

Appendix A

Test Information:

Sample No.:	2WE3-2	Test Date:	2025/01/06~2025/03/27
Test Site:	RF	Test Mode:	Transmitting
Tester:	Rainbow Zhu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.6~25.6	Relative Humidity: (%)	45~46	ATM Pressure: (kPa)	101.2~101.6
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Emission Bandwidth

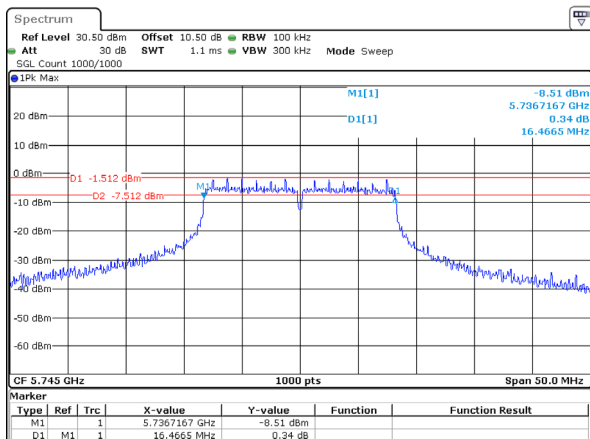
6dB Emission Bandwidth

5725-5850MHz

Mode	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	5745	16.466	0.5	Pass
	5785	16.466	0.5	Pass
	5825	16.517	0.5	Pass
802.11ac20	5745	17.718	0.5	Pass
	5785	17.718	0.5	Pass
	5825	17.668	0.5	Pass
802.11ac40	5755	36.537	0.5	Pass
	5795	36.537	0.5	Pass
802.11ax20_RU_Full	5745	19.069	0.5	Pass
	5785	19.119	0.5	Pass
	5825	19.069	0.5	Pass
802.11ax40_RU_Full	5755	38.238	0.5	Pass
	5795	38.138	0.5	Pass

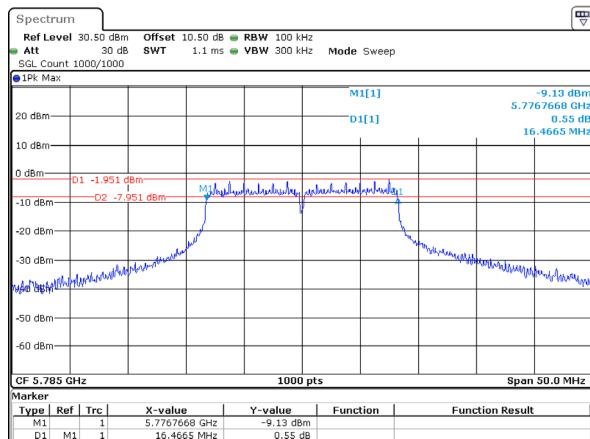
5725-5850MHz

802.11a_5745MHz



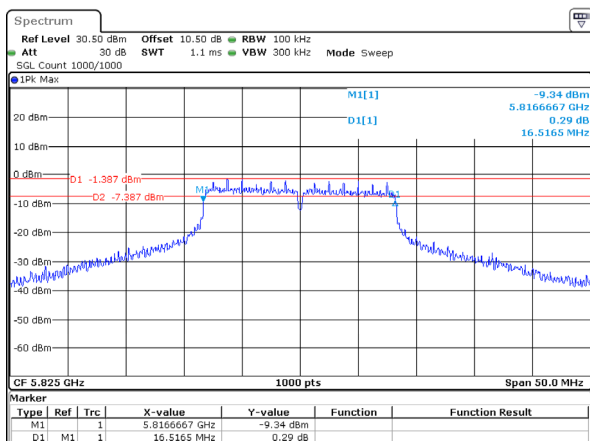
ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:06:16

802.11a_5785MHz



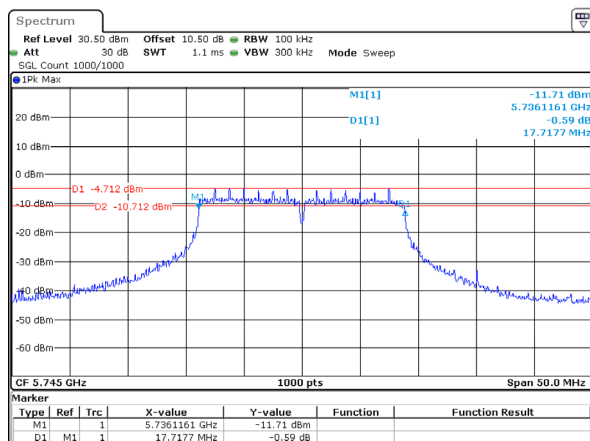
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Date: 6.JAN.2025 16:09:11

802.11a_5825MHz



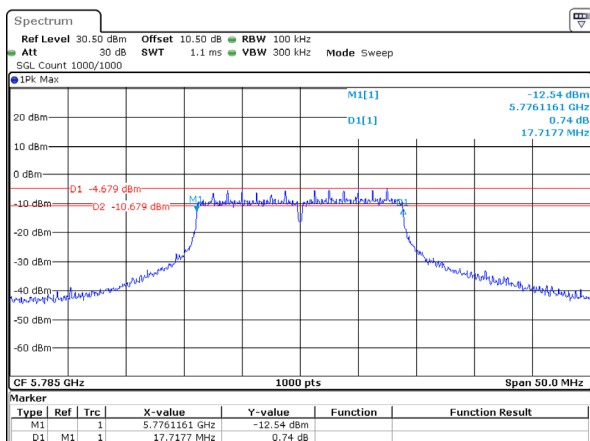
ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:11:58

802.11ac20_5745MHz



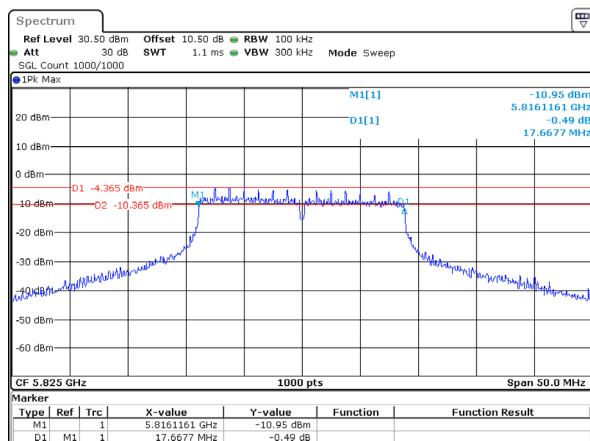
ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:26:57

802.11ac20_5785MHz



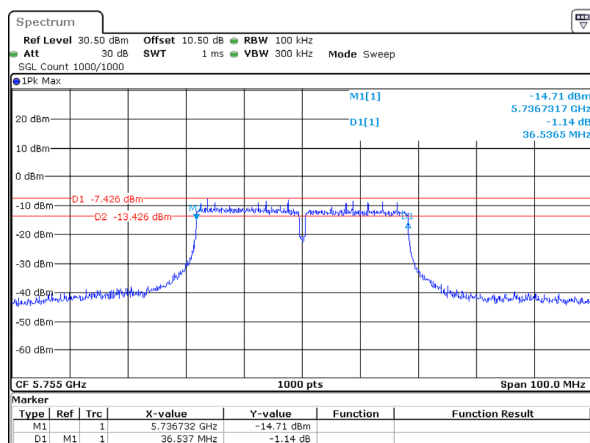
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802.11ac20_5825MHz



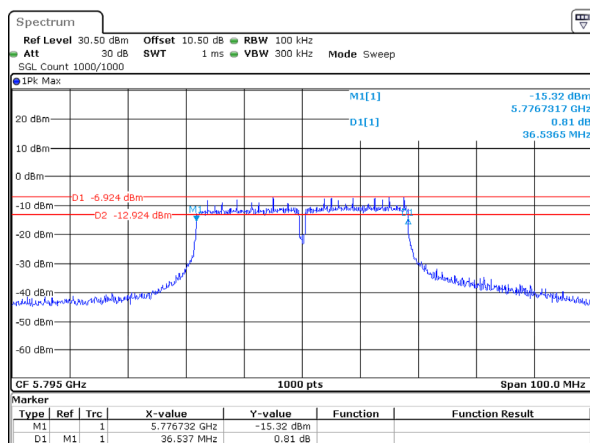
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Date: 6.JAN.2025 16:32:14

802.11ac40_5755MHz



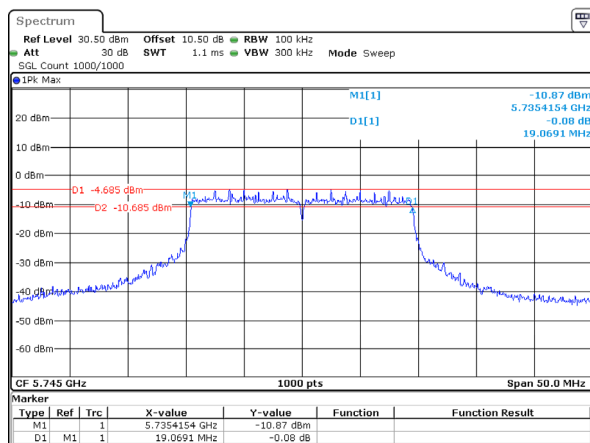
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802.11ac40_5795MHz



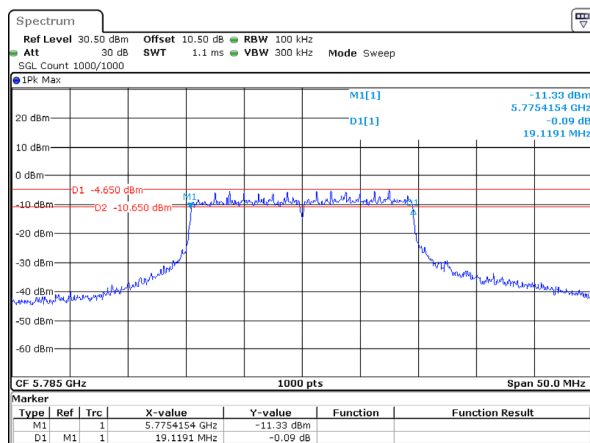
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Date: 6.JAN.2025 16:37:10

802.11ax20_5745MHz_RU_Full



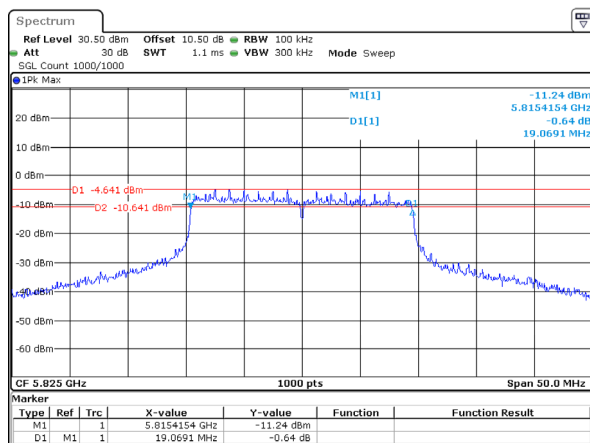
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802.11ax20_5785MHz_RU_Full



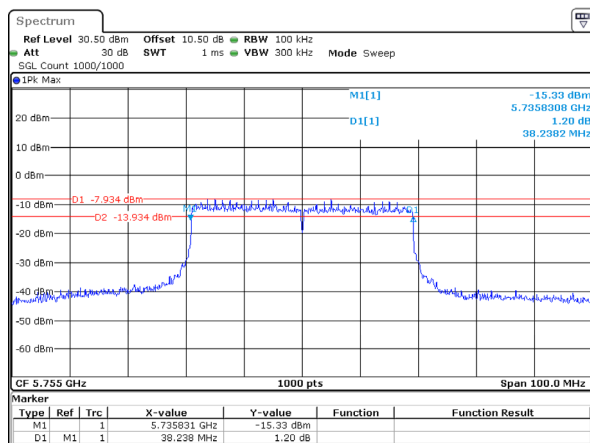
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802.11ax20_5825MHz_RU_Full



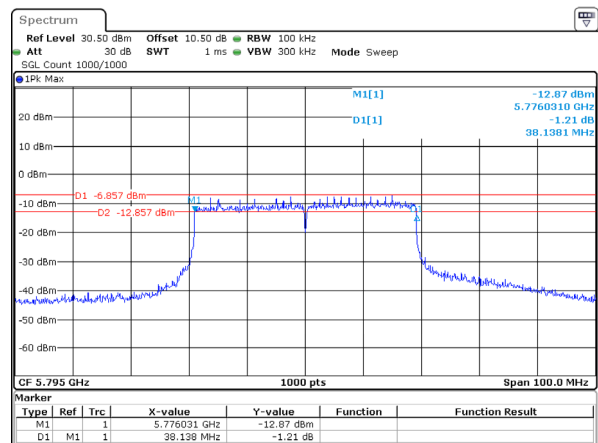
ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
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802.11ax40_5755MHz_RU_Full



ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:46:56

802.11ax40_5795MHz_RU_Full



ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:48:15

99% Occupied Bandwidth

5725-5850MHz

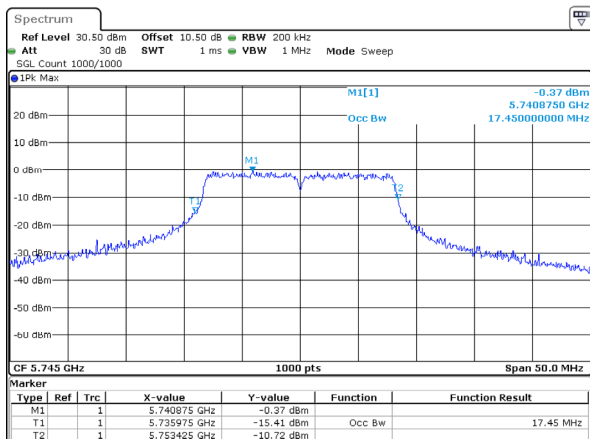
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5745	17.450
	5785	17.700
	5825	19.050
802.11ac20	5745	18.250
	5785	18.350
	5825	18.700
802.11ac40	5755	37.500
	5795	37.400
802.11ax20_RU_Full	5745	19.300
	5785	19.400
	5825	19.450
802.11ax40_RU_Full	5755	38.200
	5795	38.300

Note:

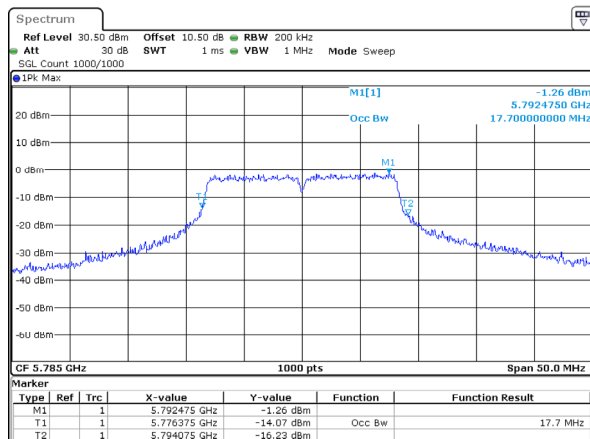
The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

5725-5850MHz

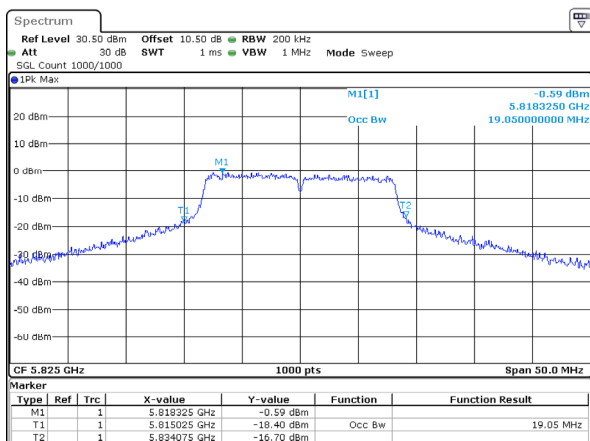
802.11a_5745MHz



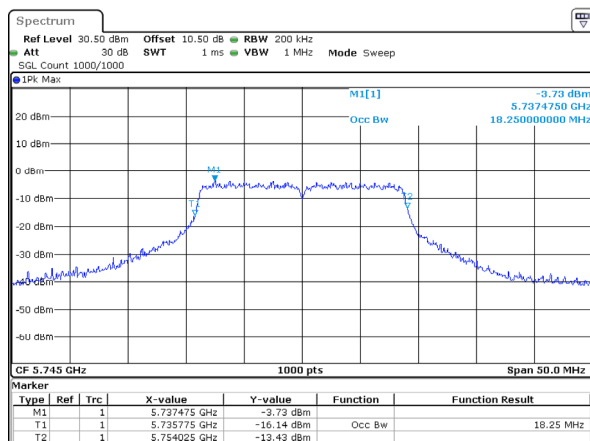
802.11a_5785MHz



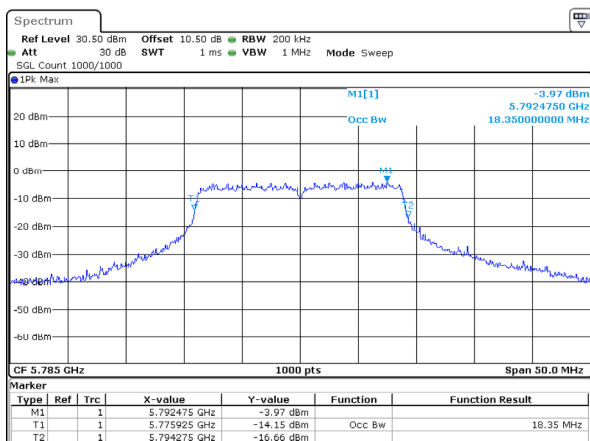
802.11a_5825MHz



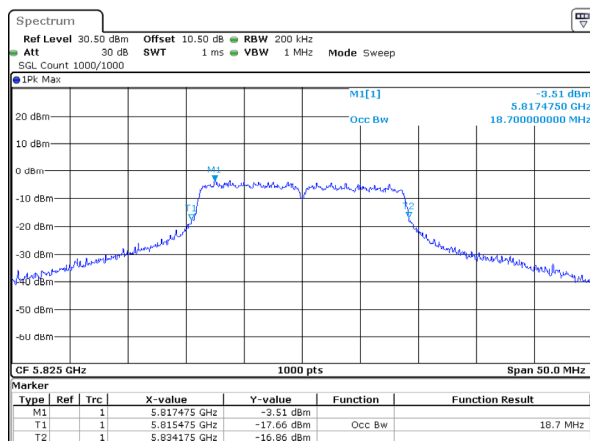
802.11ac20_5745MHz



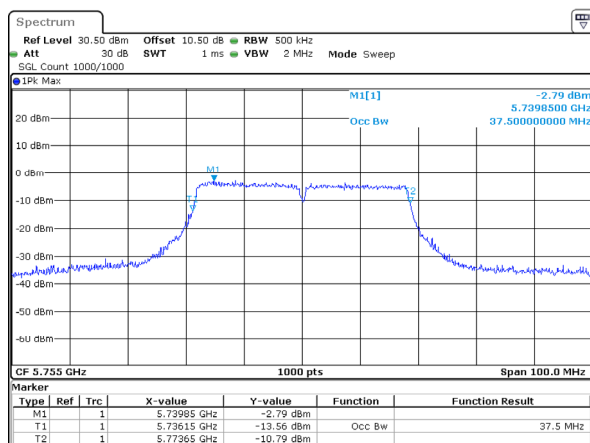
802.11ac20_5785MHz



802.11ac20_5825MHz

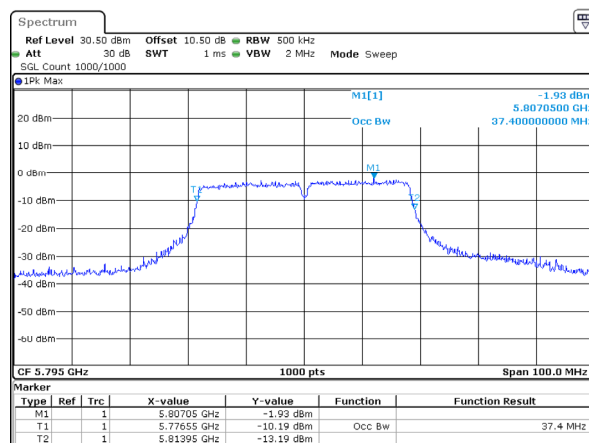


802.11ac40_5755MHz



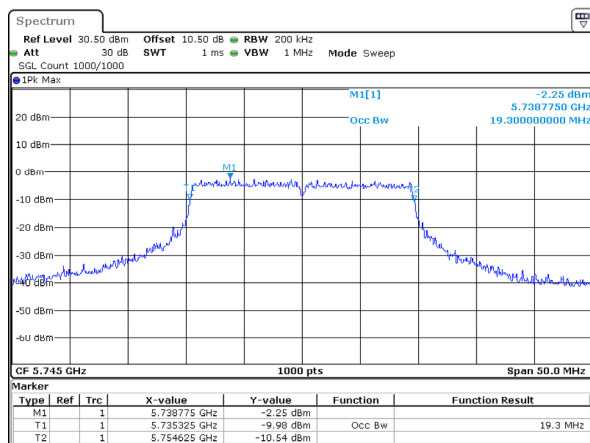
ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:35:52

802.11ac40_5795MHz



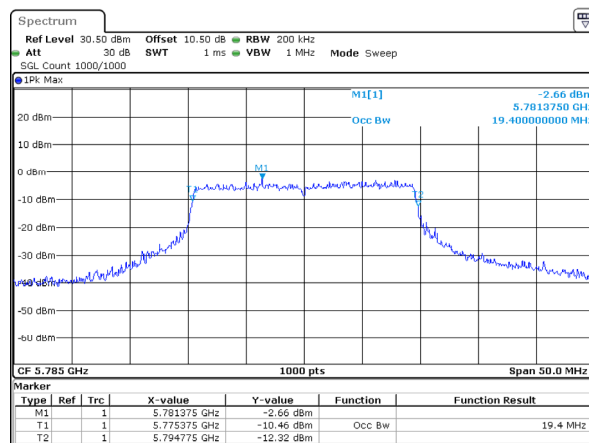
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802.11ax20_5745MHz_RU_Full



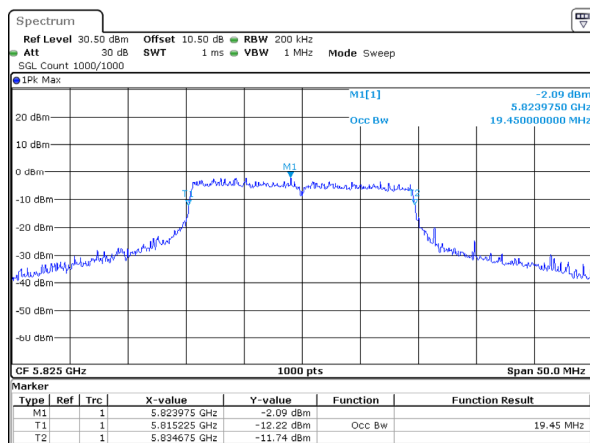
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Date: 6.JAN.2025 16:42:13

802.11ax20_5785MHz_RU_Full



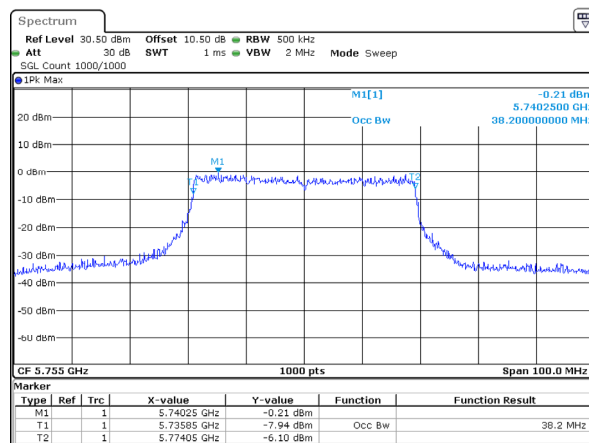
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Date: 6.JAN.2025 16:44:06

802.11ax20_5825MHz_RU_Full



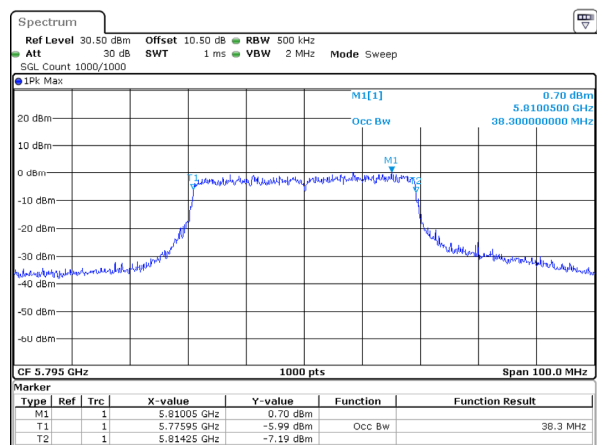
ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:45:43

802.11ax40_5755MHz_RU_Full



ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:47:05

802.11ax40_5795MHz_RU_Full



ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:48:24

Maximum Conducted Output Power

5725-5850MHz

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11a	5745	9.91	30	Pass
	5785	9.39	30	Pass
	5825	9.07	30	Pass
802.11ac20	5745	6.82	30	Pass
	5785	6.57	30	Pass
	5825	6.43	30	Pass
802.11ac40	5755	6.28	30	Pass
	5795	6.84	30	Pass
802.11ax20_RU_Full	5745	6.84	30	Pass
	5785	6.67	30	Pass
	5825	6.55	30	Pass
802.11ax40_RU_Full	5755	6.26	30	Pass
	5795	6.83	30	Pass

Power Spectral Density

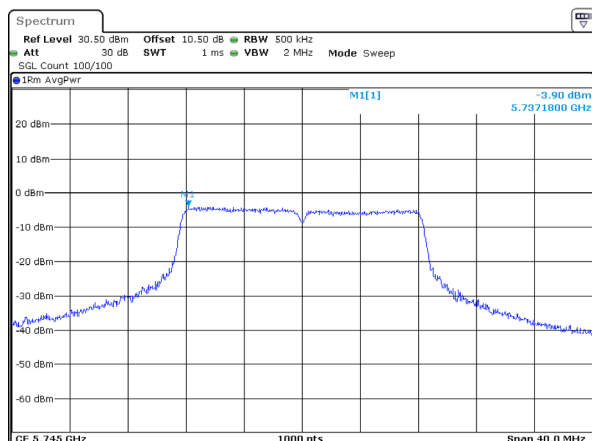
5725-5850MHz

Mode	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor(dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
802.11a	5745	-3.90	0.32	-3.58	30	Pass
	5785	-4.76	0.32	-4.44	30	Pass
	5825	-4.56	0.32	-4.24	30	Pass
802.11ac20	5745	-7.35	0.33	-7.02	30	Pass
	5785	-7.90	0.33	-7.57	30	Pass
	5825	-7.52	0.33	-7.19	30	Pass
802.11ac40	5755	-10.63	/	-10.63	30	Pass
	5795	-10.16	/	-10.16	30	Pass
802.11ax20_RU_Full	5745	-7.64	0.42	-7.22	30	Pass
	5785	-8.00	0.42	-7.58	30	Pass
	5825	-7.66	0.42	-7.24	30	Pass
802.11ax40_RU_Full	5755	-10.52	/	-10.52	30	Pass
	5795	-10.34	/	-10.34	30	Pass

Result = Reading + Duty Cycle Factor

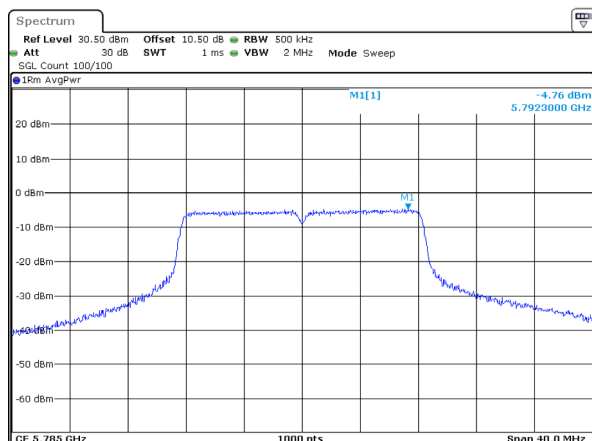
5725-5850MHz

802.11a_5745MHz



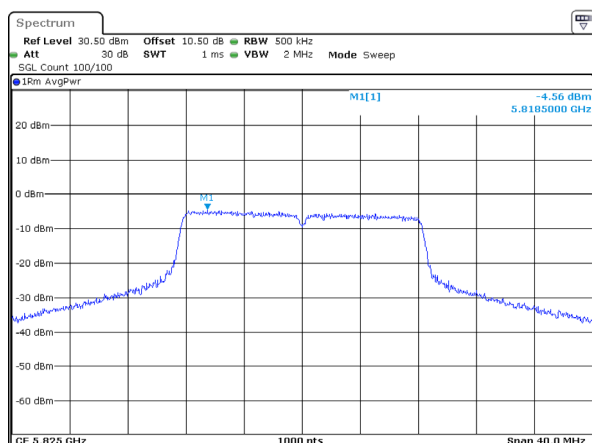
ProjectNo.:2401A54698E-RF Testers:Rainbow Zhu
Date: 6.JAN.2025 16:06:50

802.11a_5785MHz



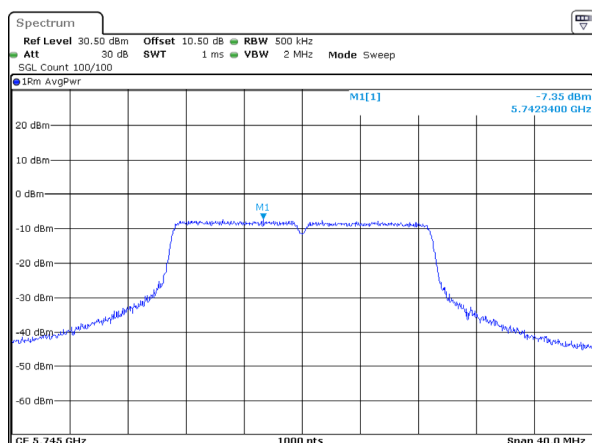
ProjectNo.:2401A54698E-RF Testers:Rainbow Zhu
Date: 6.JAN.2025 16:09:50

802.11a_5825MHz



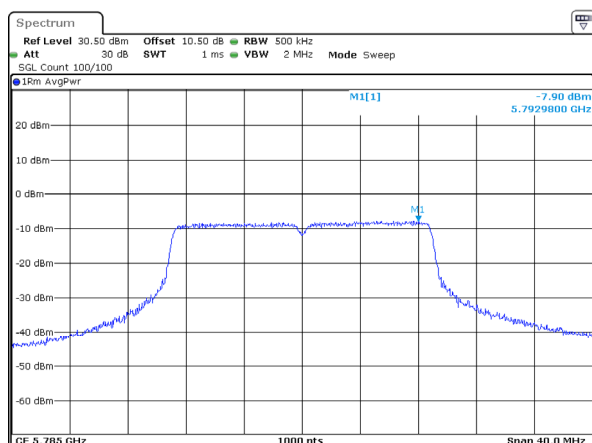
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Date: 6.JAN.2025 16:12:27

802.11ac20_5745MHz



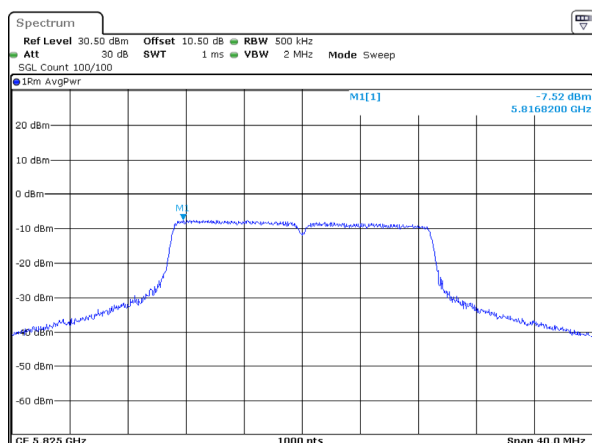
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Date: 6.JAN.2025 16:27:30

802.11ac20_5785MHz



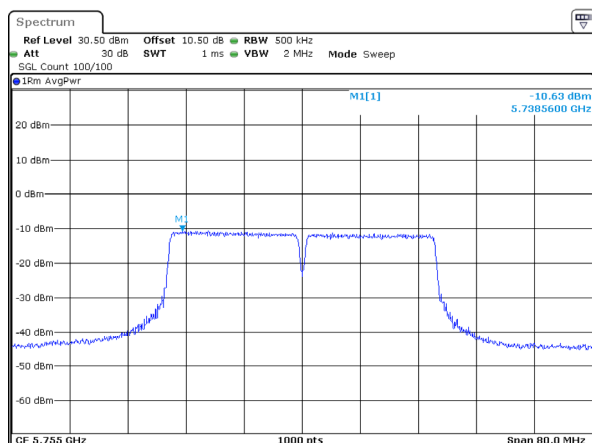
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802.11ac20_5825MHz



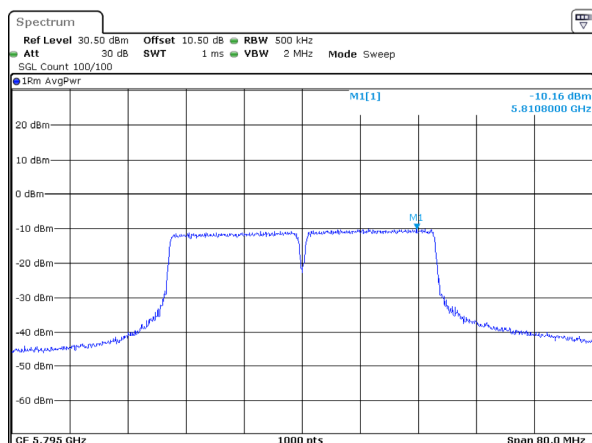
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Date: 6.JAN.2025 16:32:42

802.11ac40_5755MHz



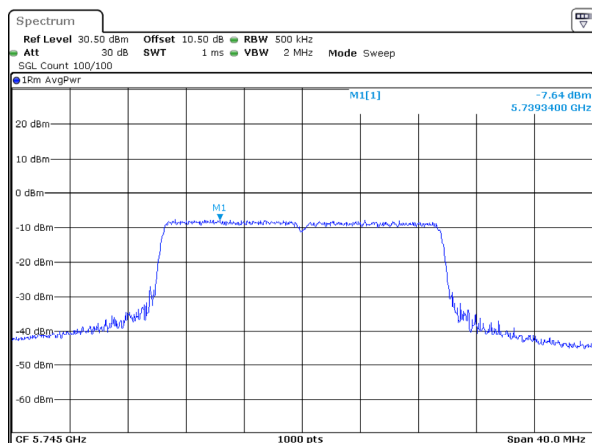
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Date: 6.JAN.2025 16:36:04

802.11ac40_5795MHz



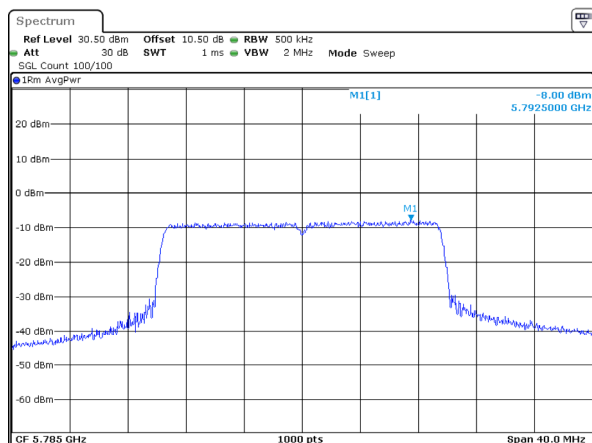
ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:37:33

802.11ax20_5745MHz_RU_Full



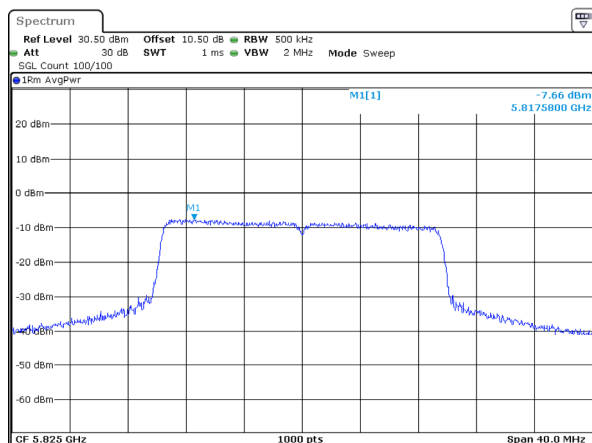
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Date: 6.JAN.2025 16:42:24

802.11ax20_5785MHz_RU_Full



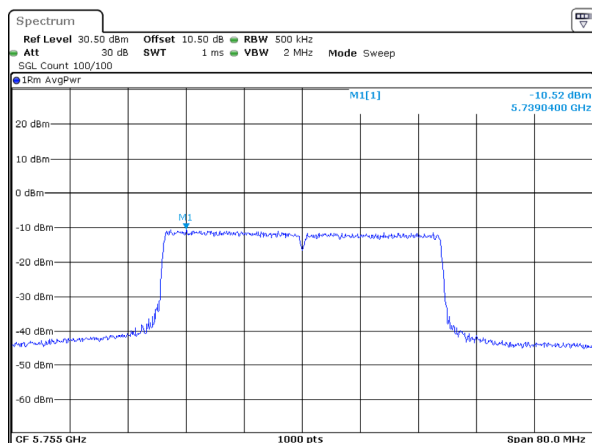
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Date: 6.JAN.2025 16:44:19

802.11ax20_5825MHz_RU_Full



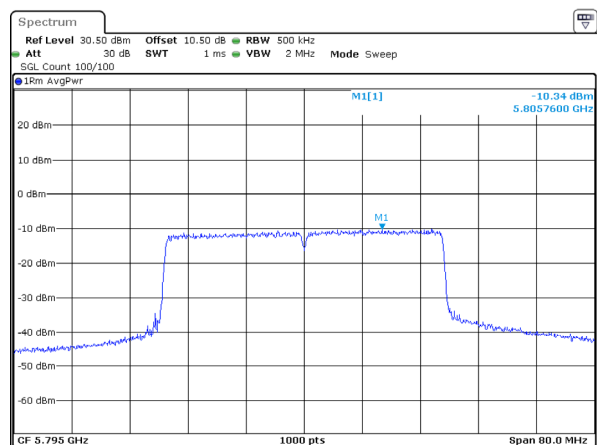
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Date: 6.JAN.2025 16:45:54

802.11ax40_5755MHz_RU_Full



ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:47:17

802.11ax40_5795MHz_RU_Full



ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 6.JAN.2025 16:48:36

Duty Cycle

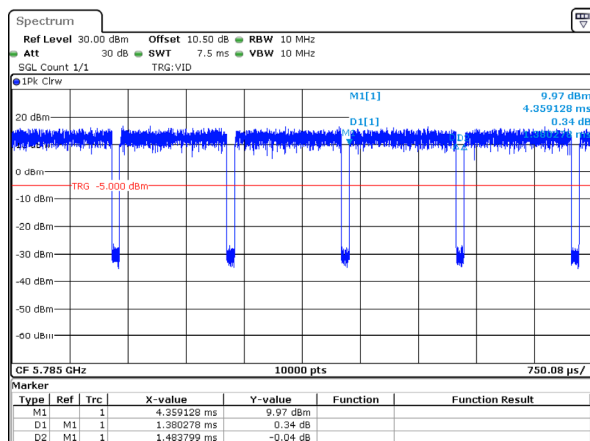
5725-5850MHz

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5785	1.380	1.484	92.99	0.32	725	1
802.11ac20	5785	1.313	1.417	92.66	0.33	762	1
802.11ac40	5755	4.894	4.933	99.21	/	/	0.010
802.11ax20_RU_Full	5785	1.012	1.116	90.68	0.42	988	1
802.11ax40_RU_Full	5755	3.860	3.899	99.00	/	/	0.010

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

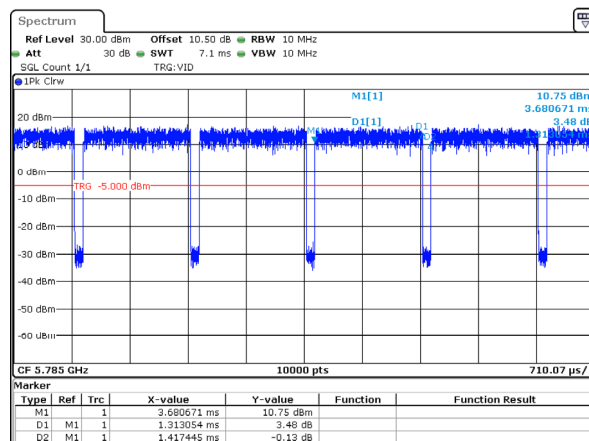
5725-5850MHz

802.11a_5785MHz



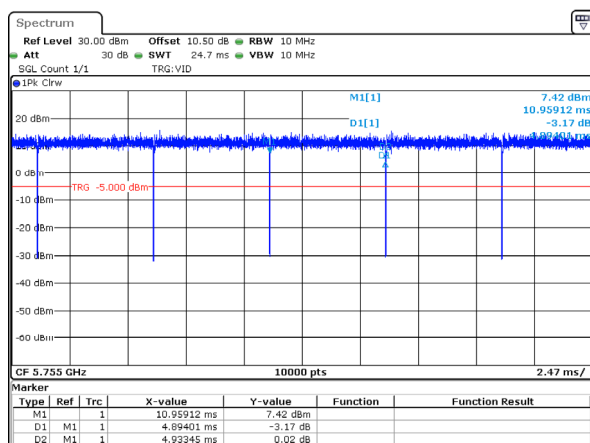
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Date: 27.MAR.2025 09:53:12

802.11ac20_5785MHz



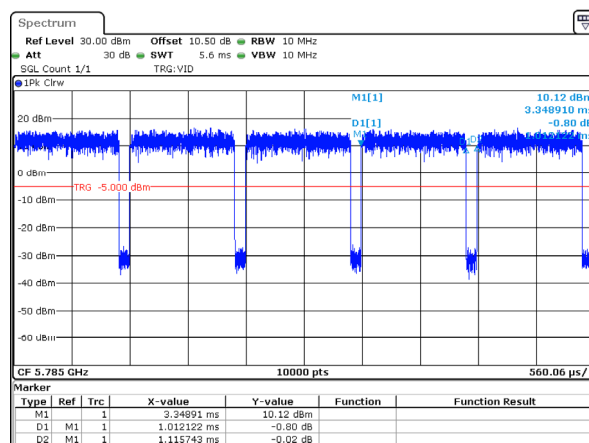
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Date: 27.MAR.2025 09:42:32

802.11ac40_5755MHz



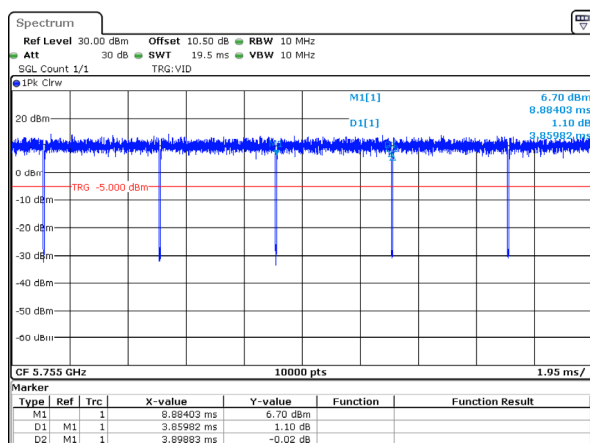
ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 27.MAR.2025 09:55:23

802.11ax20_5785MHz_RU_Full



ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 27.MAR.2025 10:00:48

802.11ax40_5755MHz_RU_Full



ProjectNo.:2401A54698E-RF Tester:Rainbow Zhu
Date: 27.MAR.2025 09:50:02