date: 23.FEB.2025 21:31:44

802.11ac40_5190MHz



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Date: 23.FEB.2025 21:34:15

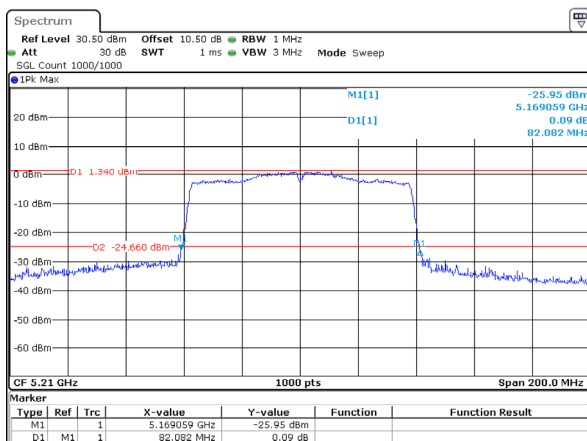
802.11ac40_5230MHz



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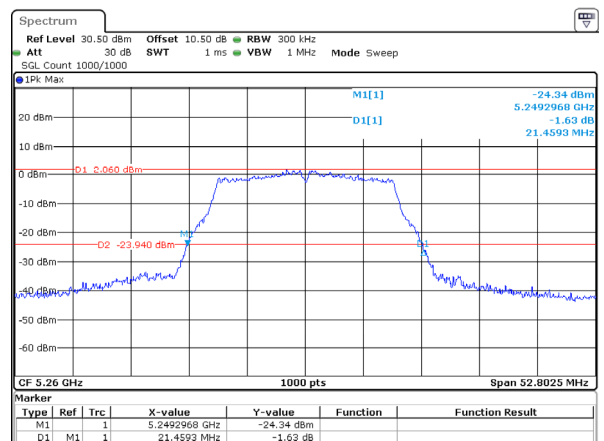
5250-5350MHz

802.11ac80_5210MHz



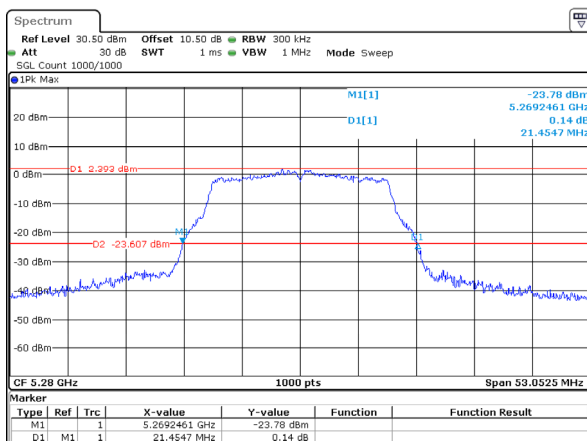
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802.11a_5260MHz



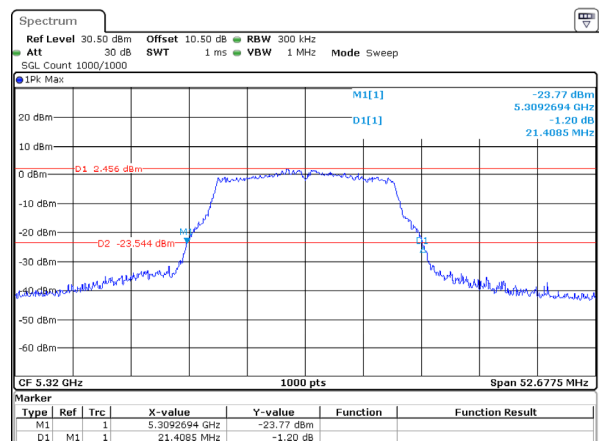
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802.11a_5280MHz



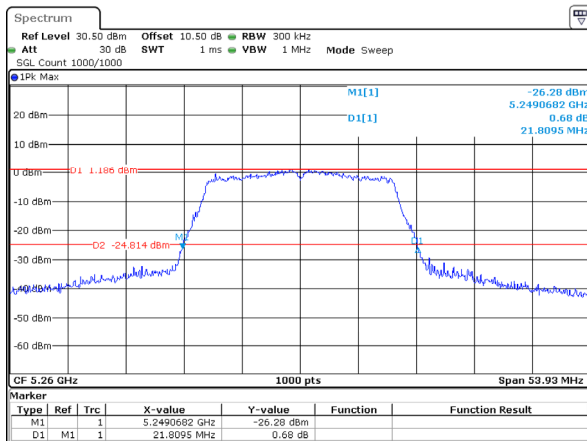
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802.11a_5320MHz



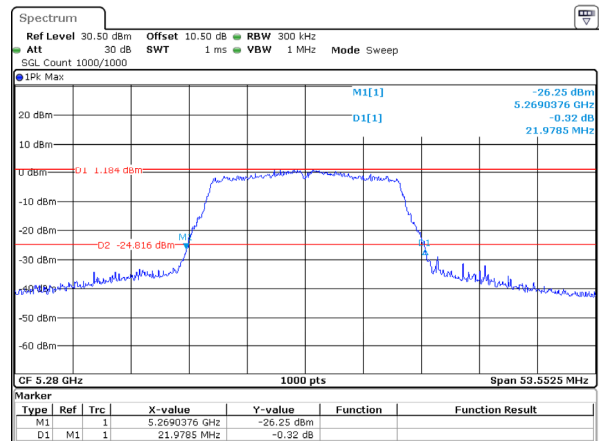
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802.11ac20_5260MHz



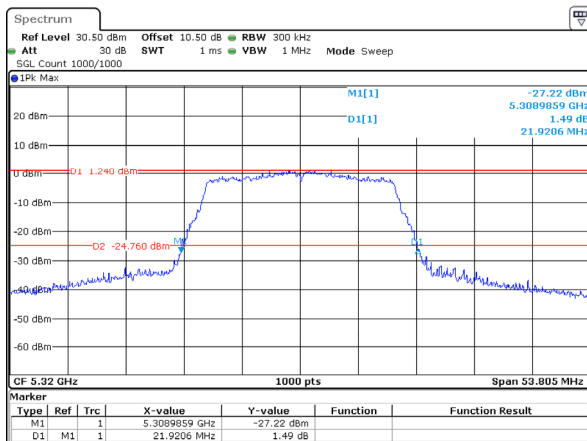
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802.11ac20_5280MHz



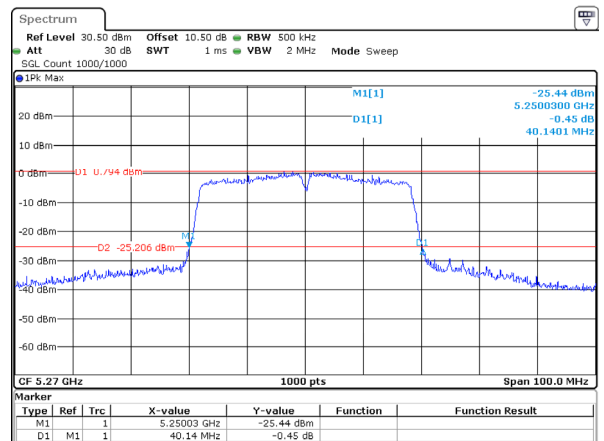
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802.11ac20_5320MHz



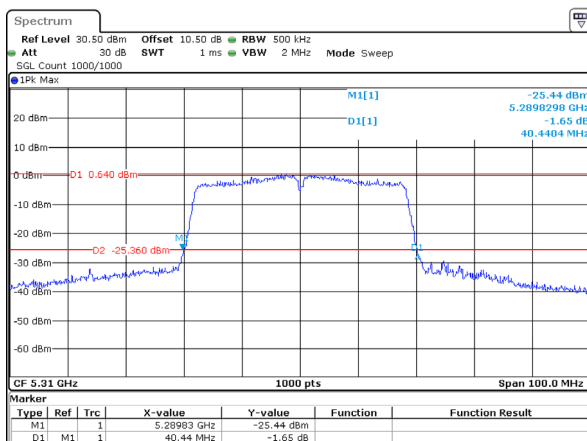
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802.11ac40_5270MHz



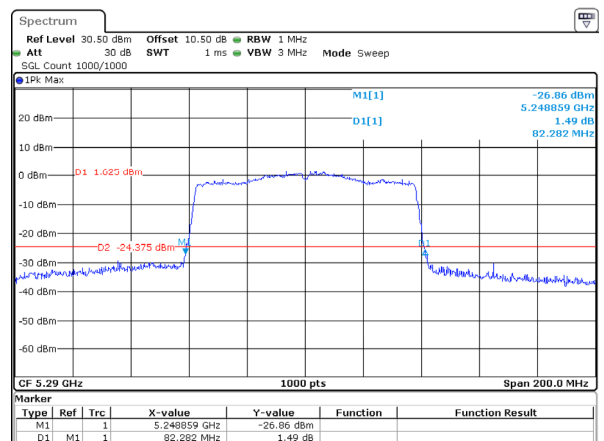
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802.11ac40_5310MHz



ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:21:37

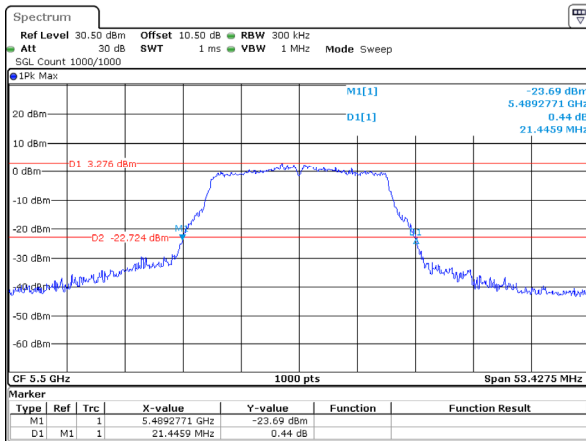
802.11ac80_5290MHz



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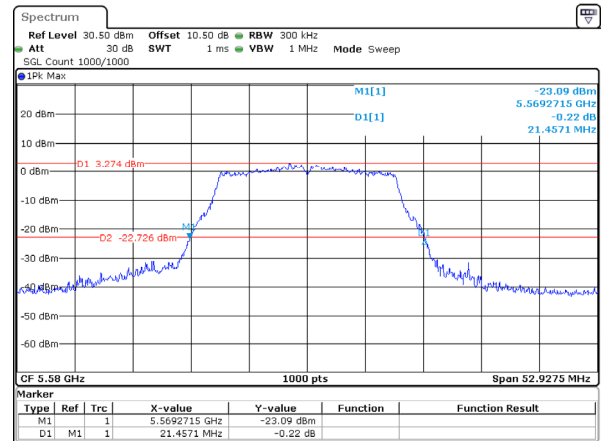
5470-5725MHz

802.11a_5500MHz



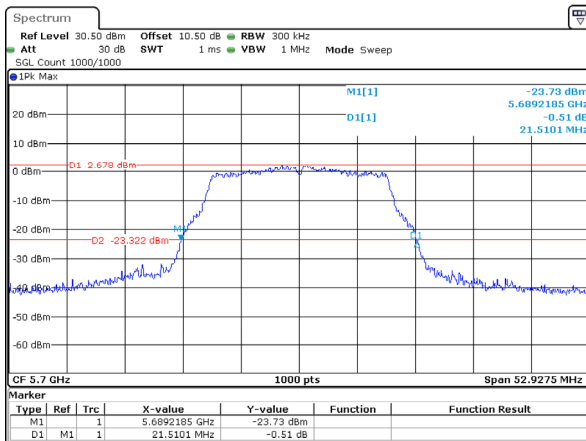
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802.11a_5580MHz



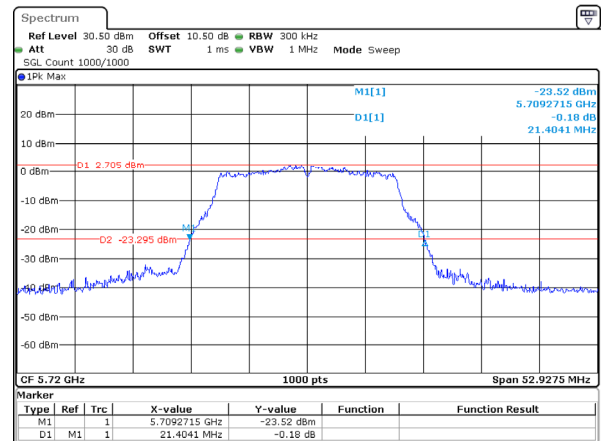
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802.11a_5700MHz



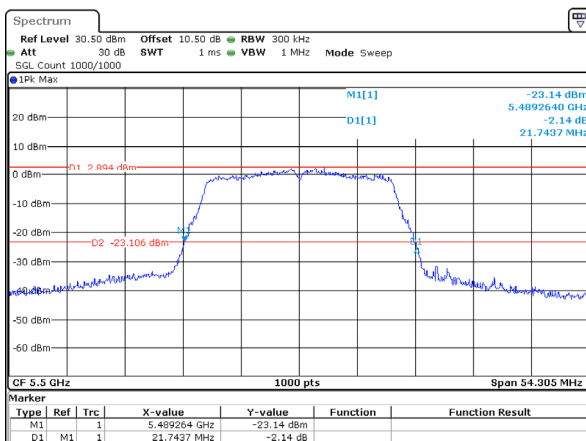
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802.11a_5720MHz



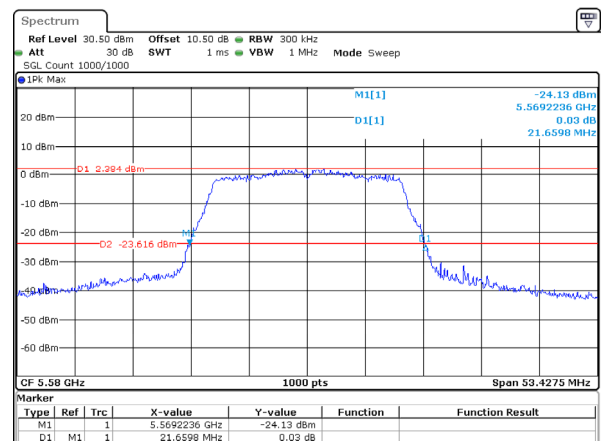
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802.11ac20_5500MHz



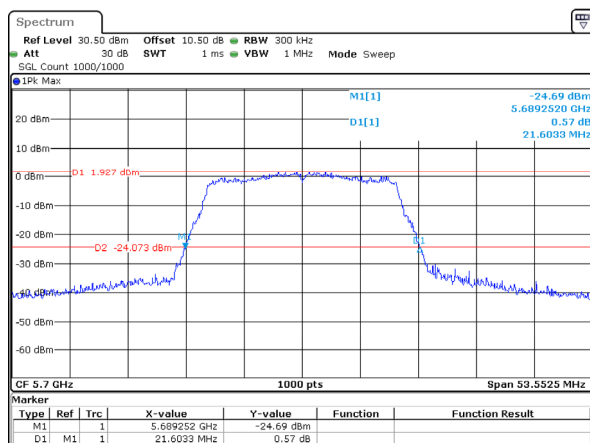
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802.11ac20_5580MHz



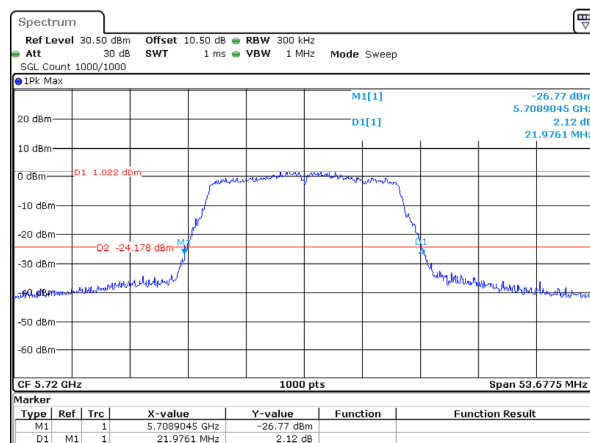
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802.11ac20_5700MHz



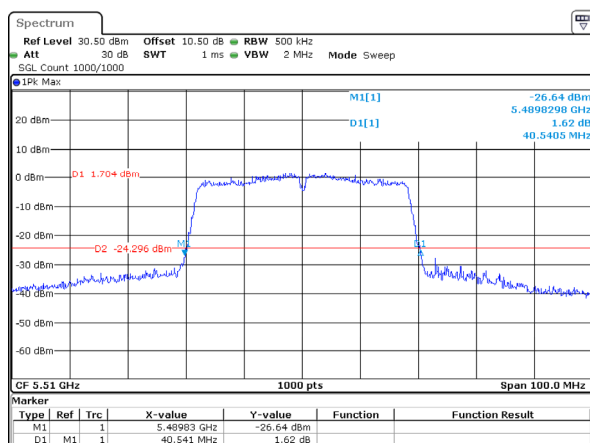
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802.11ac20_5720MHz



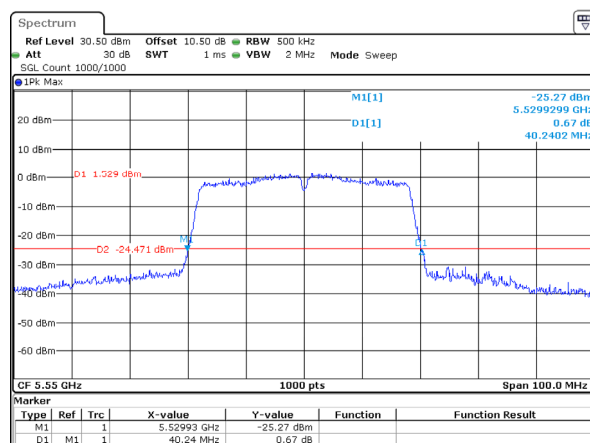
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802.11ac40_5510MHz



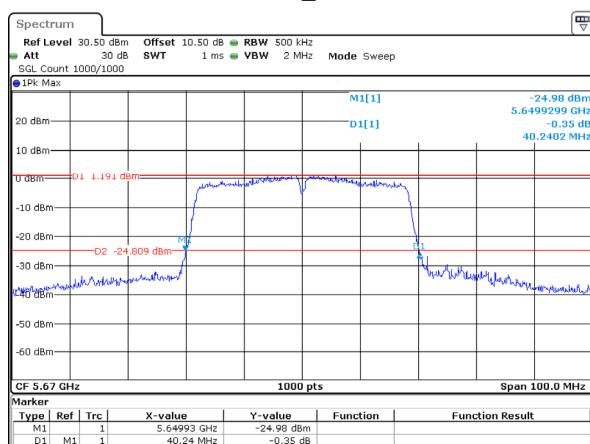
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802.11ac40_5550MHz



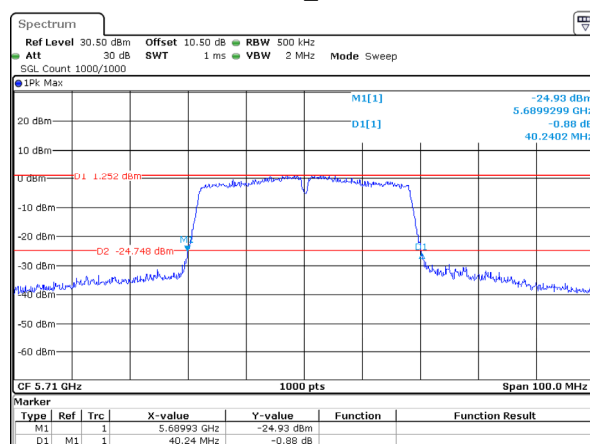
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802.11ac40_5670MHz



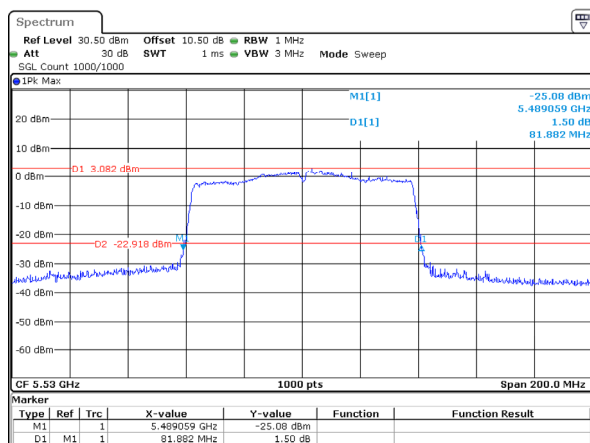
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802.11ac40_5710MHz



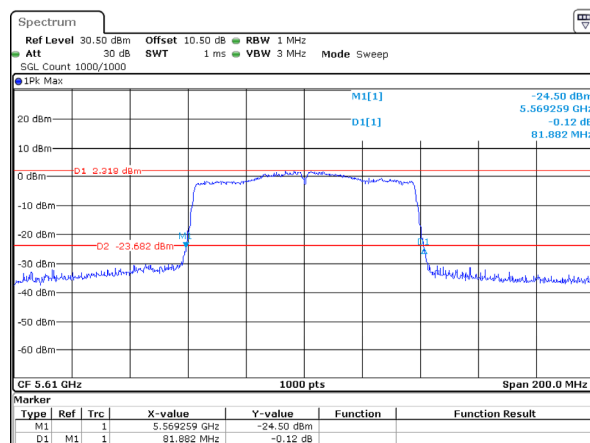
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802.11ac80_5530MHz



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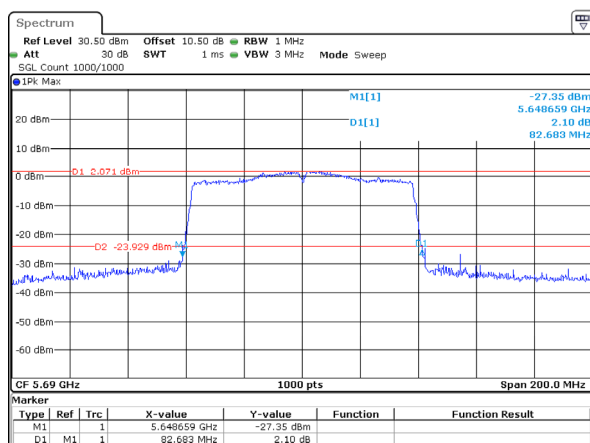
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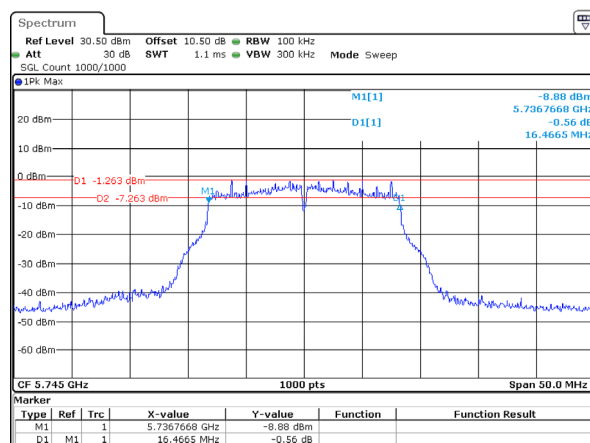
5725-5850MHz

802.11ac80_5690MHz



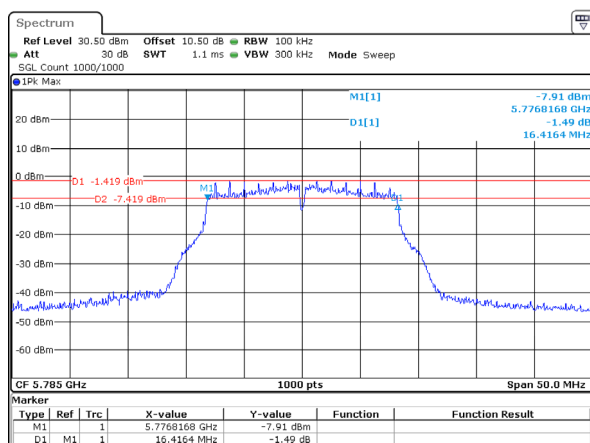
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802.11a_5745MHz



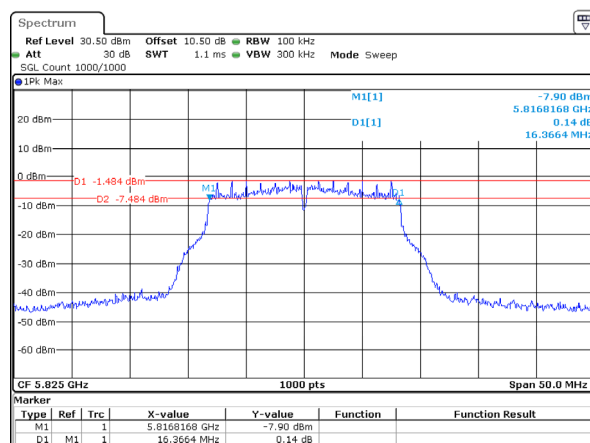
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802.11a_5785MHz



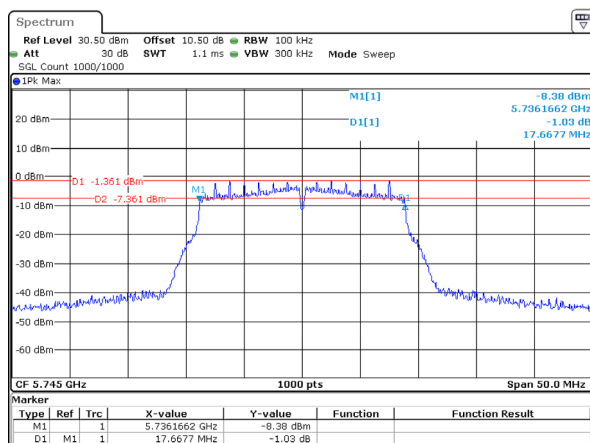
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802.11a_5825MHz



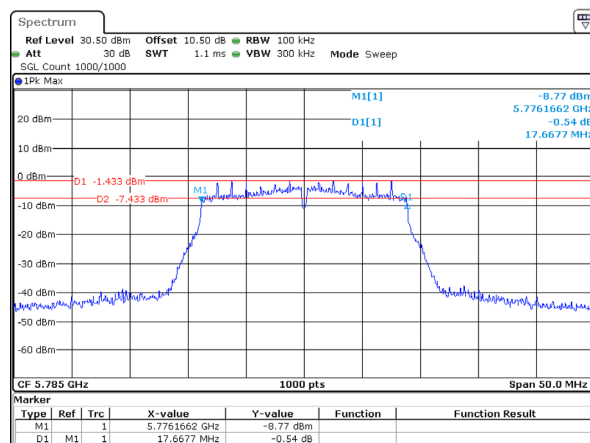
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802.11ac20_5745MHz



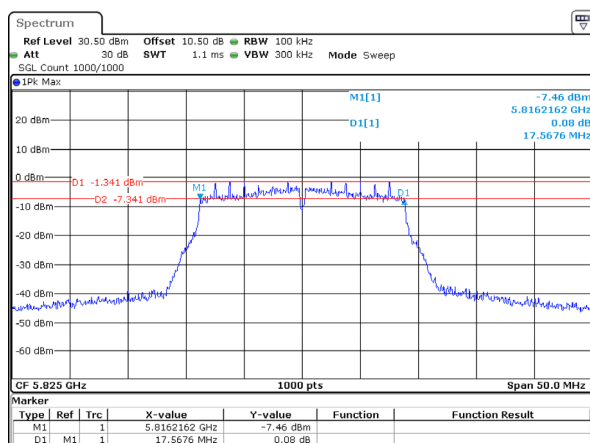
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802.11ac20_5785MHz



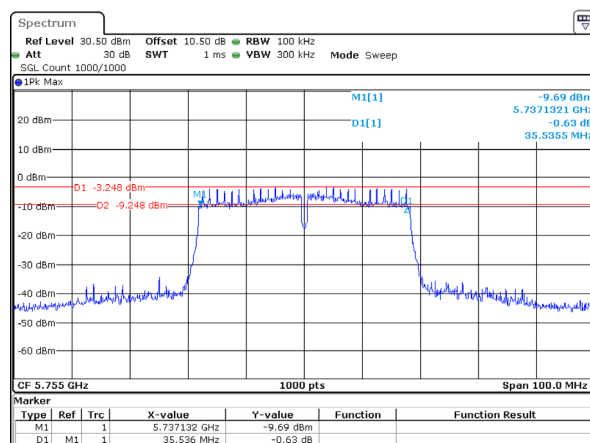
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802.11ac20_5825MHz



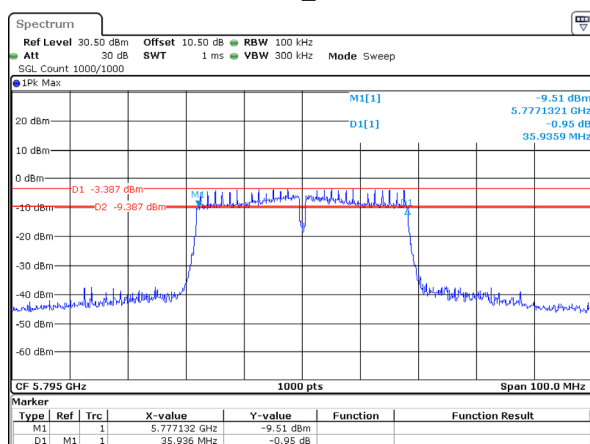
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802.11ac40_5755MHz



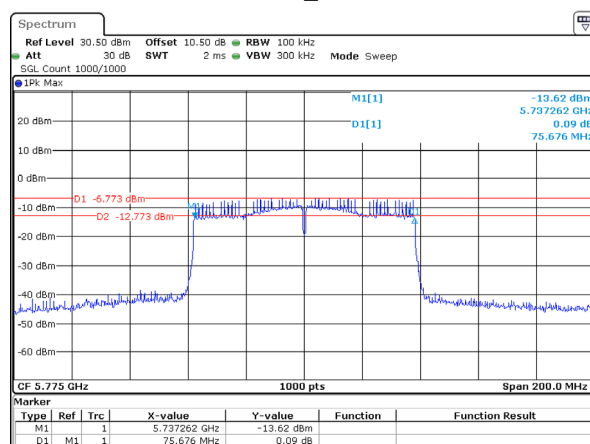
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802.11ac40_5795MHz



ProjectNo.:2501P30411E-RF-1 Tester:Brian LI
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802.11ac80_5775MHz



ProjectNo.:2501P30411E-RF-1 Tester:Brian LI
Date: 23.FEB.2025 23:52:18

99% Occupied Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.600
	5200	16.600
	5240	16.600
802.11ac20	5180	17.800
	5200	17.800
	5240	17.850
802.11ac40	5190	36.400
	5230	36.400
802.11ac80	5210	75.600

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	16.650
	5280	16.650
	5320	16.650
802.11ac20	5260	17.800
	5280	17.800
	5320	17.800
802.11ac40	5270	36.400
	5310	36.400
802.11ac80	5290	75.600

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	16.650
	5580	16.650
	5700	16.650
	5720	16.650
802.11ac20	5500	17.800
	5580	17.800
	5700	17.850
	5720	17.850
802.11ac40	5510	36.400
	5550	36.400
	5670	36.400
	5710	36.400
802.11ac80	5530	75.600
	5610	75.600
	5690	75.600

5725-5850MHz

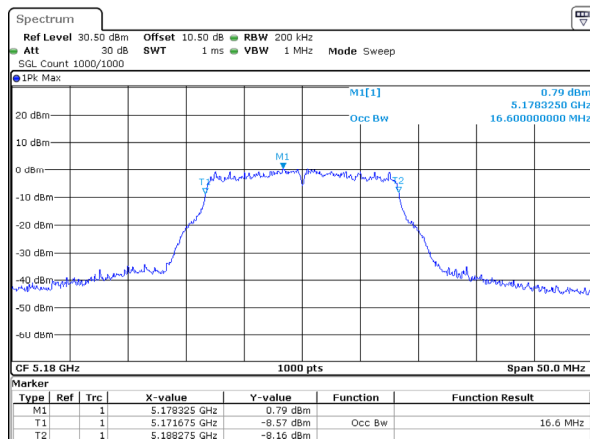
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.650
	5785	16.650
	5825	16.650
802.11ac20	5745	17.800
	5785	17.850
	5825	17.850
802.11ac40	5755	36.400
	5795	36.400
802.11ac80	5775	75.800

Note:

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

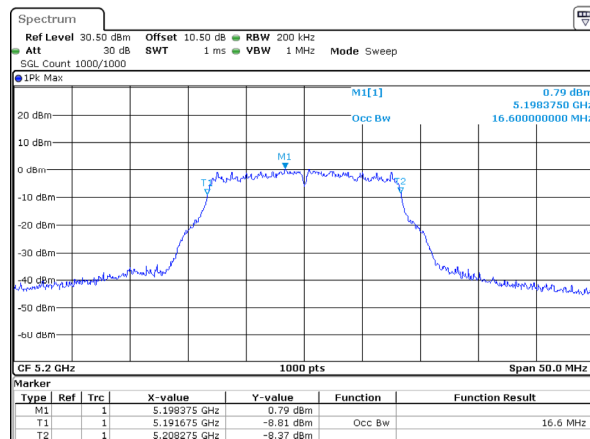
5150-5250MHz

802.11a_5180MHz



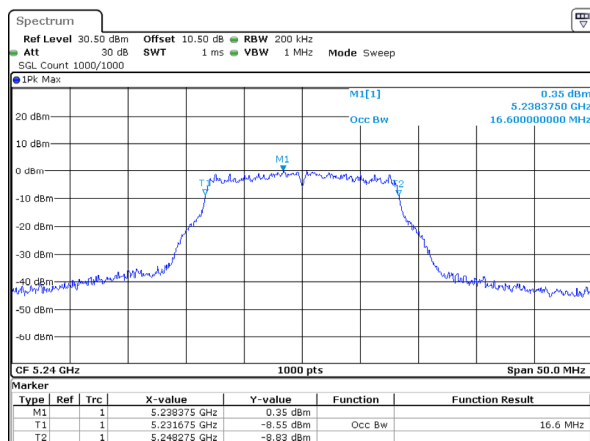
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802.11a_5200MHz



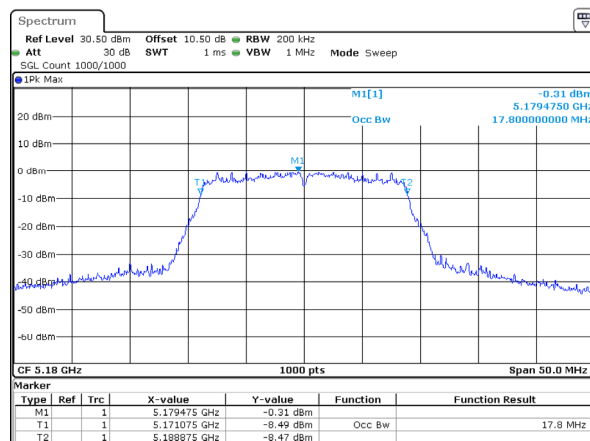
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802.11a_5240MHz



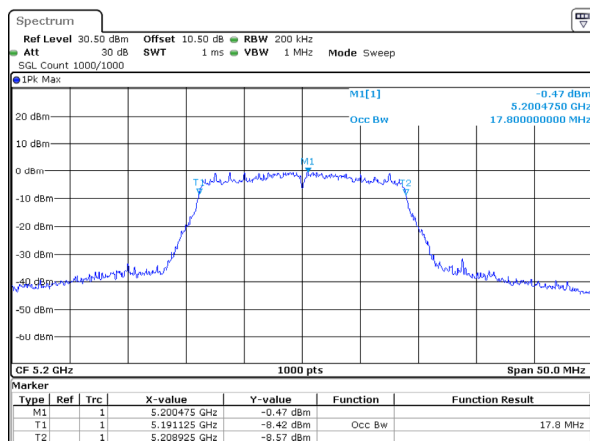
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802.11ac20_5180MHz



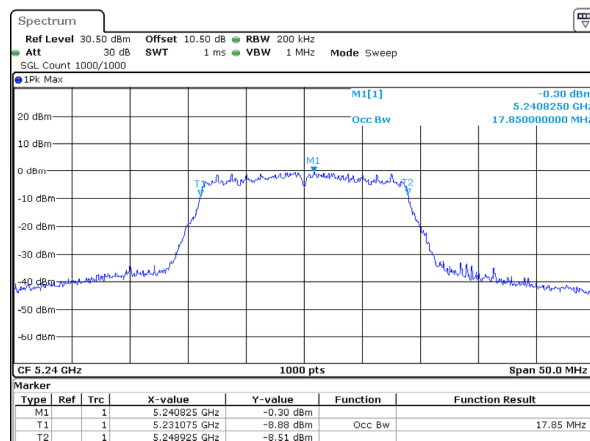
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802.11ac20_5200MHz



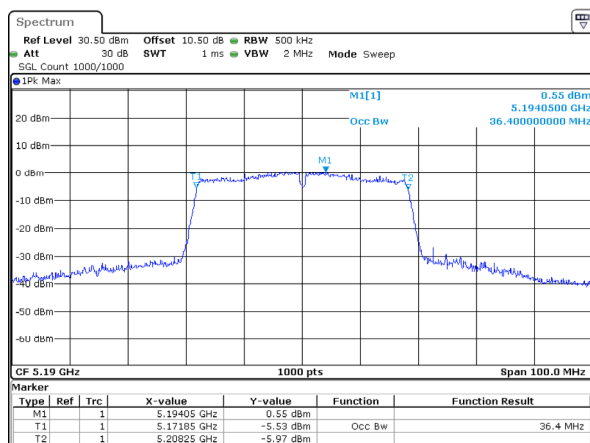
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802.11ac20_5240MHz



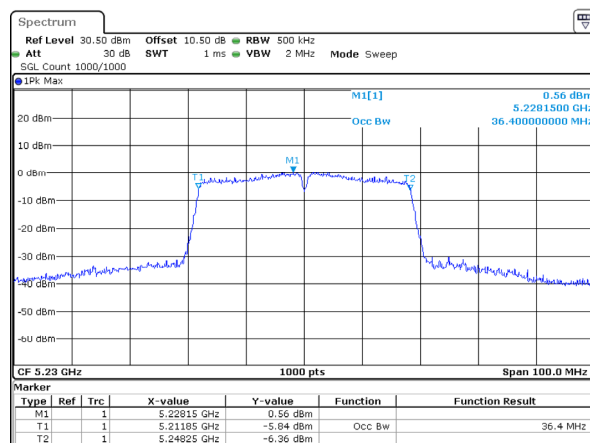
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802.11ac40_5190MHz



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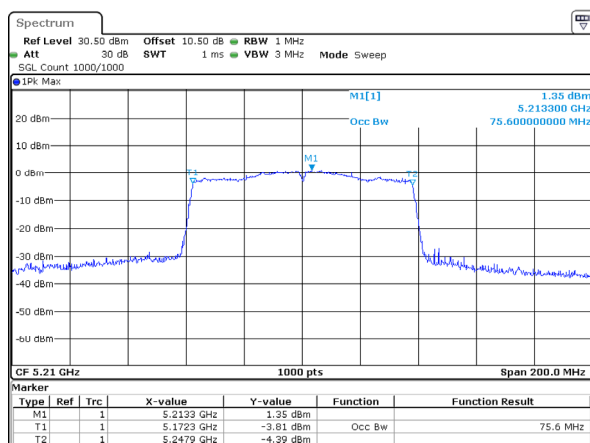
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ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 21:38:29

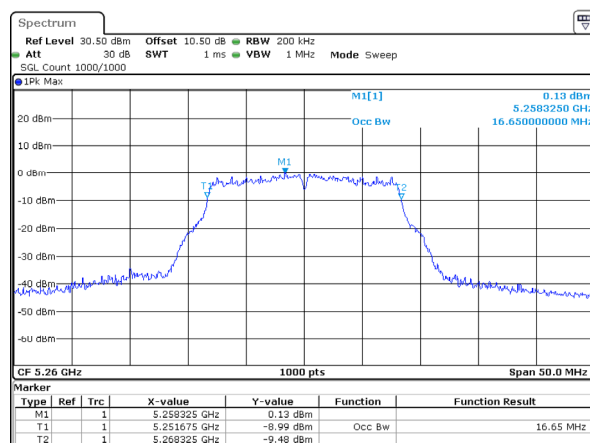
5250-5350MHz

802.11ac80_5210MHz



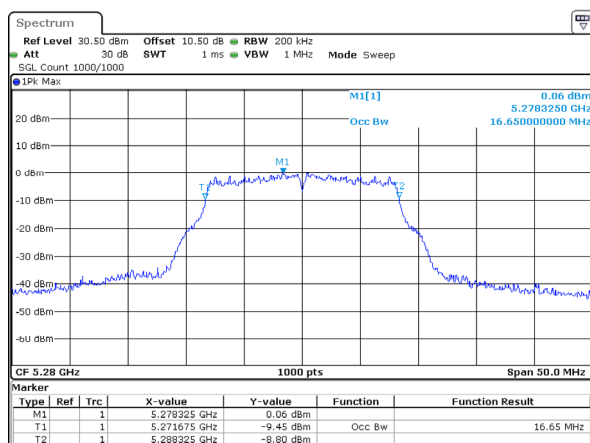
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 21:48:55

802.11a_5260MHz



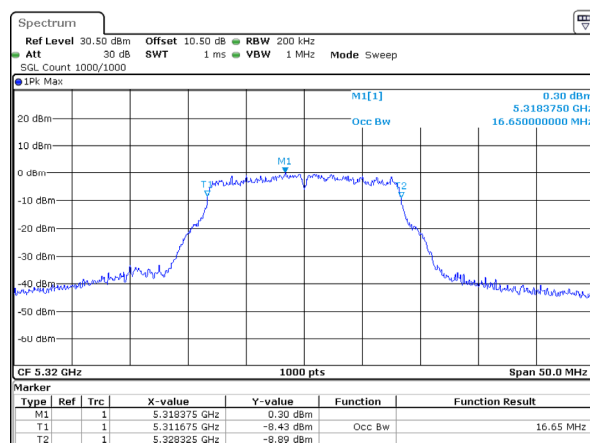
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 21:52:23

802.11a_5280MHz



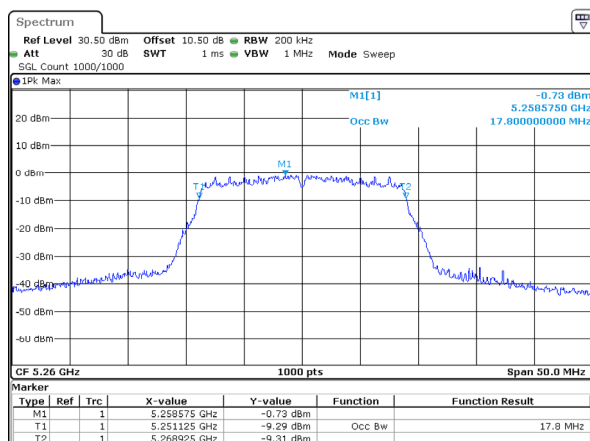
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 21:56:40

802.11a_5320MHz



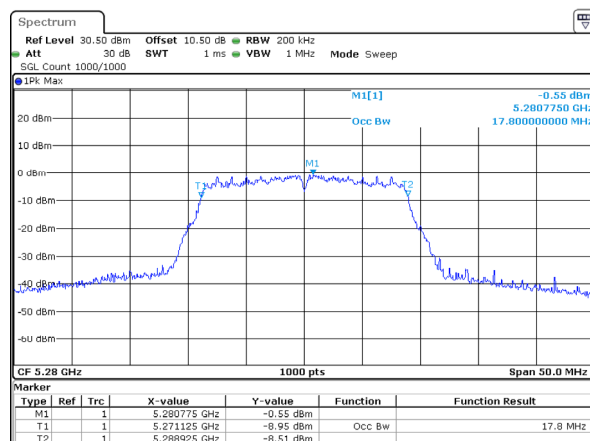
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:00:01

802.11ac20_5260MHz



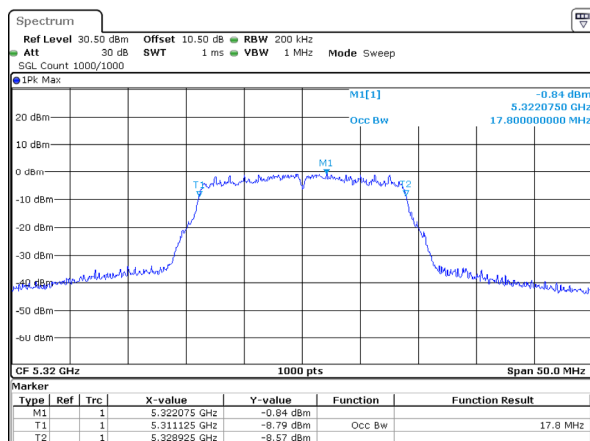
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:06:49

802.11ac20_5280MHz



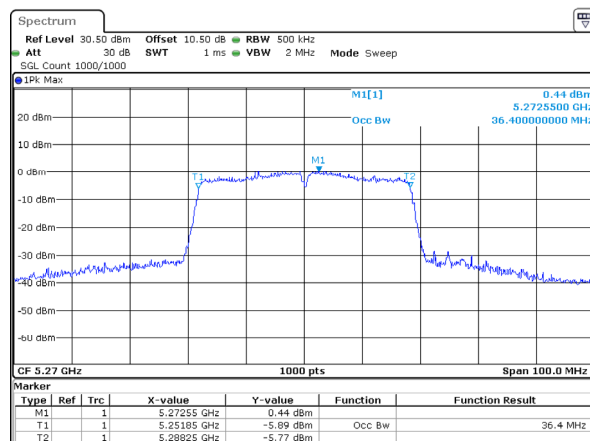
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:13:05

802.11ac20_5320MHz



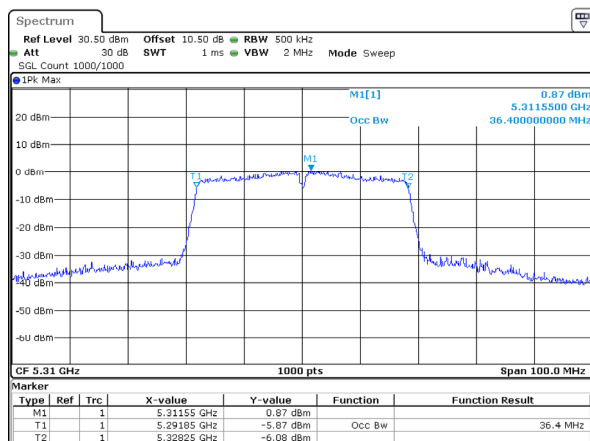
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:15:06

802.11ac40_5270MHz



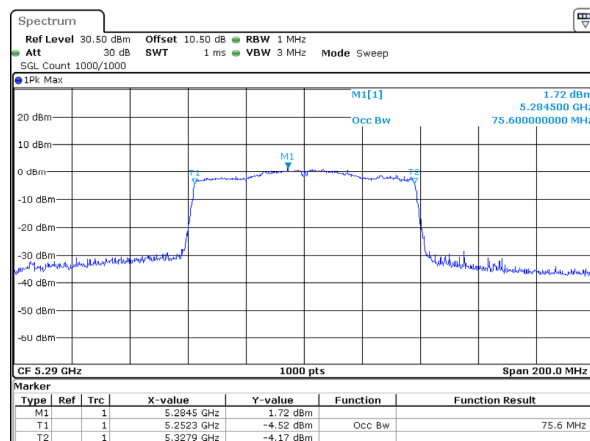
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:19:47

802.11ac40_5310MHz



ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:22:00

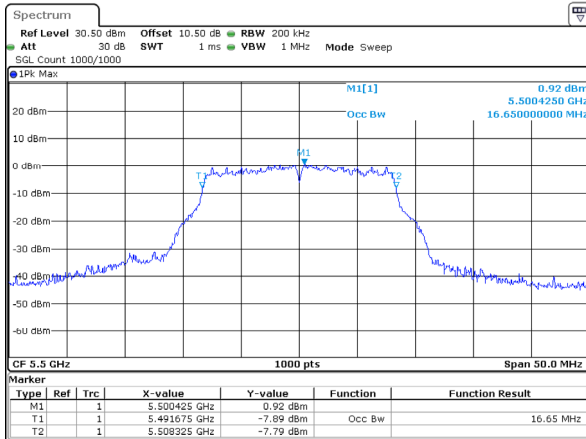
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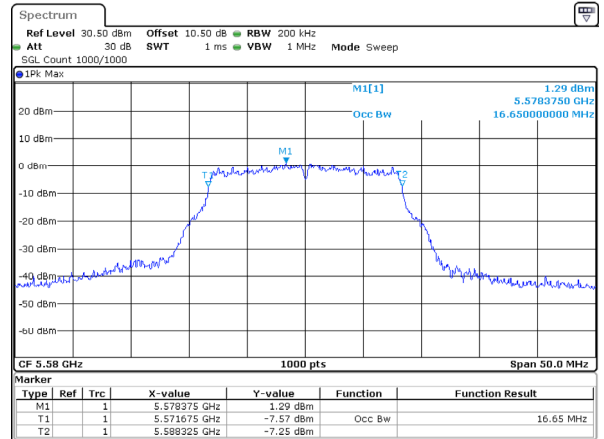
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Date: 23.FEB.2025 22:24:06

5470-5725MHz

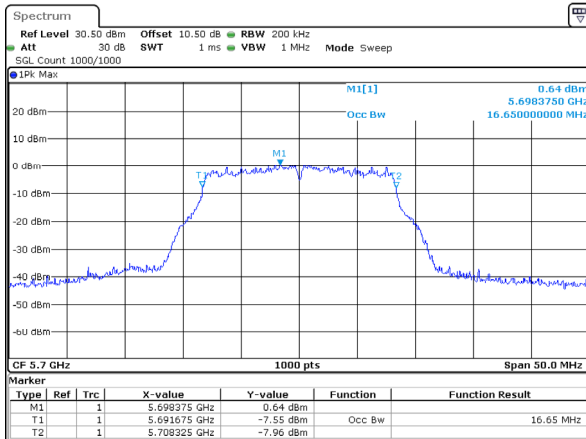
802.11a_5500MHz



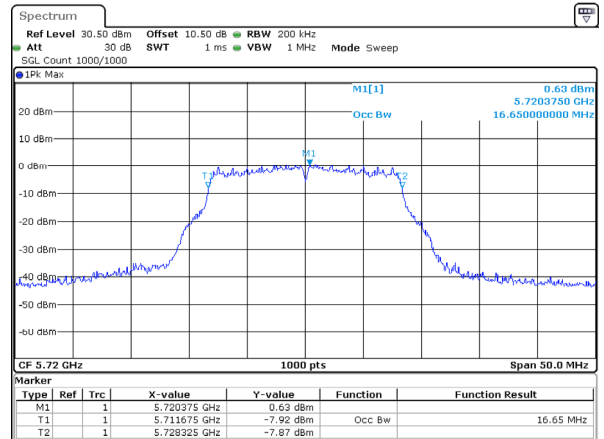
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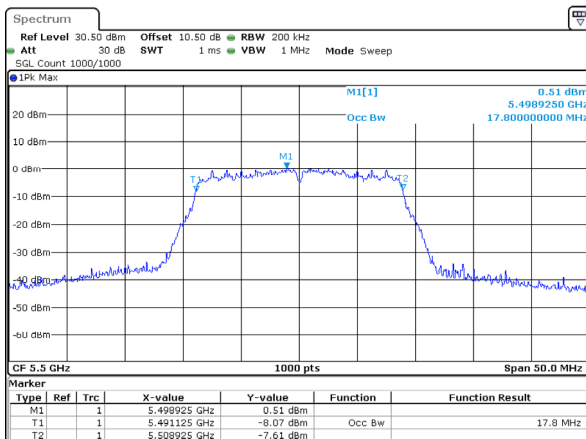
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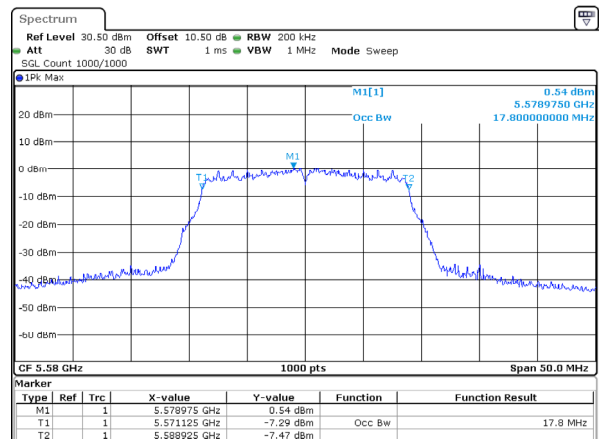
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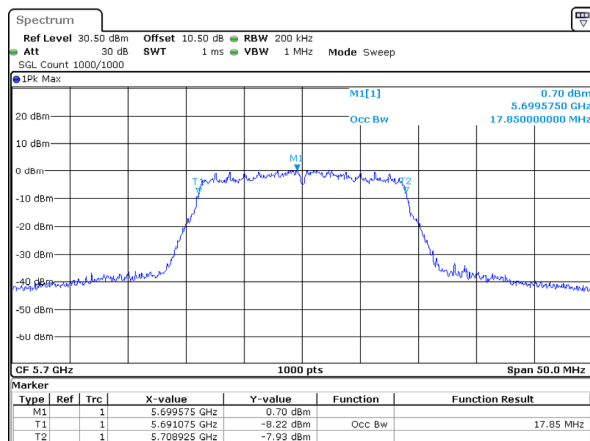
802.11ac20_5500MHz



802.11ac20_5580MHz

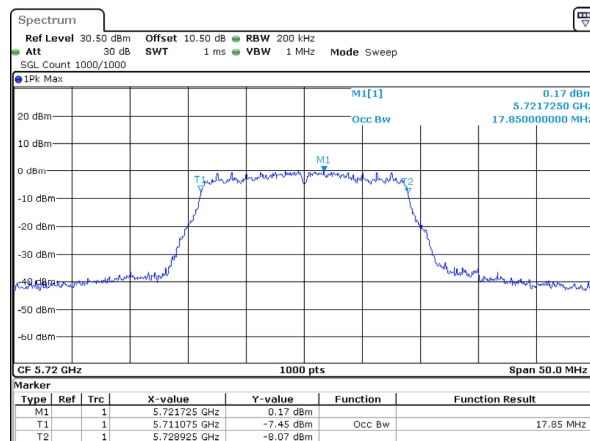


802.11ac20_5700MHz



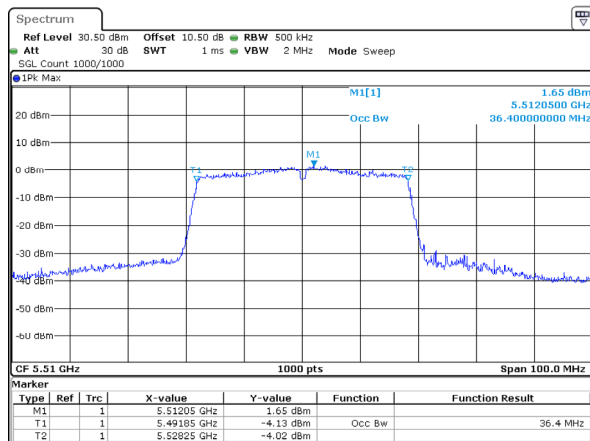
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:52:07

802.11ac20_5720MHz



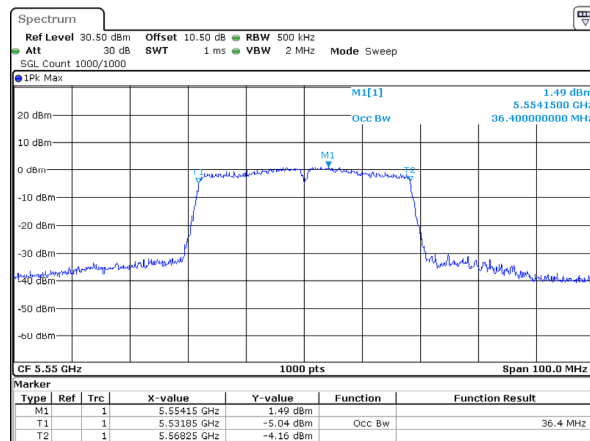
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 22:57:47

802.11ac40_5510MHz



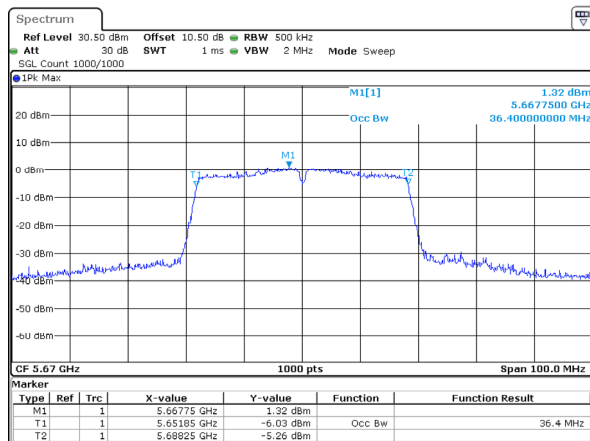
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 23:00:35

802.11ac40_5550MHz



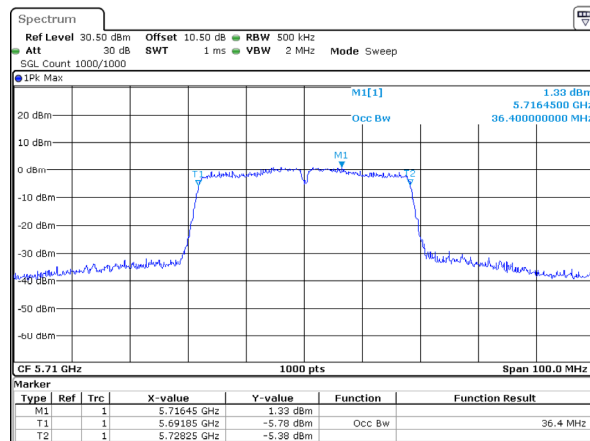
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 23:03:50

802.11ac40_5670MHz



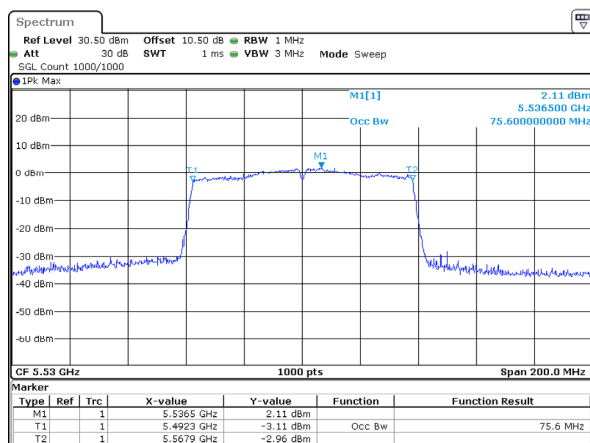
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 23:06:33

802.11ac40_5710MHz



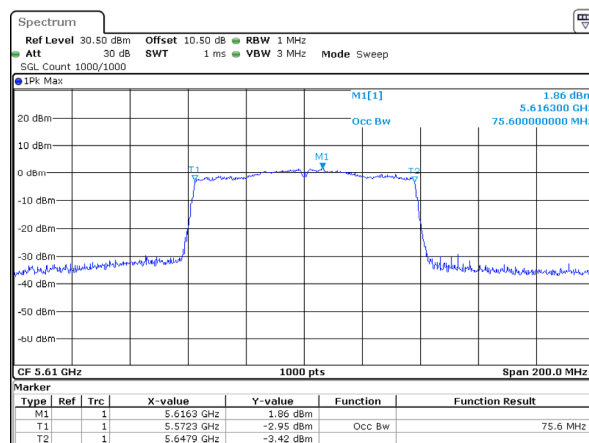
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 23:12:45

802.11ac80_5530MHz



ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 23:15:46

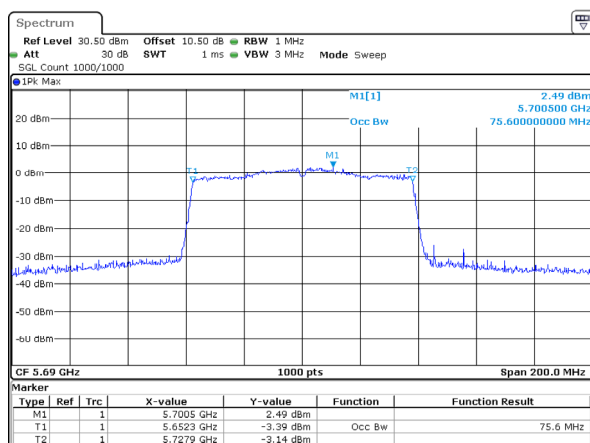
802.11ac80_5610MHz



ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 23:19:18

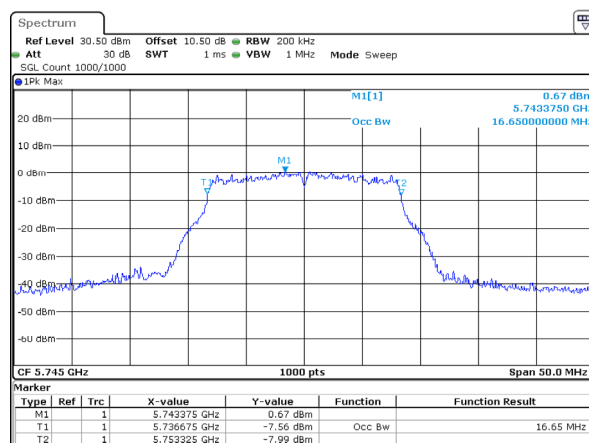
5725-5850MHz

802.11ac80_5690MHz



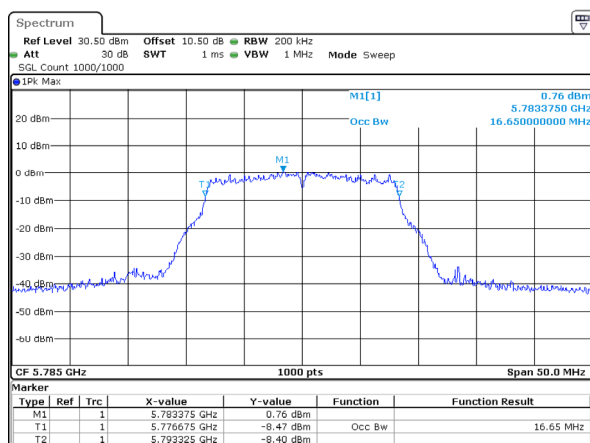
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 23:23:20

802.11a_5745MHz



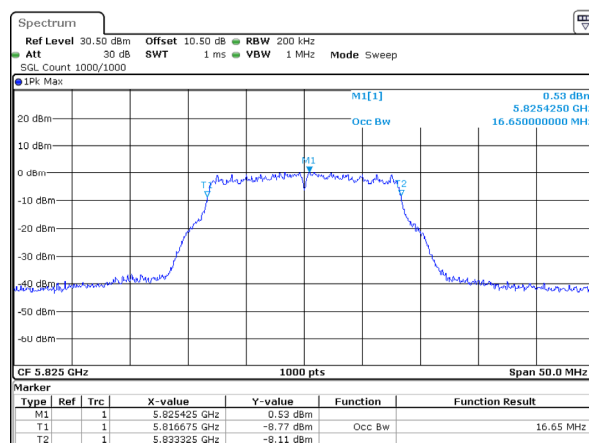
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Date: 23.FEB.2025 23:29:40

802.11a_5785MHz



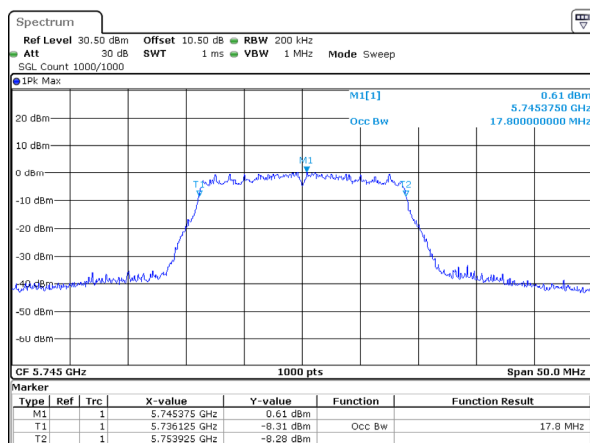
ProjectNo.:2501P30411E-RF-1 Tester:Brian Li
Date: 23.FEB.2025 23:32:11

802.11a_5825MHz



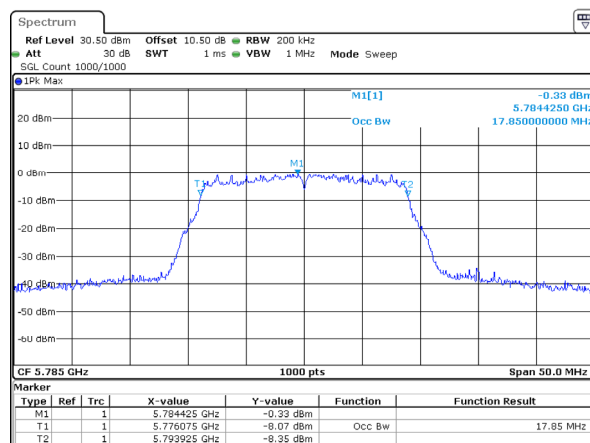
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Date: 23.FEB.2025 23:35:36

802.11ac20_5745MHz



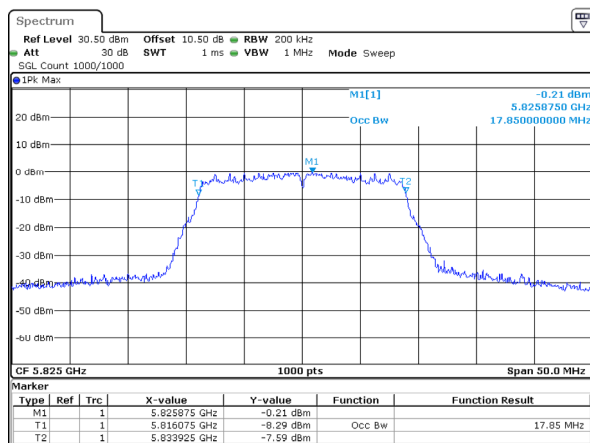
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Date: 23.FEB.2025 23:40:04

802.11ac20_5785MHz



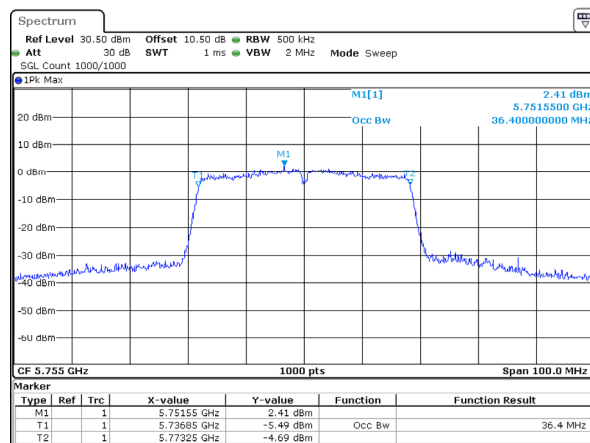
ProjectNo.:2501P30411E-RF-1 Tester:Brian LI
Date: 23.FEB.2025 23:44:12

802.11ac20_5825MHz



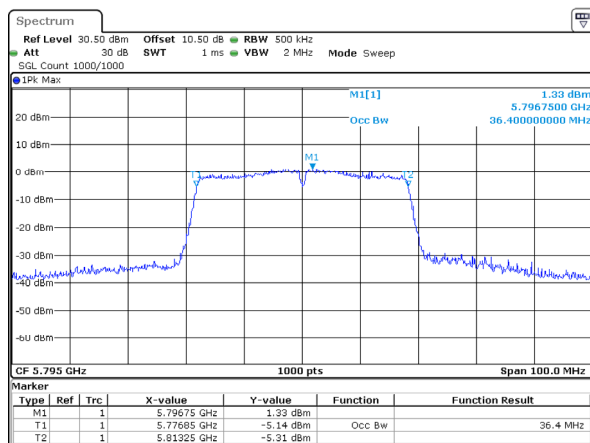
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Date: 23.FEB.2025 23:47:39

802.11ac40_5755MHz



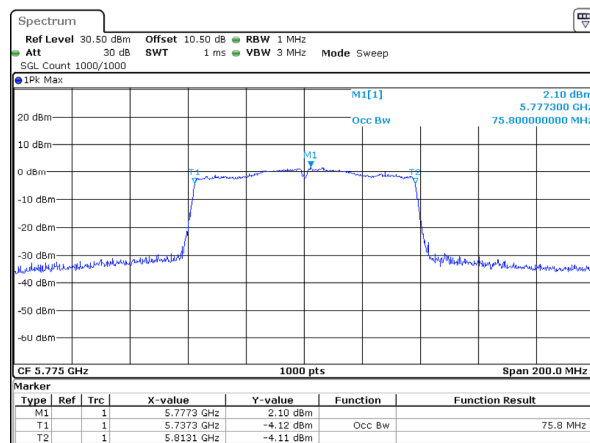
ProjectNo.:2501P30411E-RF-1 Tester:Brian LI
Date: 23.FEB.2025 23:49:35

802.11ac40_5795MHz



ProjectNo.:2501P30411E-RF-1 Tester:Brian LI
Date: 23.FEB.2025 23:51:21

802.11ac80_5775MHz



ProjectNo.:2501P30411E-RF-1 Tester:Brian LI
Date: 23.FEB.2025 23:52:42

Maximum Conducted Output Power

5150-5250MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	9.96	24	Pass
	5200	9.82	24	Pass
	5240	9.68	24	Pass
802.11ac20	5180	9.76	24	Pass
	5200	9.68	24	Pass
	5240	9.38	24	Pass
802.11ac40	5190	9.4	24	Pass
	5230	9.24	24	Pass
802.11ac80	5210	9.19	24	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5260	9.47	24	Pass
	5280	9.64	24	Pass
	5320	9.71	24	Pass
802.11ac20	5260	9.22	24	Pass
	5280	9.2	24	Pass
	5320	9.31	24	Pass
802.11ac40	5270	9.29	24	Pass
	5310	9.3	24	Pass
802.11ac80	5290	9.18	24	Pass