

Test Information:

Sample No.:	2Z6H-2	Test Date:	2025/04/01
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chin Qin	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.8	Relative Humidity: (%)	46	ATM Pressure: (kPa)	101.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Average Power Sensor	U2001H	MY50000380	2025/03/31	2026/03/30
R&S	Spectrum Analyzer	FSU26	200256	2025/03/31	2026/03/30
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	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).

Emission Bandwidth

26dB Emission Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	41.948
	5200	38.639
	5240	36.271
802.11n20	5180	43.249
	5200	40.946
	5240	41.907
802.11n40	5190	71.050
	5230	71.050
802.11ac80	5210	102.765

5250-5350MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5260	36.617
	5280	28.714
	5320	37.391
802.11n20	5260	42.480
	5280	41.174
	5320	41.461
802.11n40	5270	70.847
	5310	70.686
802.11ac80	5290	104.951

5470-5725MHz

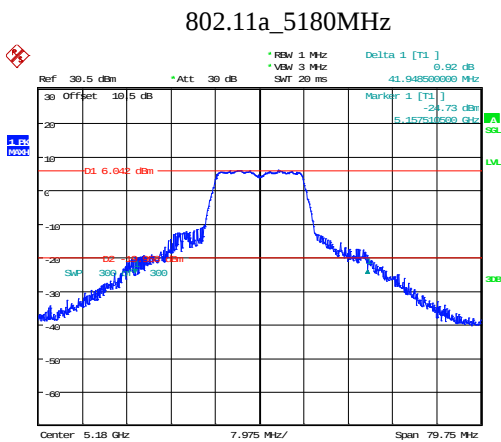
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802.11a	5500	37.938
	5580	35.163
	5700	29.304
802.11n20	5500	41.682
	5580	41.166
	5700	41.671

Mode	Test Frequency (MHz)	Result (MHz)
802.11n40	5510	62.373
	5550	62.373
	5670	70.253
802.11ac80	5530	87.200
	5610	87

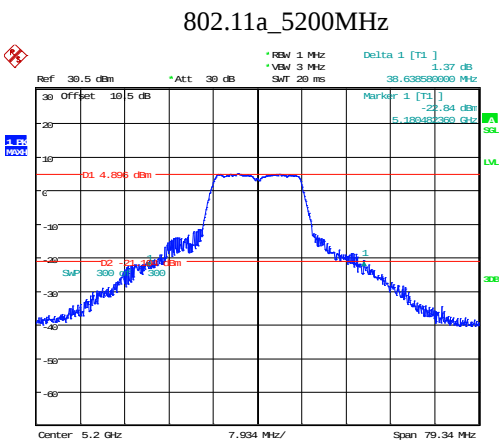
6dB Emission Bandwidth
5725-5850MHz

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	16.400	0.5	Pass
	5785	16.400	0.5	Pass
	5825	16.450	0.5	Pass
802.11n20	5745	17.400	0.5	Pass
	5785	17.350	0.5	Pass
	5825	17.400	0.5	Pass
802.11n40	5755	35.500	0.5	Pass
	5795	35.800	0.5	Pass
802.11ac80	5775	76.200	0.5	Pass

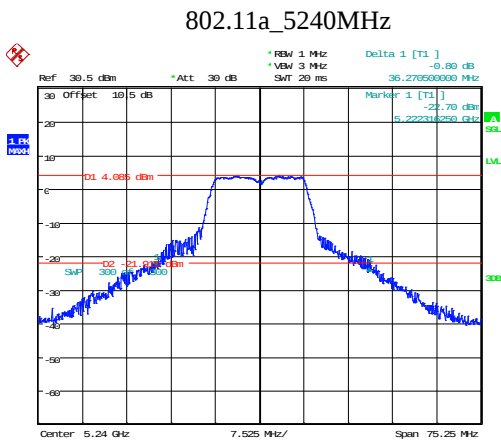
5150-5250MHz



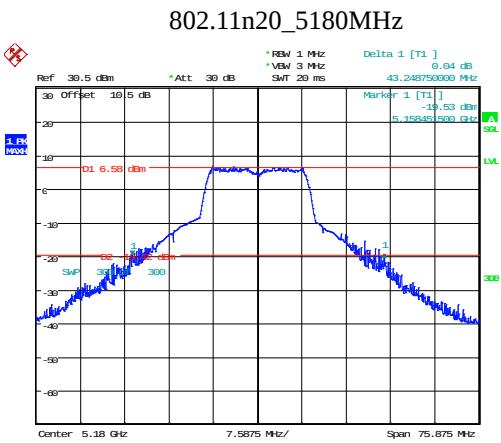
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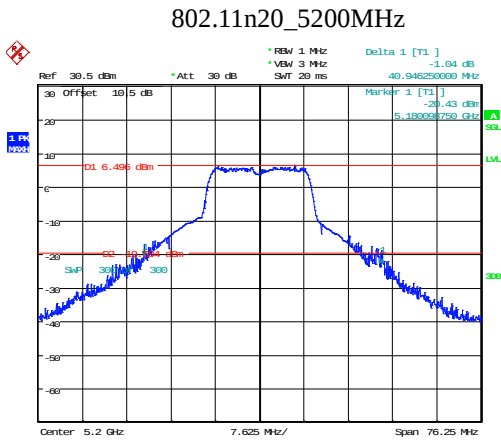
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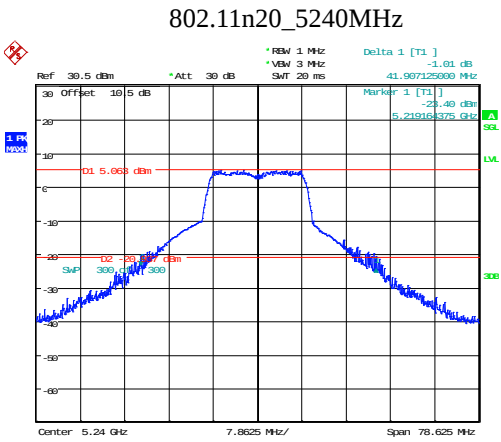
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Date: 1.APR.2025 19:28:07



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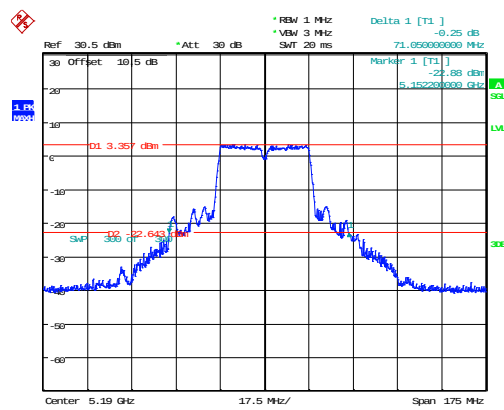


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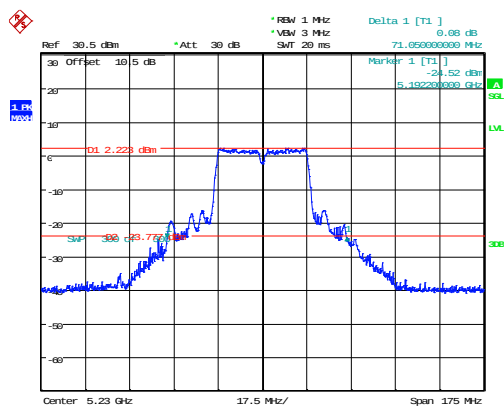
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Date: 1.APR.2025 21:24:19

802.11n40_5190MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 22:18:53

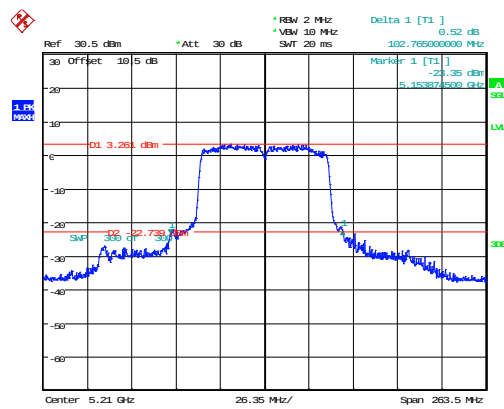
802.11n40_5230MHz



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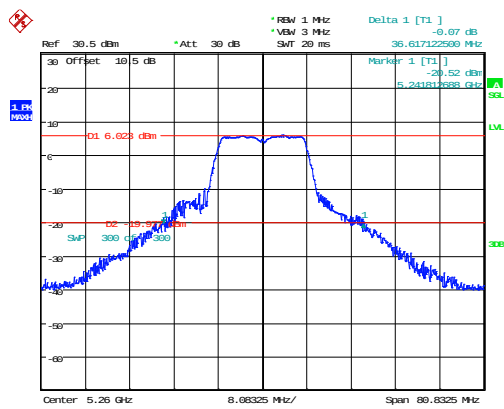
5250-5350MHz

802.11ac80_5210MHz



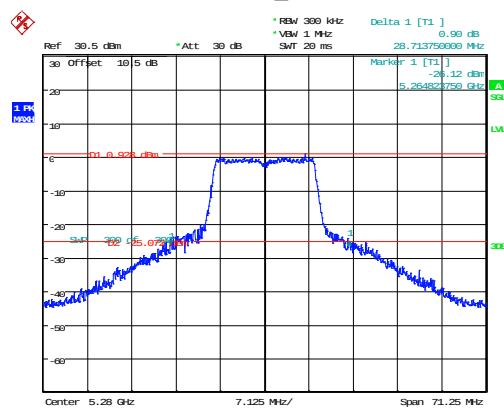
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802.11a_5260MHz



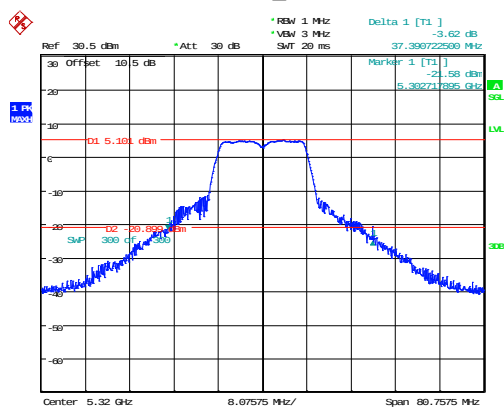
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802.11a_5280MHz



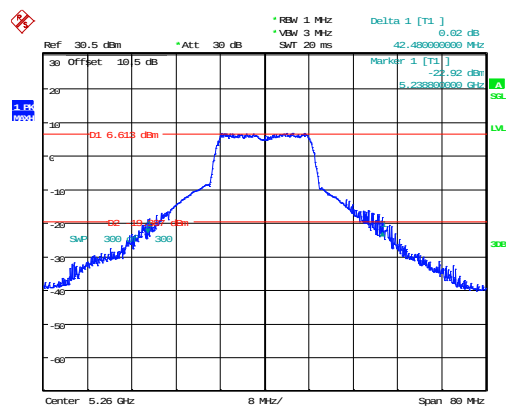
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Date: 1.APR.2025 20:02:26

802.11a_5320MHz



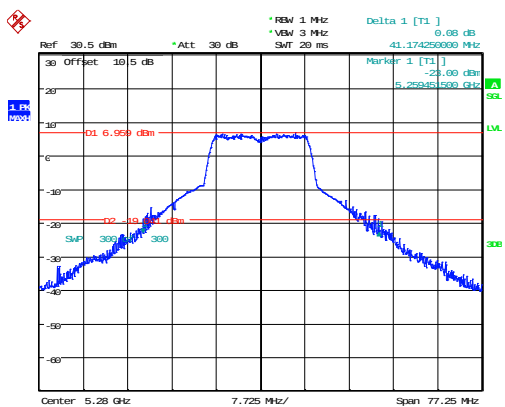
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802.11n20_5260MHz



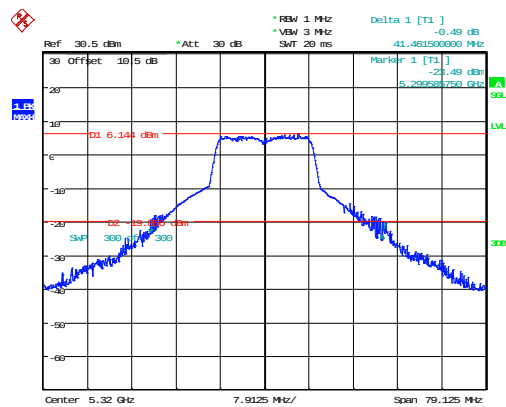
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802.11n20_5280MHz



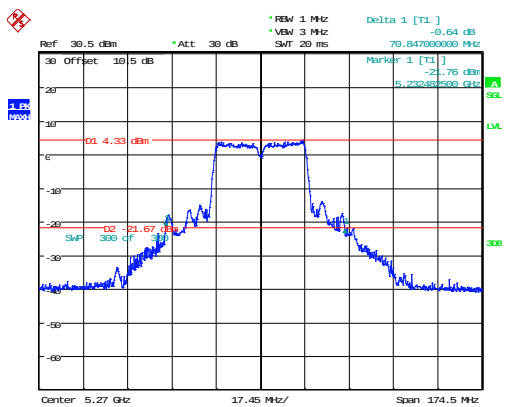
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802.11n20_5320MHz



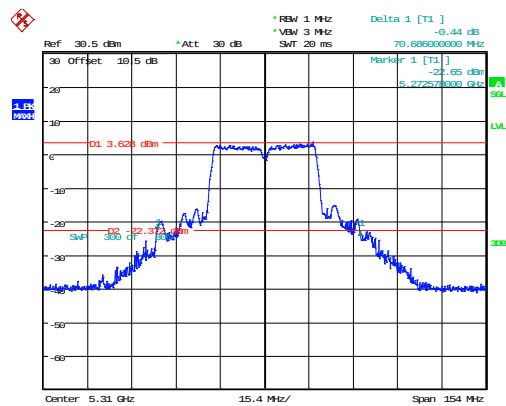
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802.11n40_5270MHz



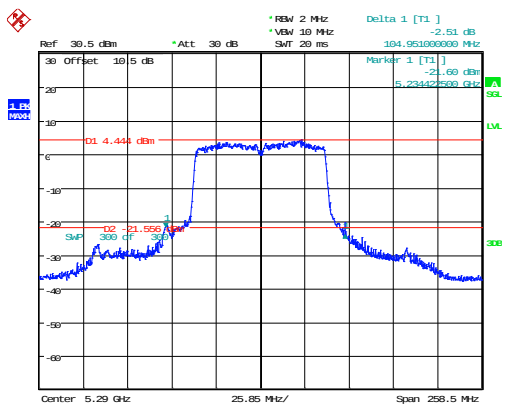
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802.11n40_5310MHz



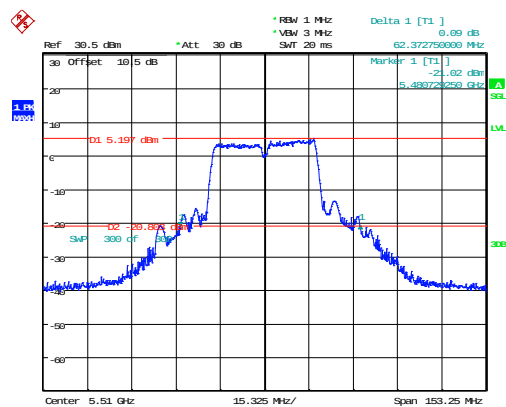
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802.11ac80_5290MHz



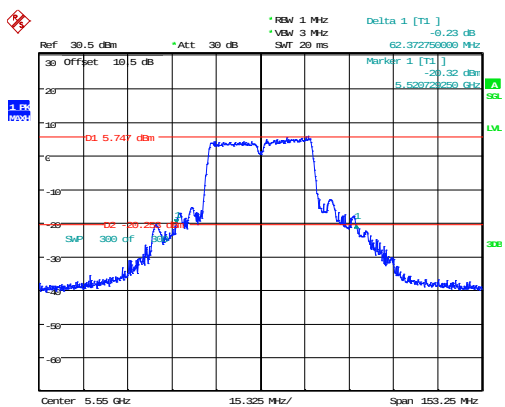
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802.11n40_5510MHz



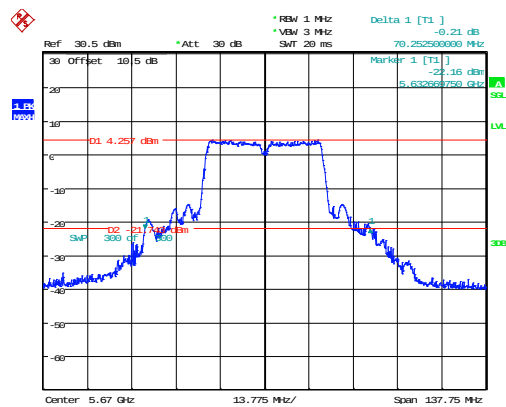
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802.11n40_5550MHz



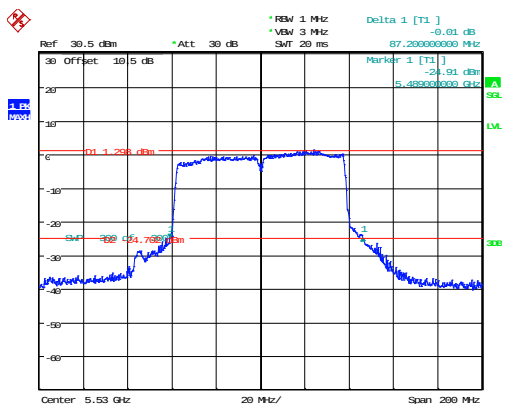
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802.11n40_5670MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
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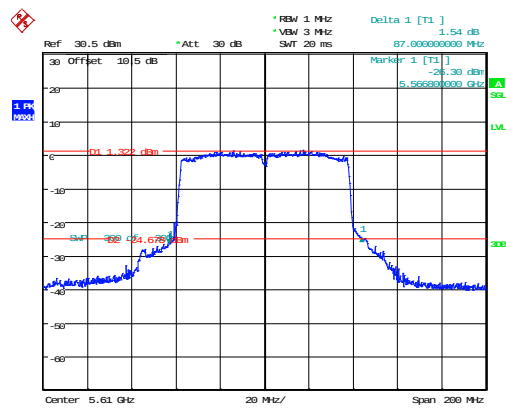
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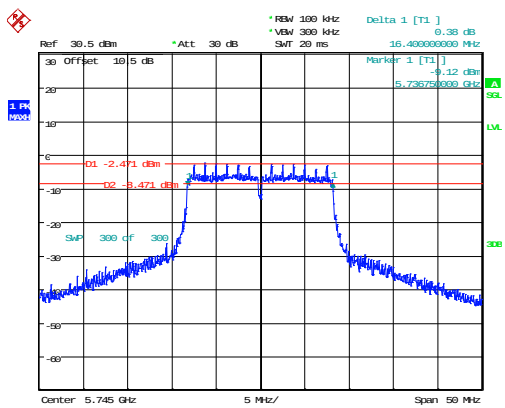
5725-5850MHz

802.11ac80_5610MHz



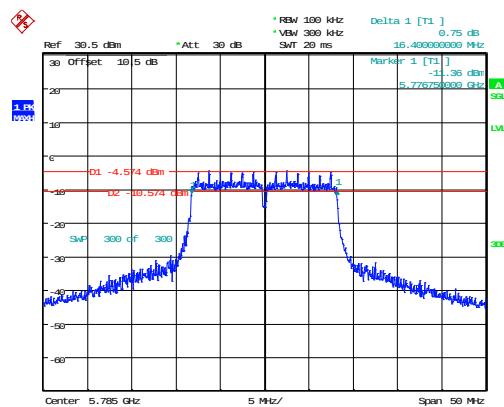
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802.11a_5745MHz



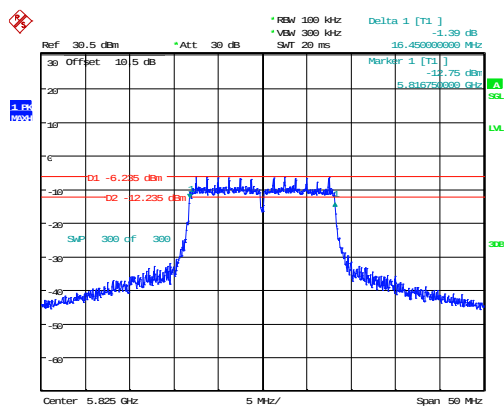
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802.11a_5785MHz



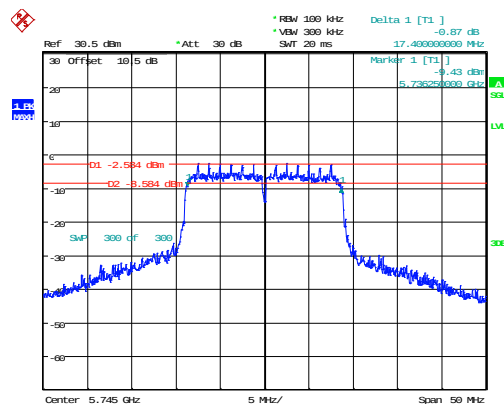
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802.11a_5825MHz



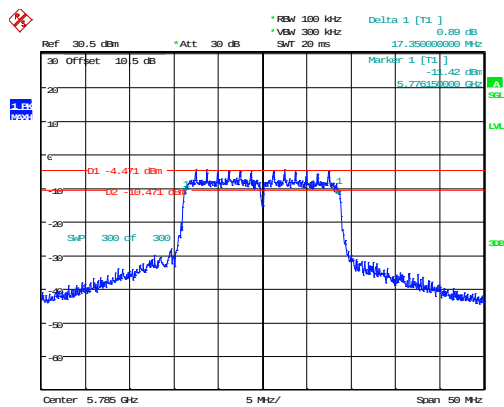
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Date: 1.APR.2025 21:11:57

802.11n20_5745MHz



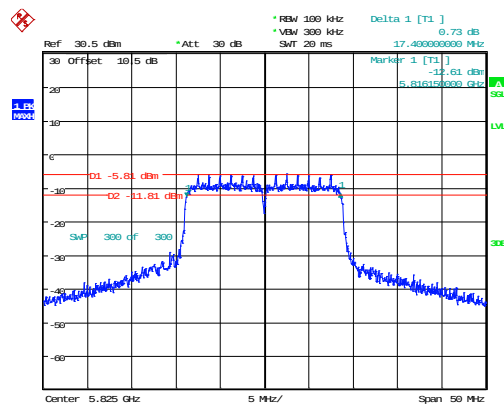
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Date: 1.APR.2025 22:06:49

802.11n20_5785MHz



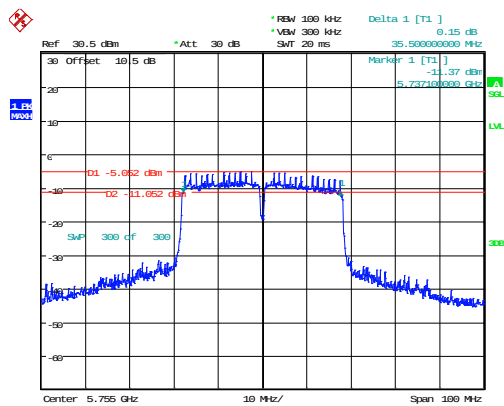
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802.11n20_5825MHz

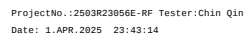
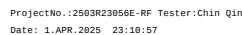


ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 22:14:16

802.11n40_5755MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 23:07:23



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

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	17
	5200	16.900
	5240	16.900
802.11n20	5180	17.950
	5200	17.950
	5240	17.950
802.11n40	5190	36.900
	5230	36.900
802.11ac80	5210	75.800

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	16.850
	5280	16.850
	5320	16.850
802.11n20	5260	17.950
	5280	17.950
	5320	17.900
802.11n40	5270	36.900
	5310	36.800
802.11ac80	5290	76

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	16.900
	5580	16.850
	5700	16.850
802.11n20	5500	17.950
	5580	17.900

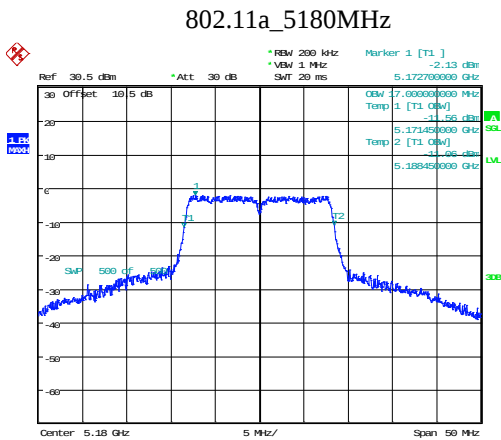
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11n20	5700	17.950
802.11n40	5510	36.800
	5550	36.800
	5670	36.800
802.11ac80	5530	75.600
	5610	75.600

5725-5850MHz

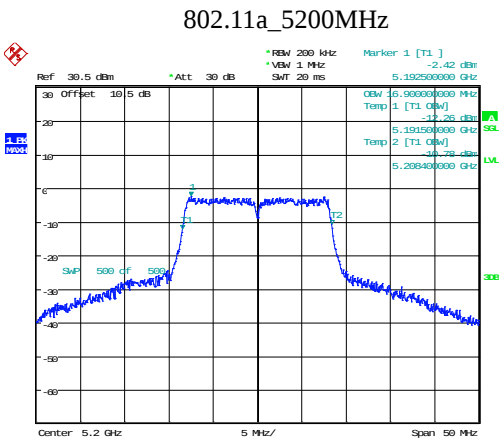
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.850
	5785	16.850
	5825	16.800
802.11n20	5745	17.800
	5785	17.900
	5825	17.850
802.11n40	5755	36.400
	5795	36.400
802.11ac80	5775	75.800

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

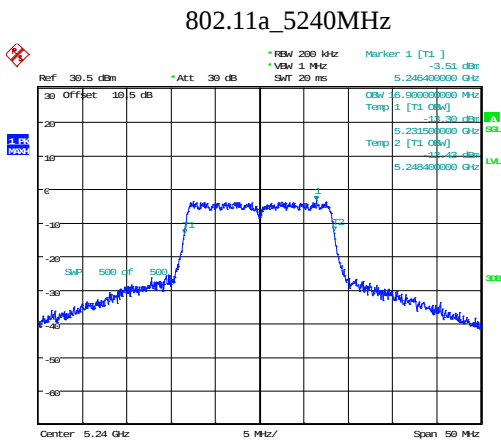
5150-5250MHz



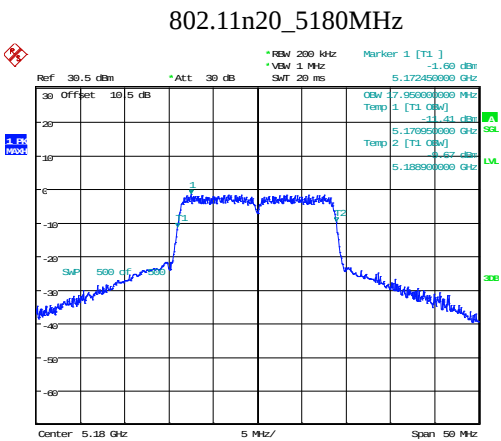
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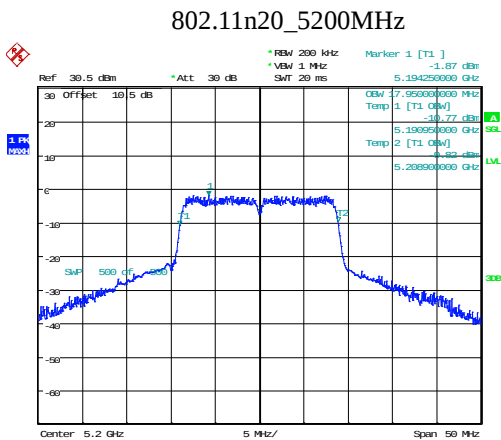
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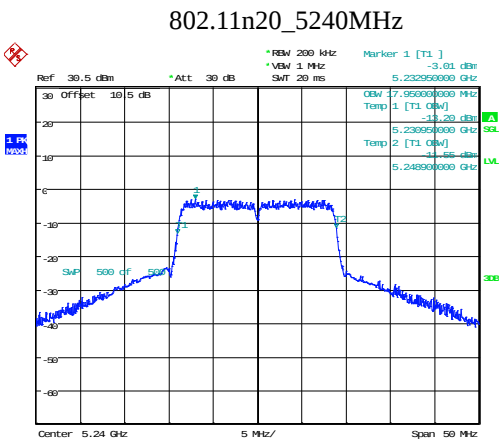
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Date: 1.APR.2025 21:18:49

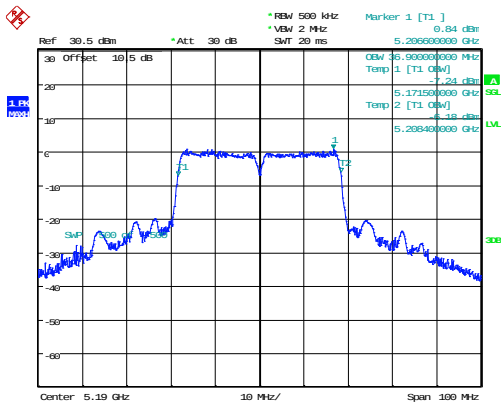


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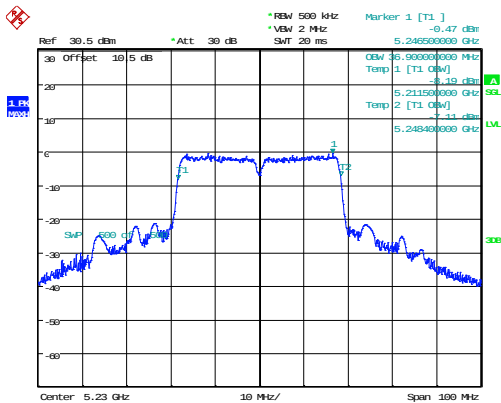
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802.11n40_5190MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 22:20:27

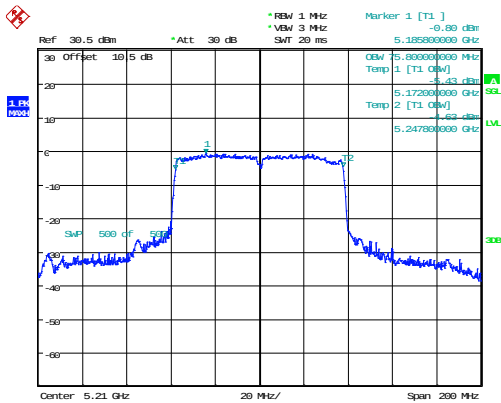
802.11n40_5230MHz



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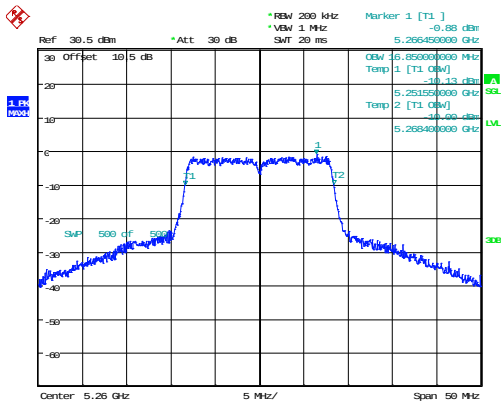
5250-5350MHz

802.11ac80_5210MHz



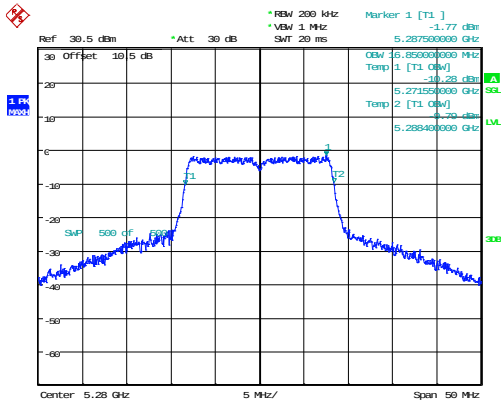
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802.11a_5260MHz



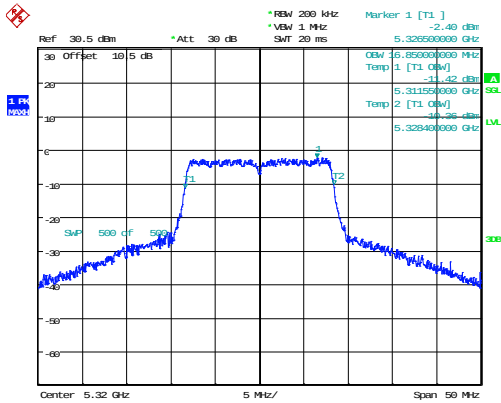
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802.11a_5280MHz



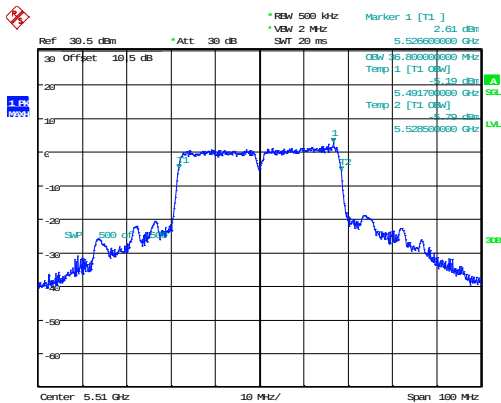
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802.11a_5320MHz



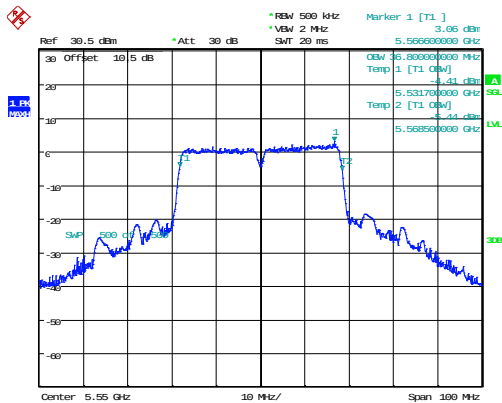
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802.11n40_5510MHz



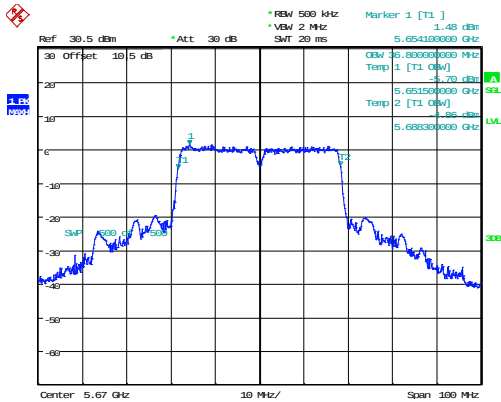
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802.11n40_5550MHz



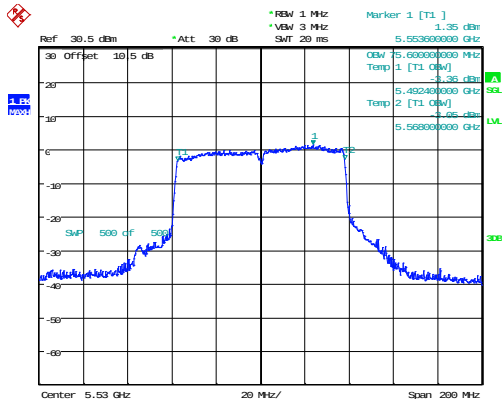
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802.11n40_5670MHz



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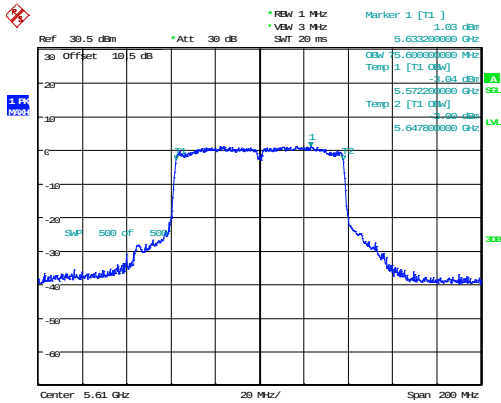
802.11ac80_5530MHz



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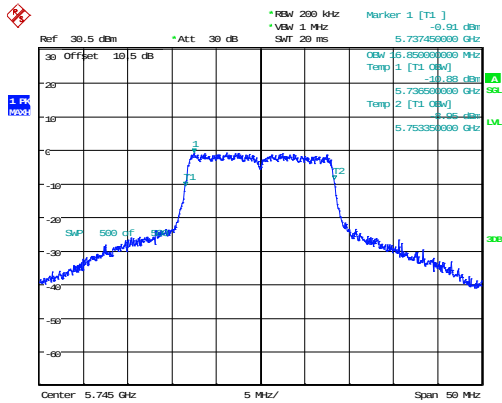
5725-5850MHz

802.11ac80_5610MHz



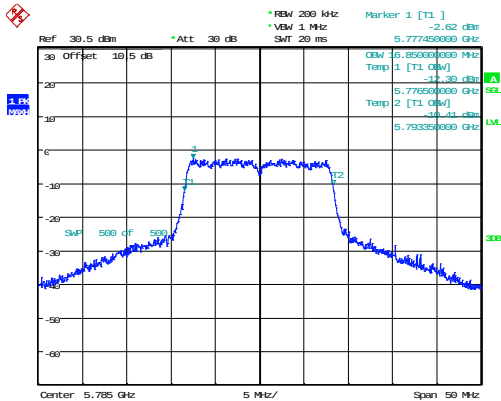
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802.11a_5745MHz



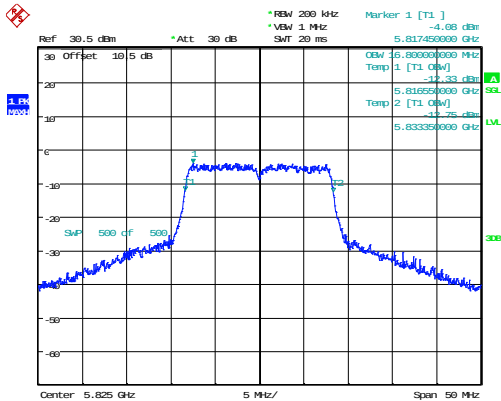
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Date: 1.APR.2025 21:06:59

802.11a_5785MHz



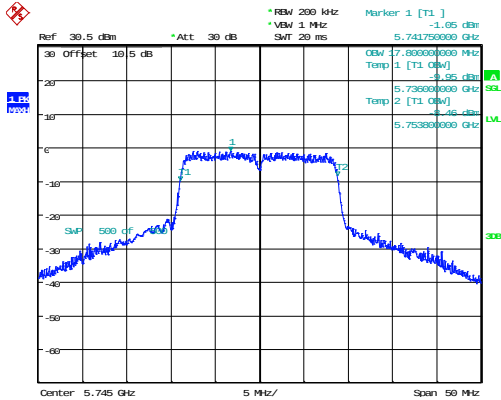
ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 21:10:20

802.11a_5825MHz



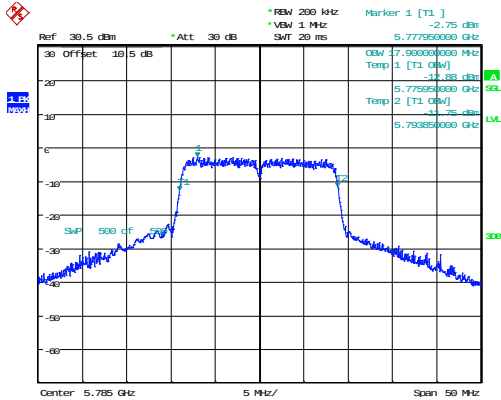
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Date: 1.APR.2025 21:13:08

802.11n20_5745MHz



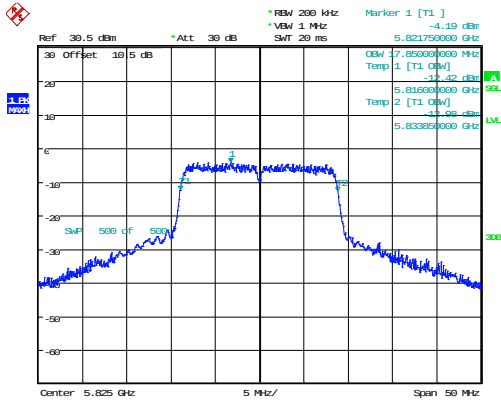
ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 22:07:59

802.11n20_5785MHz



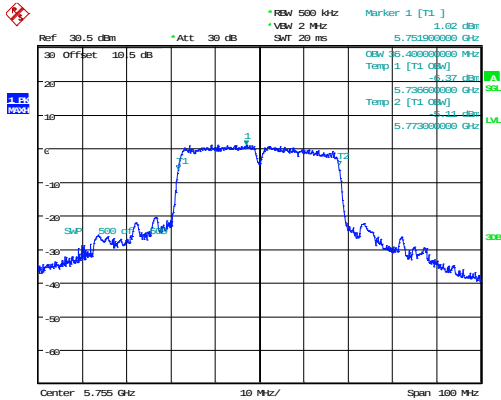
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Date: 1.APR.2025 22:12:31

802.11n20_5825MHz

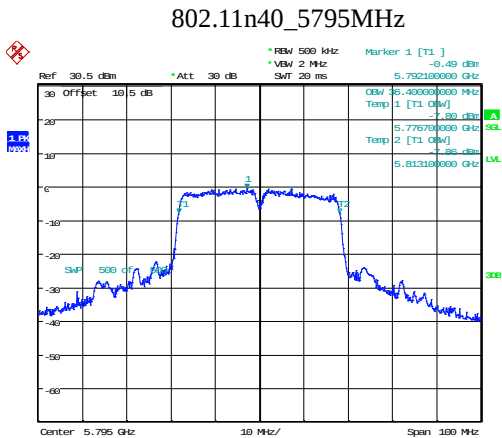


ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 22:15:27

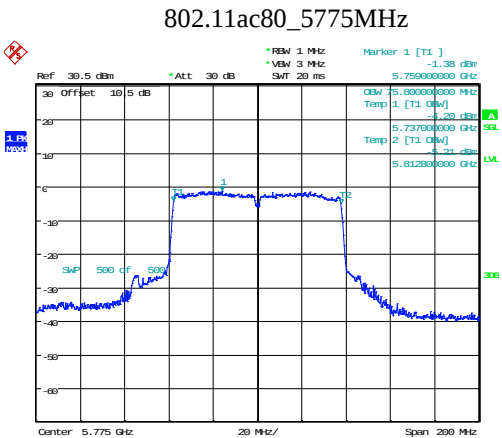
802.11n40_5755MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 23:09:00



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 23:12:36



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 23:44:54

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

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	7.89	24	Pass
	5200	7.23	24	Pass
	5240	6.03	24	Pass
802.11n20	5180	7.91	24	Pass
	5200	7.42	24	Pass
	5240	6.58	24	Pass
802.11n40	5190	8.14	24	Pass
	5230	6.85	24	Pass
802.11ac80	5210	6.96	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	8.21	24	Pass
	5280	8.05	24	Pass
	5320	7.36	24	Pass
802.11n20	5260	8.21	24	Pass
	5280	8.02	24	Pass
	5320	7.42	24	Pass
802.11n40	5270	8.37	24	Pass
	5310	7.68	24	Pass
802.11ac80	5290	7.54	24	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5500	8.33	24	Pass
	5580	9.43	24	Pass
	5700	7.75	24	Pass
802.11n20	5500	8.36	24	Pass
	5580	9.44	24	Pass
	5700	7.78	24	Pass
802.11n40	5510	8.84	24	Pass

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11n40	5550	9.54	24	Pass
	5670	8.91	24	Pass
802.11ac80	5530	8.17	24	Pass
	5610	8.72	24	Pass

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	8.4	30	Pass
	5785	7.1	30	Pass
	5825	5.82	30	Pass
802.11n20	5745	8.46	30	Pass
	5785	6.79	30	Pass
	5825	5.45	30	Pass
802.11n40	5755	8.4	30	Pass
	5795	6.78	30	Pass
802.11ac80	5775	6.18	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	-3.52	0.53	-2.99	11	Pass
	5200	-4.16	0.53	-3.63	11	Pass
	5240	-5.63	0.53	-5.10	11	Pass
802.11n20	5180	-3.64	0.60	-3.04	11	Pass
	5200	-4.04	0.60	-3.44	11	Pass
	5240	-5.40	0.60	-4.80	11	Pass
802.11n40	5190	-6.86	1.06	-5.80	11	Pass
	5230	-8.19	1.06	-7.13	11	Pass
802.11ac80	5210	-12.29	2.00	-10.29	11	Pass

Note: The device can work as a client device.

5250-5350MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5260	-3.38	0.53	-2.85	11	Pass
	5280	-3.42	0.53	-2.89	11	Pass
	5320	-4.13	0.53	-3.60	11	Pass
802.11n20	5260	-3.21	0.60	-2.61	11	Pass
	5280	-3.58	0.60	-2.98	11	Pass
	5320	-4.16	0.60	-3.56	11	Pass
802.11n40	5270	-6.27	1.06	-5.21	11	Pass
	5310	-7.04	1.06	-5.98	11	Pass
802.11ac80	5290	-11.13	2.00	-9.13	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	-2.99	0.53	-2.46	11	Pass
	5580	-2.07	0.53	-1.54	11	Pass
	5700	-3.97	0.53	-3.44	11	Pass
802.11n20	5500	-3.15	0.60	-2.55	11	Pass

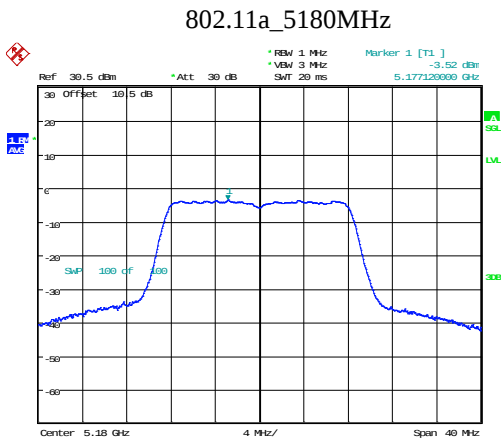
Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11n20	5580	-2.19	0.60	-1.59	11	Pass
	5700	-4.04	0.60	-3.44	11	Pass
802.11n40	5510	-5.57	1.06	-4.51	11	Pass
	5550	-5.00	1.06	-3.94	11	Pass
	5670	-5.91	1.06	-4.85	11	Pass
802.11ac80	5530	-10.17	2.00	-8.17	11	Pass
	5610	-10.16	2.00	-8.16	11	Pass

5725-5850MHz

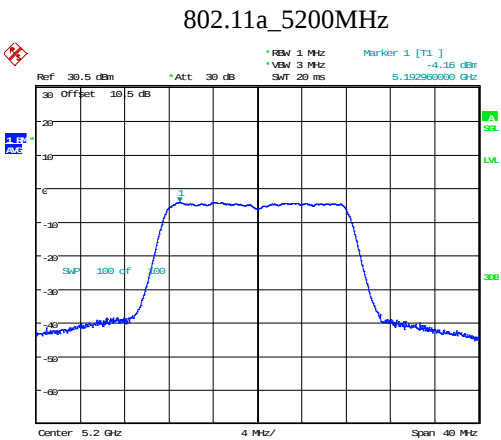
Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	-5.88	0.53	-5.35	30	Pass
	5785	-7.51	0.53	-6.98	30	Pass
	5825	-8.72	0.53	-8.19	30	Pass
802.11n20	5745	-6.45	0.60	-5.85	30	Pass
	5785	-8.03	0.60	-7.43	30	Pass
	5825	-9.40	0.60	-8.80	30	Pass
802.11n40	5755	-9.47	1.06	-8.41	30	Pass
	5795	-11.11	1.06	-10.05	30	Pass
802.11ac80	5775	-16.12	2.00	-14.12	30	Pass

Result = Reading + Duty Cycle Factor

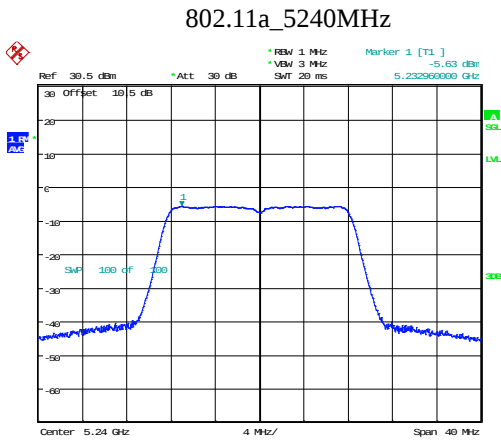
5150-5250MHz



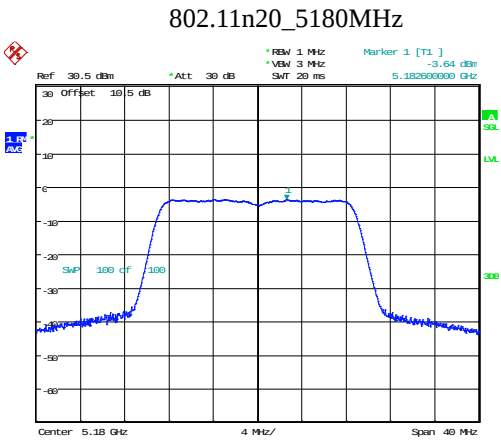
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Date: 1.APR.2025 19:19:54



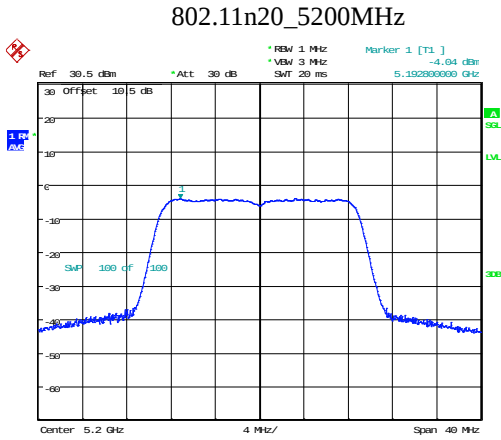
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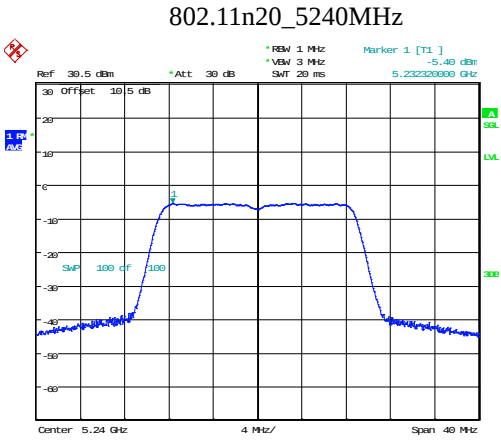
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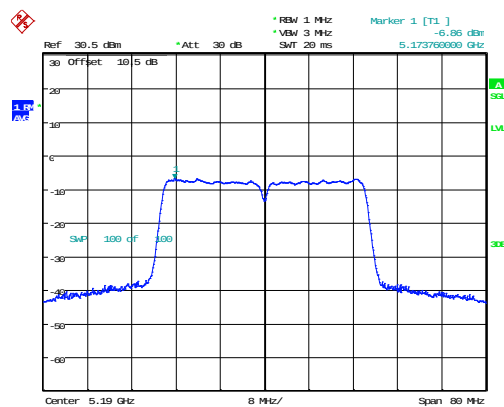


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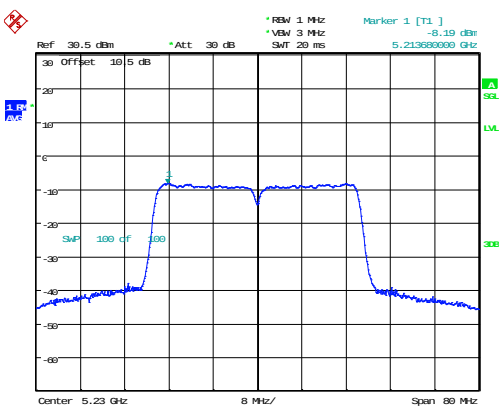
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802.11n40_5190MHz



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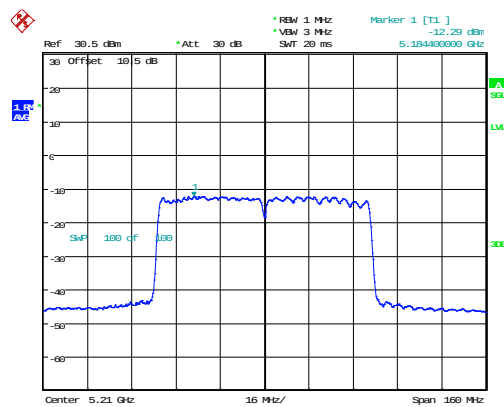
802.11n40_5230MHz



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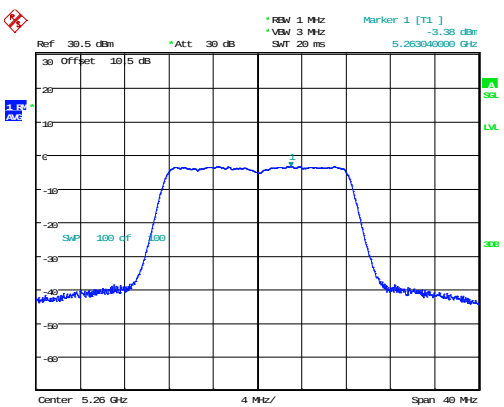
5250-5350MHz

802.11ac80_5210MHz



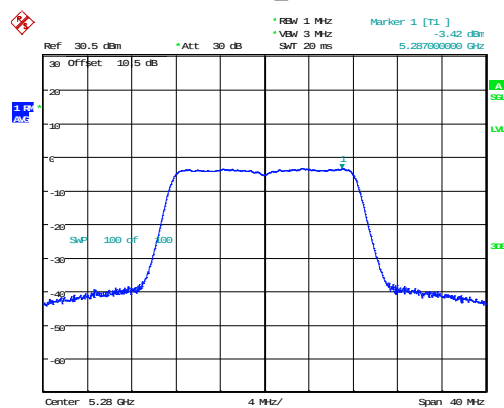
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802.11a_5260MHz



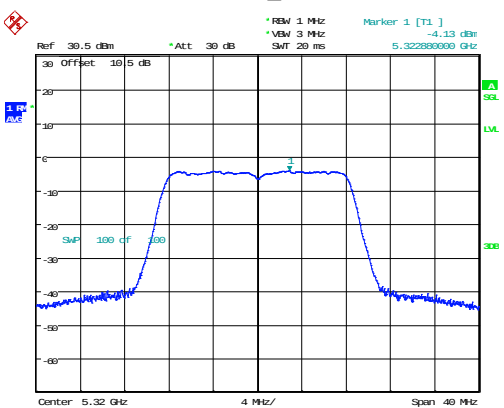
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802.11a_5280MHz



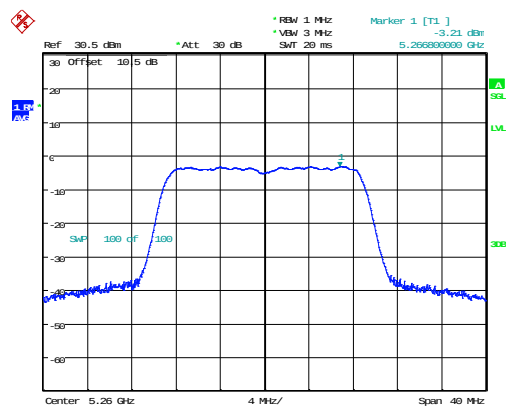
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802.11a_5320MHz



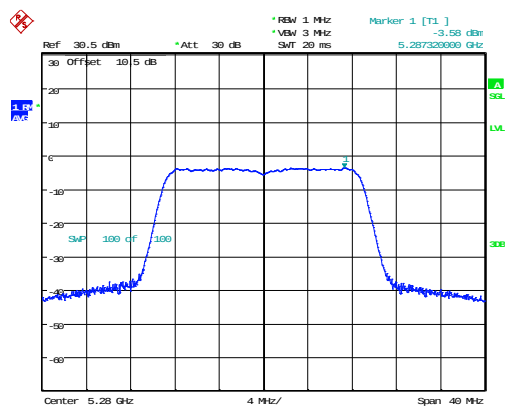
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802.11n20_5260MHz



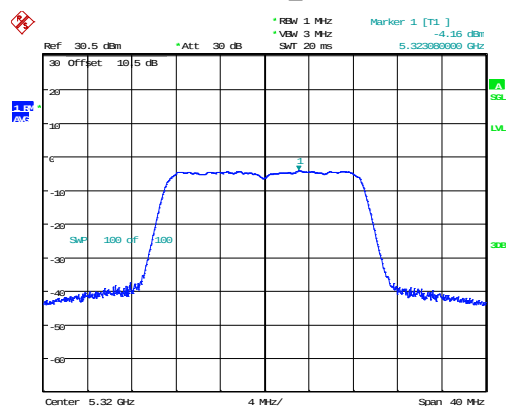
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802.11n20_5280MHz



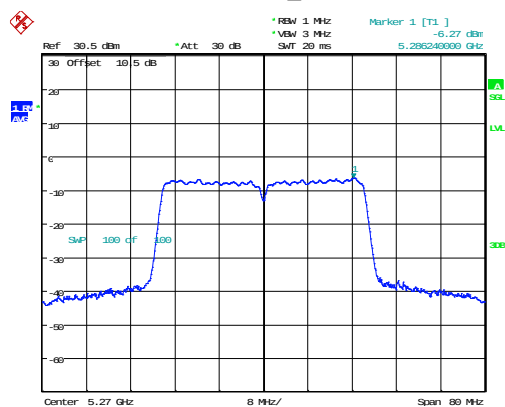
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802.11n20_5320MHz



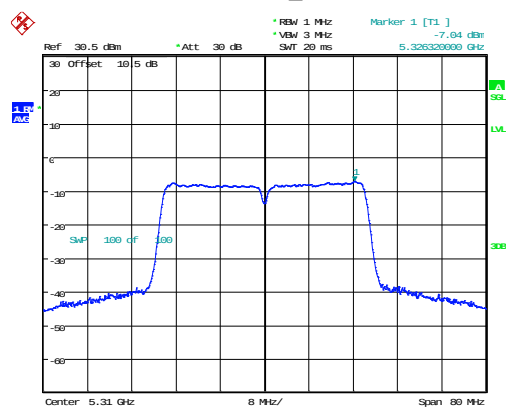
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802.11n40_5270MHz



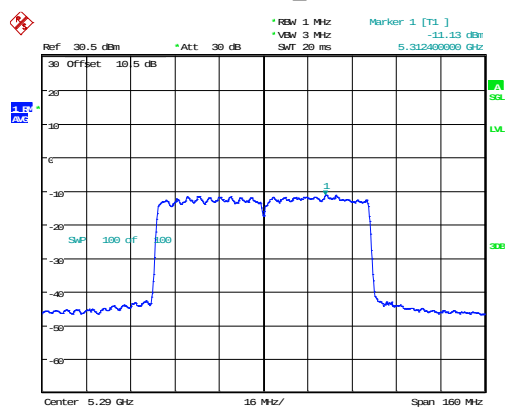
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Date: 1.APR.2025 22:32:58

802.11n40_5310MHz



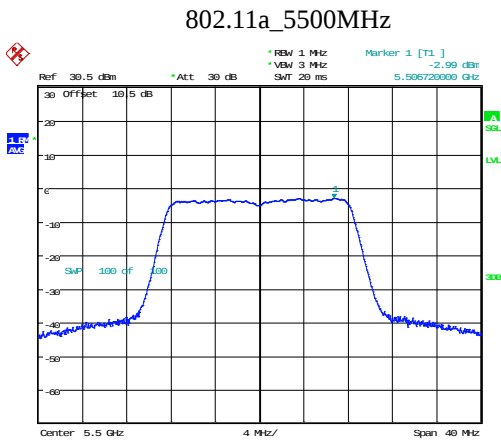
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802.11ac80_5290MHz

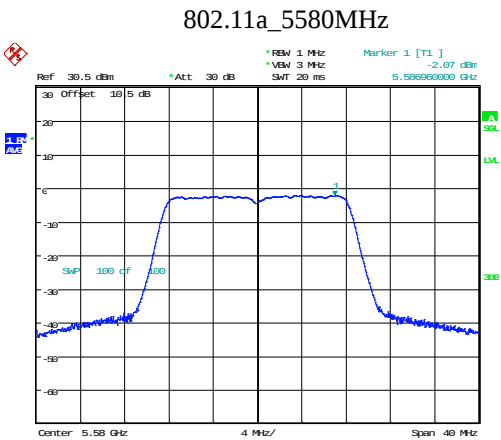


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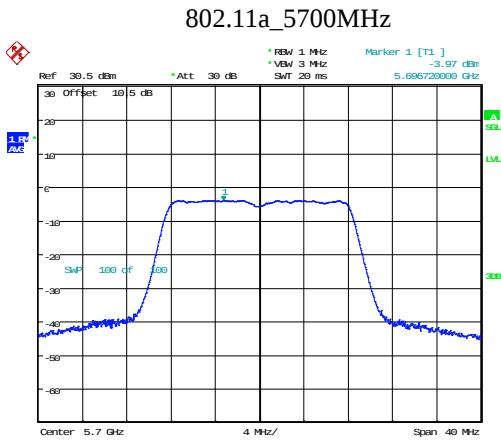
5470-5725MHz



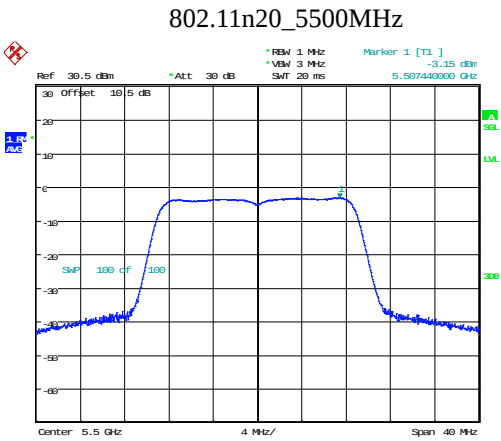
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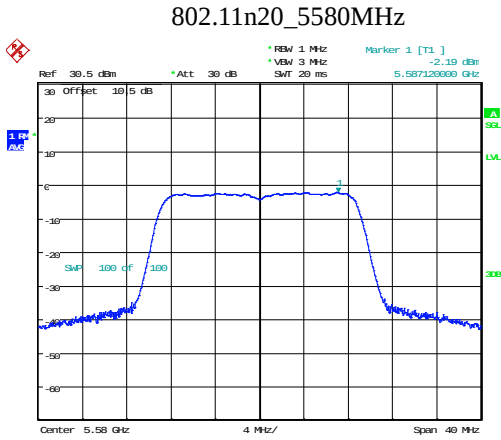
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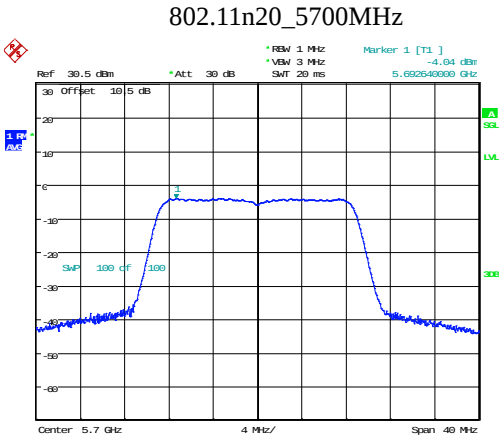
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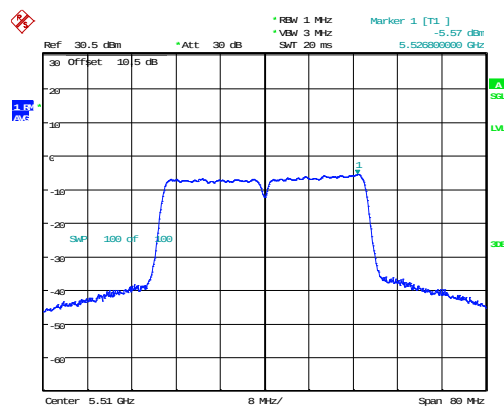


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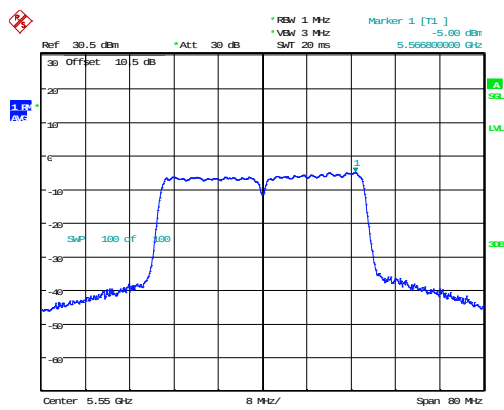
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802.11n40_5510MHz



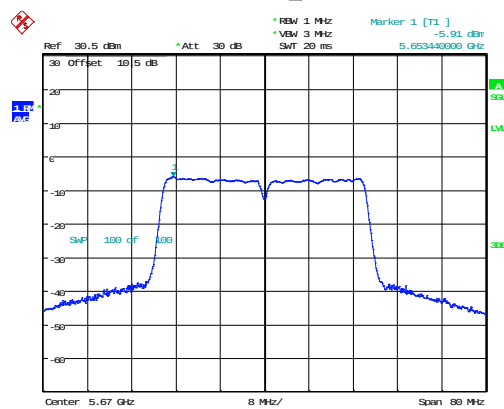
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802.11n40_5550MHz



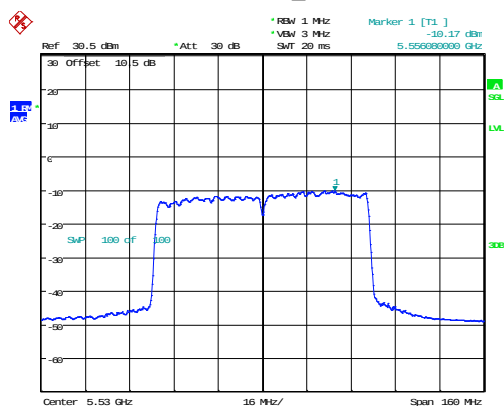
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802.11n40_5670MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
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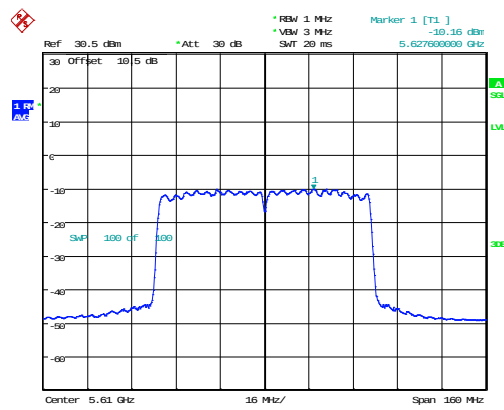
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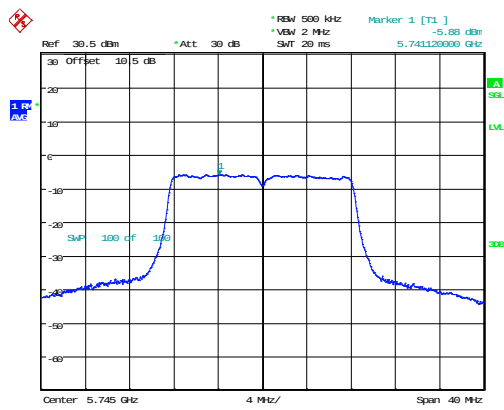
5725-5850MHz

802.11ac80_5610MHz



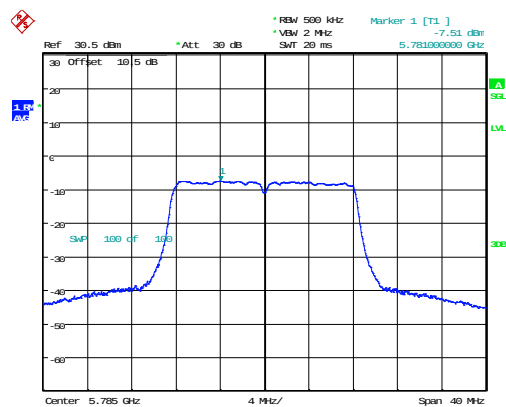
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802.11a_5745MHz



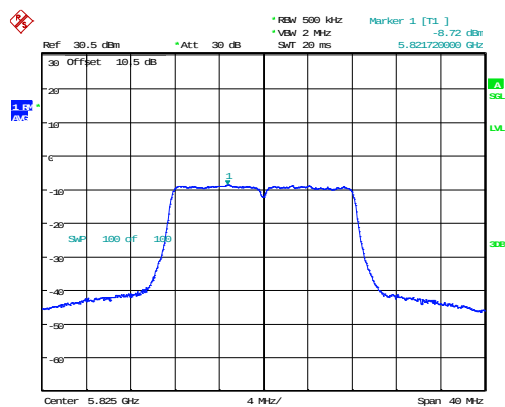
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802.11a_5785MHz



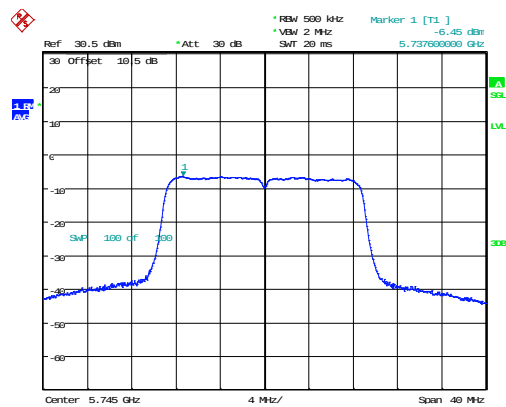
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802.11a_5825MHz



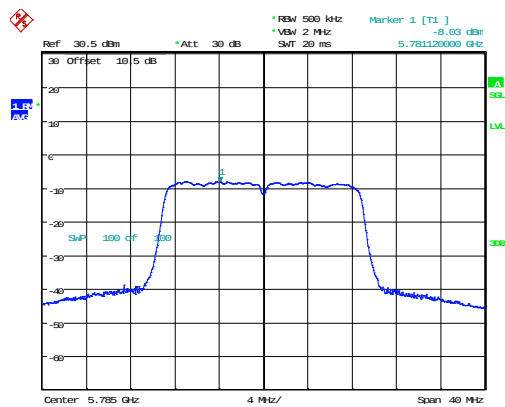
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802.11n20_5745MHz



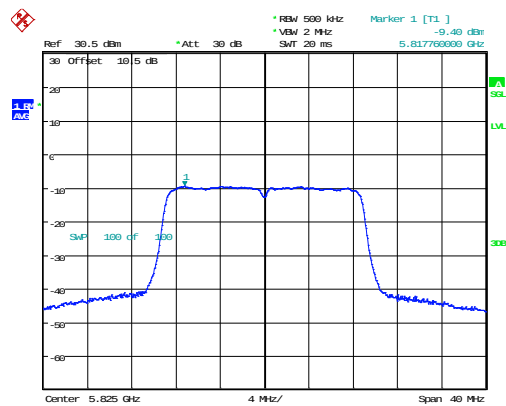
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802.11n20_5785MHz



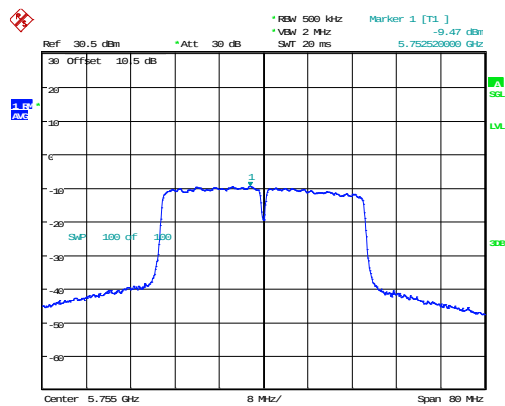
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802.11n20_5825MHz

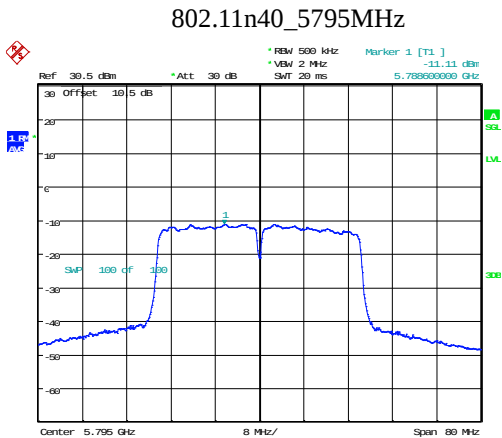


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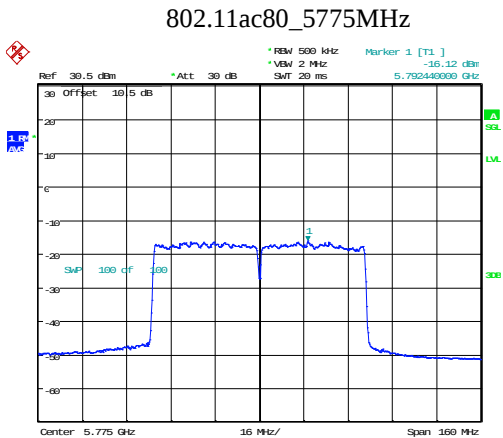
802.11n40_5755MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 23:09:52



ProjectNo.:2503R23056E-RF Tester:Chin Qin
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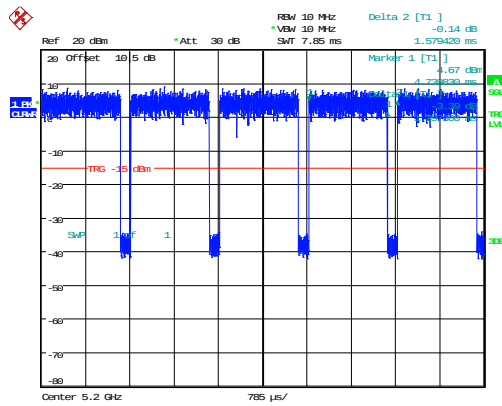
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Duty Cycle

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.397	1.579	88.47	0.53	716	1
802.11n20	5200	1.176	1.350	87.11	0.60	850	1
802.11n40	5190	0.594	0.758	78.36	1.06	1684	2
802.11ac80	5210	0.299	0.474	63.08	2.00	3344	5

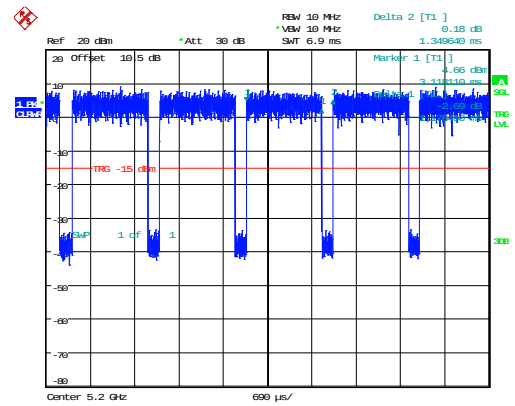
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz



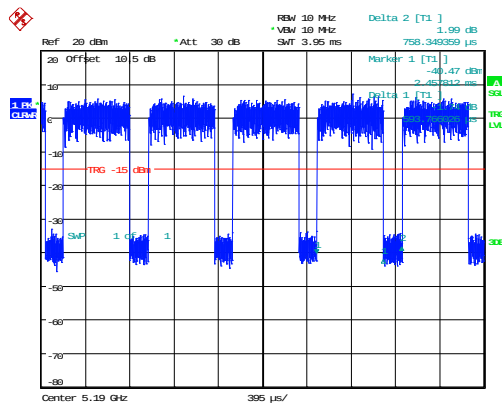
ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 18:29:14

802.11n20_5200MHz



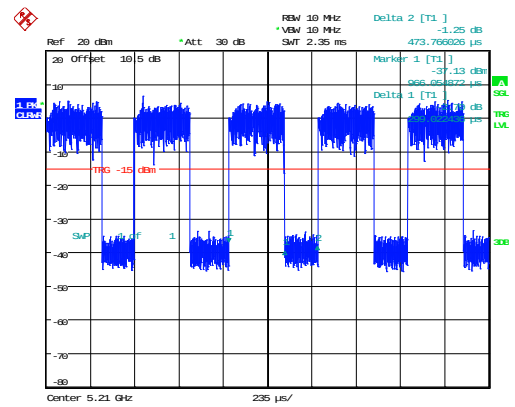
ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 18:30:03

802.11n40_5190MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 18:31:40

802.11ac80_5210MHz



ProjectNo.:2503R23056E-RF Tester:Chin Qin
Date: 1.APR.2025 23:20:35