

POWER SPECTRAL DENSITY**Environmental Conditions & Test Information**

Test Date:	2026-08-06 to 2026-08-07
Temperature:	25.8-26 °C
Relative Humidity:	48-50 %
ATM Pressure:	100.9-101.2 kPa
Test Result:	Pass
Test Engineer:	Hugh Wu

Test Mode: Transmitting

5150-5250MHz

Mode	Frequency (MHz)	PSD							Limit (dBm/MHz)	Verdict
		Chain 0			Chain 1			Total (dBm/MHz)		
		Reading (dBm/MHz)	Duty Cycle Factor (dB)	Result (dBm/MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Result (dBm/MHz)			
802.11a	5180	-3.19	0.37	-2.82	-3.79	0.34	-3.45	/	11	Pass
	5200	-2.08	0.37	-1.71	-2.86	0.34	-2.52	/	11	Pass
	5240	-1.48	0.37	-1.11	-1.96	0.34	-1.62	/	11	Pass
802.11ac20	5180	-3.15	0.27	-2.88	-3.41	0.45	-2.96	0.09	11	Pass
	5200	-2.69	0.27	-2.42	-2.86	0.45	-2.41	0.60	11	Pass
	5240	-1.47	0.27	-1.20	-2.20	0.45	-1.75	1.54	11	Pass
802.11ac40	5190	-7.39	0.75	-6.64	-8.39	0.78	-7.61	-4.09	11	Pass
	5230	-5.90	0.75	-5.15	-7.52	0.78	-6.74	-2.86	11	Pass
802.11ac80	5210	-10.61	0.49	-10.12	-11.54	0.41	-11.13	-7.59	11	Pass

Note:

1. Result=Reading+ Duty Cycle Factor

2. The maximum antenna gain is 0.02dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

Array Gain = $10 \cdot \log(N_{\text{ANT}}/N_{\text{SS}})$ dB.

So: Directional gain = $G_{\text{ANT}} + \text{Array Gain} = 0.02 + 10 \cdot \log(2/1) = 3.03\text{dBi} < 6\text{dBi}$, no RF outpower limit was reduced.

5725-5850MHz

Mode	Frequency (MHz)	PSD							Limit (dBm/500 kHz)	Verdict
		Chain 0			Chain 1			Total (dBm/500kHz z)		
		Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Result (dBm/500kHz)	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Result (dBm/500kHz)			
802.11a	5745	-2.16	0.36	-1.80	-2.84	0.27	-2.57	/	30	Pass
	5785	-2.05	0.36	-1.69	-3.15	0.27	-2.88	/	30	Pass
	5825	-2.37	0.36	-2.01	-4.09	0.27	-3.82	/	30	Pass
802.11ac20	5745	-2.34	0.38	-1.96	-3.61	0.41	-3.20	0.47	30	Pass
	5785	-3.00	0.38	-2.62	-4.17	0.41	-3.76	-0.14	30	Pass
	5824	-2.90	0.38	-2.52	-4.09	0.41	-3.68	-0.05	30	Pass
802.11ac40	5755	-7.51	0.65	-6.86	-7.84	0.85	-6.99	-3.91	30	Pass
	5795	-7.23	0.65	-6.58	-8.71	0.85	-7.86	-4.16	30	Pass
802.11ac80	5775	-12.66	0.36	-12.30	-12.08	0.40	-11.68	-8.97	30	Pass

Note:

1. Result=Reading+ Duty Cycle Factor

2. The maximum antenna gain is -1.6dBi. The device employed Cyclic Delay Diversity (CDD) for 802.11MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power spectral density (PSD) measurements on the devices:

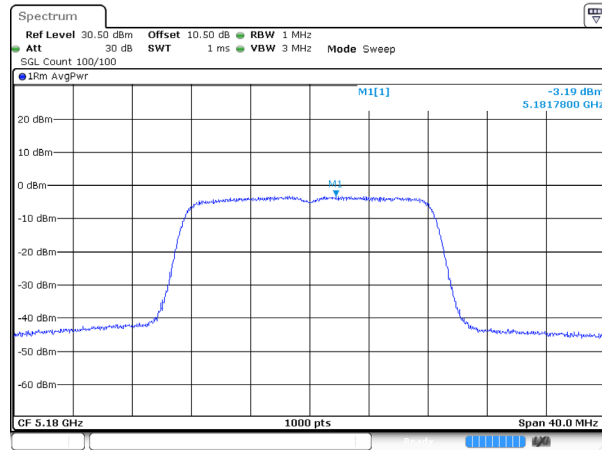
Array Gain = $10 \cdot \log(N_{\text{ANT}}/N_{\text{SS}})$ dB.

So: Directional gain = $G_{\text{ANT}} + \text{Array Gain} = -1.6 + 10 \cdot \log(2/1) = 1.41\text{dBi} < 6\text{dBi}$, no RF outpower limit was reduced.

Chain 0

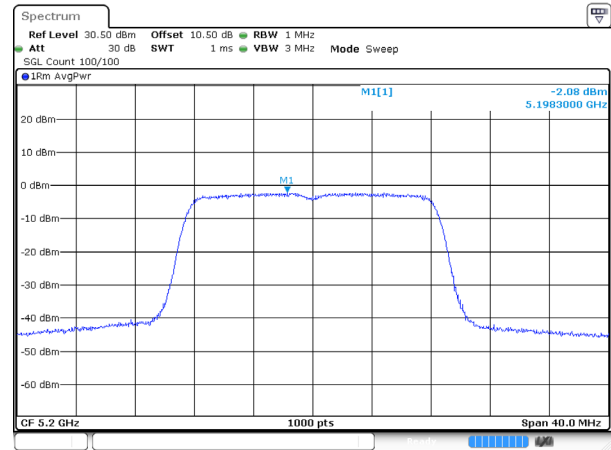
5150-5250MHz Band:

802.11a_5180MHz



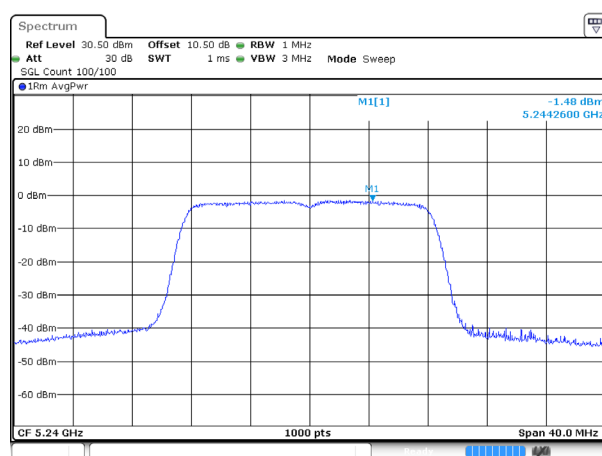
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802.11a_5200MHz



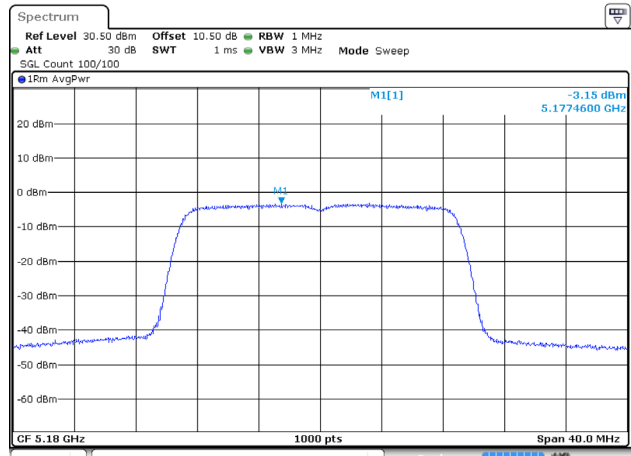
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802.11a_5240MHz



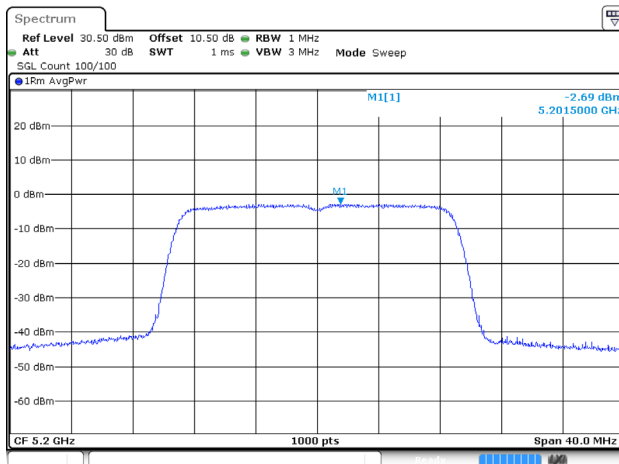
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802.11ac20_5180MHz



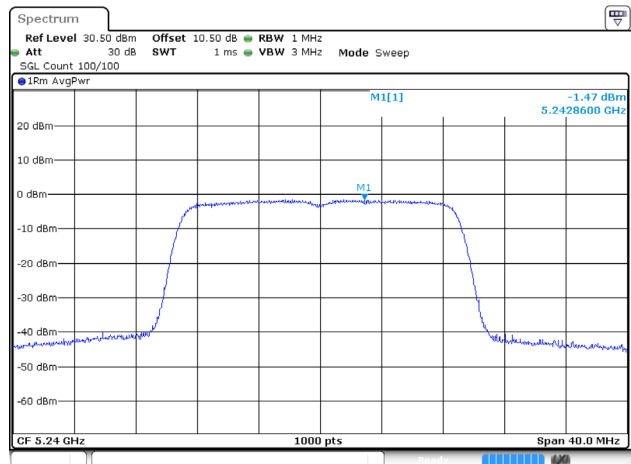
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802.11ac20_5200MHz



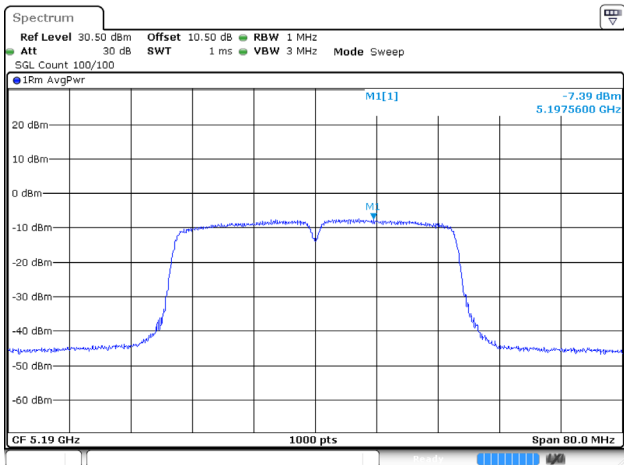
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802.11ac20_5240MHz



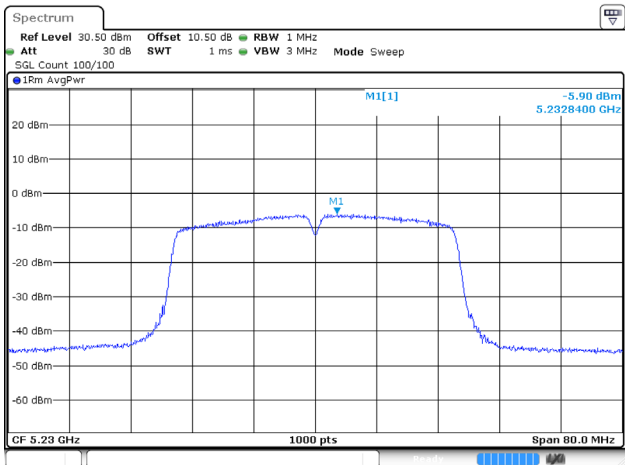
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802.11ac40_5190MHz



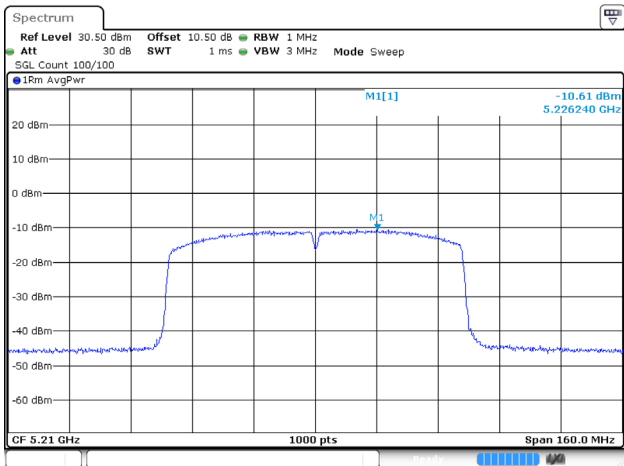
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802.11ac40_5230MHz



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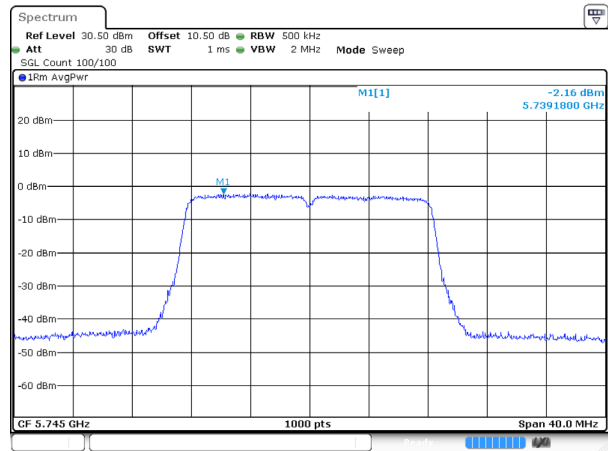
802.11ac80_5210MHz



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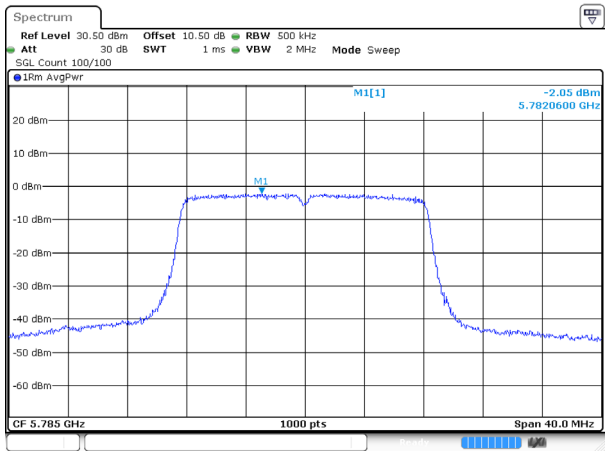
5725-5850MHz Band:

802.11a_5745MHz



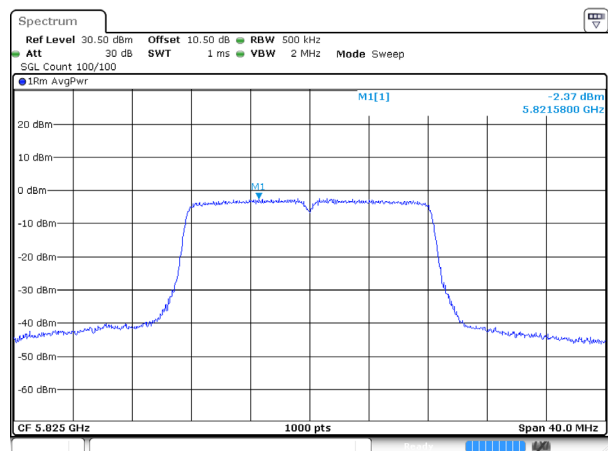
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802.11a_5785MHz



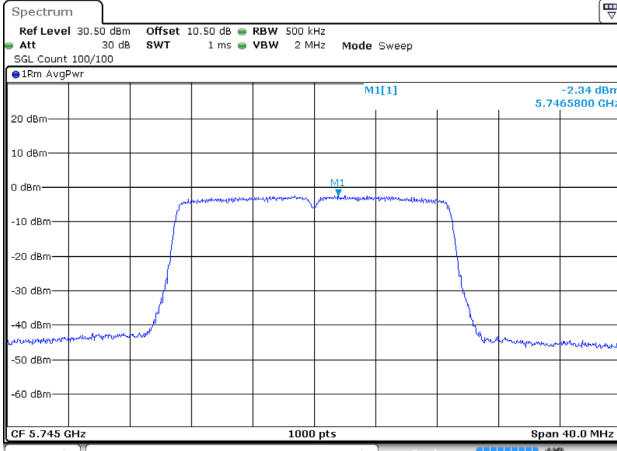
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802.11a_5825MHz



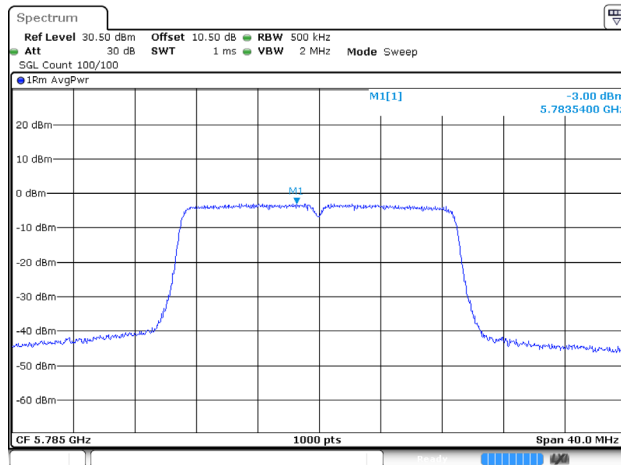
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802.11ac20_5745MHz



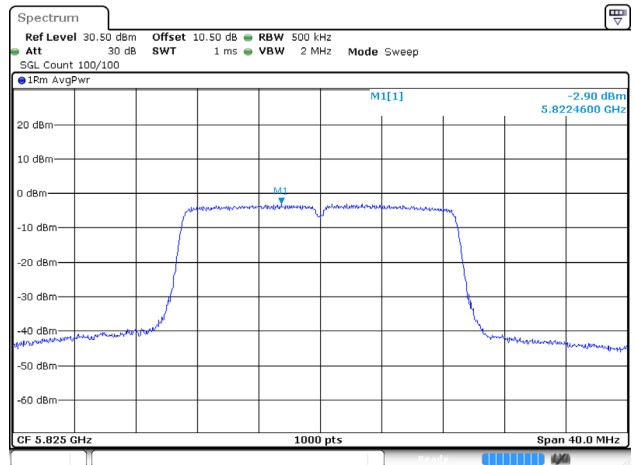
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802.11ac20_5785MHz



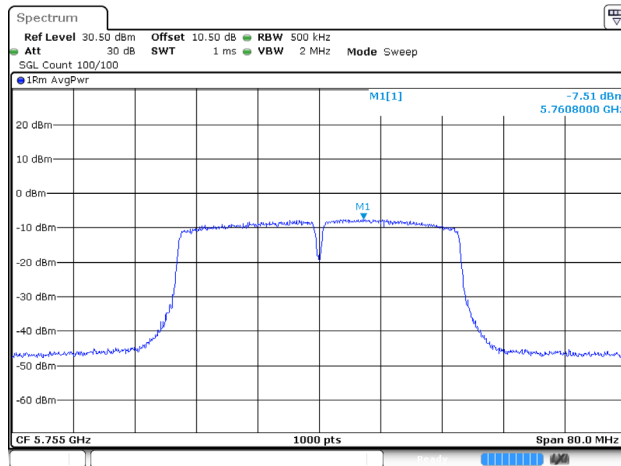
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802.11ac20_5825MHz



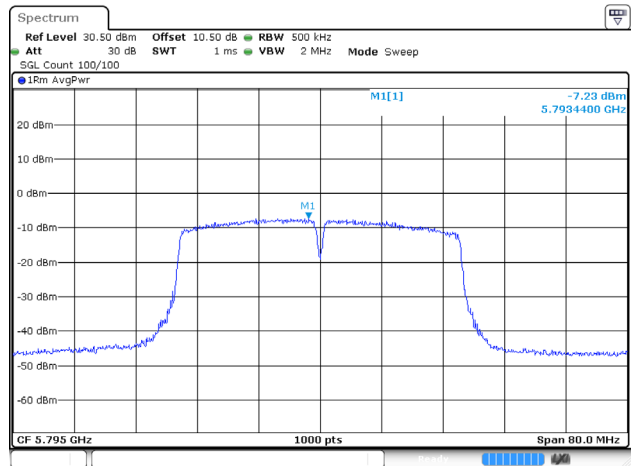
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802.11ac40_5755MHz



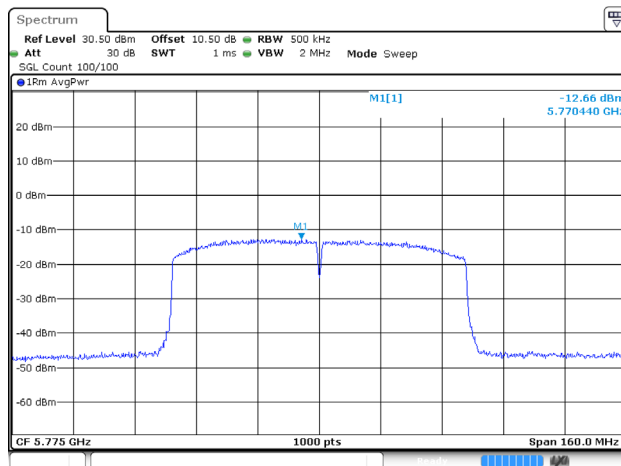
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802.11ac40_5795MHz



ProjectNo.: RKSA260709001 Tester: Hugh Wu
Date: 6 AUG. 2026 20:31:39

802.11ac80_5775MHz

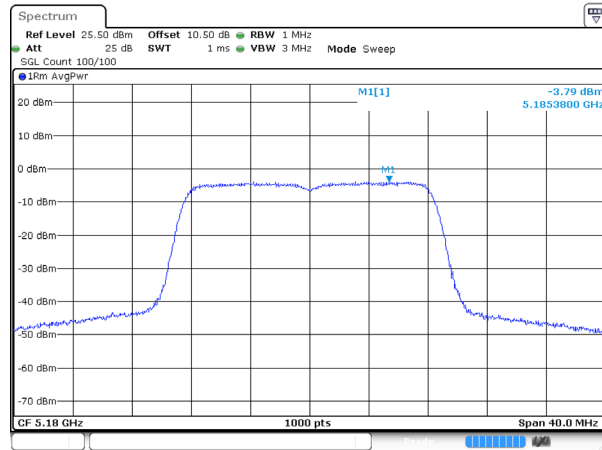


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Date: 7 AUG. 2026 11:08:43

Chain 1

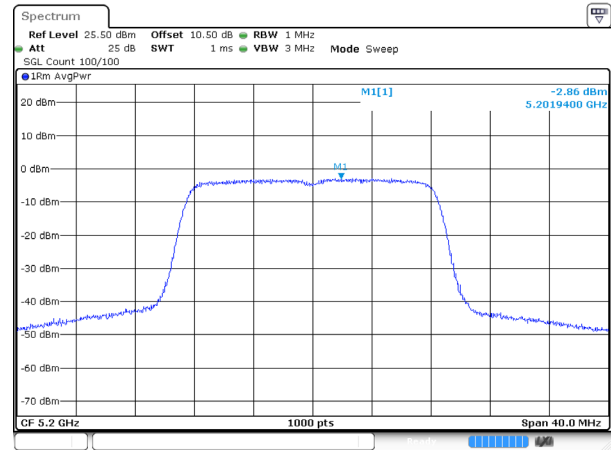
5150-5250MHz Band:

802.11a_5180MHz



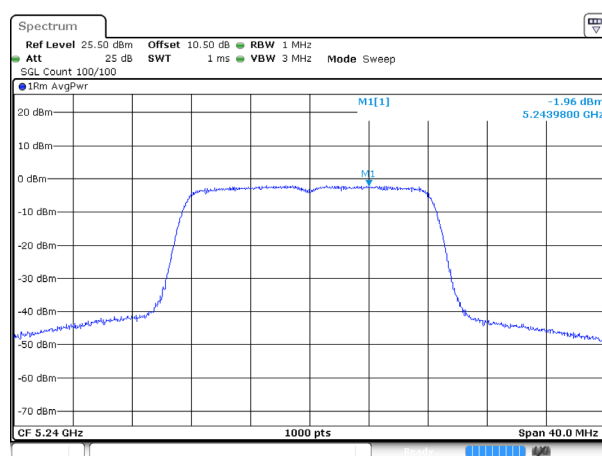
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802.11a_5200MHz



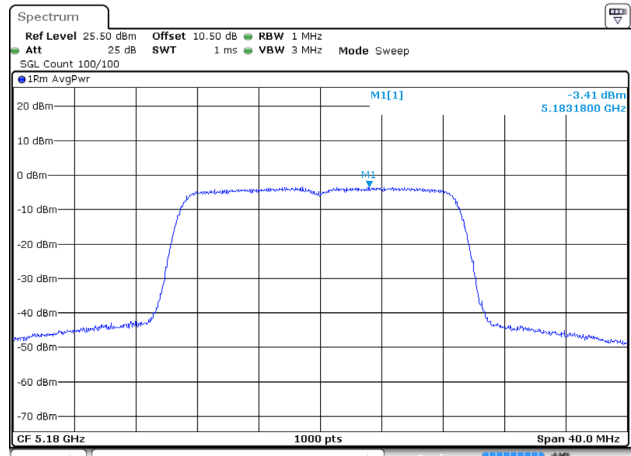
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802.11a_5240MHz



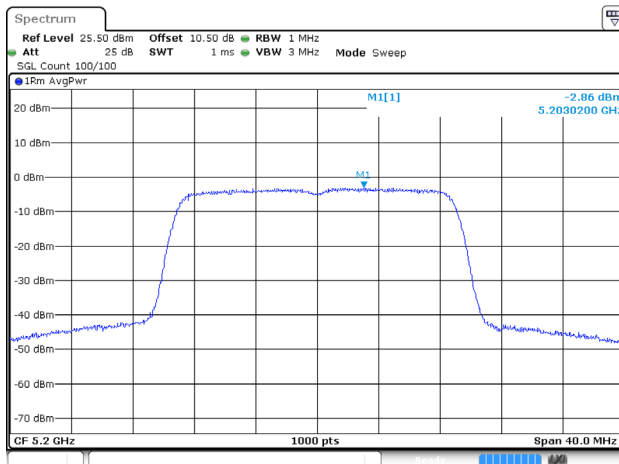
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802.11ac20_5180MHz



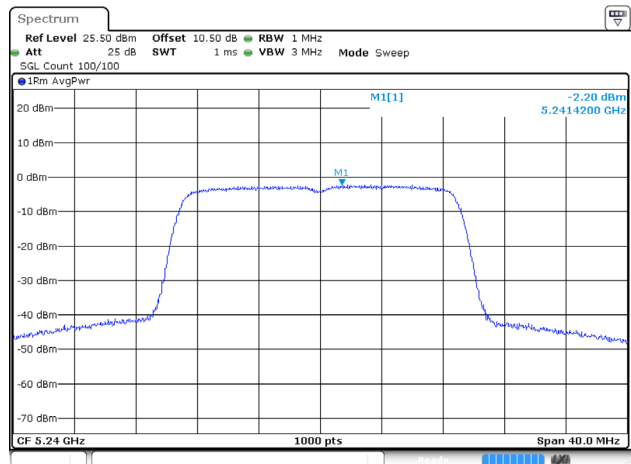
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802.11ac20_5200MHz



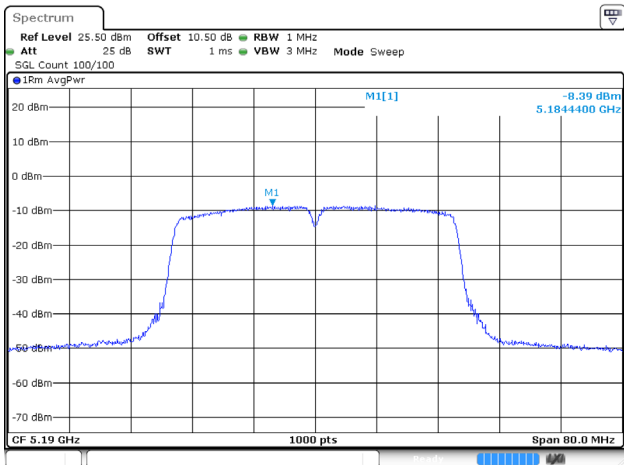
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802.11ac20_5240MHz



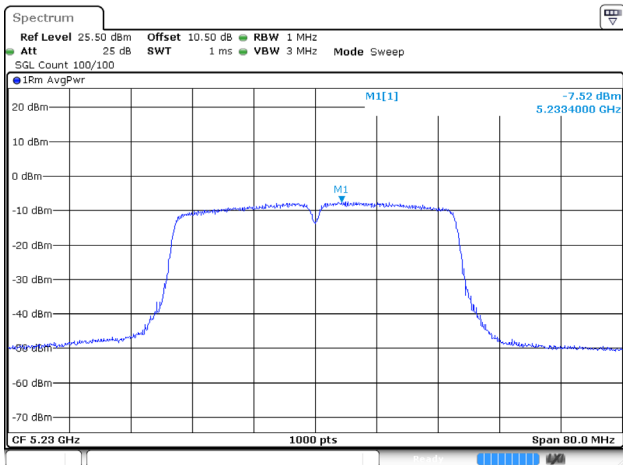
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802.11ac40_5190MHz



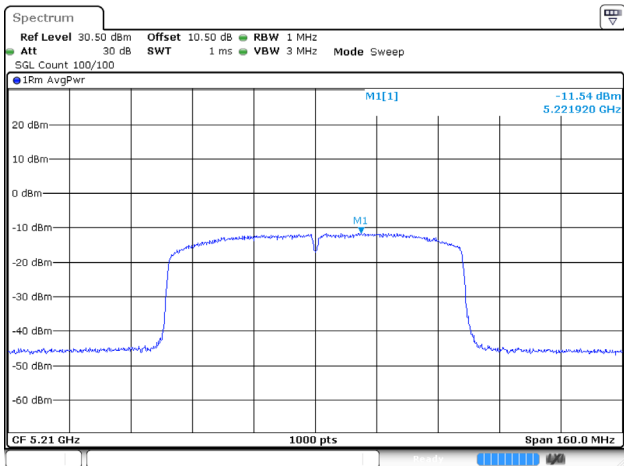
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802.11ac40_5230MHz



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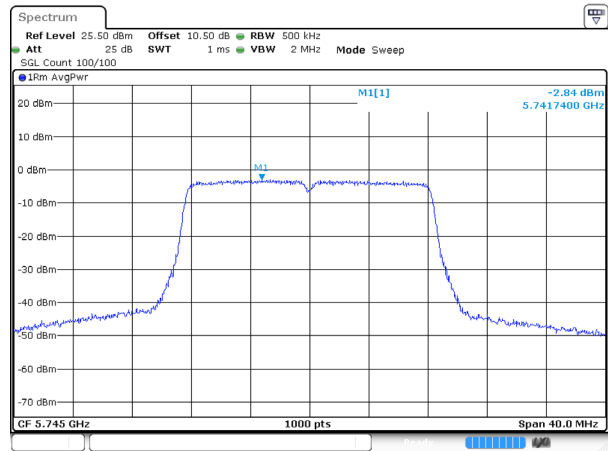
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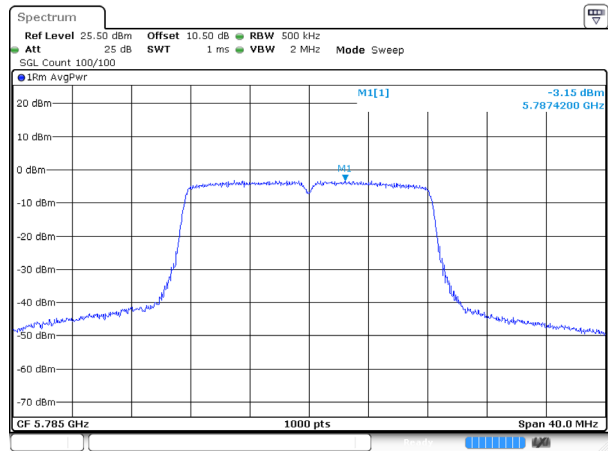
5725-5850MHz Band:

802.11a_5745MHz



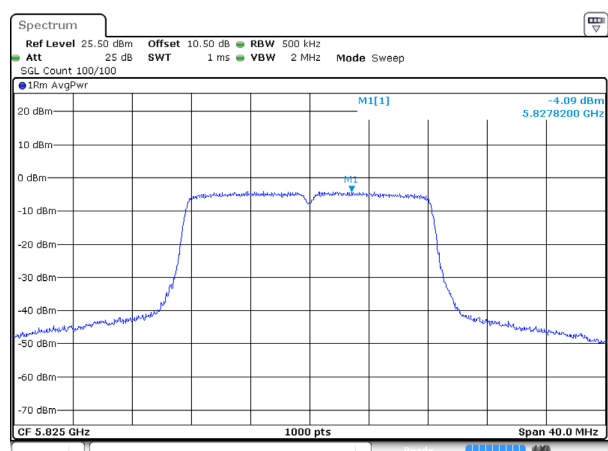
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802.11a_5785MHz



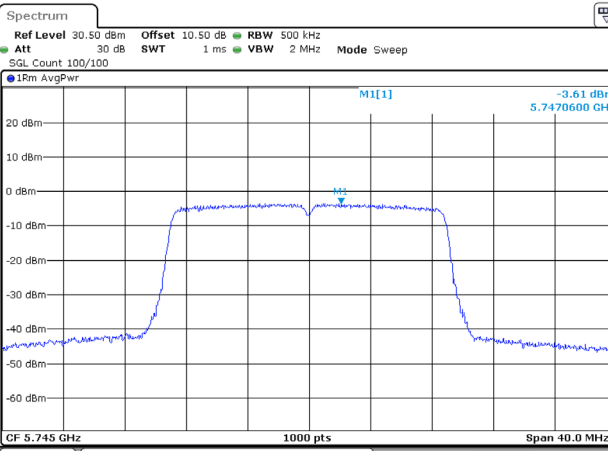
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802.11a_5825MHz



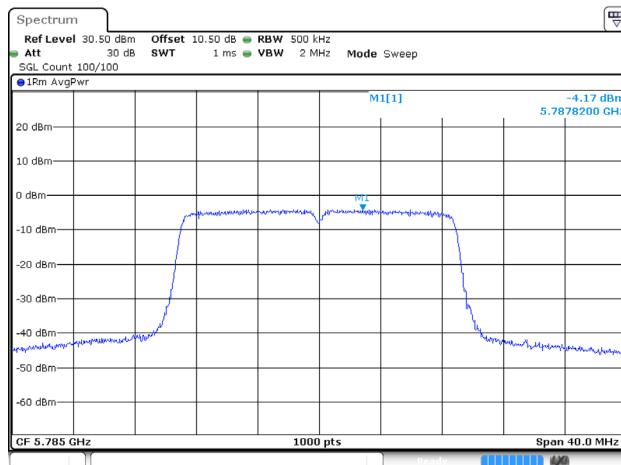
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802.11ac20_5745MHz



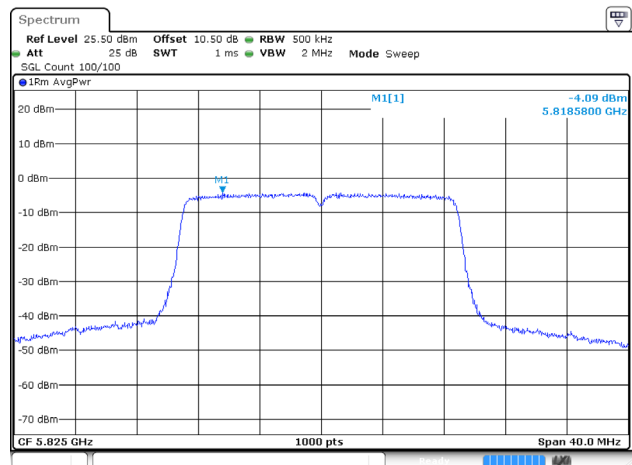
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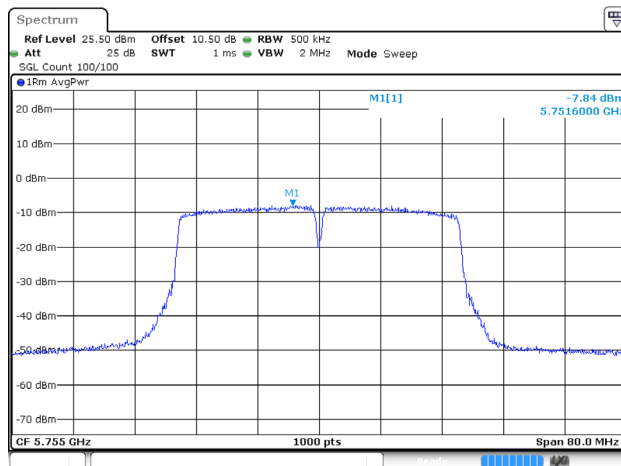
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802.11ac20_5825MHz



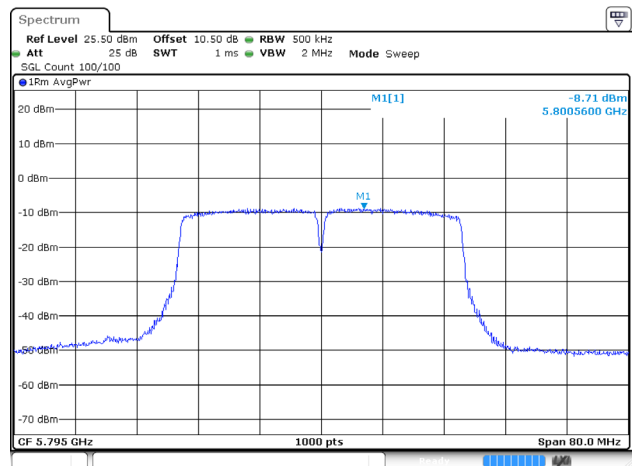
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802.11ac40_5755MHz



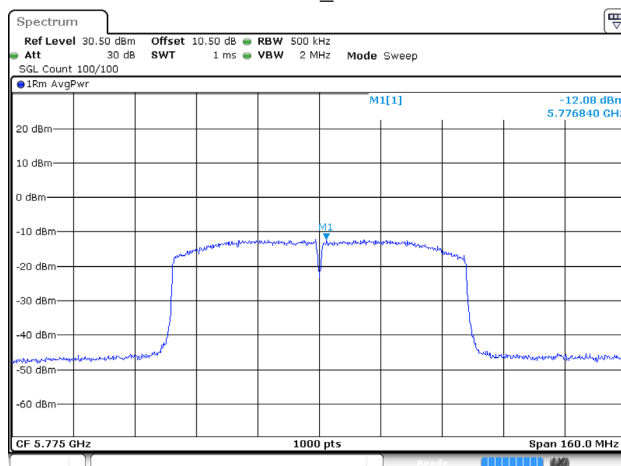
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802.11ac40_5795MHz



ProjectNo.: RKSA260709001 Tester: Hugh Wu
Date: 7.AUG.2026 12:18:36

802.11ac80_5775MHz



ProjectNo.: RKSA260709001 Tester: Hugh Wu
Date: 7.AUG.2026 11:15:25

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT D - TEST SETUP PHOTOGRAPHS.

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

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