Appendix A

Test Information:

Sample No.:	2V9M-2	**Test Date:**	2025/02/28
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Kungfumaster Liang	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	23.9	**Relative Humidity: (%)**	45	**ATM Pressure: (kPa)**	101

Emission Bandwidth

26dB Emission Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	19.219
	5200	19.169
	5240	19.219
802.11n20	5180	20.341
	5200	**20.493**
	5240	20.289

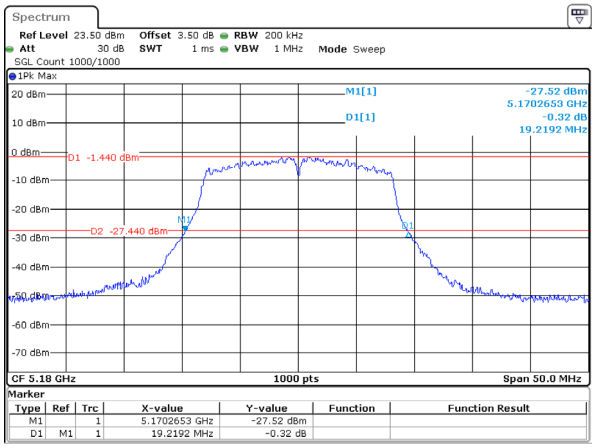
6dB Emission Bandwidth

5725-5850MHz

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	16.066	0.5	Pass
	5785	15.816	0.5	Pass
	5825	16.016	0.5	Pass
802.11n20	5745	**16.917**	0.5	Pass
	5785	16.867	0.5	Pass
	5825	16.867	0.5	Pass

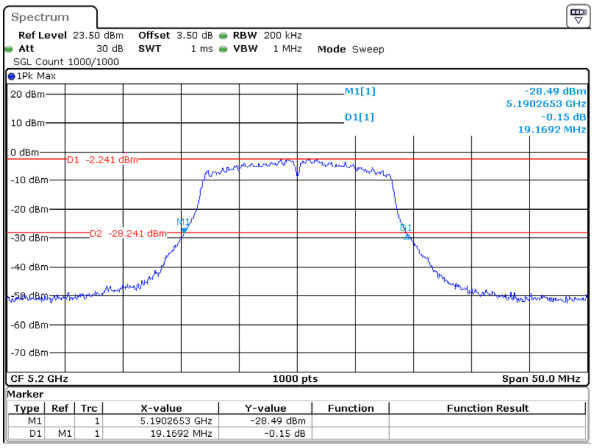
5150-5250MHz

802.11a_5180MHz



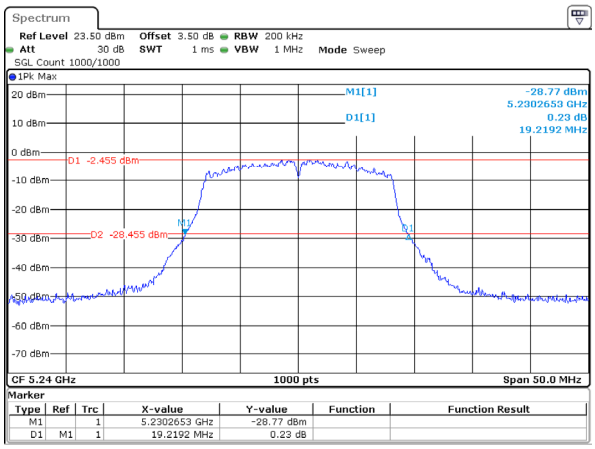
ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 01:27:20

802.11a_5200MHz



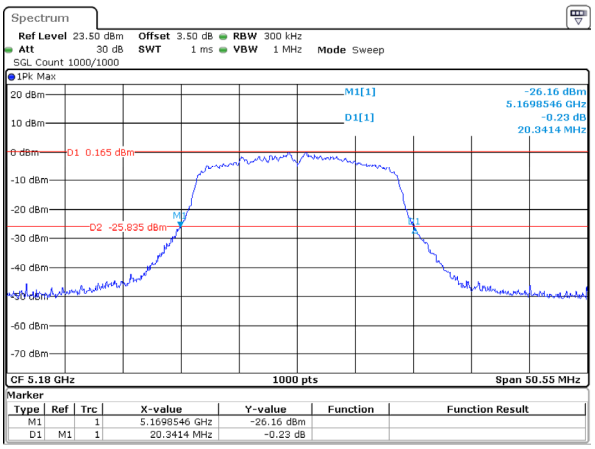
ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 01:30:12

802.11a_5240MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 01:32:07

802.11n20_5180MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
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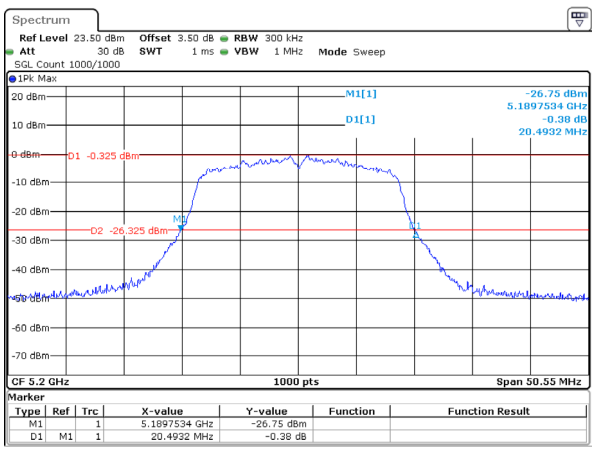
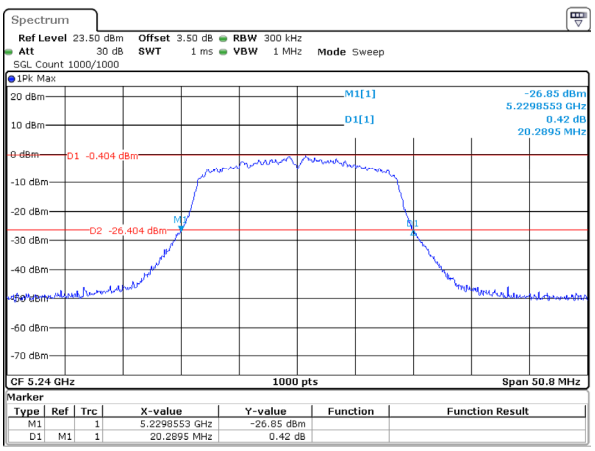
802.11n20_5200MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 01:36:33

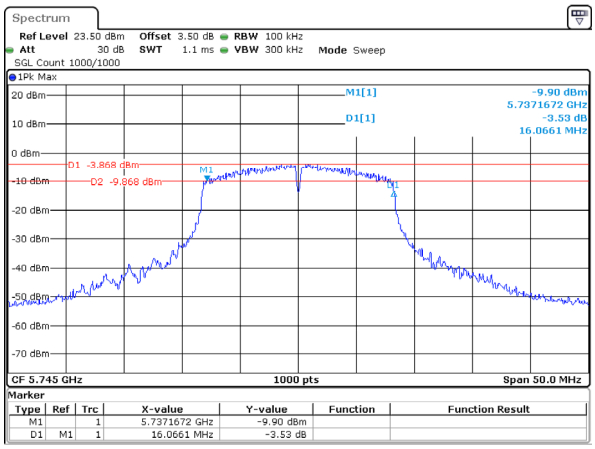
802.11n20_5240MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 01:38:36

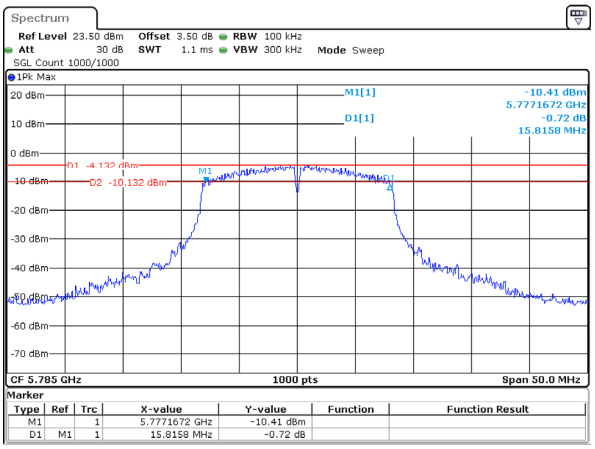
5725-5850MHz

802.11a_5745MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 02:01:34

802.11a_5785MHz



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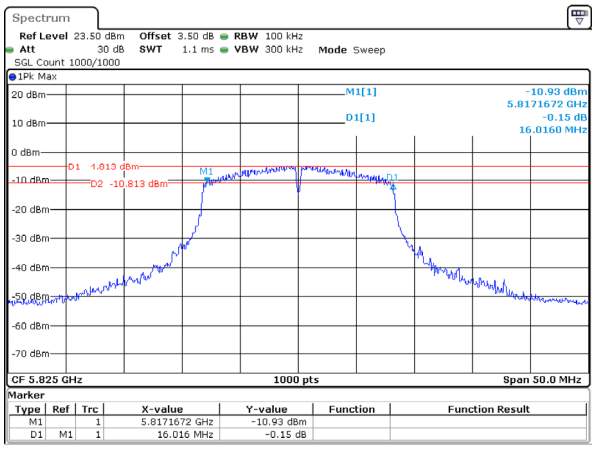
Date: 28.FEB.2025 02:04:43

802.11a_5825MHz



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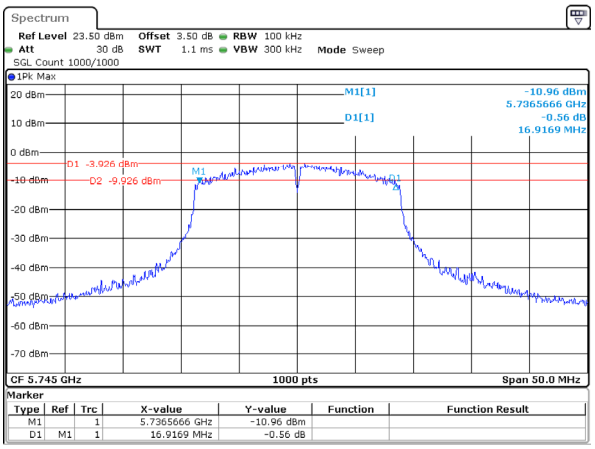
802.11n20_5745MHz



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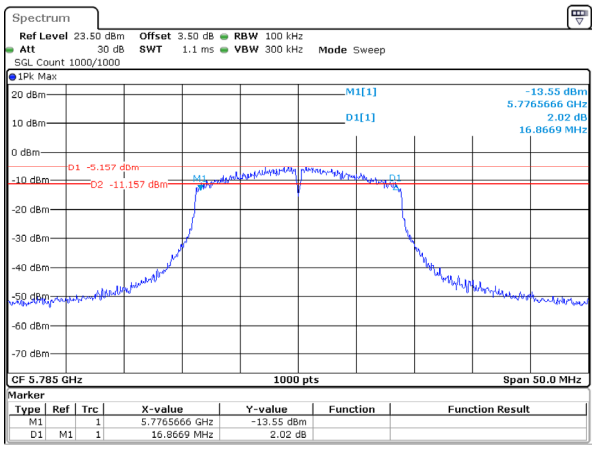
802.11n20_5785MHz



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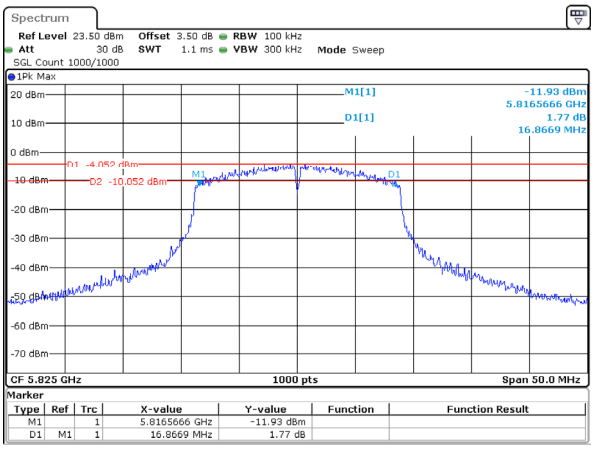
Date: 28.FEB.2025 02:12:10

802.11n20_5825MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 02:32:40

99% Occupied Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.250
	5200	16.250
	5240	16.250
802.11n20	5180	17.350
	5200	**17.400**
	5240	**17.400**

Note:

The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5725-5850MHz

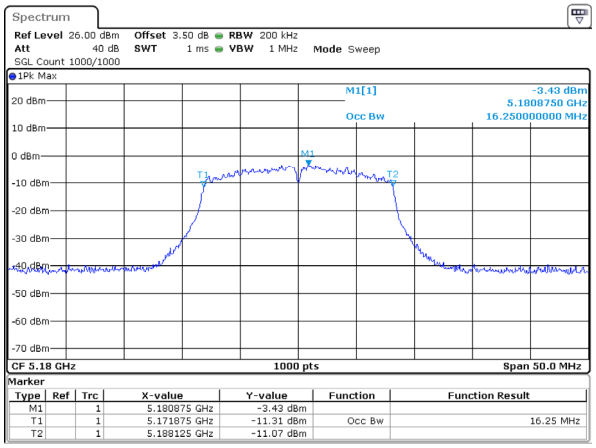
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	16.250
	5785	16.250
	5825	16.250
802.11n20	5745	**17.400**
	5785	**17.400**
	5825	**17.400**

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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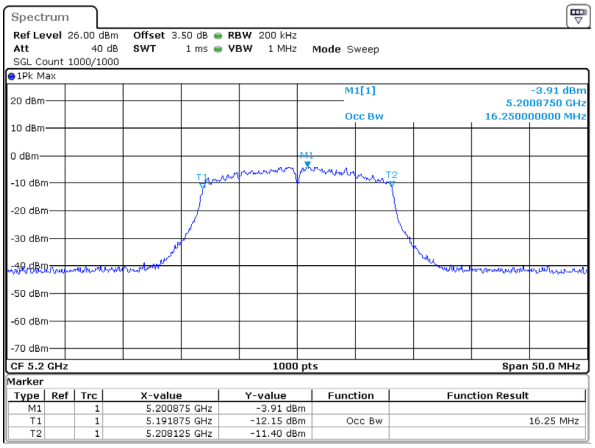
Date: 28.FEB.2025 01:28:04

802.11a_5200MHz



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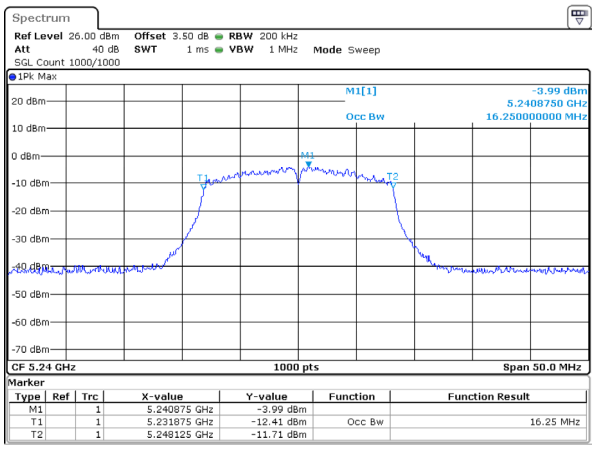
Date: 28.FEB.2025 01:30:49

802.11a_5240MHz



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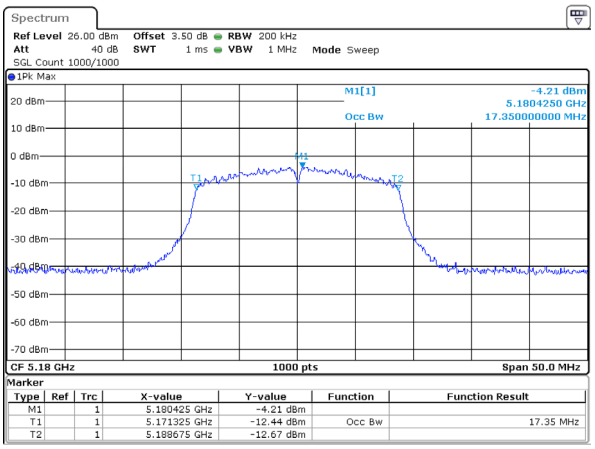
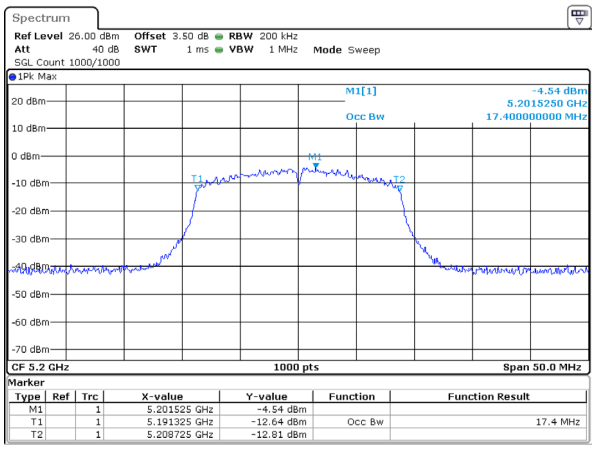
Date: 28.FEB.2025 01:32:47

802.11n20_5180MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 01:35:12

802.11n20_5200MHz



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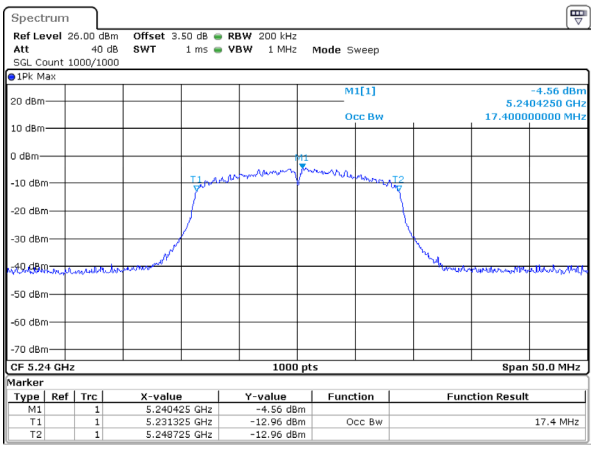
Date: 28.FEB.2025 01:37:10

802.11n20_5240MHz



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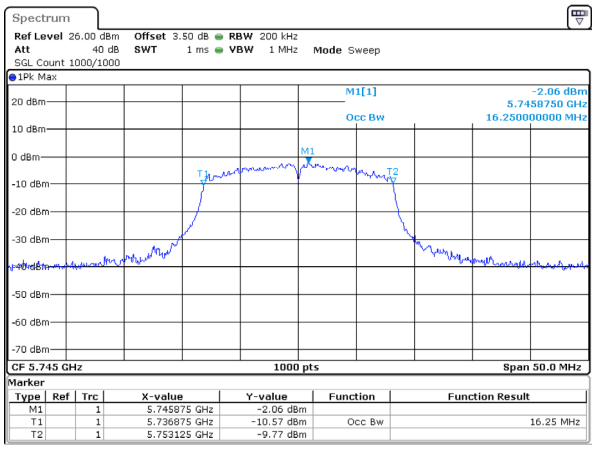
Date: 28.FEB.2025 01:39:16

5725-5850MHz

802.11a_5745MHz



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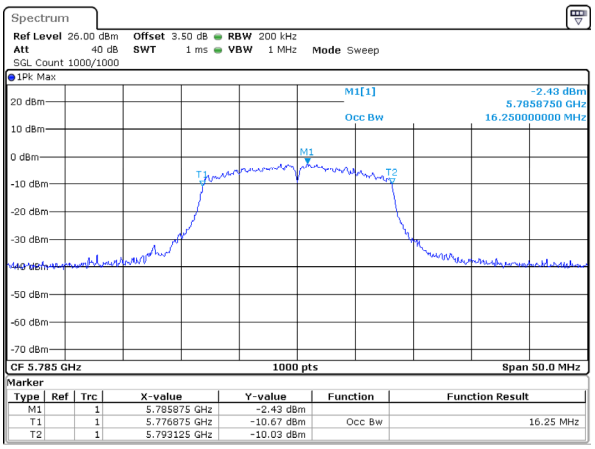
Date: 28.FEB.2025 02:02:23

802.11a_5785MHz



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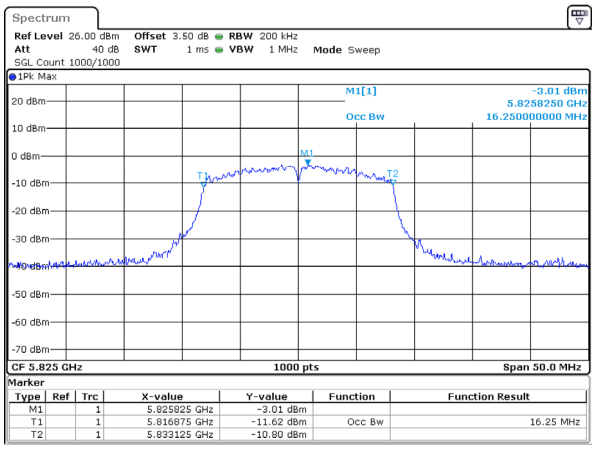
Date: 28.FEB.2025 02:05:39

802.11a_5825MHz



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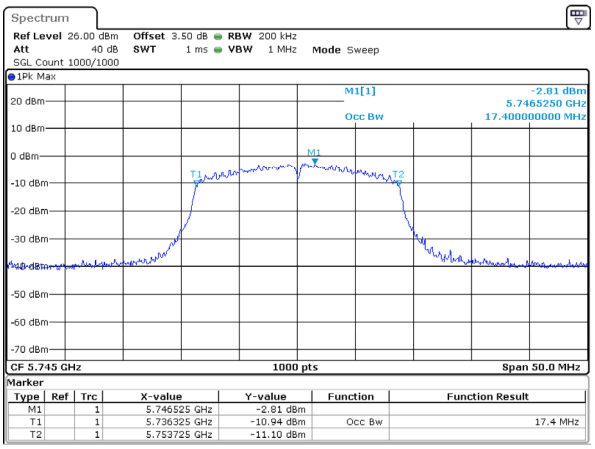
Date: 28.FEB.2025 02:08:02

802.11n20_5745MHz



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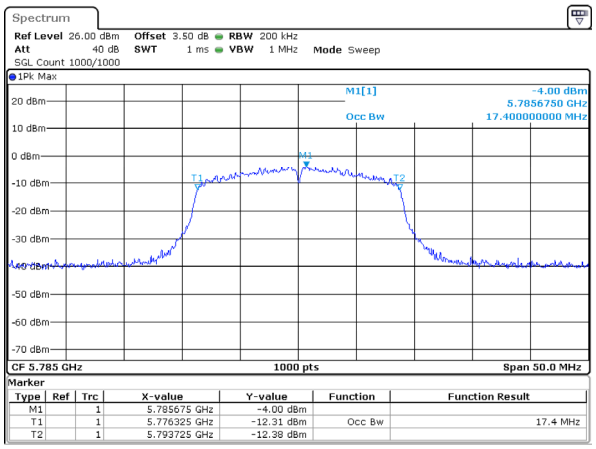
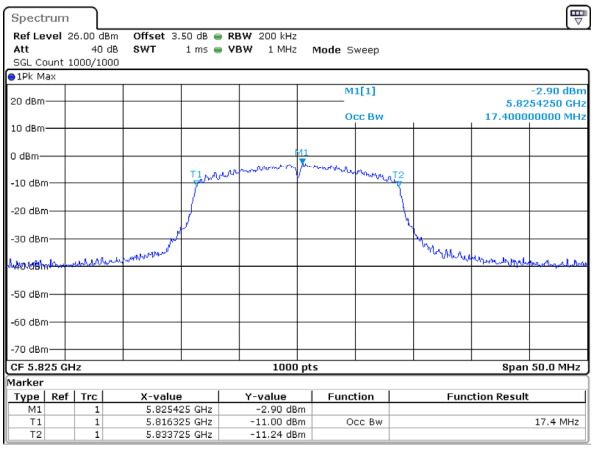
Date: 28.FEB.2025 02:10:33

802.11n20_5785MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 02:13:07

802.11n20_5825MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 02:33:17

Maximum Conducted Output Power

5150-5250MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	**7.96**	30	Pass
	5200	7.44	30	Pass
	5240	7.22	30	Pass
802.11n20	5180	7.55	30	Pass
	5200	7.14	30	Pass
	5240	7.01	30	Pass

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	**9.09**	30	Pass
	5785	8.74	30	Pass
	5825	8.06	30	Pass
802.11n20	5745	8.84	30	Pass
	5785	7.61	30	Pass
	5825	8.82	30	Pass

Note：

The EUT is an indoor AP.

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	-1.64	/	**-1.64**	17	Pass
	5200	-2.32	/	-2.32	17	Pass
	5240	-2.50	/	-2.50	17	Pass
802.11n20	5180	-2.14	/	-2.14	17	Pass
	5200	-2.29	/	-2.29	17	Pass
	5240	-2.66	/	-2.66	17	Pass

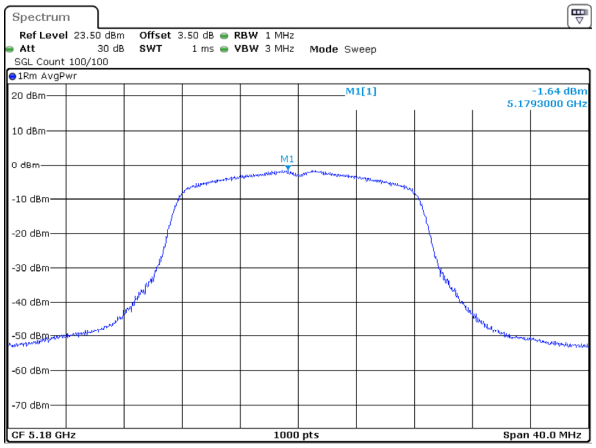
5725-5850MHz

Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	-3.42	/	**-3.42**	30	Pass
	5785	-3.56	/	-3.56	30	Pass
	5825	-4.47	/	-4.47	30	Pass
802.11n20	5745	-3.93	/	-3.93	30	Pass
	5785	-4.90	/	-4.90	30	Pass
	5825	-3.69	/	-3.69	30	Pass

Result = Reading + Duty Cycle Factor

5150-5250MHz

802.11a_5180MHz



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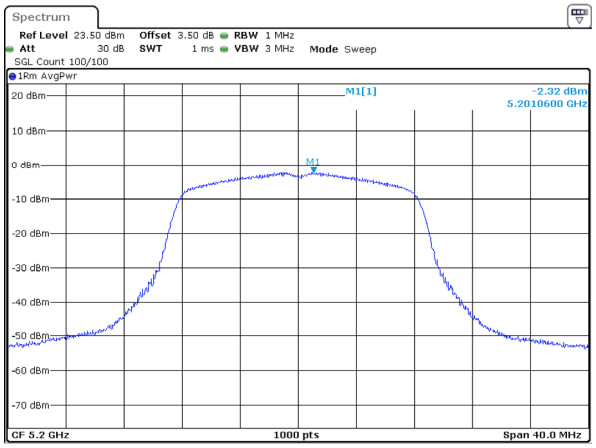
Date: 28.FEB.2025 01:28:22

802.11a_5200MHz



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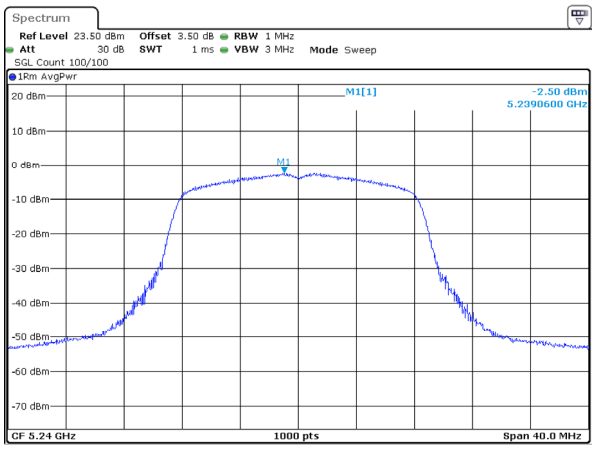
802.11a_5240MHz



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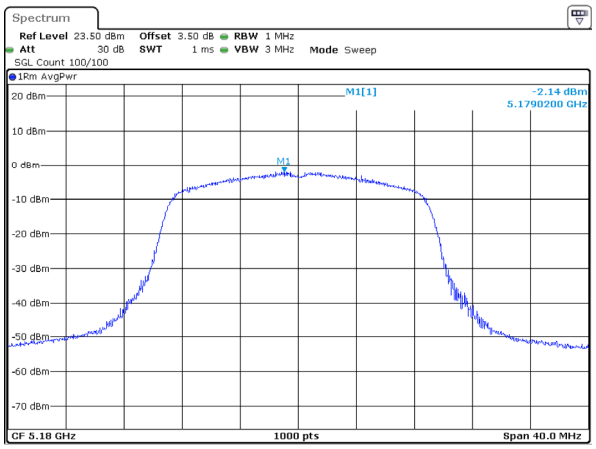
802.11n20_5180MHz



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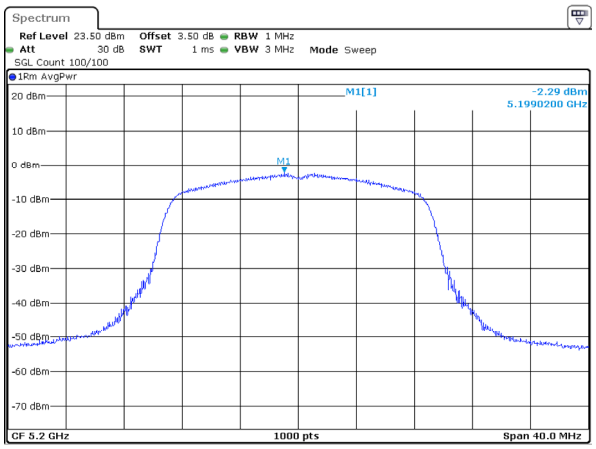
802.11n20_5200MHz



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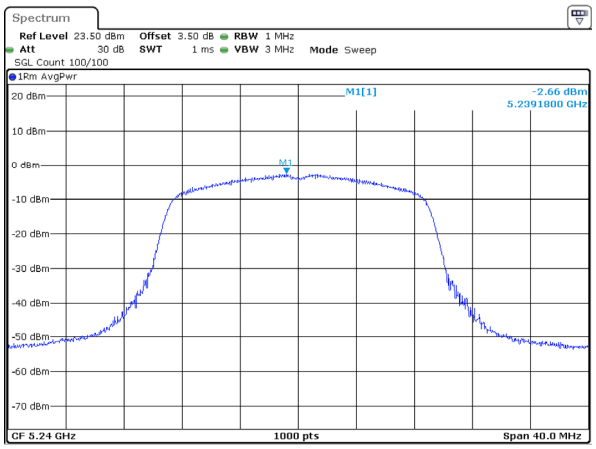
802.11n20_5240MHz



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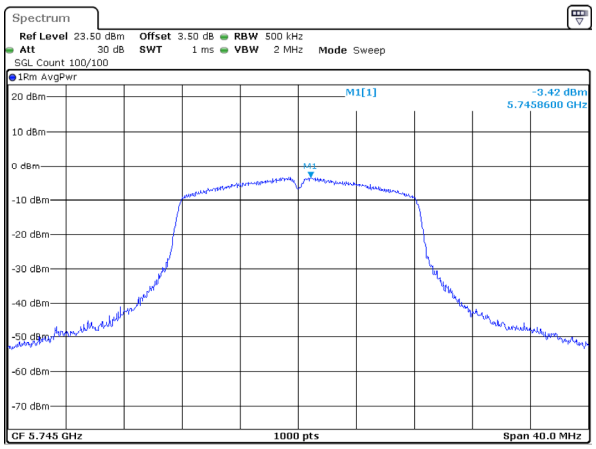
Date: 28.FEB.2025 01:39:33

5725-5850MHz

802.11a_5745MHz



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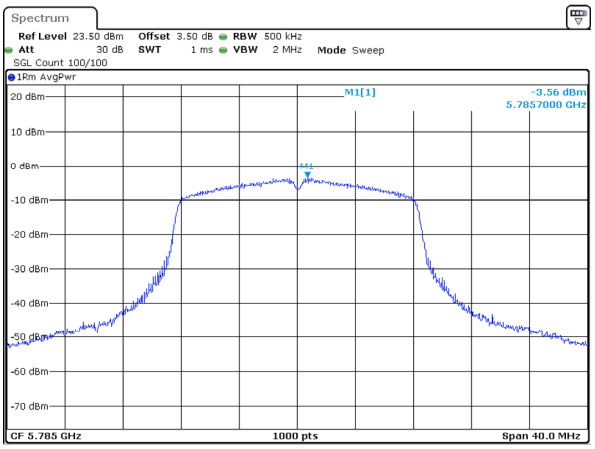
Date: 28.FEB.2025 02:02:41

802.11a_5785MHz



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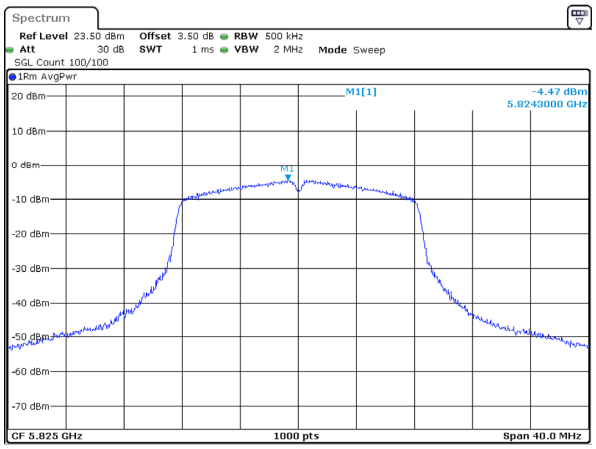
Date: 28.FEB.2025 02:05:57

802.11a_5825MHz



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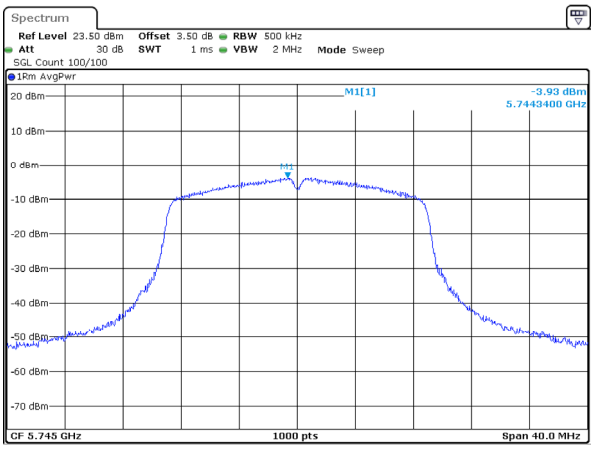
802.11n20_5745MHz



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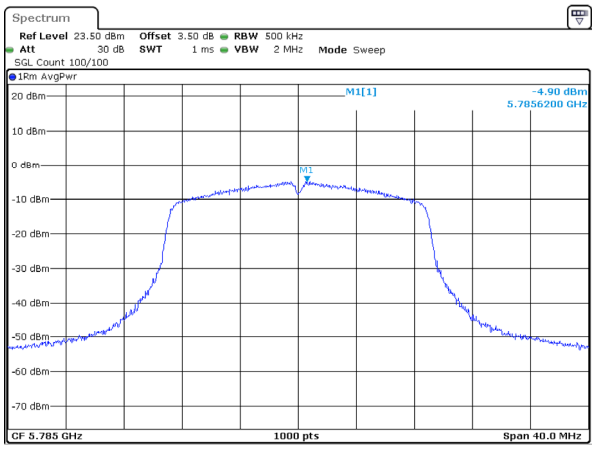
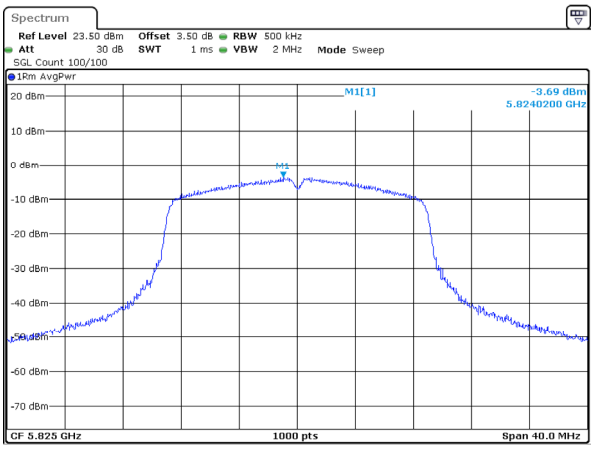
Date: 28.FEB.2025 02:10:51

802.11n20_5785MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 02:13:25

802.11n20_5825MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 02:33:35

Duty Cycle

5150-5250MHz

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	/	/	0.010
802.11n20	5200	**100**	100	100	/	/	0.010

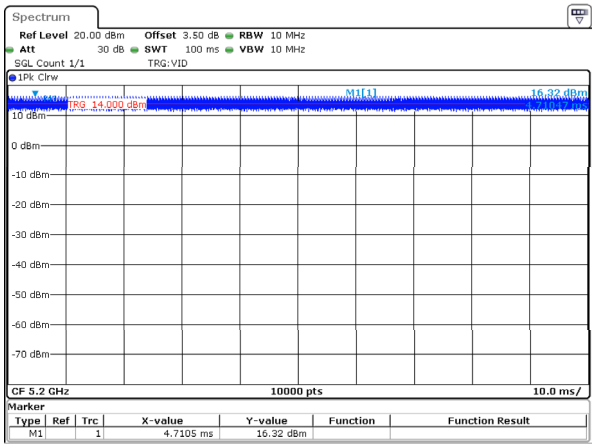
5725-5850MHz

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5785	**100**	100	100	/	/	0.010
802.11n20	5785	**100**	100	100	/	/	0.010

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

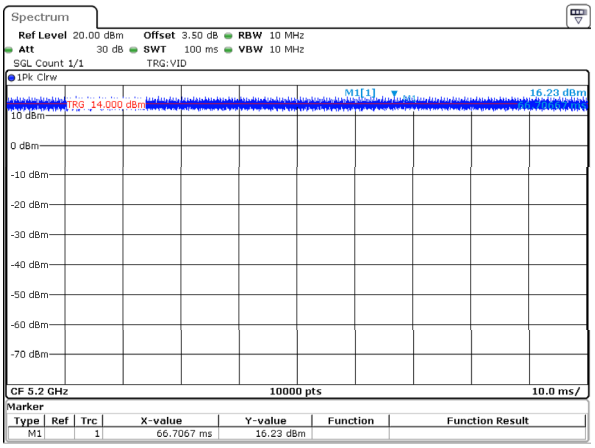
5150-5250MHz

802.11a_5200MHz



ProjectNo.:2401Z60872E-RF Tester:Kungfumaster Liang
Date: 28.FEB.2025 01:20:39

802.11n20_5200MHz



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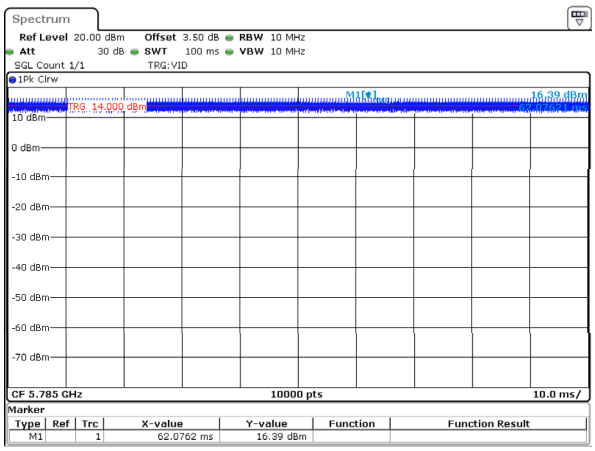
Date: 28.FEB.2025 01:21:18

5725-5850MHz

802.11a_5785MHz



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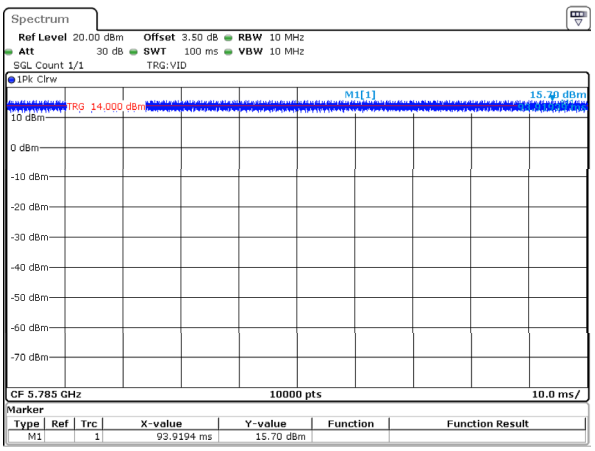
Date: 28.FEB.2025 01:24:57

802.11n20_5785MHz



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Date: 28.FEB.2025 01:25:28