

Appendix B

Test Information:

Sample No.:	2UJT-1	Test Date:	2025/09/28
Test Site:	RF	Test Mode:	Transmitting
Tester:	Kungfumaster Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5	Relative Humidity: (%)	51	ATM Pressure: (kPa)	101.4
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Emission Bandwidth

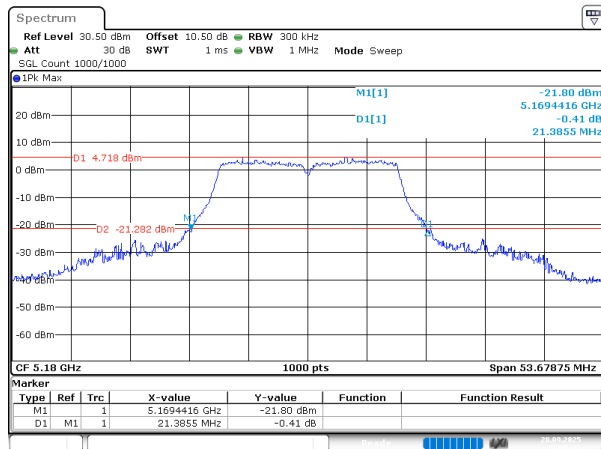
26dB Emission Bandwidth

5150-5250MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	21.386
	5200	22.252
	5240	21.618
802.11ac20	5180	22.408
	5200	22.507
	5240	23.001
802.11ac40	5190	58.284
	5230	43.143

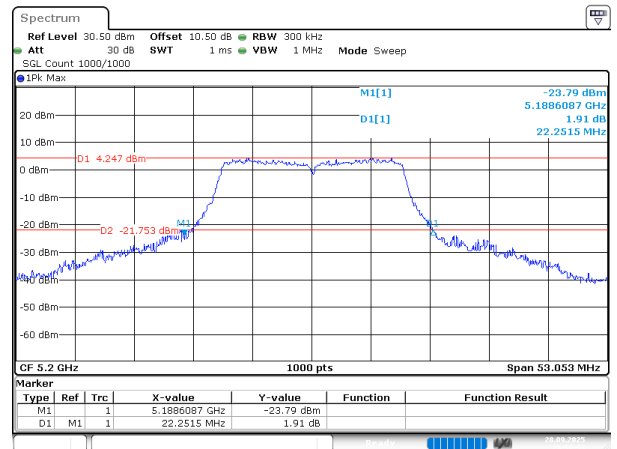
5150-5250MHz

802.11a_5180MHz



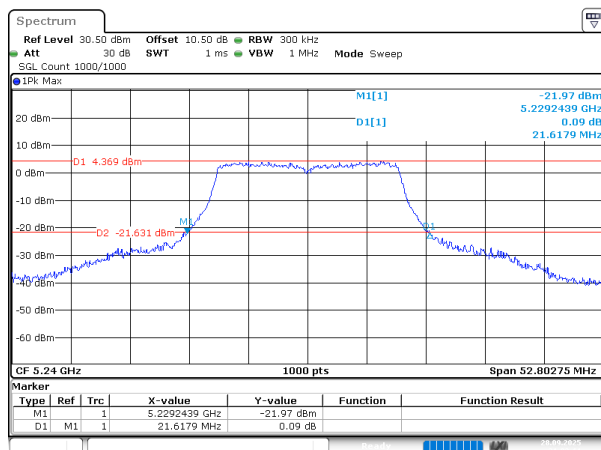
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 20:55:23

802.11a_5200MHz



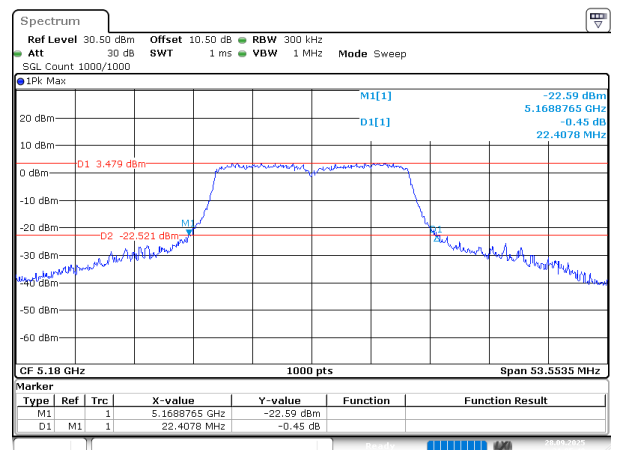
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Date: 28.SEP.2025 20:58:55

802.11a_5240MHz



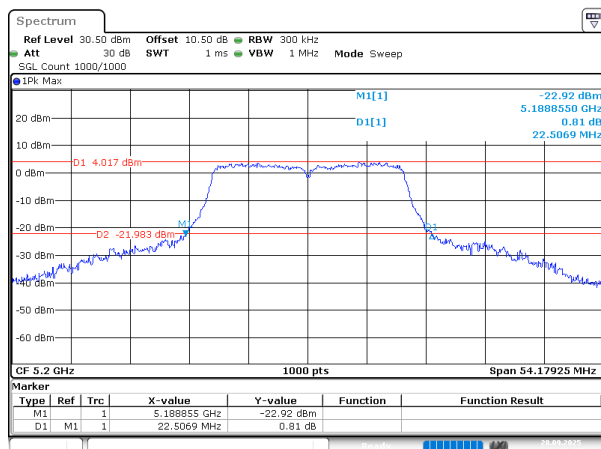
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:02:12

802.11ac20_5180MHz



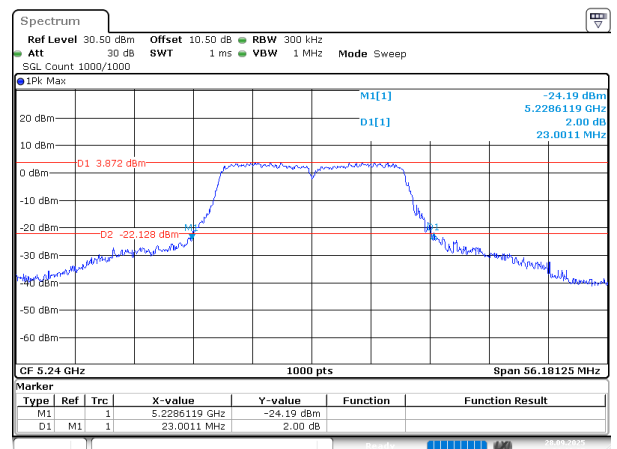
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Date: 28.SEP.2025 21:05:41

802.11ac20_5200MHz



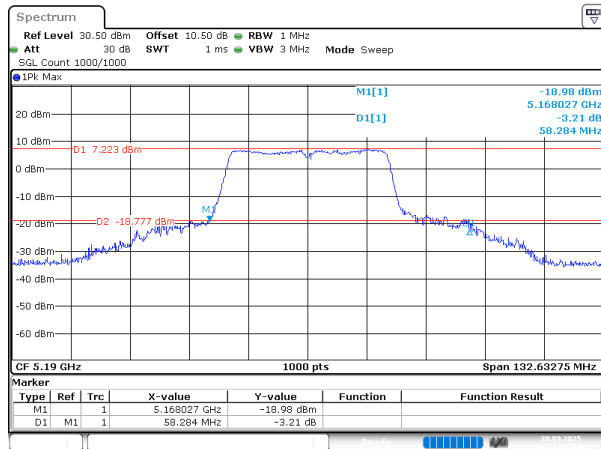
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:09:05

802.11ac20_5240MHz



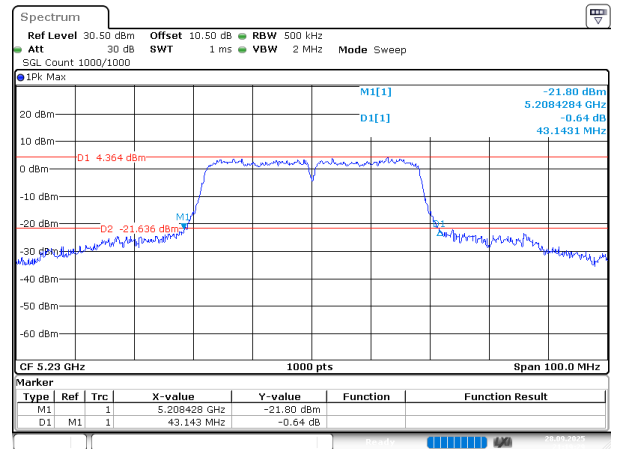
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:13:07

802.11ac40_5190MHz



ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:16:23

802.11ac40_5230MHz



ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:19:29

99% Occupied Bandwidth

5150-5250MHz

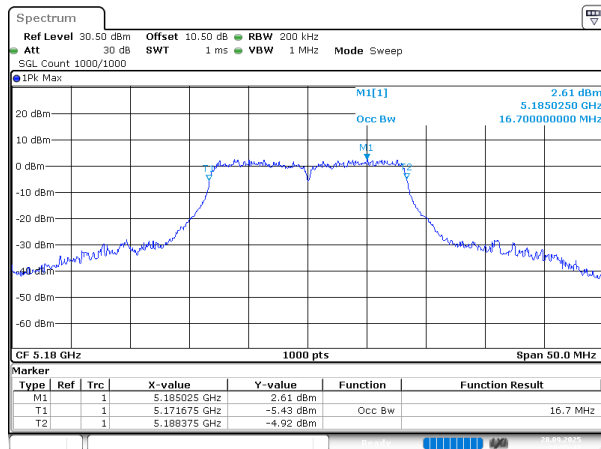
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.700
	5200	16.700
	5240	16.650
802.11ac20	5180	17.750
	5200	17.800
	5240	17.850
802.11ac40	5190	36.600
	5230	36.700

Note:

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

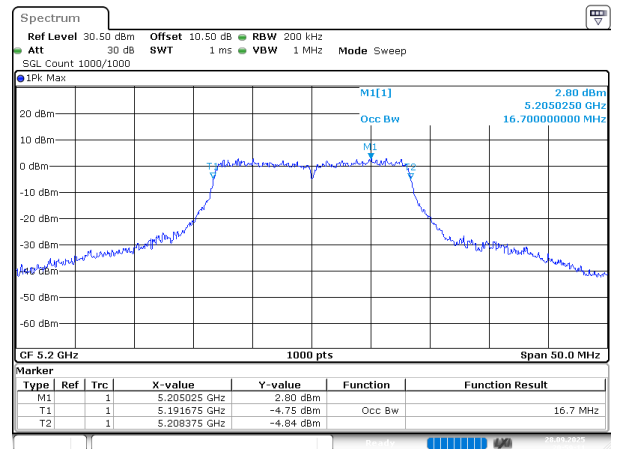
5150-5250MHz

802.11a_5180MHz



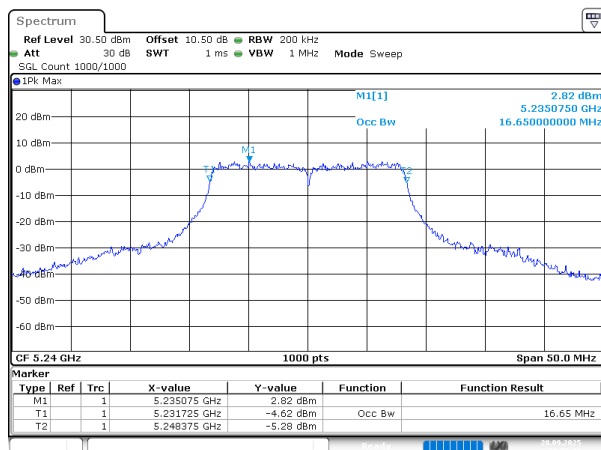
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Date: 28.SEP.2025 20:55:43

802.11a_5200MHz



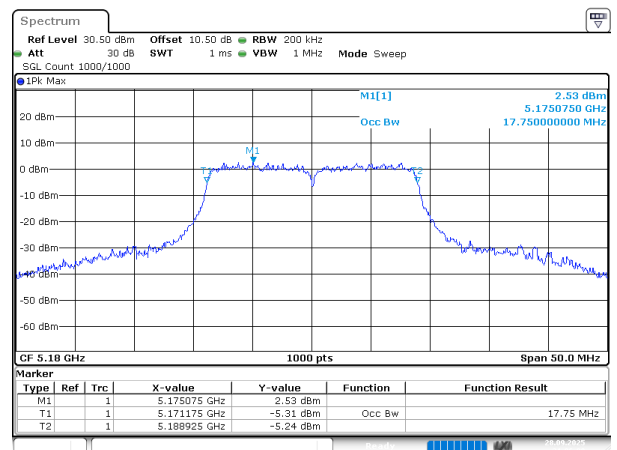
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Date: 28.SEP.2025 20:59:12

802.11a_5240MHz



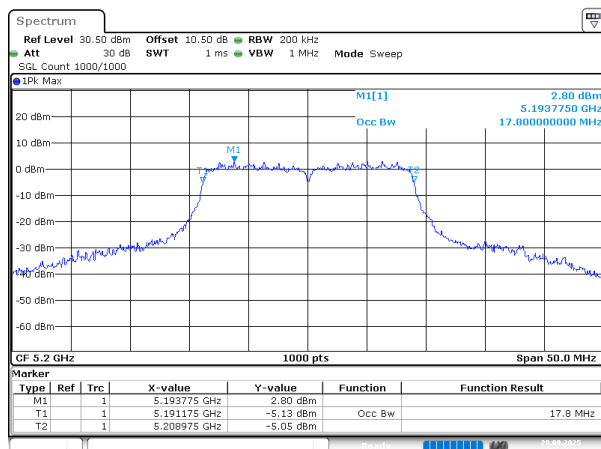
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802.11ac20_5180MHz



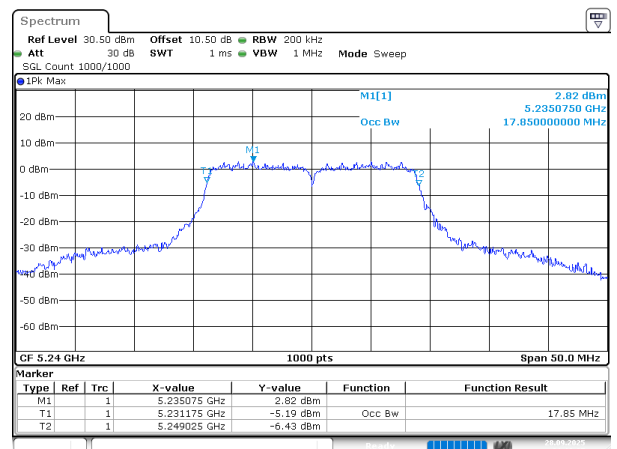
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802.11ac20_5200MHz



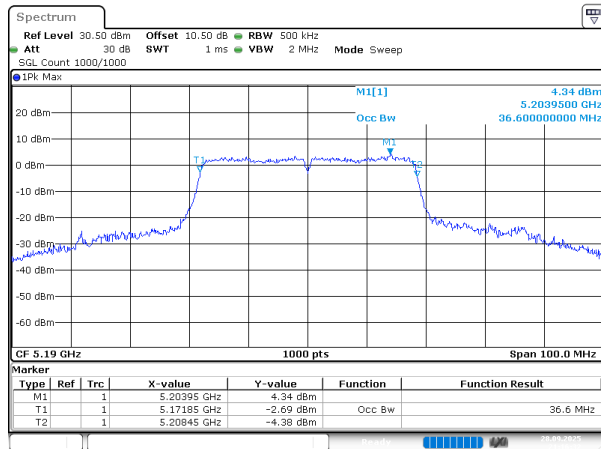
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:09:21

802.11ac20_5240MHz



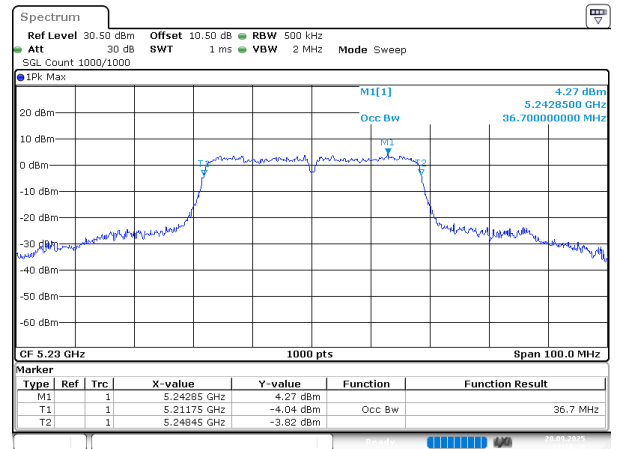
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:13:25

802.11ac40_5190MHz



ProjectNo.:2401Z105001E-RF Tester:Kungfmaster Liang
Date: 28.SEP.2025 21:16:32

802.11ac40_5230MHz



ProjectNo.:2401Z105001E-RF Tester:Kungfmaster Liang
Date: 28.SEP.2025 21:19:38

Maximum Conducted Output Power

5150-5250MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5180	12.61	23.98	Pass
	5200	12.80	23.98	Pass
	5240	12.78	23.98	Pass
802.11ac20	5180	12.54	23.98	Pass
	5200	12.84	23.98	Pass
	5240	12.86	23.98	Pass
802.11ac40	5190	13.18	23.98	Pass
	5230	13.40	23.98	Pass

Note:

1. The EUT can work as client or master, conducted output power test compliance with stricter limit of the two modes (client is stricter more).
2. The maximum EIRP= (13.40+0.74) dBm= 14.14dBm<21dBm, so it's can compliance with the requirement of the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125mW (21 dBm).

Power Spectral Density

5150-5250MHz

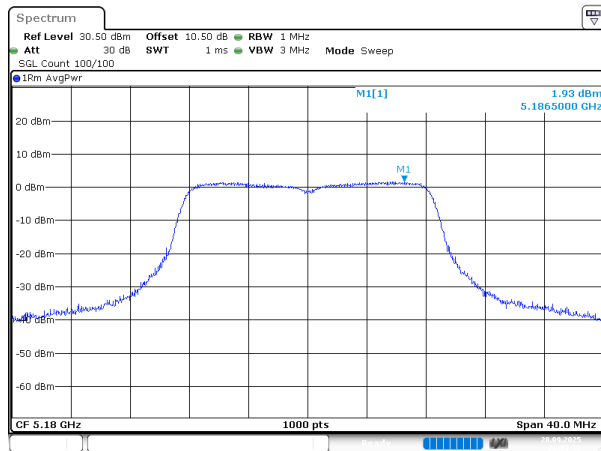
Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5180	1.93	0.19	2.12	11	Pass
	5200	1.72	0.19	1.91	11	Pass
	5240	1.87	0.19	2.06	11	Pass
802.11ac20	5180	1.15	0.26	1.41	11	Pass
	5200	1.67	0.26	1.93	11	Pass
	5240	1.53	0.26	1.79	11	Pass
802.11ac40	5190	-1.26	0.55	-0.71	11	Pass
	5230	-1.21	0.55	-0.66	11	Pass

Note:

1. Result = Reading + Duty Cycle Factor
2. The EUT can work as client or master, PSD test compliance with stricter limit of the two modes (client is stricter more).

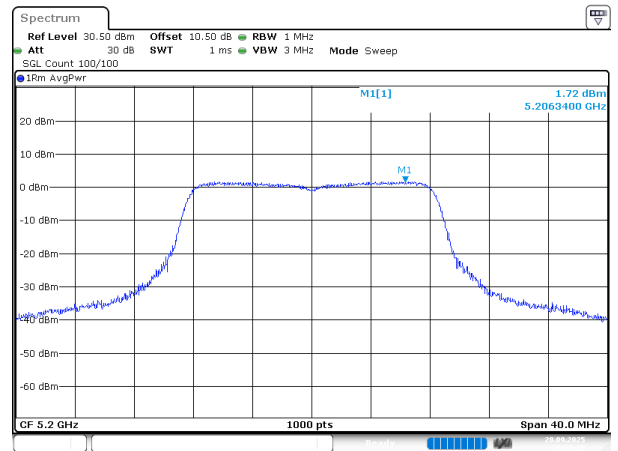
5150-5250MHz

802.11a_5180MHz



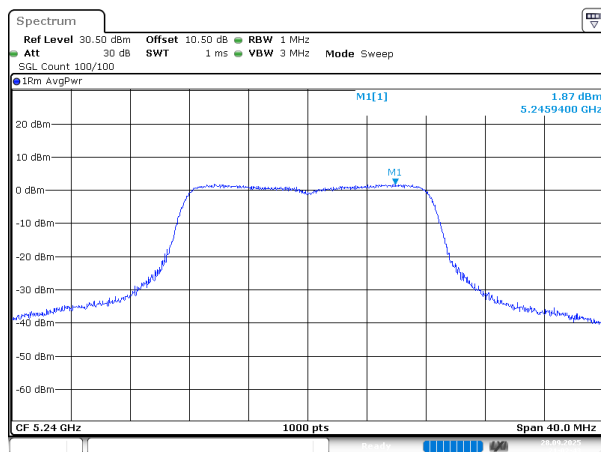
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 20:55:57

802.11a_5200MHz



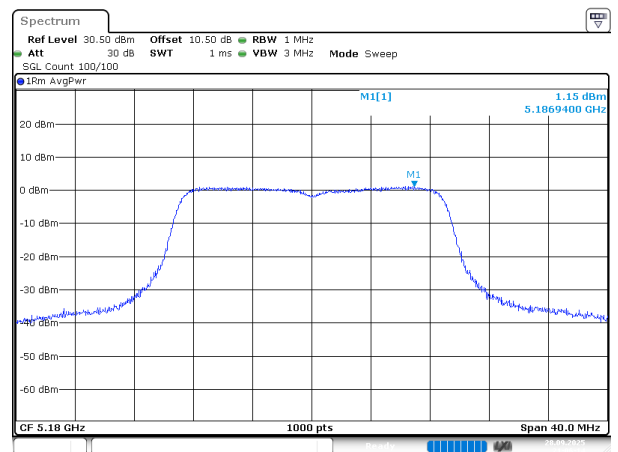
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 20:59:26

802.11a_5240MHz



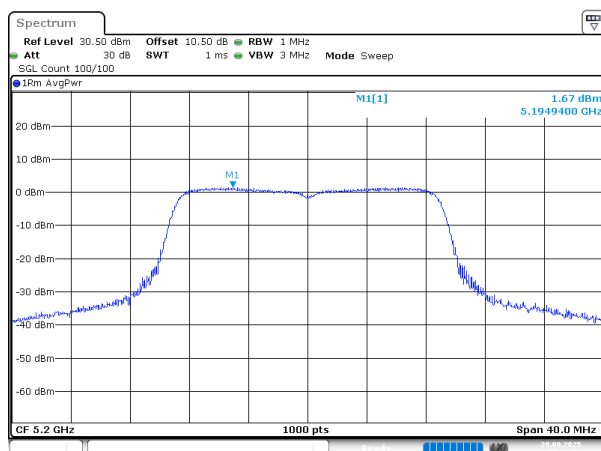
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:02:44

802.11ac20_5180MHz



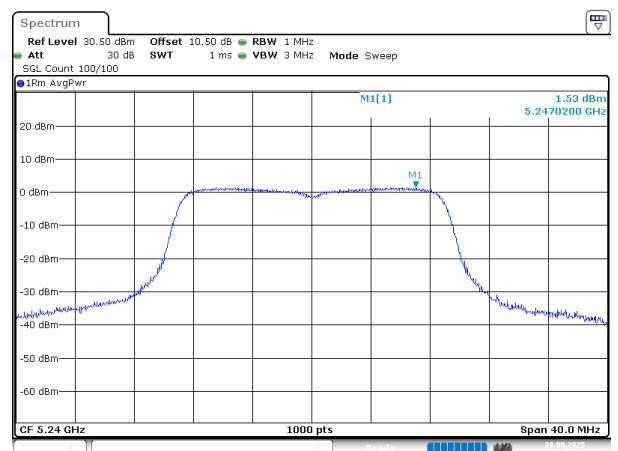
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Date: 28.SEP.2025 21:06:15

802.11ac20_5200MHz



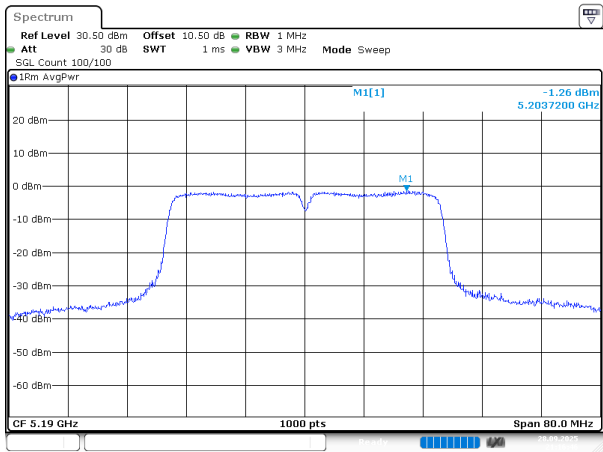
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Date: 28.SEP.2025 21:09:36

802.11ac20_5240MHz



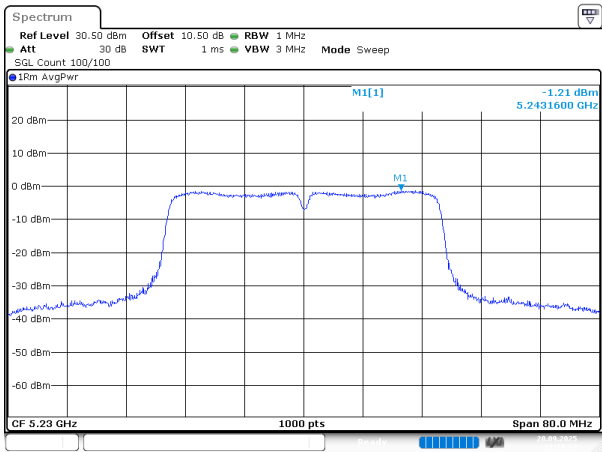
ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:13:39

802.11ac40_5190MHz



ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:16:46

802.11ac40_5230MHz



ProjectNo.:2401Z105001E-RF Tester:Kungfumaster Liang
Date: 28.SEP.2025 21:19:52

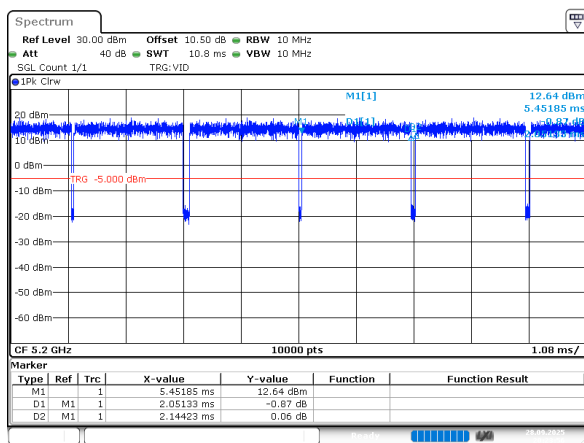
Duty Cycle

5150-5250MHz

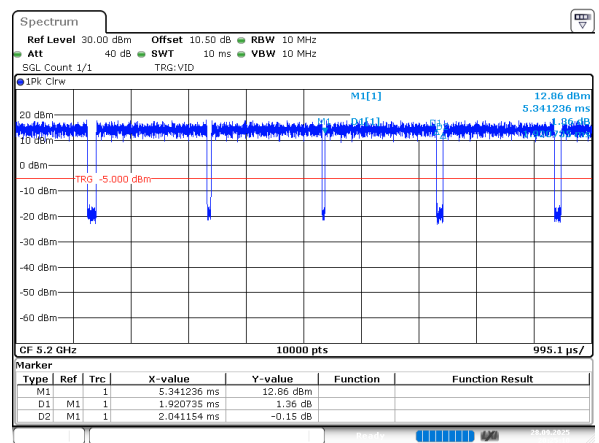
Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	2.051	2.144	95.66	0.19	488	1
802.11ac20	5200	1.921	2.041	94.12	0.26	521	1
802.11ac40	5190	0.949	1.078	88.03	0.55	1054	2

5150-5250MHz

802.11a_5200MHz



802.11ac20_5200MHz



802.11ac40_5190MHz

