

Appendix L-5G Power Spectral Density

Test Information:

Sample No.:	2UIA-7	Test Date:	2025/01/03~2025/02/06
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C):	45~53	Relative Humidity: (%)	22.3~25	ATM Pressure: (kPa)	101.0~101.1
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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	4.62	/	4.62	11	Pass
	5200	3.73	/	3.73	11	Pass
	5240	3.56	/	3.56	11	Pass
802.11ac20	5180	3.66	/	3.66	11	Pass
	5200	3.97	/	3.97	11	Pass
	5240	3.28	/	3.28	11	Pass
802.11ac40	5190	-6.28	/	-6.28	11	Pass
	5230	-6.56	/	-6.56	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	2.78	/	2.78	11	Pass
	5280	2.56	/	2.56	11	Pass
	5320	2.83	/	2.83	11	Pass
802.11ac20	5260	2.91	/	2.91	11	Pass
	5280	2.71	/	2.71	11	Pass
	5320	2.11	/	2.11	11	Pass
802.11ac40	5270	-6.07	/	-6.07	11	Pass
	5310	-6.02	/	-6.02	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	2.11	/	2.11	11	Pass
	5580	1.80	/	1.80	11	Pass
	5700	1.97	/	1.97	11	Pass
	5720	1.92	/	1.92	11	Pass
802.11ac20	5500	1.61	/	1.61	11	Pass
	5580	1.69	/	1.69	11	Pass
	5700	1.75	/	1.75	11	Pass
	5720	1.81	/	1.81	11	Pass
802.11ac40	5510	-6.21	/	-6.21	11	Pass
	5550	-6.11	/	-6.11	11	Pass
	5670	-6.71	/	-6.71	11	Pass
	5710	-5.94	/	-5.94	11	Pass

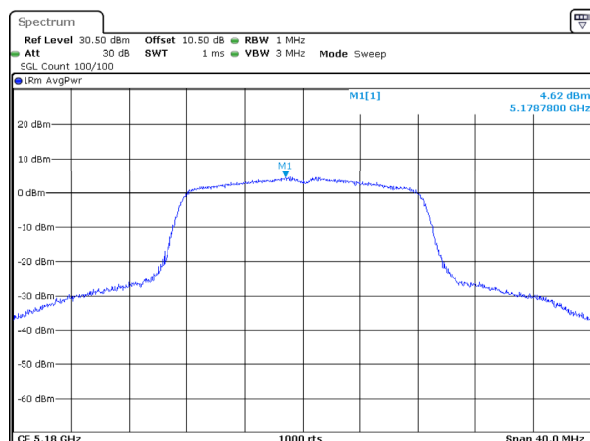
5725-5850MHz

Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	0.92	/	0.92	30	Pass
	5785	1.01	/	1.01	30	Pass
	5825	0.75	/	0.75	30	Pass
802.11ac20	5745	0.72	/	0.72	30	Pass
	5785	0.26	/	0.26	30	Pass
	5825	1.10	/	1.10	30	Pass
802.11ac40	5755	-2.64	/	-2.64	30	Pass
	5795	-2.86	/	-2.86	30	Pass

Result = Reading + Duty Cycle Factor

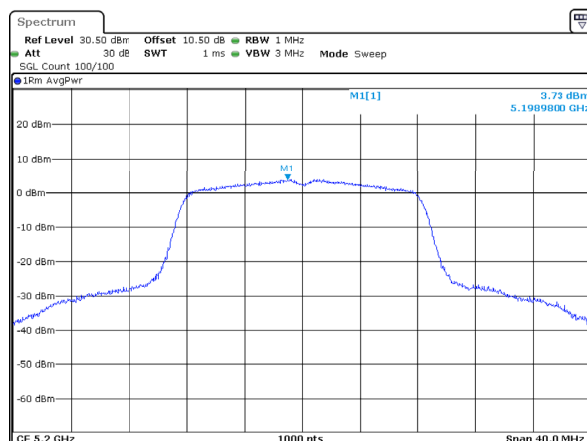
5150-5250MHz

802.11a_5180MHz



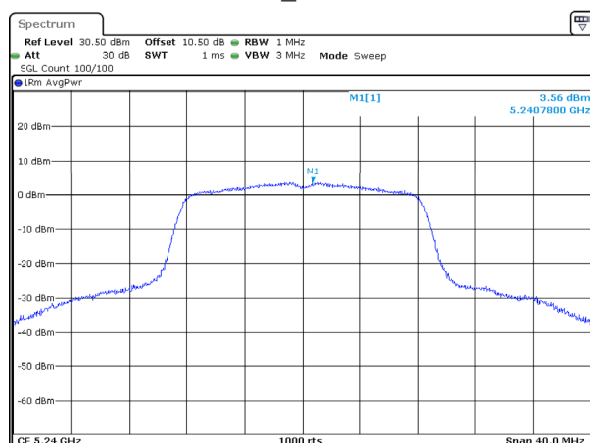
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802.11a_5200MHz



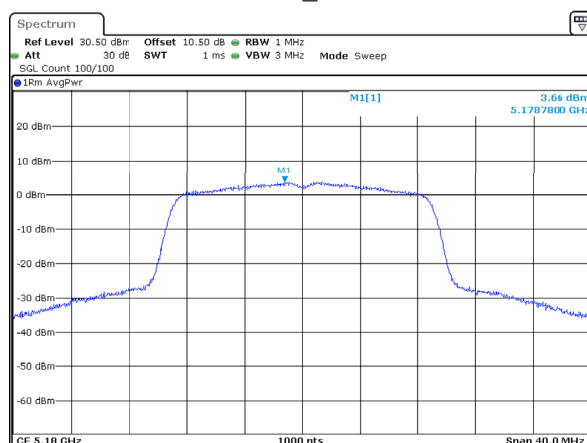
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802.11a_5240MHz



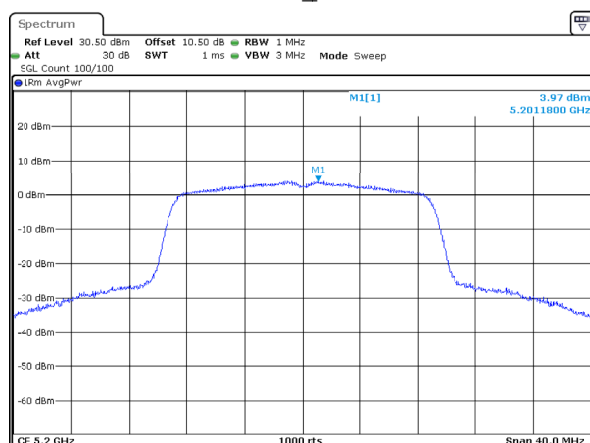
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802.11ac20_5180MHz



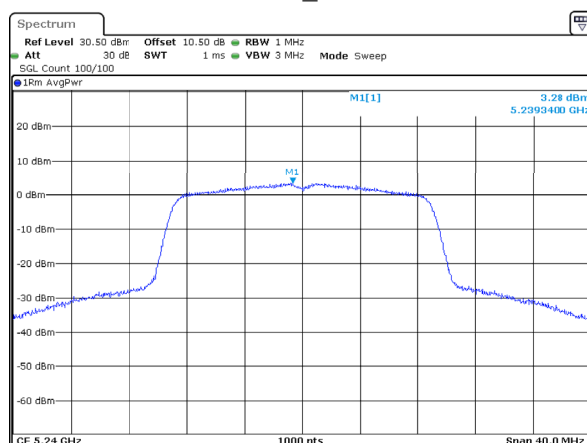
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802.11ac20_5200MHz



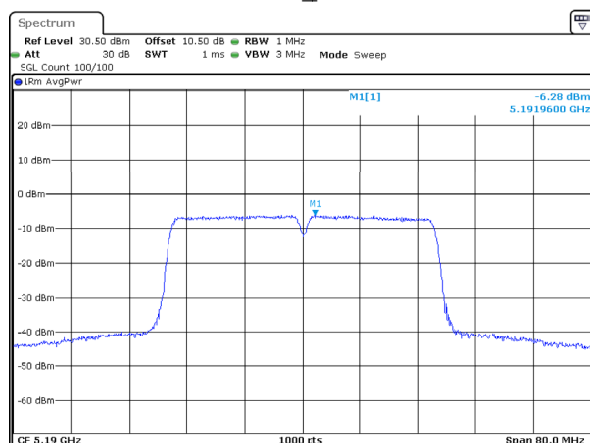
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802.11ac20_5240MHz



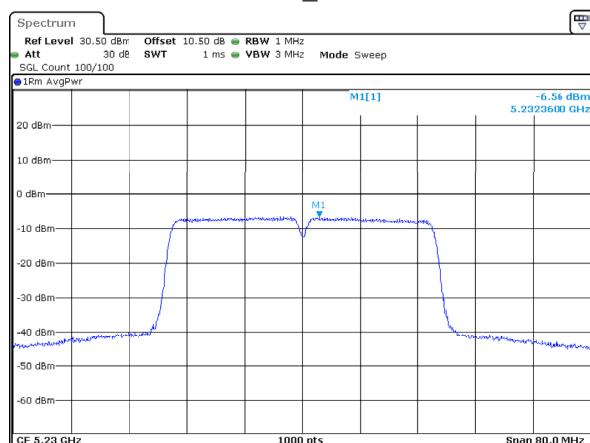
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802.11ac40_5190MHz



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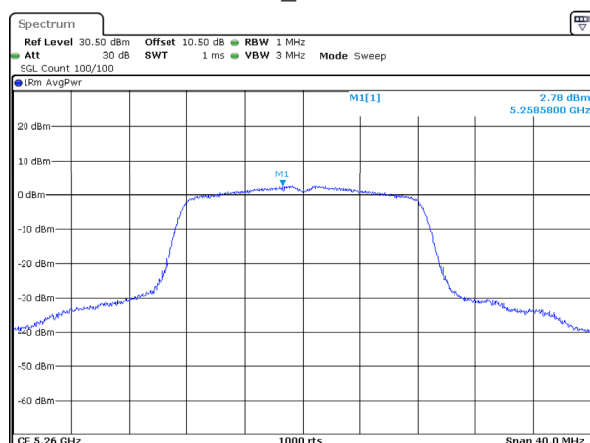
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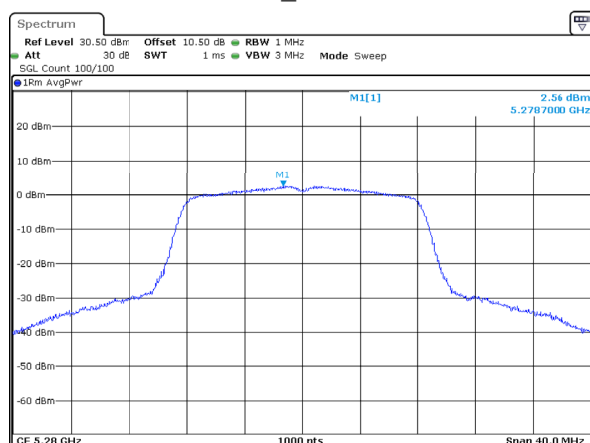
5250-5350MHz

802.11a_5260MHz



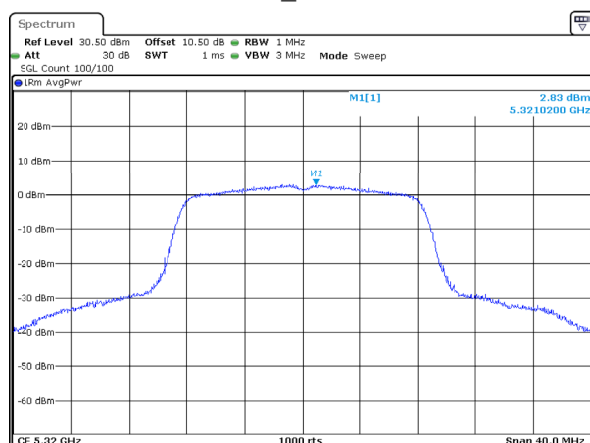
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802.11a_5280MHz



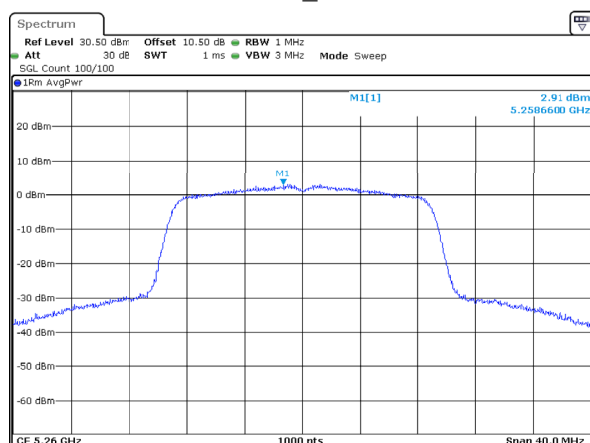
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802.11a_5320MHz



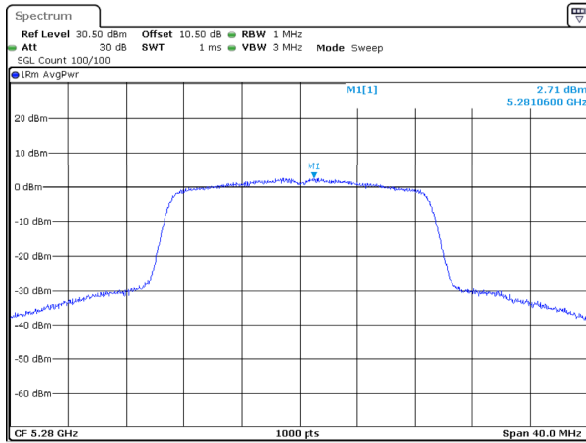
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802.11ac20_5260MHz



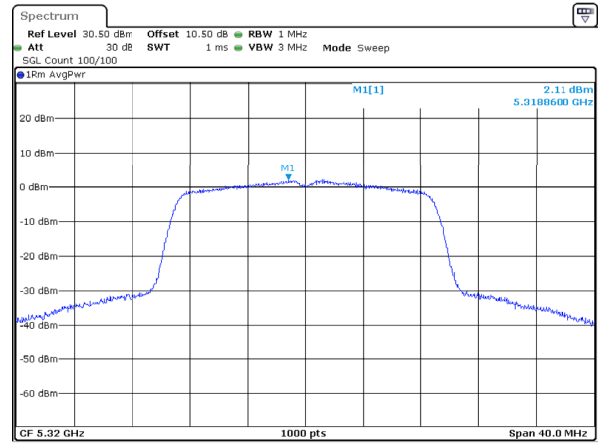
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802.11ac20_5280MHz



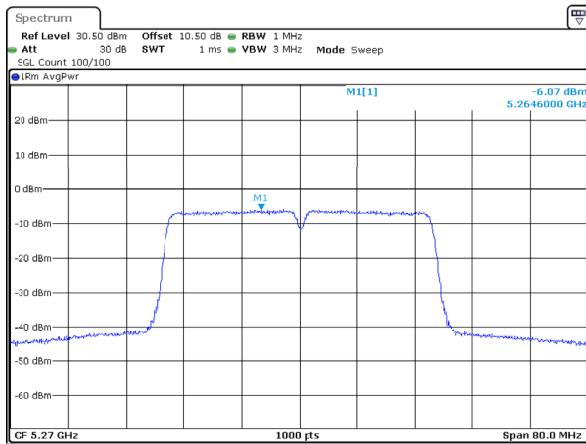
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802.11ac20_5320MHz



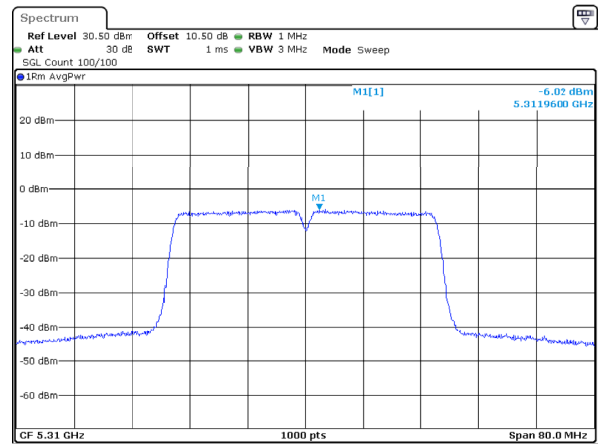
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802.11ac40_5270MHz



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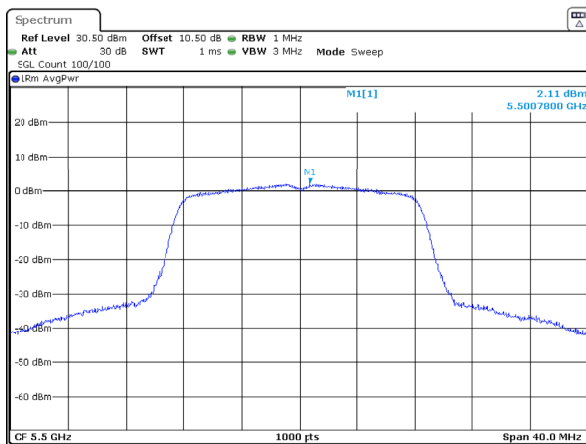
802.11ac40_5310MHz



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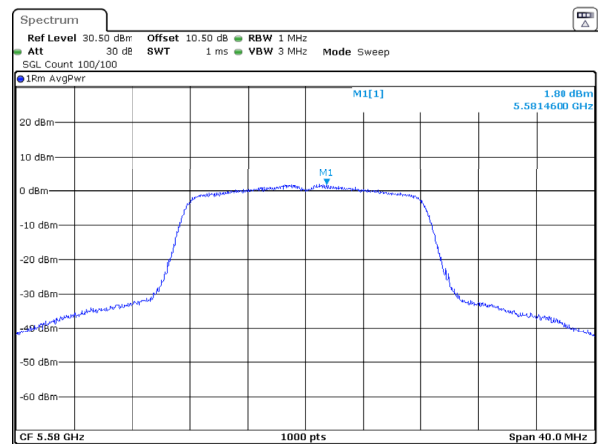
5470-5725MHz

802.11a_5500MHz



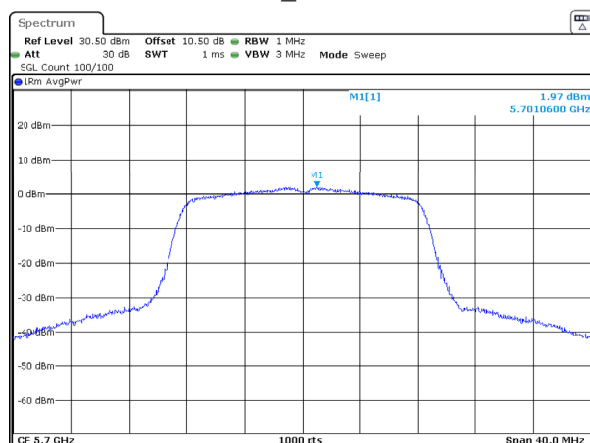
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802.11a_5580MHz



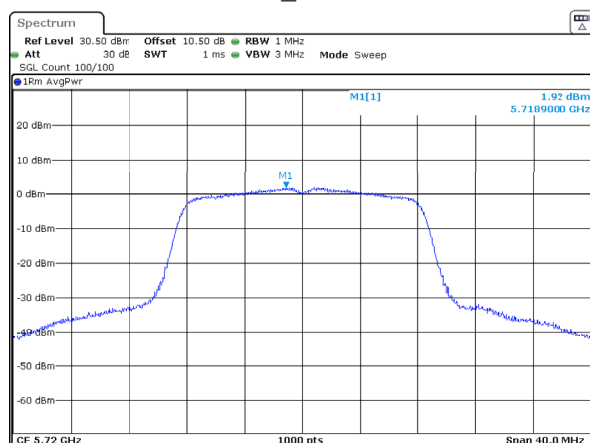
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802.11a_5700MHz



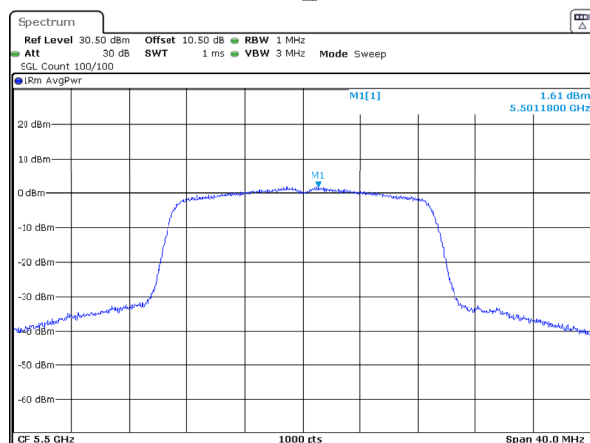
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802.11a_5720MHz



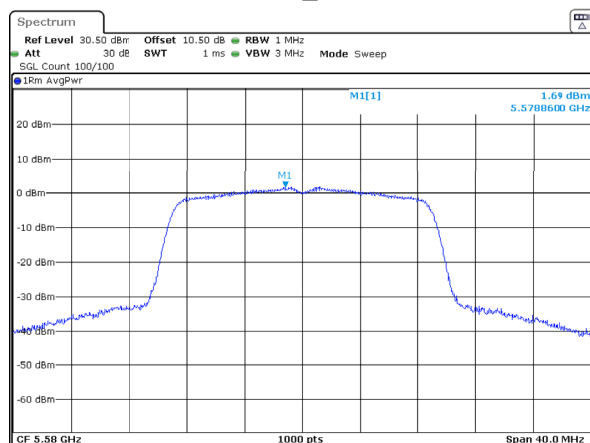
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802.11ac20_5500MHz



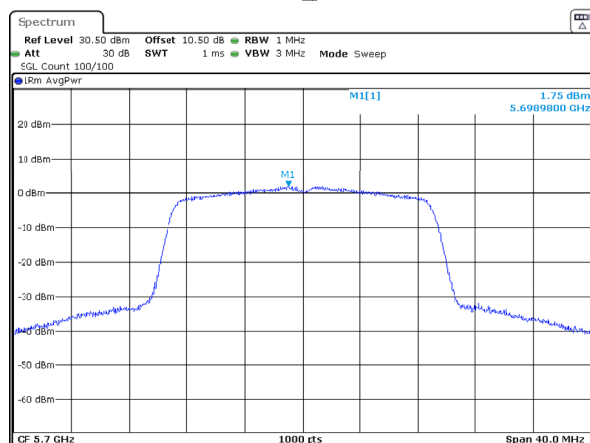
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802.11ac20_5580MHz



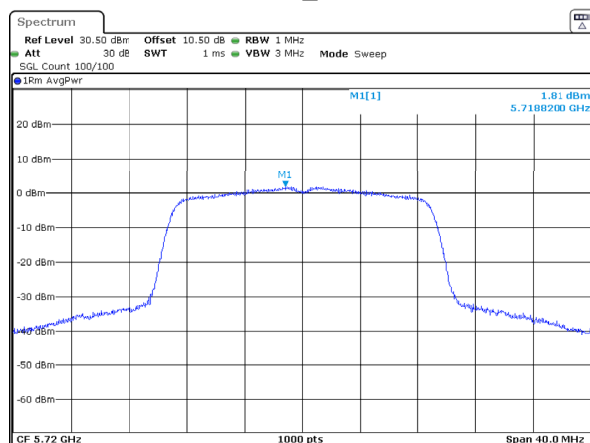
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802.11ac20_5700MHz



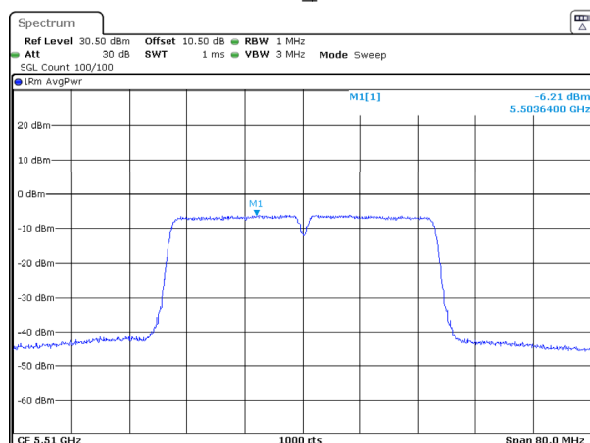
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802.11ac20_5720MHz

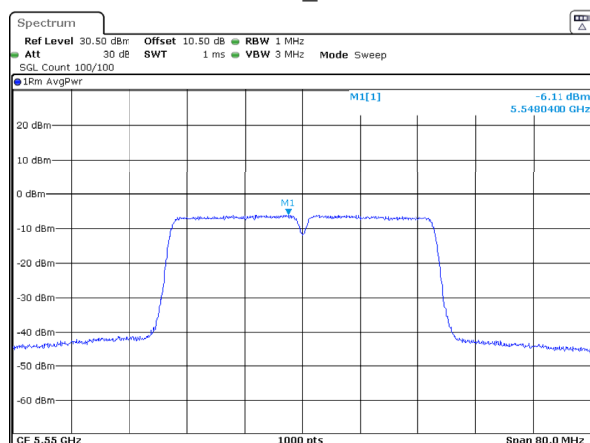


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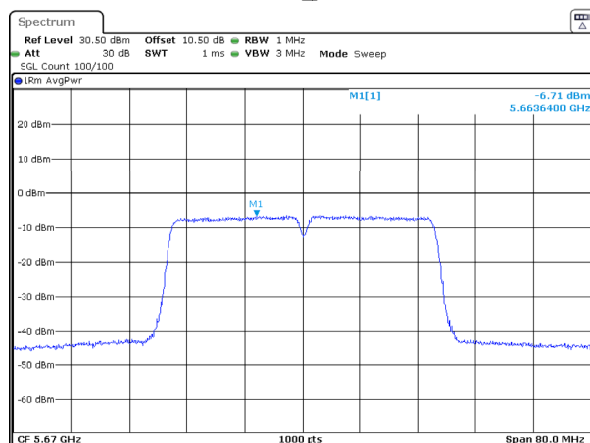
802.11ac40_5510MHz



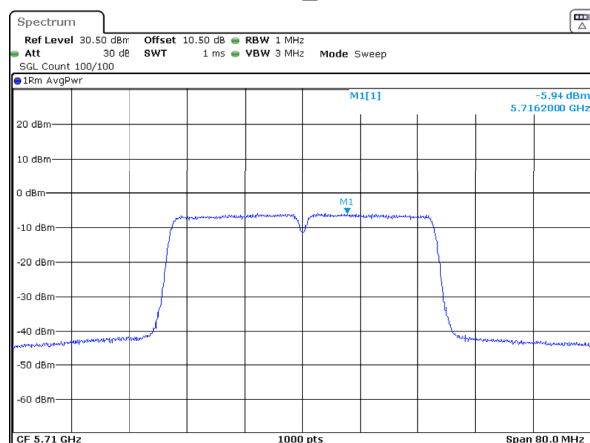
802.11ac40_5550MHz



802.11ac40_5670MHz

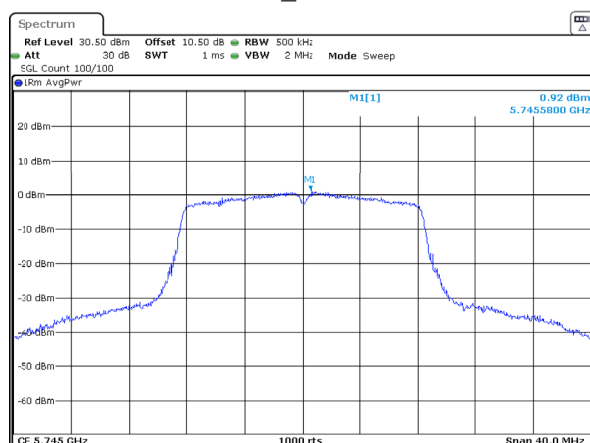


802.11ac40_5710MHz

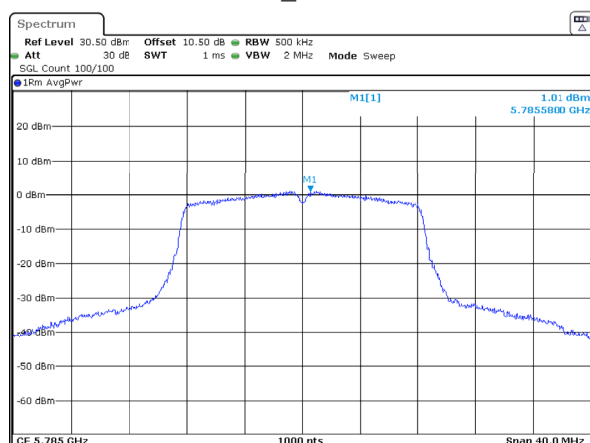


5725-5850MHz

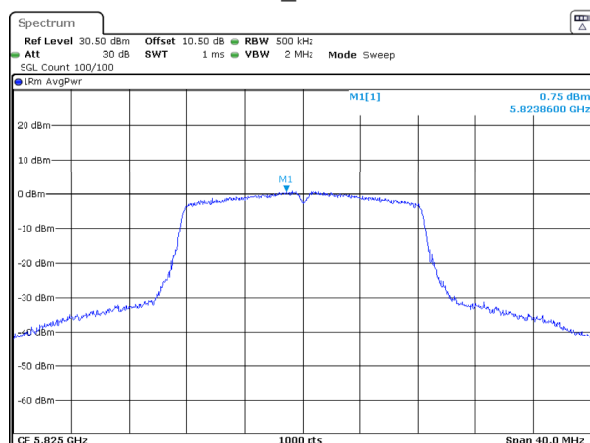
802.11a_5745MHz



802.11a_5785MHz

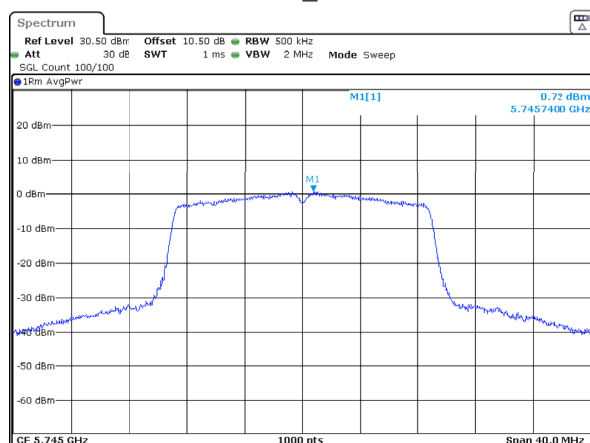


802.11a_5825MHz



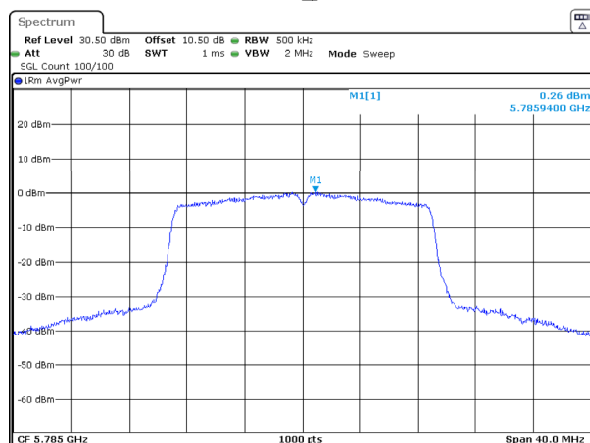
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802.11ac20_5745MHz



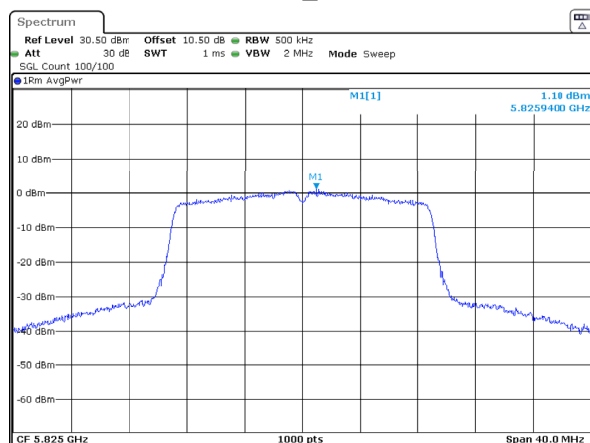
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802.11ac20_5785MHz



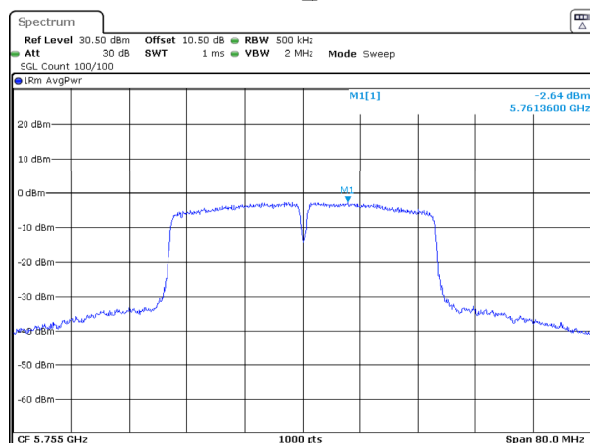
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802.11ac20_5825MHz



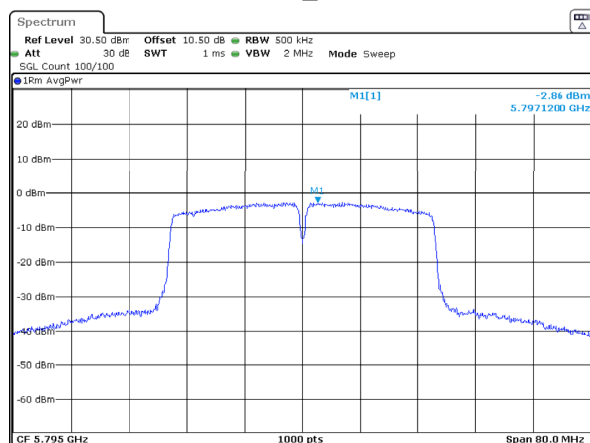
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802.11ac40_5755MHz



ProjectNo.:2401Z104941E-RF Tester:Rainbow Zhu
Date: 4.JAN.2025 10:38:11

802.11ac40_5795MHz



ProjectNo.:2401Z104941E-RF Tester:Rainbow Zhu
Date: 4.JAN.2025 10:39:37