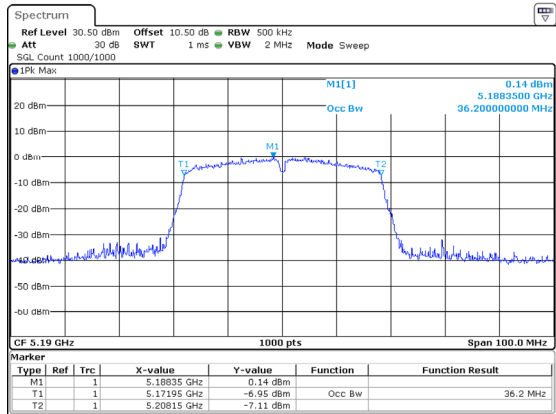
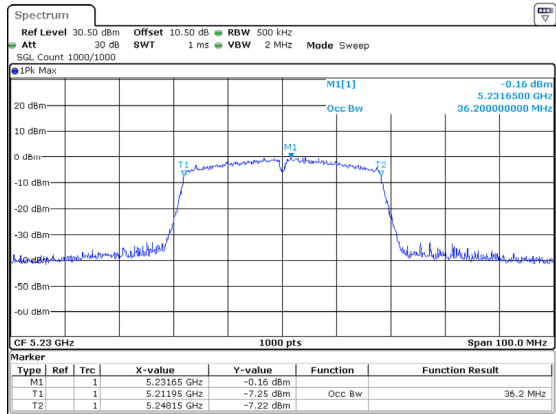


802.11ac40_5190MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaster Liang
Date: 7.JAN.2025 17:21:01

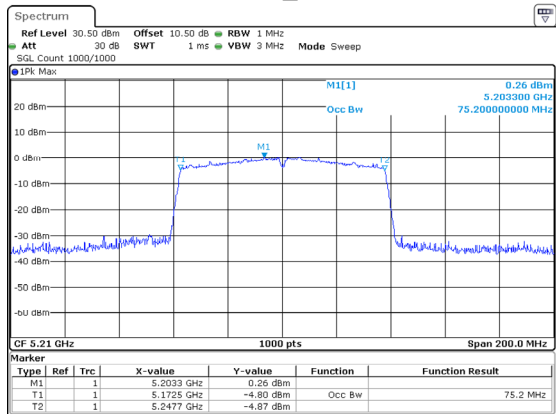
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ProjectNo.:2401Z105021E-RF Tester:Kungfumaster Liang
Date: 7.JAN.2025 17:22:03

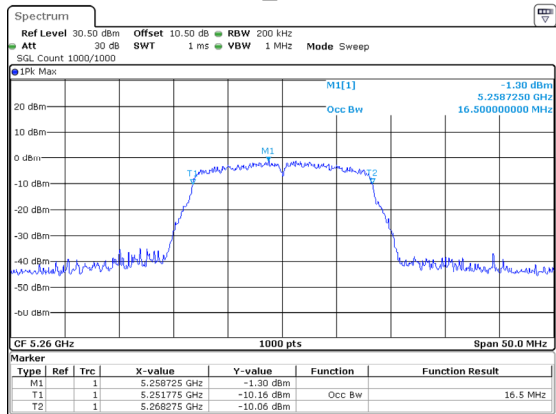
5250-5350MHz

802.11ac80_5210MHz



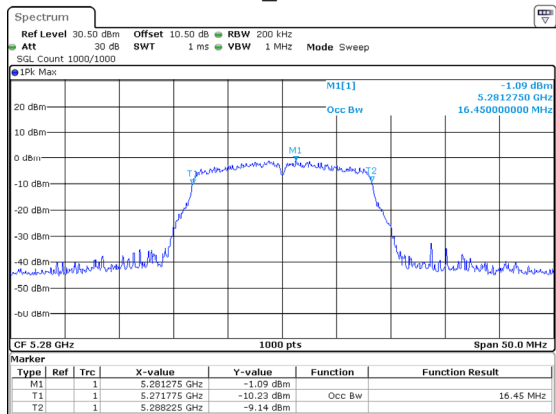
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Date: 7.JAN.2025 17:23:03

802.11a_5260MHz



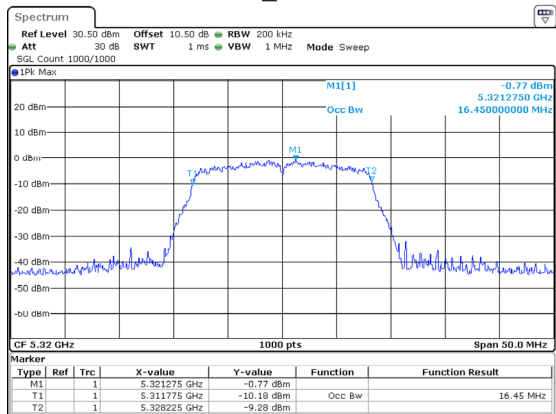
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802.11a_5280MHz



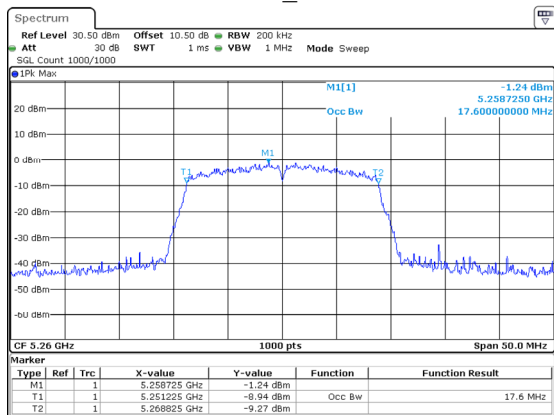
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802.11a_5320MHz



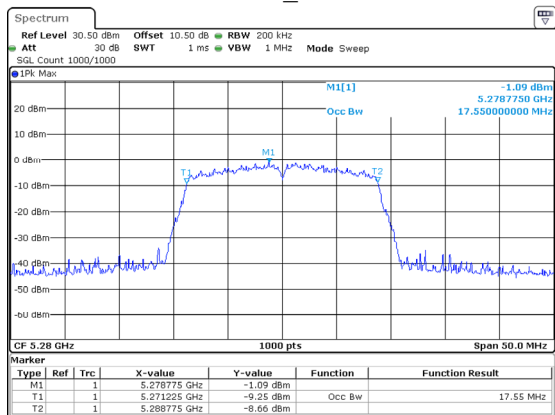
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802.11ac20_5260MHz



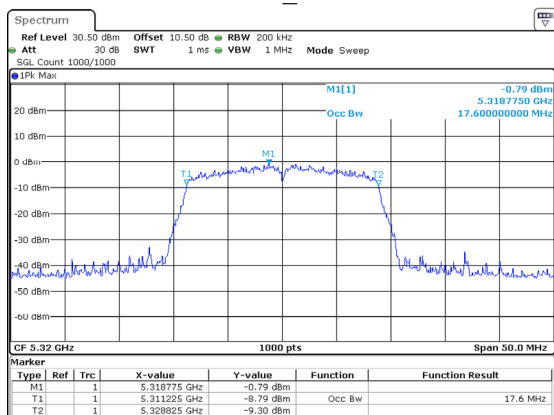
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802.11ac20_5280MHz



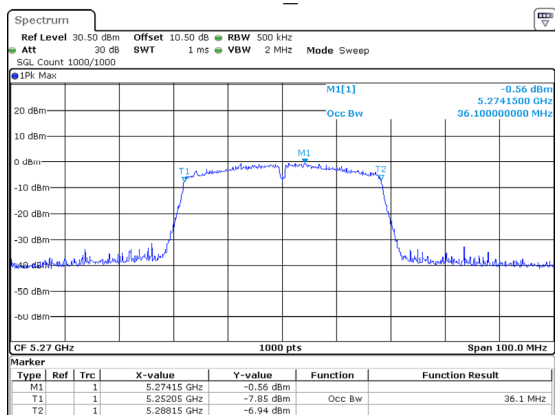
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802.11ac20_5320MHz



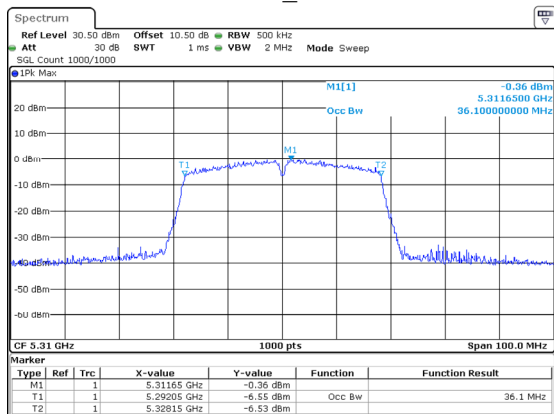
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802.11ac40_5270MHz



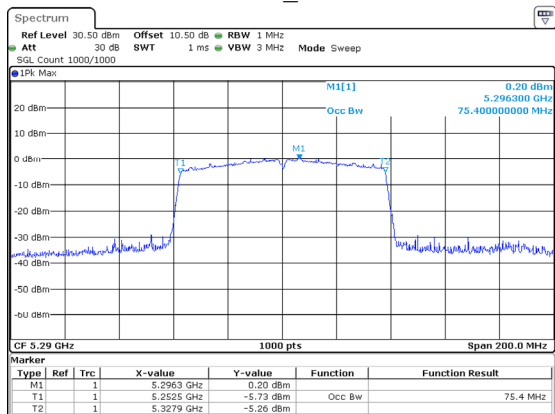
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802.11ac40_5310MHz



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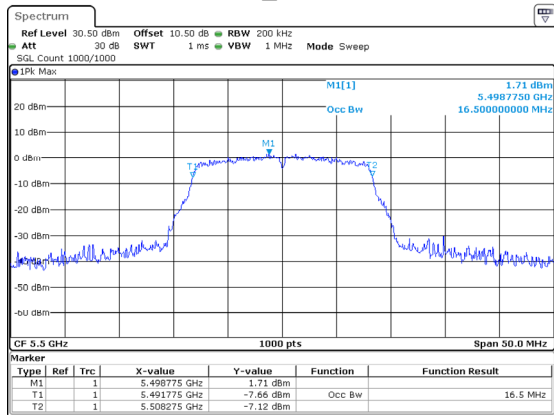
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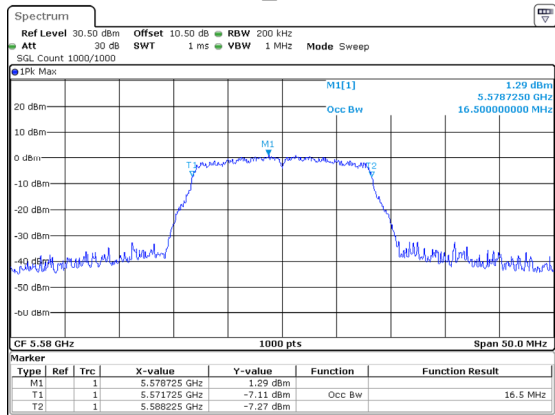
5470-5725MHz

802.11a_5500MHz



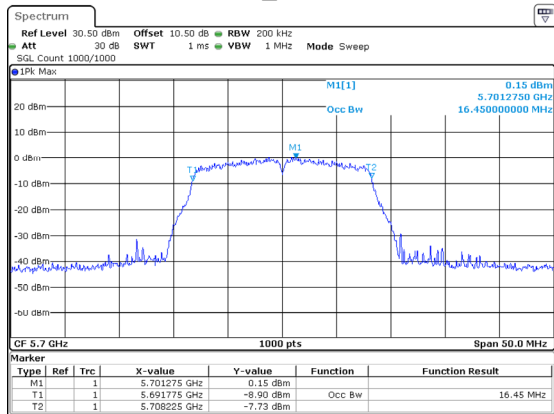
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802.11a_5580MHz



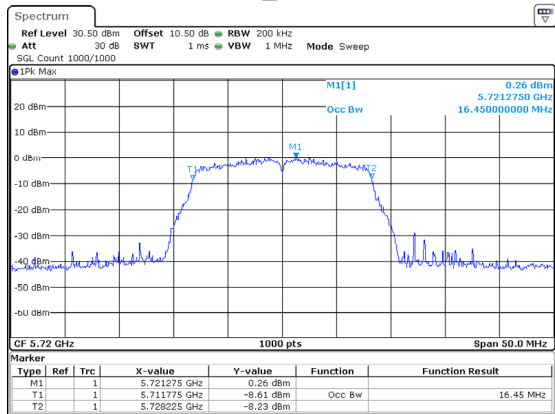
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802.11a_5700MHz



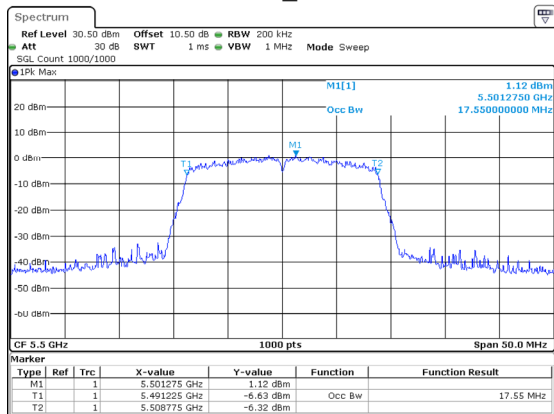
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802.11a_5720MHz



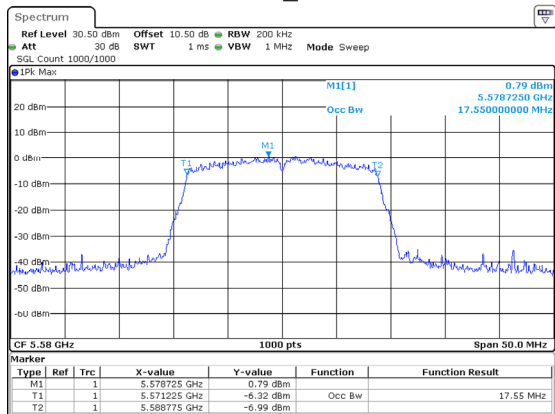
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802.11ac20_5500MHz



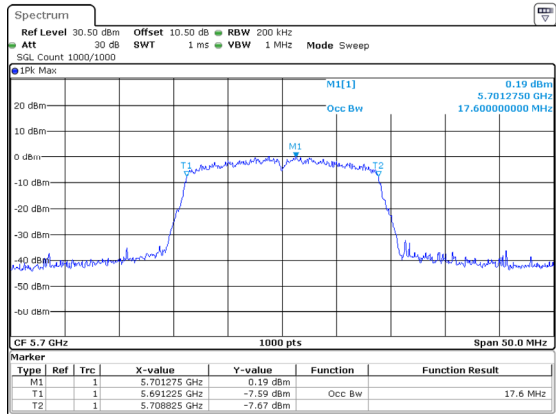
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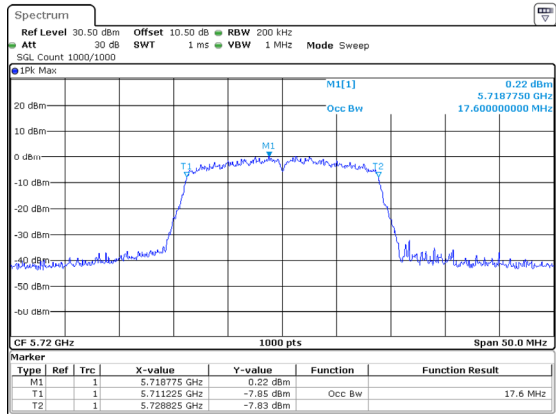
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802.11ac20_5700MHz



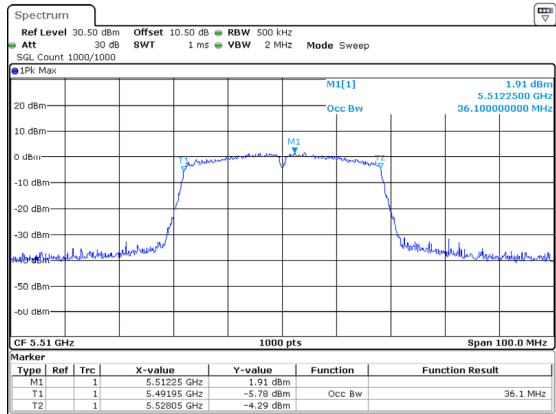
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802.11ac20_5720MHz



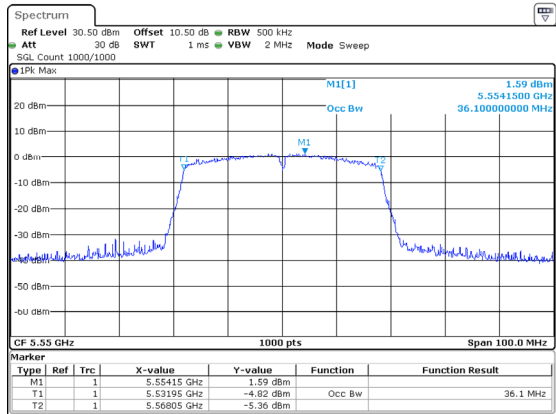
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802.11ac40_5510MHz



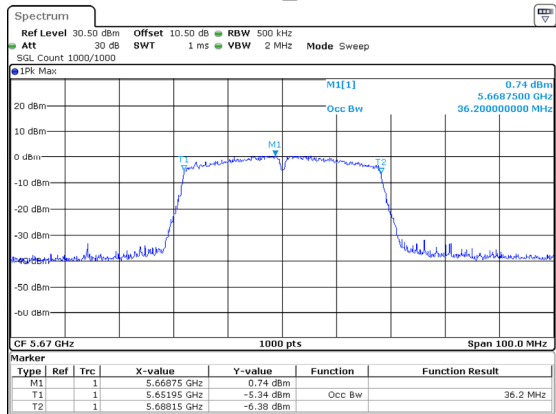
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802.11ac40_5550MHz



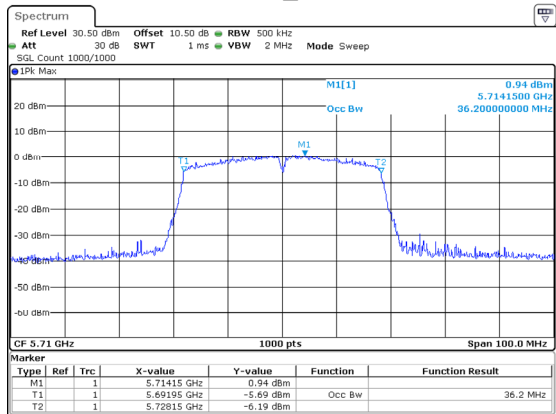
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802.11ac40_5670MHz



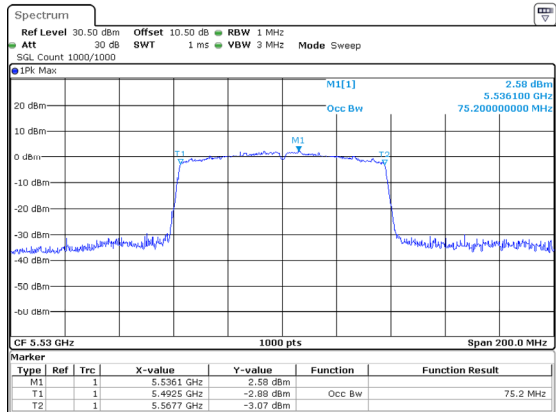
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802.11ac40_5710MHz



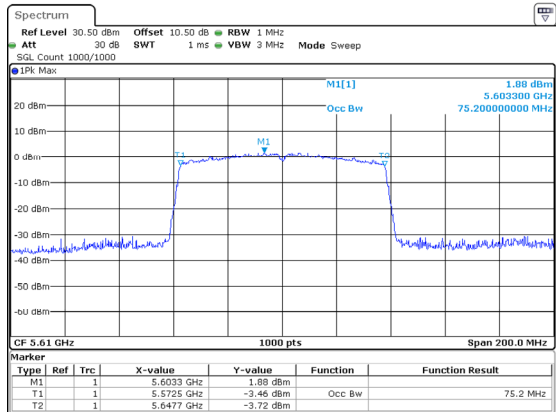
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802.11ac80_5530MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaster Liang
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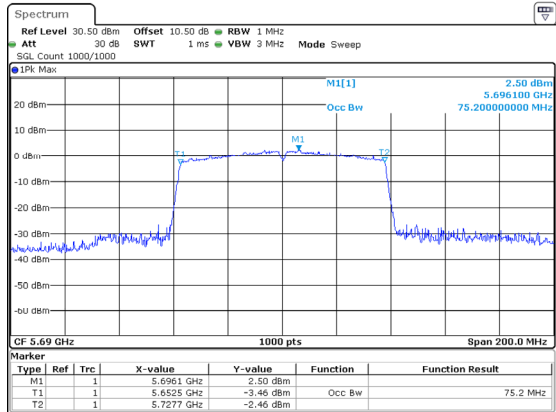
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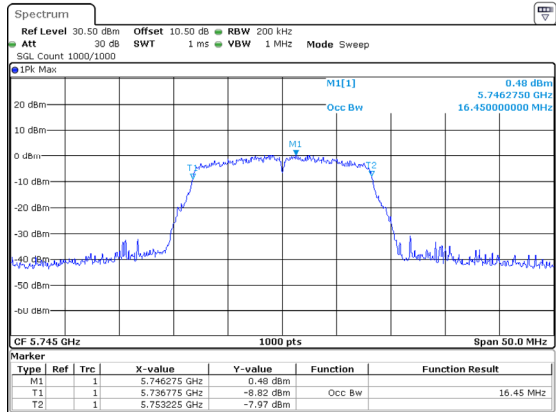
5725-5850MHz

802.11ac80_5690MHz



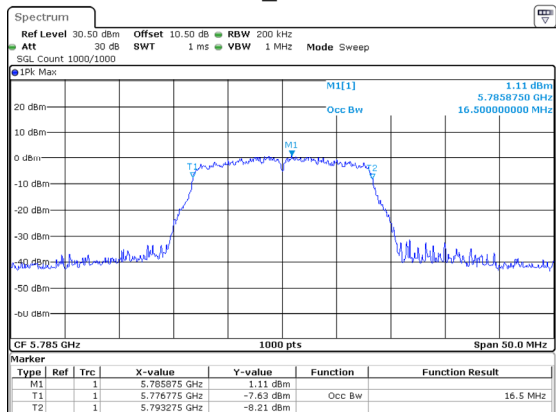
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802.11a_5745MHz



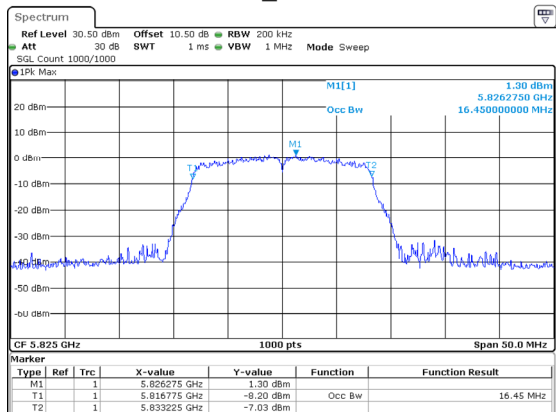
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802.11a_5785MHz



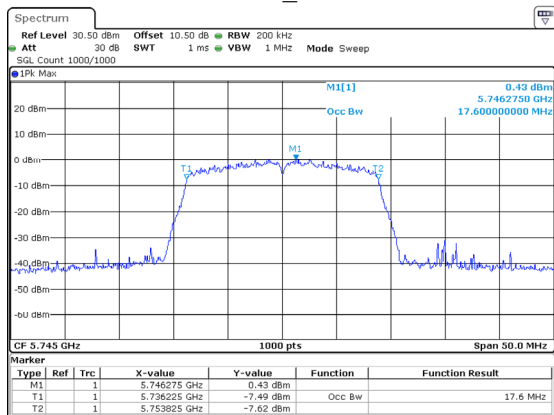
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802.11a_5825MHz



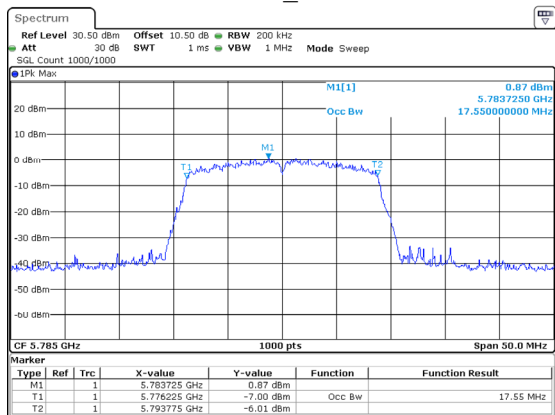
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802.11ac20_5745MHz



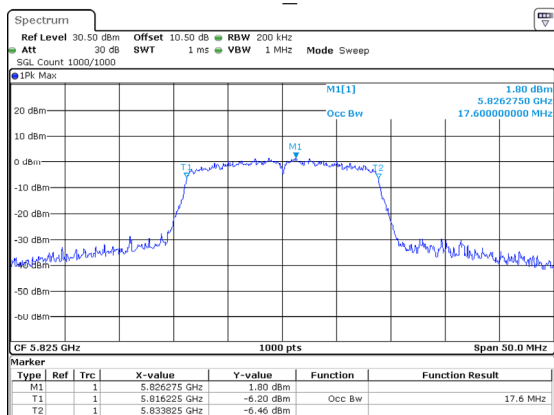
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802.11ac20_5785MHz



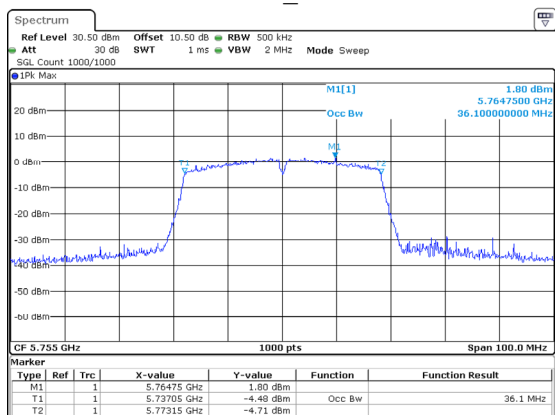
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802.11ac20_5825MHz



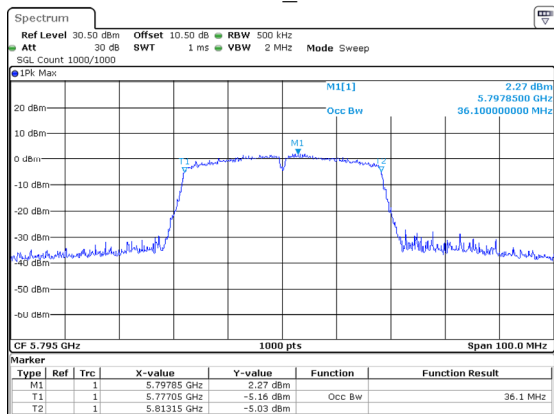
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802.11ac40_5755MHz



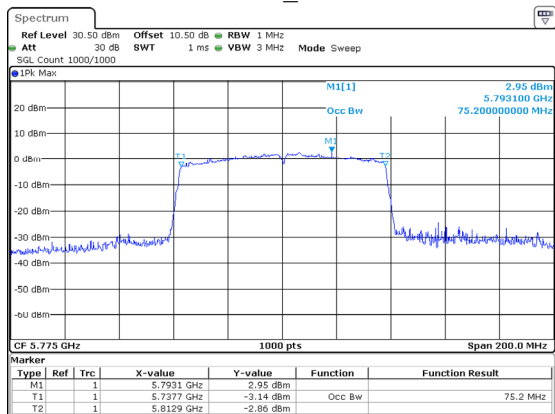
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802.11ac40_5795MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaater Liang
Date: 7.JAN.2025 17:55:11

802.11ac80_5775MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaater Liang
Date: 7.JAN.2025 17:56:17

Maximum Conducted Output Power

Test Information:

Sample No.:	2UKG-1	Test Date:	2024/12/19~2025/01/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Kungfumaster Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	25.5~26.8	Relative Humidity: (%)	48~53	ATM Pressure: (kPa)	101.1~101.4
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Test Data:**5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	9.96	24	Pass
	5200	9.74	24	Pass
	5240	9.51	24	Pass
802.11ac20	5180	9.71	24	Pass
	5200	9.71	24	Pass
	5240	9.36	24	Pass
802.11ac40	5190	9.77	24	Pass
	5230	9.55	24	Pass
802.11ac80	5210	9.70	24	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5260	9.44	24	Pass
	5280	9.50	24	Pass
	5320	9.71	24	Pass
802.11ac20	5260	9.33	24	Pass
	5280	9.35	24	Pass
	5320	9.55	24	Pass
802.11ac40	5270	9.37	24	Pass
	5310	9.50	24	Pass
802.11ac80	5290	9.30	24	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5500	11.37	24	Pass
	5580	10.93	24	Pass
	5700	11.13	24	Pass
	5720	11.30	24	Pass
802.11ac20	5500	11.52	24	Pass
	5580	10.80	24	Pass
	5700	11.00	24	Pass
	5720	11.12	24	Pass
802.11ac40	5510	11.55	24	Pass
	5550	11.09	24	Pass
	5670	10.68	24	Pass
	5710	11.00	24	Pass
802.11ac80	5530	11.44	24	Pass
	5610	10.69	24	Pass
	5690	11.01	24	Pass

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	11.06	30	Pass
	5785	11.28	30	Pass
	5825	11.80	30	Pass
802.11ac20	5745	10.95	30	Pass
	5785	11.11	30	Pass
	5825	11.66	30	Pass
802.11ac40	5755	11.01	30	Pass
	5795	11.75	30	Pass
802.11ac80	5775	11.27	30	Pass

Note:

The EUT is a client device.

Power Spectral Density

Test Information:

Sample No.:	2UKG-1	Test Date:	2024/12/19~2025/01/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Kungfumaster Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	25.5~26.8	Relative Humidity: (%)	48~53	ATM Pressure: (kPa)	101.1~101.4
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Test Data:**5150-5250MHz**

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5180	-0.22	0.14	-0.08	11	Pass
	5200	-0.43	0.14	-0.29	11	Pass
	5240	-0.72	0.14	-0.58	11	Pass
802.11ac20	5180	-0.56	0.15	-0.41	11	Pass
	5200	-0.81	0.15	-0.66	11	Pass
	5240	-1.00	0.15	-0.85	11	Pass
802.11ac40	5190	-3.61	0.29	-3.32	11	Pass
	5230	-3.55	0.29	-3.26	11	Pass
802.11ac80	5210	-7.21	0.55	-6.66	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	-0.58	0.14	-0.44	11	Pass
	5280	-0.69	0.14	-0.55	11	Pass
	5320	-0.80	0.14	-0.66	11	Pass
802.11ac20	5260	-1.06	0.15	-0.91	11	Pass
	5280	-0.98	0.15	-0.83	11	Pass
	5320	-0.63	0.15	-0.48	11	Pass
802.11ac40	5270	-4.11	0.29	-3.82	11	Pass
	5310	-3.94	0.29	-3.65	11	Pass
802.11ac80	5290	-7.60	0.55	-7.05	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	1.07	0.14	1.21	11	Pass
	5580	0.82	0.14	0.96	11	Pass
	5700	-0.56	0.14	-0.42	11	Pass
	5720	-0.46	0.14	-0.32	11	Pass
802.11ac20	5500	0.13	0.15	0.28	11	Pass
	5580	-0.16	0.15	-0.01	11	Pass
	5700	-0.76	0.15	-0.61	11	Pass
	5720	-0.77	0.15	-0.62	11	Pass
802.11ac40	5510	-2.76	0.29	-2.47	11	Pass
	5550	-3.11	0.29	-2.82	11	Pass
	5670	-3.81	0.29	-3.52	11	Pass
	5710	-3.96	0.29	-3.67	11	Pass
802.11ac80	5530	-6.12	0.55	-5.57	11	Pass
	5610	-6.94	0.55	-6.39	11	Pass
	5690	-6.23	0.55	-5.68	11	Pass

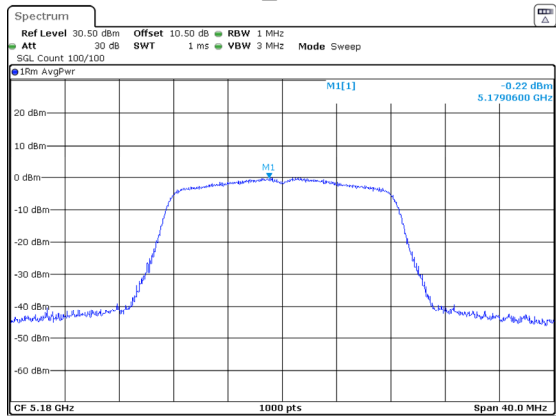
5725-5850MHz

Mode	Test Frequency (MHz)	Reading(dBm /500kHz)	Duty Cycle Factor(dB)	Result(dBm /500kHz)	Limit(dBm /500kHz)	Verdict
802.11a	5745	-1.92	0.14	-1.78	30	Pass
	5785	-1.47	0.14	-1.33	30	Pass
	5825	-1.28	0.14	-1.14	30	Pass
802.11ac20	5745	-2.32	0.15	-2.17	30	Pass
	5785	-1.75	0.15	-1.60	30	Pass
	5825	-1.42	0.15	-1.27	30	Pass
802.11ac40	5755	-5.48	0.29	-5.19	30	Pass
	5795	-4.60	0.29	-4.31	30	Pass
802.11ac80	5775	-8.58	0.55	-8.03	30	Pass

Result = Reading + Duty Cycle Factor

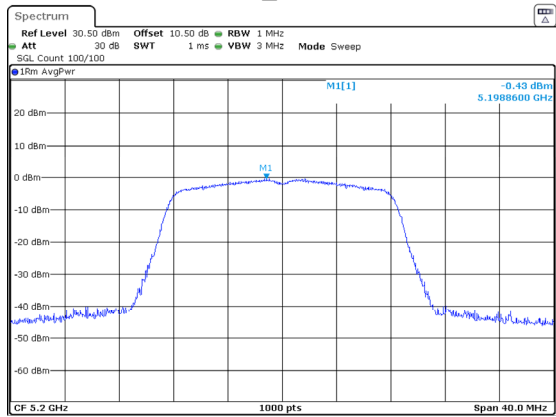
5150-5250MHz

802.11a_5180MHz



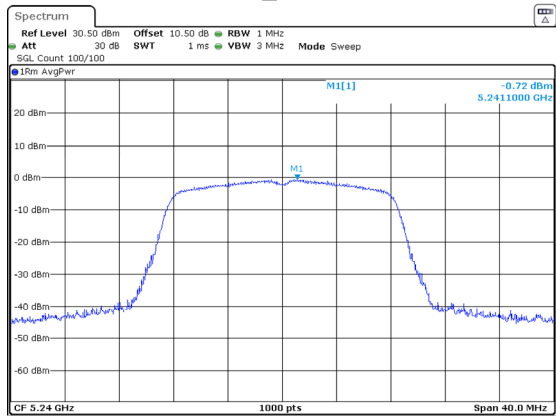
ProjectNo.:2401Z105021E-RF Tester:Kungfumaater Liang
Date: 19.DEC.2024 21:06:25

802.11a_5200MHz



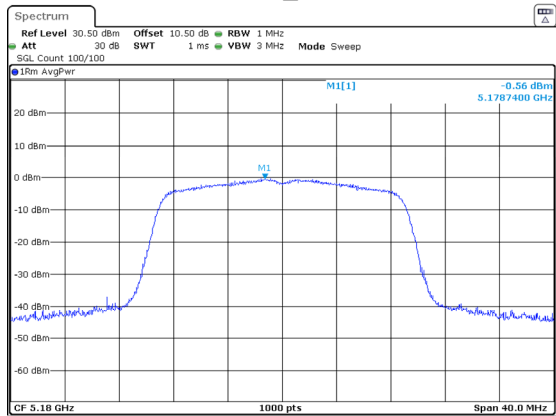
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Date: 19.DEC.2024 21:07:11

802.11a_5240MHz



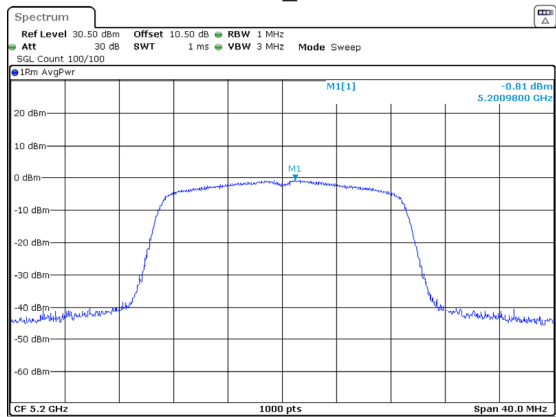
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Date: 19.DEC.2024 21:07:26

802.11ac20_5180MHz



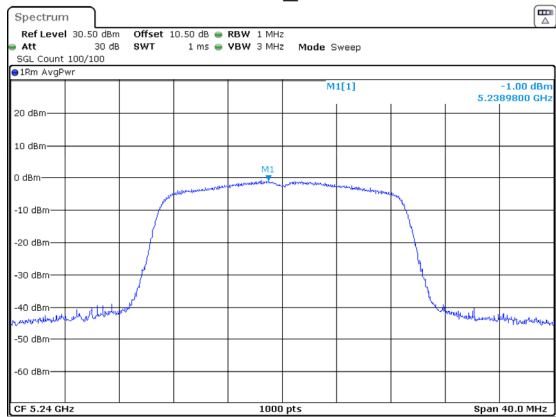
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802.11ac20_5200MHz



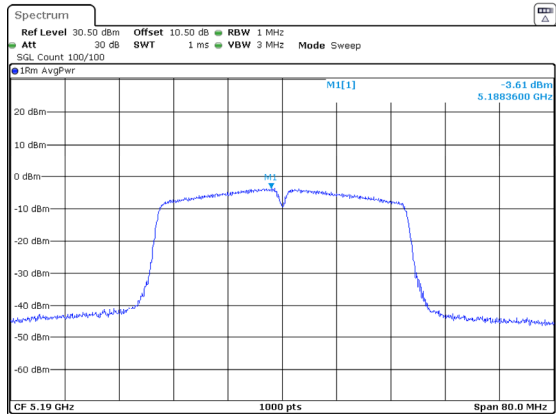
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Date: 19.DEC.2024 21:08:17

802.11ac20_5240MHz



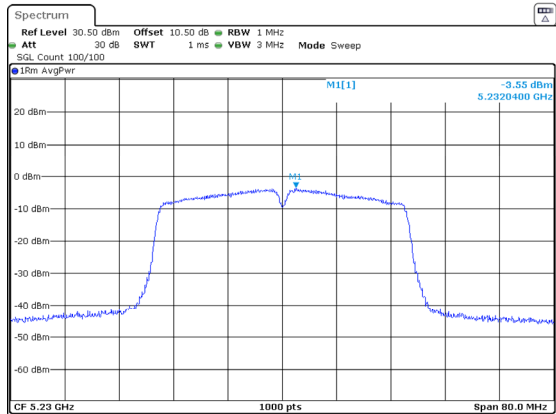
ProjectNo.:2401Z105021E-RF Tester:Kungfumaater Liang
Date: 19.DEC.2024 21:08:32

802.11ac40_5190MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaster Liang
Date: 19.DEC.2024 21:08:59

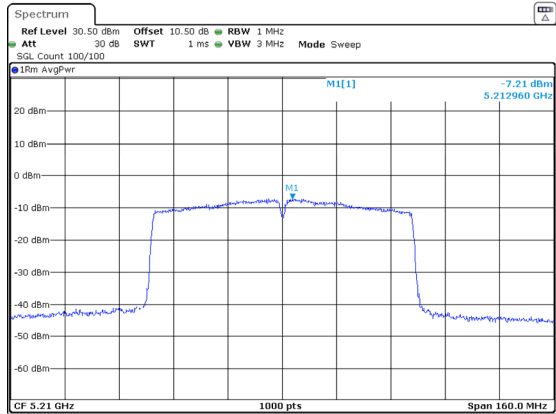
802.11ac40_5230MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaster Liang
Date: 19.DEC.2024 21:09:15

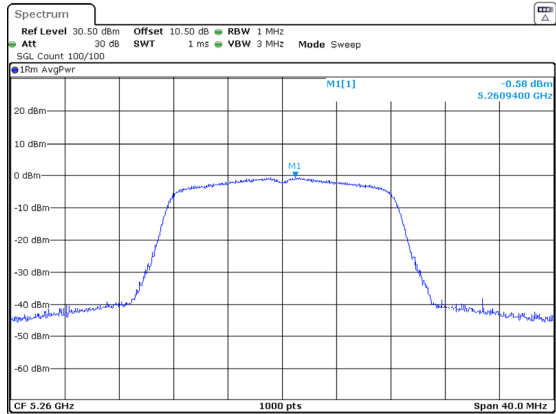
5250-5350MHz

802.11ac80_5210MHz



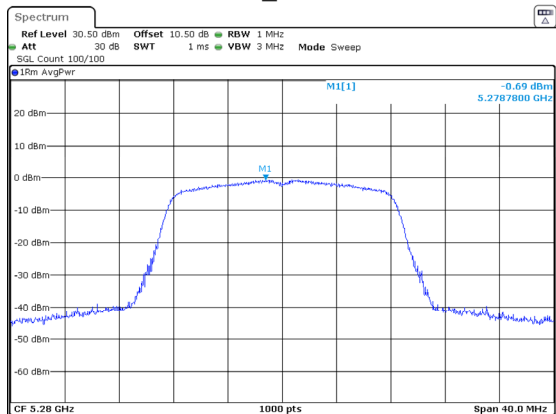
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Date: 19.DEC.2024 21:09:19

802.11a_5260MHz



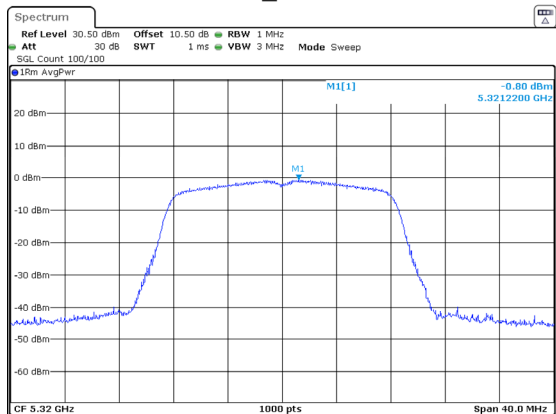
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Date: 19.DEC.2024 21:10:18

802.11a_5280MHz



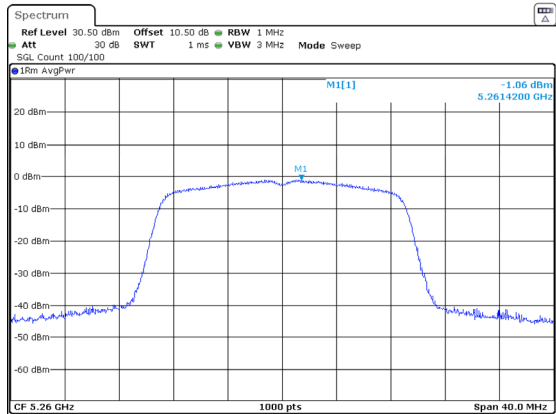
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Date: 19.DEC.2024 21:10:14

802.11a_5320MHz



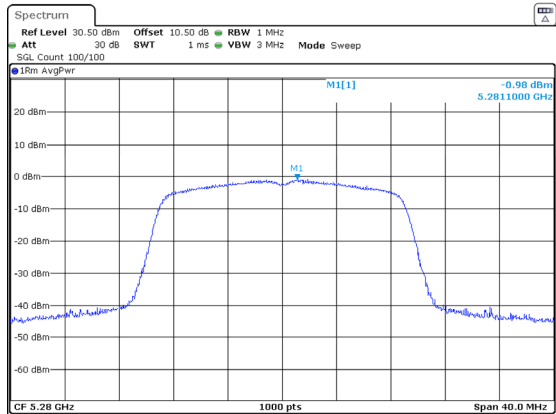
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Date: 19.DEC.2024 21:11:19

802.11ac20_5260MHz



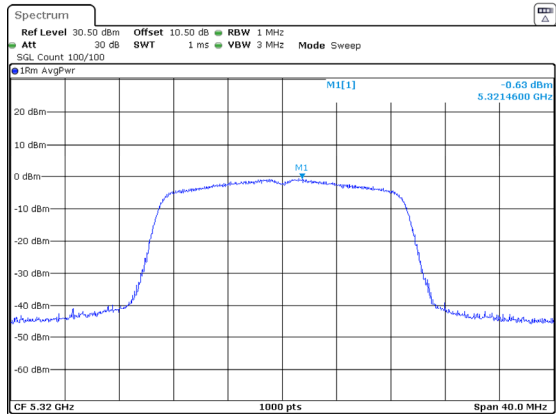
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Date: 19.DEC.2024 21:31:42

802.11ac20_5280MHz



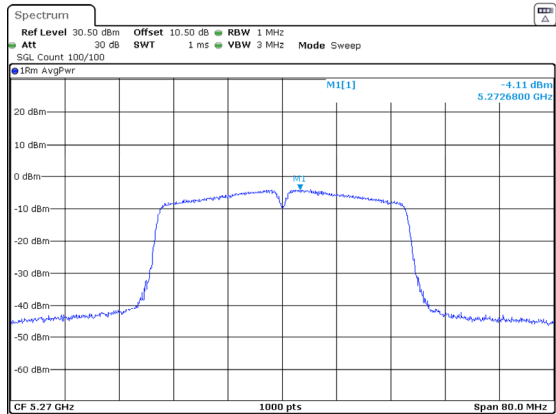
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Date: 19.DEC.2024 21:31:58

802.11ac20_5320MHz



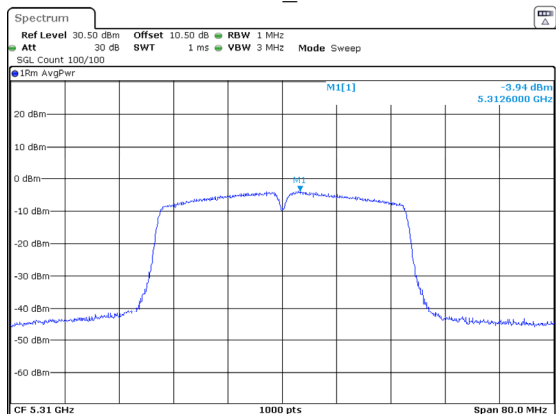
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802.11ac40_5270MHz



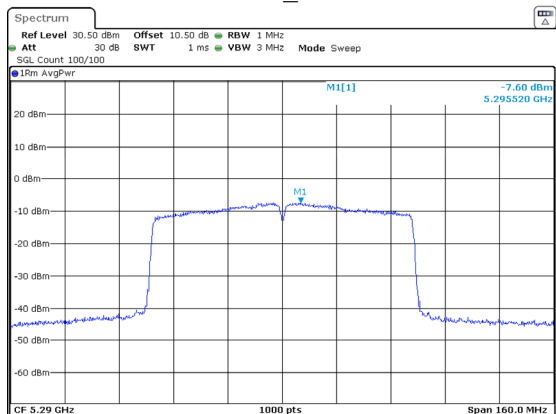
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Date: 19.DEC.2024 21:32:35

802.11ac40_5310MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaister Liang
Date: 19.DEC.2024 21:32:53

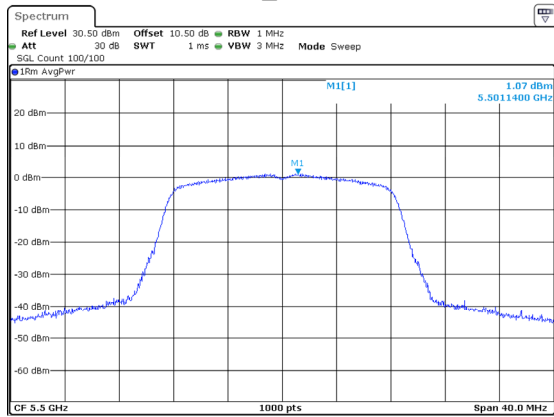
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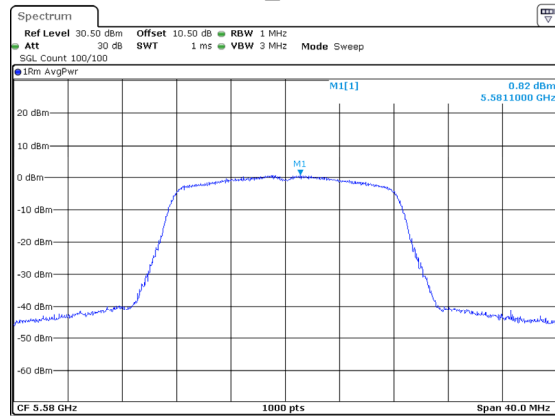
5470-5725MHz

802.11a_5500MHz



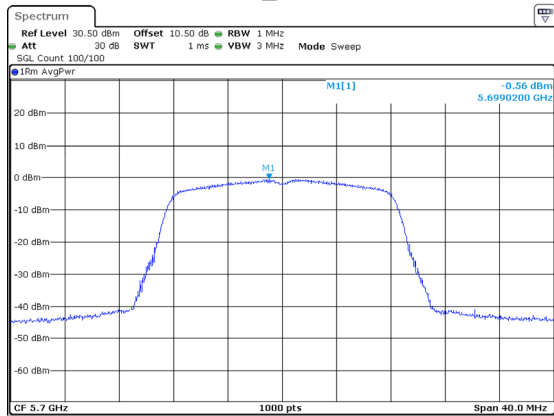
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Date: 7.JAN.2025 17:59:49

802.11a_5580MHz



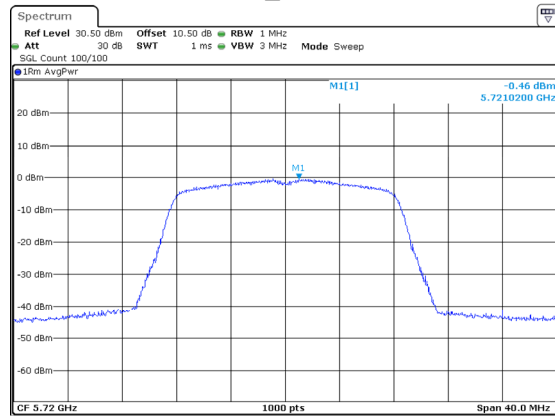
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Date: 7.JAN.2025 18:01:58

802.11a_5700MHz



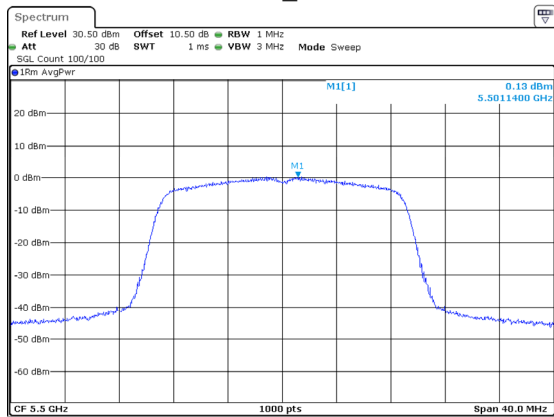
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Date: 7.JAN.2025 18:06:11

802.11a_5720MHz



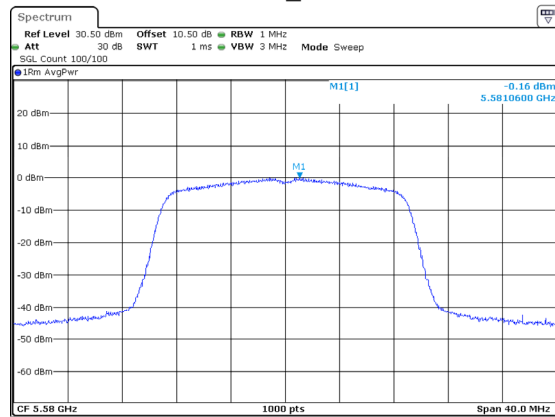
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Date: 7.JAN.2025 18:08:20

802.11ac20_5500MHz



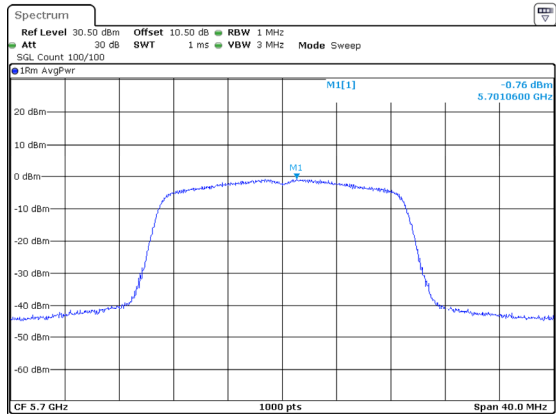
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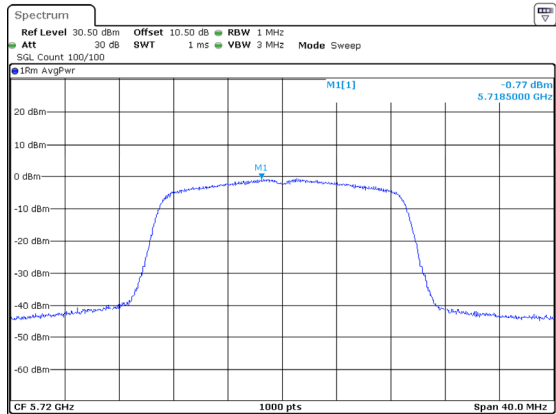
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Date: 7.JAN.2025 18:13:40

802.11ac20_5700MHz



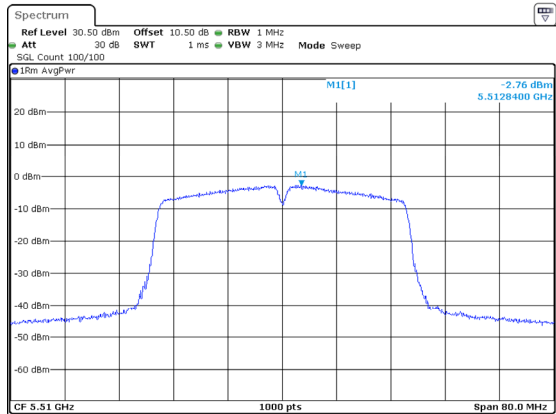
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Date: 7.JAN.2025 18:16:22

802.11ac20_5720MHz



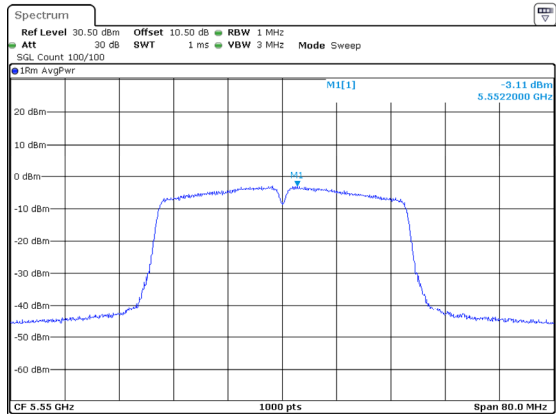
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Date: 7.JAN.2025 18:18:43

802.11ac40_5510MHz



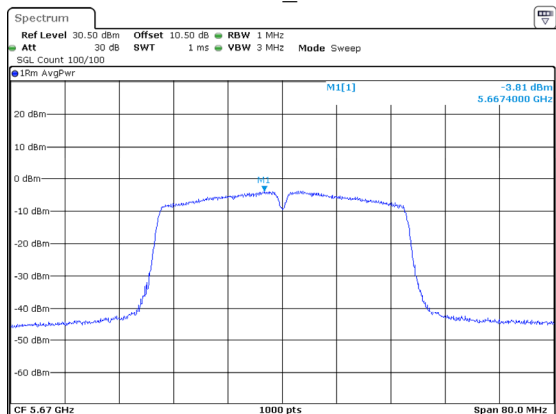
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Date: 7.JAN.2025 18:20:04

802.11ac40_5550MHz



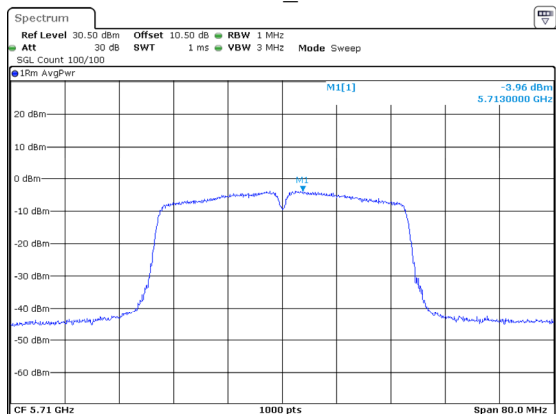
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802.11ac40_5670MHz



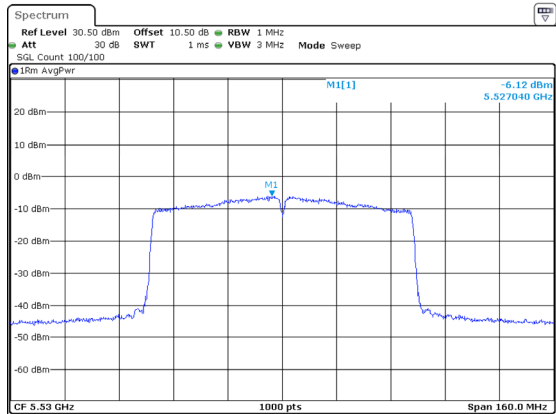
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802.11ac40_5710MHz



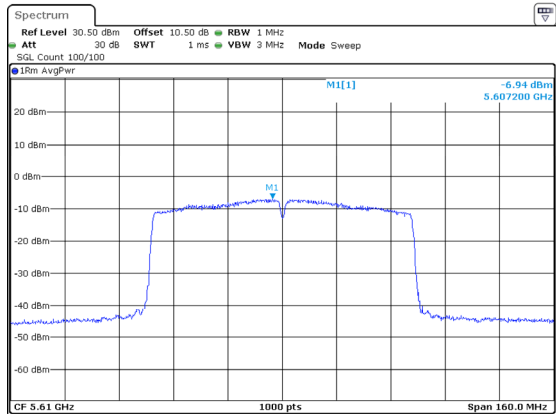
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802.11ac80_5530MHz



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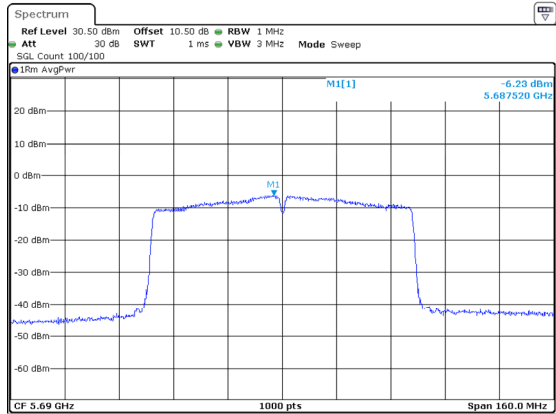
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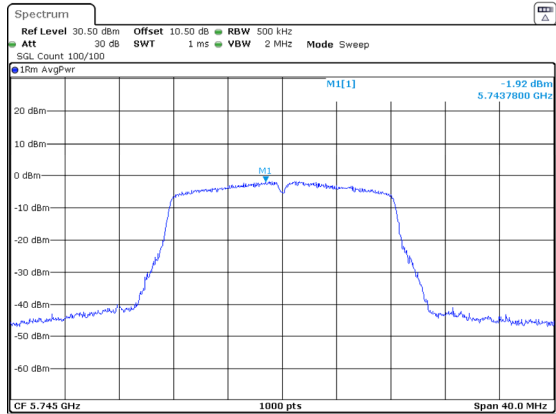
5725-5850MHz

802.11ac80_5690MHz



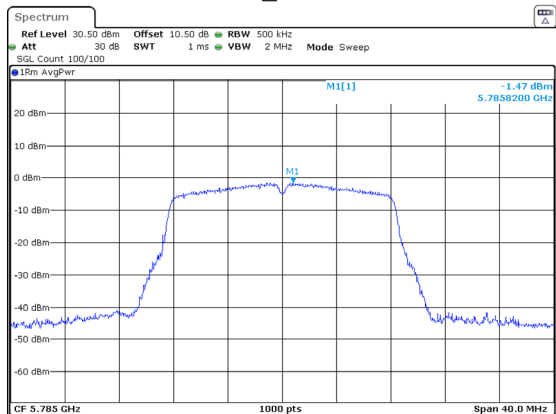
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Date: 7.JAN.2025 18:27:42

802.11a_5745MHz



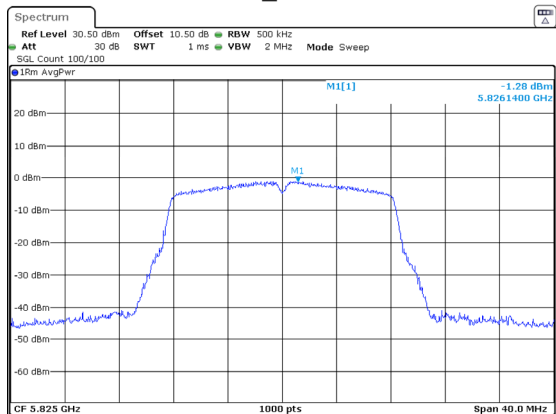
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Date: 19.DEC.2024 22:00:55

802.11a_5785MHz



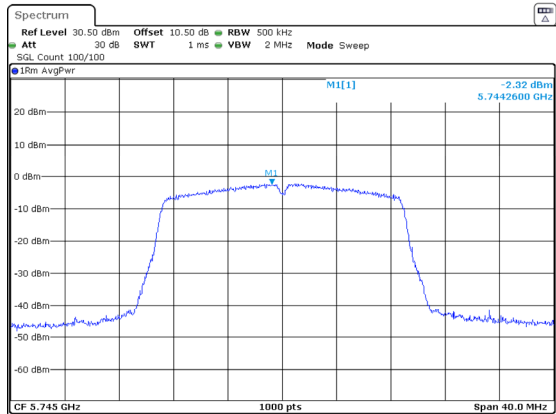
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Date: 19.DEC.2024 22:01:11

802.11a_5825MHz



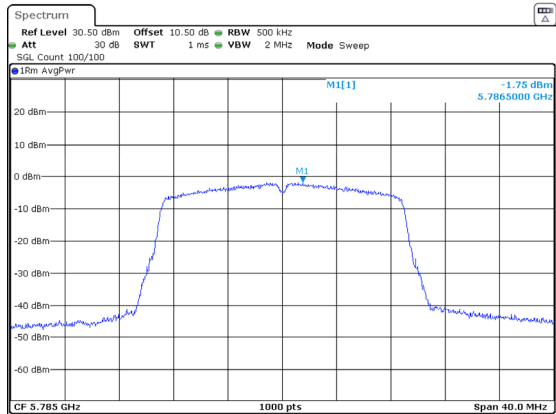
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Date: 19.DEC.2024 22:01:27

802.11ac20_5745MHz



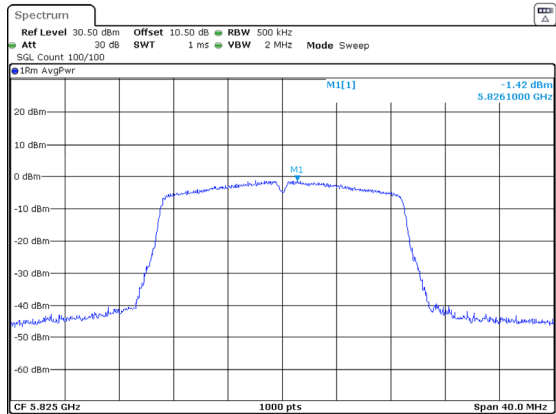
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802.11ac20_5785MHz



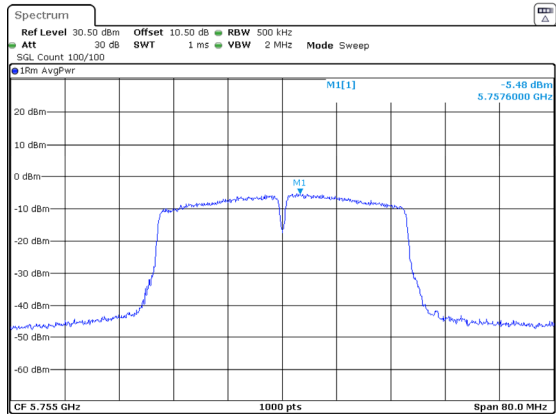
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Date: 19.DEC.2024 22:02:06

802.11ac20_5825MHz



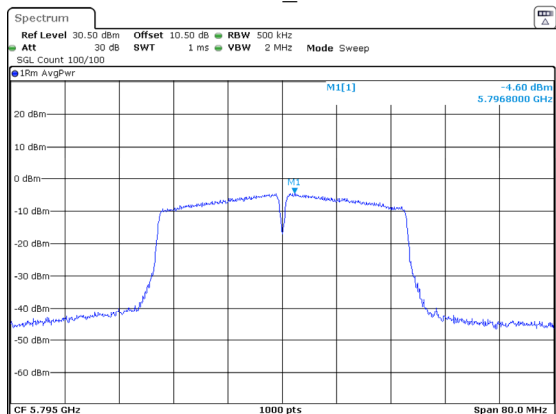
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Date: 19.DEC.2024 22:02:24

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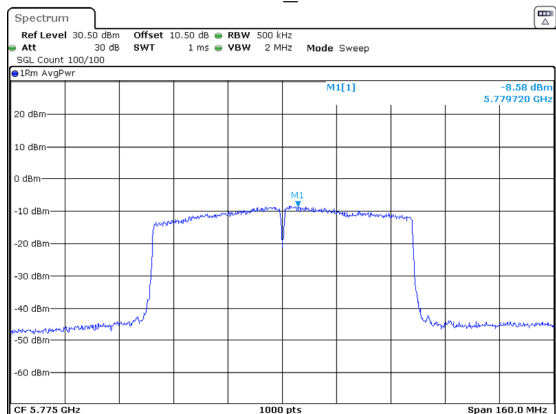
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Date: 19.DEC.2024 22:02:49

802.11ac40_5795MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumastr Liang
Date: 19.DEC.2024 22:03:06

802.11ac80_5775MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumastr Liang
Date: 19.DEC.2024 22:03:29

Duty Cycle

Test Information:

Sample No.:	2UKG-1	Test Date:	2025/02/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Kungfumaster Liang	Test Result:	N/A

Environmental Conditions:

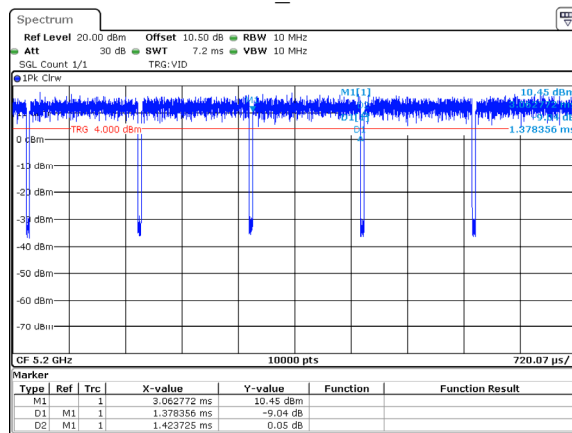
Temperature: (°C):	24.9	Relative Humidity: (%)	42	ATM Pressure: (kPa)	101.8
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Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.378	1.424	96.77	0.14	726	1
802.11ac20	5200	1.302	1.348	96.59	0.15	768	1
802.11ac40	5190	0.651	0.696	93.53	0.29	1536	2
802.11ac80	5210	0.324	0.368	88.04	0.55	3086	5

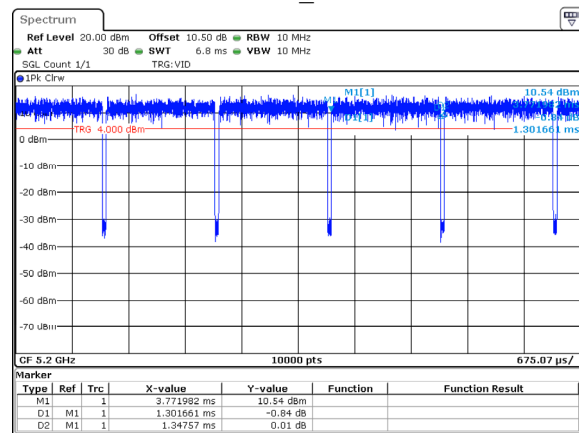
$$\text{Duty Cycle} = \text{Ton}/(\text{Ton}+\text{Toff}) \times 100\%$$

802.11a_5200MHz



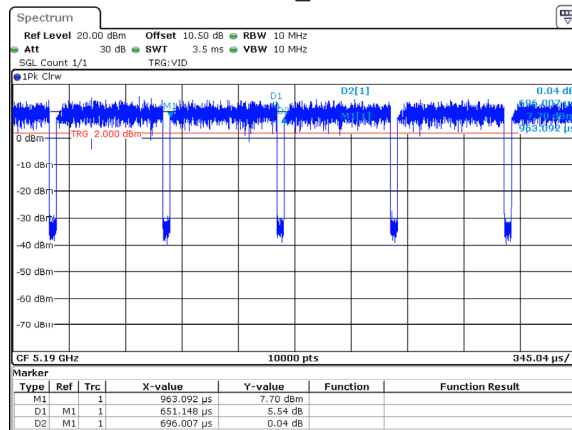
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Date: 13.FEB.2025 00:43:14

802.11ac20_5200MHz



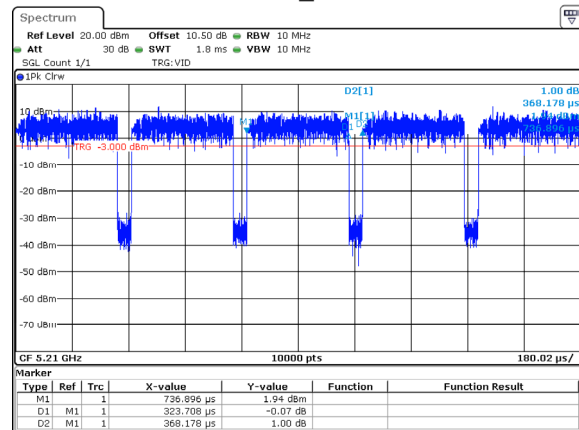
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Date: 13.FEB.2025 00:43:58

802.11ac40_5190MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaster Liang
Date: 13.FEB.2025 00:45:59

802.11ac80_5210MHz



ProjectNo.:2401Z105021E-RF Tester:Kungfumaster Liang
Date: 13.FEB.2025 00:58:41

RF EXPOSURE EVALUATION

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliance, please refer to the SAR report: 2402Z105025E-20[#], issued on 2025-02-15 by Bay Area Compliance Laboratories Corp. (Dongguan).

EUT PHOTOGRAPHS

Please refer to the attachment 2401Z105021E-RF External photo and 2401Z105021E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401Z105021E-RF-00B Test Setup photo.

******* END OF REPORT *******