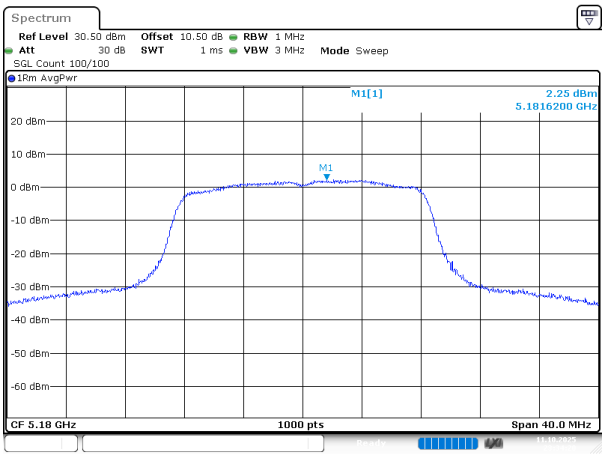
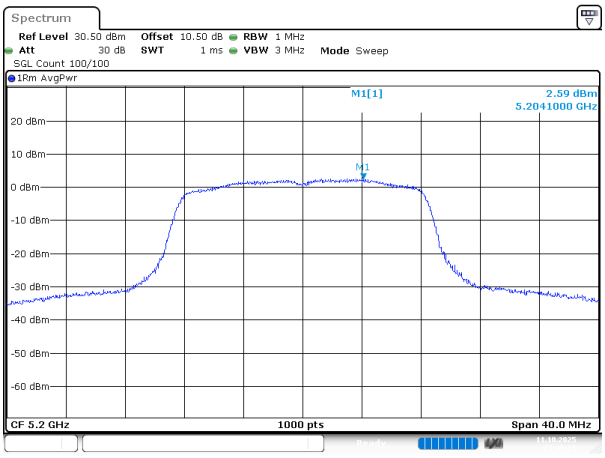
5150-5250MHz

802.11a_5180MHz_Chain 0



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 23:34:20

802.11a_5200MHz_Chain 0



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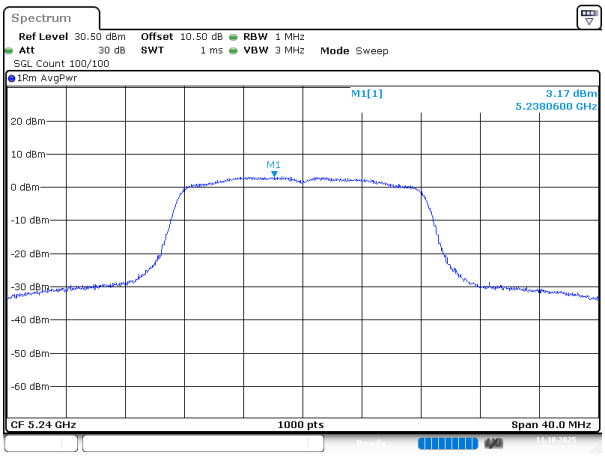
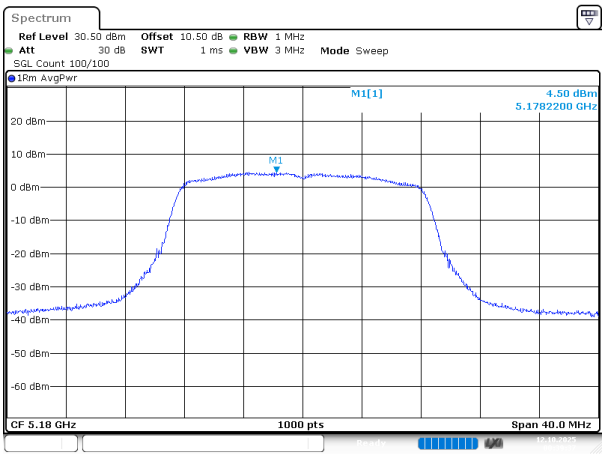
Date: 11.OCT.2025 23:40:22

802.11a_5240MHz_Chain 0



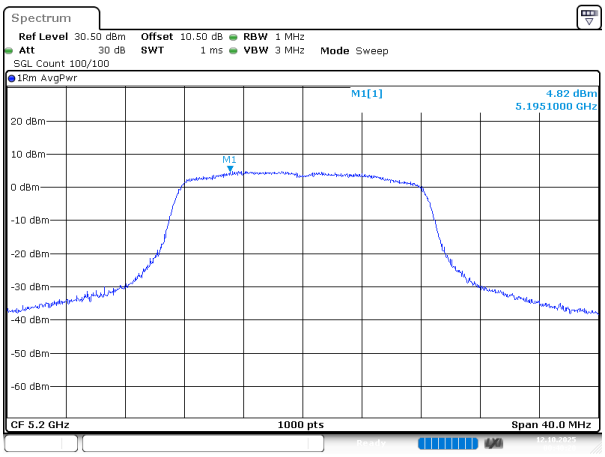
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 23:44:37

802.11a_5180MHz_Chain 1



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 00:39:37

802.11a_5200MHz_Chain 1



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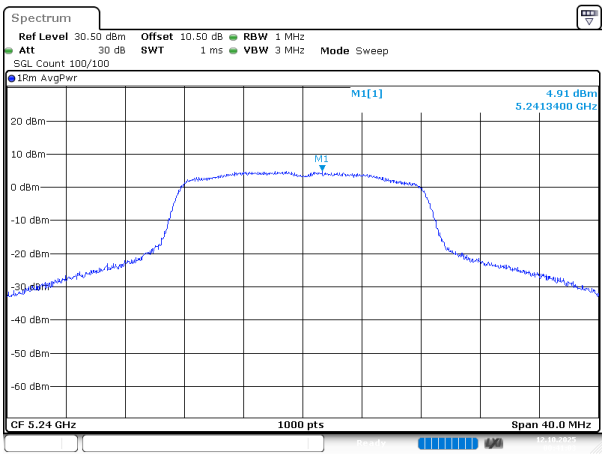
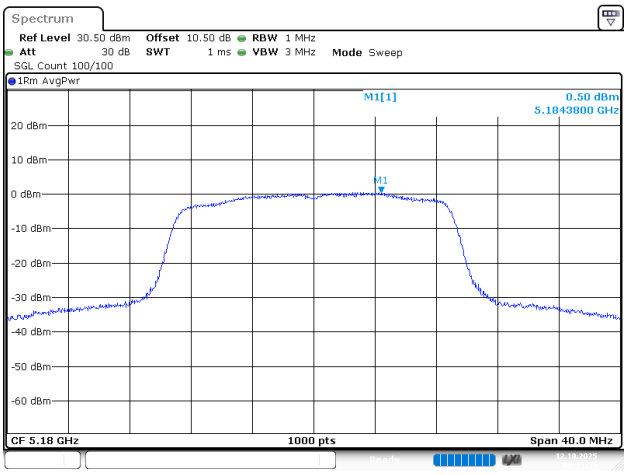
Date: 12.OCT.2025 00:40:21

802.11a_5240MHz_Chain 1



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 00:41:03

802.11ac20_5180MHz_Chain 0



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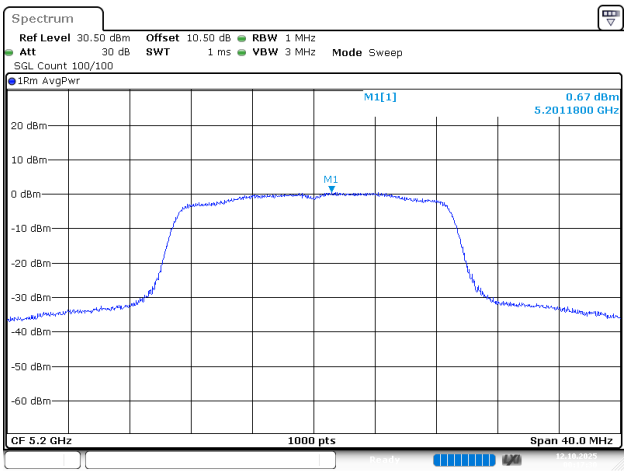
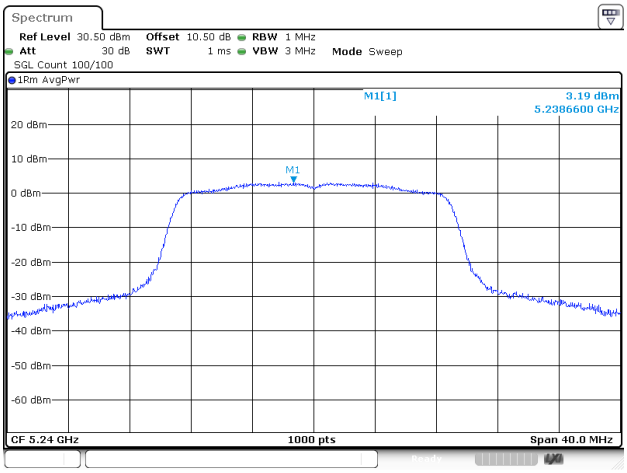
Date: 12.OCT.2025 00:13:55

802.11ac20_5200MHz_Chain 0



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 00:17:30

802.11ac20_5240MHz_Chain 0



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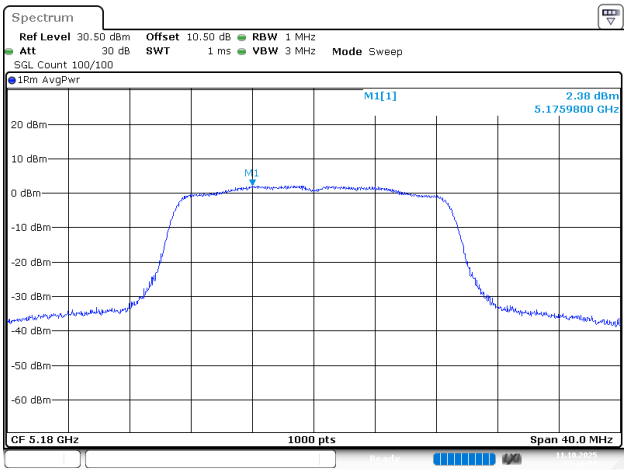
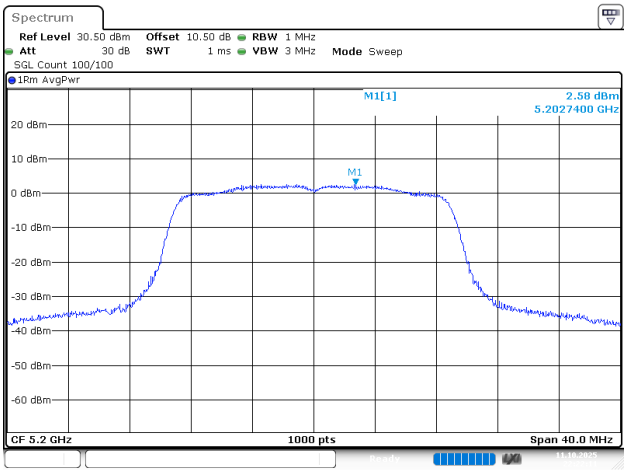
Date: 7.OCT.2025 21:17:06

802.11ac20_5180MHz_Chain 1



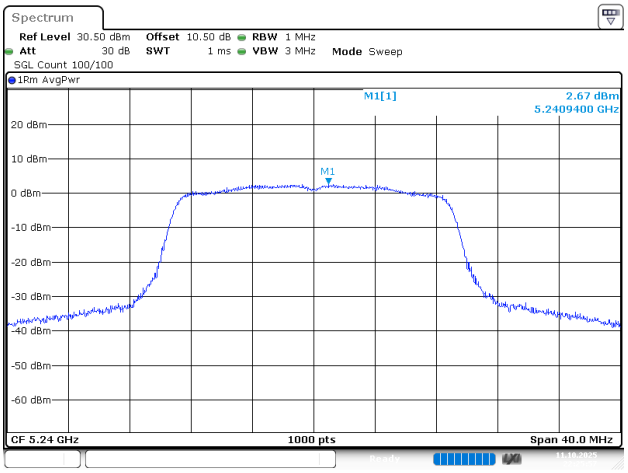
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 22:18:52

802.11ac20_5200MHz_Chain 1



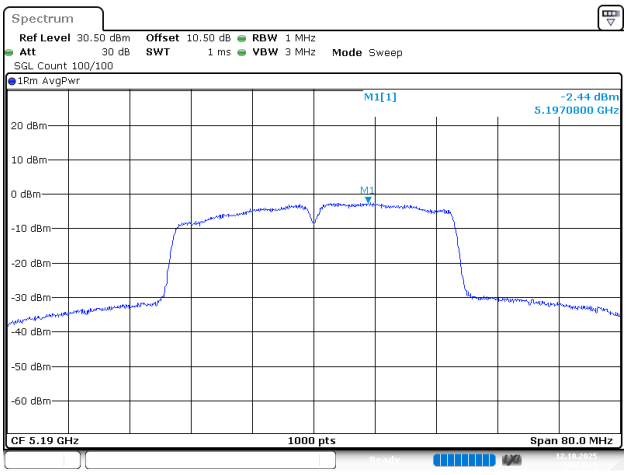
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 22:22:11

802.11ac20_5240MHz_Chain 1



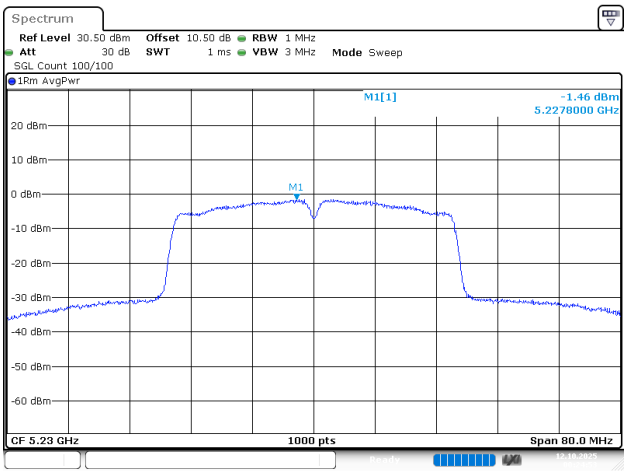
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 22:25:57

802.11ac40_5190MHz_Chain 0



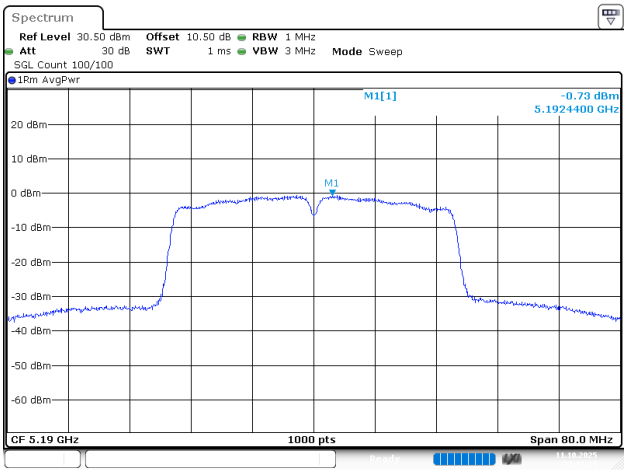
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 00:21:19

802.11ac40_5230MHz_Chain 0



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 00:24:53

802.11ac40_5190MHz_Chain 1



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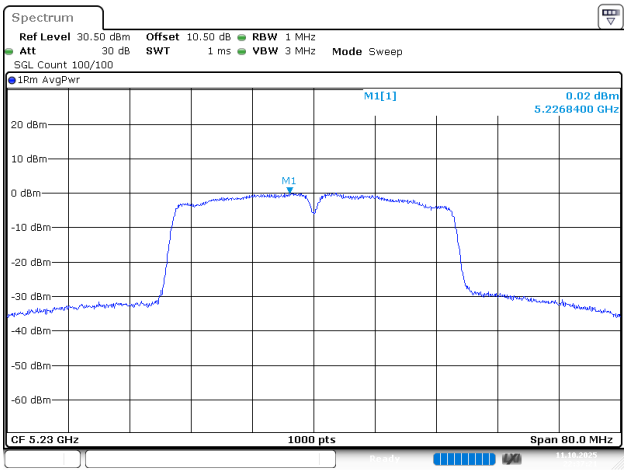
Date: 11.OCT.2025 22:32:13

802.11ac40_5230MHz_Chain 1



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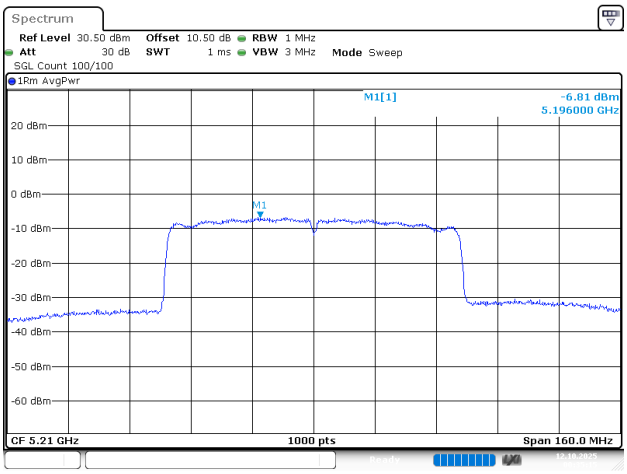
Date: 11.OCT.2025 22:37:21

802.11ac80_5210MHz_Chain 0



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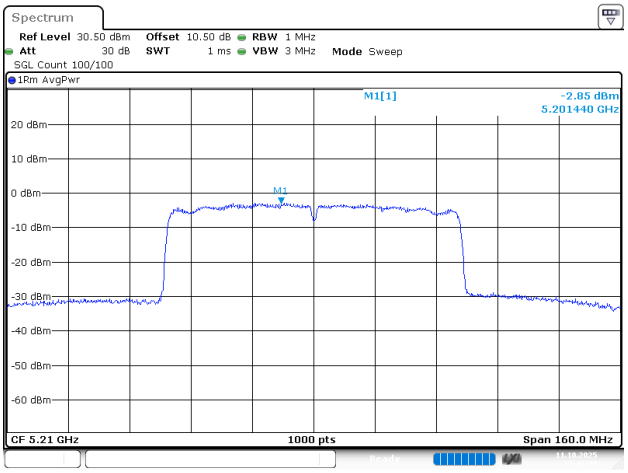
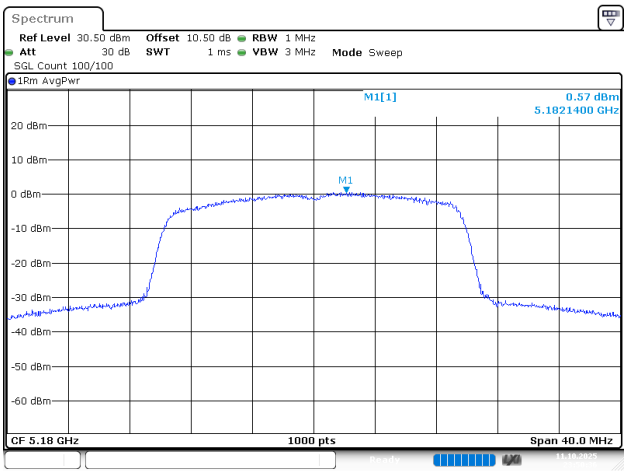
Date: 12.OCT.2025 00:35:15

802.11ac80_5210MHz_Chain 1



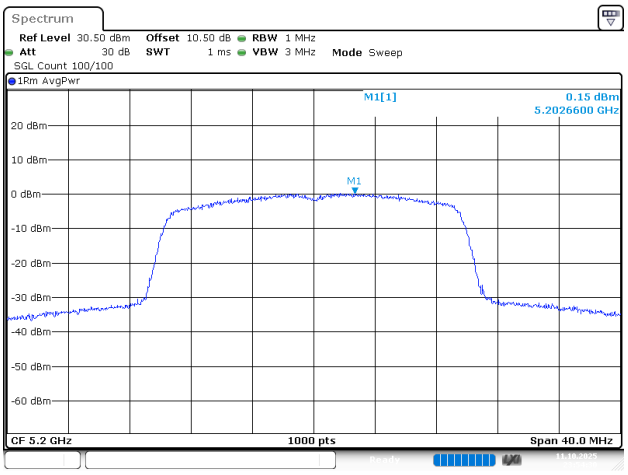
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 22:43:22

802.11ax20_5180MHz_RU_FULL_Chain 0



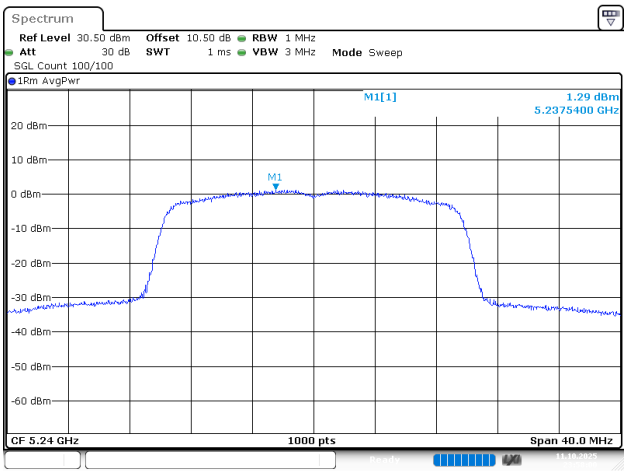
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 23:50:36

802.11ax20_5200MHz_RU_FULL_Chain 0



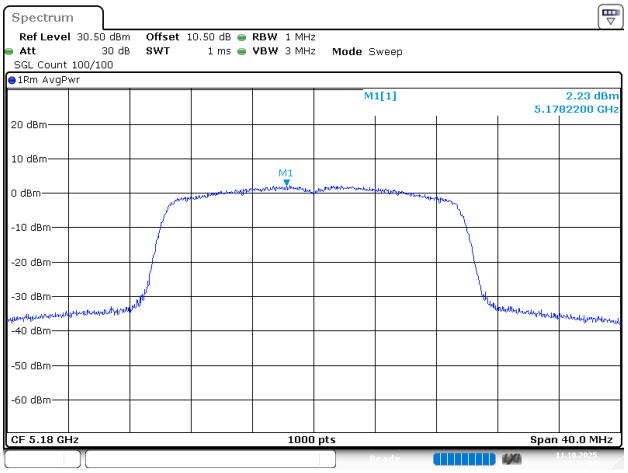
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 23:54:30

802.11ax20_5240MHz_RU_FULL_Chain 0



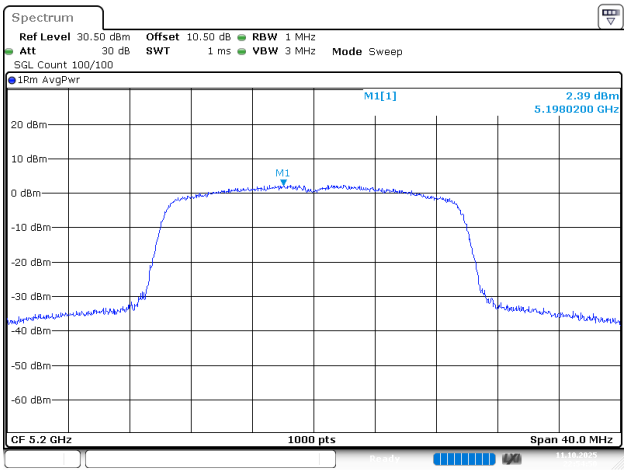
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 23:58:01

802.11ax20_5180MHz_RU_FULL_Chain 1



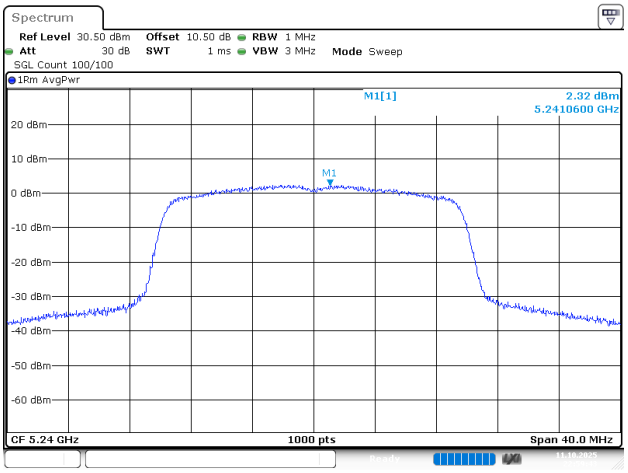
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 22:51:03

802.11ax20_5200MHz_RU_FULL_Chain 1



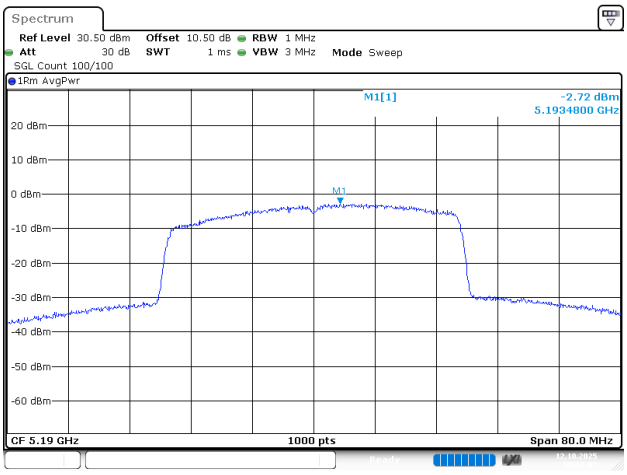
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 22:54:50

802.11ax20_5240MHz_RU_FULL_Chain 1



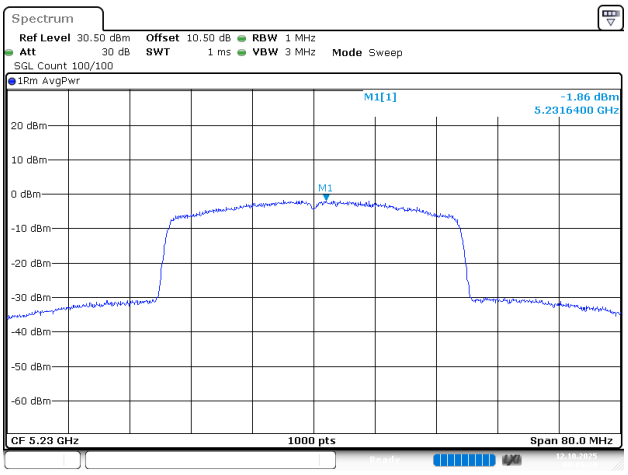
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 22:59:43

802.11ax40_5190MHz_RU_FULL_Chain 0



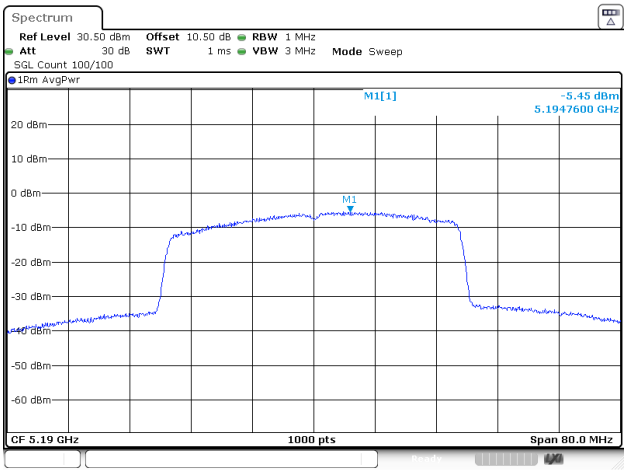
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 00:02:02

802.11ax40_5230MHz_RU_FULL_Chain 0



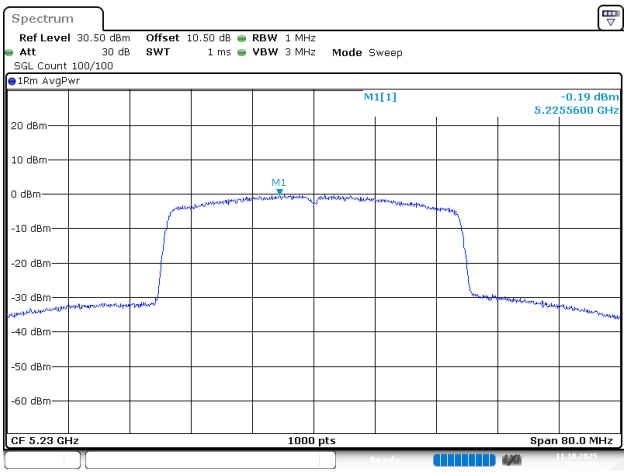
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 00:05:19

802.11ax40_5190MHz_RU_FULL_Chain 1



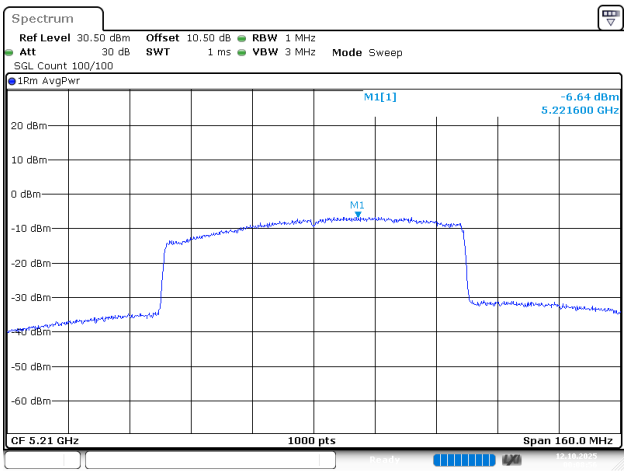
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 5.NOV.2025 03:55:50

802.11ax40_5230MHz_RU_FULL_Chain 1



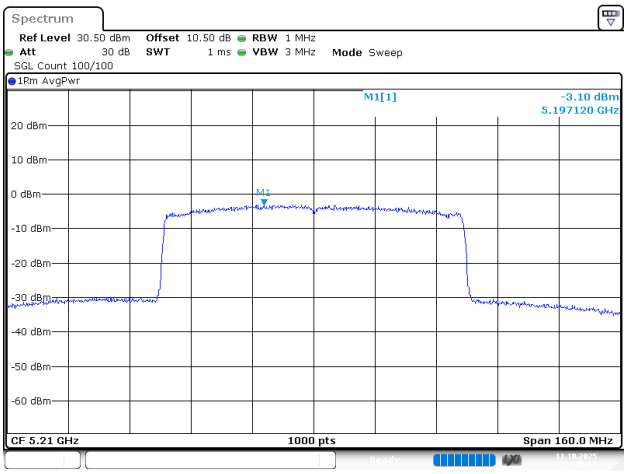
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 23:23:06

802.11ax80_5210MHz_RU_FULL_Chain 0



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 00:08:56

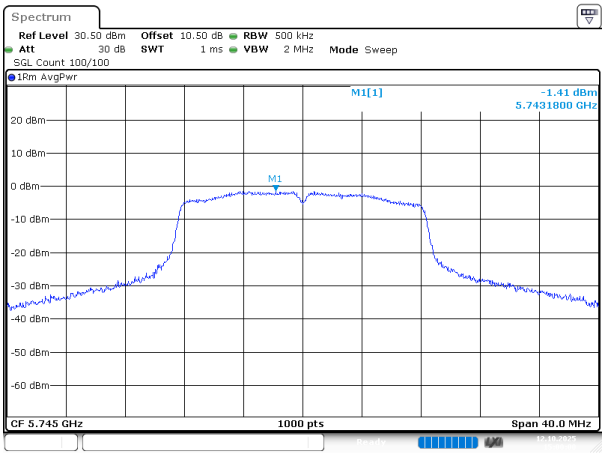
802.11ax80_5210MHz_RU_FULL_Chain 1



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 11.OCT.2025 23:26:51

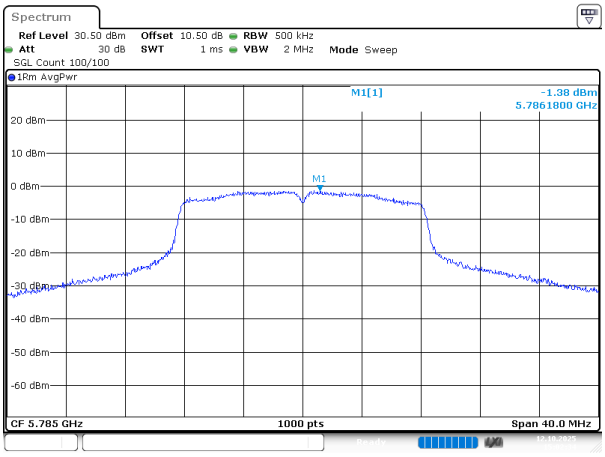
5725-5850MHz

802.11a_5745MHz_Chain 0



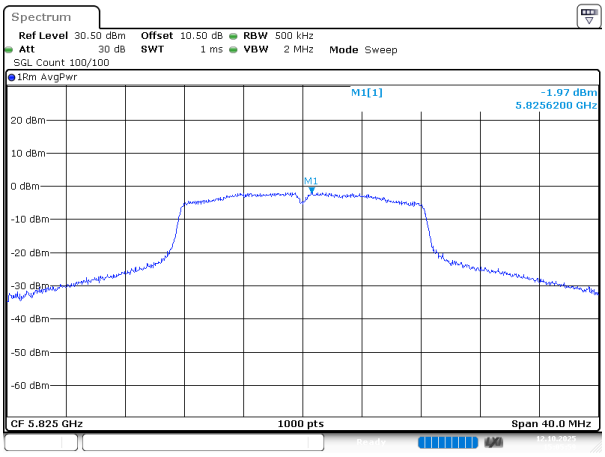
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:00:00

802.11a_5785MHz_Chain 0



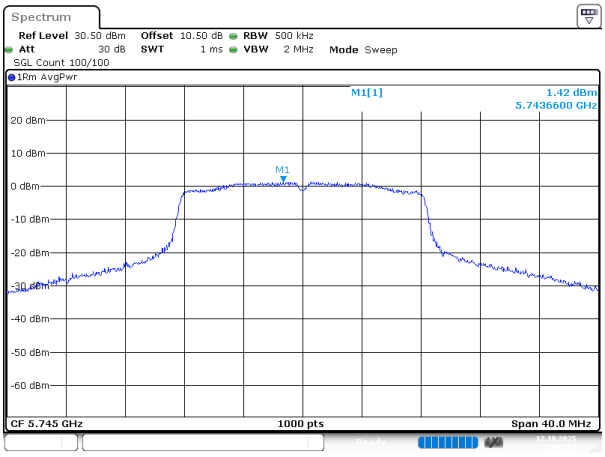
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:02:34

802.11a_5825MHz_Chain 0



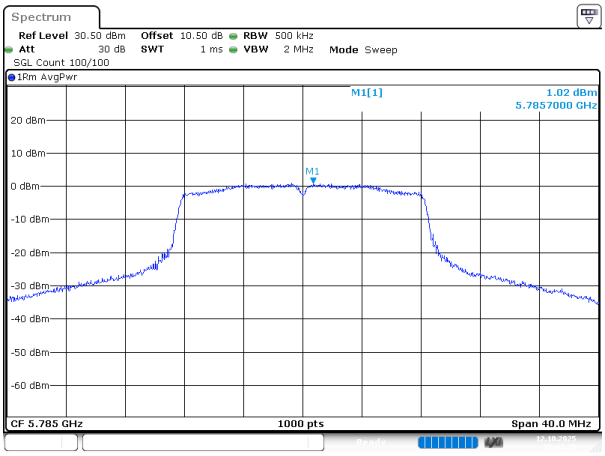
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:06:00

802.11a_5745MHz_Chain 1



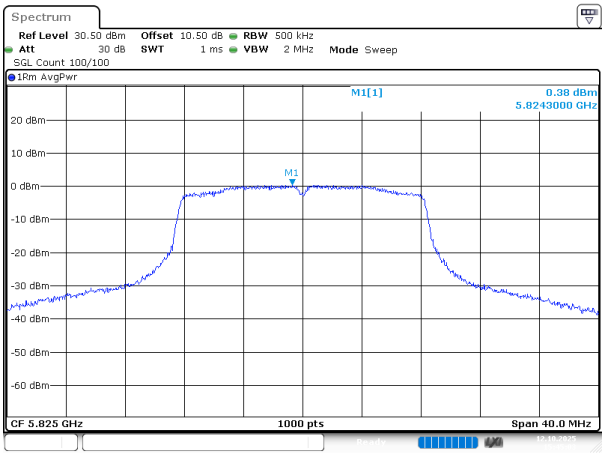
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:42:03

802.11a_5785MHz_Chain 1



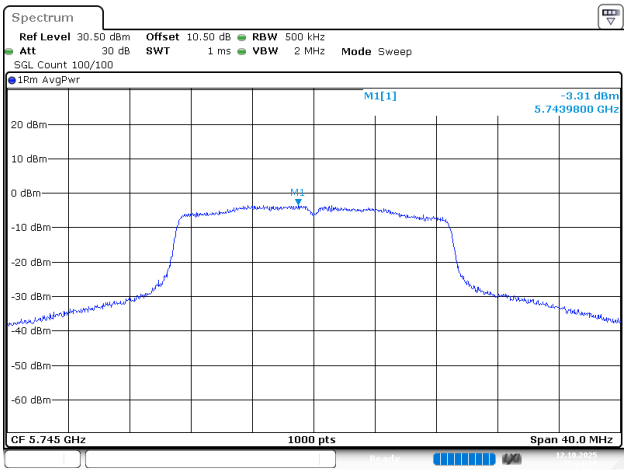
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:43:30

802.11a_5825MHz_Chain 1



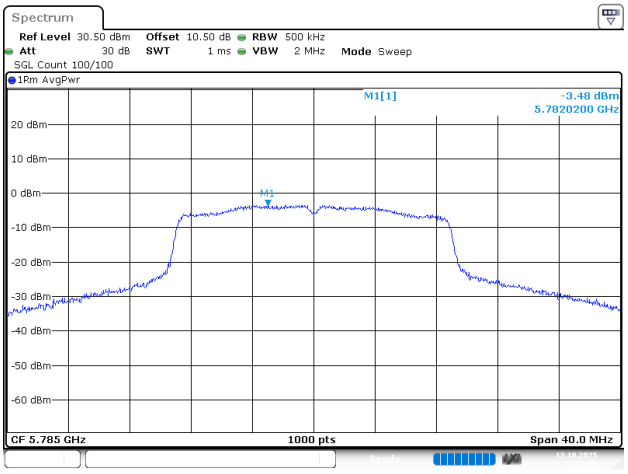
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:45:03

802.11ac20_5745MHz_Chain 0



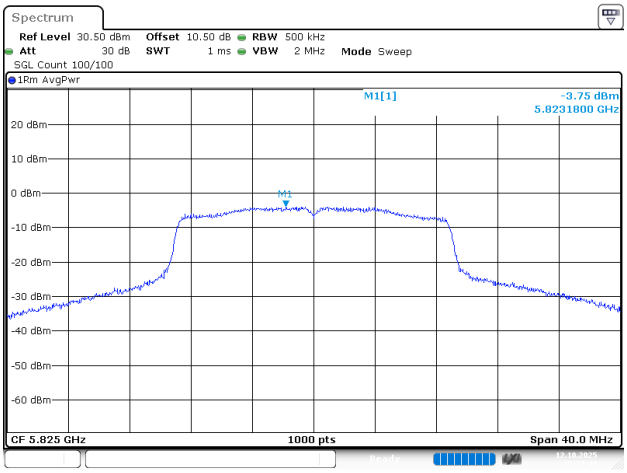
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:24:10

802.11ac20_5785MHz_Chain 0



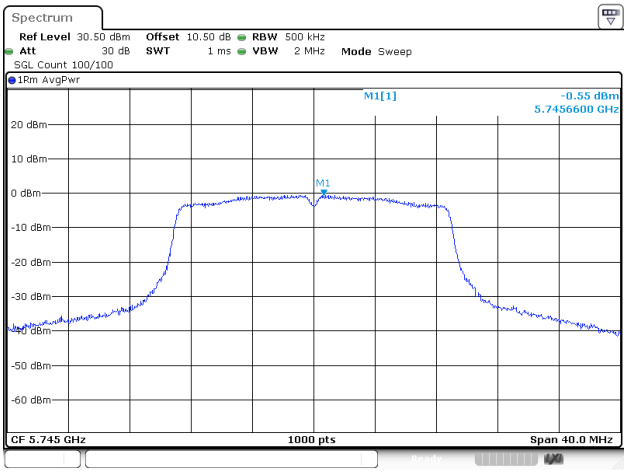
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:25:52

802.11ac20_5825MHz_Chain 0



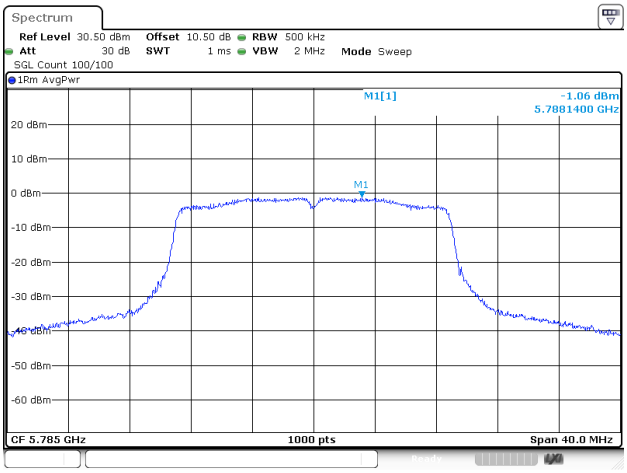
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:27:41

802.11ac20_5745MHz_Chain 1



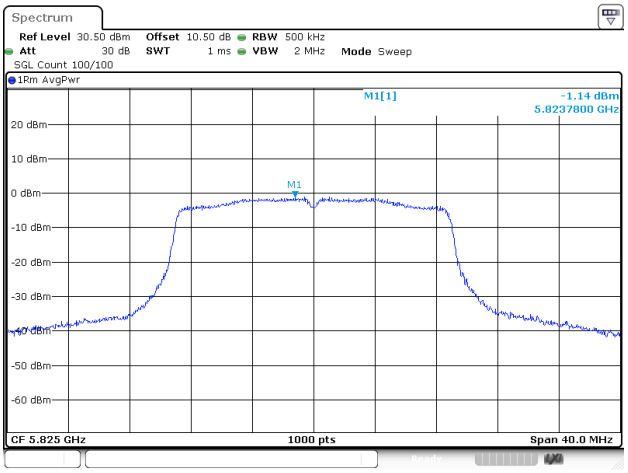
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 27.OCT.2025 19:39:09

802.11ac20_5785MHz_Chain 1



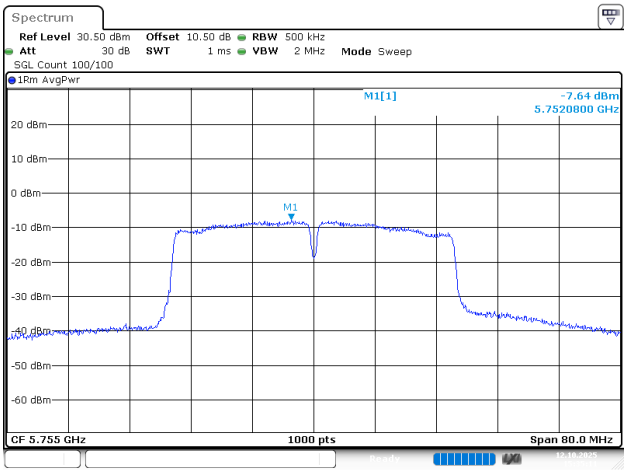
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 27.OCT.2025 19:43:02

802.11ac20_5825MHz_Chain 1



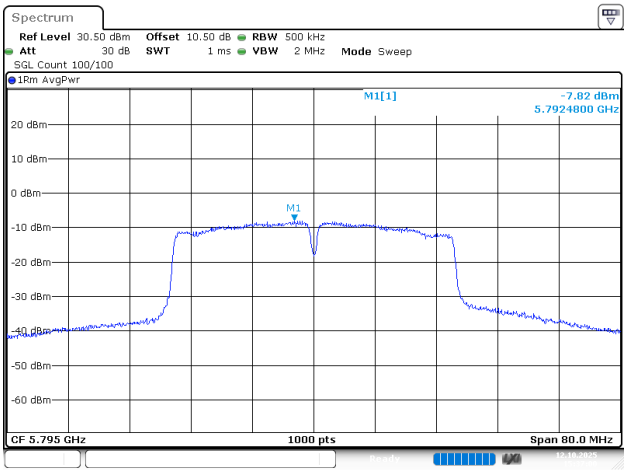
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 27.OCT.2025 19:44:58

802.11ac40_5755MHz_Chain 0



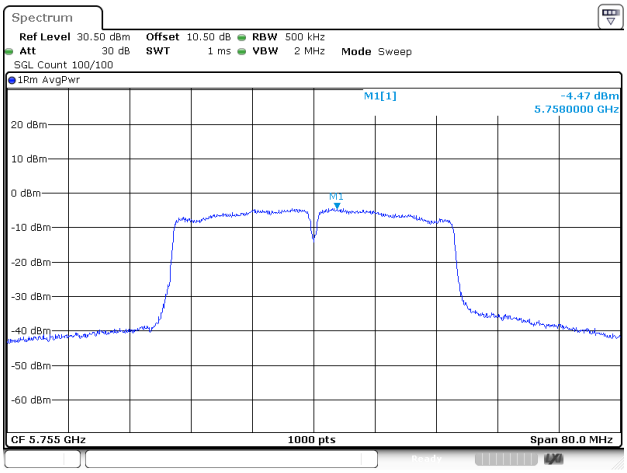
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:35:11

802.11ac40_5795MHz_Chain 0



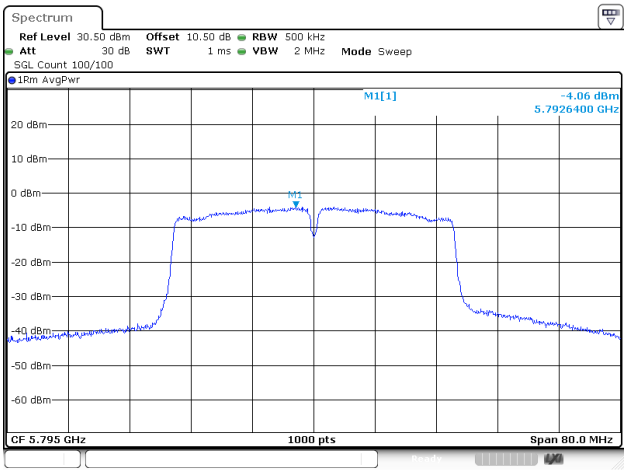
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:37:00

802.11ac40_5755MHz_Chain 1



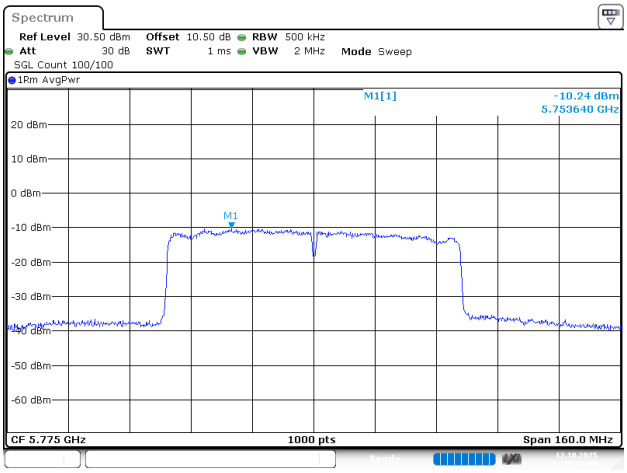
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 27.OCT.2025 19:46:56

802.11ac40_5795MHz_Chain 1



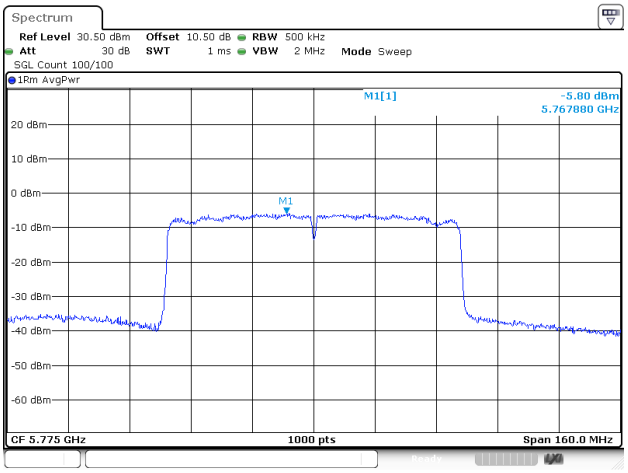
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 27.OCT.2025 19:48:13

802.11ac80_5775MHz_Chain 0



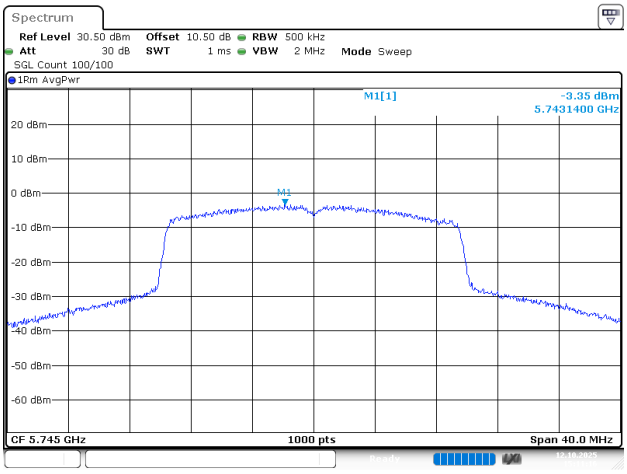
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:38:09

802.11ac80_5775MHz_Chain 1



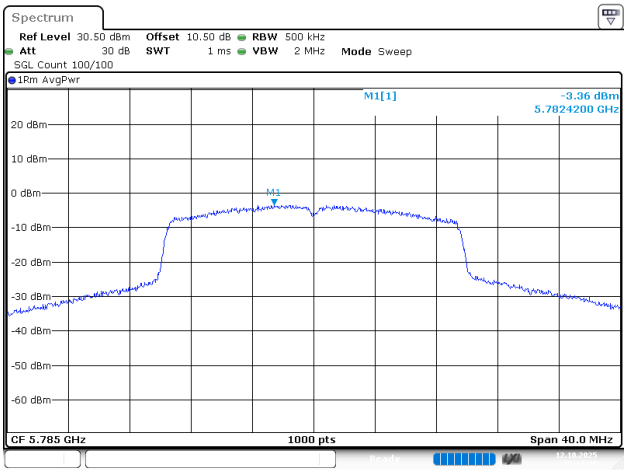
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 27.OCT.2025 19:49:51

802.11ax20_5745MHz_RU_FULL_Chain 0



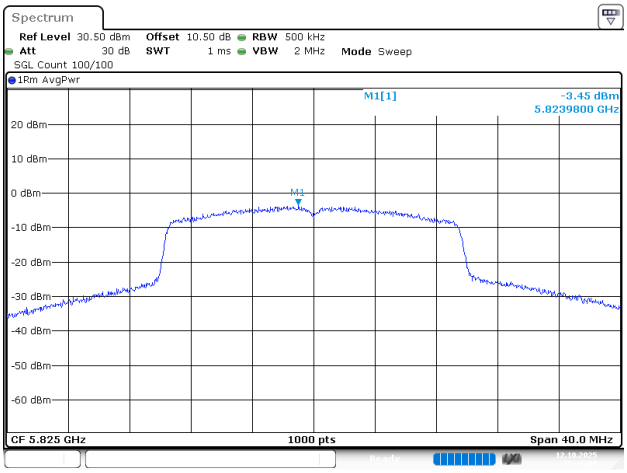
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:11:16

802.11ax20_5785MHz_RU_FULL_Chain 0



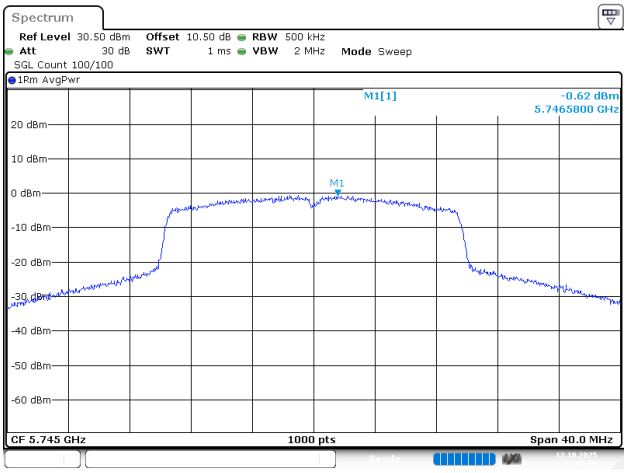
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:13:49

802.11ax20_5825MHz_RU_FULL_Chain 0



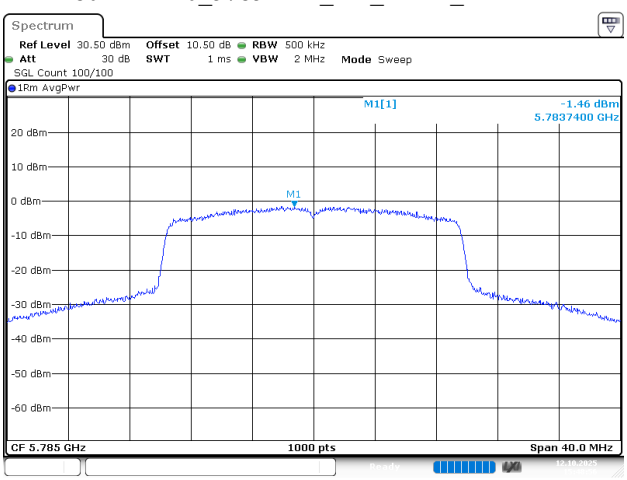
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:15:00

802.11ax20_5745MHz_RU_FULL_Chain 1



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:47:06

802.11ax20_5785MHz_RU_FULL_Chain 1



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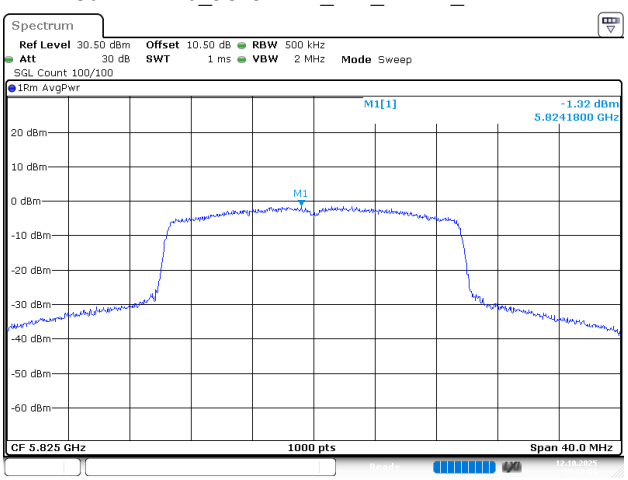
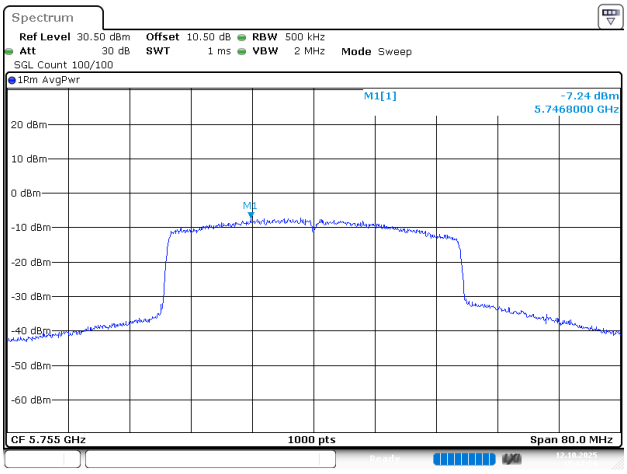
Date: 12.OCT.2025 15:48:56

802.11ax20_5825MHz_RU_FULL_Chain 1



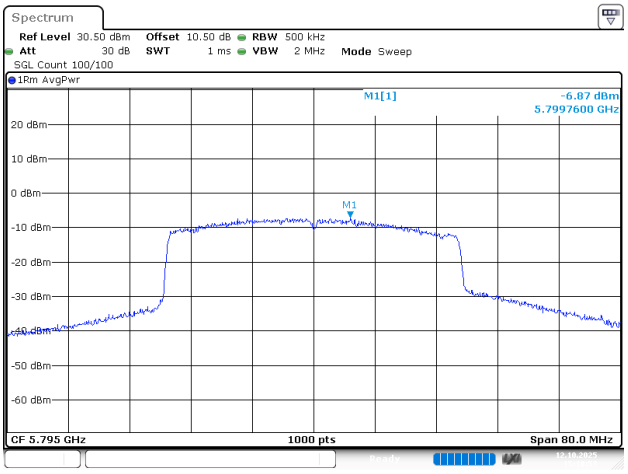
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:50:01

802.11ax40_5755MHz_RU_FULL_Chain 0



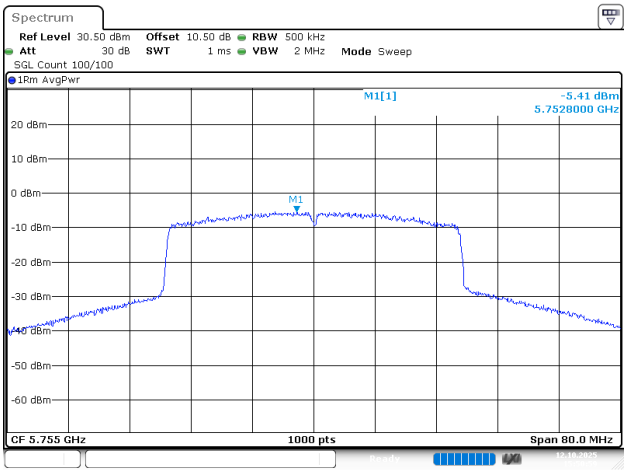
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:18:00

802.11ax40_5795MHz_RU_FULL_Chain 0



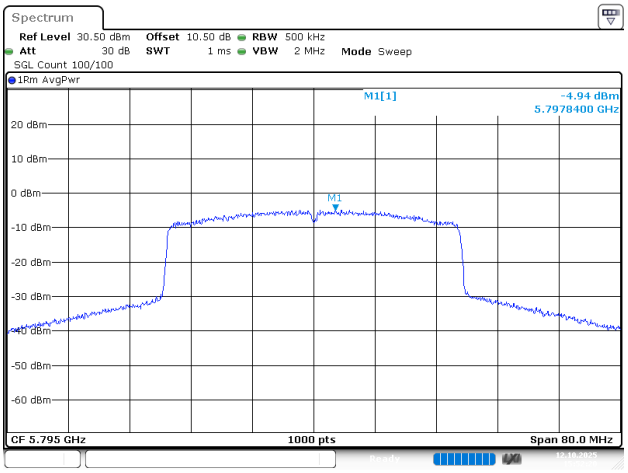
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:18:53

802.11ax40_5755MHz_RU_FULL_Chain 1



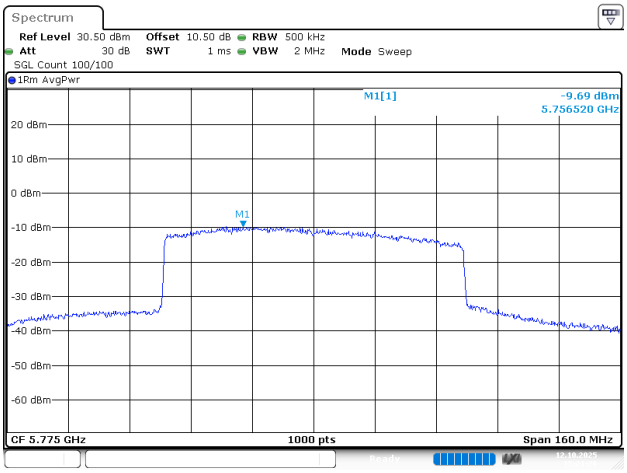
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:50:59

802.11ax40_5795MHz_RU_FULL_Chain 1



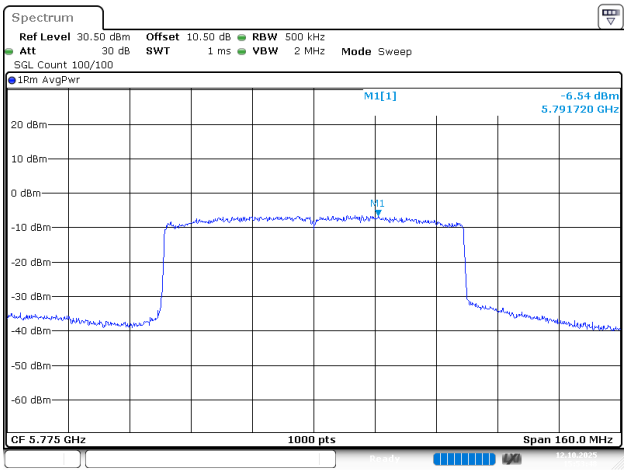
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:52:20

802.11ax80_5775MHz_RU_FULL_Chain 0



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:21:26

802.11ax80_5775MHz_RU_FULL_Chain 1



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 12.OCT.2025 15:53:49

Duty Cycle

Test Information:

Sample No.:	3ATT-1	**Test Date:**	2025/10/07
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Kungfumaster Liang	**Test Result:**	N/A

Environmental Conditions:

Temperature: (°C)	25.8-27.6	**Relative Humidity: (%)**	44-45	**ATM Pressure: (kPa)**	100.8-101.1

Test Data:

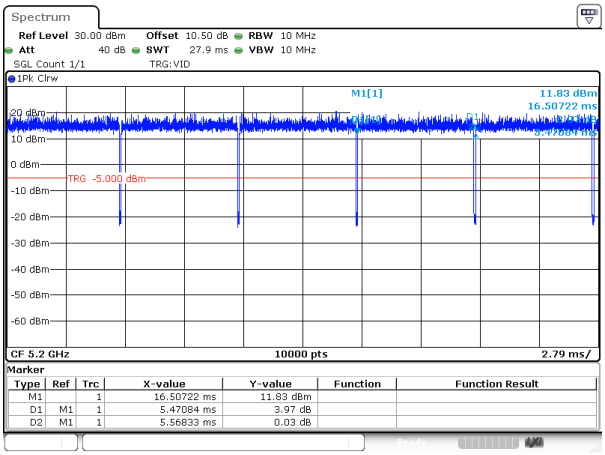
5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	Chain 0	5200	**5.471**	5.568	98.26	/	/	0.010
802.11ac20	Chain 0	5200	5.368	5.464	98.24	/	/	0.010
802.11ac40	Chain 0	5190	5.144	5.241	98.15	/	/	0.010
802.11ac80	Chain 0	5210	4.749	4.843	98.06	/	/	0.010
802.11ax20_RU_FULL	Chain 0	5200	4.636	4.731	97.99	0.09	216	0.5
802.11ax40_RU_FULL	Chain 0	5190	4.412	4.506	97.91	0.09	227	0.5
802.11ax80_RU_FULL	Chain 0	5210	4.402	4.496	97.91	0.09	227	0.5

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

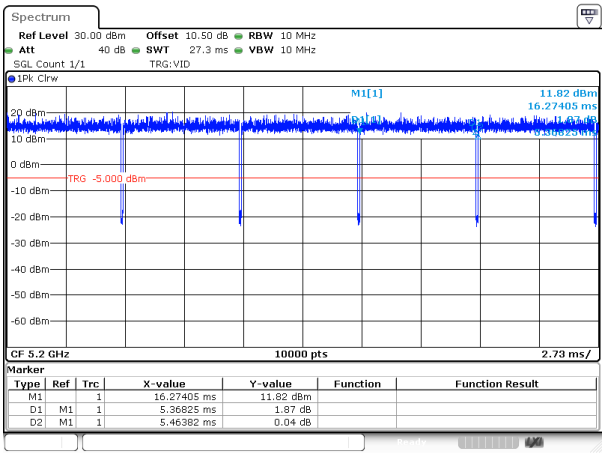
5150-5250MHz

802.11a_5200MHz_Chain 0



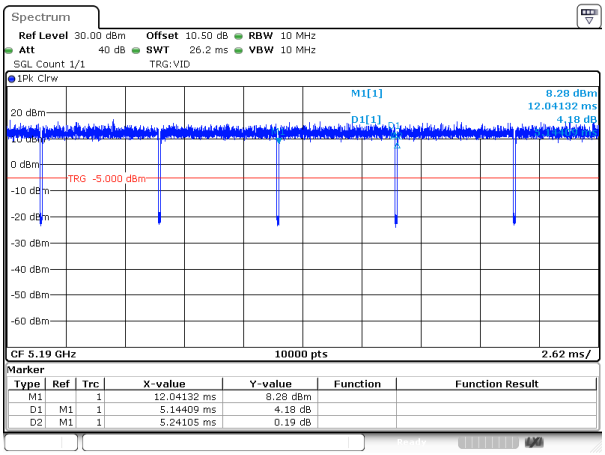
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 7.OCT.2025 21:01:06

802.11ac20_5200MHz_Chain 0



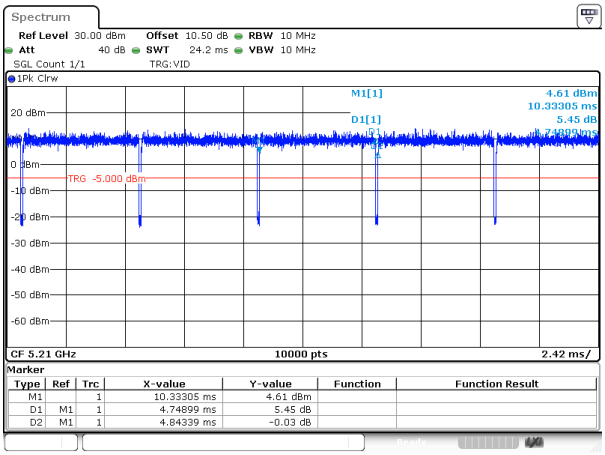
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 7.OCT.2025 21:02:26

802.11ac40_5190MHz_Chain 0



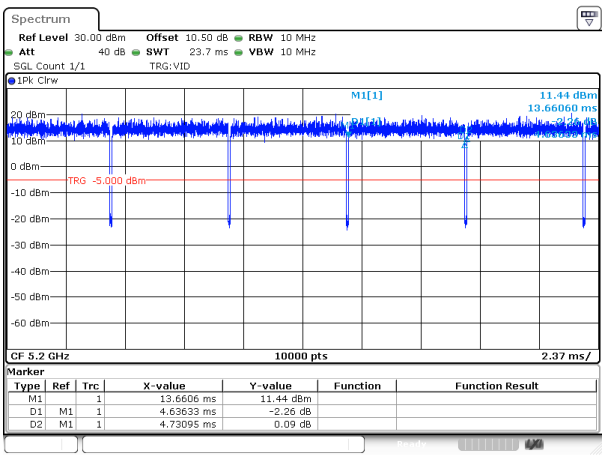
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 7.OCT.2025 21:03:04

802.11ac80_5210MHz_Chain 0



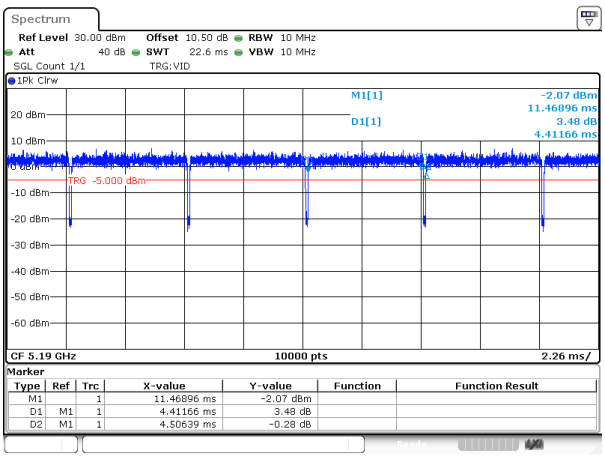
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 7.OCT.2025 21:04:14

802.11ax20_5200MHz_RU_FULL_Chain 0



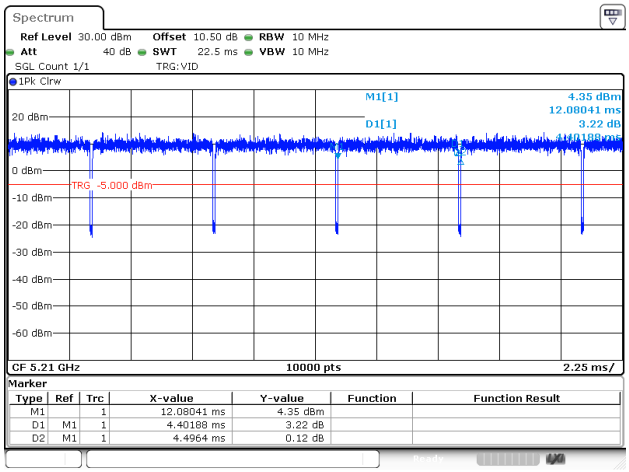
ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 7.OCT.2025 21:05:46

802.11ax40_5190MHz_RU_FULL_Chain 0



ProjectNo.:2501X79960E-RF Tester:Kungfumaster Liang
Date: 7.OCT.2025 21:08:48

802.11ax80_5210MHz_RU_FULL_Chain 0



RF EXPOSURE EVALUATION

MPE-Based Exemption

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

According to KDB 447498 D04 v01 Interim General RF Exposure Guidance

MPE-Based Exemption:
General frequency and separation-distance dependent MPE-based effective radiated power(ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(3)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	1,920 R^2.
1.34-30	3,450 R^2/f^2.
30-300	3.83 R^2.
300-1,500	0.0128 R^2f.
1,500-100,000	19.2R^2.

R is the minimum separation distance in meters
f = frequency in MHz

Result

Mode	Frequency (MHz)	Tune up conducted power#(dBm)	Antenna Gain#		ERP		Evaluation Distance (m)	ERP Limit (mW)
			(dBi)	(dBd)	(dBm)	(mW)		
BT	2402-2480	8	2.9	0.75	8.75	7.5	0.2	768
BLE	2402-2480	10	2.9	0.75	10.75	11.89	0.2	768
2.4G Wi-Fi	2412-2462	25	5.1	2.95	27.95	623.73	0.2	768
5.2G Wi-Fi	5180-5240	17	2.6	0.45	17.45	55.59	0.2	768
5.8G Wi-Fi	5745-5825	16	3	0.85	16.85	48.42	0.2	768

Note: 1. The tune up conducted power and antenna gain was declared by the applicant.
2. The BT, BLE and 2G Wi-Fi cannot transmit at same time, 2.4G Wi-Fi and 5G Wi-Fi cannot transmit at same time, BT, BLE and 5G Wi-Fi can transmit at same time

Simultaneous transmitting consideration (worst case):

The ratio= $EIRP_{BLE}$ /limit + $EIRP_{5.2G\ Wi\text{-}Fi}$/limit = 11.89/768+ 55.59/768 =0.088<1.0

So simultaneous exposure is compliant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliant

EUT PHOTOGRAPHS

Please refer to the attachment 2501X79960E-RF-EXP External photo and 2501X79960E-RF-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501X79960E-RF-TSPB Test Setup photo.

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