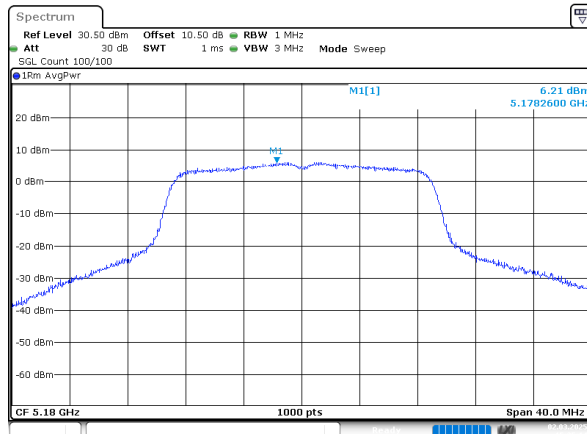
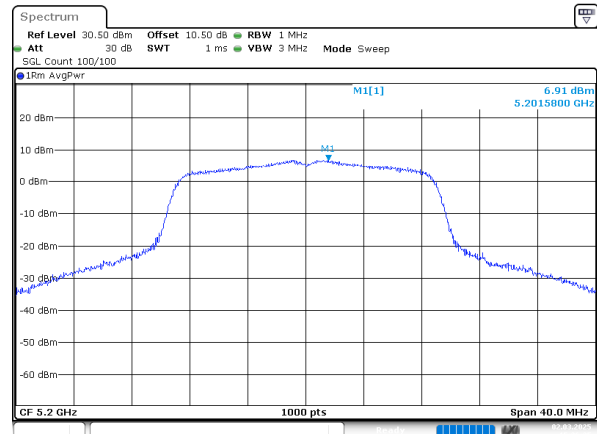


802.11n20_5180MHz_Chain 1



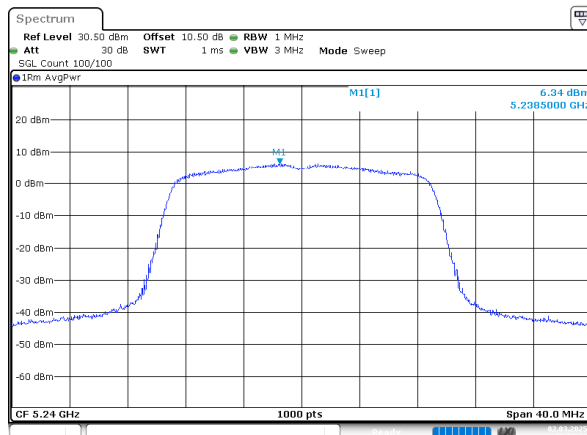
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 15:35:15

802.11n20_5200MHz_Chain 1



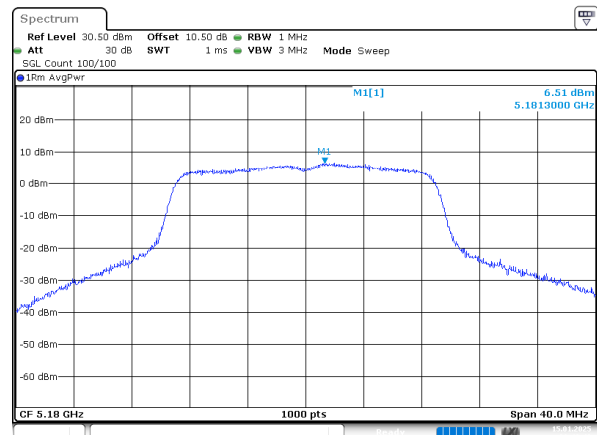
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 15:36:35

802.11n20_5240MHz_Chain 1



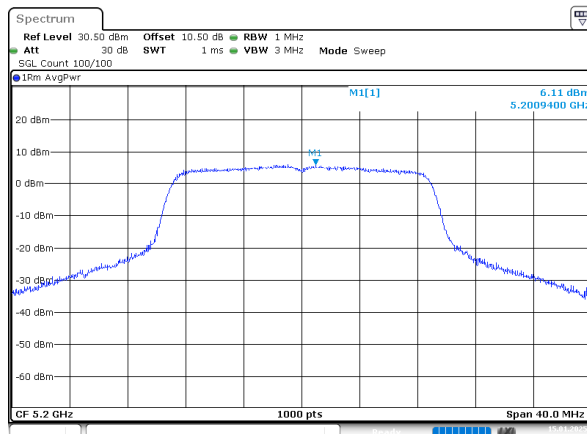
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 15:38:32

802.11n20_5180MHz_Chain 2



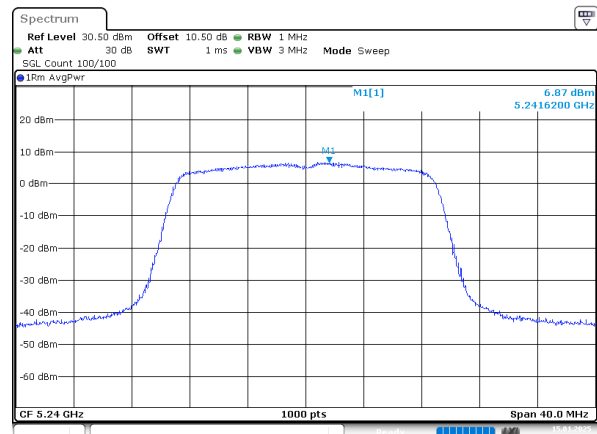
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 15.JAN.2025 00:40:48

802.11n20_5200MHz_Chain 2



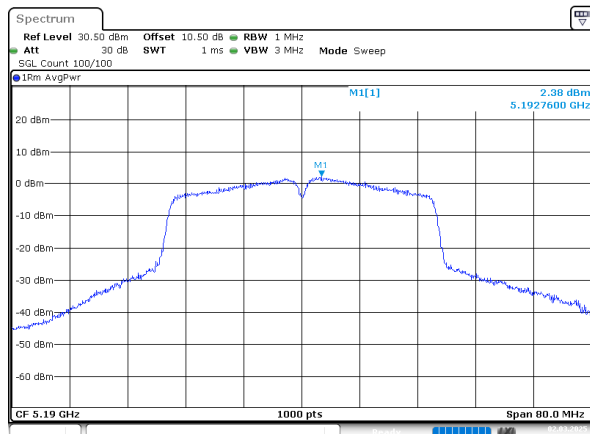
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 15.JAN.2025 00:42:21

802.11n20_5240MHz_Chain 2



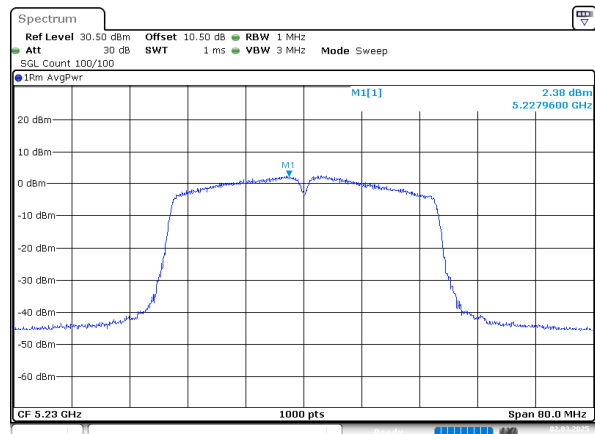
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 15.JAN.2025 00:48:01

802.11n40_5190MHz_Chain 0



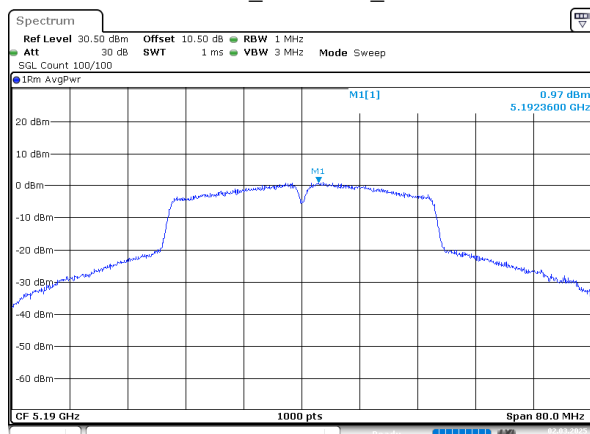
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 15:41:51

802.11n40_5230MHz_Chain 0



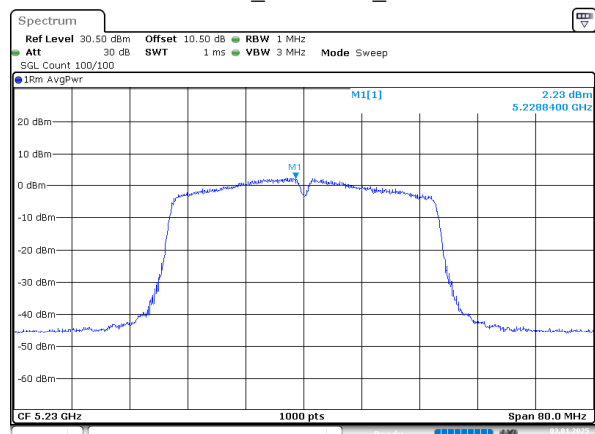
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 15:42:53

802.11n40_5190MHz_Chain 1



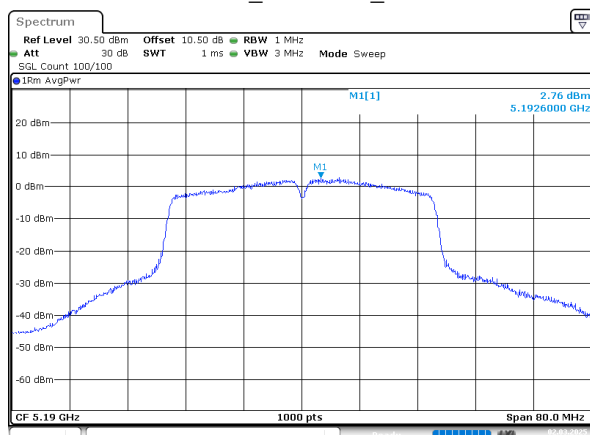
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 13:48:07

802.11n40_5230MHz_Chain 1



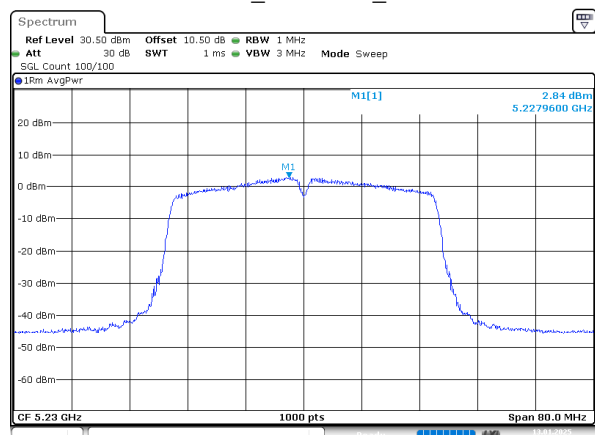
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 3.JAN.2025 20:36:22

802.11n40_5190MHz_Chain 2



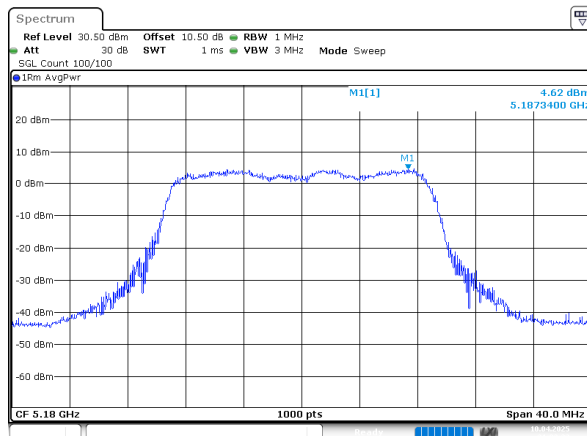
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Date: 2.MAR.2025 13:51:58

802.11n40_5230MHz_Chain 2



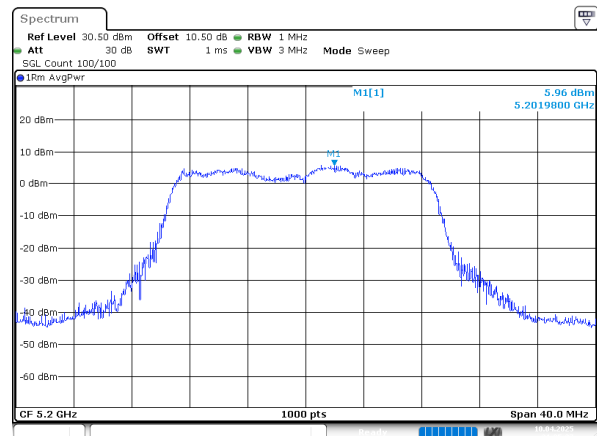
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 13.JAN.2025 19:55:41

802.11ac20_5180MHz_Chain 0



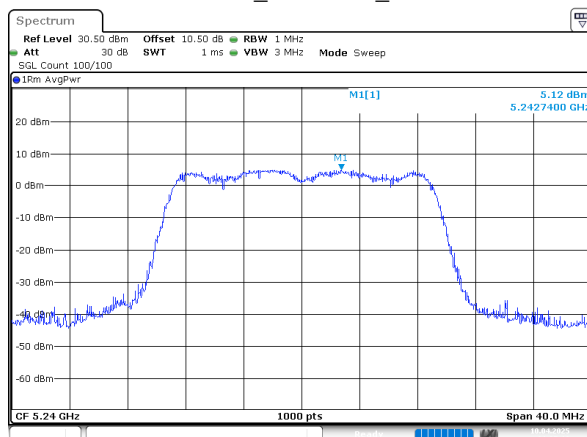
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:02:22

802.11ac20_5200MHz_Chain 0



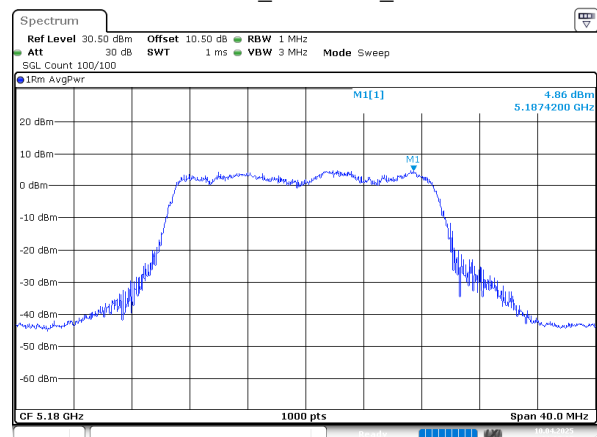
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:05:37

802.11ac20_5240MHz_Chain 0



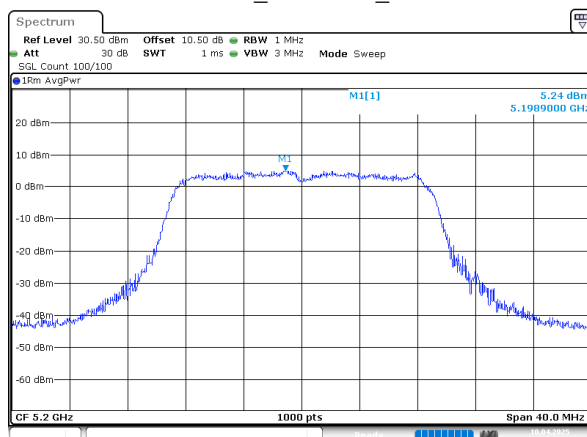
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:05:18

802.11ac20_5180MHz_Chain 1



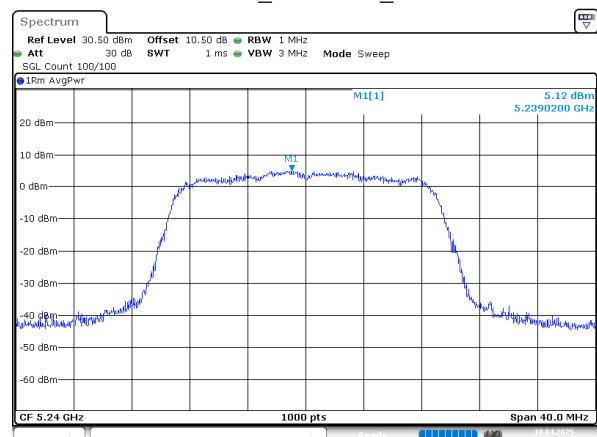
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Date: 10.APR.2025 21:07:07

802.11ac20_5200MHz_Chain 1



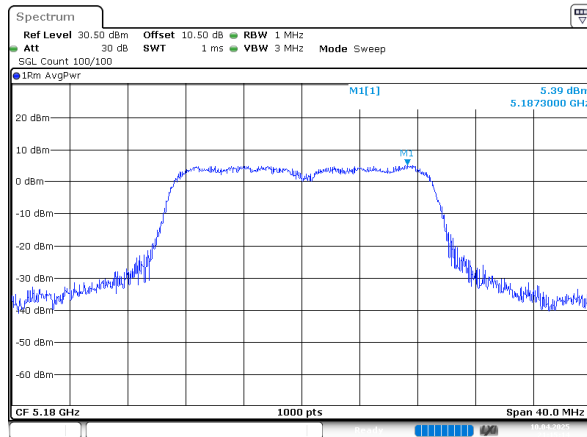
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:13:44

802.11ac20_5240MHz_Chain 1



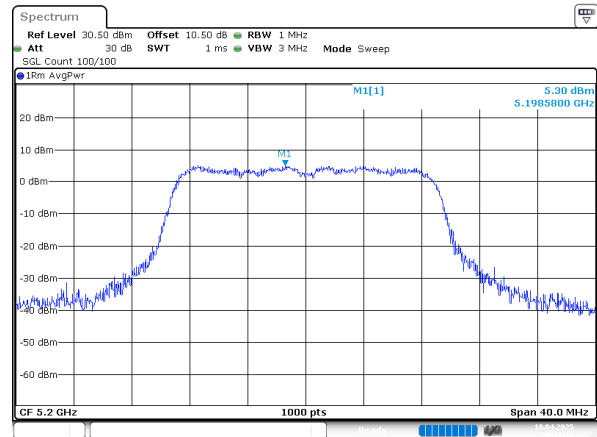
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:13:56

802.11ac20_5180MHz_Chain 2



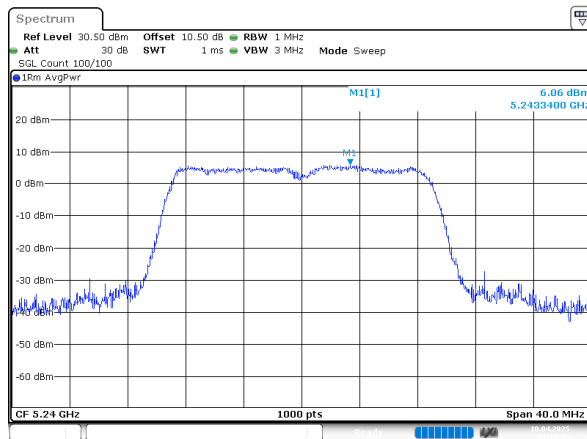
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:15:14

802.11ac20_5200MHz_Chain 2



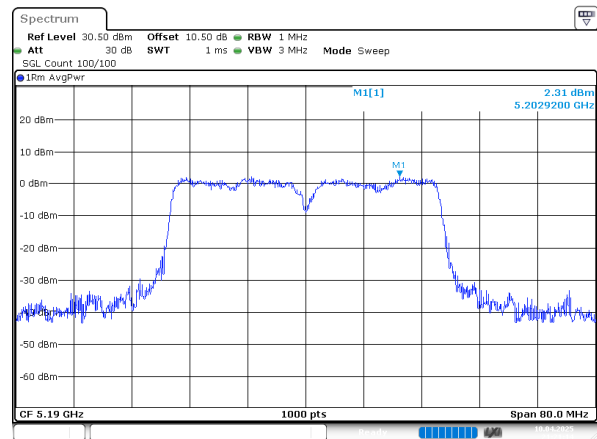
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:15:31

802.11ac20_5240MHz_Chain 2



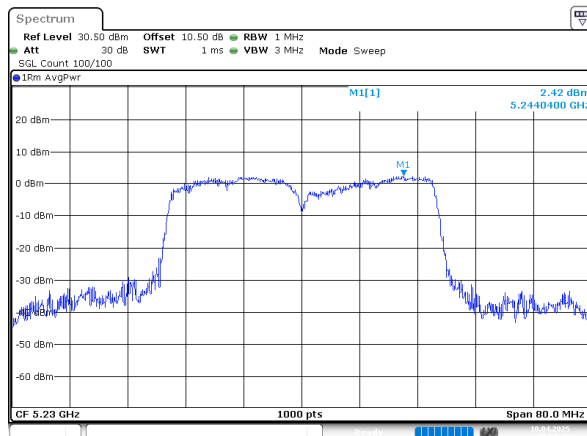
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:15:43

802.11ac40_5190MHz_Chain 0



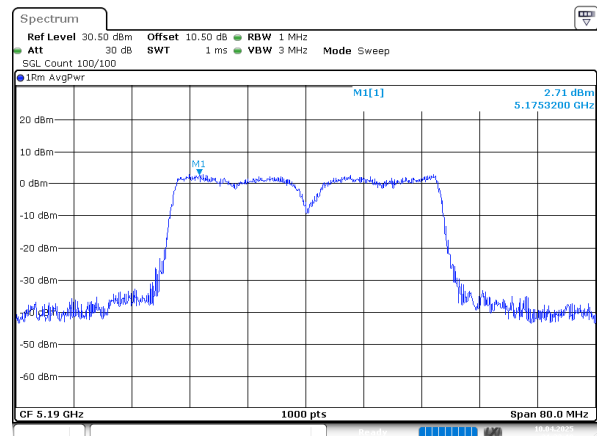
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:21:14

802.11ac40_5230MHz_Chain 0



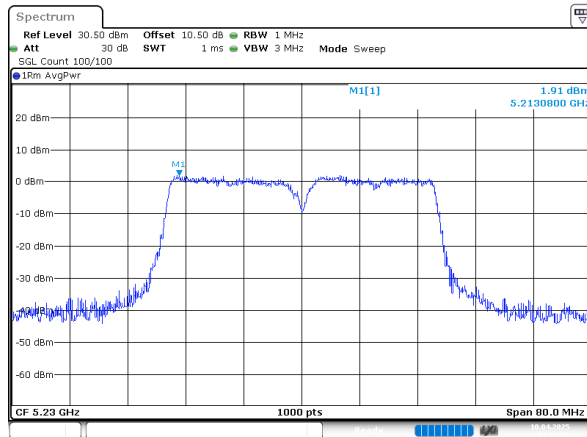
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:21:36

802.11ac40_5190MHz_Chain 1

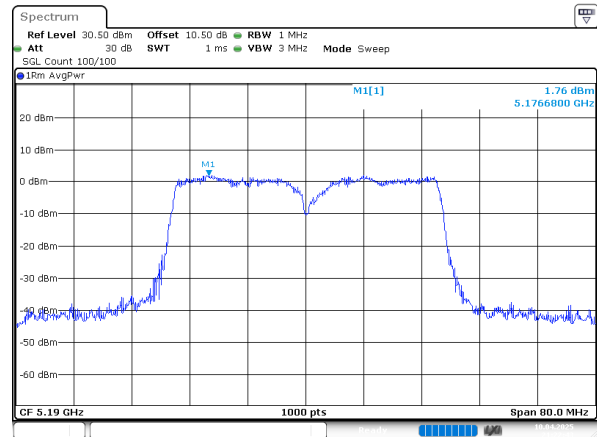


ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 21:23:19

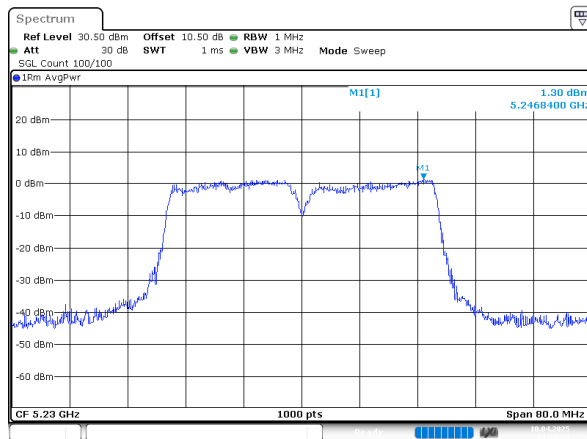
802.11ac40_5230MHz_Chain 1



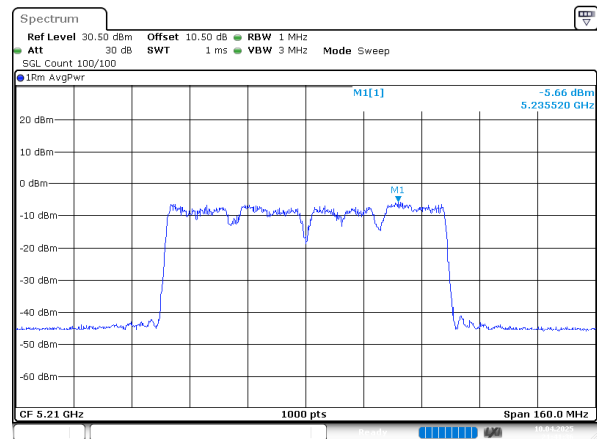
802.11ac40_5190MHz_Chain 2



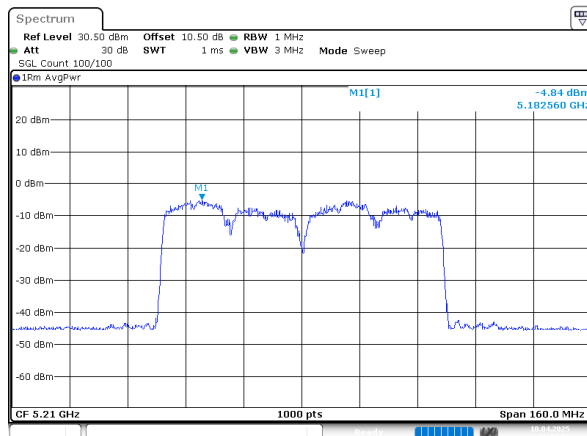
802.11ac40_5230MHz_Chain 2



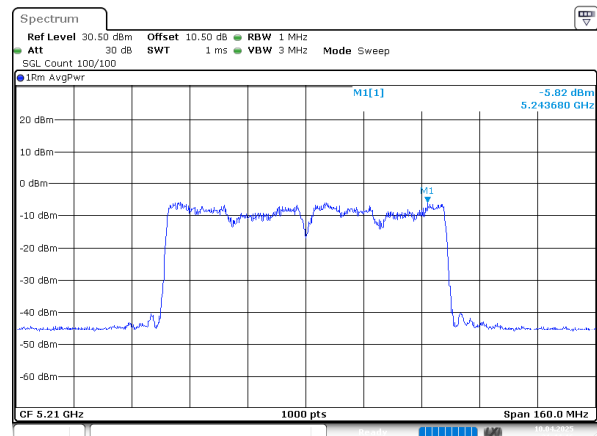
802.11ac80_5210MHz_Chain 0



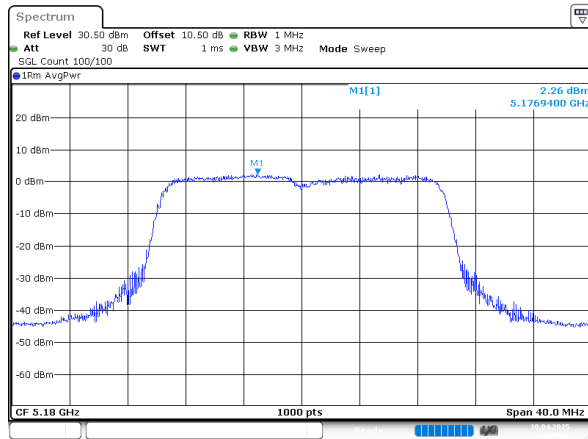
802.11ac80_5210MHz_Chain 1



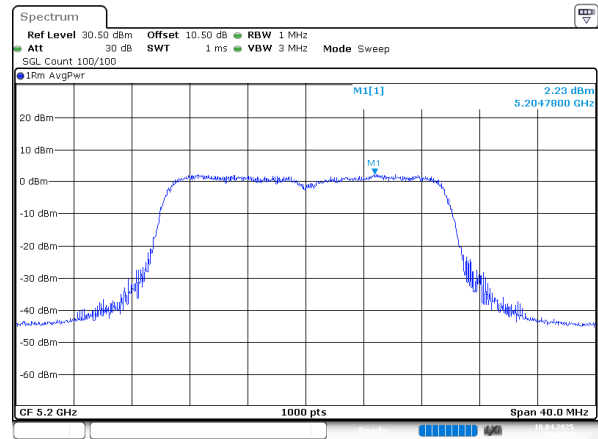
802.11ac80_5210MHz_Chain 2



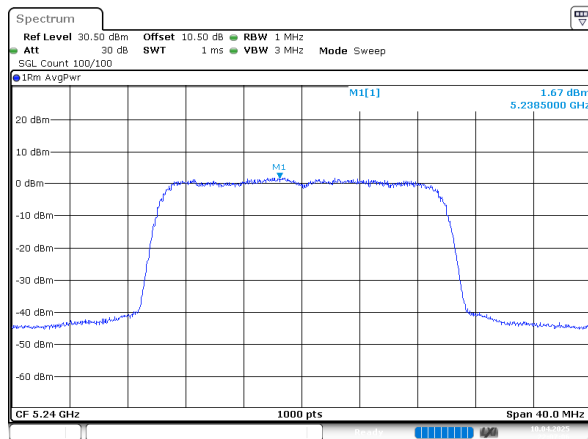
802.11ax20_5180MHz_RU_Full_Chain 0



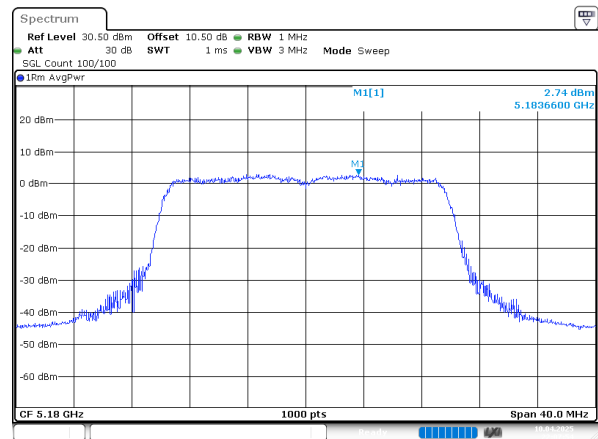
802.11ax20_5200MHz_RU_Full_Chain 0



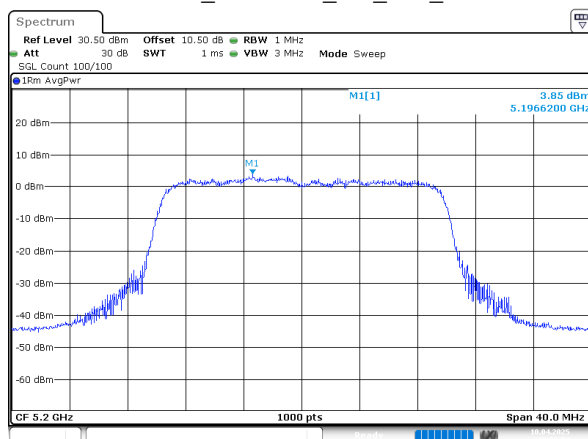
802.11ax20_5240MHz_RU_Full_Chain 0



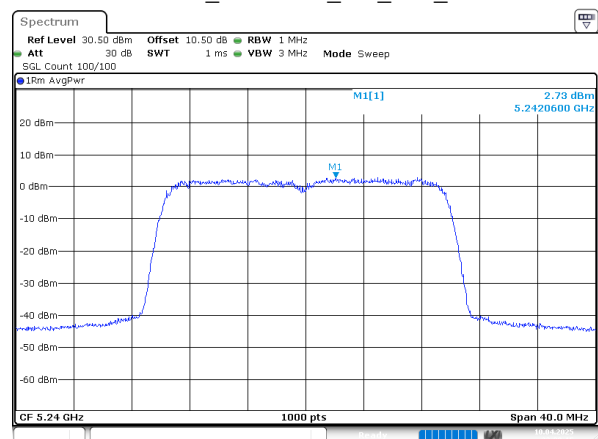
802.11ax20_5180MHz_RU_Full_Chain 1



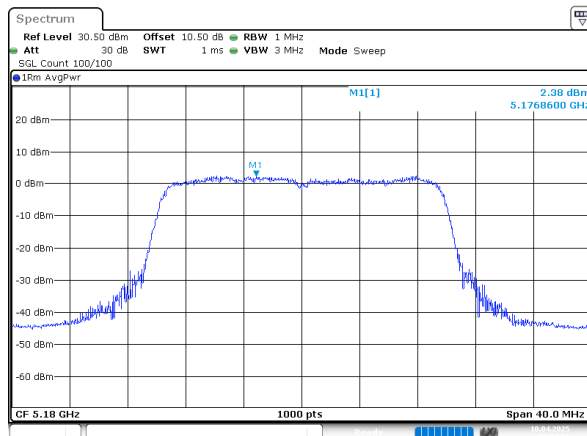
802.11ax20_5200MHz_RU_Full_Chain 1



802.11ax20_5240MHz_RU_Full_Chain 1

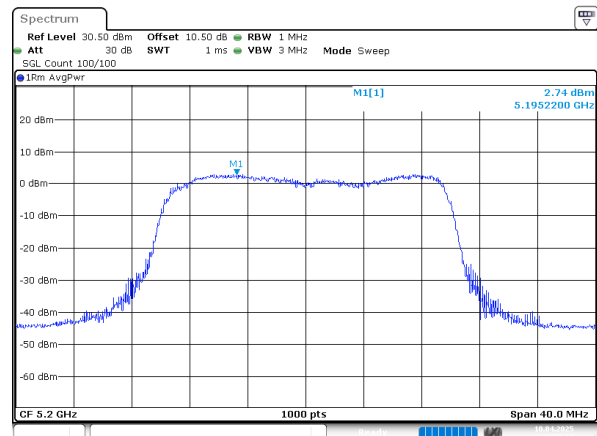


802.11ax20_5180MHz_RU_Full_Chain 2



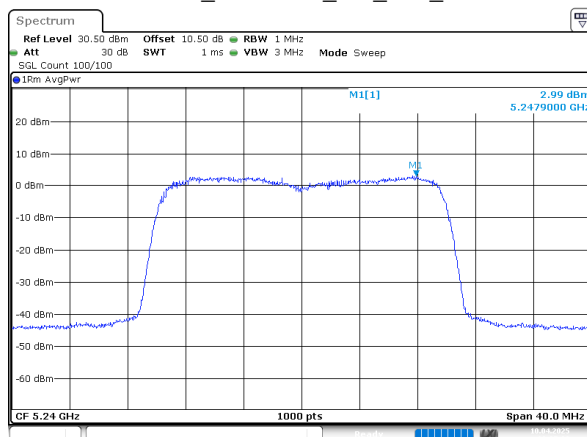
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:04:56

802.11ax20_5200MHz_RU_Full_Chain 2



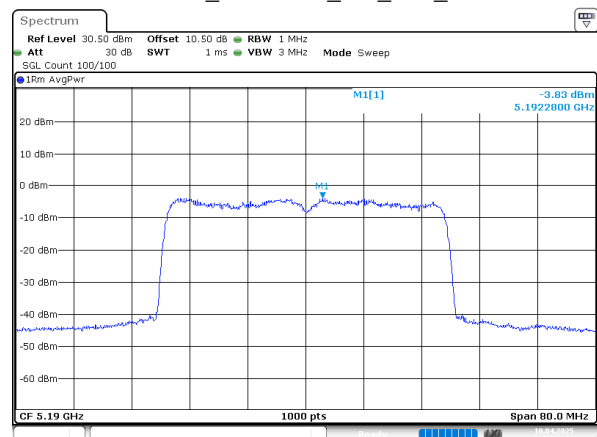
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:05:10

802.11ax20_5240MHz_RU_Full_Chain 2



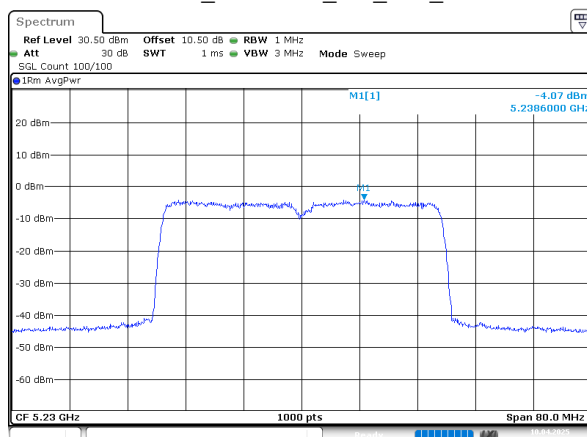
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:05:33

802.11ax40_5190MHz_RU_Full_Chain 0



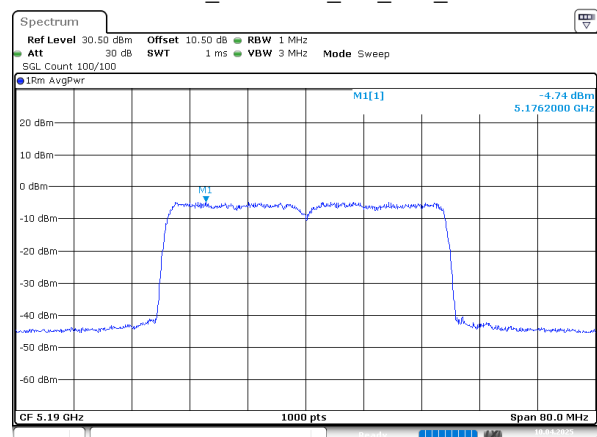
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:13:08

802.11ax40_5230MHz_RU_Full_Chain 0



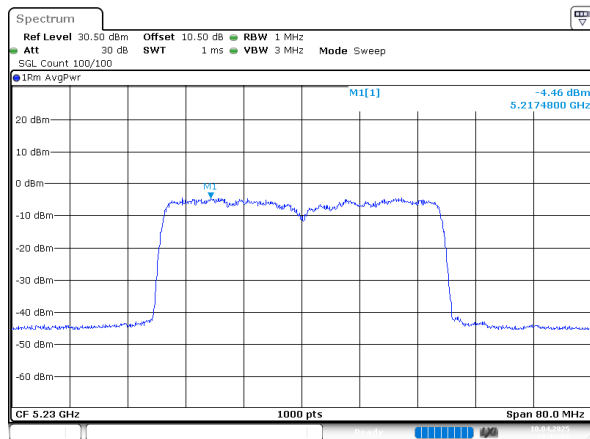
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:13:20

802.11ax40_5190MHz_RU_Full_Chain 1



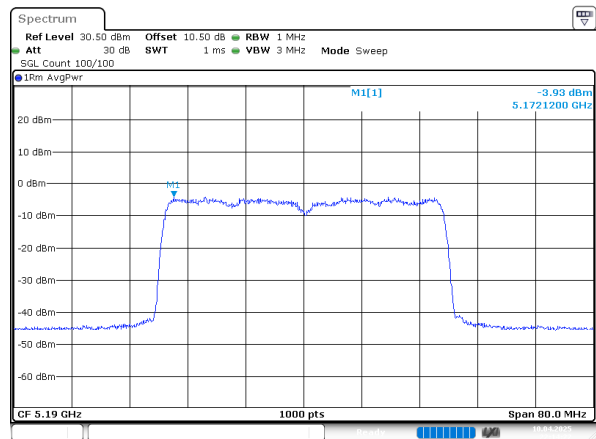
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:11:57

802.11ax40_5230MHz_RU_Full_Chain 1



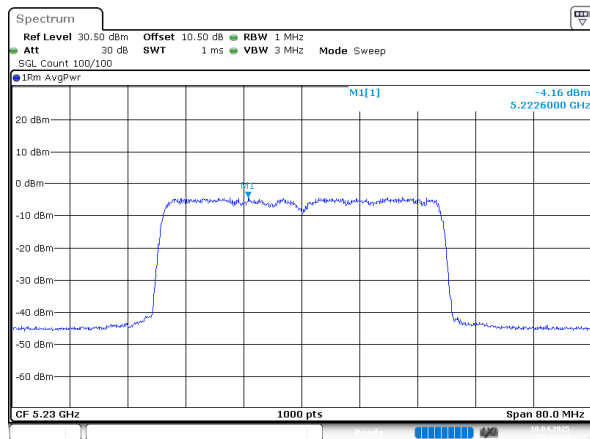
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Date: 10.APR.2025 22:12:08

802.11ax40_5190MHz_RU_Full_Chain 2



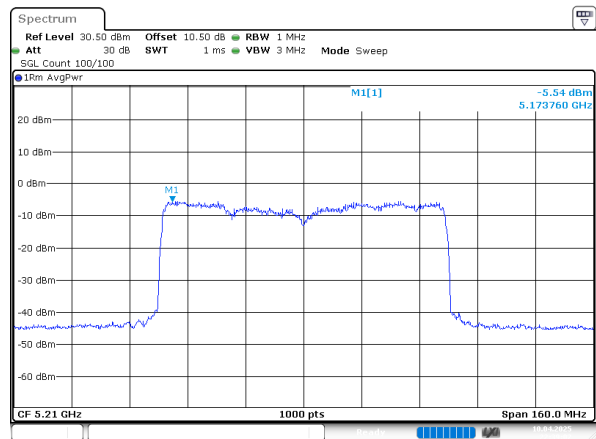
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:14:22

802.11ax40_5230MHz_RU_Full_Chain 2



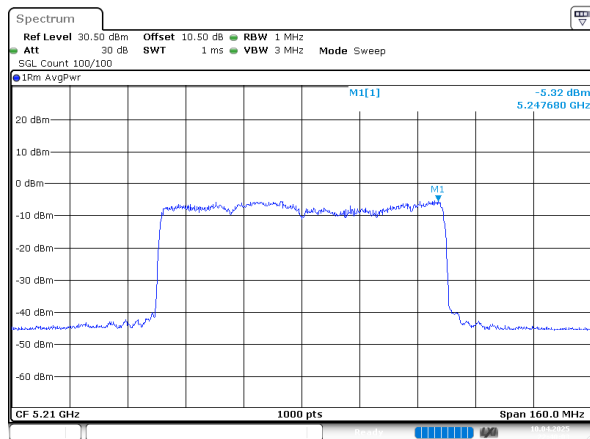
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:14:34

802.11ax80_5210MHz_RU_Full_Chain 0



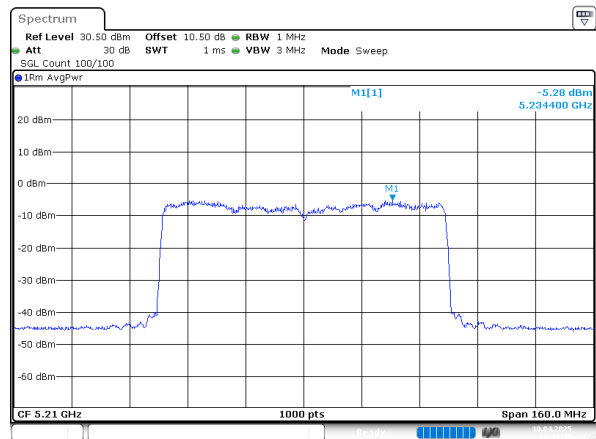
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:39:02

802.11ax80_5210MHz_RU_Full_Chain 1



ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:40:03

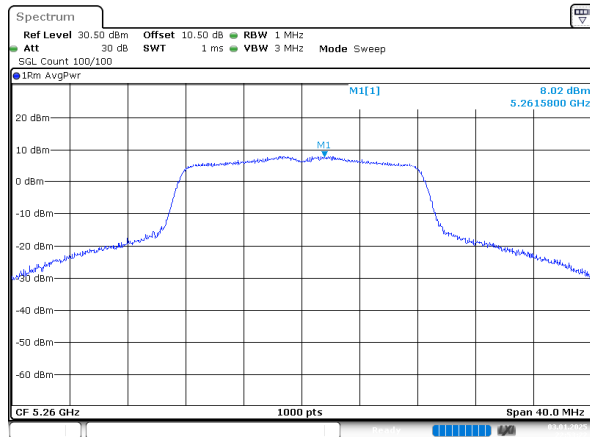
802.11ax80_5210MHz_RU_Full_Chain 2



ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 22:37:48

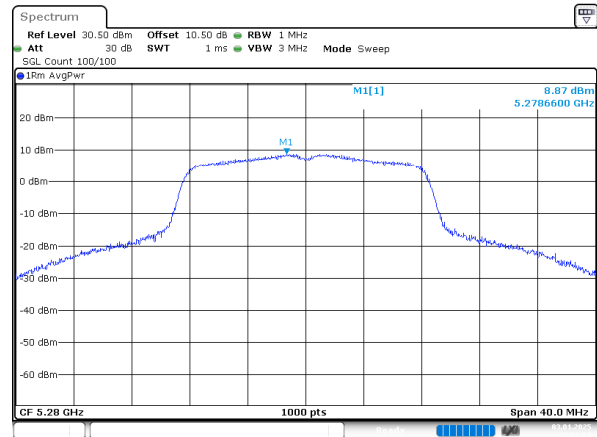
5250-5350MHz

802.11a_5260MHz_Chain 0



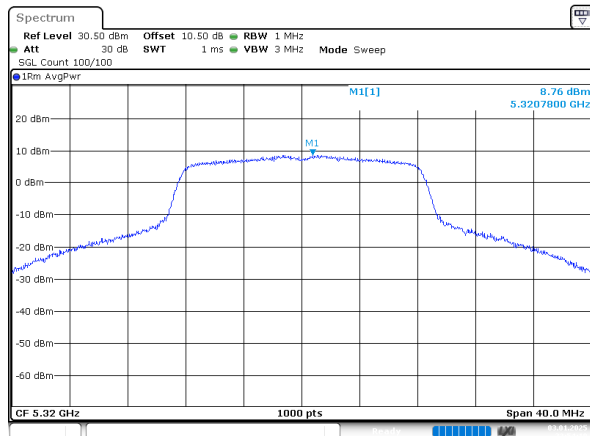
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 3.JAN.2025 22:53:23

802.11a_5280MHz_Chain 0



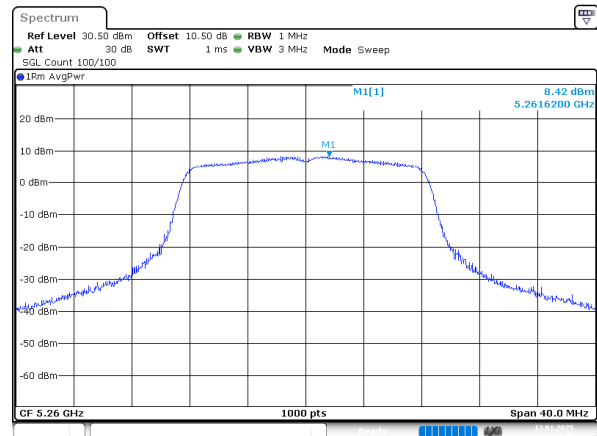
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 3.JAN.2025 22:53:51

802.11a_5320MHz_Chain 0



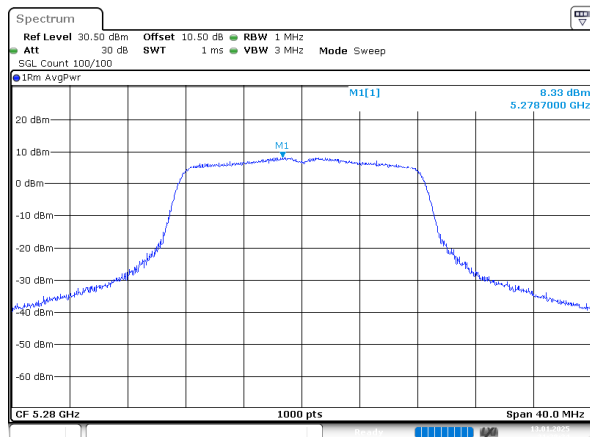
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 3.JAN.2025 22:54:20

802.11a_5260MHz_Chain 1



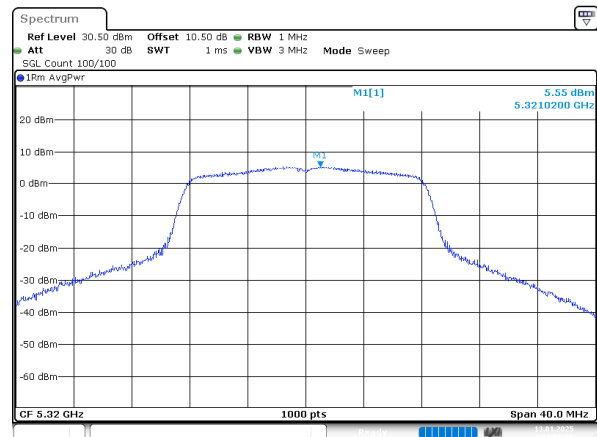
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Date: 13.JAN.2025 21:37:47

802.11a_5280MHz_Chain 1



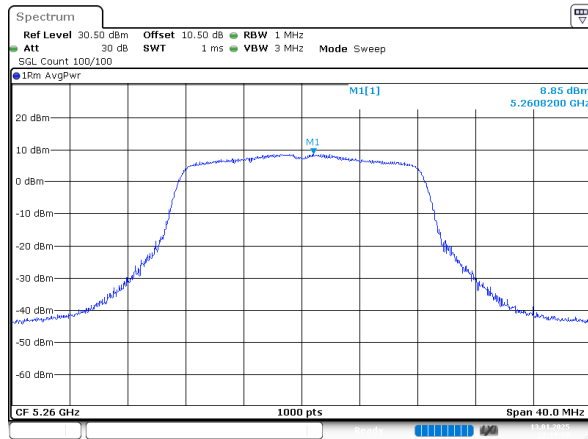
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 13.JAN.2025 21:28:35

802.11a_5320MHz_Chain 1



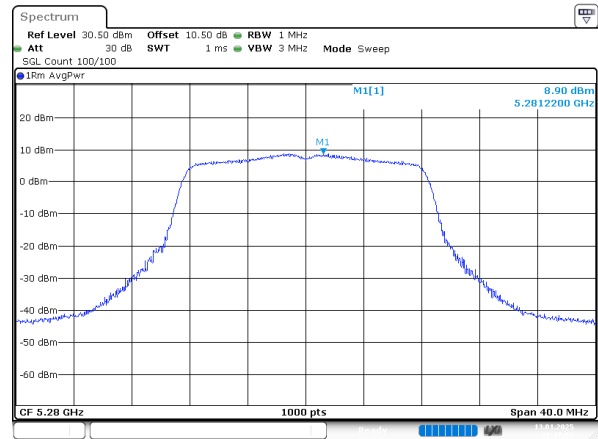
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 13.JAN.2025 22:05:57

802.11a_5260MHz_Chain 2



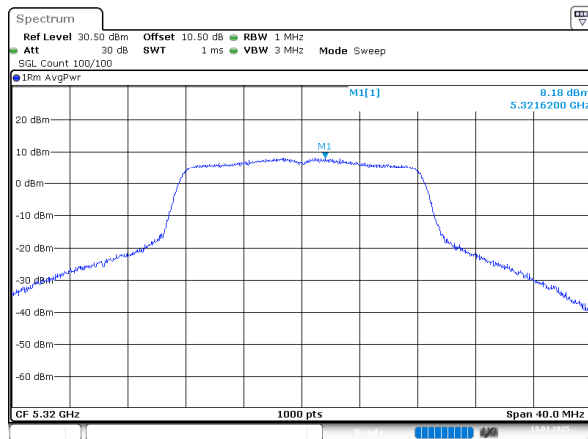
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Date: 13.JAN.2025 22:15:38

802.11a_5280MHz_Chain 2



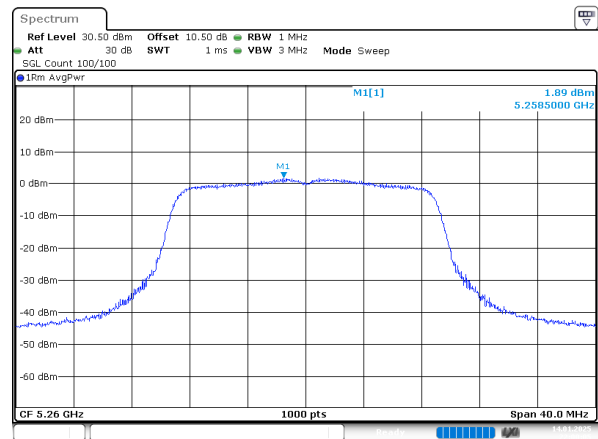
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Date: 13.JAN.2025 22:17:03

802.11a_5320MHz_Chain 2



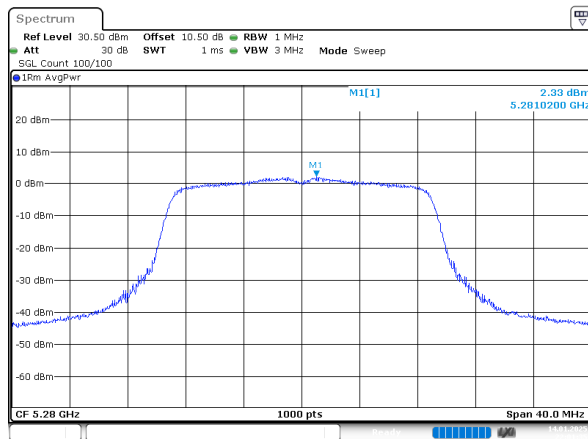
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 13.JAN.2025 22:23:43

802.11n20_5260MHz_Chain 0



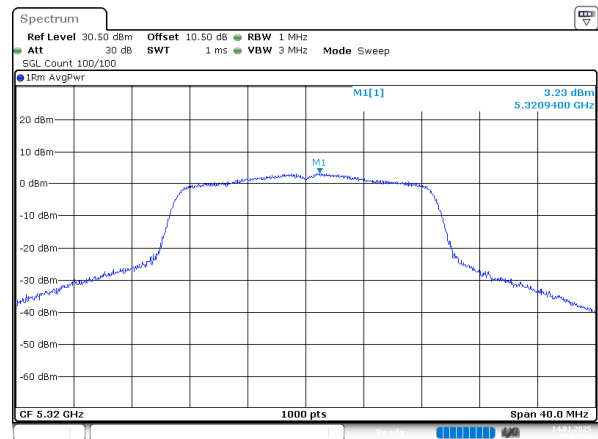
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Date: 14.JAN.2025 22:00:05

802.11n20_5280MHz_Chain 0



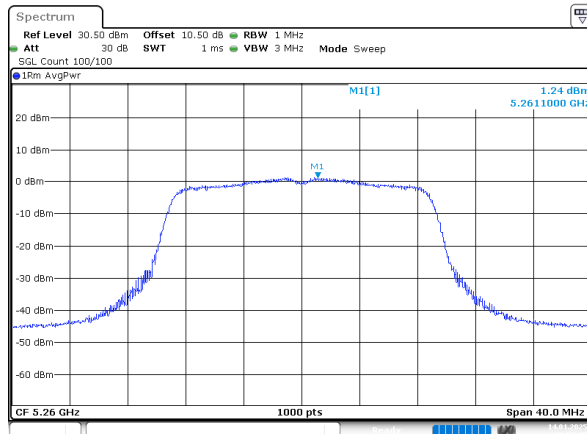
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Date: 14.JAN.2025 22:01:35

802.11n20_5320MHz_Chain 0



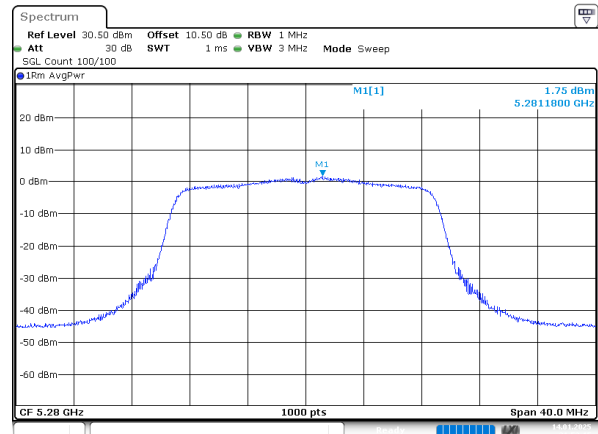
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 14.JAN.2025 22:02:56

802.11n20_5260MHz_Chain 1



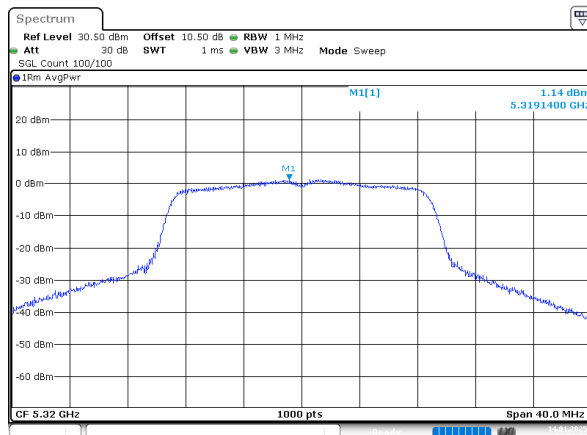
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Date: 14.JAN.2025 21:50:45

802.11n20_5280MHz_Chain 1



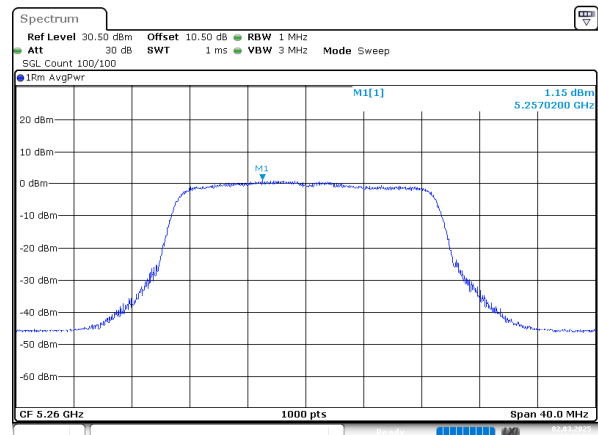
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Date: 14.JAN.2025 21:52:15

802.11n20_5320MHz_Chain 1



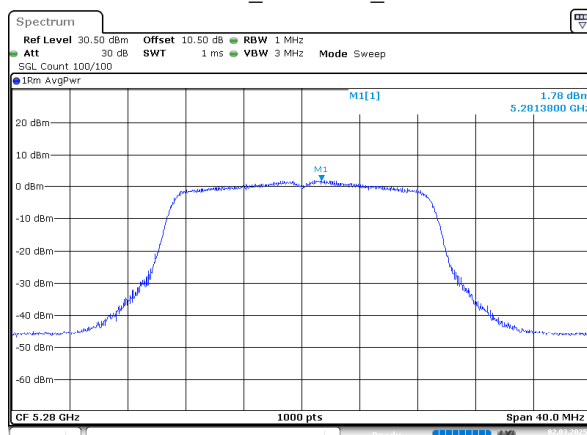
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 14.JAN.2025 21:57:38

802.11n20_5260MHz_Chain 2



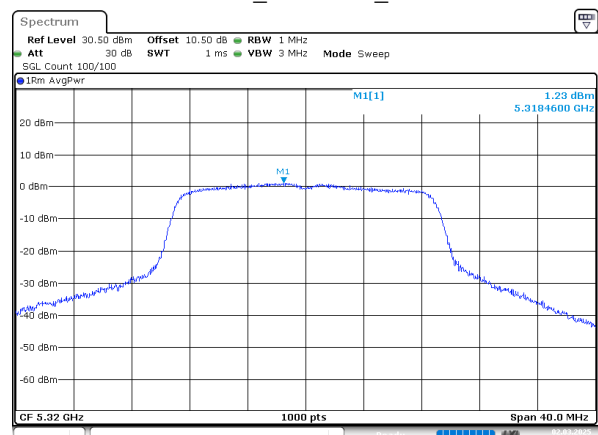
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 14:04:51

802.11n20_5280MHz_Chain 2



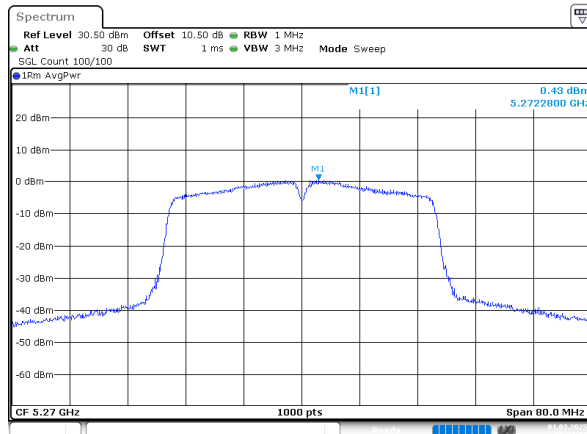
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 14:09:25

802.11n20_5320MHz_Chain 2



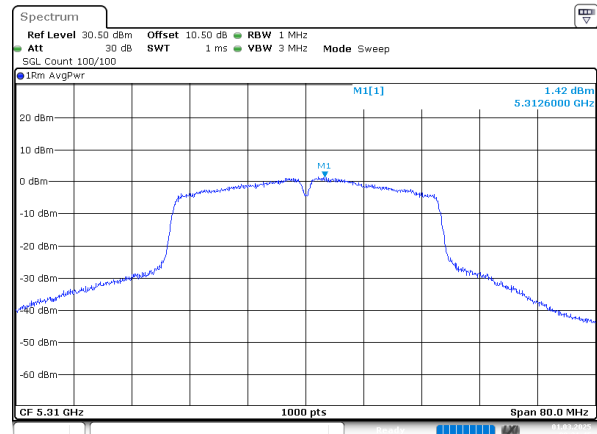
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 2.MAR.2025 14:14:30

802.11n40_5270MHz_Chain 0



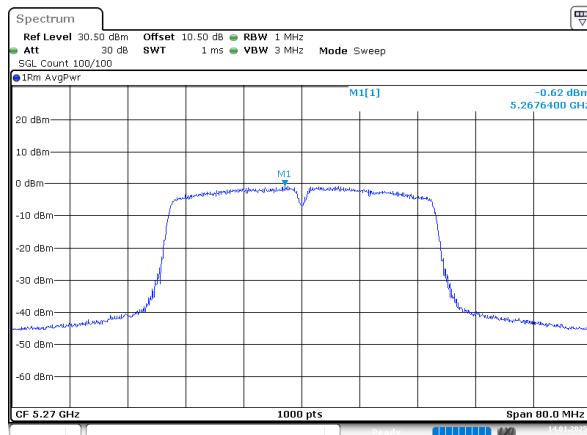
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 1.MAR.2025 00:21:17

802.11n40_5310MHz_Chain 0



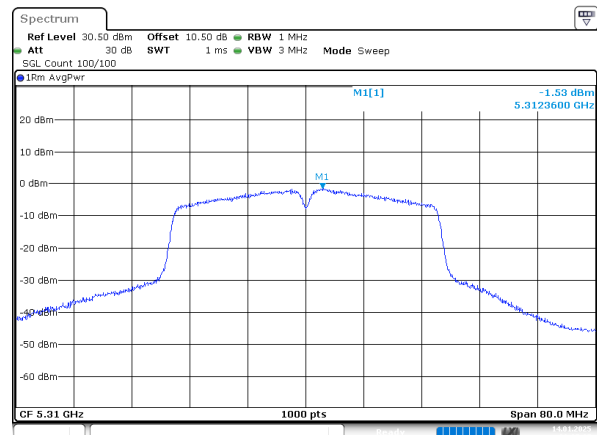
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Date: 1.MAR.2025 00:21:45

802.11n40_5270MHz_Chain 1



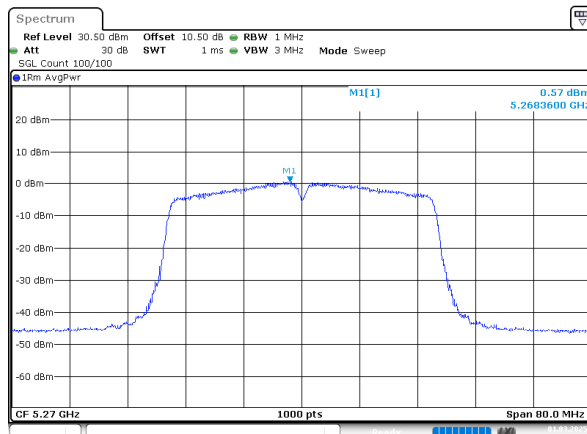
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Date: 14.JAN.2025 22:17:58

802.11n40_5310MHz_Chain 1



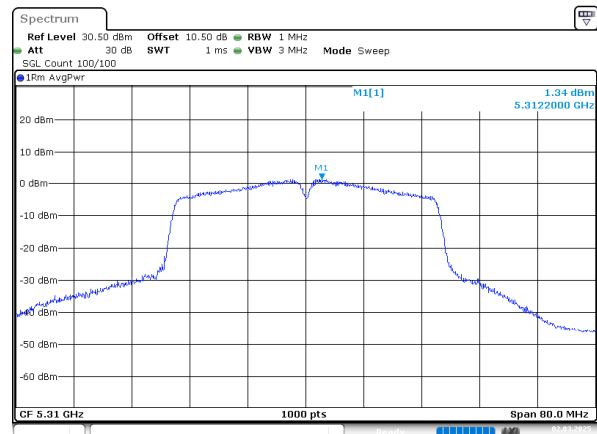
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802.11n40_5270MHz_Chain 2



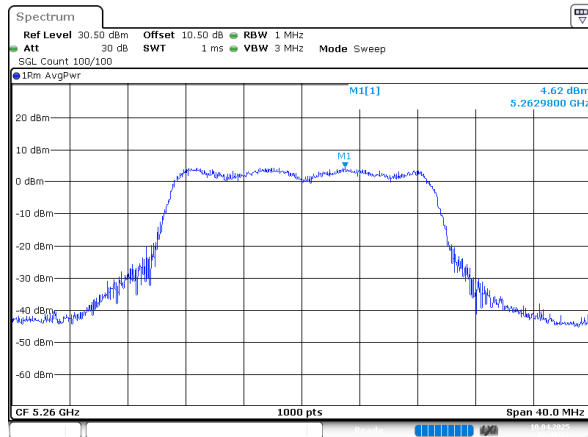
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Date: 1.MAR.2025 00:24:29

802.11n40_5310MHz_Chain 2

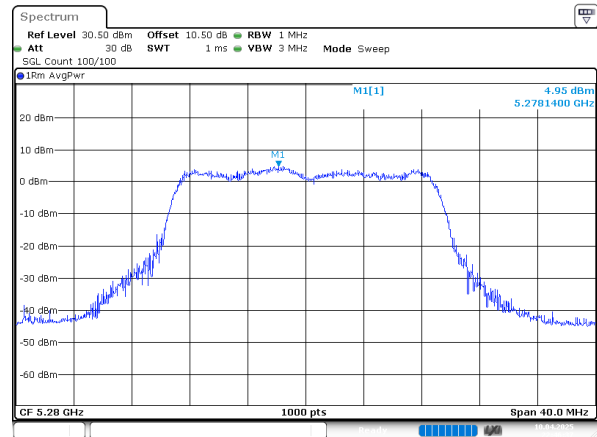


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Date: 2.MAR.2025 14:16:21

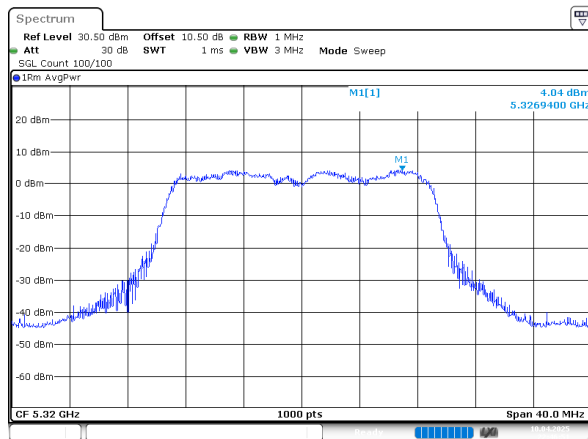
802.11ac20_5260MHz_Chain 0



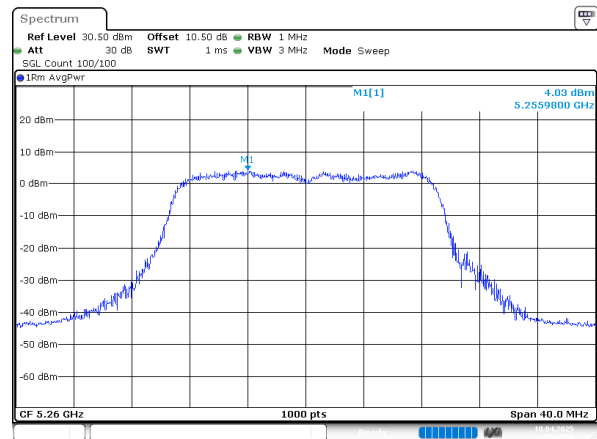
802.11ac20_5280MHz_Chain 0



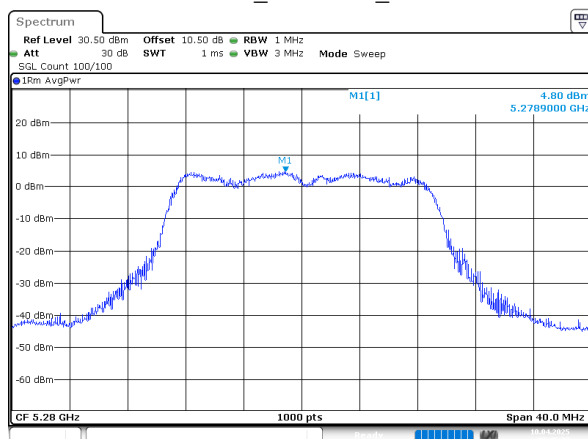
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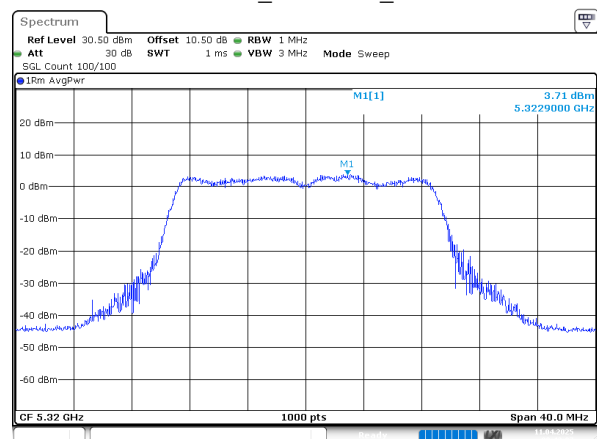
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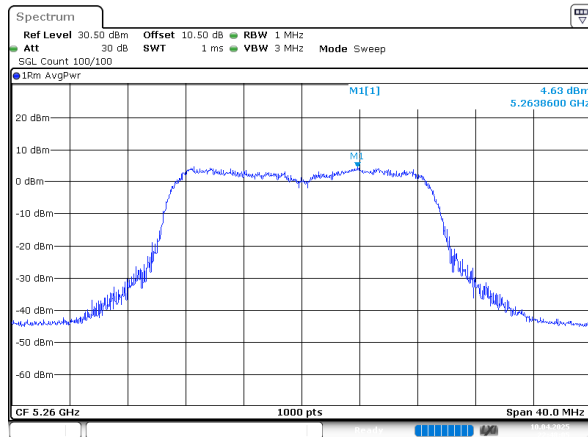
802.11ac20_5280MHz_Chain 1



802.11ac20_5320MHz_Chain 1

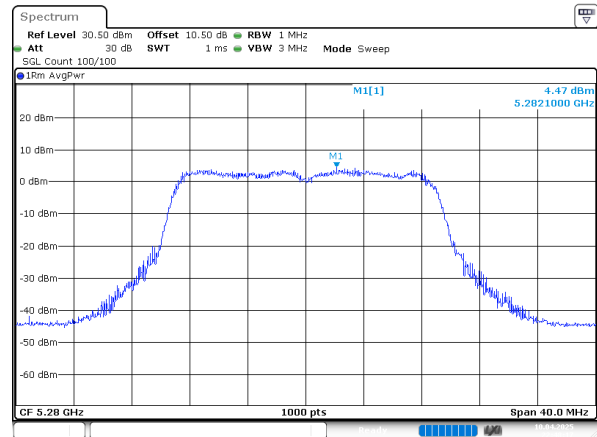


802.11ac20_5260MHz_Chain 2



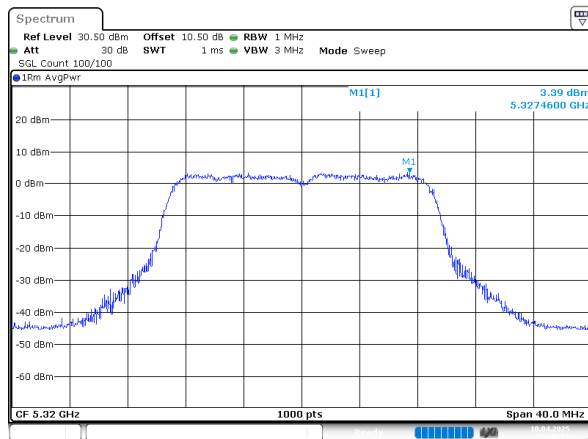
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Date: 10.APR.2025 22:48:06

802.11ac20_5280MHz_Chain 2



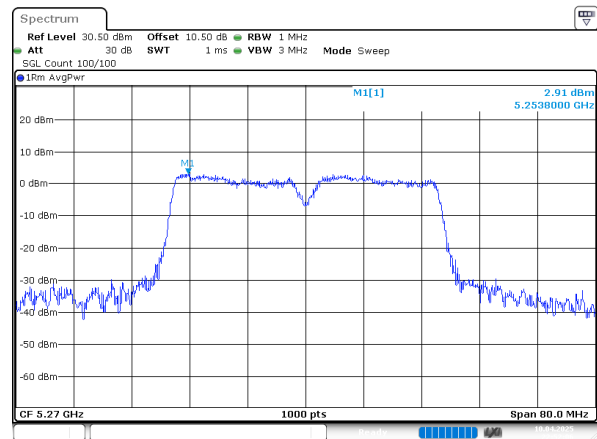
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802.11ac20_5320MHz_Chain 2



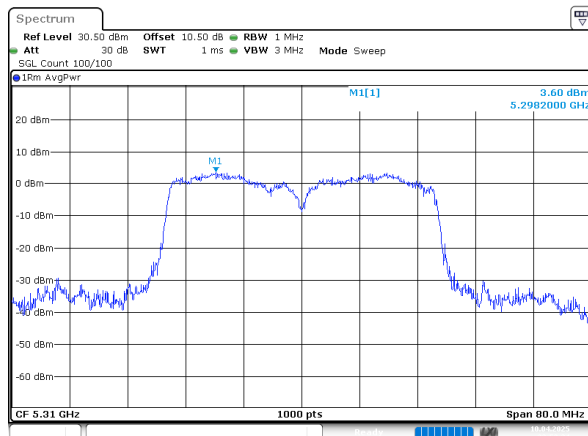
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802.11ac40_5270MHz_Chain 0



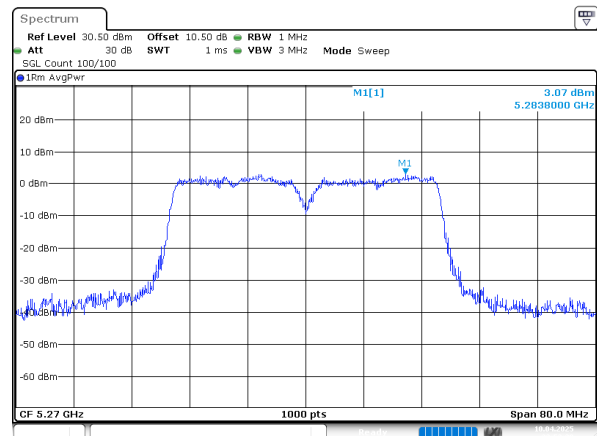
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802.11ac40_5310MHz_Chain 0



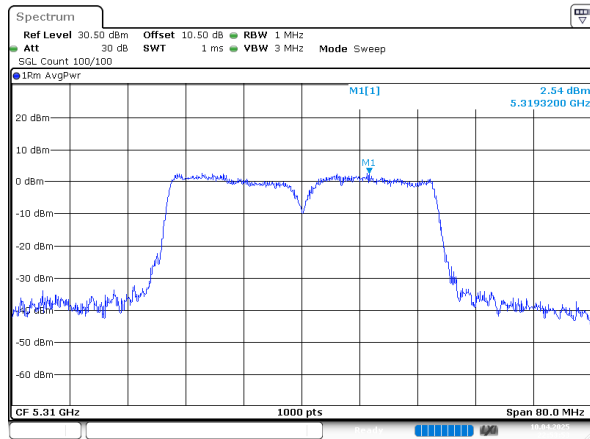
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Date: 10.APR.2025 22:52:24

802.11ac40_5270MHz_Chain 1



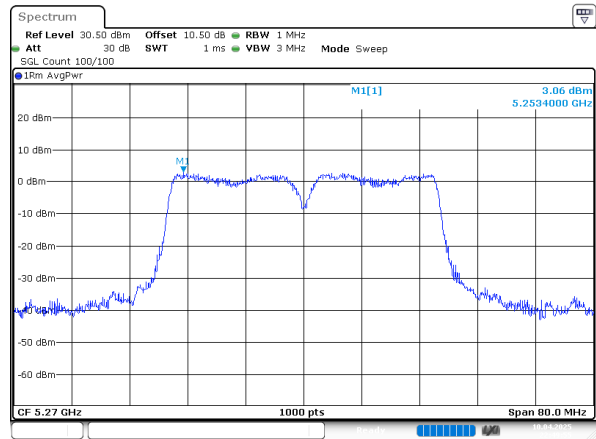
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802.11ac40_5310MHz_Chain 1



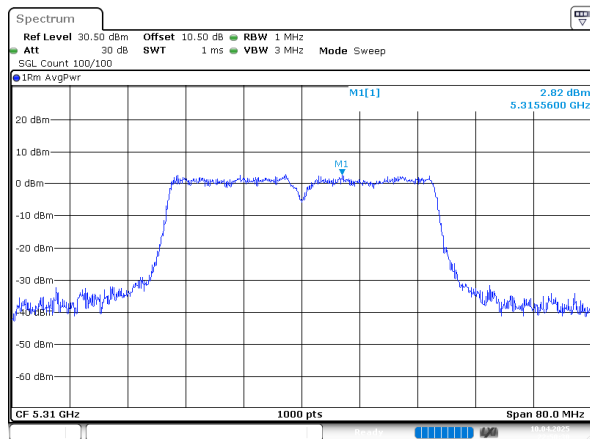
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802.11ac40_5270MHz_Chain 2



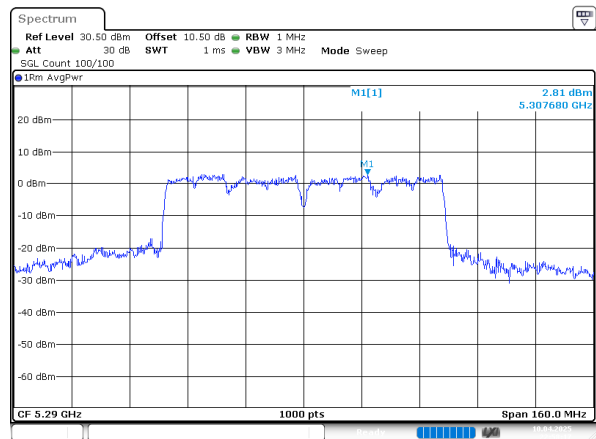
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802.11ac40_5310MHz_Chain 2



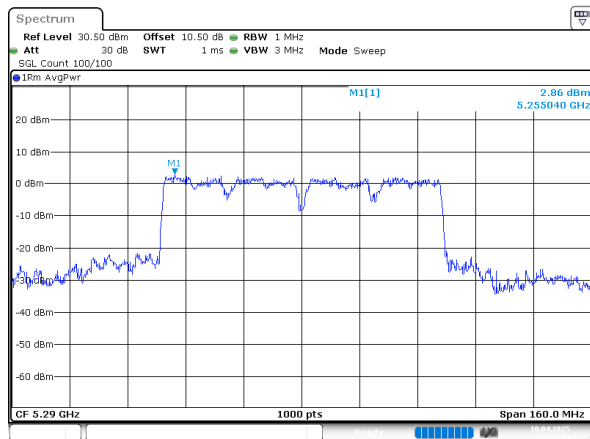
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Date: 10.APR.2025 22:50:30

802.11ac80_5290MHz_Chain 0



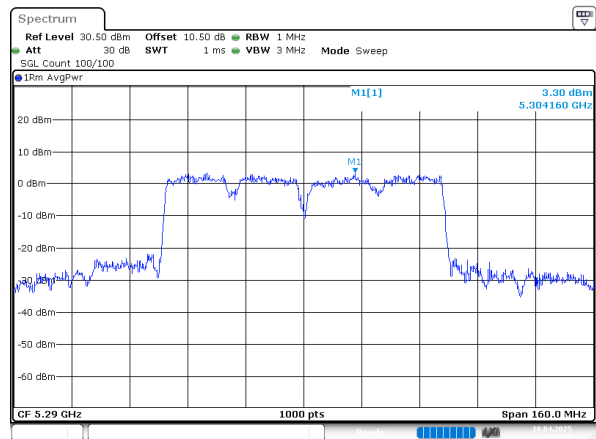
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Date: 10.APR.2025 22:50:18

802.11ac80_5290MHz_Chain 1



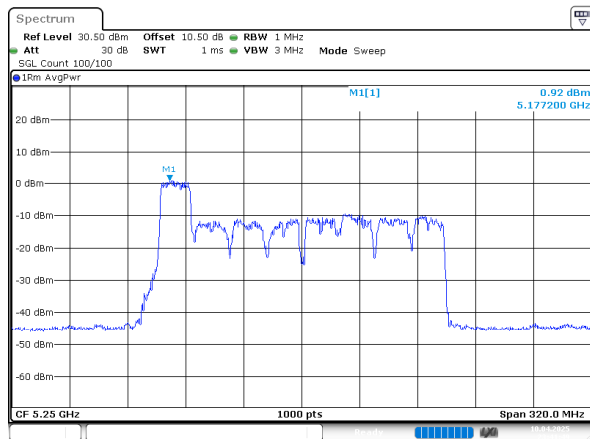
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802.11ac80_5290MHz_Chain 2



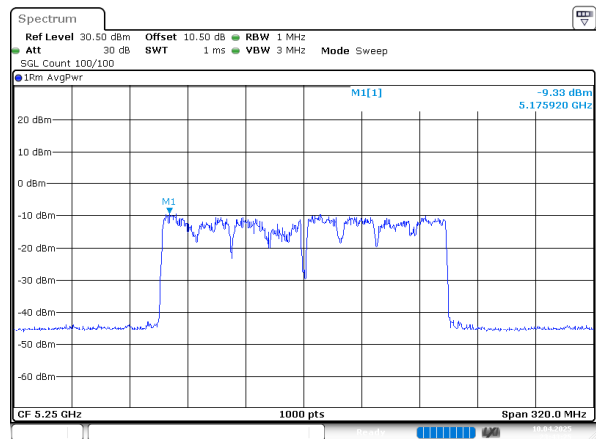
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802.11ac160_5250MHz_Chain 0



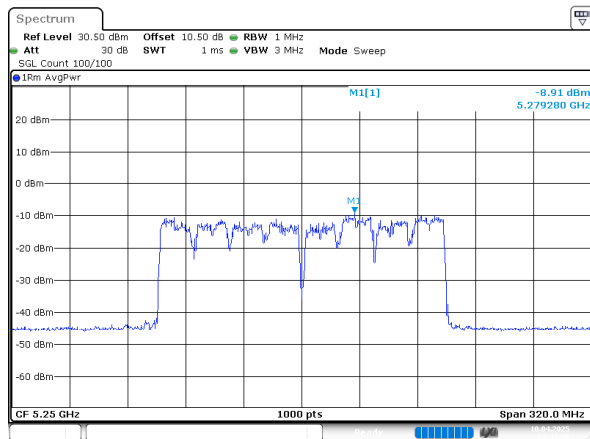
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802.11ac160_5250MHz_Chain 1



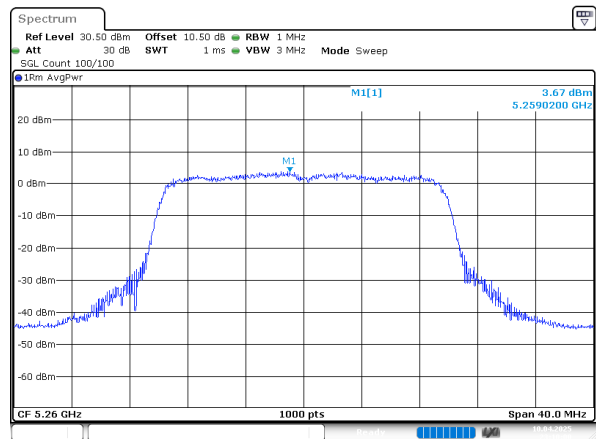
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Date: 10.APR.2025 23:43:25

802.11ac160_5250MHz_Chain 2



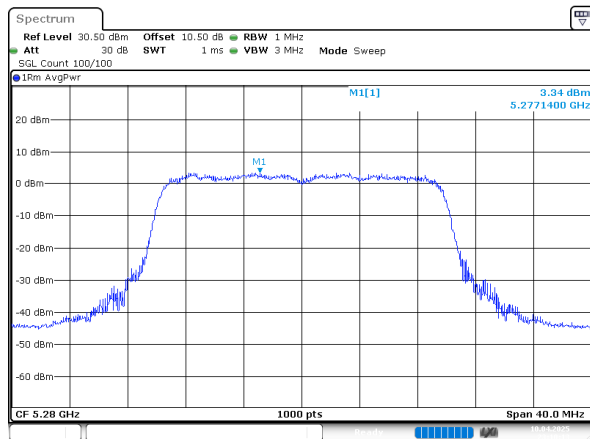
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802.11ax20_5260MHz_RU_Full_Chain 0



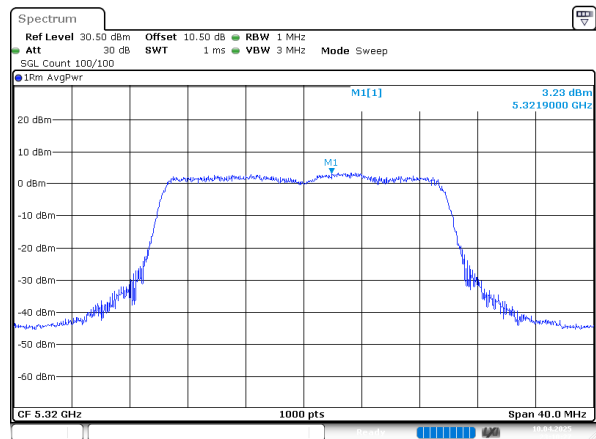
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Date: 10.APR.2025 23:10:00

802.11ax20_5280MHz_RU_Full_Chain 0



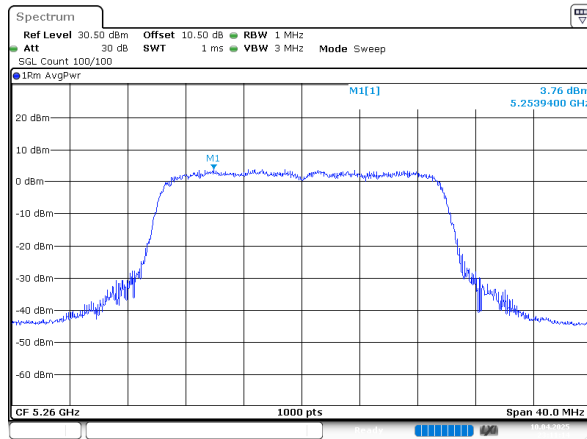
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802.11ax20_5320MHz_RU_Full_Chain 0

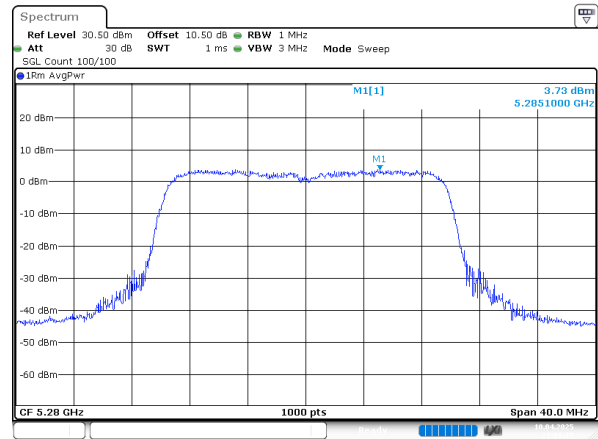


ProjectNo.:2402Z107520E-RF Tester:Karl Liang
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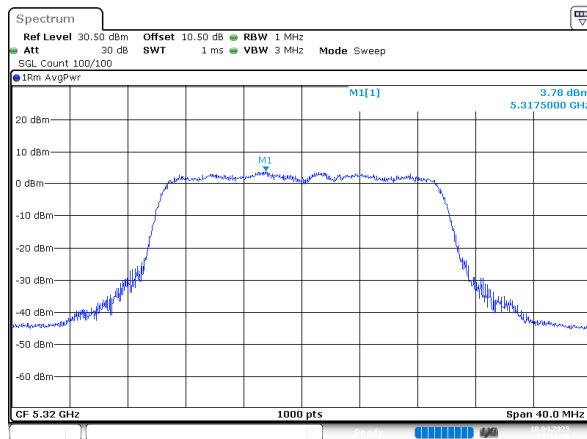
802.11ax20_5260MHz_RU_Full_Chain 1



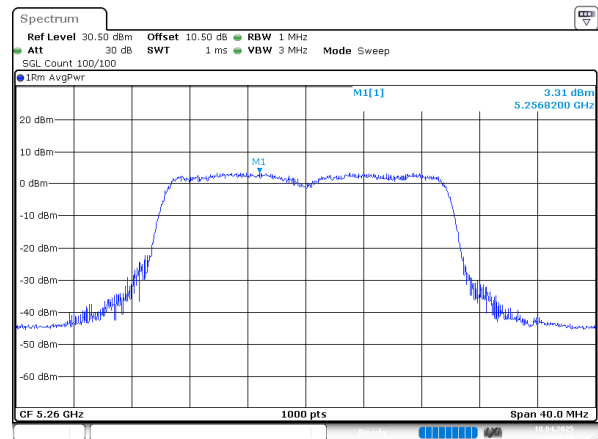
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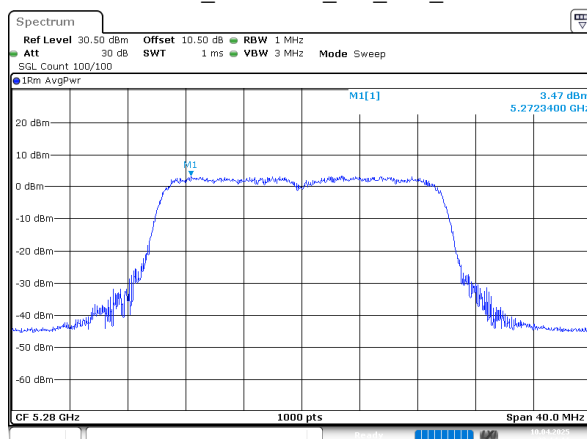
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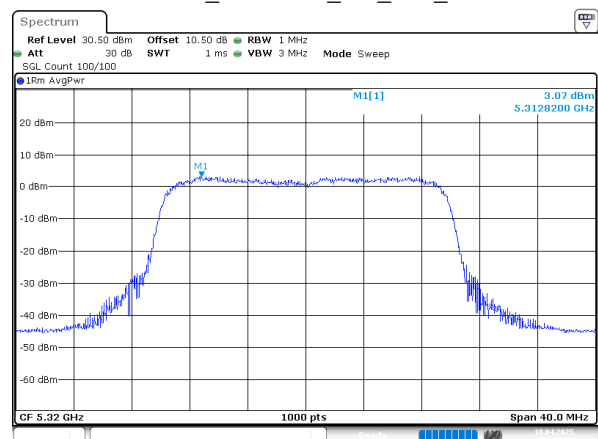
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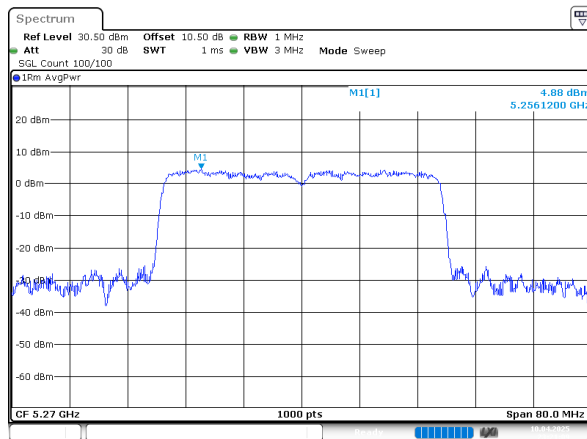
802.11ax20_5280MHz_RU_Full_Chain 2



802.11ax20_5320MHz_RU_Full_Chain 2

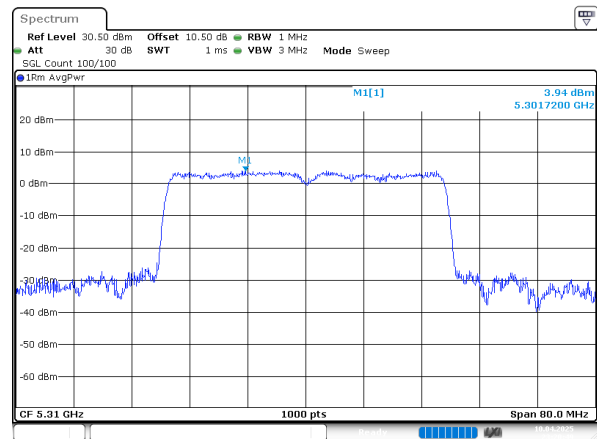


802.11ax40_5270MHz_RU_Full_Chain 0



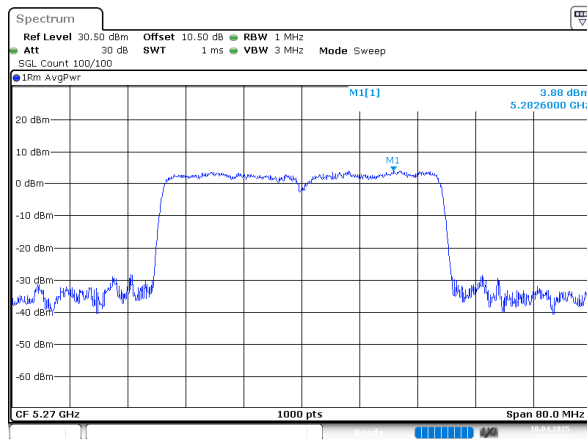
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802.11ax40_5310MHz_RU_Full_Chain 0



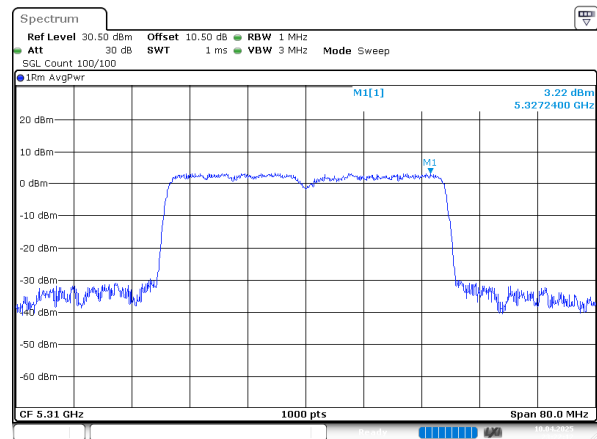
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802.11ax40_5270MHz_RU_Full_Chain 1



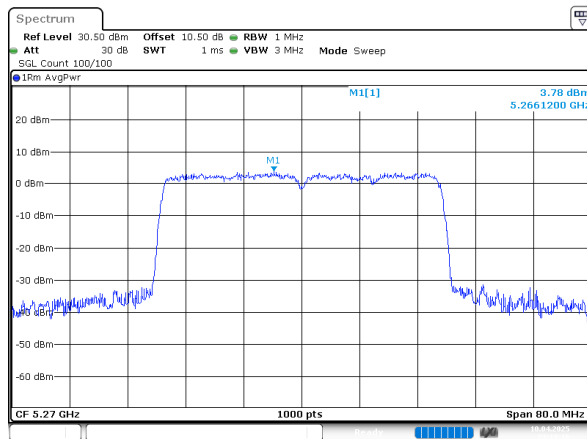
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802.11ax40_5310MHz_RU_Full_Chain 1



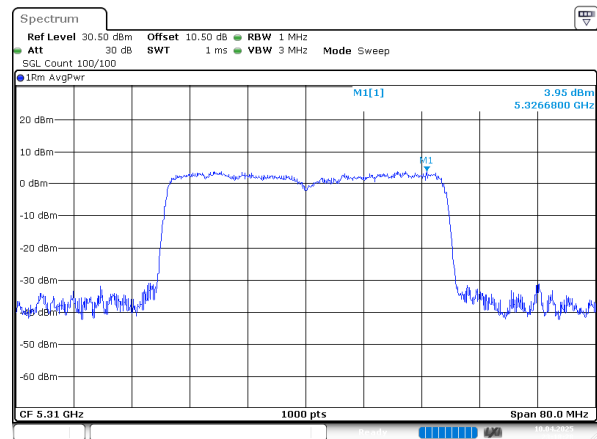
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802.11ax40_5270MHz_RU_Full_Chain 2



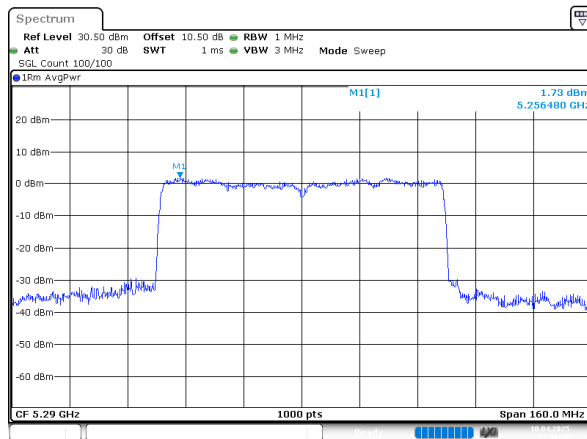
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 23:18:17

802.11ax40_5310MHz_RU_Full_Chain 2

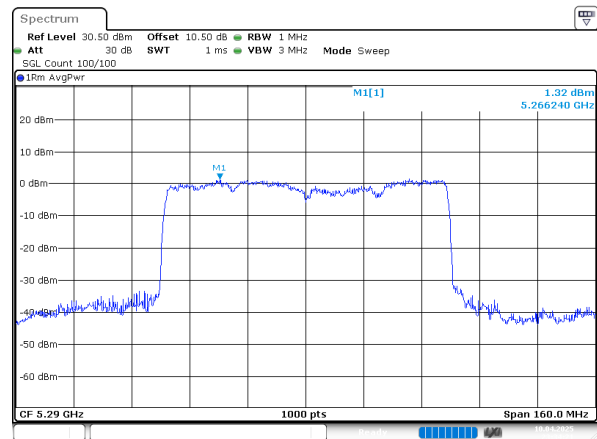


ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 10.APR.2025 23:18:28

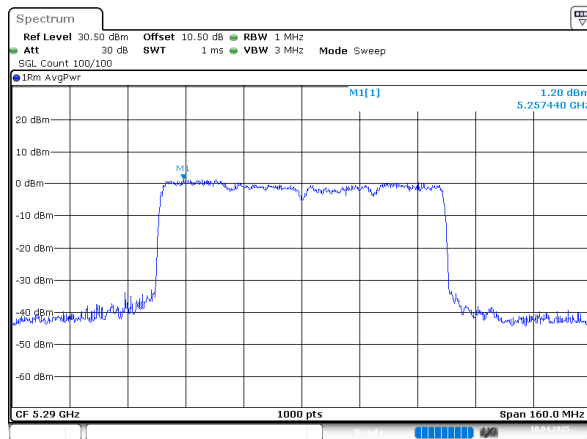
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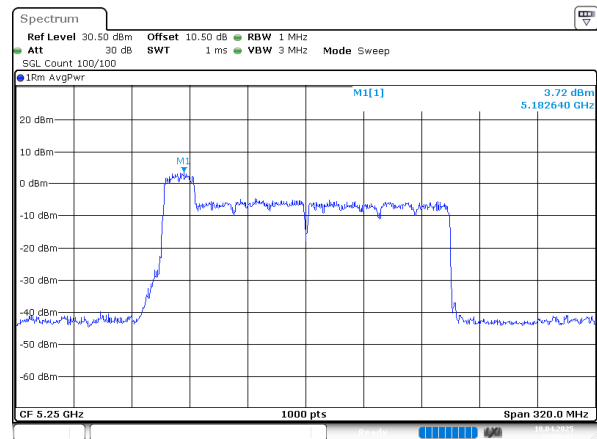
802.11ax80_5290MHz_RU_Full_Chain 1



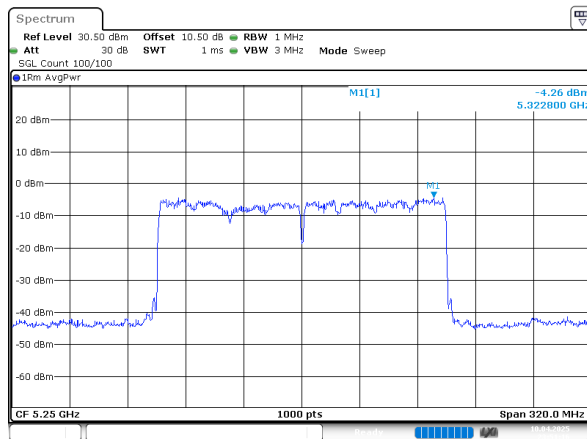
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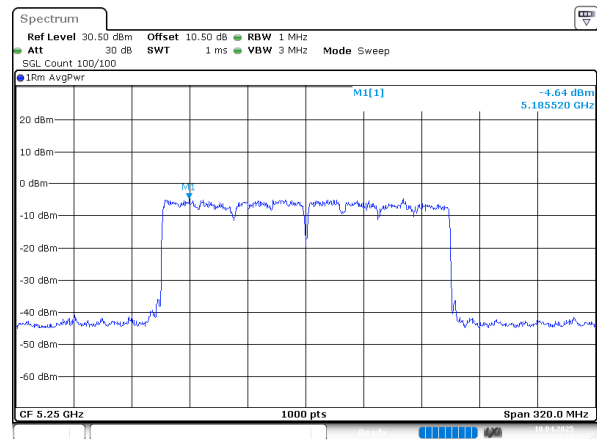
802.11ax160_5250MHz_RU_Full_Chain 0



802.11ax160_5250MHz_RU_Full_Chain 1

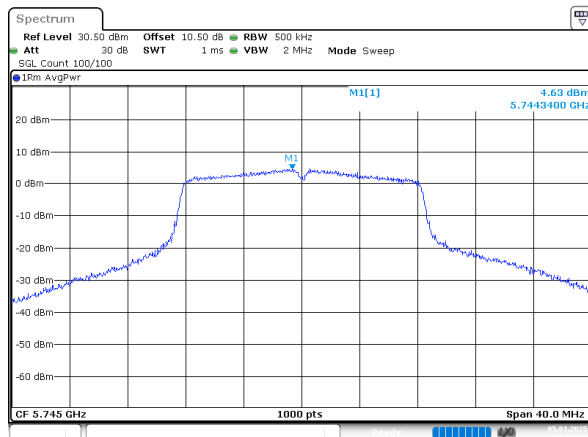


802.11ax160_5250MHz_RU_Full_Chain 2



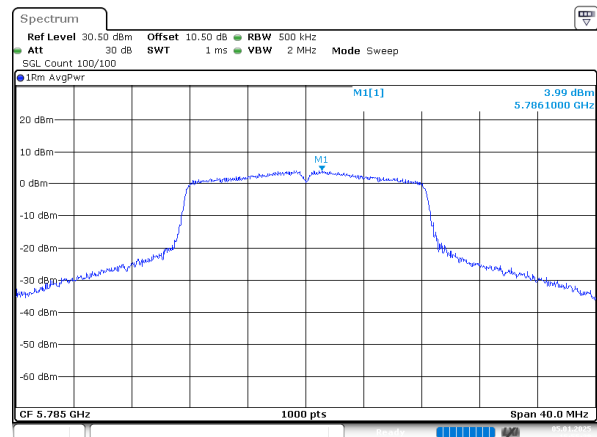
5725-5850MHz

802.11a_5745MHz_Chain 0



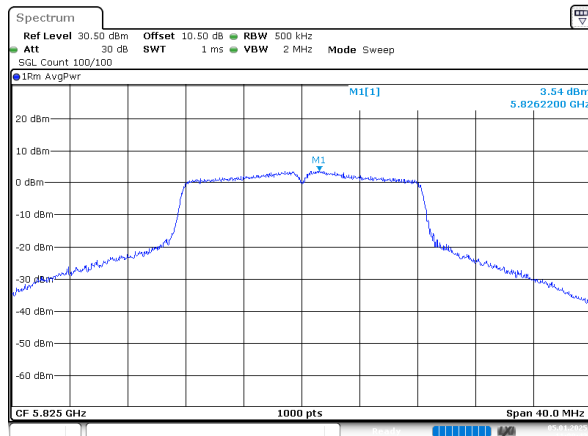
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Date: 5.JAN.2025 15:53:47

802.11a_5785MHz_Chain 0



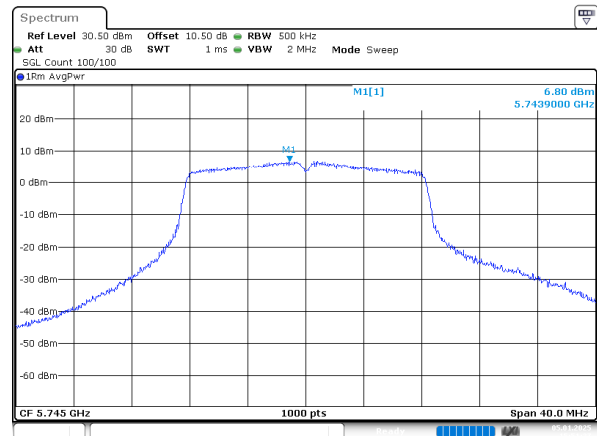
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Date: 5.JAN.2025 15:55:28

802.11a_5825MHz_Chain 0



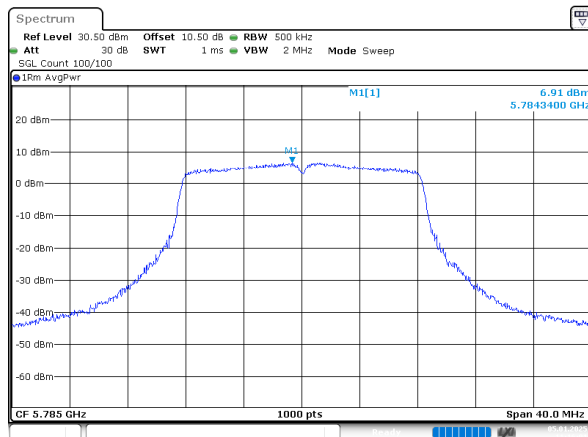
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Date: 5.JAN.2025 11:09:43

802.11a_5745MHz_Chain 1



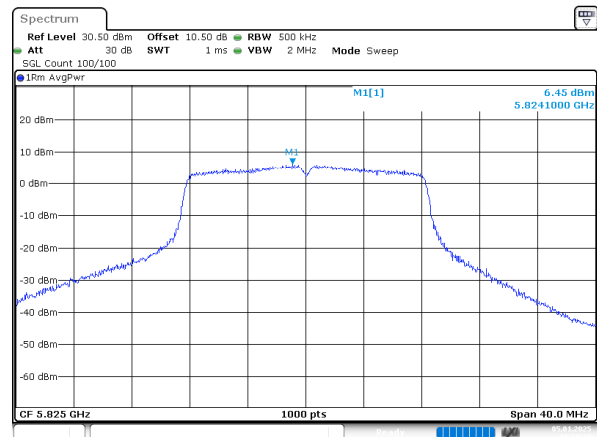
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802.11a_5785MHz_Chain 1



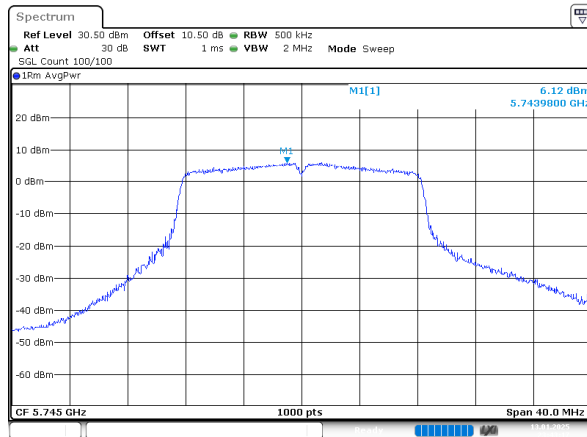
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Date: 5.JAN.2025 11:16:01

802.11a_5825MHz_Chain 1



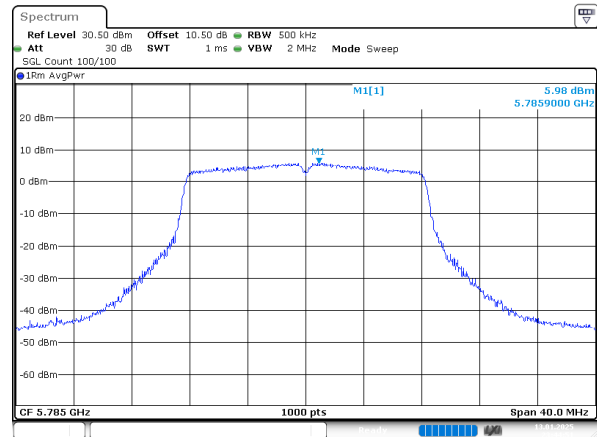
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802.11a_5745MHz_Chain 2



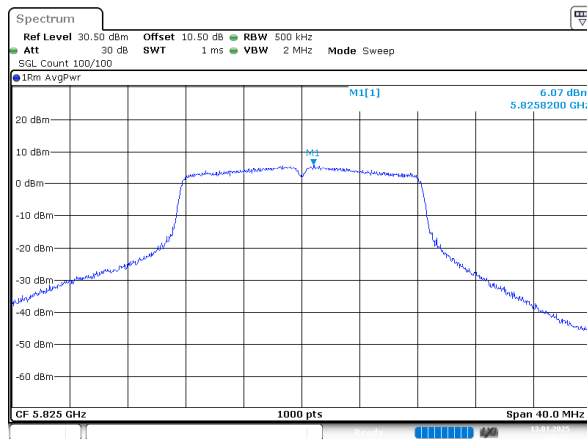
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802.11a_5785MHz_Chain 2



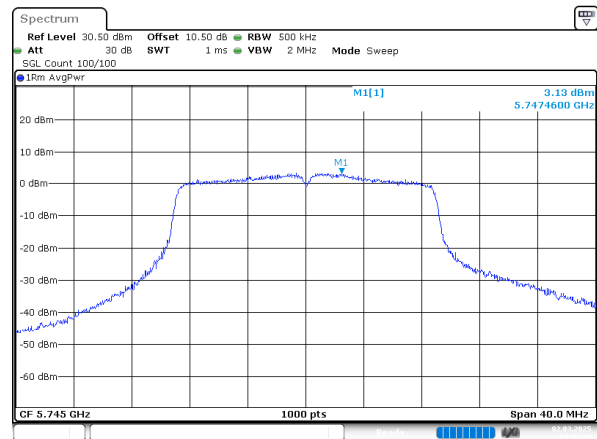
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802.11a_5825MHz_Chain 2



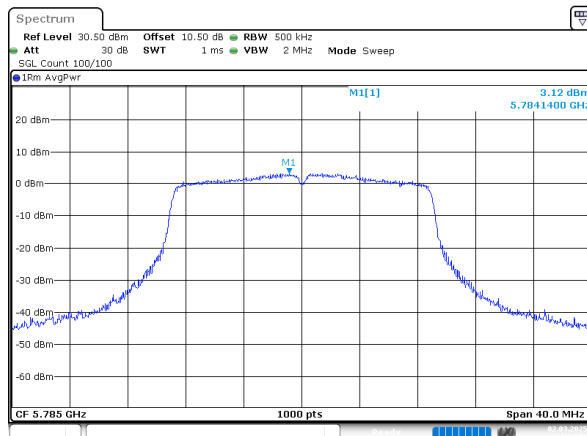
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Date: 13.JAN.2025 23:46:26

802.11n20_5745MHz_Chain 0



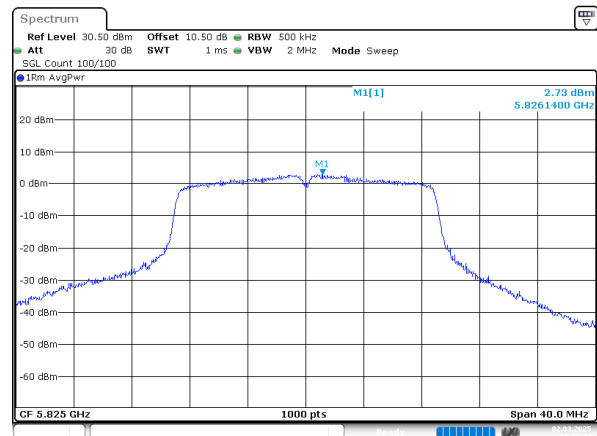
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Date: 2.MAR.2025 14:42:24

802.11n20_5785MHz_Chain 0



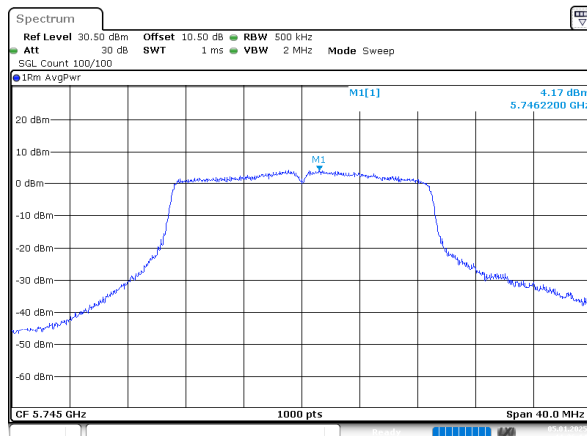
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802.11n20_5825MHz_Chain 0



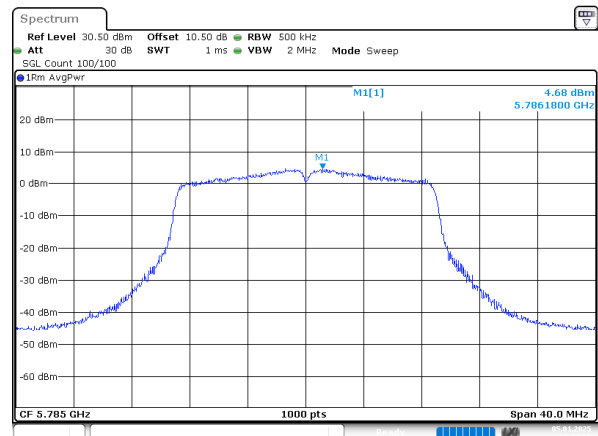
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802.11n20_5745MHz_Chain 1



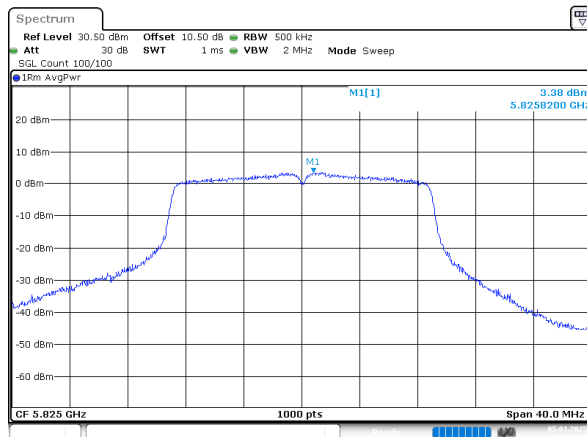
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802.11n20_5785MHz_Chain 1



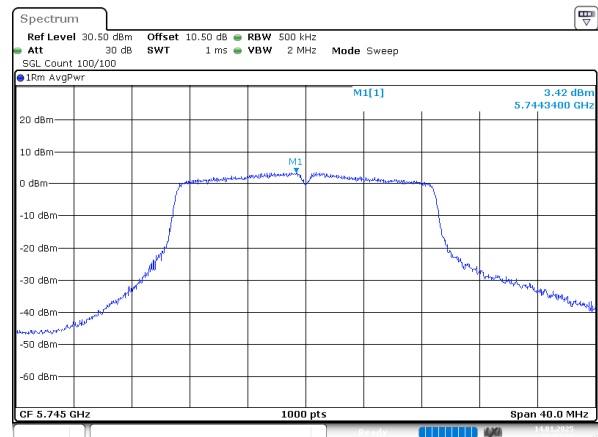
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802.11n20_5825MHz_Chain 1



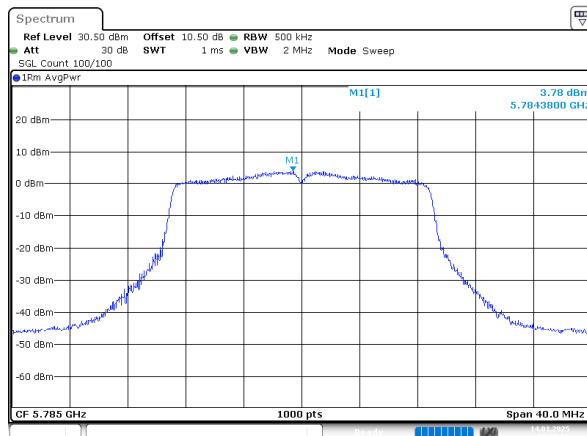
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 5.JAN.2025 11:29:39

802.11n20_5745MHz_Chain 2



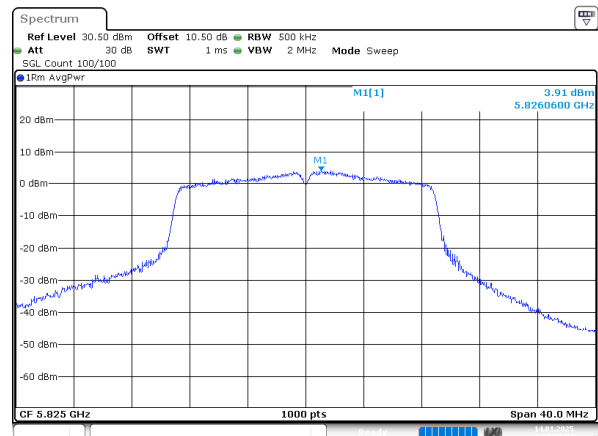
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Date: 14.JAN.2025 00:04:29

802.11n20_5785MHz_Chain 2



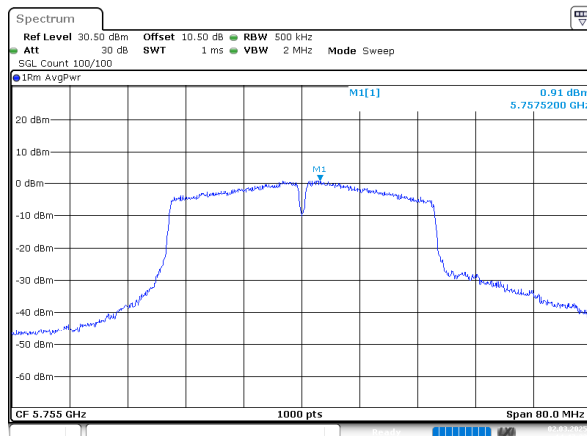
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 14.JAN.2025 00:05:56

802.11n20_5825MHz_Chain 2



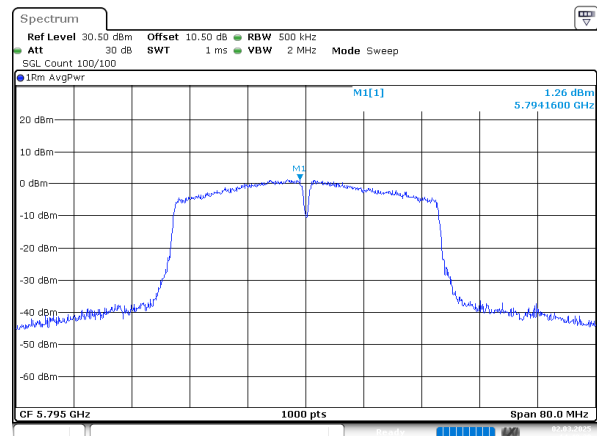
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 14.JAN.2025 00:07:07

802.11n40_5755MHz_Chain 0



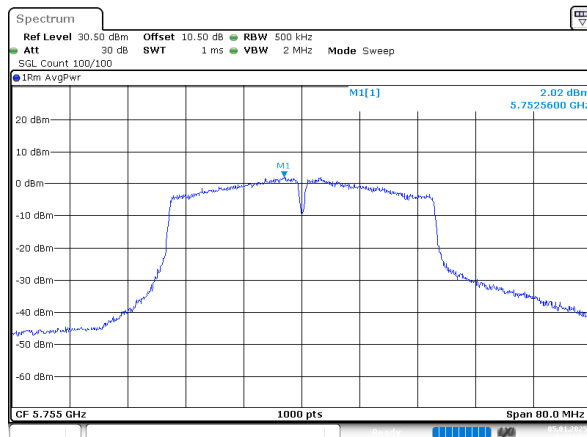
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Date: 2.MAR.2025 14:47:33

802.11n40_5795MHz_Chain 0



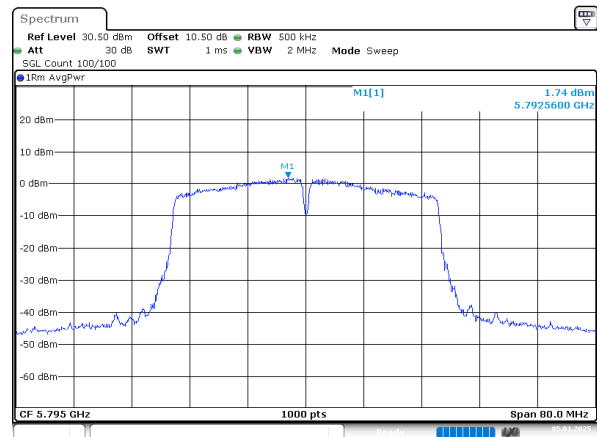
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Date: 2.MAR.2025 14:48:30

802.11n40_5755MHz_Chain 1



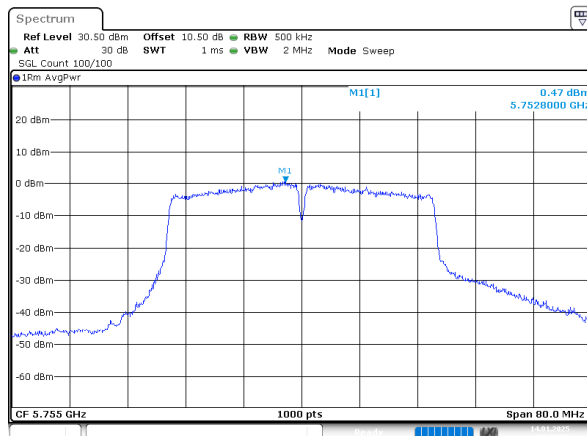
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Date: 5.JAN.2025 11:44:53

802.11n40_5795MHz_Chain 1



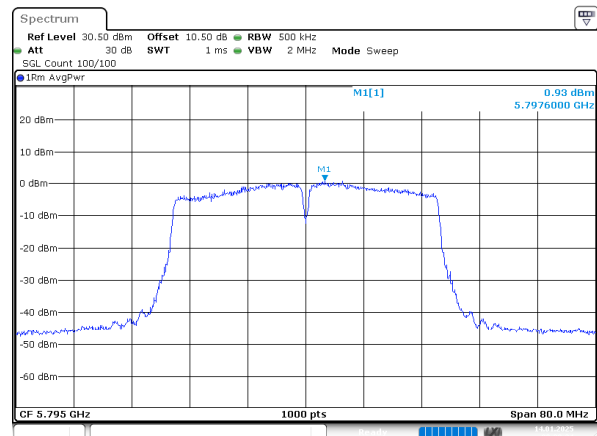
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Date: 5.JAN.2025 11:45:45

802.11n40_5755MHz_Chain 2



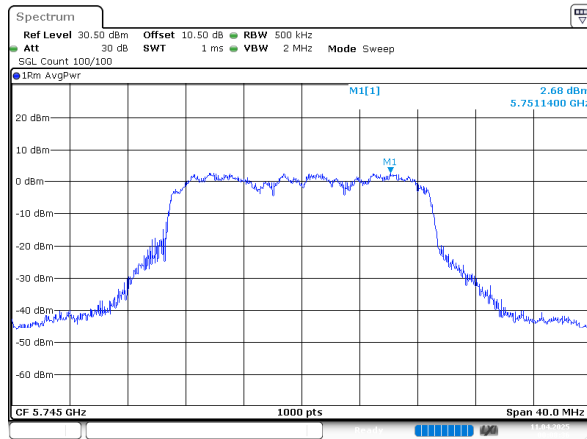
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 14.JAN.2025 00:08:35

802.11n40_5795MHz_Chain 2



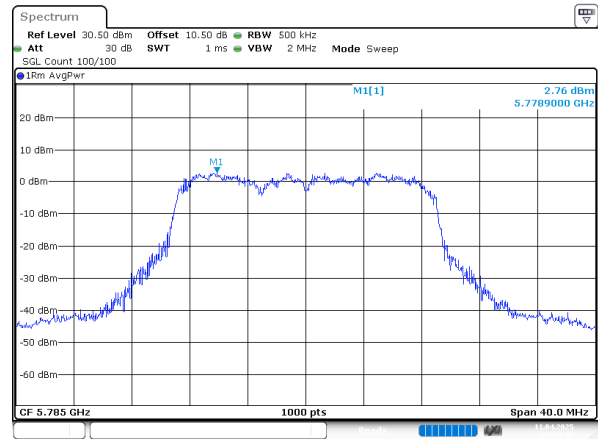
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802.11ac20_5745MHz_Chain 0



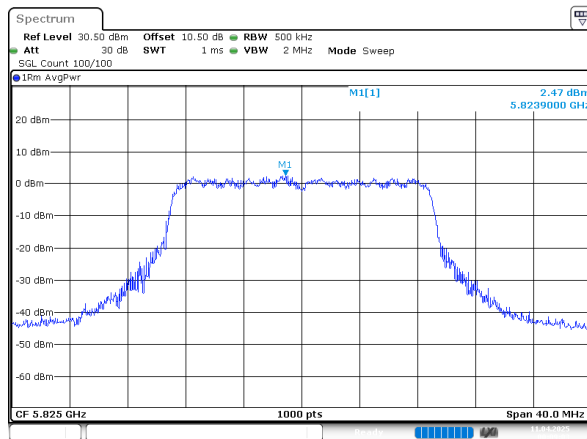
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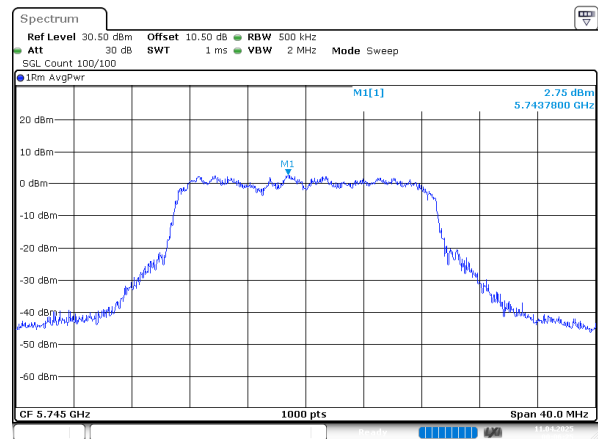
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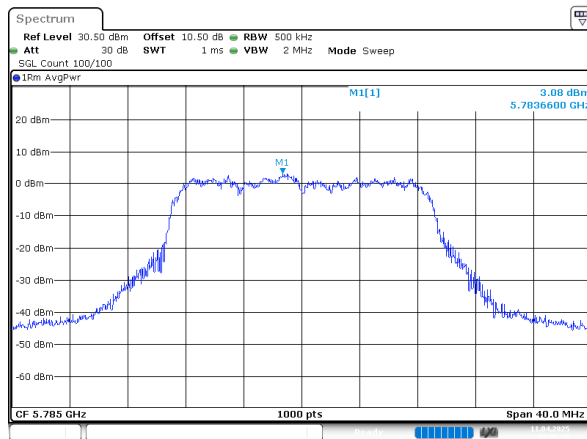
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802.11ac20_5745MHz_Chain 1



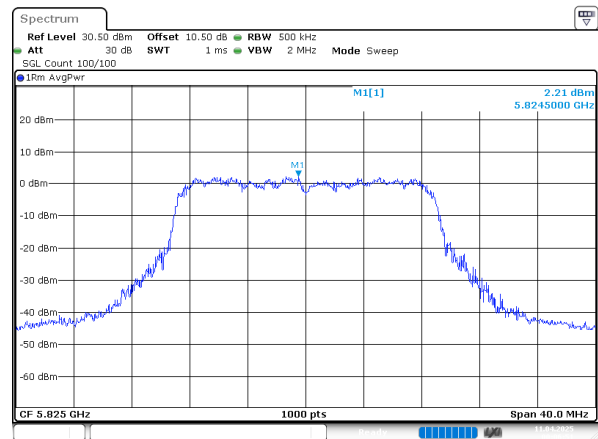
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Date: 11.APR.2025 00:06:25

802.11ac20_5785MHz_Chain 1



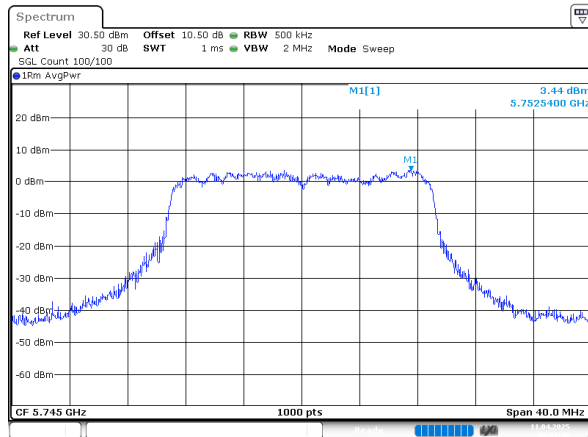
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802.11ac20_5825MHz_Chain 1



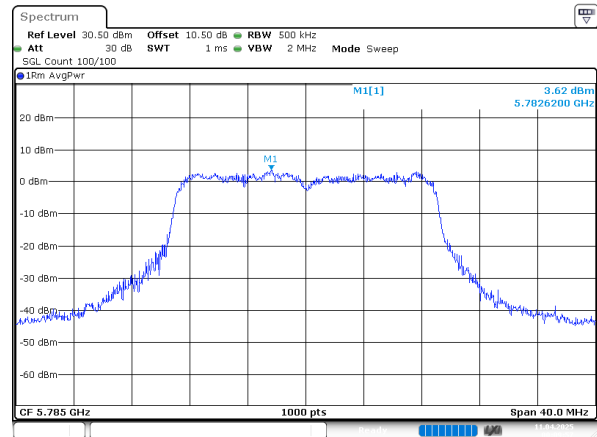
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Date: 11.APR.2025 00:06:51

802.11ac20_5745MHz_Chain 2



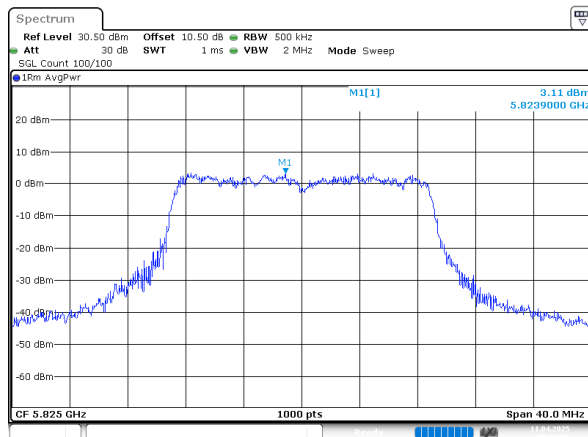
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802.11ac20_5785MHz_Chain 2



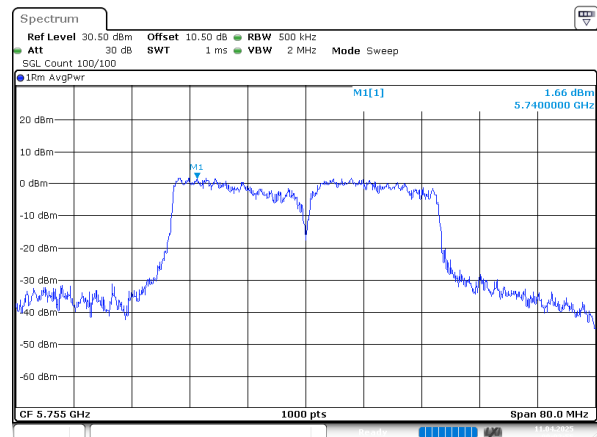
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Date: 11.APR.2025 00:09:57

802.11ac20_5825MHz_Chain 2



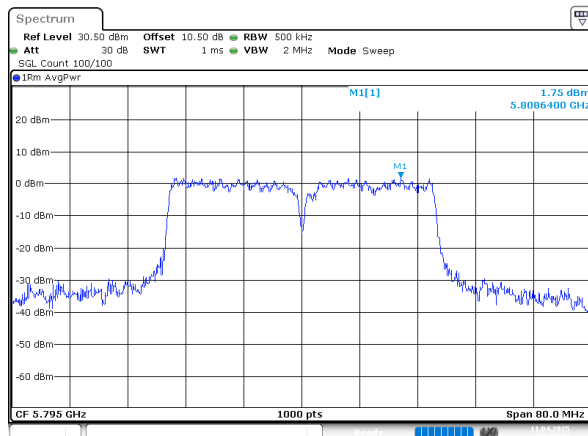
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Date: 11.APR.2025 00:10:07

802.11ac40_5755MHz_Chain 0



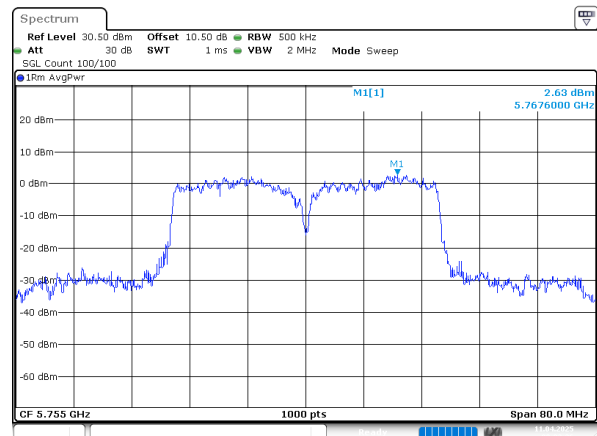
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Date: 11.APR.2025 00:02:56

802.11ac40_5795MHz_Chain 0



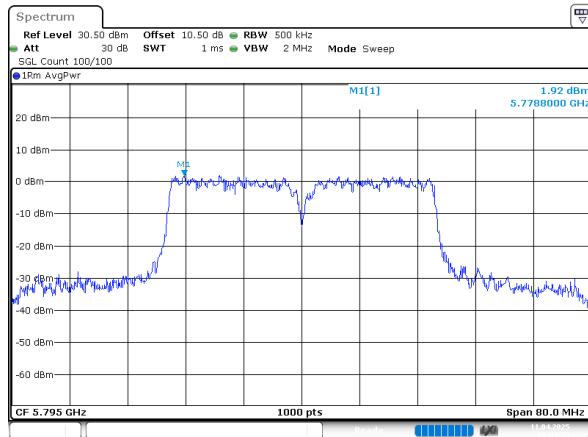
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802.11ac40_5755MHz_Chain 1



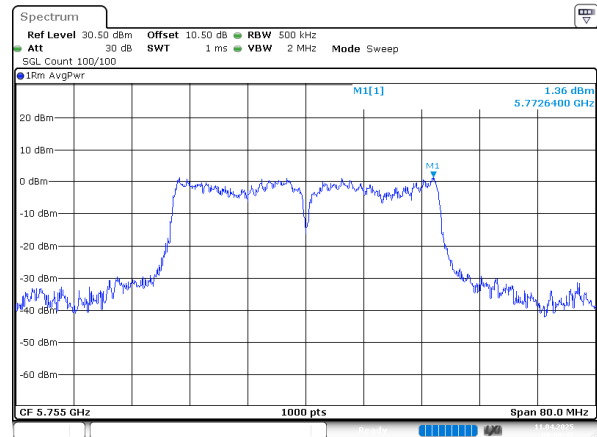
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Date: 11.APR.2025 00:03:37

802.11ac40_5795MHz_Chain 1



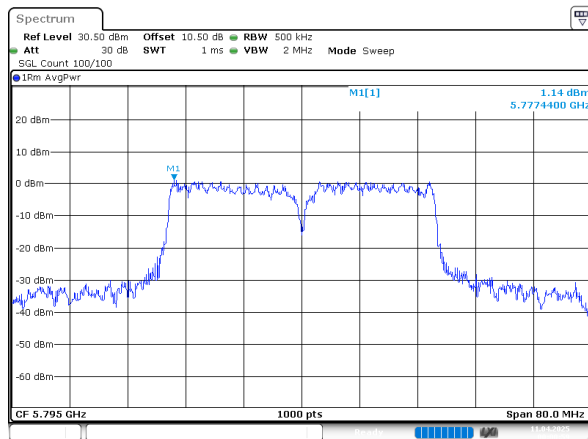
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Date: 11.APR.2025 00:03:55

802.11ac40_5755MHz_Chain 2



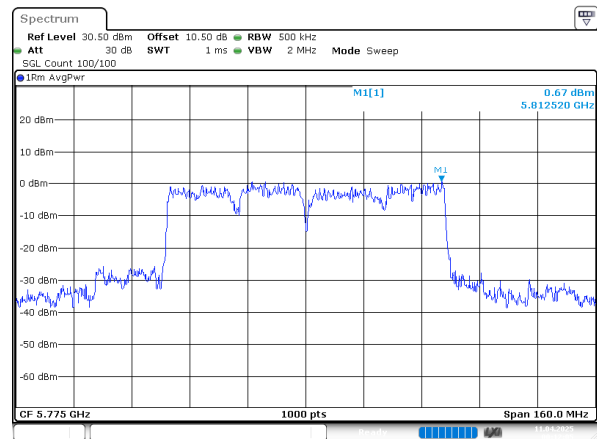
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802.11ac40_5795MHz_Chain 2



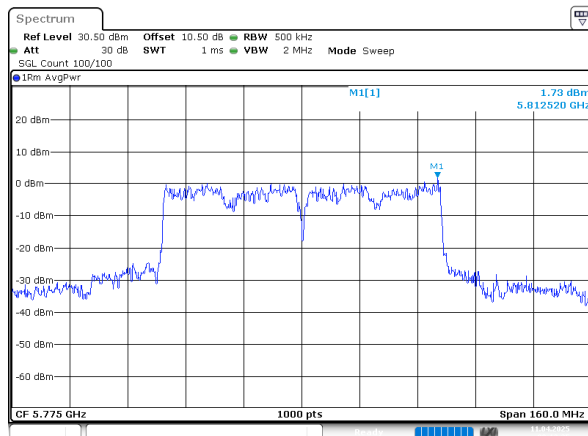
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Date: 11.APR.2025 00:00:59

802.11ac80_5775MHz_Chain 0



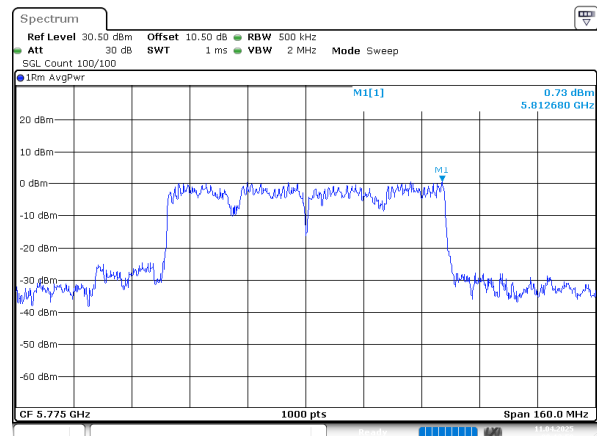
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 11.APR.2025 00:12:06

802.11ac80_5775MHz_Chain 1



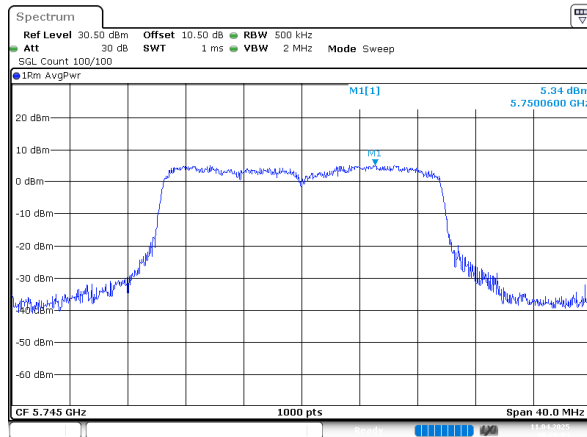
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Date: 11.APR.2025 00:12:35

802.11ac80_5775MHz_Chain 2

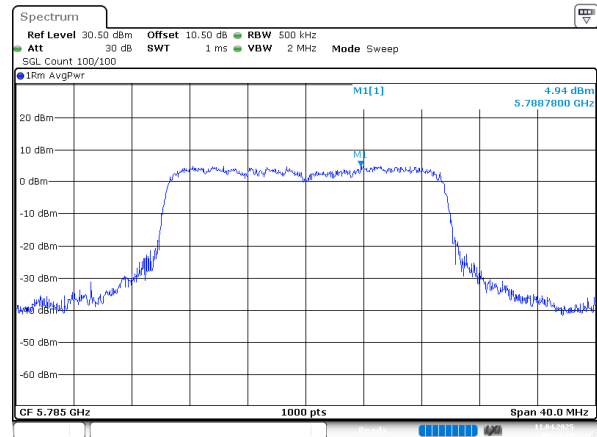


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Date: 11.APR.2025 00:12:58

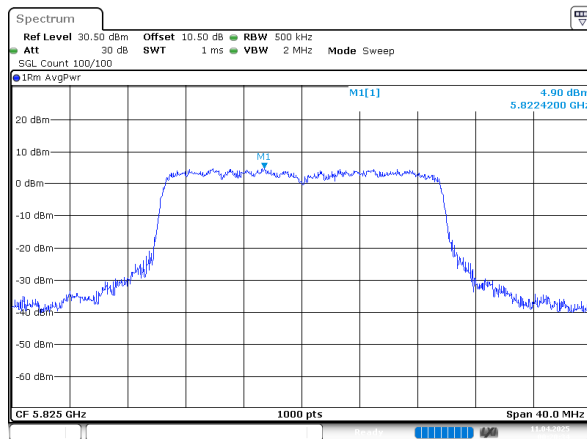
802.11ax20_5745MHz_RU_Full_Chain 0



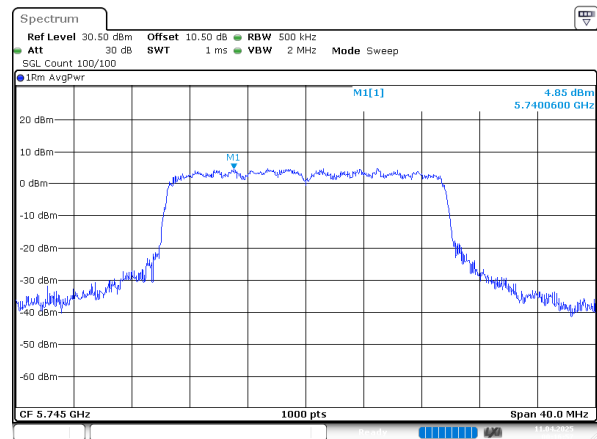
802.11ax20_5785MHz_RU_Full_Chain 0



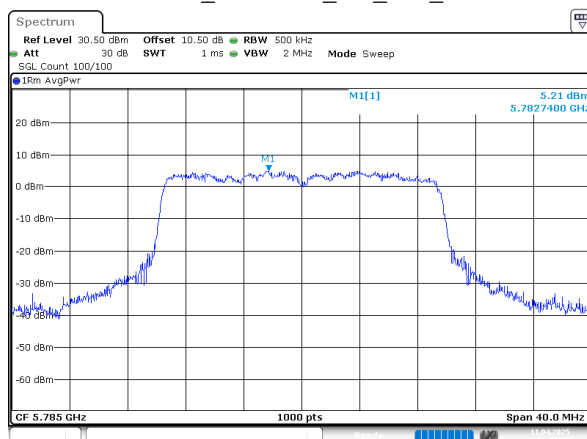
802.11ax20_5825MHz_RU_Full_Chain 0



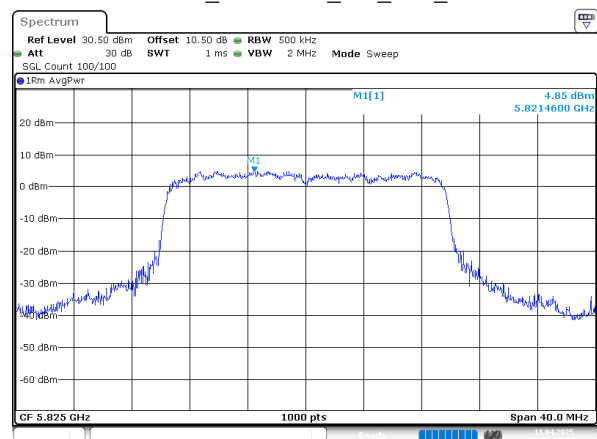
802.11ax20_5745MHz_RU_Full_Chain 1



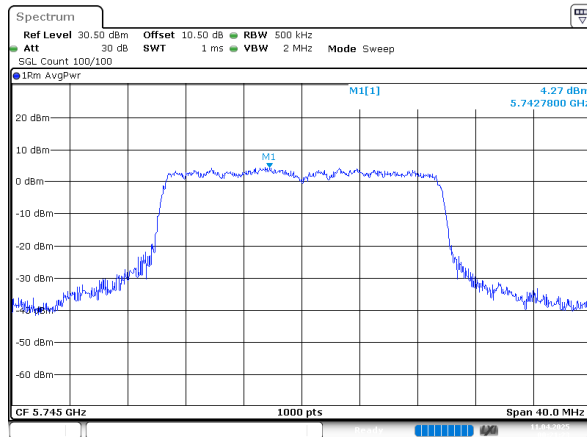
802.11ax20_5785MHz_RU_Full_Chain 1



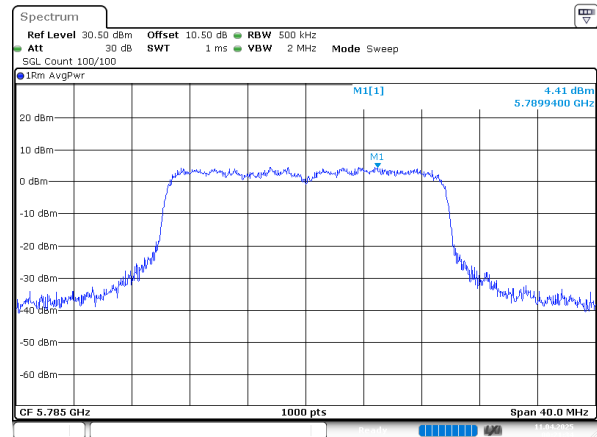
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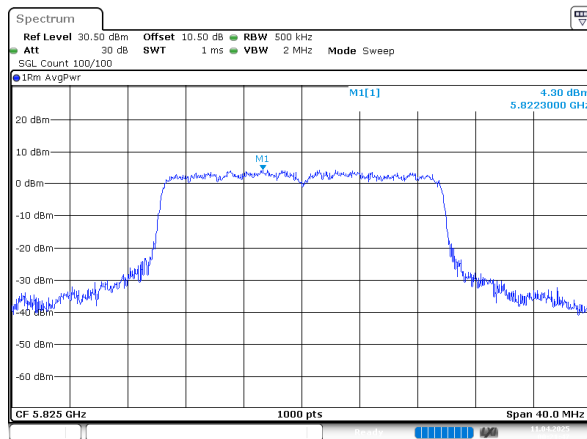
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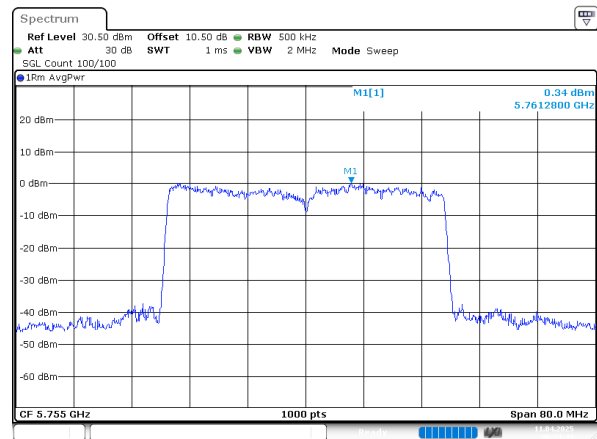
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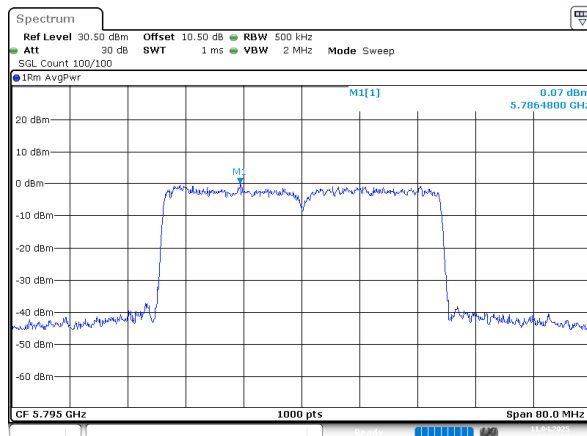
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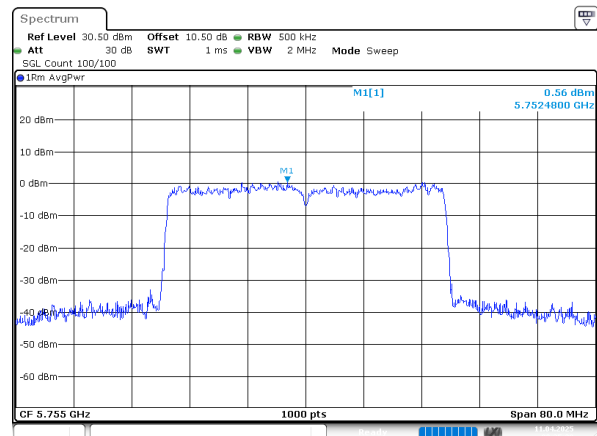
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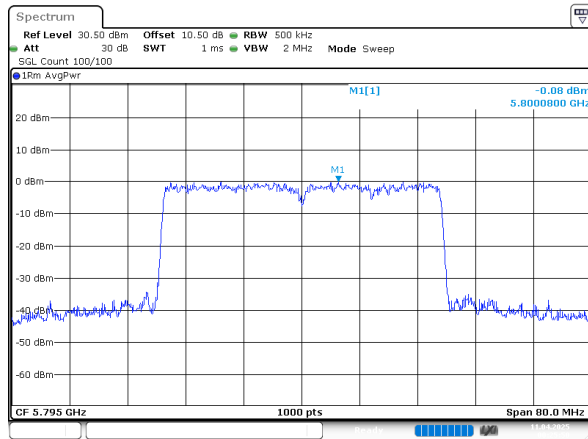
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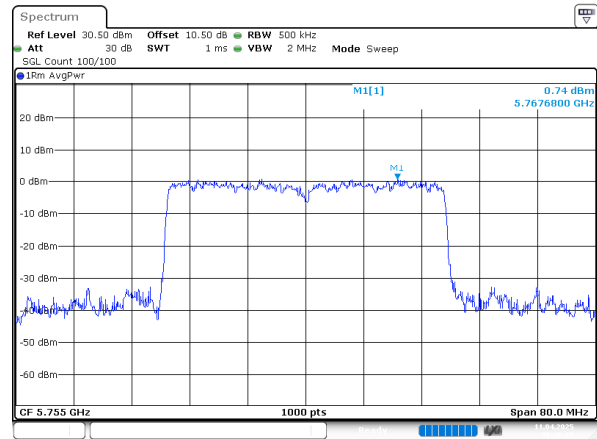
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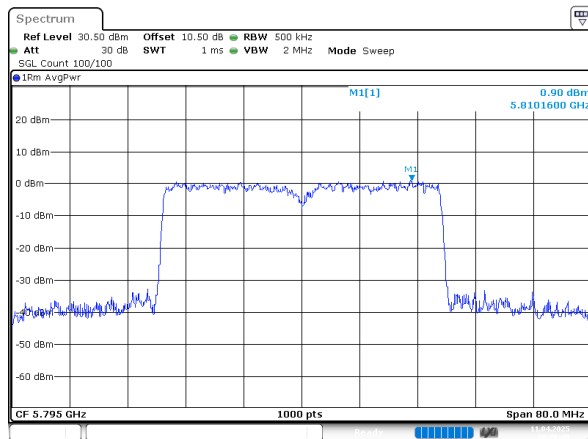
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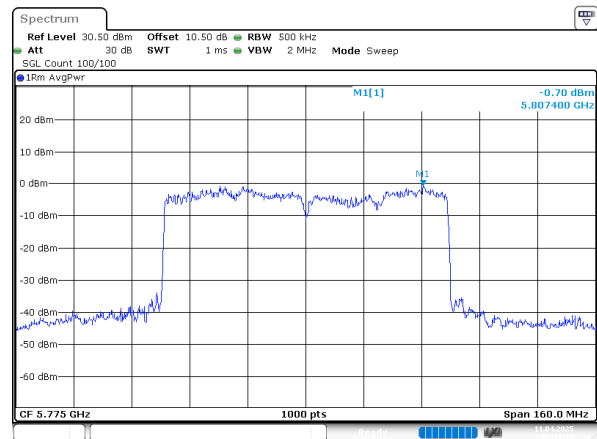
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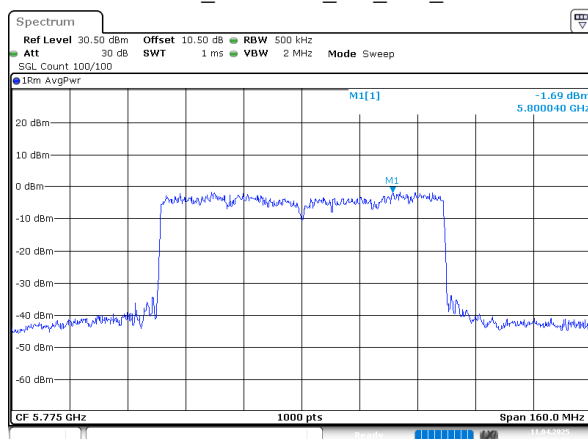
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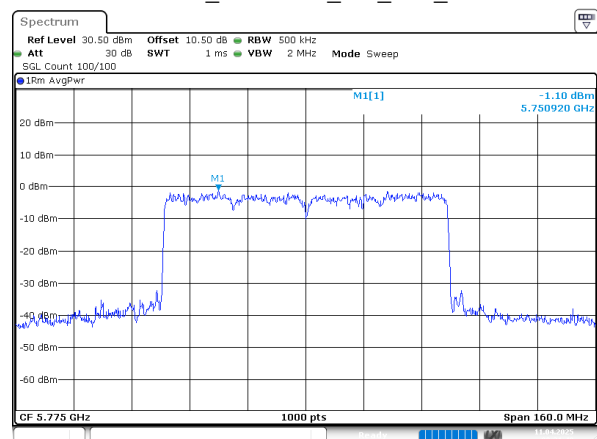
802.11ax80_5775MHz_RU_Full_Chain 0



802.11ax80_5775MHz_RU_Full_Chain 1



802.11ax80_5775MHz_RU_Full_Chain 2



5.7 Duty Cycle

Test Information:

Serial No.:	2V91-1	Test Date:	2025/01/03~2025/02/28
Test Site:	RF	Test Mode:	Transmitting
Tester:	Karl Liang	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	19.2~24.8	Relative Humidity: (%)	26~65	ATM Pressure: (kPa)	100.9~102.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM502	2024/06/07	2025/06/06
R&S	Spectrum Analyzer	FSV40	101461	2024/09/05	2025/09/04

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

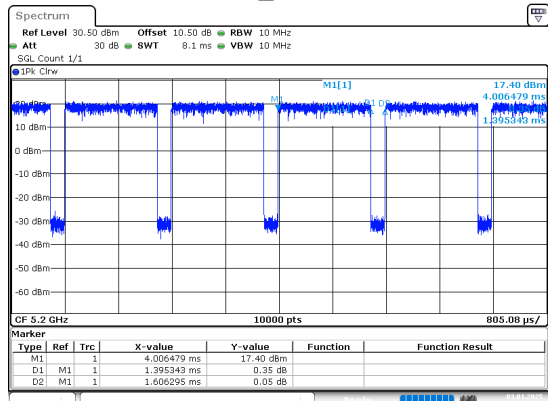
Test Data:

Test only was performed at Chain 1.

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	1.395	1.606	86.86	0.61	717	1
802.11n20	5200	0.675	0.885	76.27	1.18	1481	2
802.11n40	5190	0.348	0.557	62.48	2.04	2874	3
802.11ac20	5200	1.311	1.358	96.54	0.15	763	1
802.11ac40	5190	0.651	0.696	93.53	0.29	1536	2
802.11ac80	5210	0.324	0.368	88.04	0.55	3086	5
802.11ax20_RU_Full	5200	1.311	1.357	96.61	0.15	763	1
802.11ax40_RU_Full	5190	1.311	1.356	96.68	0.15	763	1
802.11ax80_RU_Full	5210	0.245	0.290	84.48	0.73	4082	5
802.11ac160	5250	0.324	0.369	87.80	0.56	3086	5
802.11ax160_RU_Full	5250	0.323	0.368	87.77	0.57	3096	5

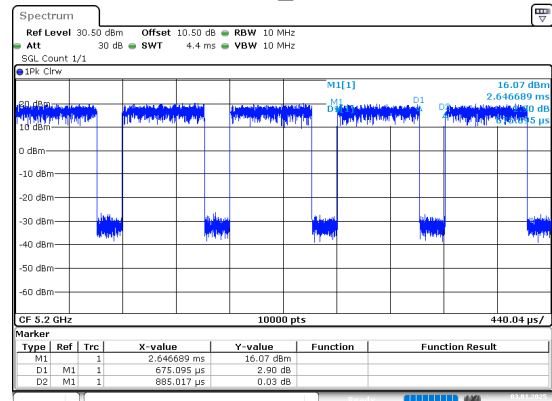
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz



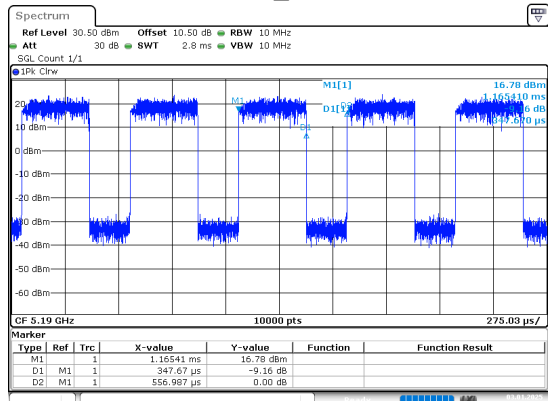
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 3.JAN.2025 19:03:25

802.11n20_5200MHz



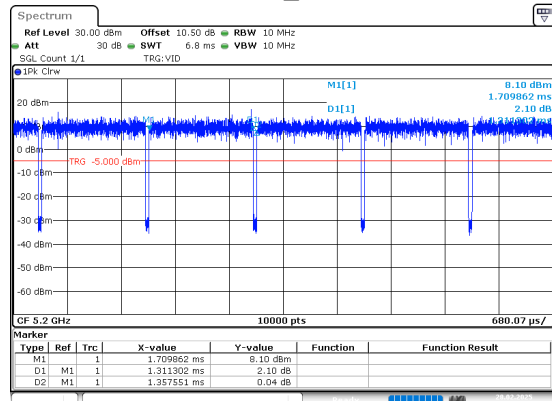
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 3.JAN.2025 20:02:49

802.11n40_5190MHz



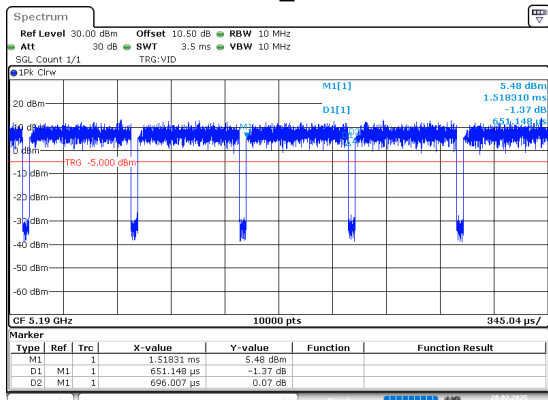
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Date: 3.JAN.2025 20:03:16

802.11ac20_5200MHz



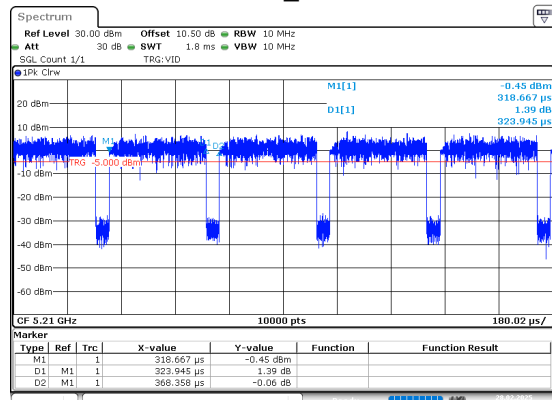
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 26.FEB.2025 20:09:02

802.11ac40_5190MHz



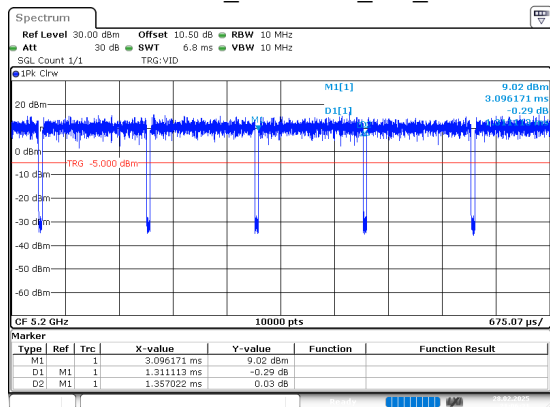
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 26.FEB.2025 21:00:47

802.11ac80_5210MHz



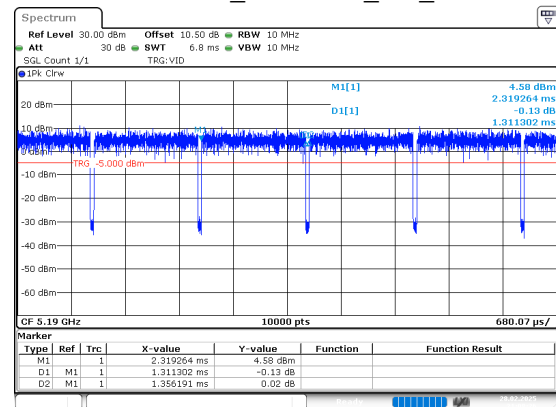
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Date: 26.FEB.2025 21:05:23

802.11ax20_5200MHz_RU_Full



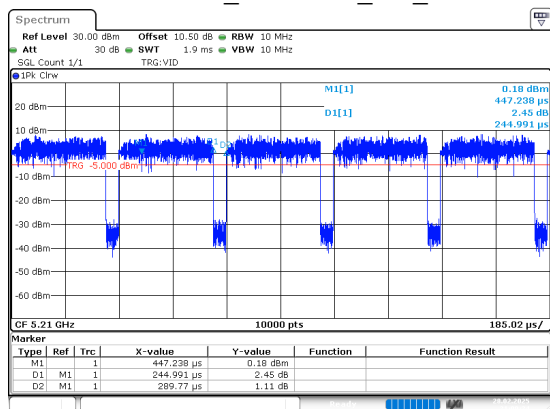
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Date: 28.FEB.2025 21:06:31

802.11ax40_5190MHz_RU_Full



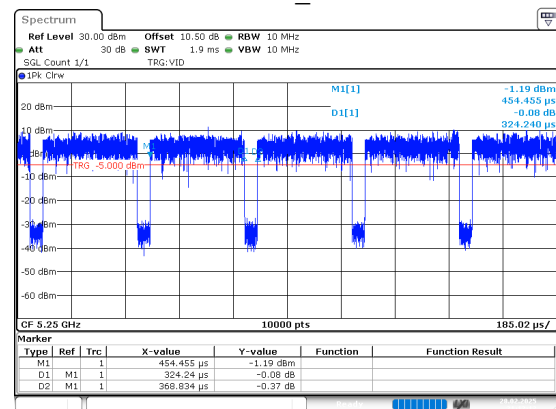
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Date: 28.FEB.2025 21:08:26

802.11ax80_5210MHz_RU_Full



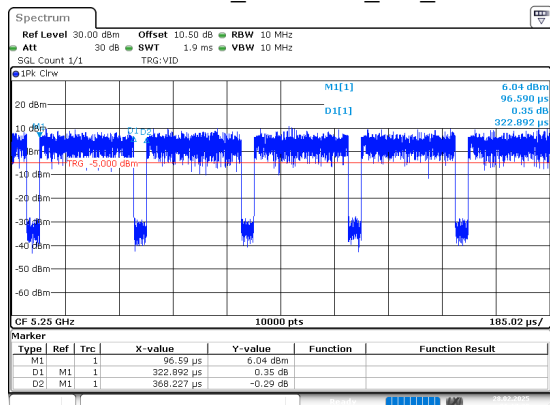
ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 28.FEB.2025 21:09:25

802.11ac160_5250MHz



ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 28.FEB.2025 21:12:13

802.11ax160_5250MHz_RU_Full



ProjectNo.:2402Z107520E-RF Tester:Karl Liang
Date: 28.FEB.2025 21:17:31

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402Z107520E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402Z107520E-RF-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402Z107520E-RF-00B-TSP TEST SETUP PHOTOGRAPHS.

EXHIBIT C - RF EXPOSURE EVALUATION

Maximum Permissible Exposure (MPE)

Applicable Standard

According to subpart §1.1310,15.407(f) systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculation formula:

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculated Data:

Mode	Frequency (MHz)	Antenna Gain		Conducted output power including Tune-up Tolerance [▲]		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G WiFi	2412-2462	7.74	5.94	29	794.33	25.00	0.601	1.0
5G Wifi	5150-5250	8.0	6.31	21.5	141.25	25.00	0.114	1.0
	5250-5350	8.0	6.31	21.5	141.25	25.00	0.114	1.0
	5725-5850	8.15	6.53	22.0	158.49	25.00	0.132	1.0

Note:

The Conducted output power including Tune-up Tolerance provided by manufacturer[▲].
The antenna gain was the maximum directional gain(in beamforming mode).

2.4G WiFi and 5G WiFi can transmit simultaneously:

$$\sum_i \frac{S_i}{S_{Limit,i}}$$

$$= S_{2.4GWiFi} / S_{limit-2.4GWiFi} + S_{5GWiFi} / S_{limit-5GWiFi}$$

$$= 0.601/1 + 0.132/1$$

$$= 0.733$$

$$< 1.0$$

Result: The device meet FCC MPE at 25 cm distance.

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