

Appendix B: Module YL43752, ANT2

Test Information:

Sample No.:	2U84-1	Test Date:	2024/12/23~2025/03/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Brian Li	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.1-24.9	Relative Humidity: (%)	43-53	ATM Pressure: (kPa)	101
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Emission Bandwidth

26dB Emission Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	21.259
	5200	21.258
	5240	21.205
802.11ac20	5180	21.342
	5200	21.307
	5240	21.567
802.11ac40	5190	39.740
	5230	39.640
802.11ac80	5210	81.481
802.11ax20_RU_Full	5180	21.563
	5200	21.331
	5240	21.427
802.11ax40_RU_Full	5190	40.641
	5230	40.440
802.11ax80_RU_Full	5210	82.482

5250-5350MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5260	21.153
	5280	21.258
	5320	21.258
802.11ac20	5260	21.514
	5280	21.464
	5320	21.256
802.11ac40	5270	39.740
	5310	39.640
802.11ac80	5290	81.481
802.11ax20_RU_Full	5260	21.603
	5280	21.665
	5320	21.406
802.11ax40_RU_Full	5270	40.541
	5310	40.440
802.11ax80_RU_Full	5290	82.282

5470-5725MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5500	21.207
	5580	21.308
	5700	21.260
	5720	21.151
802.11ac20	5500	21.459
	5580	21.354
	5700	21.671
	5720	21.408
802.11ac40	5510	39.740
	5550	39.740
	5670	39.940
	5710	39.940
802.11ac80	5530	80.881
	5610	81.081
	5690	81.281
802.11ax20_RU_Full	5500	21.278
	5580	21.563
	5700	21.603
	5720	21.726
802.11ax40_RU_Full	5510	40.440
	5550	40.440
	5670	40.541
	5710	40.440
802.11ax80_RU_Full	5530	81.882
	5610	82.482
	5690	82.282

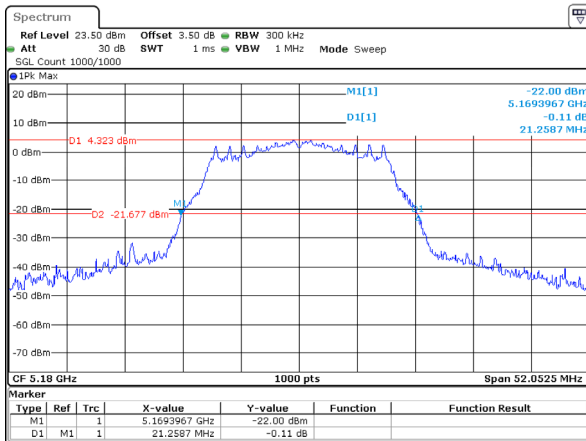
6dB Emission Bandwidth

5725-5850MHz

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	15.265	0.5	Pass
	5785	15.265	0.5	Pass
	5825	15.265	0.5	Pass
802.11ac20	5745	15.265	0.5	Pass
	5785	15.265	0.5	Pass
	5825	15.265	0.5	Pass
802.11ac40	5755	35.335	0.5	Pass
	5795	35.435	0.5	Pass
802.11ac80	5775	75.676	0.5	Pass
802.11ax20_RU_Full	5745	18.619	0.5	Pass
	5785	18.519	0.5	Pass
	5825	18.519	0.5	Pass
802.11ax40_RU_Full	5755	37.738	0.5	Pass
	5795	37.738	0.5	Pass
802.11ax80_RU_Full	5775	77.878	0.5	Pass

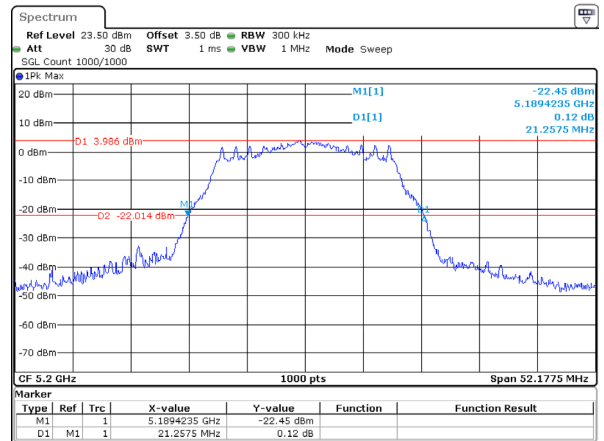
5150-5250MHz

802.11a_5180MHz



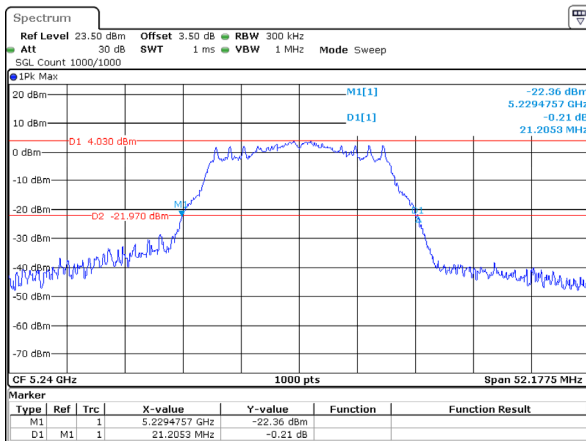
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Date: 24.DEC.2024 22:59:29

802.11a_5200MHz



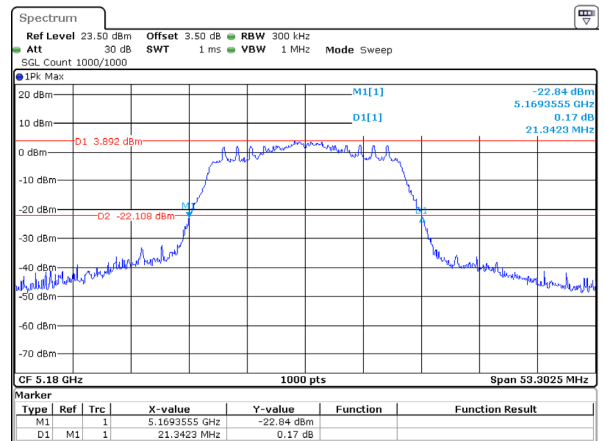
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802.11a_5240MHz



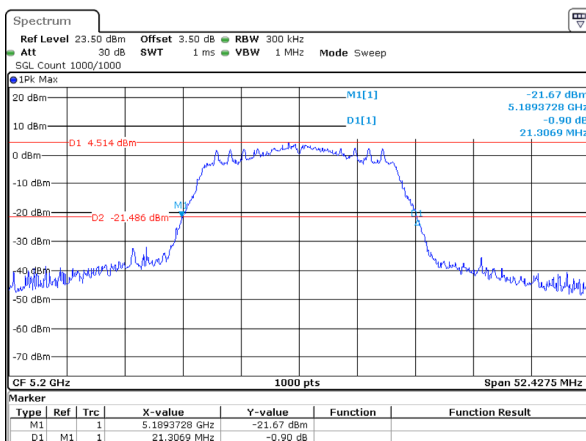
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802.11ac20_5180MHz



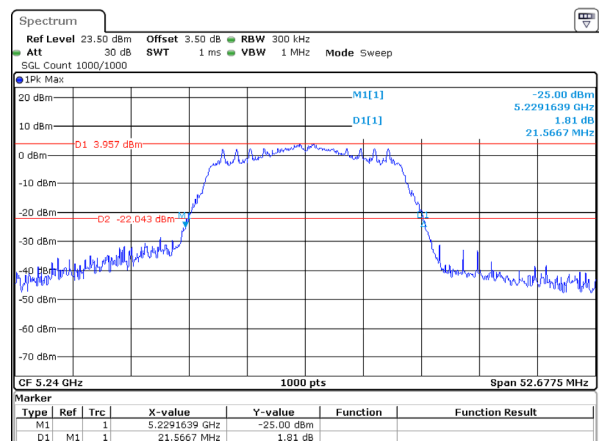
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802.11ac20_5200MHz



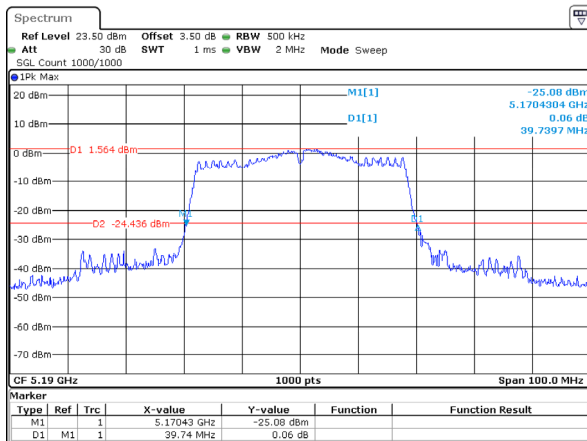
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802.11ac20_5240MHz



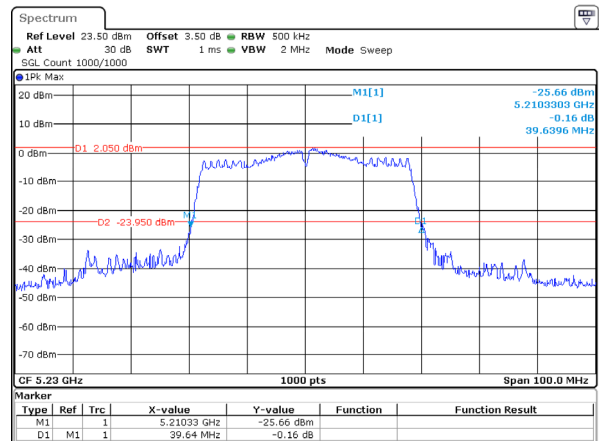
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802.11ac40_5190MHz



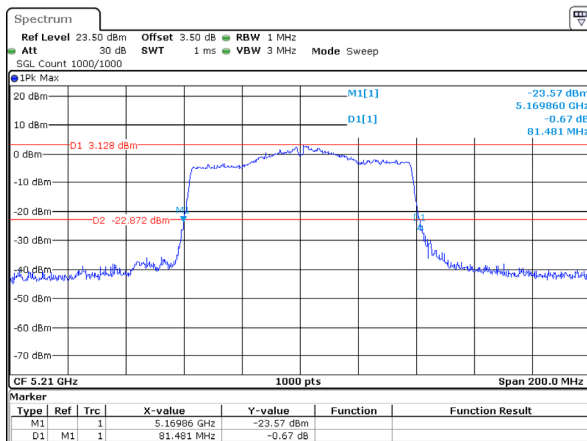
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802.11ac40_5230MHz



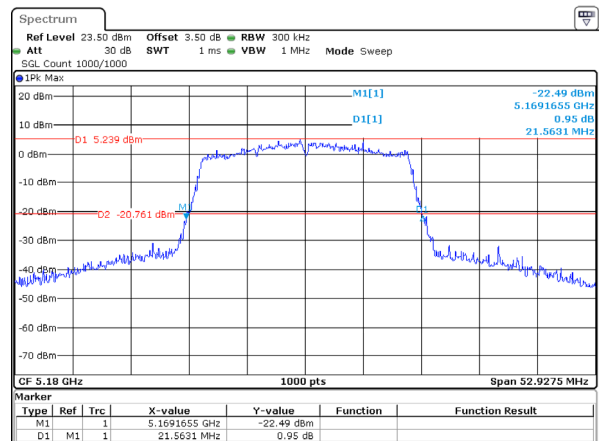
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802.11ac80_5210MHz



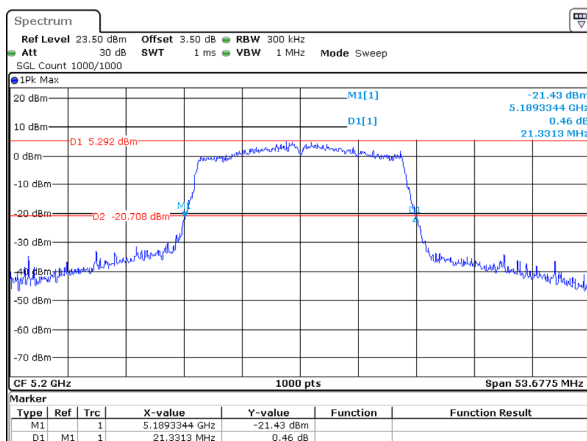
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802.11ax20_5180MHz_RU_Full



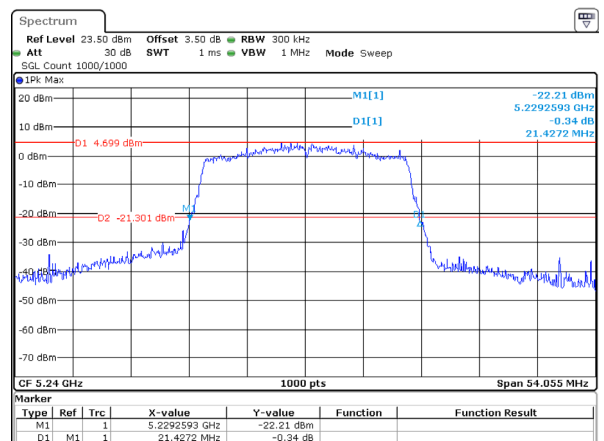
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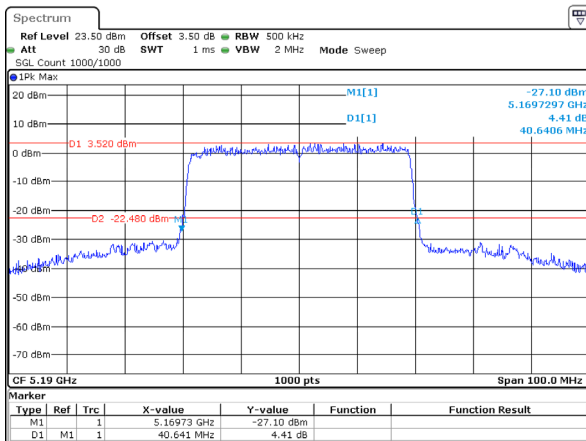
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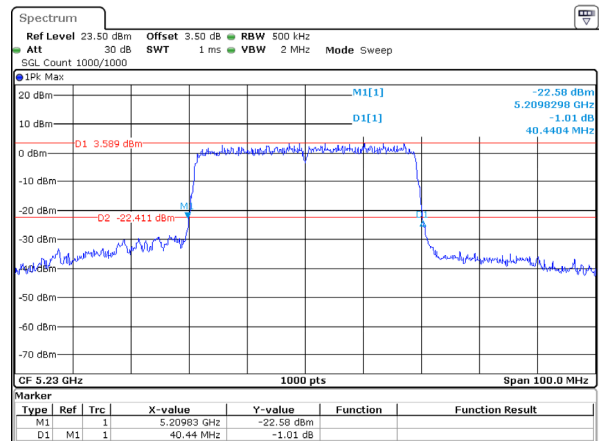
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802.11ax40_5190MHz_RU_Full



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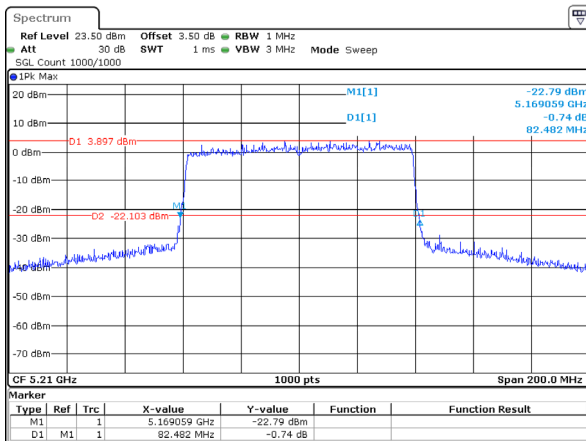
802.11ax40_5230MHz_RU_Full



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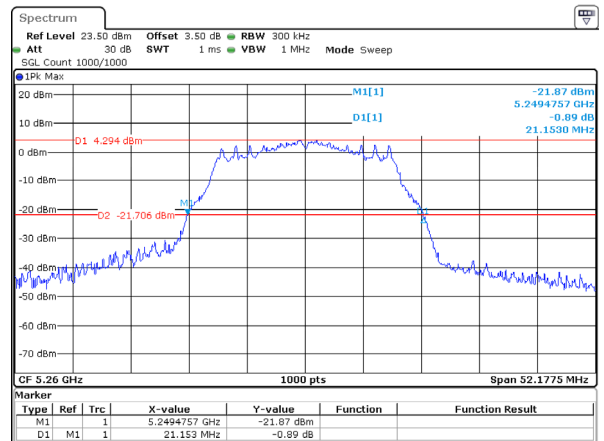
5250-5350MHz

802.11ax80_5210MHz_RU_Full



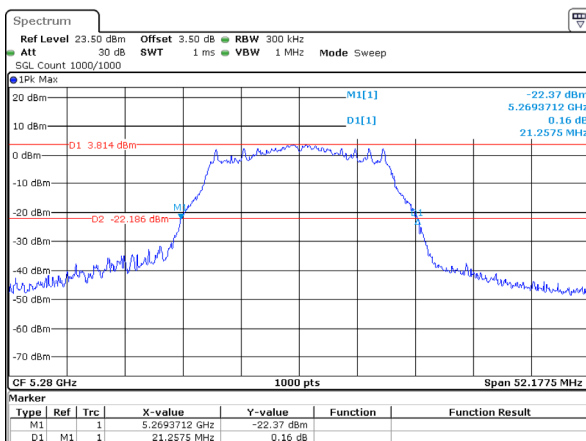
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802.11a_5260MHz



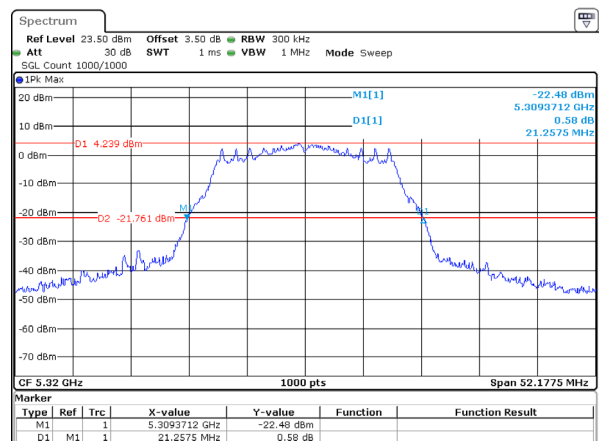
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802.11a_5280MHz



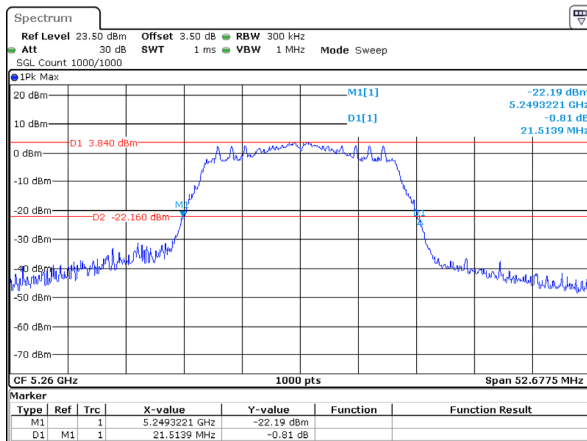
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802.11a_5320MHz



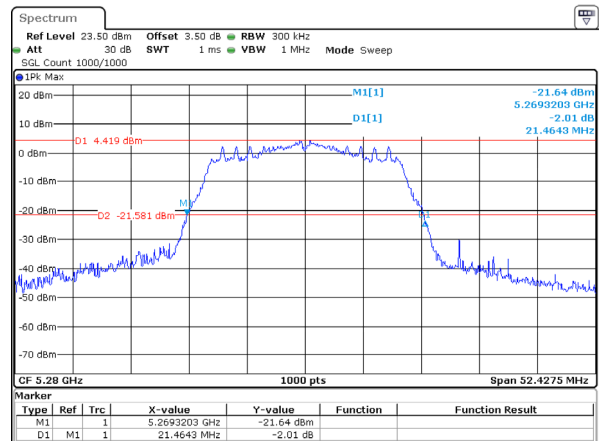
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802.11ac20_5260MHz



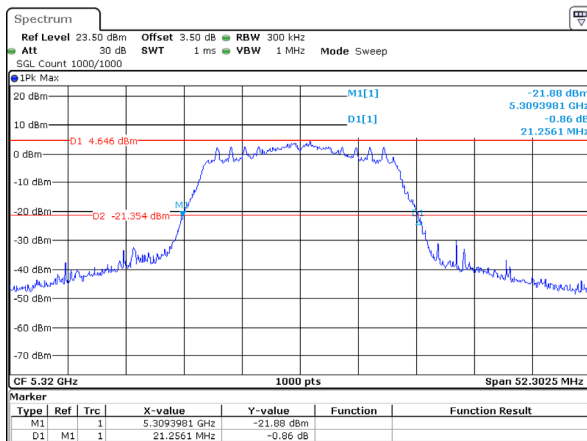
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802.11ac20_5280MHz



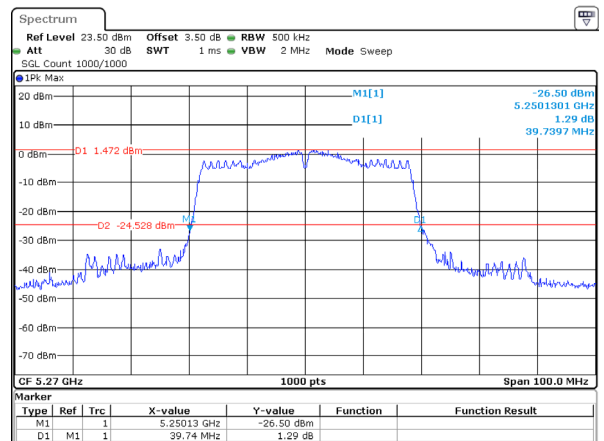
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802.11ac20_5320MHz



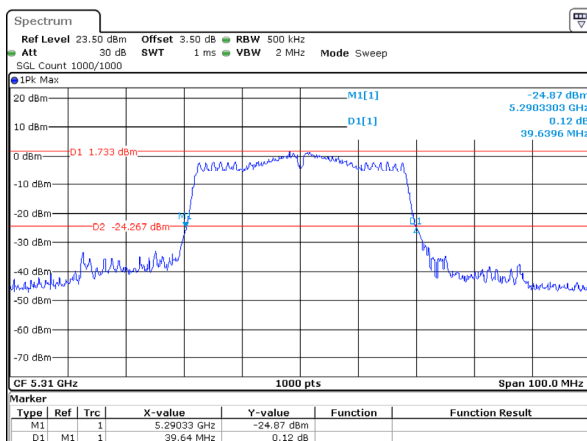
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802.11ac40_5270MHz



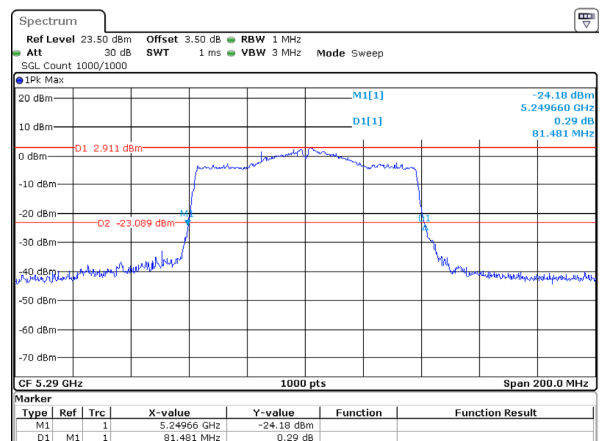
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802.11ac40_5310MHz



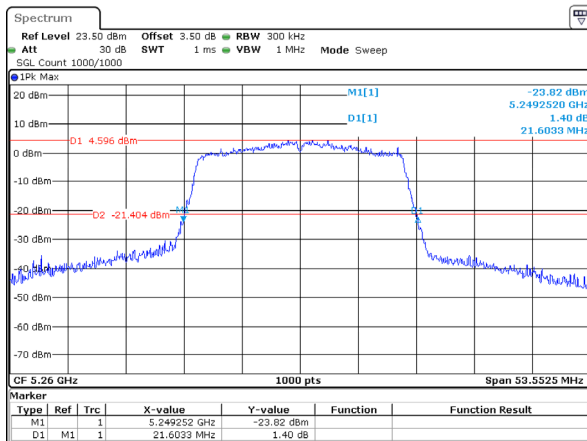
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802.11ac80_5290MHz



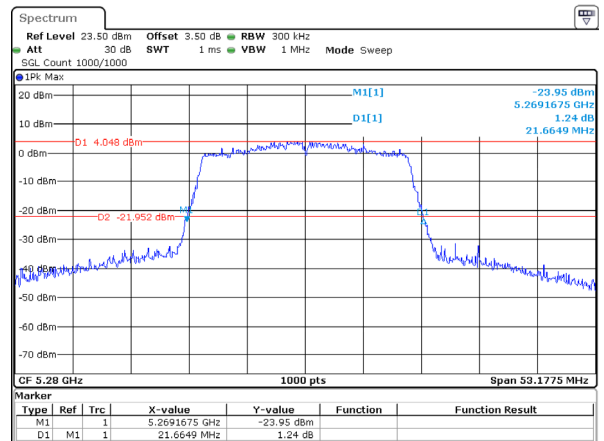
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802.11ax20_5260MHz_RU_Full



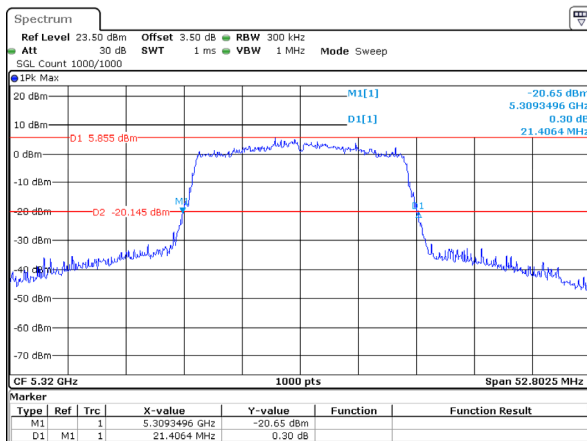
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802.11ax20_5280MHz_RU_Full



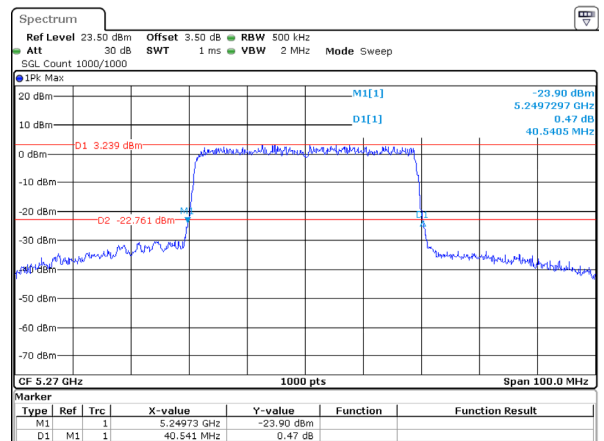
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802.11ax20_5320MHz_RU_Full



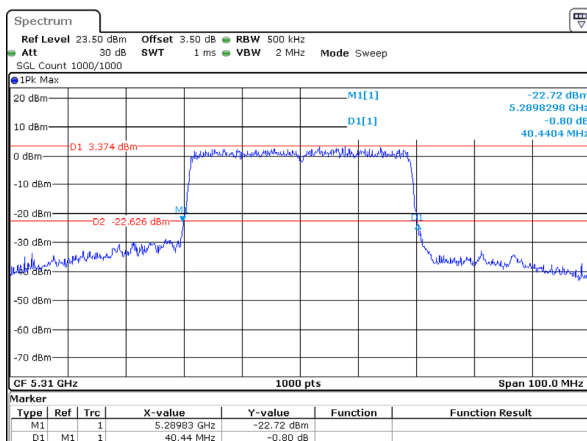
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802.11ax40_5270MHz_RU_Full



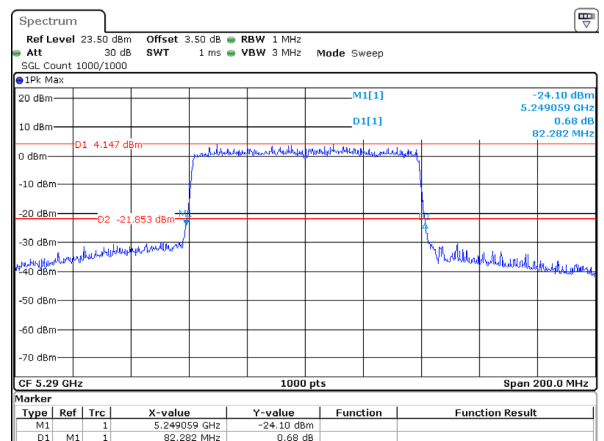
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802.11ax40_5310MHz_RU_Full



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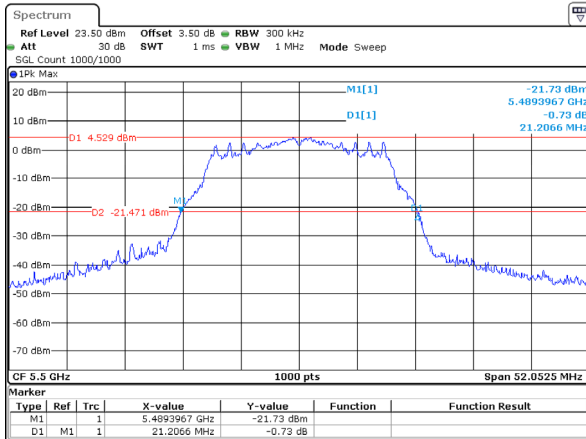
802.11ax80_5290MHz_RU_Full



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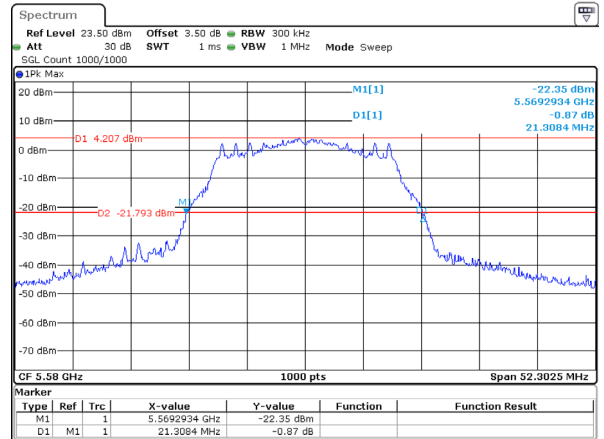
5470-5725MHz

802.11a_5500MHz



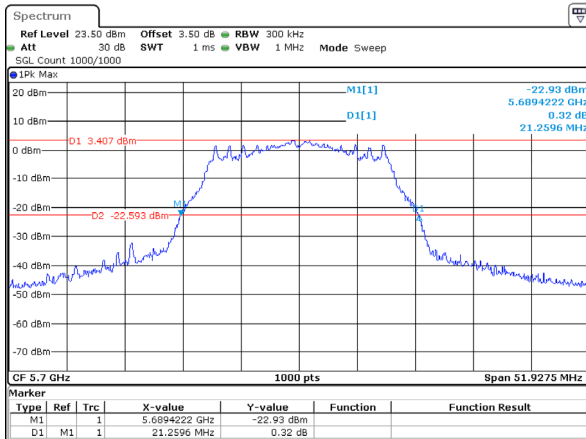
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802.11a_5580MHz



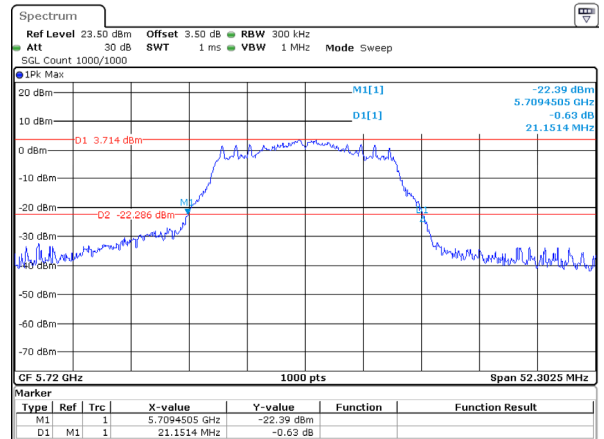
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802.11a_5700MHz



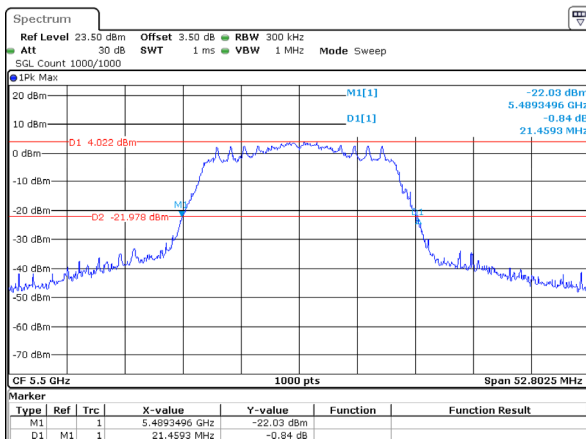
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802.11a_5720MHz



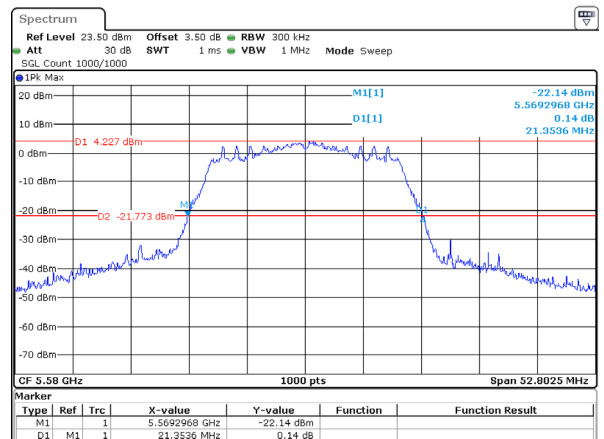
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802.11ac20_5500MHz



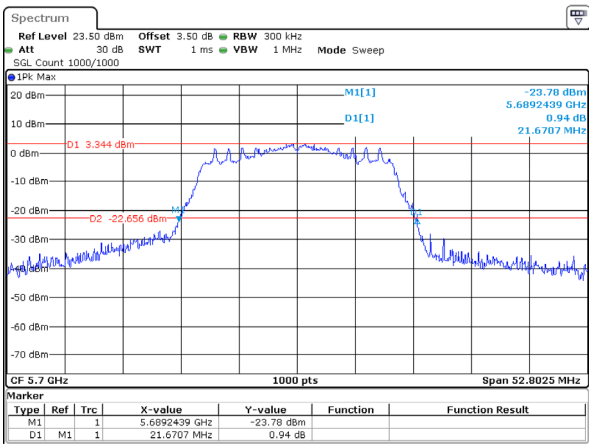
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802.11ac20_5580MHz



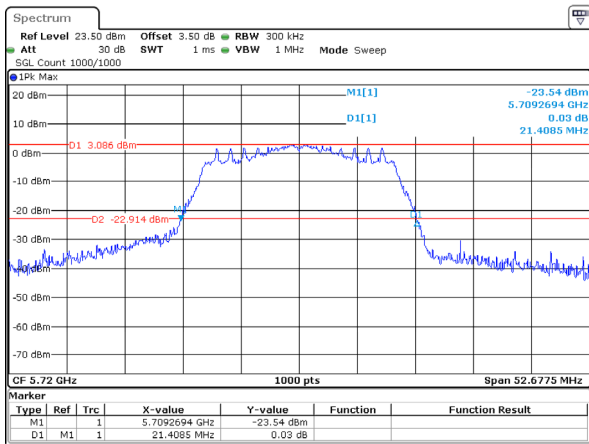
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802.11ac20_5700MHz



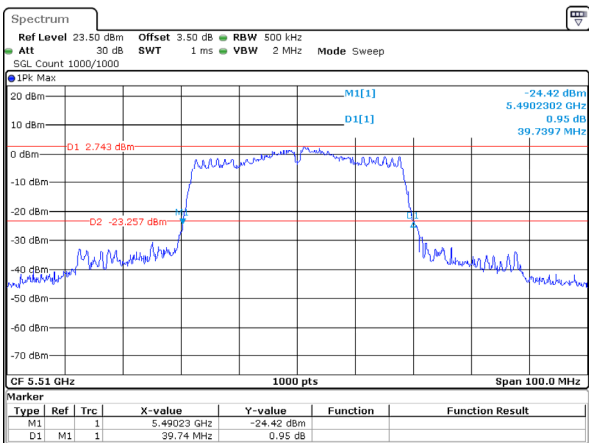
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802.11ac20_5720MHz



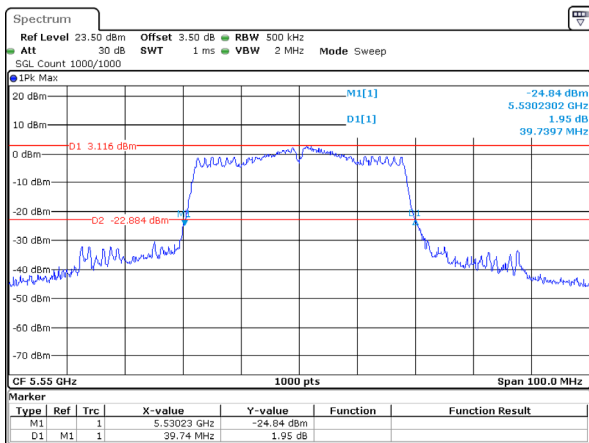
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802.11ac40_5510MHz



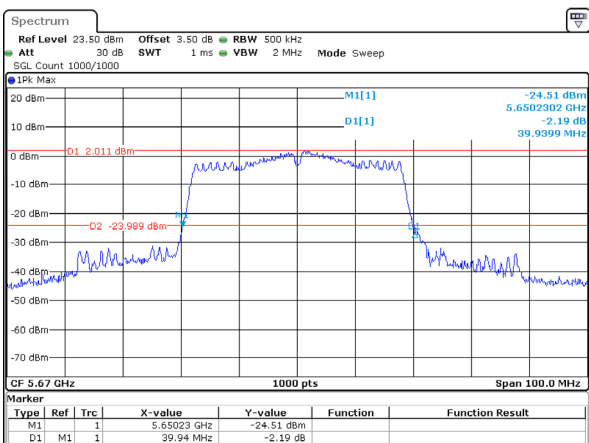
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802.11ac40_5550MHz



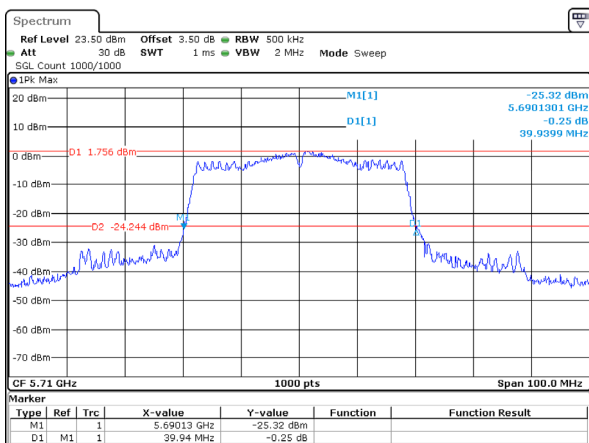
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802.11ac40_5670MHz



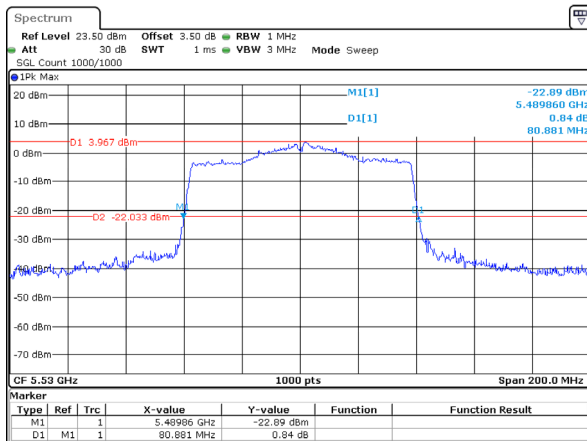
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802.11ac40_5710MHz



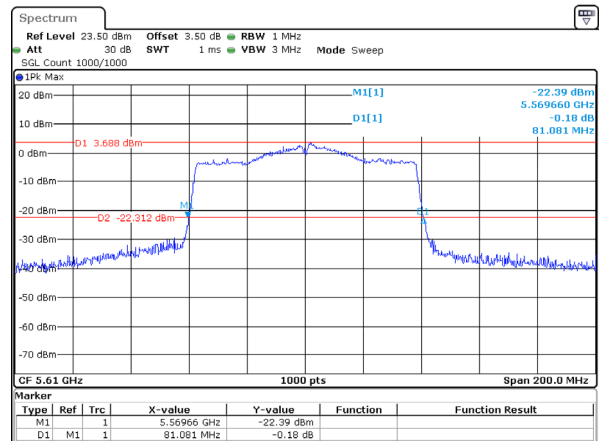
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Date: 25.DEC.2024 21:45:21

802.11ac80_5530MHz



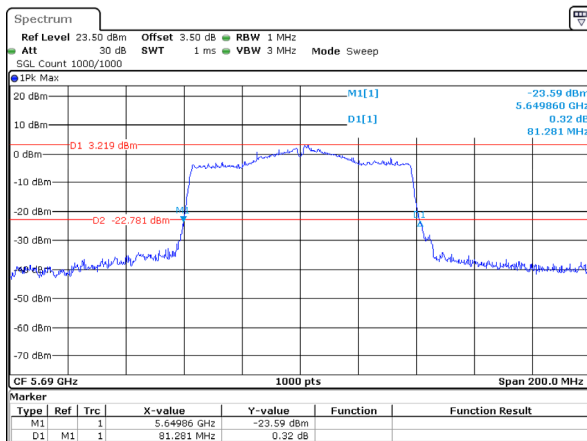
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802.11ac80_5610MHz



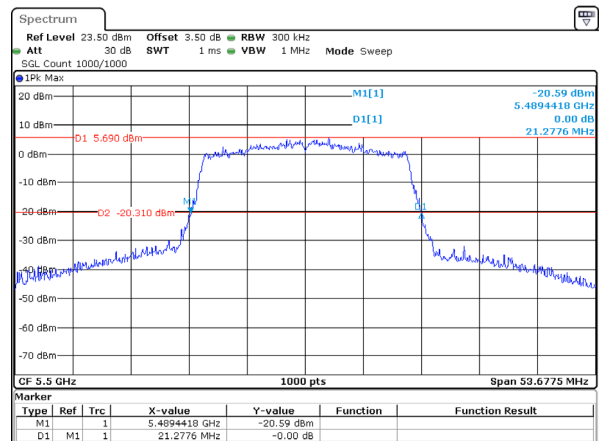
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802.11ac80_5690MHz



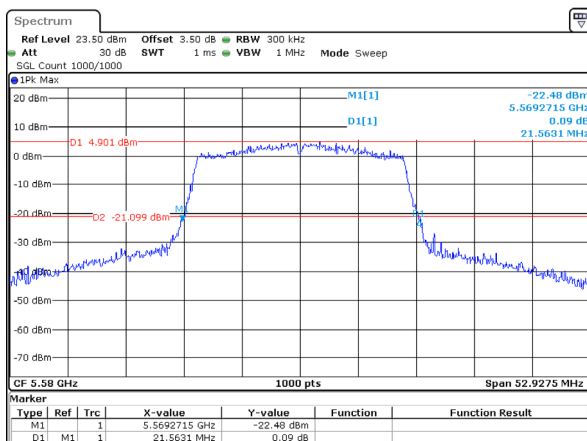
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802.11ax20_5500MHz_RU_Full



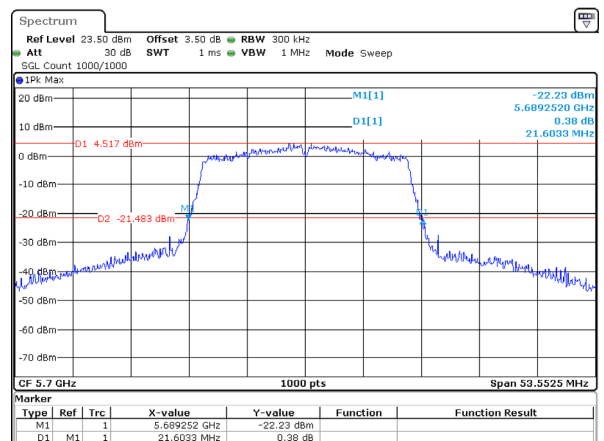
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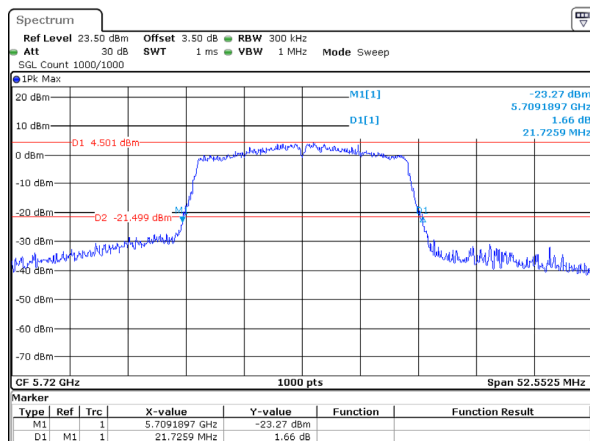
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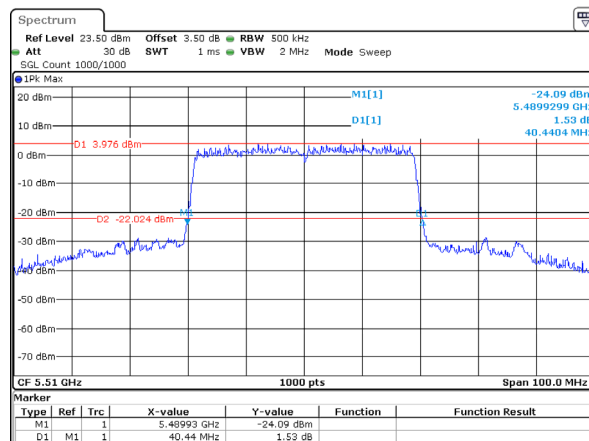
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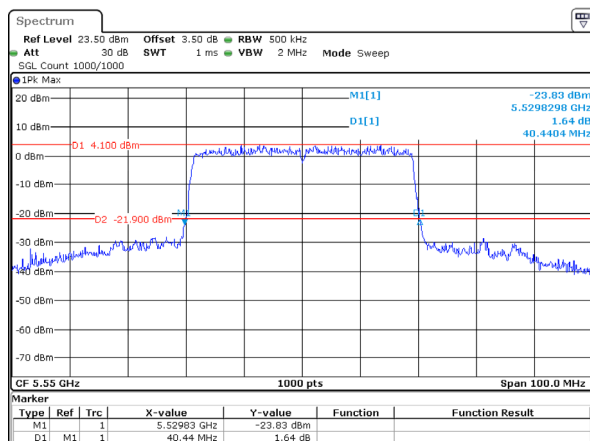
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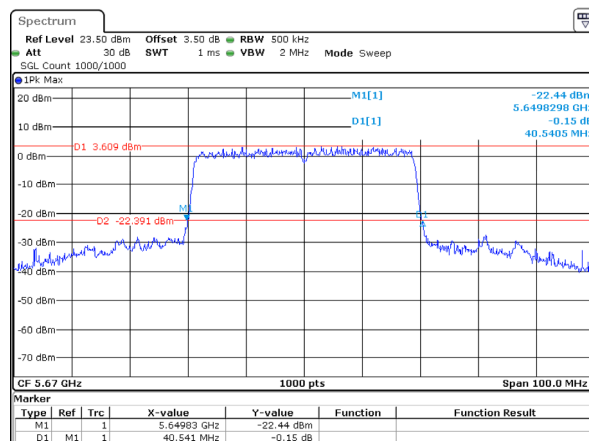
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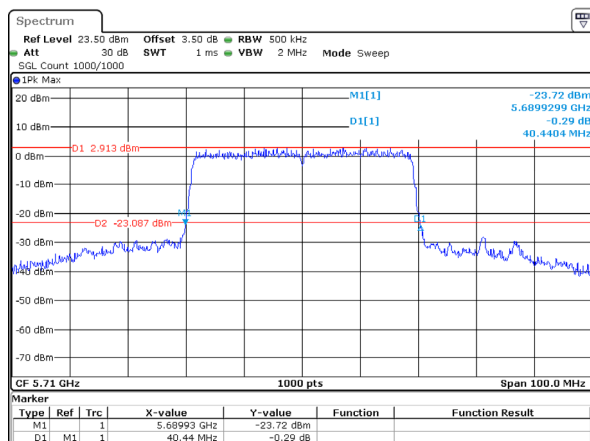
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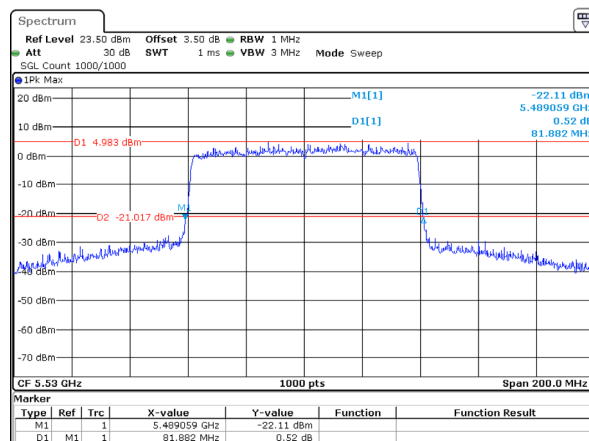
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Date: 25.DEC.2024 22:11:01

802.11ax40_5710MHz_RU_Full



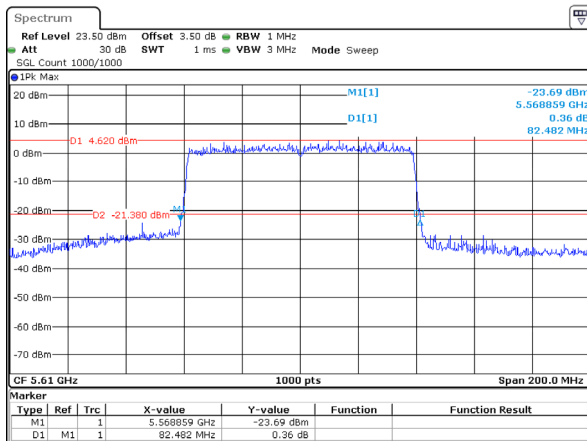
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:12:00

802.11ax80_5530MHz_RU_Full



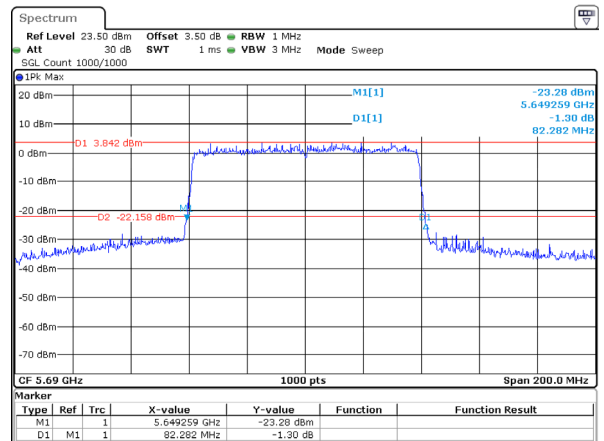
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:13:07

802.11ax80_5610MHz_RU_Full



ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:14:20

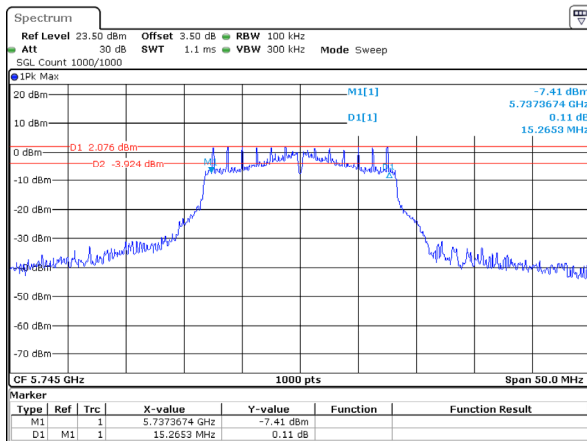
802.11ax80_5690MHz_RU_Full



ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:16:05

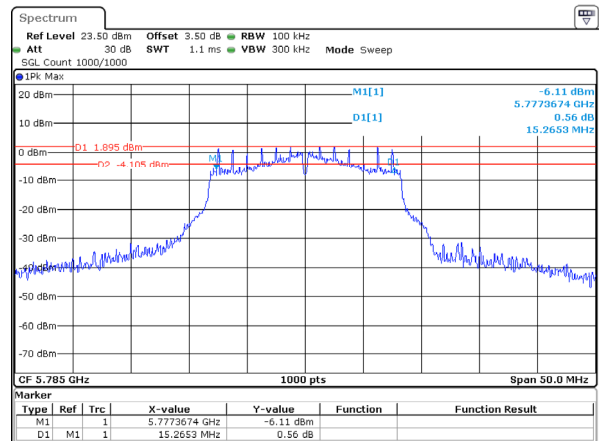
5725-5850MHz

802.11a_5745MHz



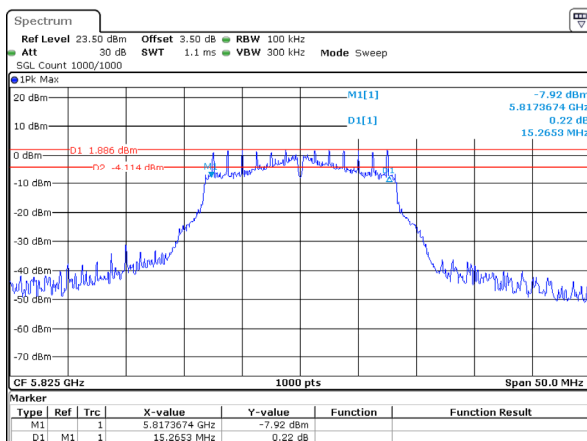
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Date: 25.DEC.2024 22:17:46

802.11a_5785MHz



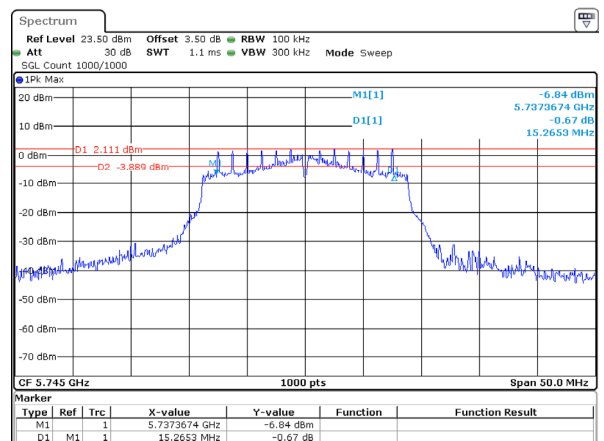
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:20:21

802.11a_5825MHz



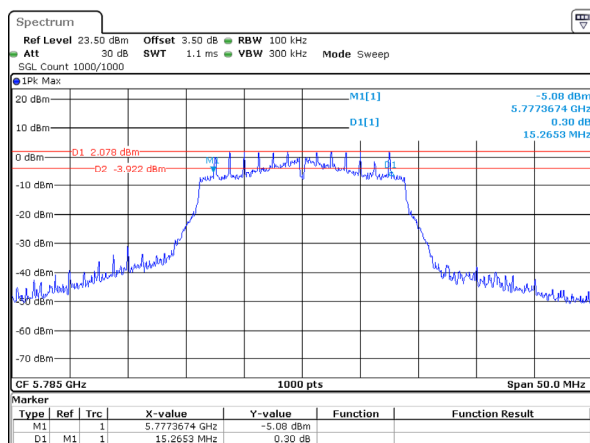
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:22:55

802.11ac20_5745MHz



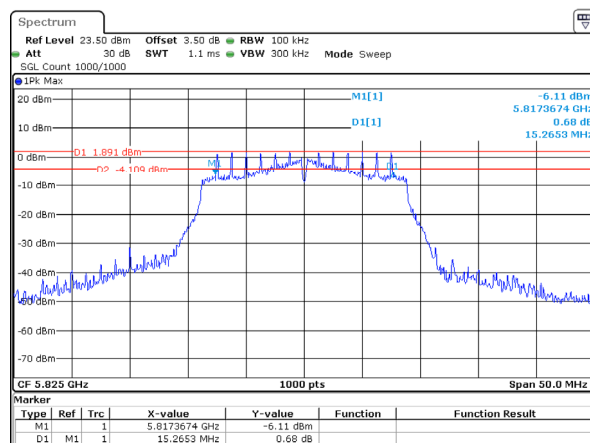
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:35:21

802.11ac20_5785MHz



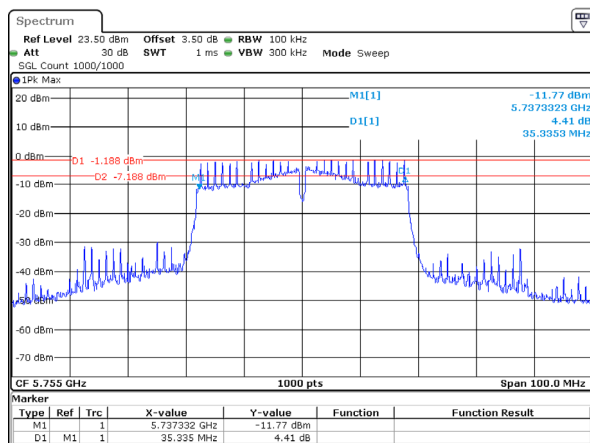
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian LI
Date: 25.DEC.2024 22:37:42

802.11ac20_5825MHz



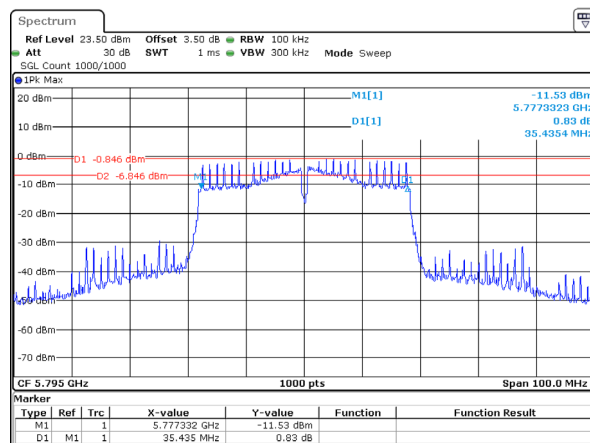
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian LI
Date: 25.DEC.2024 22:39:52

802.11ac40_5755MHz



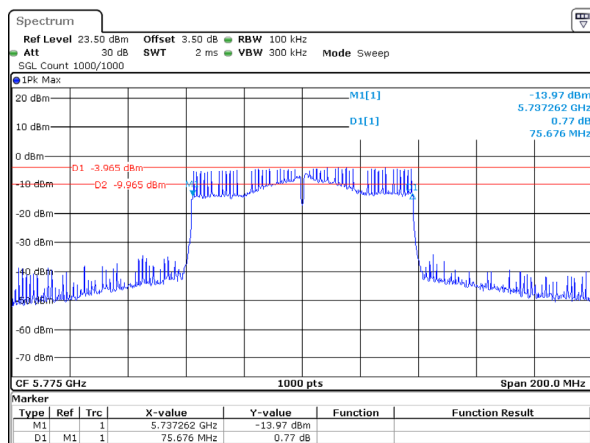
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian LI
Date: 25.DEC.2024 22:42:09

802.11ac40_5795MHz



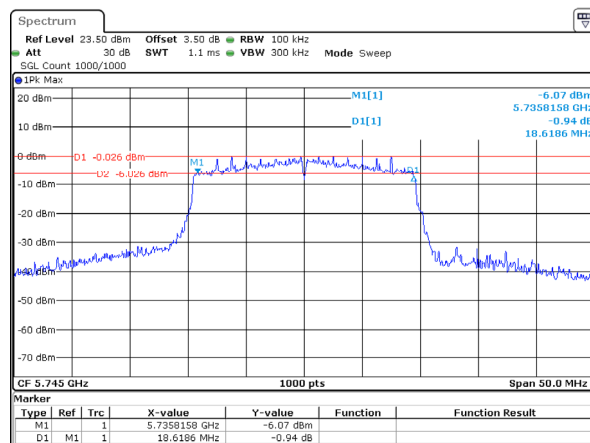
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian LI
Date: 25.DEC.2024 22:43:42

802.11ac80_5775MHz



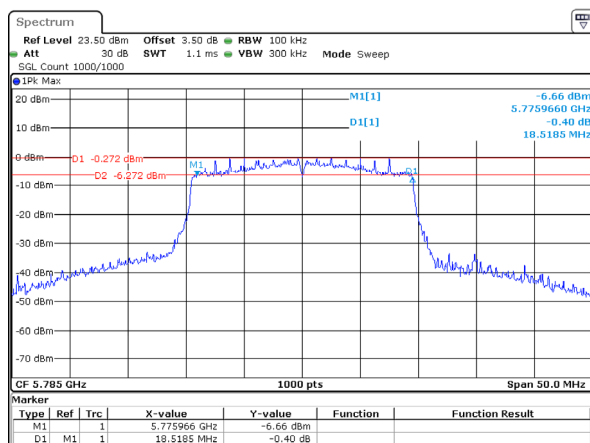
ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian LI
Date: 25.DEC.2024 22:45:09

802.11ax20_5745MHz_RU_Full



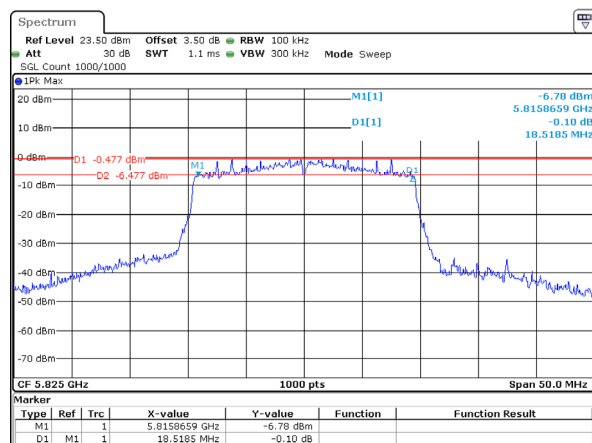
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Date: 25.DEC.2024 22:46:56

802.11ax20_5785MHz_RU_Full



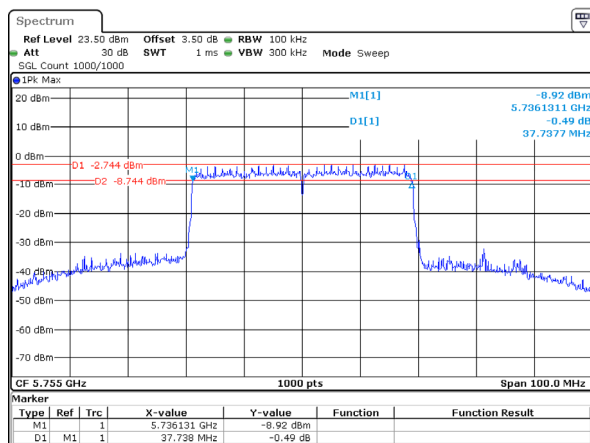
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Date: 25.DEC.2024 22:49:48

802.11ax20_5825MHz_RU_Full



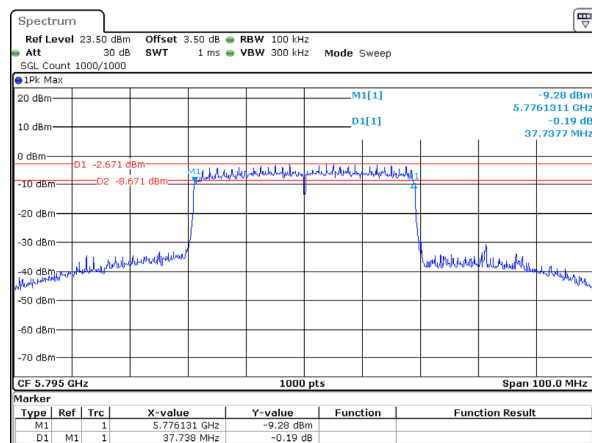
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Date: 25.DEC.2024 22:51:56

802.11ax40_5755MHz_RU_Full



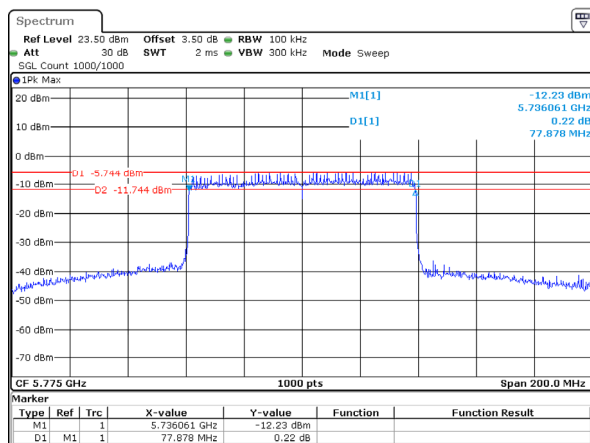
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Date: 25.DEC.2024 22:53:37

802.11ax40_5795MHz_RU_Full



ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:55:27

802.11ax80_5775MHz_RU_Full



ProjectNo.:2401Z103823E-RF-ANT2 Tester:Brian Li
Date: 25.DEC.2024 22:56:41

99% Occupied Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.400
	5200	16.400
	5240	16.400
802.11ac20	5180	17.500
	5200	17.500
	5240	17.550
802.11ac40	5190	36
	5230	36.100
802.11ac80	5210	75.200
802.11ax20_RU_Full	5180	18.900
	5200	18.900
	5240	19
802.11ax40_RU_Full	5190	37.700
	5230	37.600
802.11ax80_RU_Full	5210	77.200

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	16.400
	5280	16.400
	5320	16.400
802.11ac20	5260	17.500
	5280	17.550
	5320	17.550
802.11ac40	5270	36
	5310	36
802.11ac80	5290	75.400
802.11ax20_RU_Full	5260	18.900
	5280	18.900
	5320	18.900
802.11ax40_RU_Full	5270	37.600
	5310	37.600
802.11ax80_RU_Full	5290	77.200

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	16.400
	5580	16.350
	5700	16.400
	5720	16.400
802.11ac20	5500	17.600
	5580	17.550
	5700	17.550
	5720	17.550
802.11ac40	5510	36
	5550	36.100
	5670	36.100
	5710	36
802.11ac80	5530	75.200
	5610	75.400
	5690	75.200
802.11ax20_RU_Full	5500	18.900
	5580	18.850
	5700	18.900
	5720	18.950
802.11ax40_RU_Full	5510	37.600
	5550	37.700
	5670	37.700
	5710	37.600
802.11ax80_RU_Full	5530	77
	5610	77.200
	5690	77.400

5725-5850MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.450
	5785	16.450
	5825	16.350
802.11ac20	5745	17.600
	5785	17.550
	5825	17.550
802.11ac40	5755	36
	5795	36
802.11ac80	5775	75.600
802.11ax20_RU_Full	5745	18.900
	5785	18.900
	5825	19
802.11ax40_RU_Full	5755	37.600
	5795	37.600
802.11ax80_RU_Full	5775	77.200

Note:

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