

Test Information:

Sample No.:	30YZ-2	Test Date:	2025/05/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5	Relative Humidity: (%)	50	ATM Pressure: (kPa)	100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Anritsu	Pulse Power Sensor	MA2411A	10780	2024/08/03	2025/08/02
Anritsu	Power Meter	ML2495A	1106009	2024/08/03	2025/08/02
R&S	Spectrum Analyzer	FSU26	200256	2025/03/31	2026/03/30
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Tester: Chin Qin

Reviewer: Joe Liang

Emission Bandwidth**26dB Emission Bandwidth****5150-5250MHz**

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	20.604
	5200	20.300
	5240	20.402
802.11n20	5180	20.654
	5200	20.704
	5240	20.603
802.11n40	5190	40.900
	5230	41.300
802.11ac80	5210	81.800

5250-5350MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5260	20.503
	5280	20.402
	5320	20.452
802.11n20	5260	20.552
	5280	20.655
	5320	20.757
802.11n40	5270	41.300
	5310	41.100
802.11ac80	5290	81.600

5470-5725MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5500	20.301
	5580	20.452
	5700	20.503
	5720	20.301
802.11n20	5500	20.757
	5580	20.655

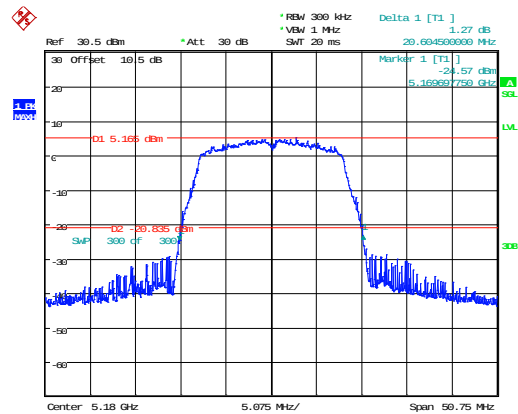
Mode	Test Frequency (MHz)	Result (MHz)
802.11n20	5700	20.706
	5720	20.706
802.11n40	5510	41.300
	5550	41.300
	5670	41.200
	5710	41.300
802.11ac80	5530	81.600
	5610	81.600
	5690	81.600

6dB Emission Bandwidth**5725-5850MHz**

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	16.400	0.5	Pass
	5785	16.400	0.5	Pass
	5825	16.400	0.5	Pass
802.11n20	5745	17.700	0.5	Pass
	5785	17.700	0.5	Pass
	5825	17.700	0.5	Pass
802.11n40	5755	36.600	0.5	Pass
	5795	36.600	0.5	Pass
802.11ac80	5775	76.800	0.5	Pass

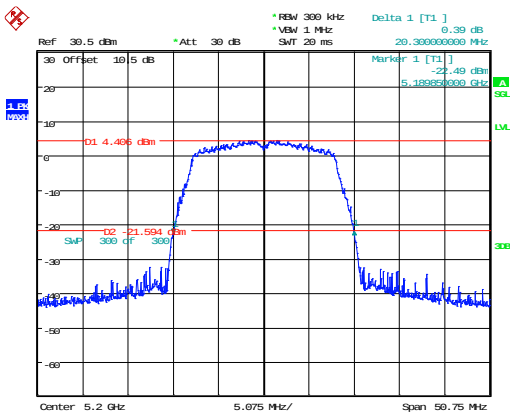
5150-5250MHz

802.11a_5180MHz



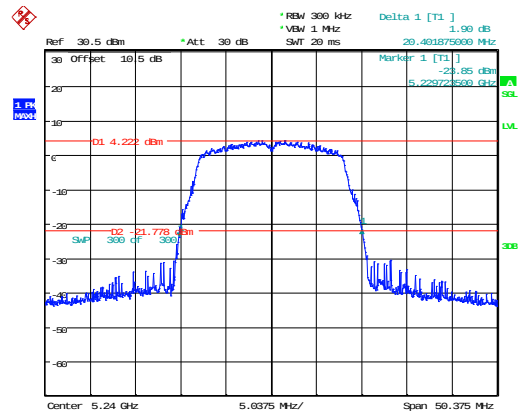
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802.11a_5200MHz



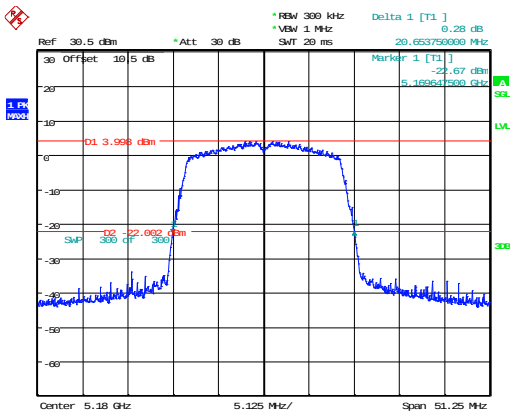
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802.11a_5240MHz



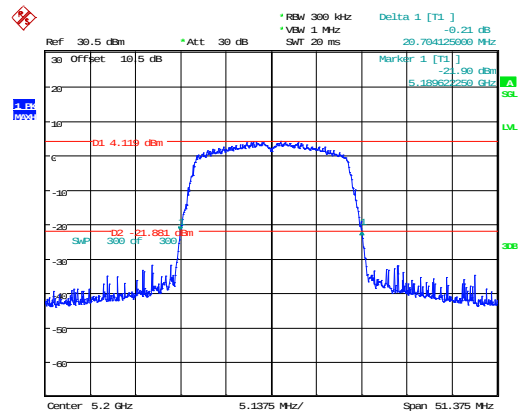
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802.11n20_5180MHz



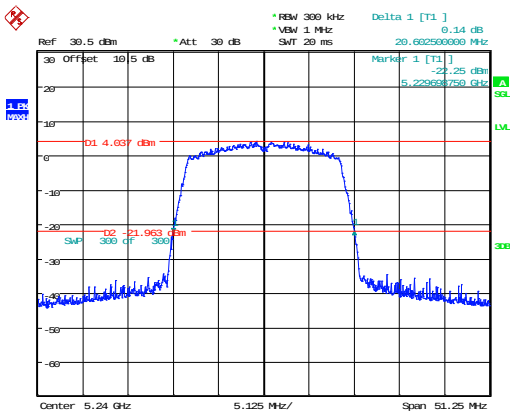
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802.11n20_5200MHz



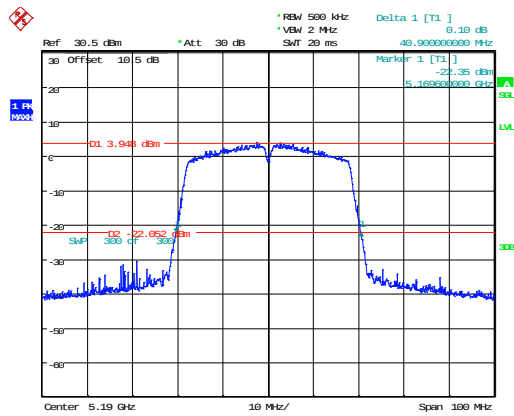
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802.11n20_5240MHz



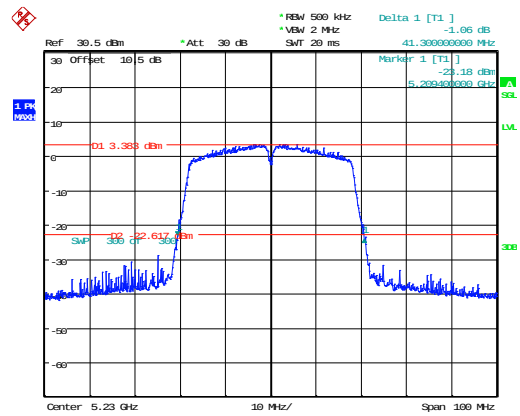
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802.11n40_5190MHz



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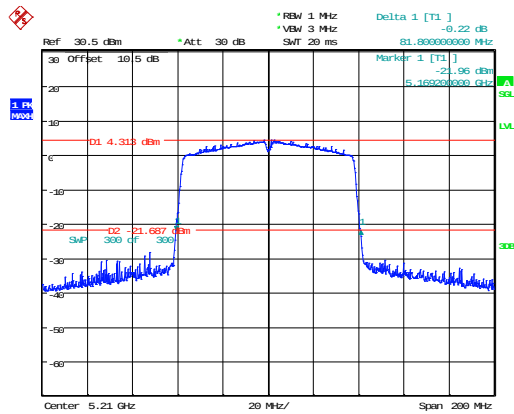
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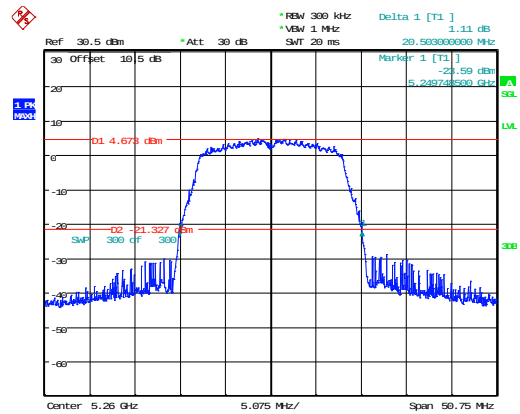
5250-5350MHz

802.11ac80_5210MHz



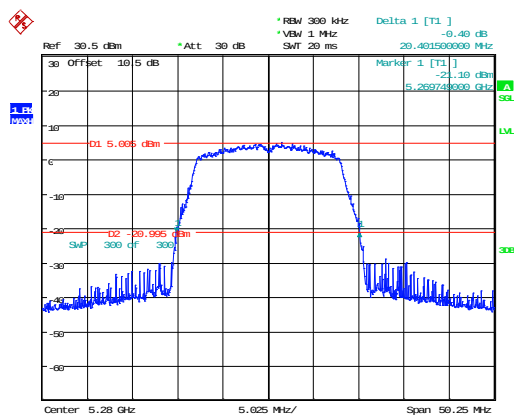
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802.11a_5260MHz



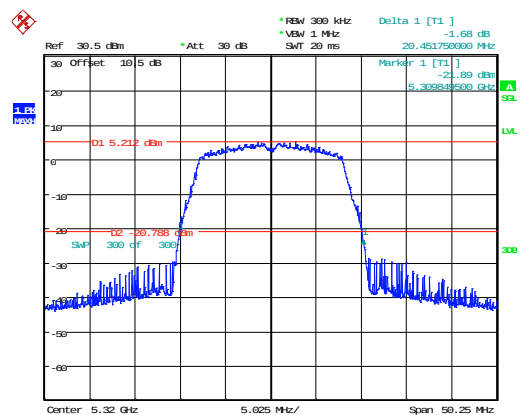
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802.11a_5280MHz



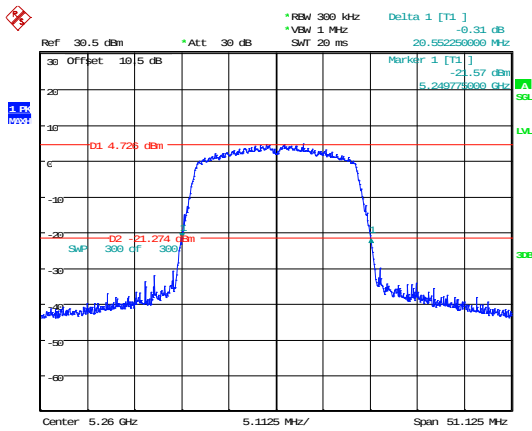
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802.11a_5320MHz



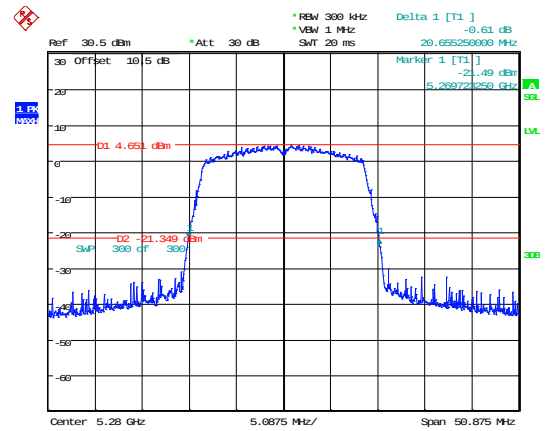
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802.11n20_5260MHz



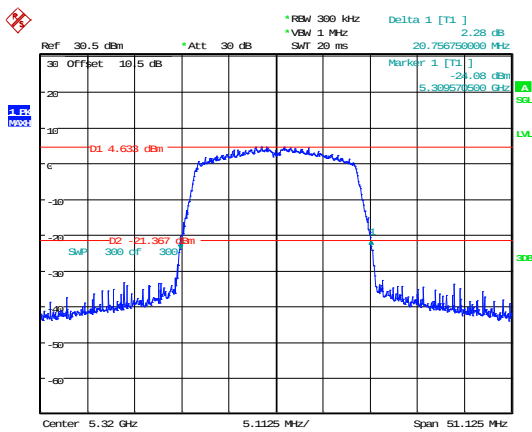
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802.11n20_5280MHz



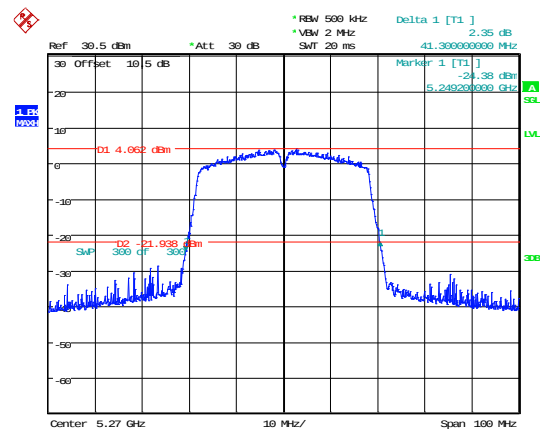
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802.11n20_5320MHz



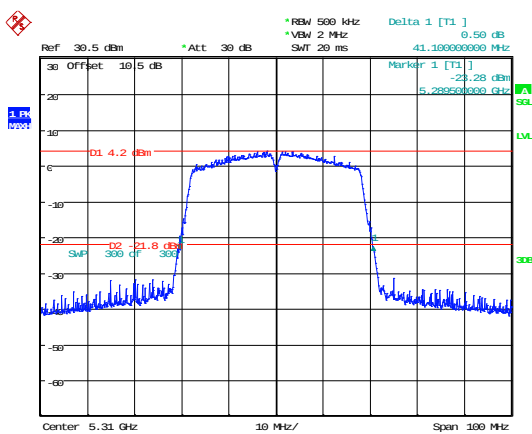
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802.11n40_5270MHz



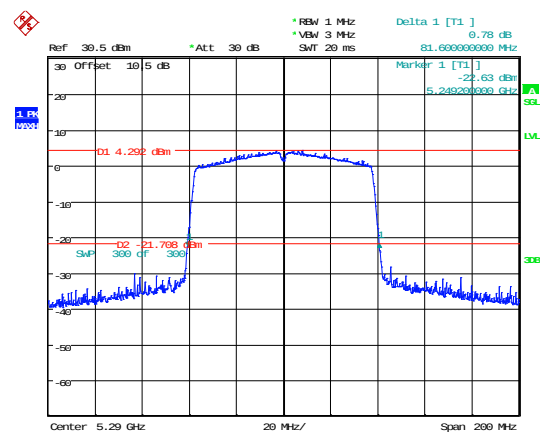
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802.11n40_5310MHz



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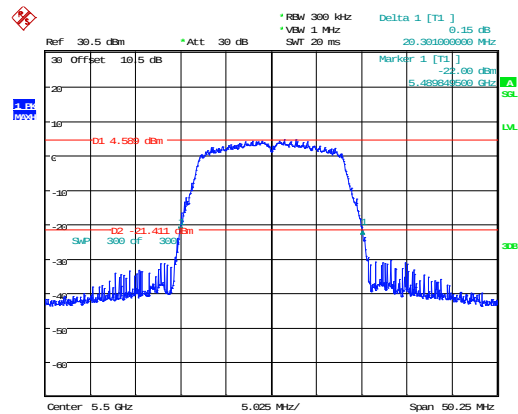
802.11ac80_5290MHz



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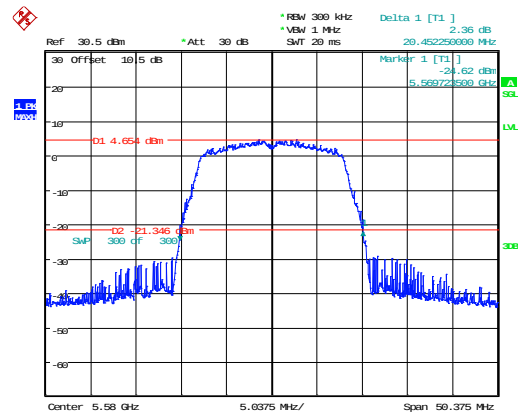
5470-5725MHz

802.11a_5500MHz



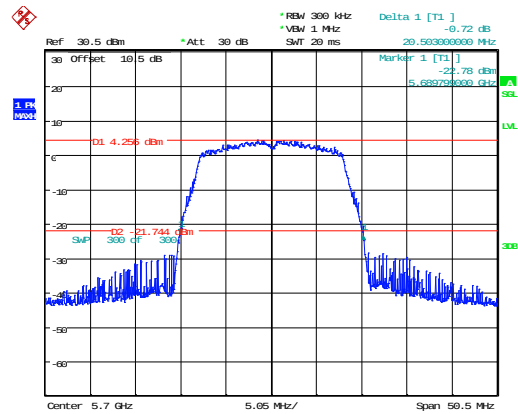
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802.11a_5580MHz



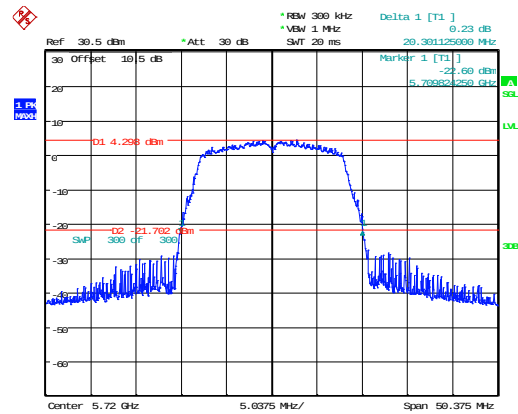
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802.11a_5700MHz



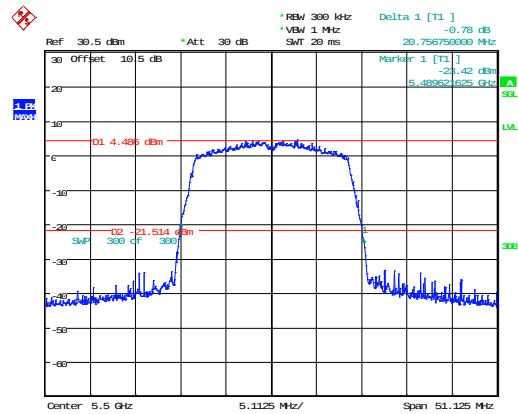
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802.11a_5720MHz



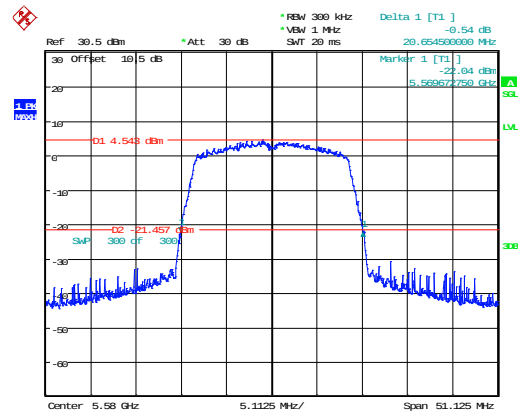
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802.11n20_5500MHz



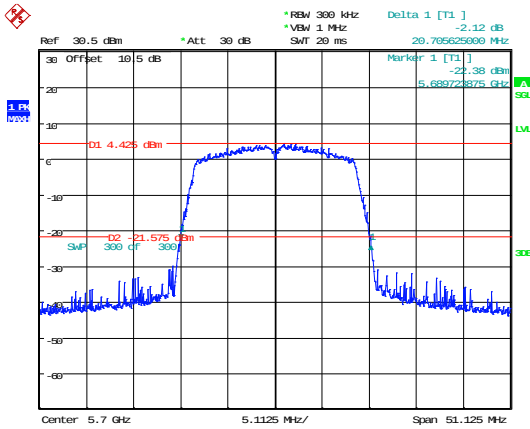
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802.11n20_5580MHz



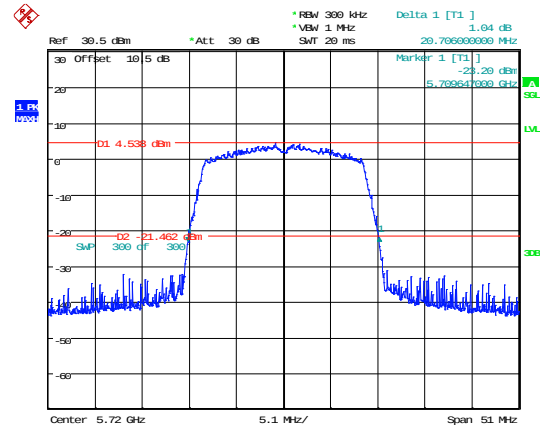
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802.11n20_5700MHz



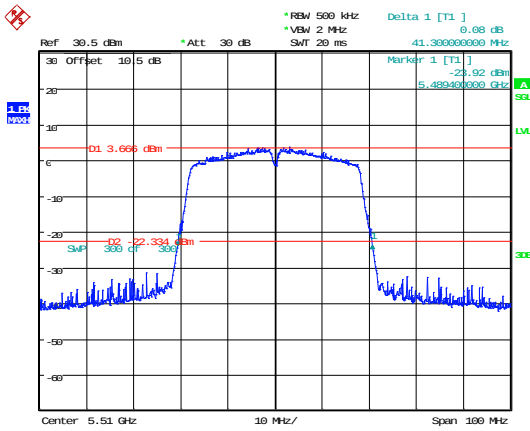
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802.11n20_5720MHz



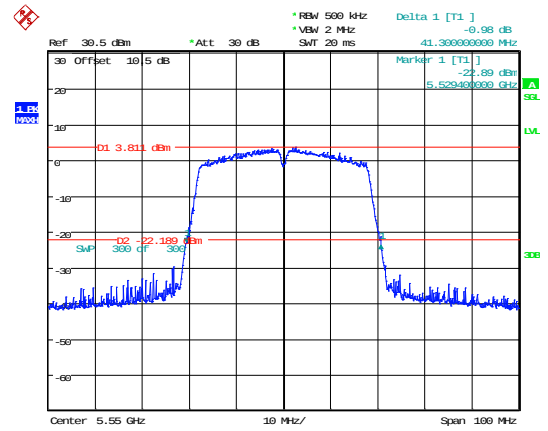
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802.11n40_5510MHz



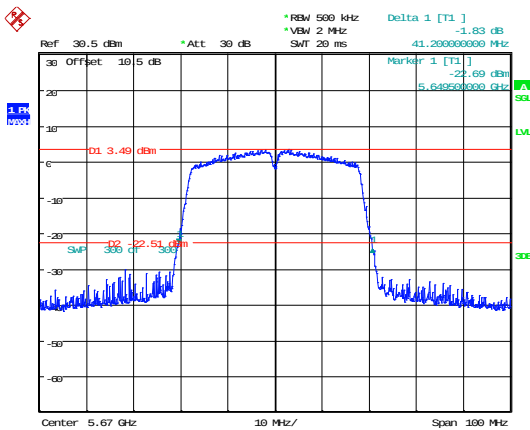
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802.11n40_5550MHz



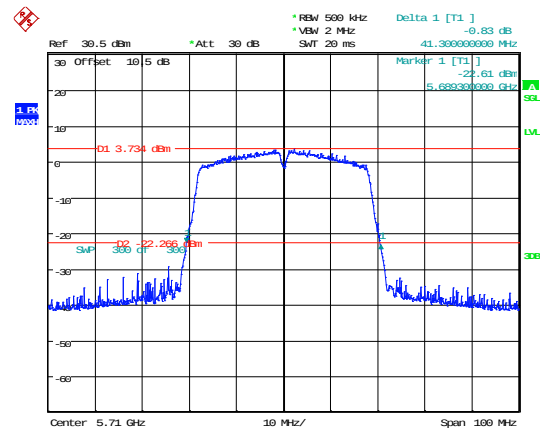
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802.11n40_5670MHz



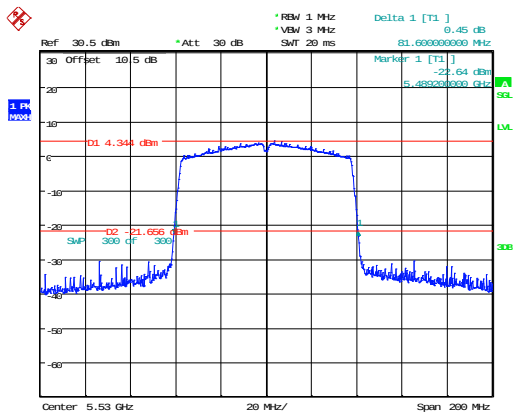
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802.11n40_5710MHz



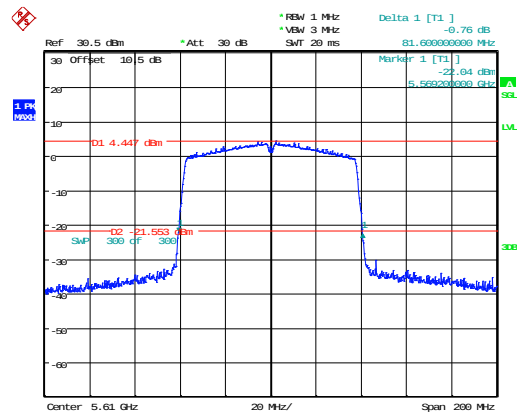
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802.11ac80_5530MHz



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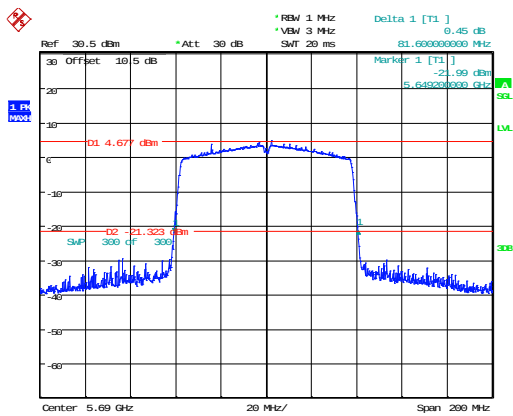
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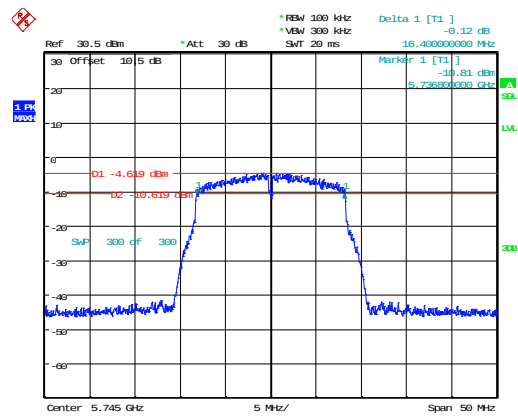
5725-5850MHz

802.11ac80_5690MHz



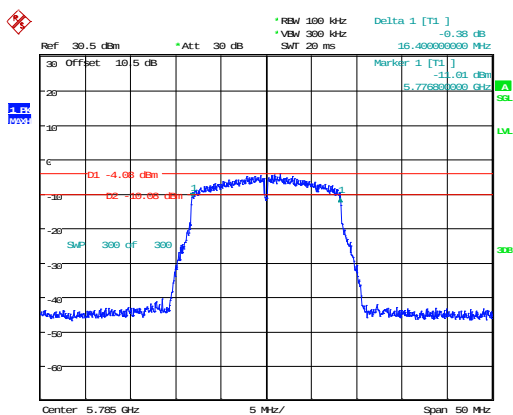
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802.11a_5745MHz



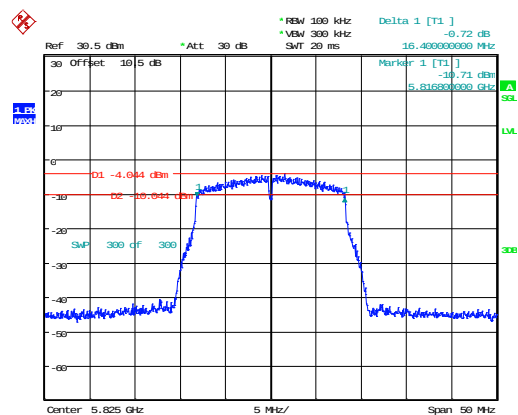
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802.11a_5785MHz



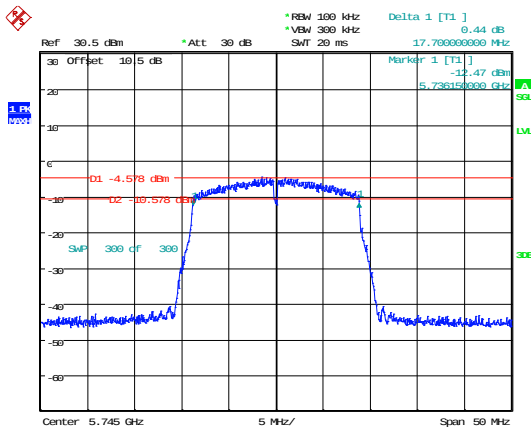
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802.11a_5825MHz



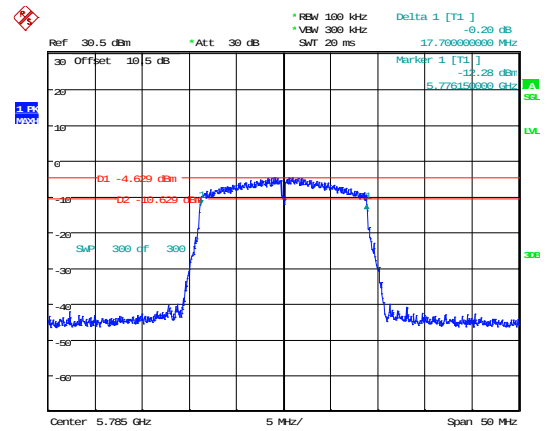
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802.11n20_5745MHz



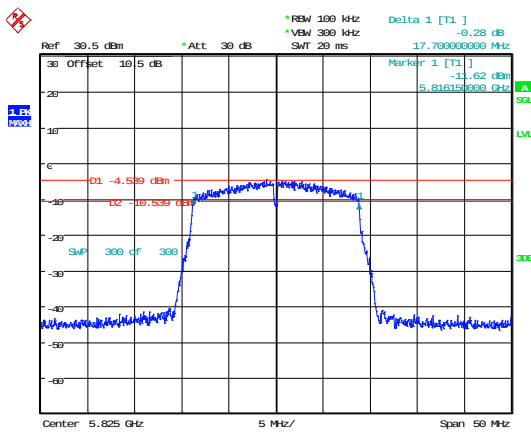
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802.11n20_5785MHz



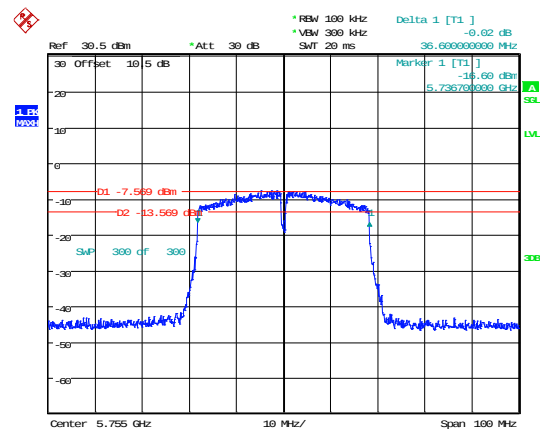
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802.11n20_5825MHz



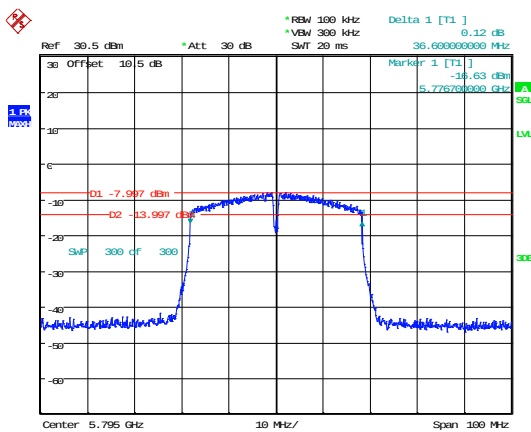
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802.11n40_5755MHz



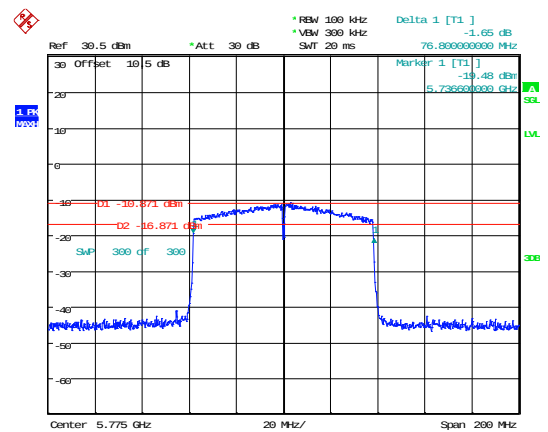
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802.11n40_5795MHz



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 22:14:45

802.11ac80_5775MHz



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 22:37:06

99% Occupied Bandwidth**5150-5250MHz**

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.500
	5200	16.550
	5240	16.600
802.11n20	5180	17.600
	5200	17.600
	5240	17.650
802.11n40	5190	36.200
	5230	36.300
802.11ac80	5210	75.200

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	16.550
	5280	16.600
	5320	16.600
802.11n20	5260	17.650
	5280	17.650
	5320	17.600
802.11n40	5270	36.200
	5310	36.200
802.11ac80	5290	75.400

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	16.600
	5580	16.600
	5700	16.600
	5720	16.600
802.11n20	5500	17.600

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11n20	5580	17.650
	5700	17.600
	5720	17.650
802.11n40	5510	36.200
	5550	36.300
	5670	36.300
	5710	36.300
802.11ac80	5530	75.200
	5610	75.200
	5690	75.200

5725-5850MHz

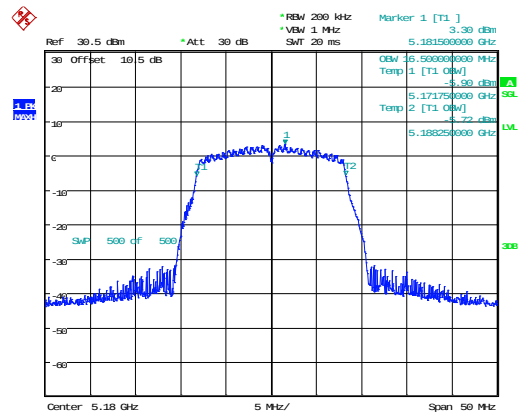
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.550
	5785	16.600
	5825	16.550
802.11n20	5745	17.600
	5785	17.600
	5825	17.650
802.11n40	5755	36.300
	5795	36.200
802.11ac80	5775	75.400

Note:

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

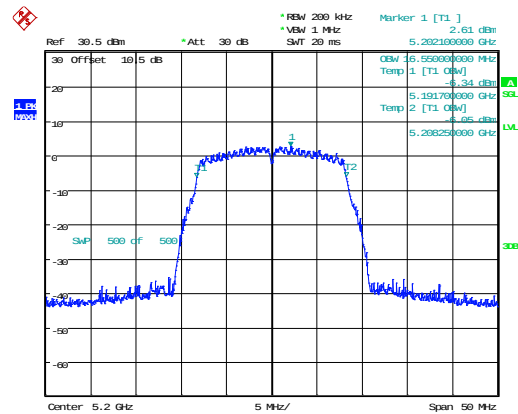
5150-5250MHz

802.11a_5180MHz



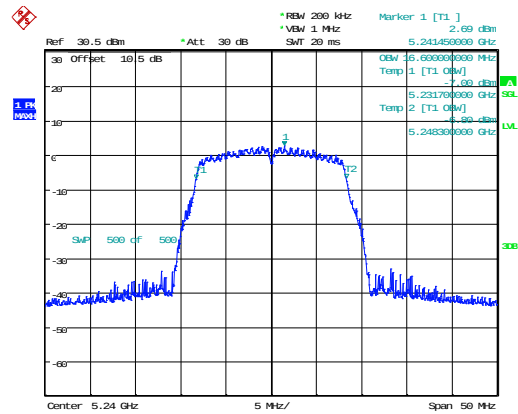
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Date: 13.MAY.2025 20:01:04

802.11a_5200MHz



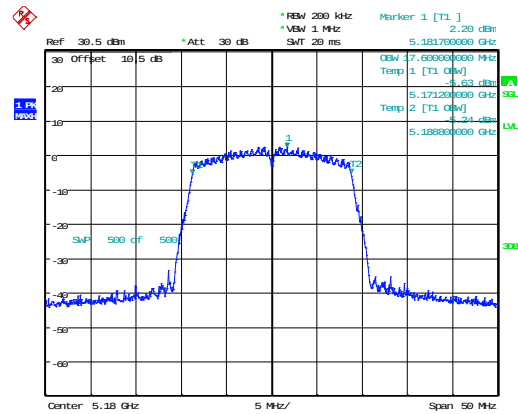
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Date: 13.MAY.2025 20:06:32

802.11a_5240MHz



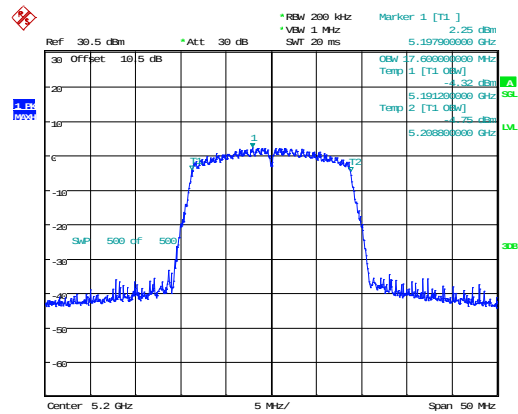
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802.11n20_5180MHz



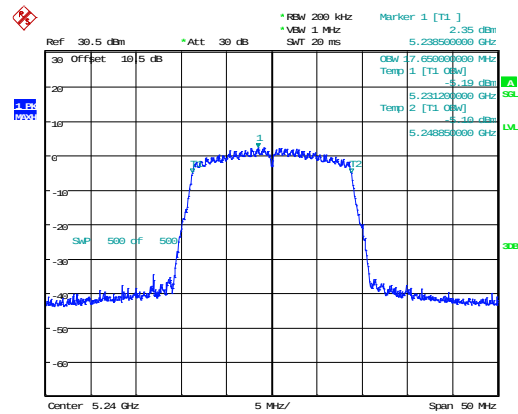
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802.11n20_5200MHz



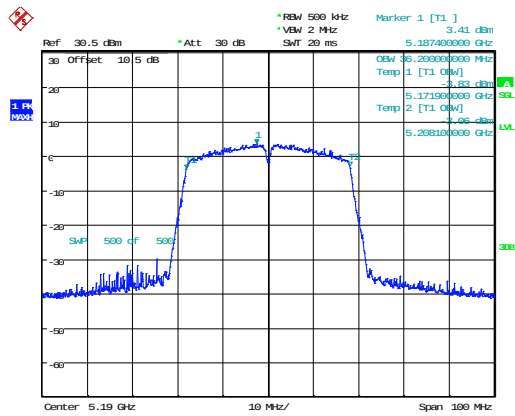
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802.11n20_5240MHz



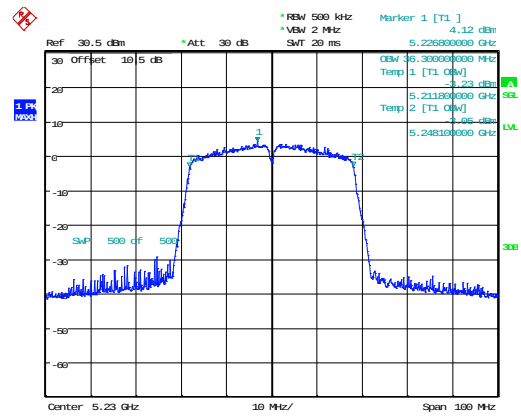
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802.11n40_5190MHz



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Date: 13.MAY.2025 21:43:49

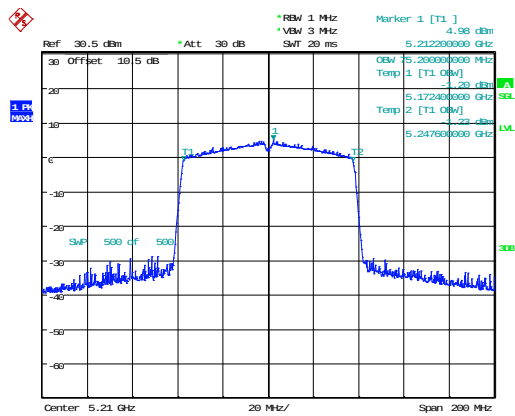
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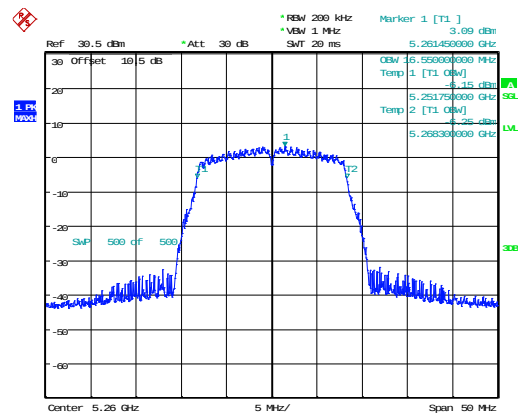
5250-5350MHz

802.11ac80_5210MHz



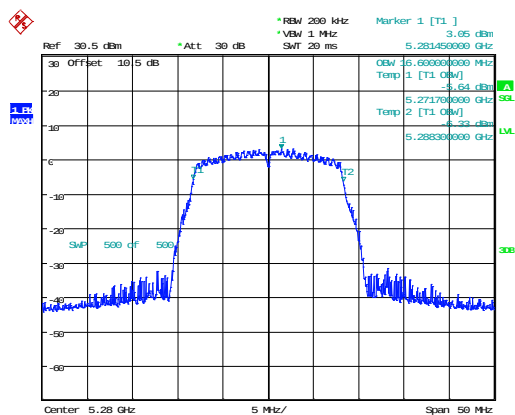
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802.11a_5260MHz



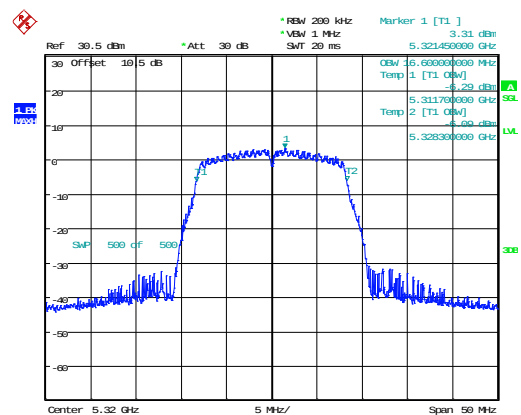
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802.11a_5280MHz



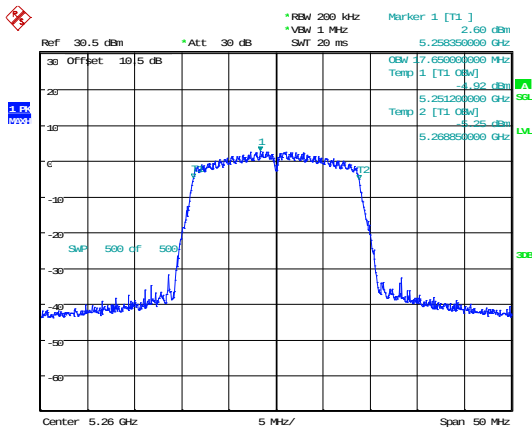
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802.11a_5320MHz



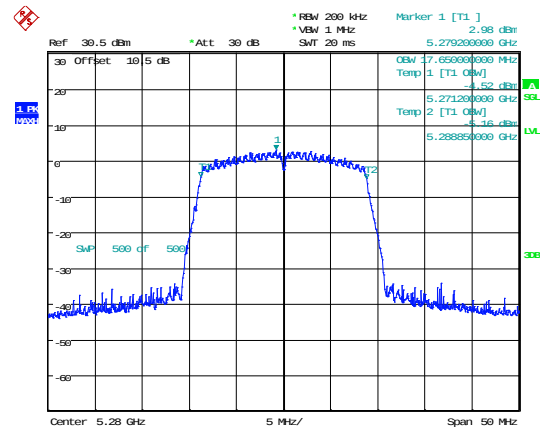
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802.11n20_5260MHz



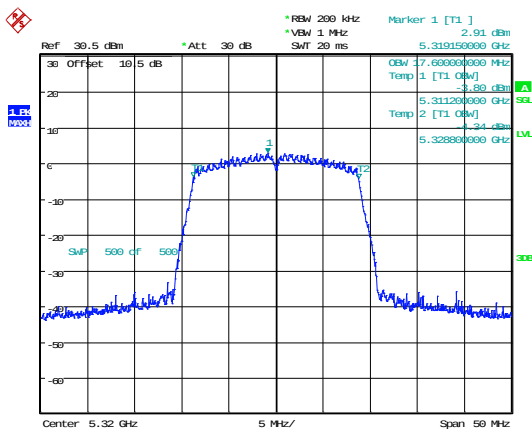
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802.11n20_5280MHz



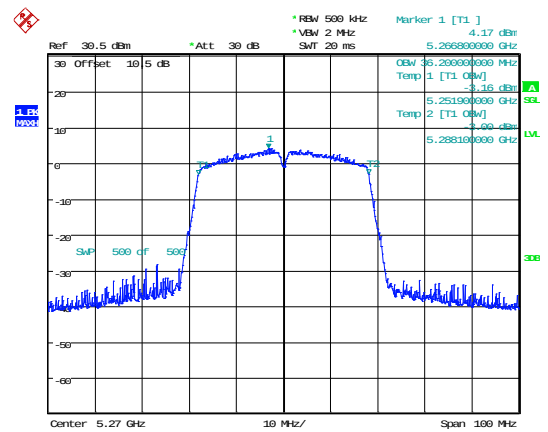
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802.11n20_5320MHz



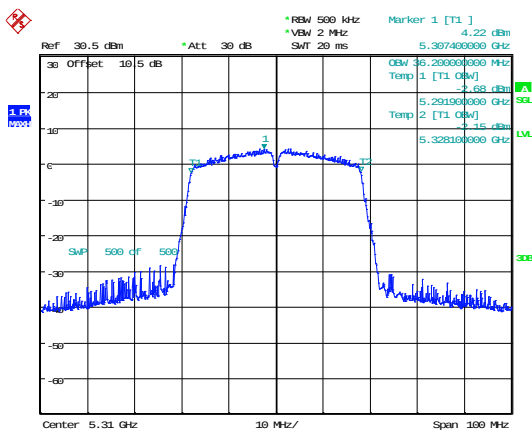
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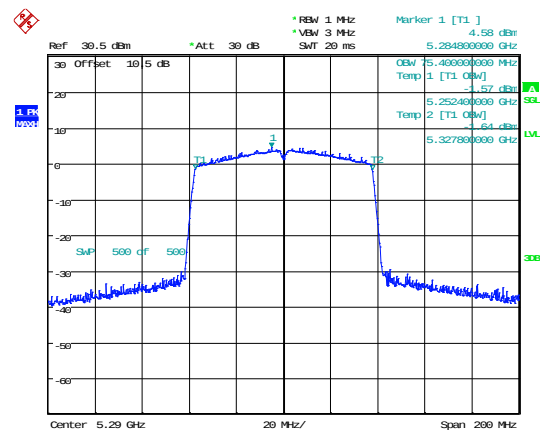
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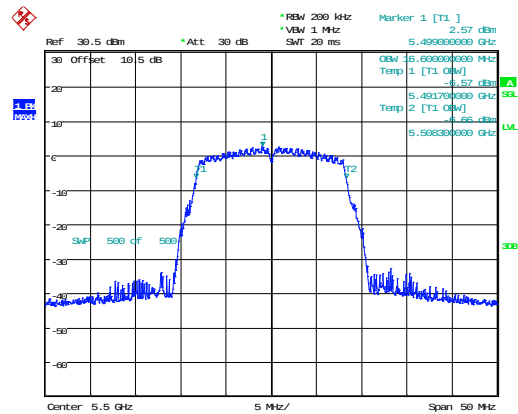
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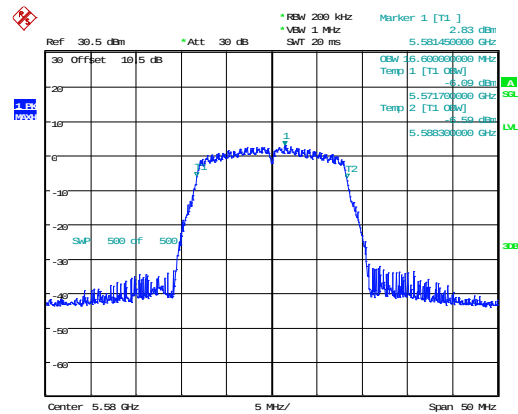
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802.11a_5500MHz



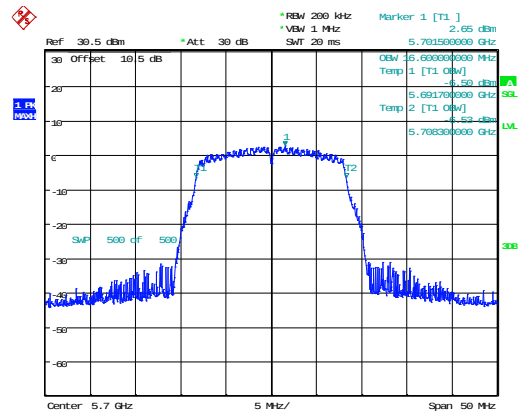
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802.11a_5580MHz



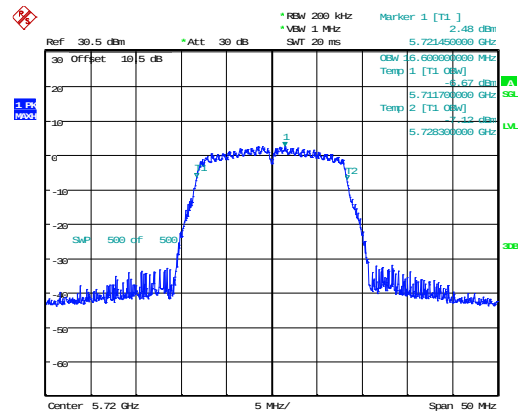
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802.11a_5700MHz



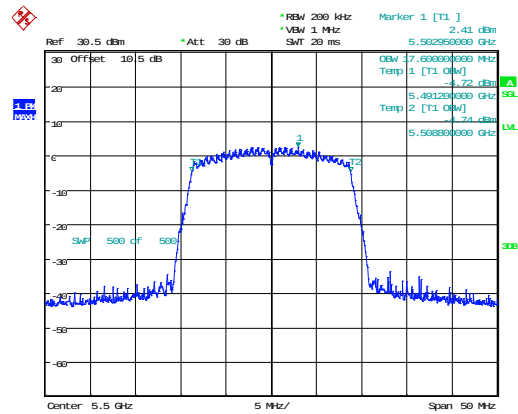
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802.11a_5720MHz



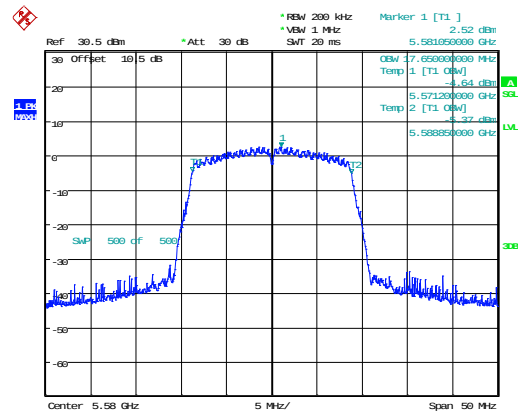
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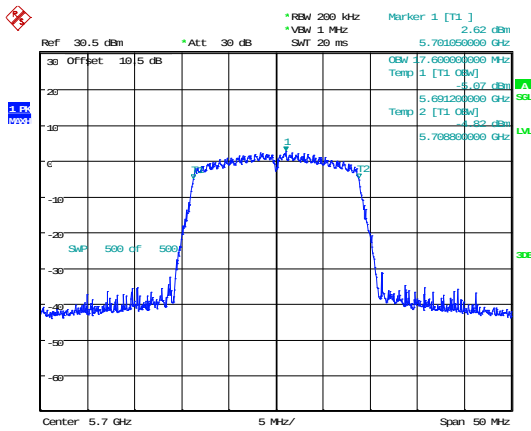
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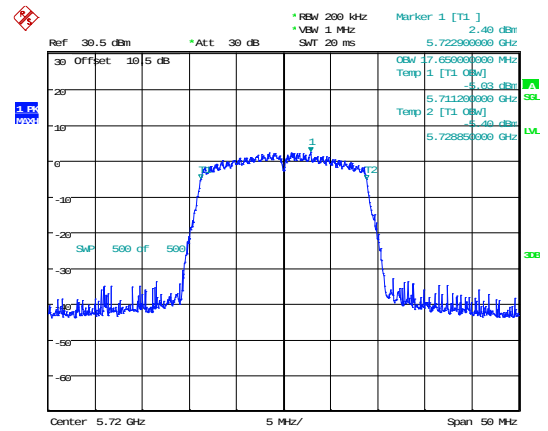
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802.11n20_5700MHz



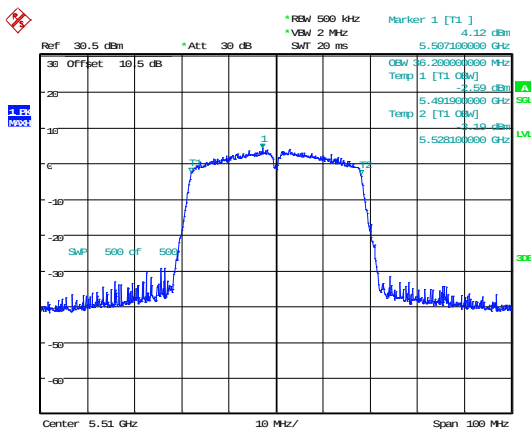
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802.11n20_5720MHz



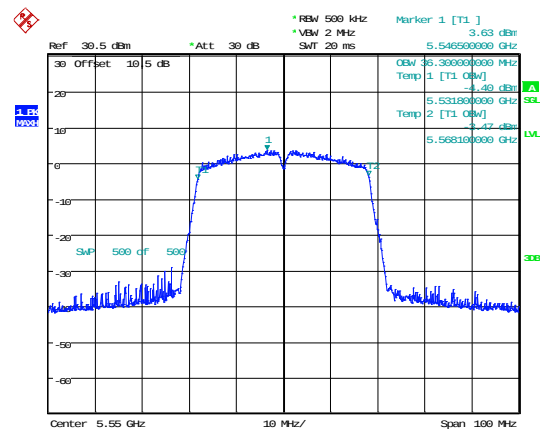
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802.11n40_5510MHz



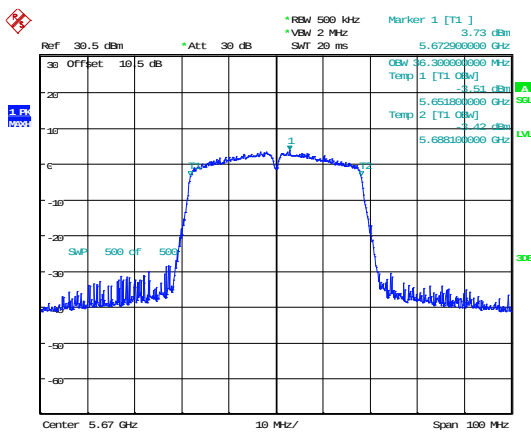
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802.11n40_5550MHz



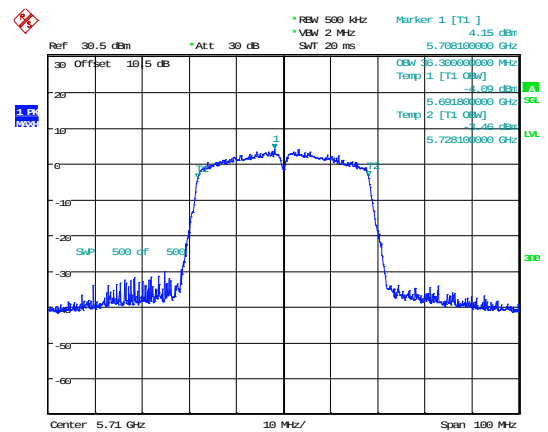
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802.11n40_5670MHz



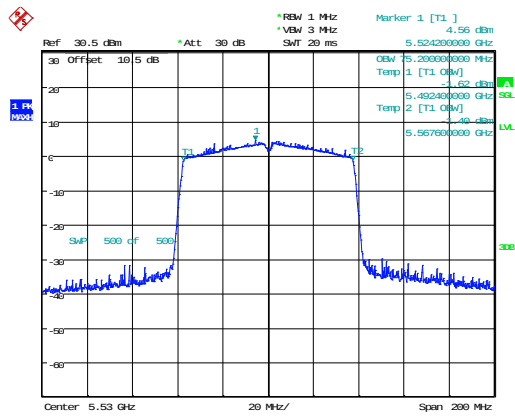
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802.11n40_5710MHz



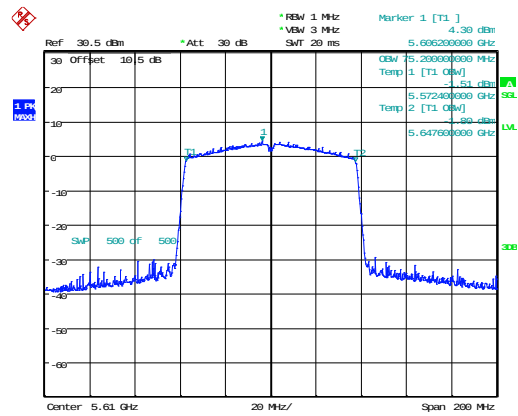
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802.11ac80_5530MHz



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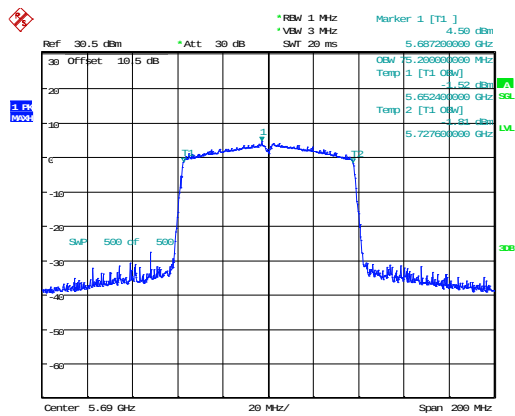
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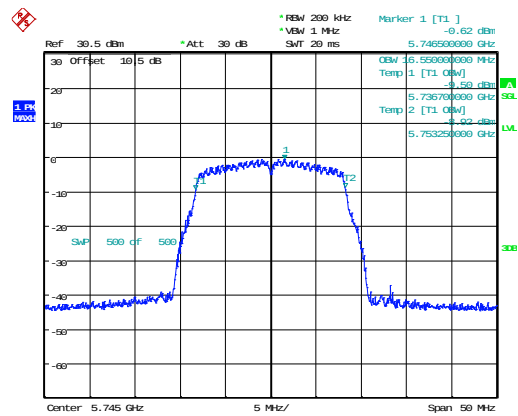
5725-5850MHz

802.11ac80_5690MHz



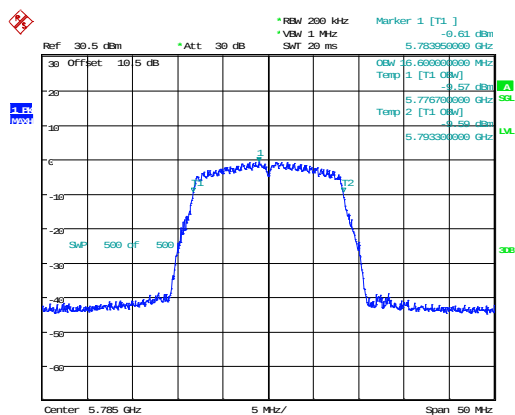
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802.11a_5745MHz



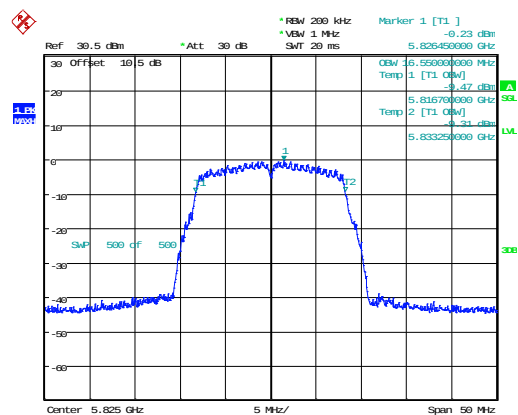
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802.11a_5785MHz



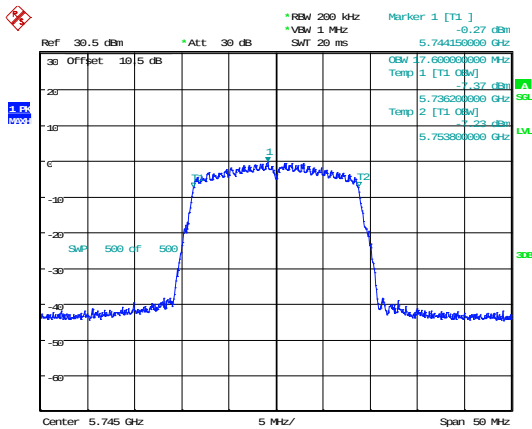
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802.11a_5825MHz



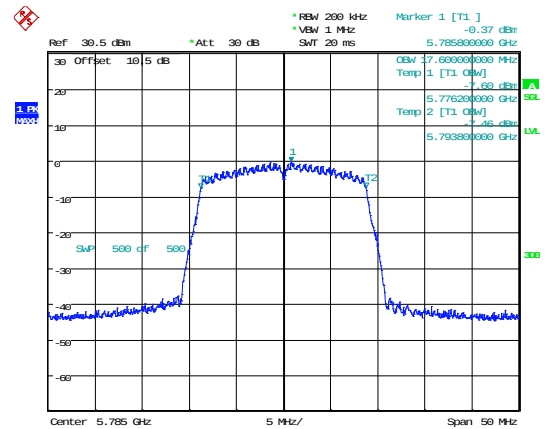
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802.11n20_5745MHz



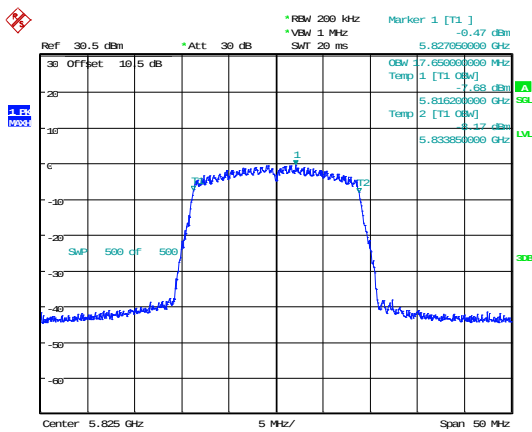
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802.11n20_5785MHz



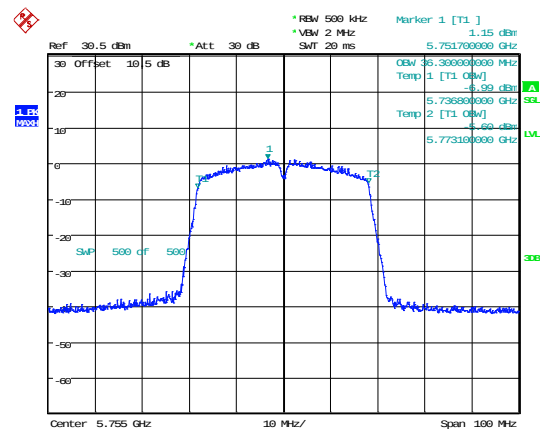
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802.11n20_5825MHz



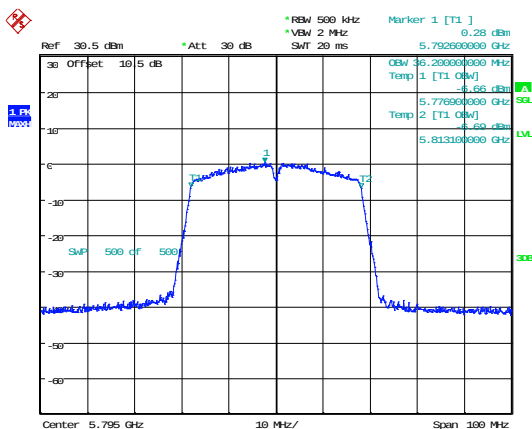
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Date: 13.MAY.2025 21:40:11

802.11n40_5755MHz



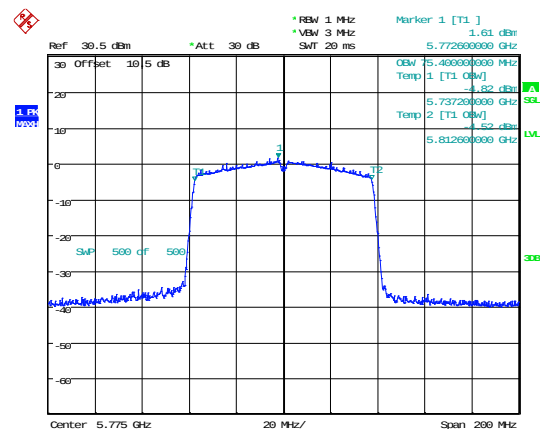
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Date: 13.MAY.2025 22:13:04

802.11n40_5795MHz



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 22:15:54

802.11ac80_5775MHz



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 22:38:16

Maximum Conducted Output Power**5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	12.77	24	Pass
	5200	12.48	24	Pass
	5240	12.21	24	Pass
802.11n20	5180	12.03	24	Pass
	5200	12.36	24	Pass
	5240	12.15	24	Pass
802.11n40	5190	12.33	24	Pass
	5230	12.37	24	Pass
802.11ac80	5210	12.48	24	Pass

Note: The device can work as a client device.

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5260	12.71	24	Pass
	5280	12.81	24	Pass
	5320	12.97	24	Pass
802.11n20	5260	12.51	24	Pass
	5280	12.74	24	Pass
	5320	12.77	24	Pass
802.11n40	5270	12.66	24	Pass
	5310	12.81	24	Pass
802.11ac80	5290	12.51	24	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5500	12.41	24	Pass
	5580	12.44	24	Pass
	5700	12.42	24	Pass
	5720	12.65	24	Pass
802.11n20	5500	12.36	24	Pass
	5580	12.45	24	Pass
	5700	12.31	24	Pass

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11n20	5720	11.48	24	Pass
802.11n40	5510	12.43	24	Pass
	5550	12.34	24	Pass
	5670	12.31	24	Pass
	5710	12.07	24	Pass
802.11ac80	5530	12.21	24	Pass
	5610	12.12	24	Pass
	5690	12.91	24	Pass

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	9.51	30	Pass
	5785	9.47	30	Pass
	5825	9.52	30	Pass
802.11n20	5745	9.57	30	Pass
	5785	9.61	30	Pass
	5825	9.62	30	Pass
802.11n40	5755	9.61	30	Pass
	5795	9.23	30	Pass
802.11ac80	5775	9.39	30	Pass

Power Spectral Density**5150-5250MHz**

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5180	1.72	0	1.72	11	Pass
	5200	1.38	0	1.38	11	Pass
	5240	1.05	0	1.05	11	Pass
802.11n20	5180	0.78	0	0.78	11	Pass
	5200	1.05	0	1.05	11	Pass
	5240	0.84	0	0.84	11	Pass
802.11n40	5190	-1.80	0	-1.80	11	Pass
	5230	-1.79	0	-1.79	11	Pass
802.11ac80	5210	-4.92	0	-4.92	11	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5260	1.61	0	1.61	11	Pass
	5280	1.66	0	1.66	11	Pass
	5320	1.83	0	1.83	11	Pass
802.11n20	5260	1.22	0	1.22	11	Pass
	5280	1.43	0	1.43	11	Pass
	5320	1.48	0	1.48	11	Pass
802.11n40	5270	-1.50	0	-1.50	11	Pass
	5310	-1.32	0	-1.32	11	Pass
802.11ac80	5290	-4.90	0	-4.90	11	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5500	1.27	0	1.27	11	Pass
	5580	1.35	0	1.35	11	Pass
	5700	1.25	0	1.25	11	Pass
	5720	-0.49	0	-0.49	11	Pass
		1.24	0	1.24	30	Pass
802.11n20	5500	1.02	0	1.02	11	Pass
	5580	1.12	0	1.12	11	Pass

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11n20	5700	0.97	0	0.97	11	Pass
	5720	-0.76	0	-0.76	11	Pass
		0.93	0	0.93	30	Pass
802.11n40	5510	-1.71	0	-1.71	11	Pass
	5550	-1.79	0	-1.79	11	Pass
	5670	-1.84	0	-1.84	11	Pass
	5710	-5.31	0	-5.31	11	Pass
		-1.80	0	-1.80	30	Pass
802.11ac80	5530	-5.16	0	-5.16	11	Pass
	5610	-5.20	0	-5.20	11	Pass
	5690	-9.42	0	-9.42	11	Pass
		-5.45	0	-5.45	30	Pass

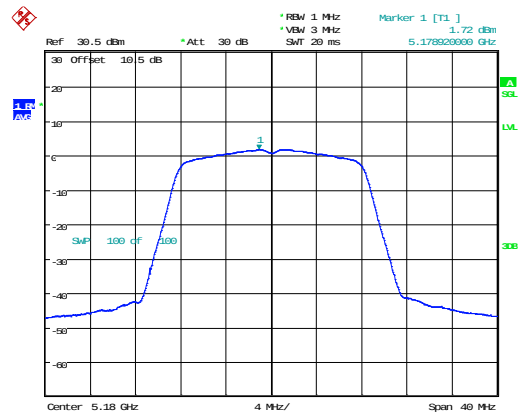
5725-5850MHz

Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	-4.64	0	-4.64	30	Pass
	5785	-4.65	0	-4.65	30	Pass
	5825	-4.61	0	-4.61	30	Pass
802.11n20	5745	-4.85	0	-4.85	30	Pass
	5785	-4.73	0	-4.73	30	Pass
	5825	-4.91	0	-4.91	30	Pass
802.11n40	5755	-7.69	0	-7.69	30	Pass
	5795	-7.93	0	-7.93	30	Pass
802.11ac80	5775	-11.20	0	-11.20	30	Pass

Result = Reading + Duty Cycle Factor

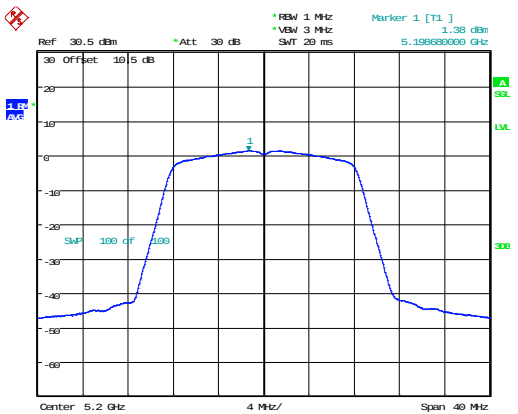
5150-5250MHz

802.11a_5180MHz



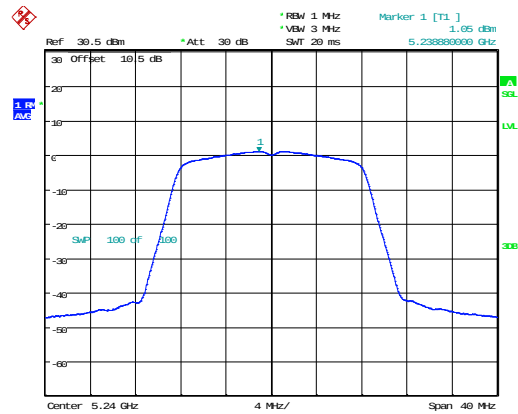
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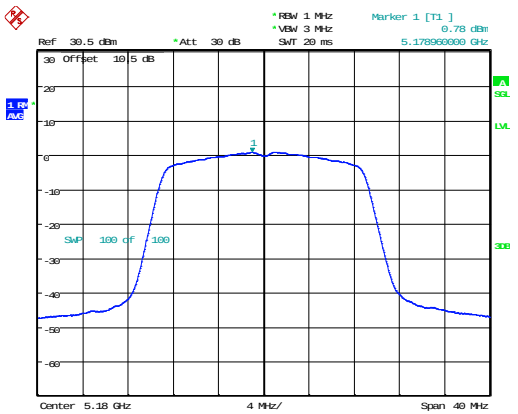
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802.11a_5240MHz



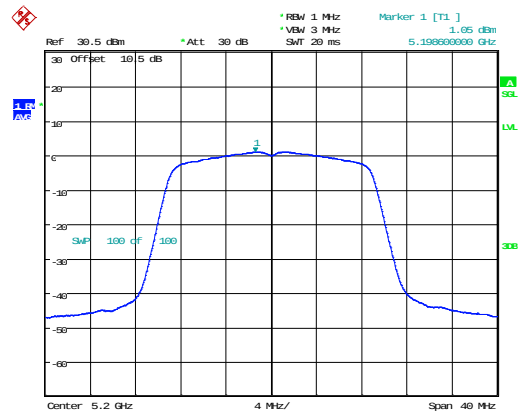
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802.11n20_5180MHz



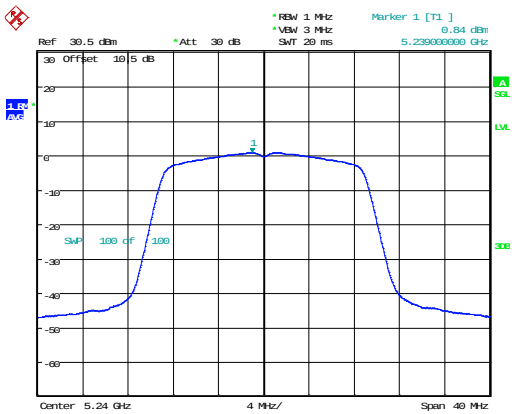
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802.11n20_5200MHz



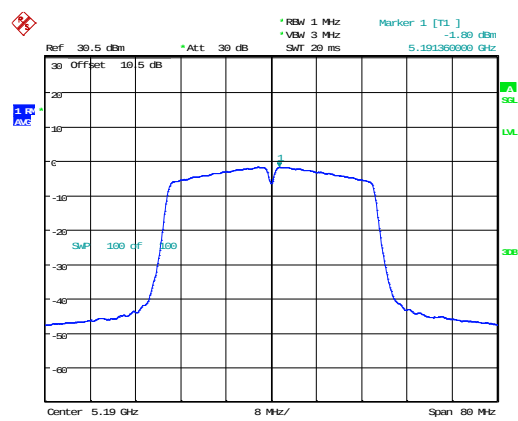
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802.11n20_5240MHz



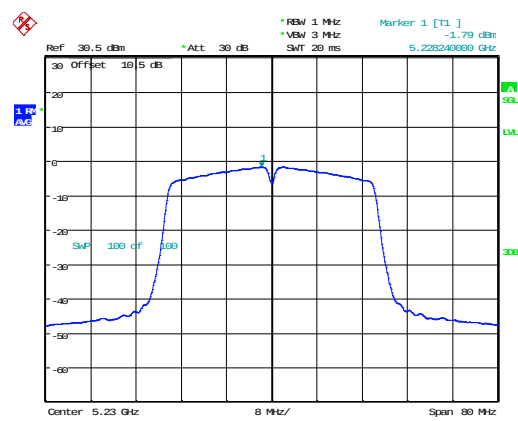
ProjectNo.:2503S20876E-RF Tester:Chin Qin
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802.11n40_5190MHz



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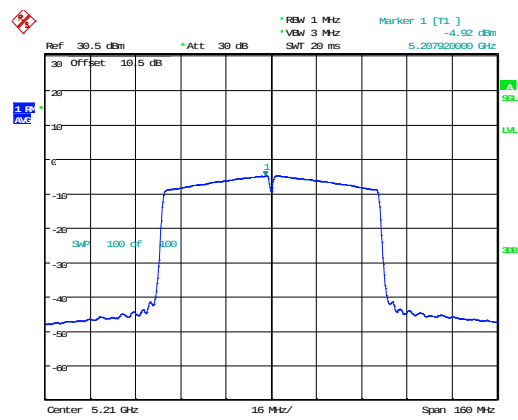
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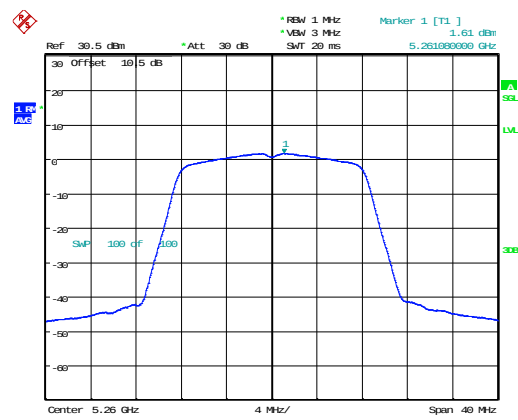
5250-5350MHz

802.11ac80_5210MHz



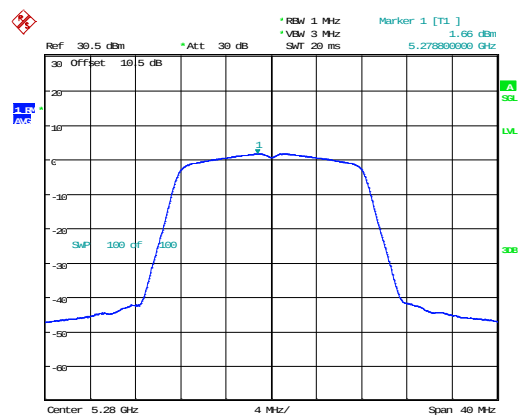
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 22:19:51

802.11a_5260MHz



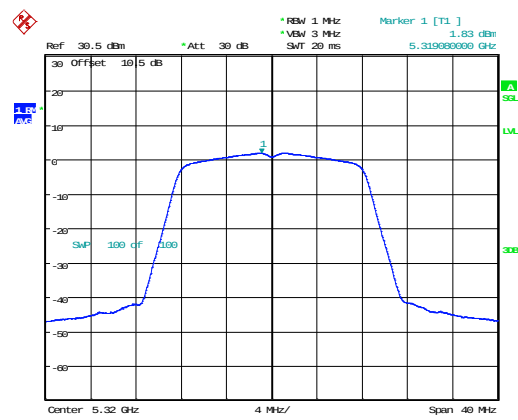
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Date: 13.MAY.2025 20:15:13

802.11a_5280MHz



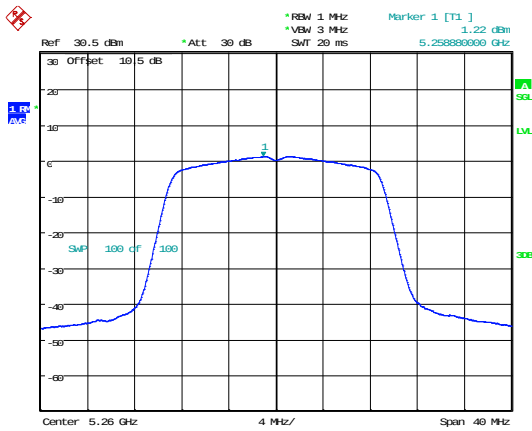
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802.11a_5320MHz



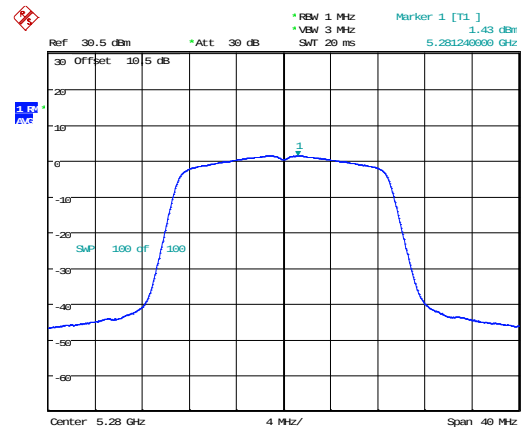
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Date: 13.MAY.2025 20:20:29

802.11n20_5260MHz



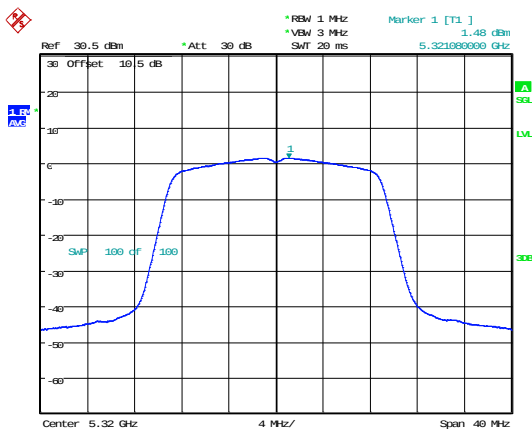
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Date: 13.MAY.2025 21:14:21

802.11n20_5280MHz



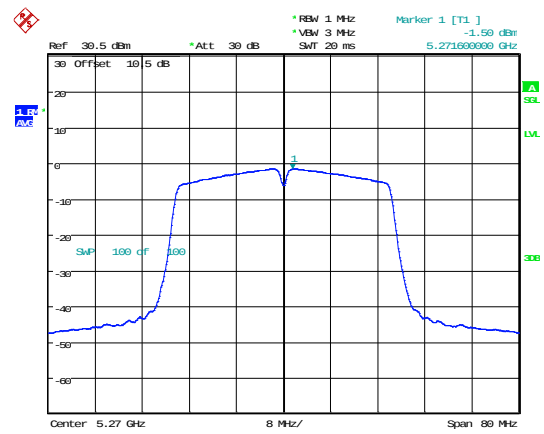
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Date: 13.MAY.2025 21:16:44

802.11n20_5320MHz



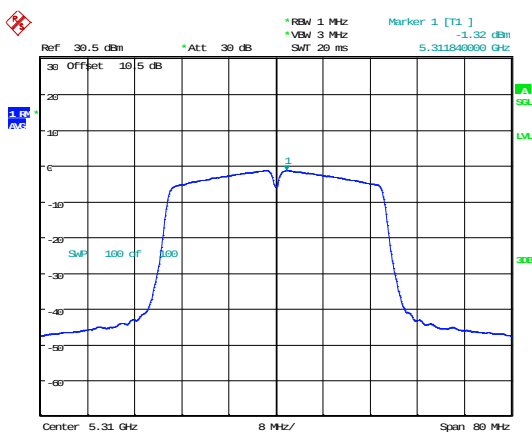
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Date: 13.MAY.2025 21:19:19

802.11n40_5270MHz



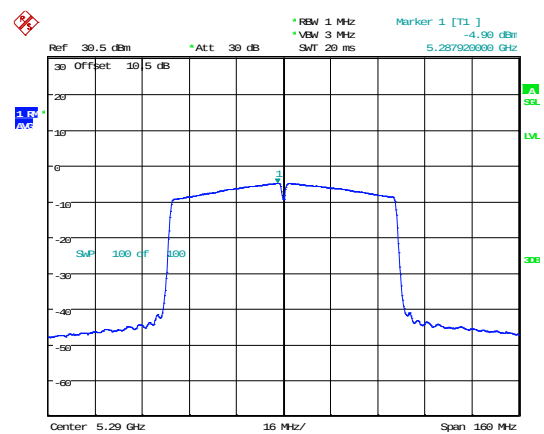
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Date: 13.MAY.2025 21:50:01

802.11n40_5310MHz



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Date: 13.MAY.2025 21:52:51

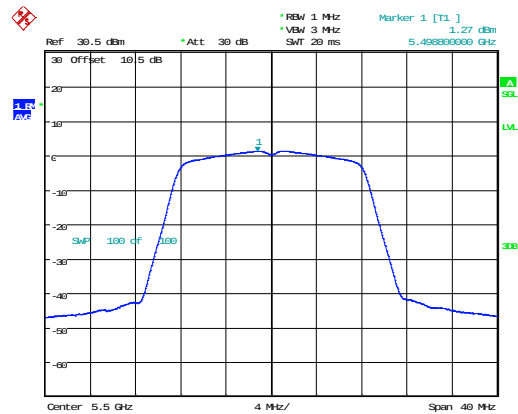
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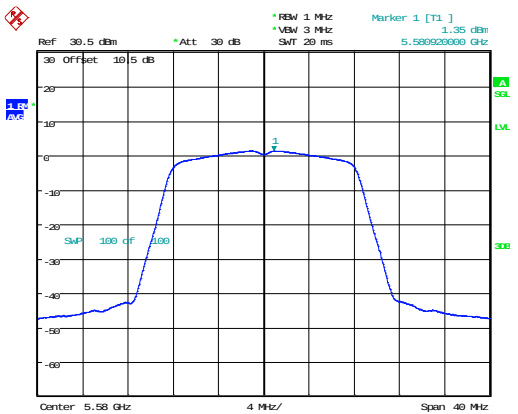
5470-5725MHz

802.11a_5500MHz



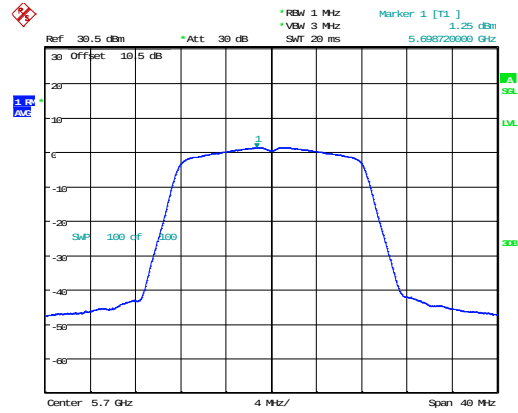
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Date: 13.MAY.2025 20:22:50

802.11a_5580MHz



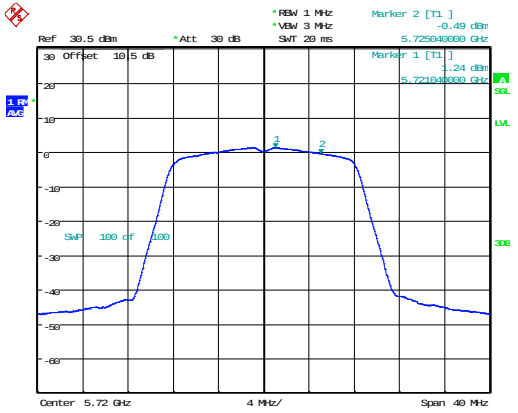
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Date: 13.MAY.2025 20:25:42

802.11a_5700MHz



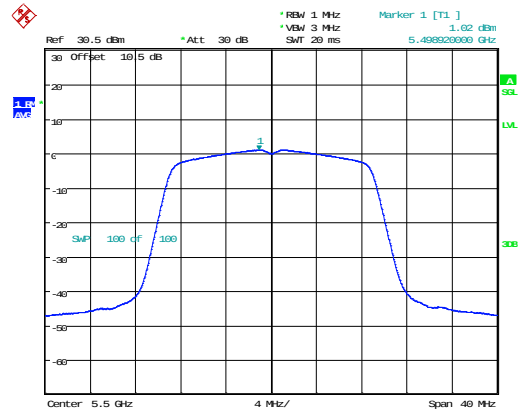
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Date: 13.MAY.2025 20:35:16

802.11a_5720MHz



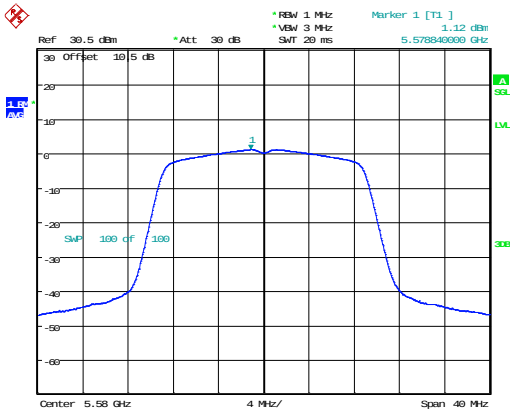
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802.11n20_5500MHz



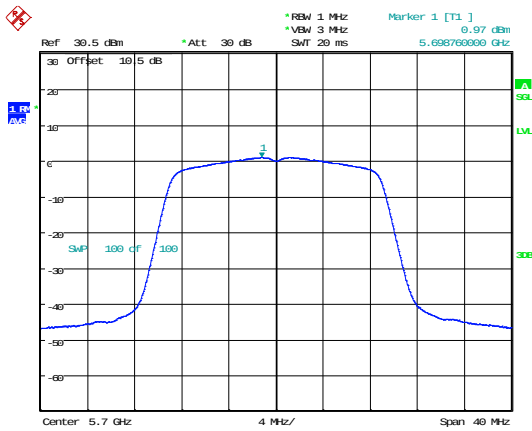
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802.11n20_5580MHz



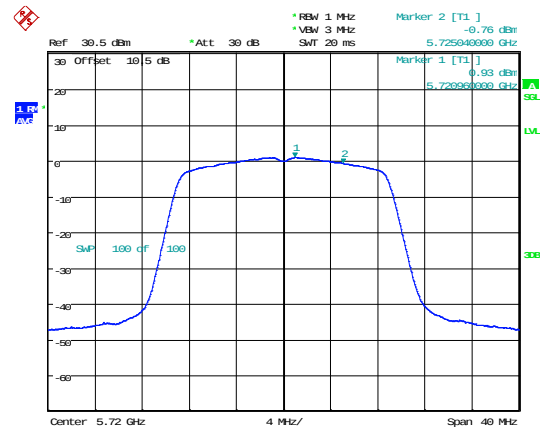
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802.11n20_5700MHz



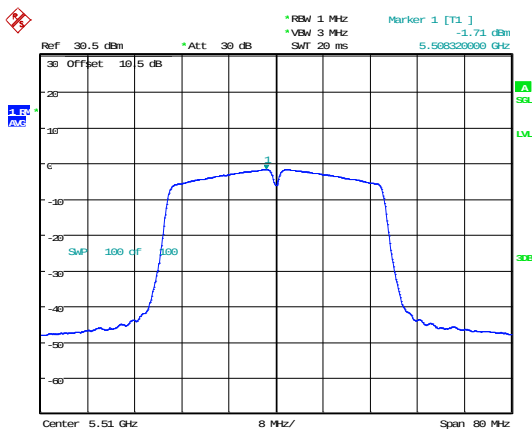
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802.11n20_5720MHz



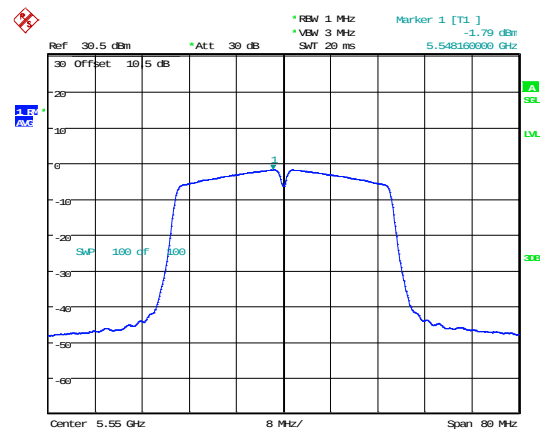
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 21:32:44

802.11n40_5510MHz



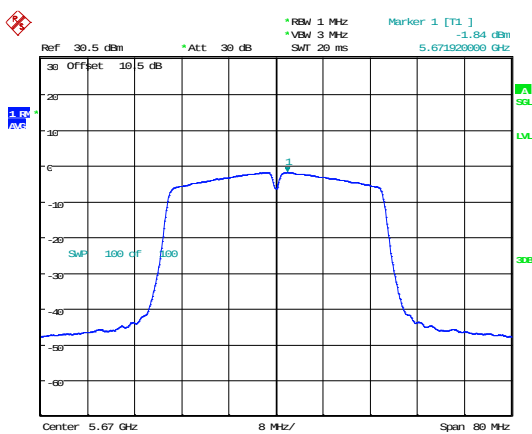
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Date: 13.MAY.2025 21:56:39

802.11n40_5550MHz



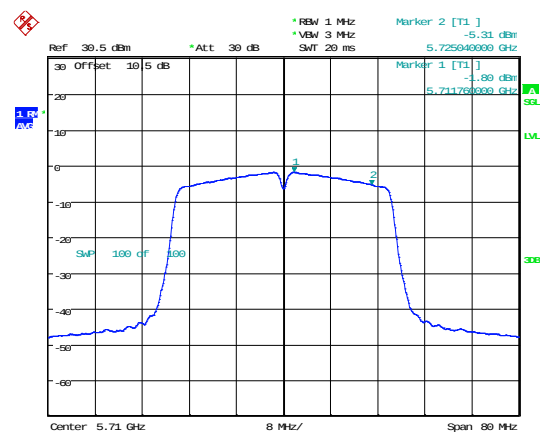
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Date: 13.MAY.2025 21:59:30

802.11n40_5670MHz



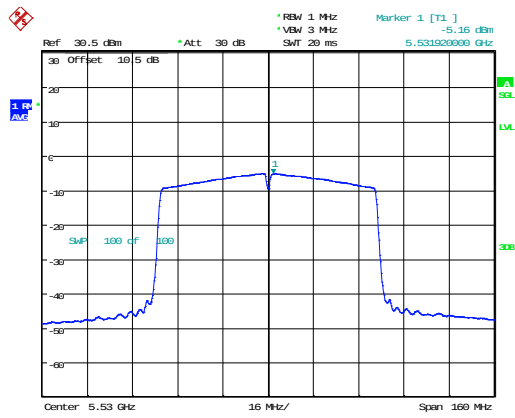
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Date: 13.MAY.2025 22:03:05

802.11n40_5710MHz



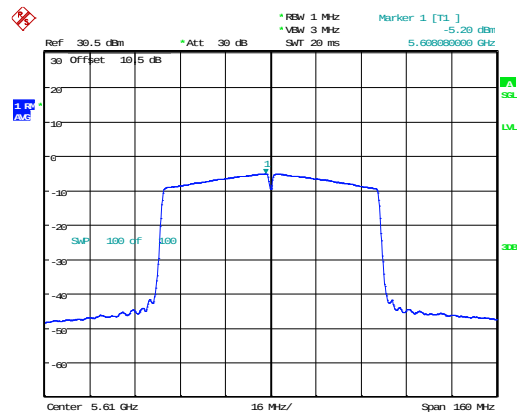
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 22:07:17

802.11ac80_5530MHz



ProjectNo.:2503S20876E-RF Tester:Chin Qin
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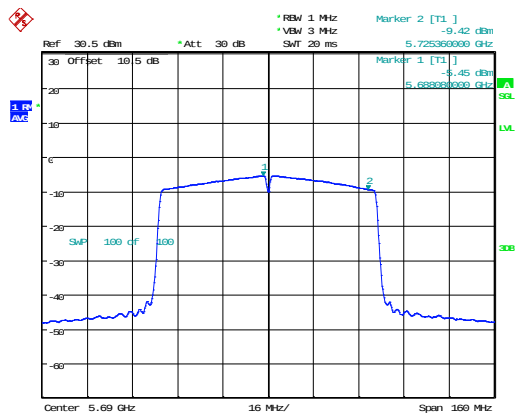
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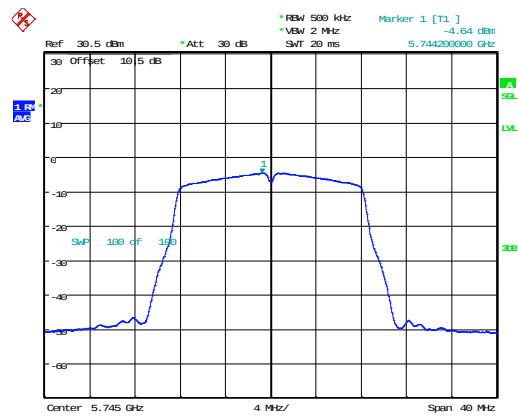
5725-5850MHz

802.11ac80_5690MHz



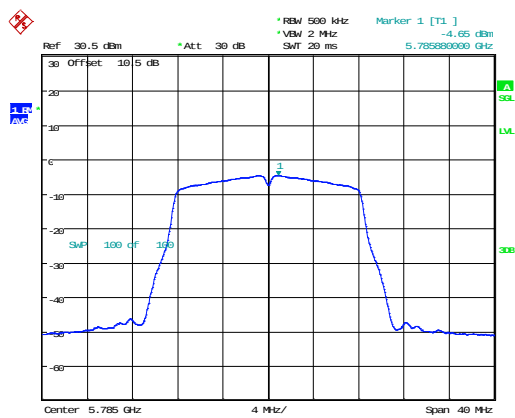
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Date: 13.MAY.2025 22:41:42

802.11a_5745MHz



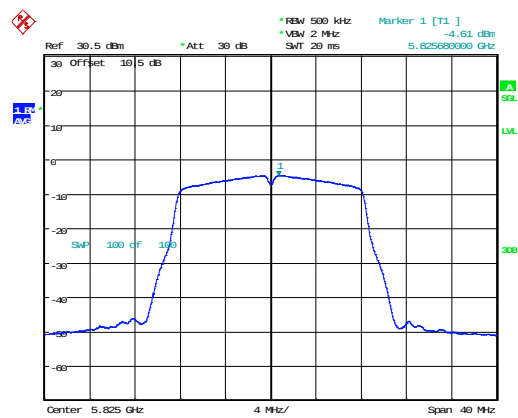
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Date: 13.MAY.2025 20:40:44

802.11a_5785MHz



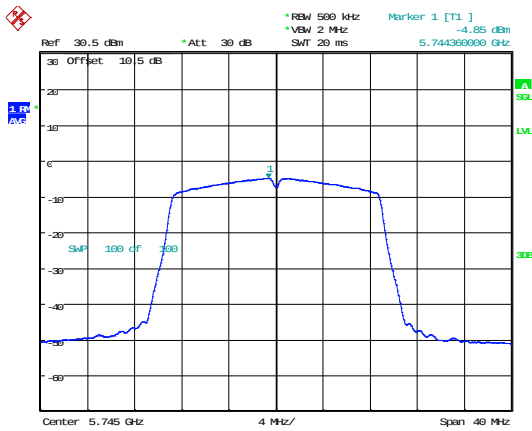
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Date: 13.MAY.2025 20:42:45

802.11a_5825MHz



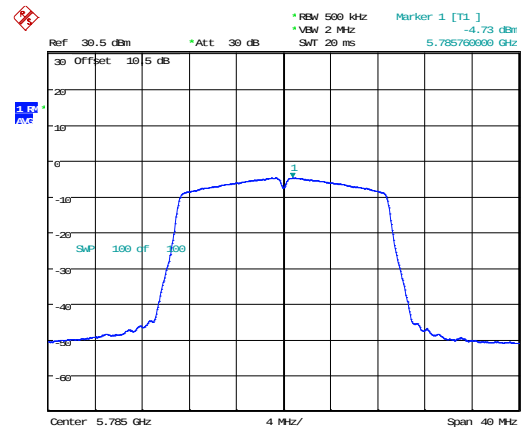
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802.11n20_5745MHz



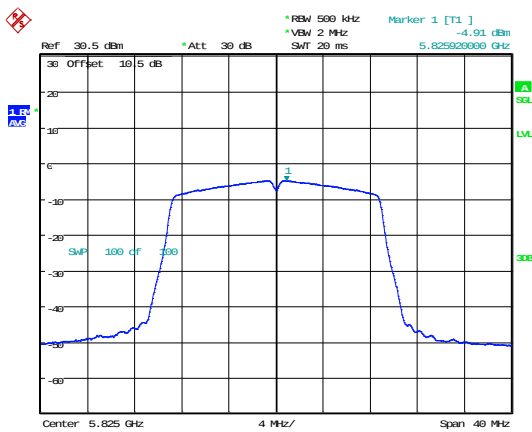
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802.11n20_5785MHz



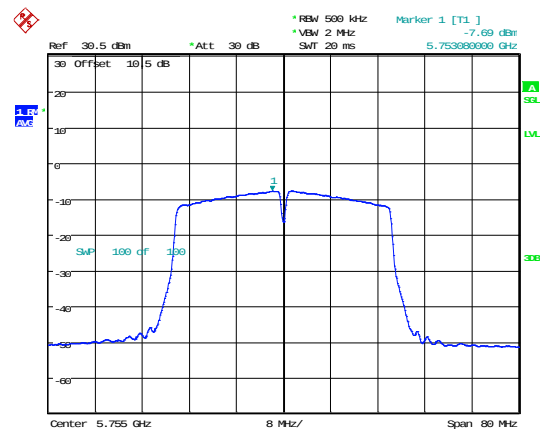
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Date: 13.MAY.2025 21:37:49

802.11n20_5825MHz



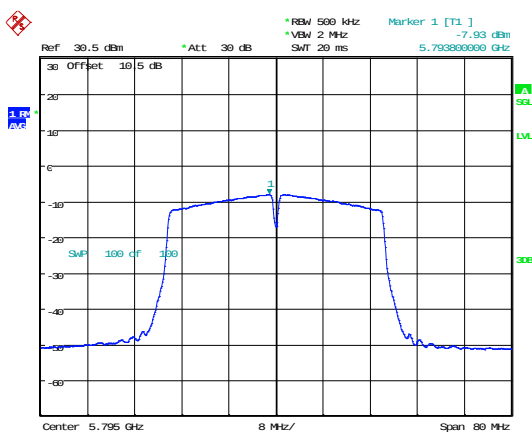
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Date: 13.MAY.2025 21:40:50

802.11n40_5755MHz



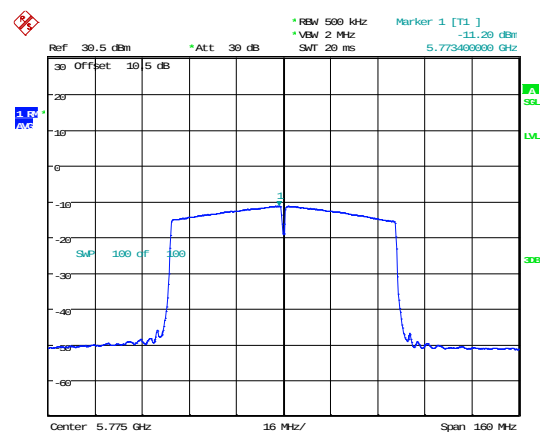
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Date: 13.MAY.2025 22:13:44

802.11n40_5795MHz



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 22:16:34

802.11ac80_5775MHz



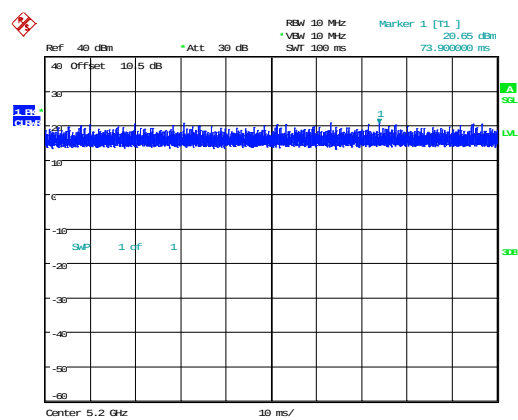
ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 22:39:06

Duty Cycle

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	100	100	100	0	NA	0.010
802.11n20	5200	100	100	100	0	NA	0.010
802.11n40	5190	100	100	100	0	NA	0.010
802.11ac80	5210	100	100	100	0	NA	0.010

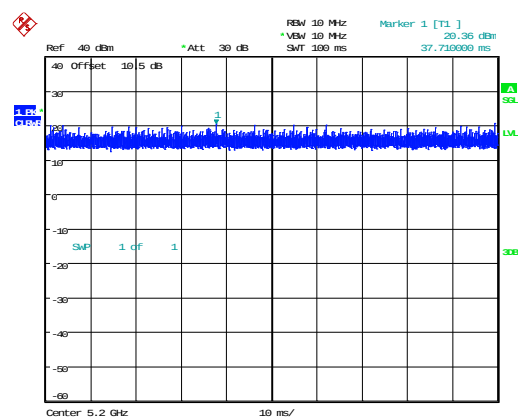
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz



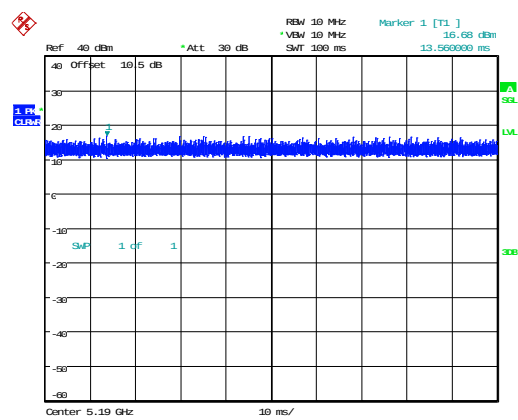
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Date: 13.MAY.2025 19:55:40

802.11n20_5200MHz



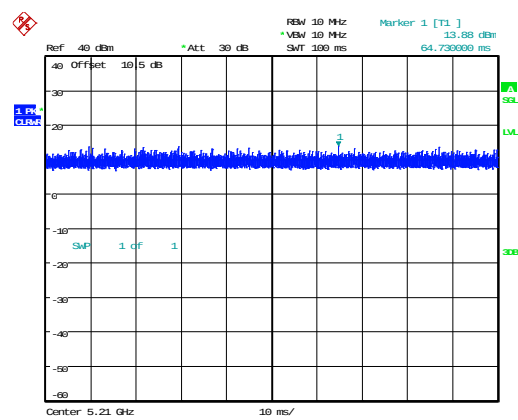
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Date: 13.MAY.2025 19:56:22

802.11n40_5190MHz



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 19:57:05

802.11ac80_5210MHz



ProjectNo.:2503S20876E-RF Tester:Chin Qin
Date: 13.MAY.2025 19:57:42