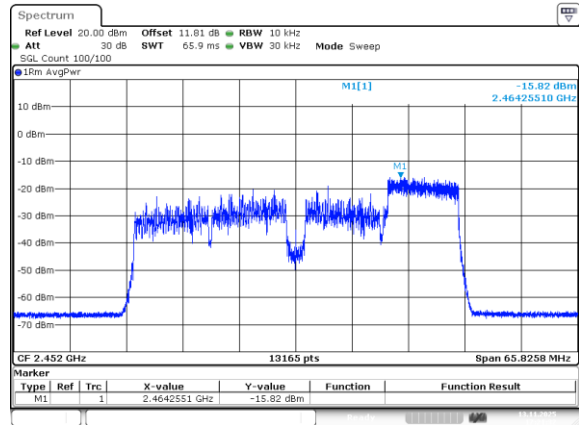


Chain 2

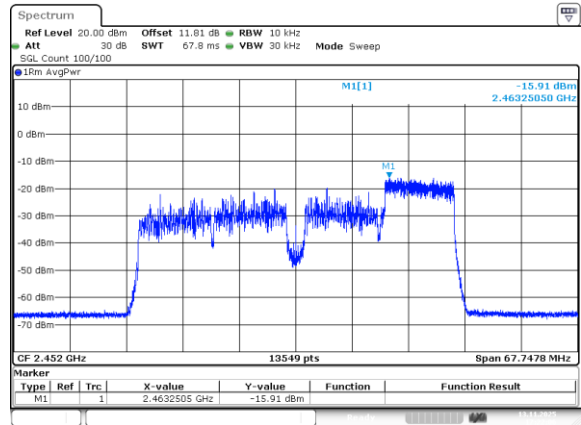
802.11be40_2452MHz_RU_106/56_Chain 2



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:21:32

Chain 3

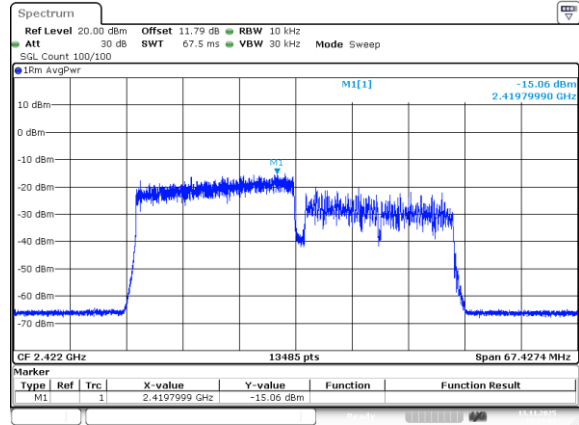
802.11be40_2452MHz_RU_106/56_Chain 3



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:22:07

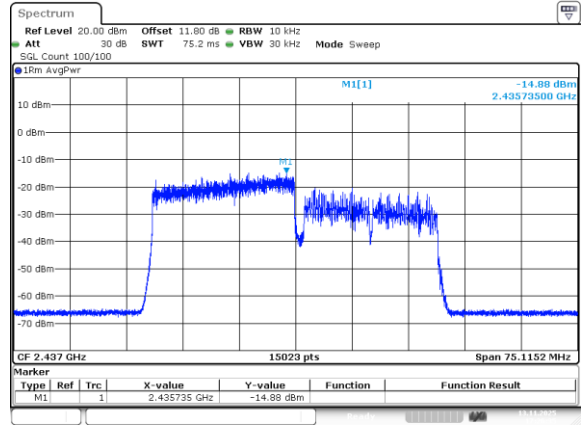
Chain 0

802.11be40_2422MHz_RU_242/61_Chain 0



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:24:02

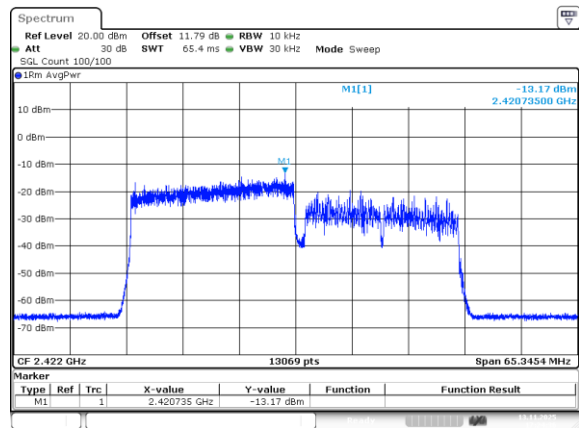
802.11be40_2437MHz_RU_242/61_Chain 0



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:26:36

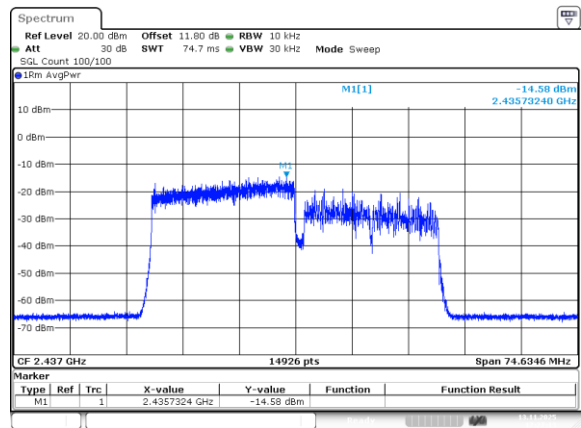
Chain 1

802.11be40_2422MHz_RU_242/61_Chain 1



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:24:36

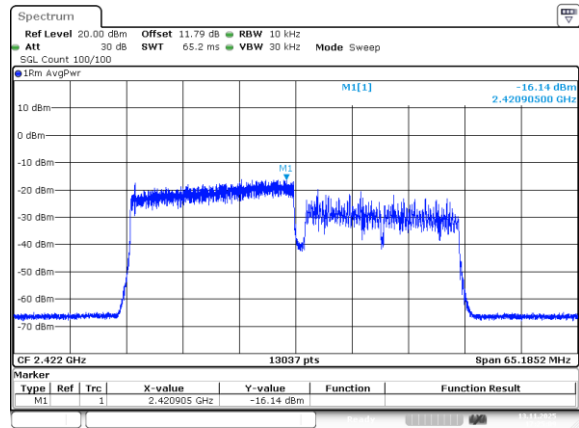
802.11be40_2437MHz_RU_242/61_Chain 1



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:27:13

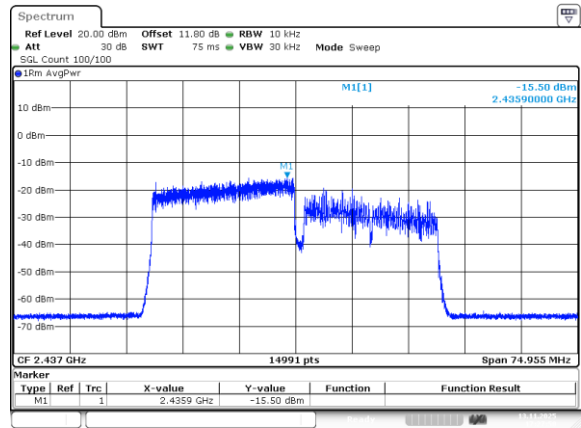
Chain 2

802.11be40_2422MHz_RU_242/61_Chain 2



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:25:09

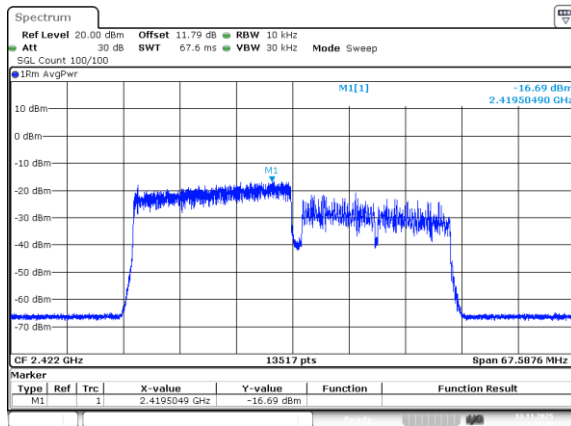
802.11be40_2437MHz_RU_242/61_Chain 2



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:27:50

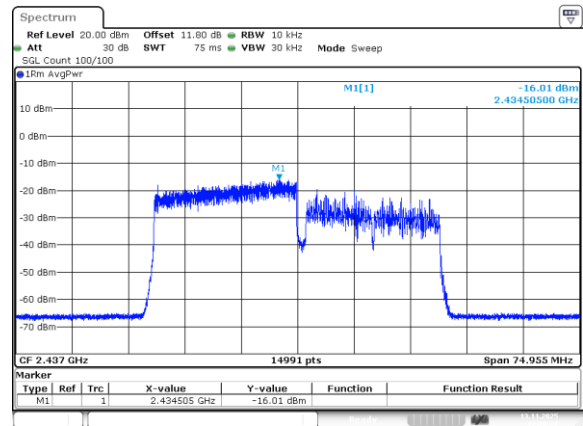
Chain 3

802.11be40_2422MHz_RU_242/61_Chain 3



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:25:44

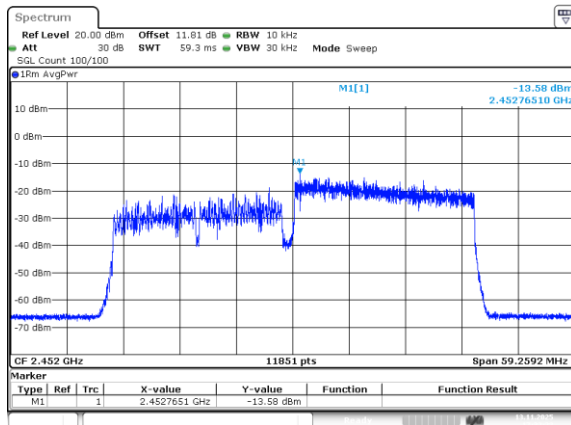
802.11be40_2437MHz_RU_242/61_Chain 3



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:28:27

Chain 0

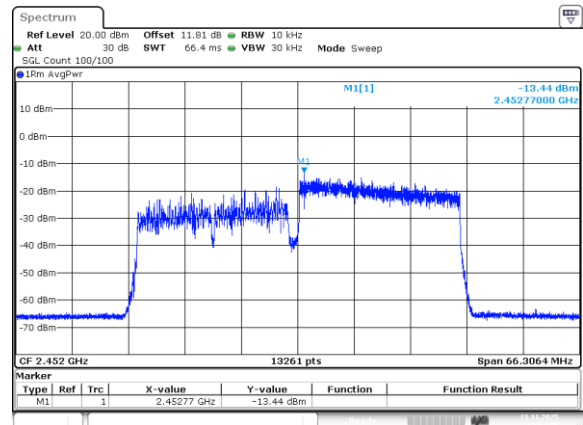
802.11be40_2452MHz_RU_242/62_Chain 0



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:32:22

Chain 1

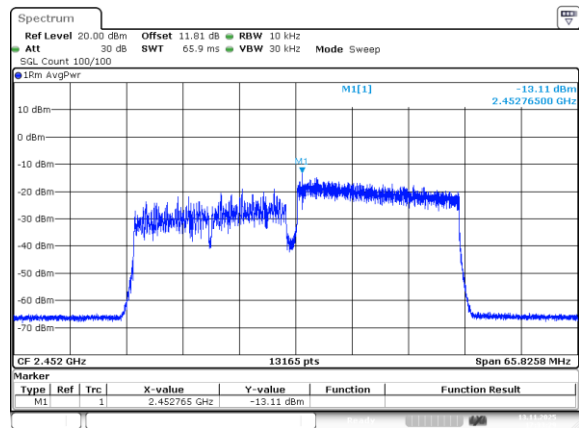
802.11be40_2452MHz_RU_242/62_Chain 1



ProjectNo.:2509T61338E-RF TesteriGavy Kim
Date: 13.NOV.2025 17:32:56

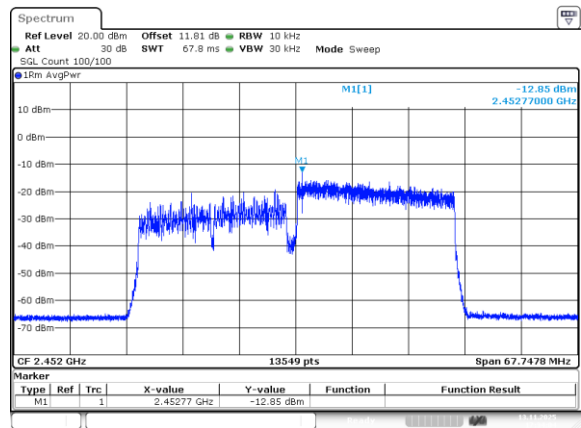
Chain 2

802.11be40_2452MHz_RU_242/62_Chain 2



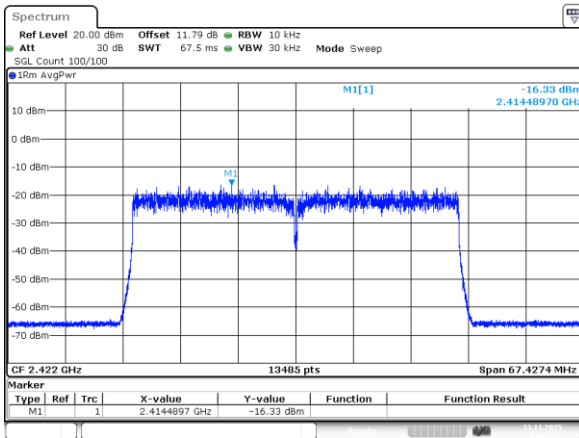
Chain 3

802.11be40_2452MHz_RU_242/62_Chain 3

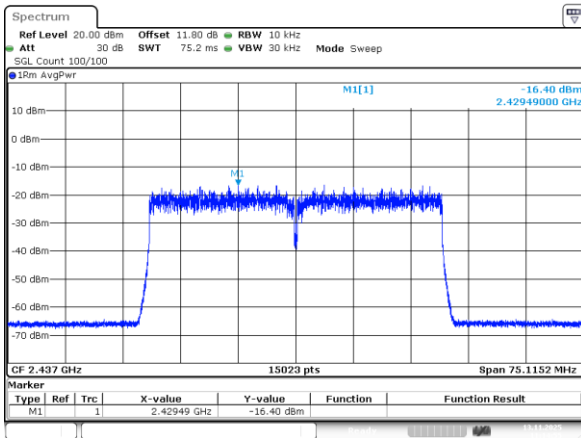


Chain 0

802.11be40_2422MHz_RU_484/65_Chain 0

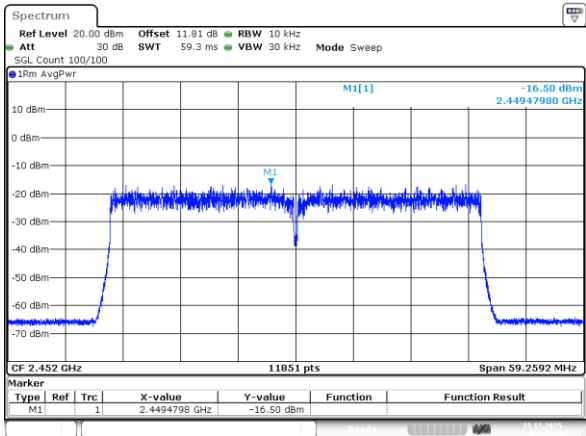


802.11be40_2437MHz_RU_484/65_Chain 0



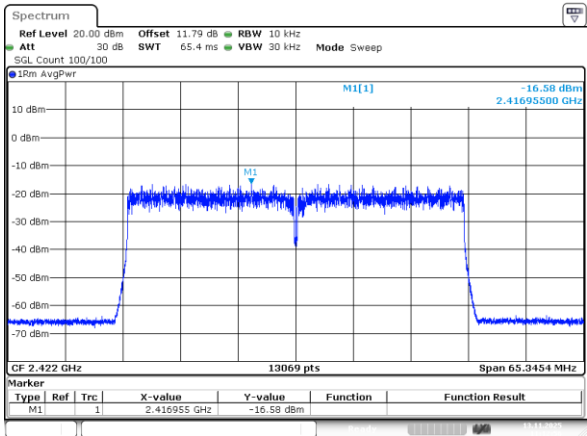
Chain 1

802.11be40_2452MHz_RU_484/65_Chain 0



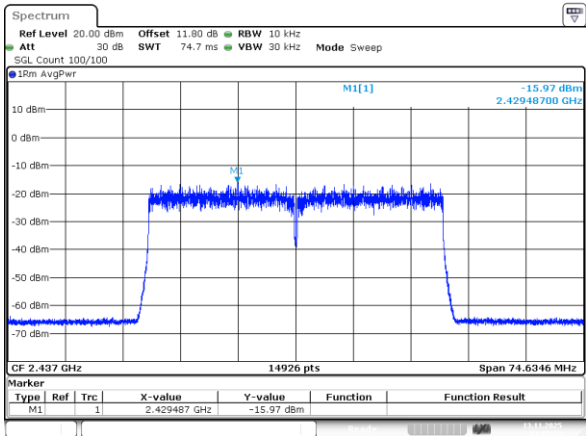
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 11:17:29

802.11be40_2422MHz_RU_484/65_Chain 1



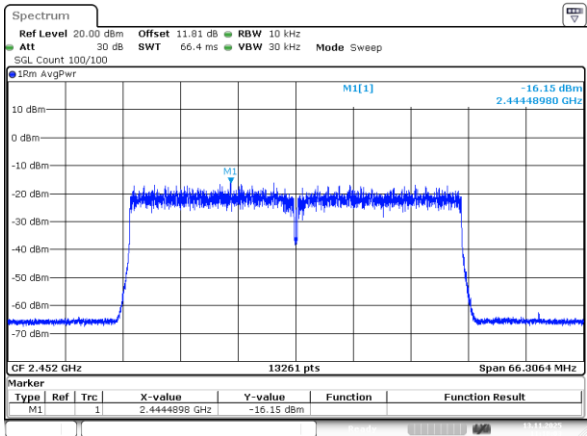
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 11:12:56

802.11be40_2437MHz_RU_484/65_Chain 1



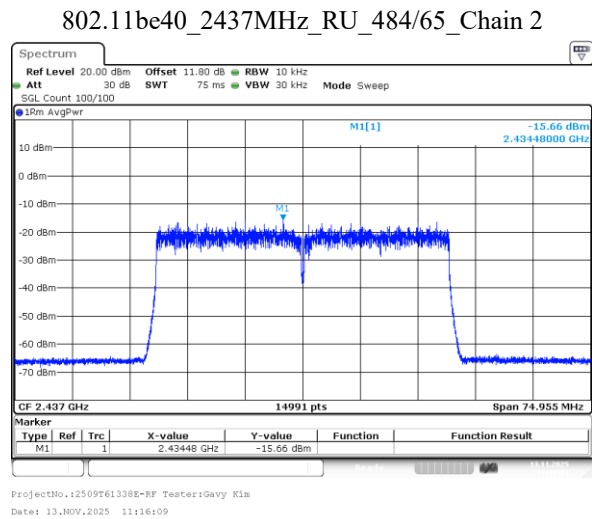
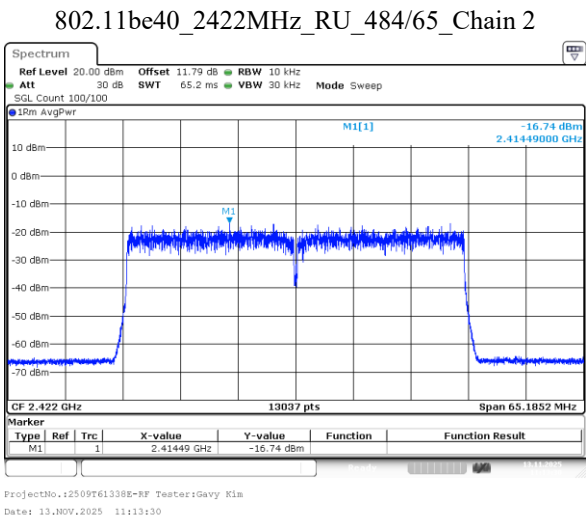
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 11:15:32

802.11be40_2452MHz_RU_484/65_Chain 1

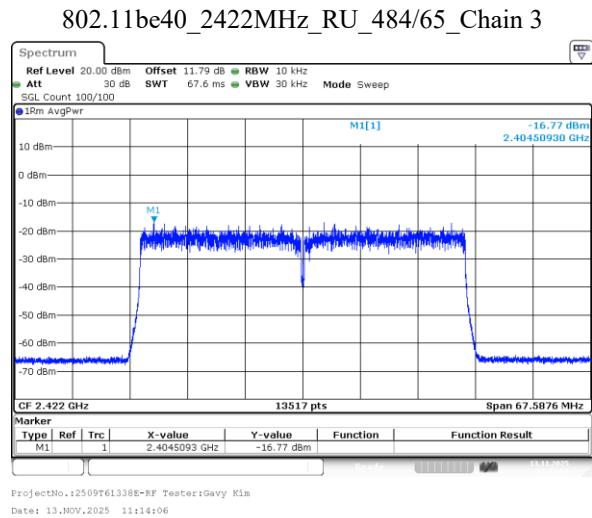
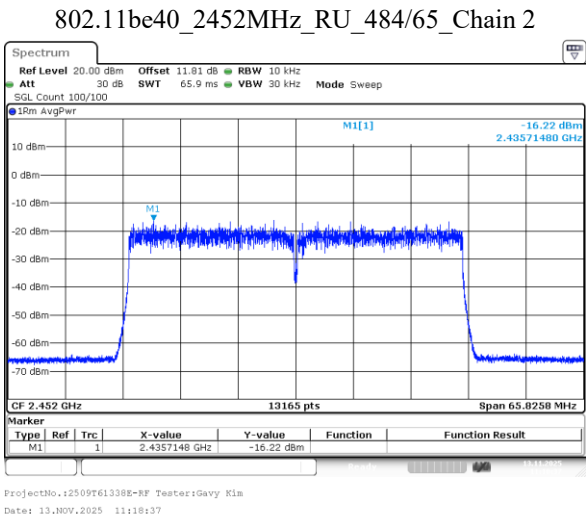


ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 11:18:03

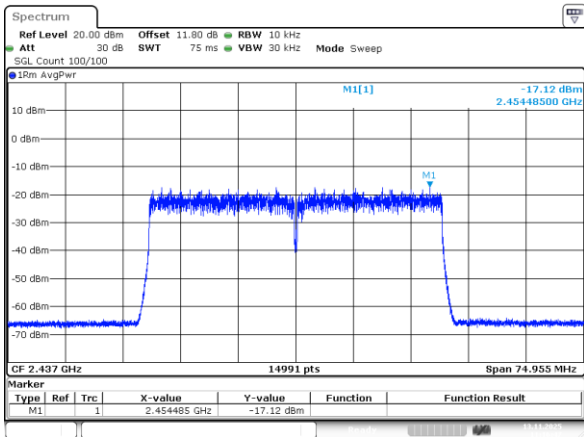
Chain 2



Chain 3

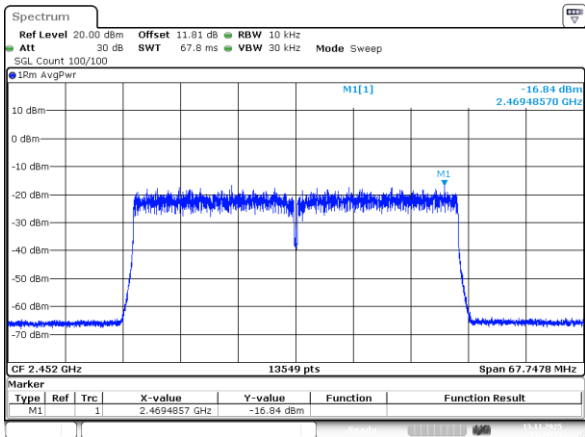


802.11be40_2437MHz_RU_484/65_Chain 3



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 11:16:47

802.11be40_2452MHz_RU_484/65_Chain 3

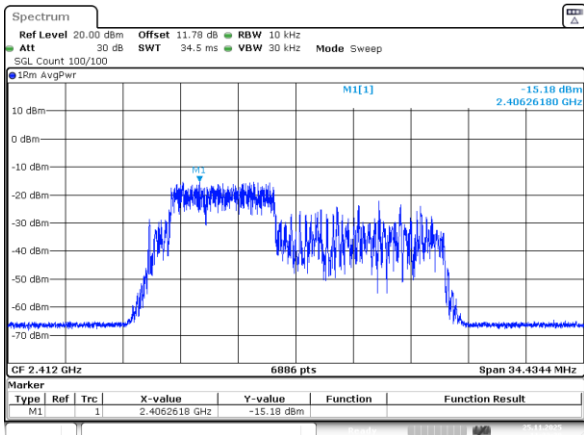


ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 11:19:12

MRU

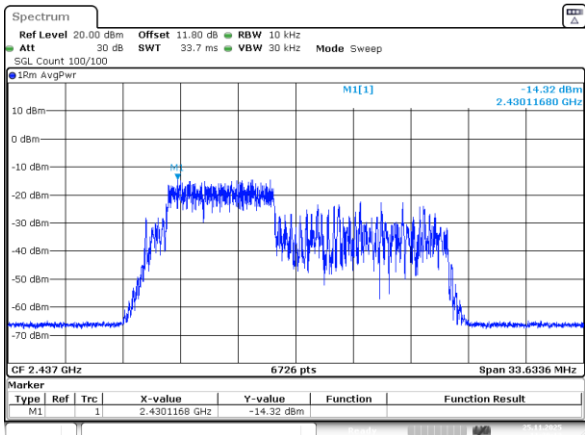
Chain 0

802.11be20_2412MHz_RU_26&52_MRU1_Chain 0



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 11:33:30

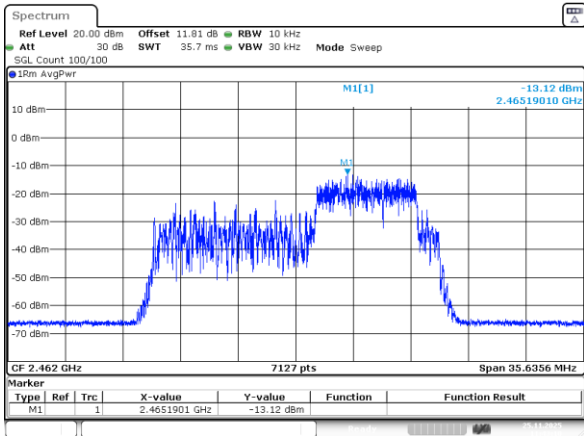
802.11be20_2437MHz_RU_26&52_MRU1_Chain 0



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 11:38:13

Chain 1

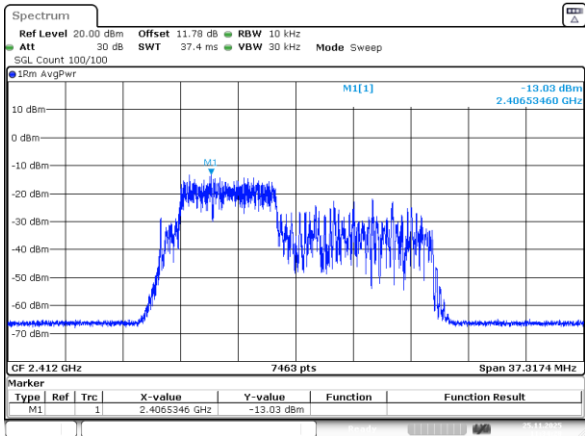
802.11be20_2462MHz_RU_26&52_MRU3_Chain 0



ProjectNo.:2509T61338E-RF Tester:Gavy Kim

Date: 25.NOV.2025 11:43:10

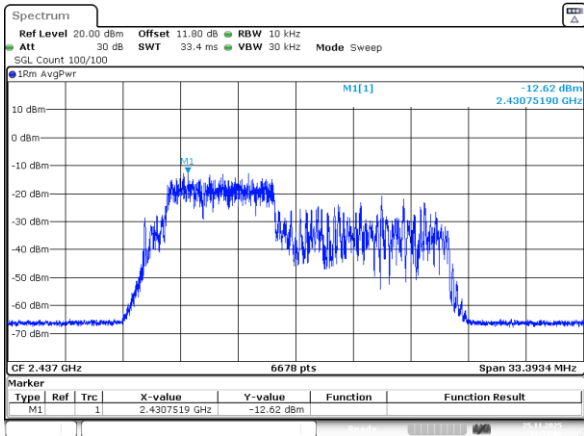
802.11be20_2412MHz_RU_26&52_MRU1_Chain 1



ProjectNo.:2509T61338E-RF Tester:Gavy Kim

Date: 25.NOV.2025 11:34:28

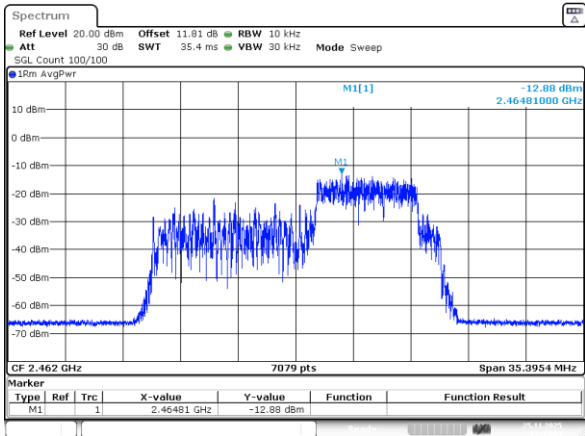
802.11be20_2437MHz_RU_26&52_MRU1_Chain 1



ProjectNo.:2509T61338E-RF Tester:Gavy Kim

Date: 25.NOV.2025 11:39:08

802.11be20_2462MHz_RU_26&52_MRU3_Chain 1

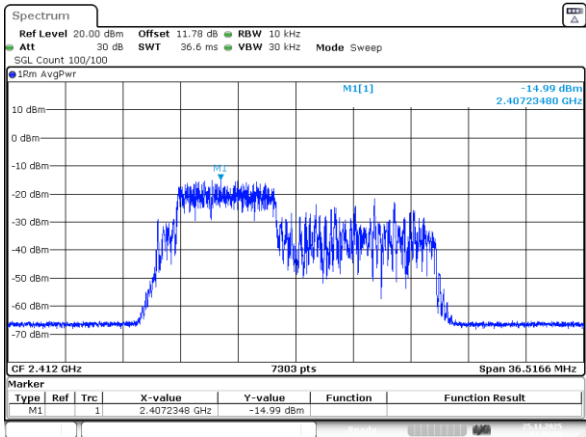


ProjectNo.:2509T61338E-RF Tester:Gavy Kim

Date: 25.NOV.2025 11:44:04

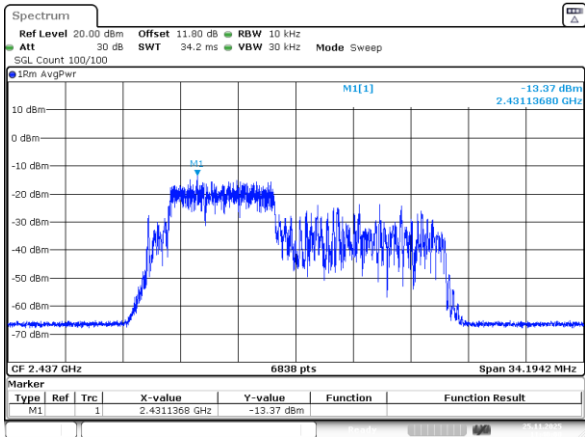
Chain 2

802.11be20_2412MHz_RU_26&52_MRU1_Chain 2



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 11:35:25

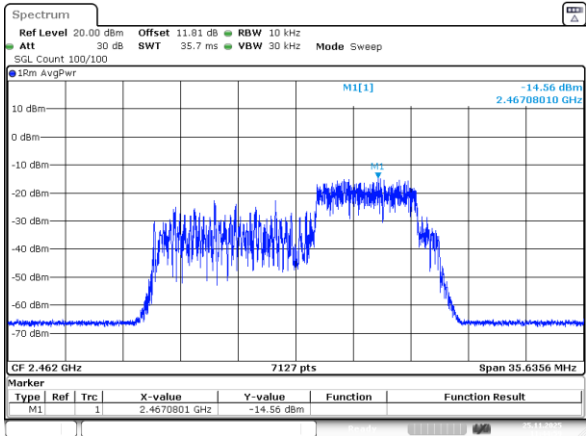
802.11be20_2437MHz_RU_26&52_MRU1_Chain 2



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 11:40:00

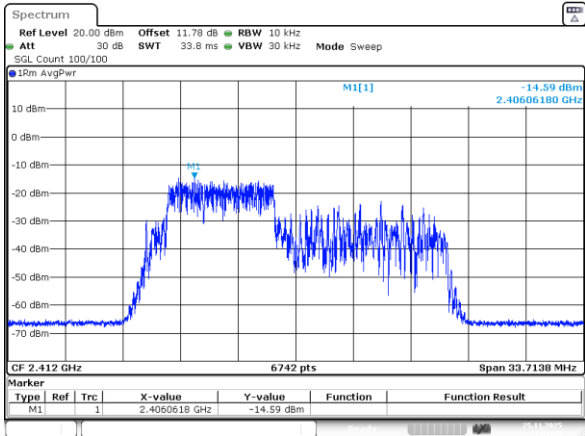
Chain 3

802.11be20_2462MHz_RU_26&52_MRU3_Chain 2



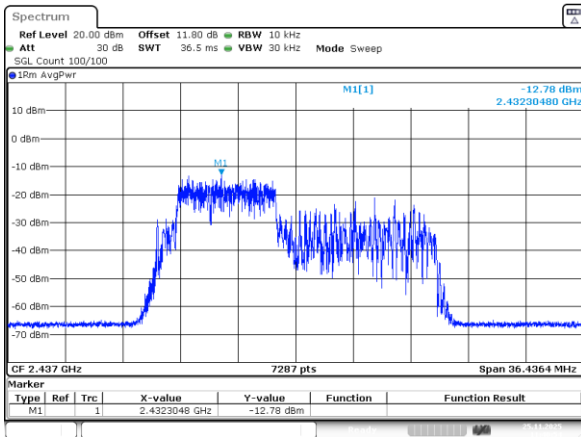
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 11:44:59

802.11be20_2412MHz_RU_26&52_MRU1_Chain 3



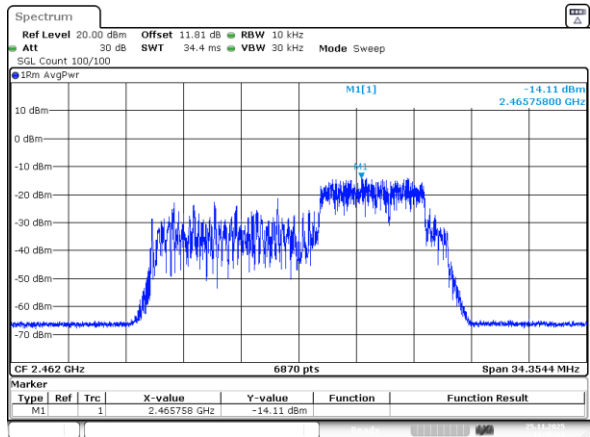
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 11:36:21

802.11be20_2437MHz_RU_26&52_MRU1_Chain 3



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 11:40:54

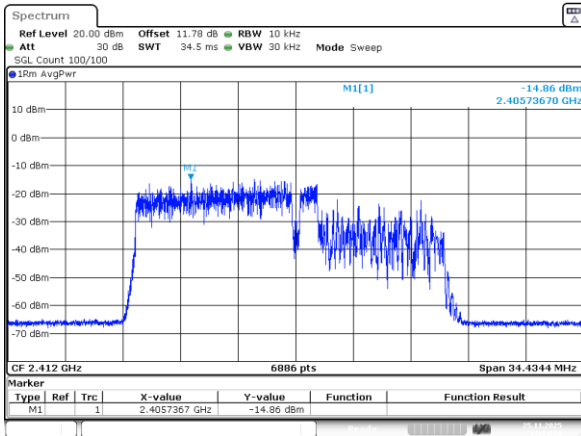
802.11be20_2462MHz_RU_26&52_MRU3_Chain 3



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 11:45:53

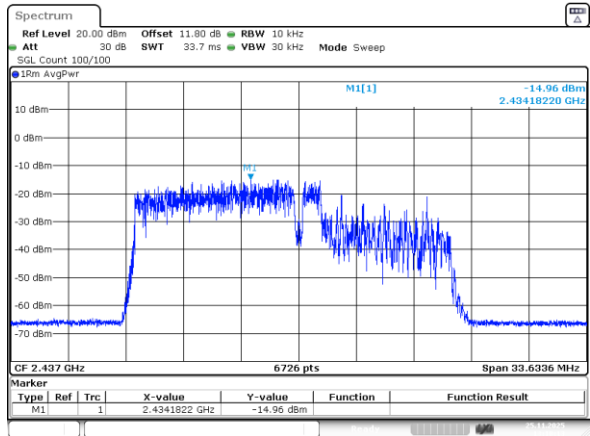
Chain 0

802.11be20_2412MHz_RU_26&106_MRU1_Chain 0



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:14:20

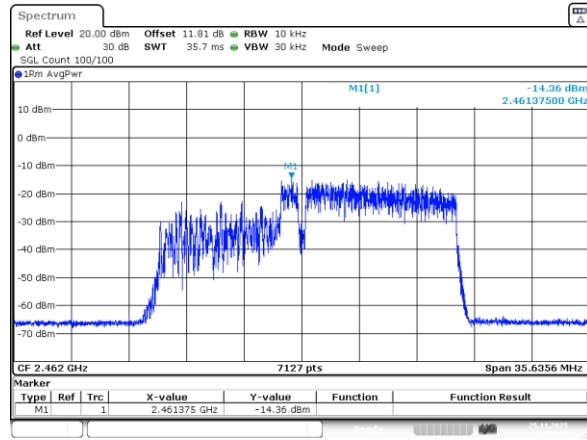
802.11be20_2437MHz_RU_26&106_MRU1_Chain 0



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:18:12

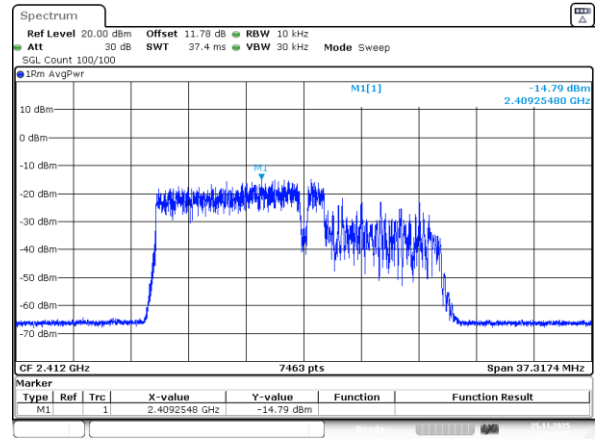
Chain 1

802.11be20_2462MHz_RU_26&106_MRU2_Chain 0



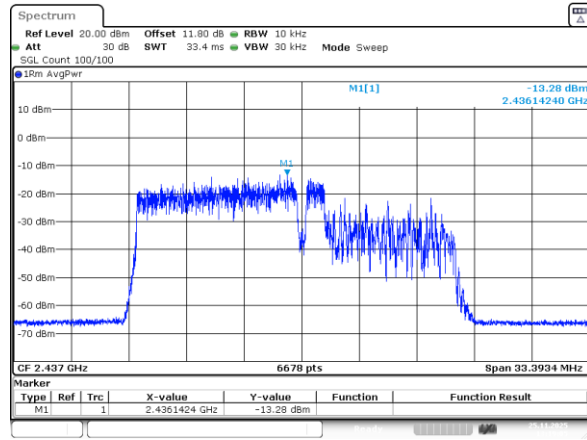
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:27:21

802.11be20_2412MHz_RU_26&106_MRU1_Chain 1



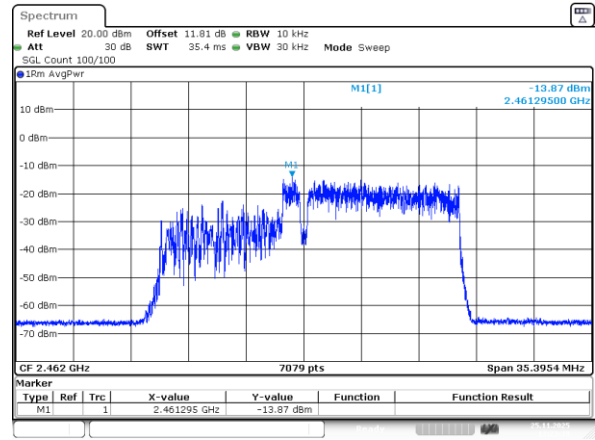
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:15:17

802.11be20_2437MHz_RU_26&106_MRU1_Chain 1



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:19:05

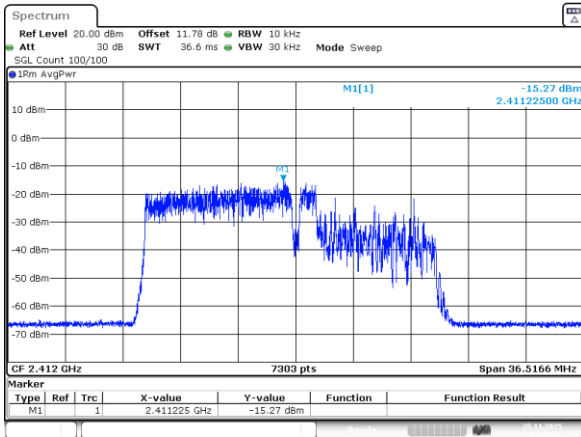
802.11be20_2462MHz_RU_26&106_MRU2_Chain 1



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:23:37

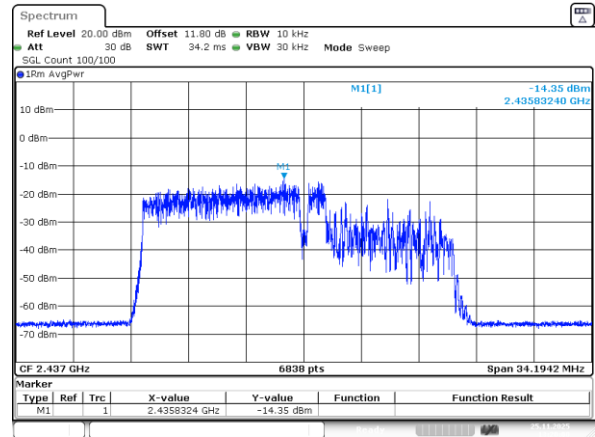
Chain 2

802.11be20_2412MHz_RU_26&106_MRU1_Chain 2



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:16:12

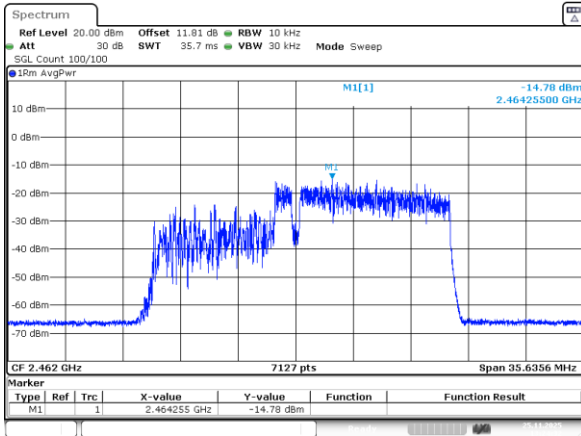
802.11be20_2437MHz_RU_26&106_MRU1_Chain 2



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:20:01

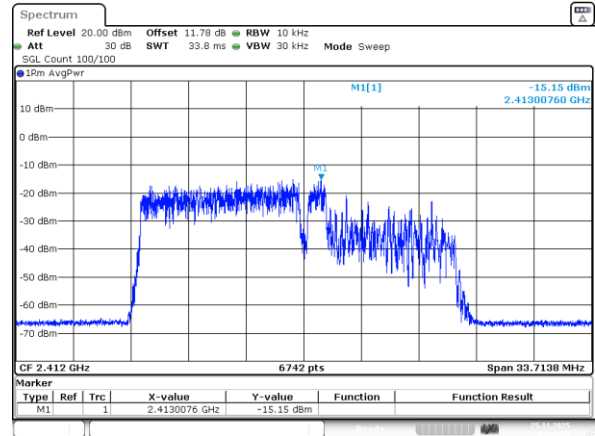
Chain 3

802.11be20_2462MHz_RU_26&106_MRU2_Chain 2



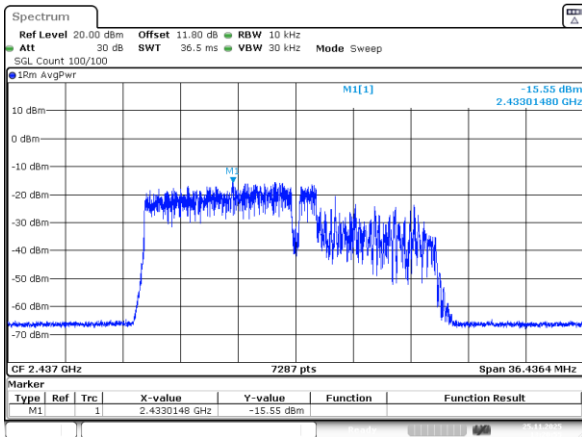
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:24:32

802.11be20_2412MHz_RU_26&106_MRU1_Chain 3



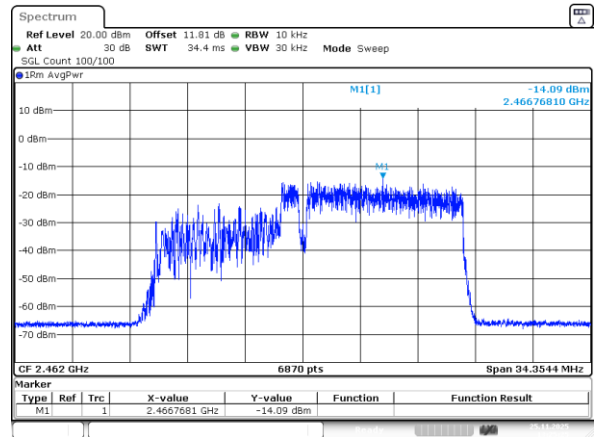
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:17:06

802.11be20_2437MHz_RU_26&106_MRU1_Chain 3



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
 Date: 25.NOV.2025 13:20:55

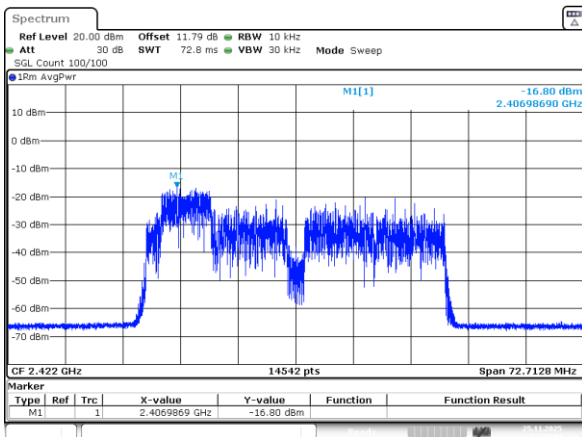
802.11be20_2462MHz_RU_26&106_MRU2_Chain 3



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
 Date: 25.NOV.2025 13:25:24

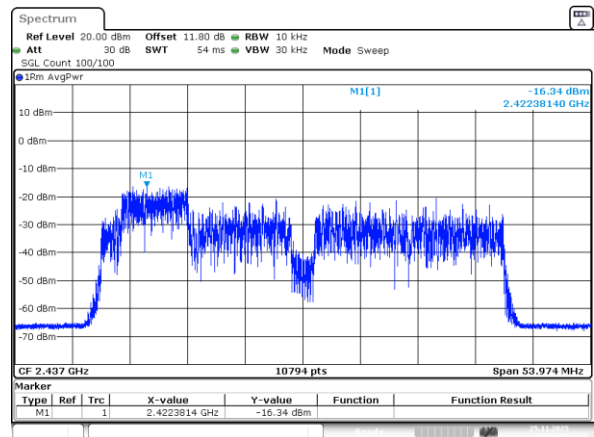
Chain 0

802.11be40_2422MHz_RU_26&52_MRU1_Chain 0



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
 Date: 25.NOV.2025 13:34:04

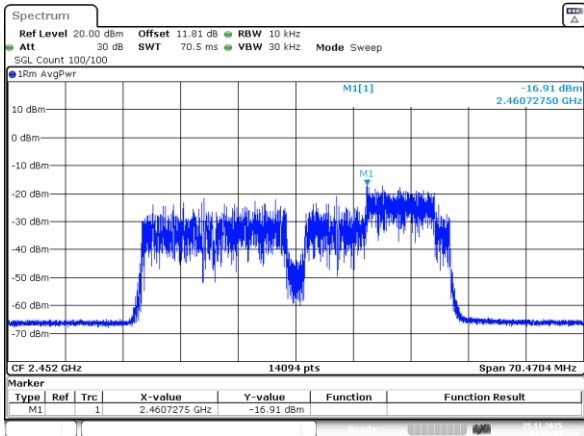
802.11be40_2437MHz_RU_26&52_MRU1_Chain 0



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
 Date: 25.NOV.2025 13:51:03

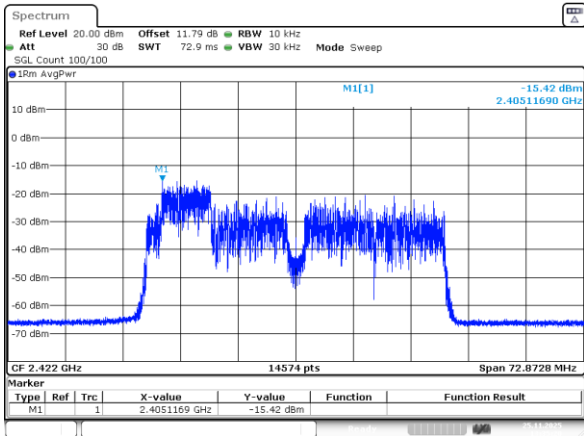
Chain 1

802.11be40_2452MHz_RU_26&52_MRU6_Chain 0



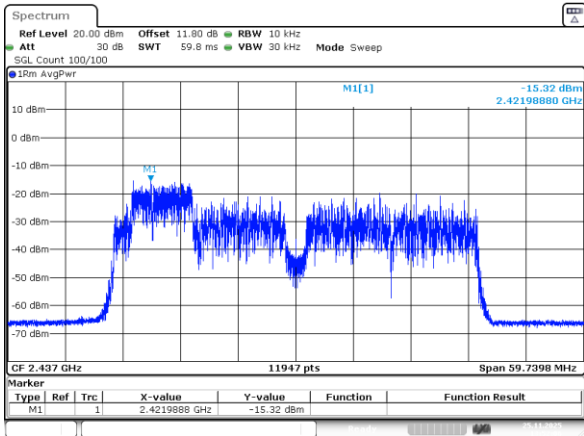
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:56:49

802.11be40_2422MHz_RU_26&52_MRU1_Chain 1



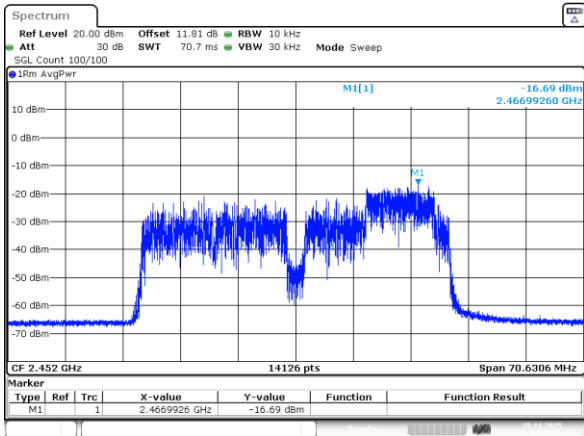
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:35:19

802.11be40_2437MHz_RU_26&52_MRU1_Chain 1



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:52:06

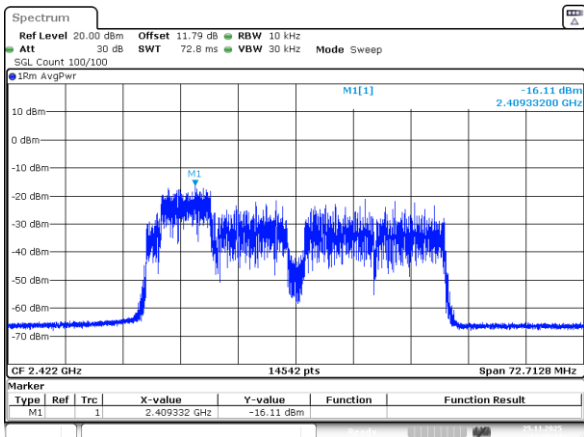
802.11be40_2452MHz_RU_26&52_MRU6_Chain 1



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:57:53

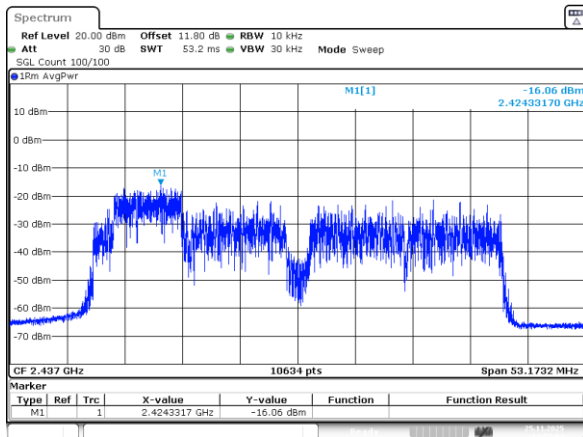
Chain 2

802.11be40_2422MHz_RU_26&52_MRU1_Chain 2



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:16:14

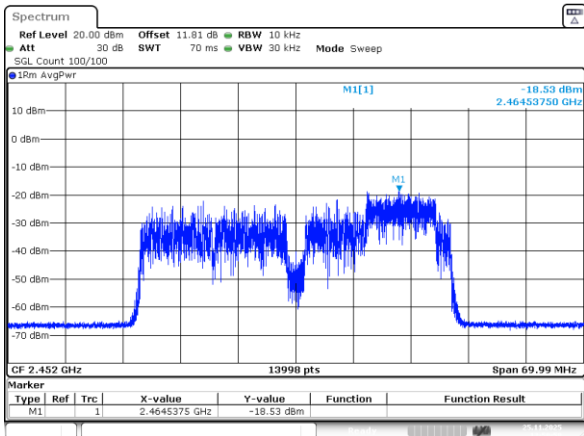
802.11be40_2437MHz_RU_26&52_MRU1_Chain 2



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:53:05

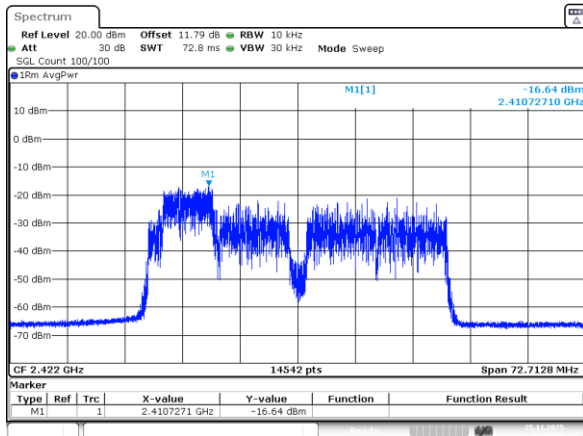
Chain 3

802.11be40_2452MHz_RU_26&52_MRU6_Chain 2



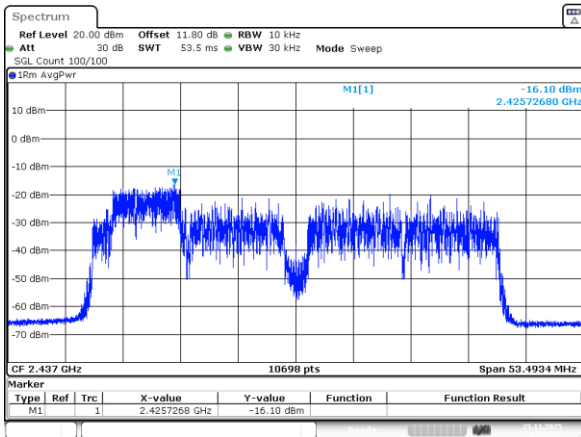
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:58:58

802.11be40_2422MHz_RU_26&52_MRU1_Chain 3



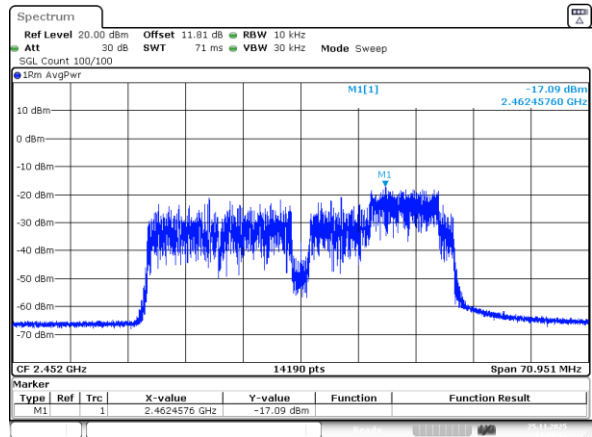
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:37:48

802.11be40_2437MHz_RU_26&52_MRU1_Chain 3



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:54:07

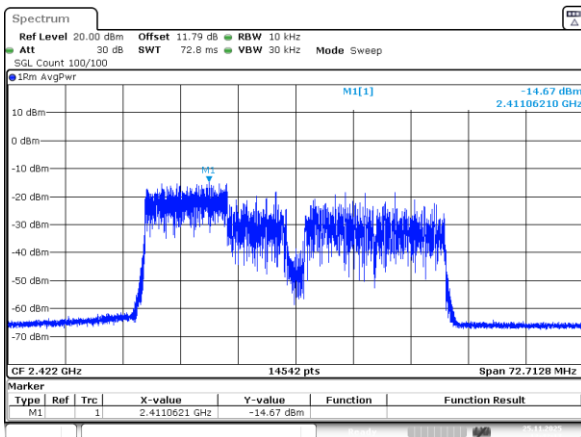
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ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 14:00:12

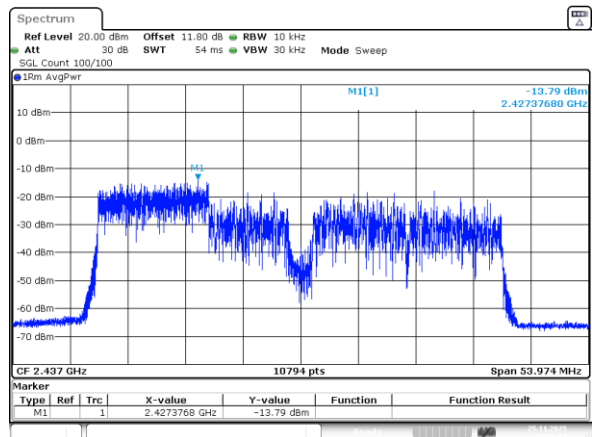
Chain 0

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ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:42:17

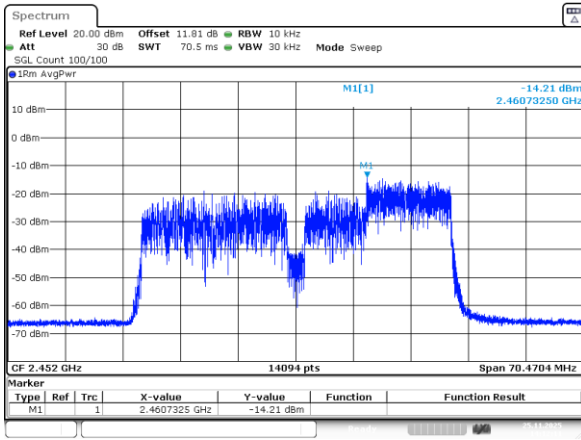
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ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 14:06:04

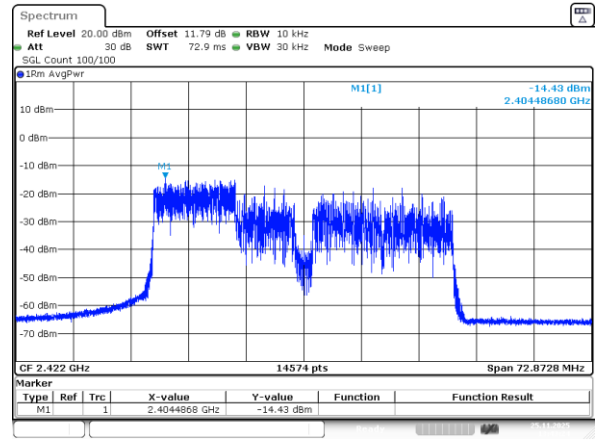
Chain 1

802.11be40_2452MHz_RU_26&106_MRU4_Chain 0



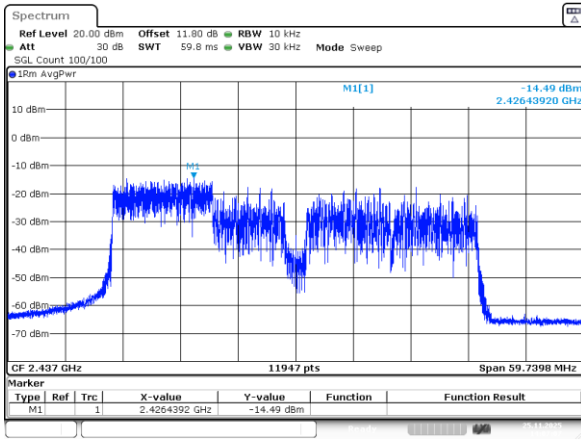
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Date: 25.NOV.2025 14:12:11

802.11be40_2422MHz_RU_26&106_MRU1_Chain 1



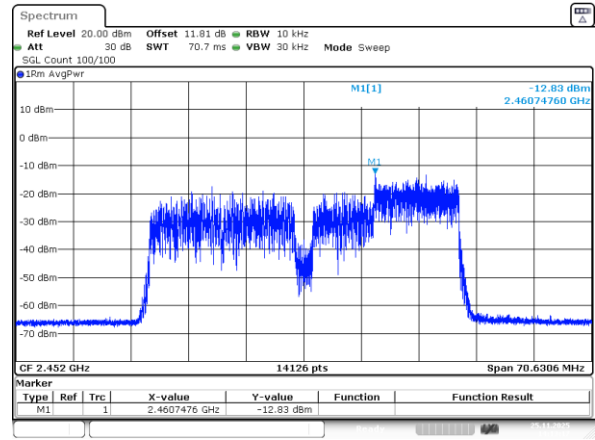
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802.11be40_2437MHz_RU_26&106_MRU1_Chain 1



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 14:07:06

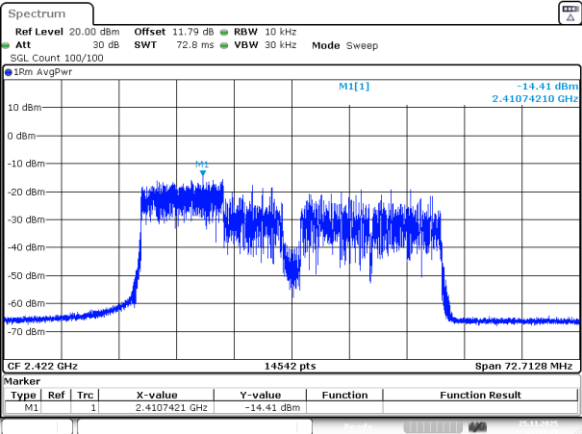
802.11be40_2452MHz_RU_26&106_MRU4_Chain 1



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 14:13:17

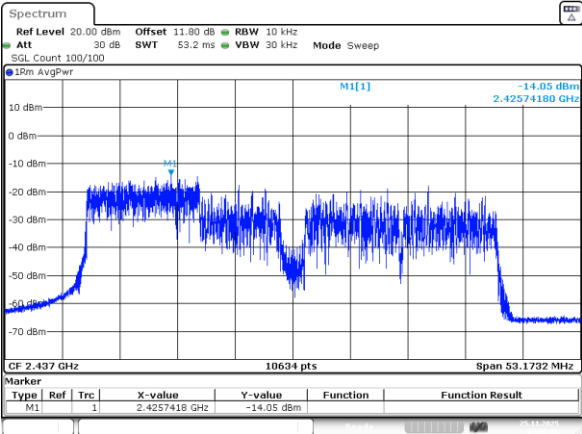
Chain 2

802.11be40_2422MHz_RU_26&106_MRU1_Chain 2



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:44:29

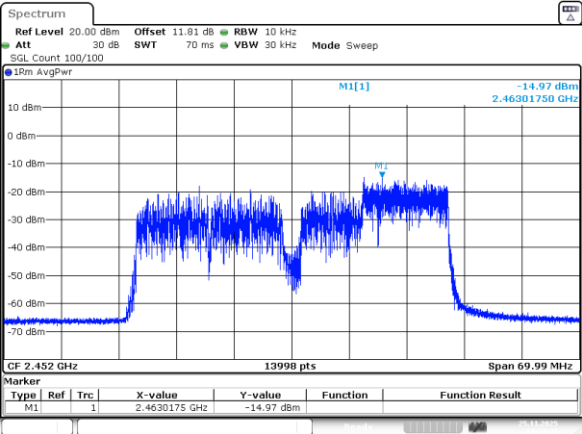
802.11be40_2437MHz_RU_26&106_MRU1_Chain 2



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 14:08:06

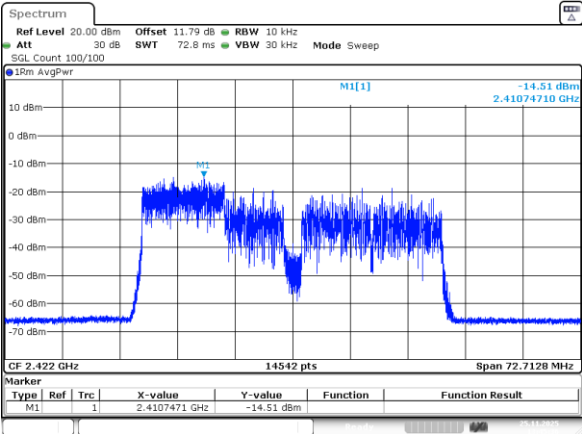
Chain 3

802.11be40_2452MHz_RU_26&106_MRU4_Chain 2



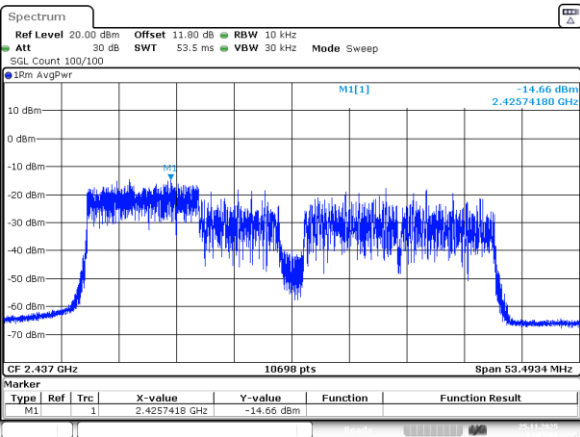
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Date: 25.NOV.2025 14:14:27

802.11be40_2422MHz_RU_26&106_MRU1_Chain 3



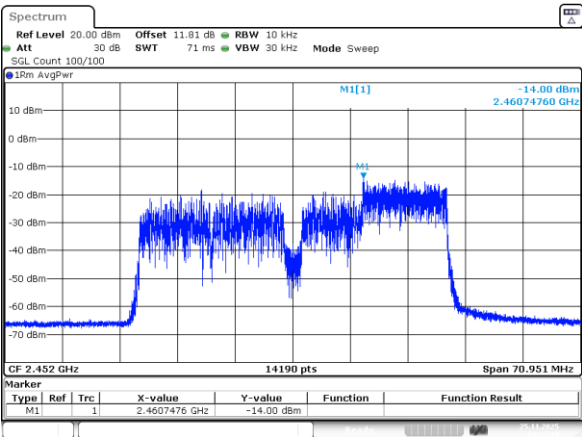
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2025 13:49:36

802.11be40_2437MHz_RU_26&106_MRU1_Chain 3



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2023 14:09:06

802.11be40_2452MHz_RU_26&106_MRU4_Chain 3



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 25.NOV.2023 14:15:35

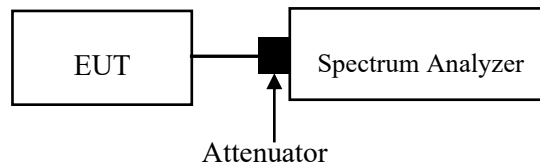
C63.10 §11.6- DUTY CYCLE

Test Procedure

According to ANSI C63.10-2020 Section 11.6

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. Set detector = peak or average.
- 4) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if $T \leq 16.7 \mu s$.)



Test Data

Environmental Conditions

Temperature:	18.7 °C
Relative Humidity:	47 %
ATM Pressure:	101.8 kPa

The testing was performed by Gavy Kim on 2025/11/13.

EUT operation mode: Transmitting

Test Result: Compliant.

BLE 1M

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	0.393	0.625	62.88	2.01	2545	3

BLE 2M

Channel	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
Middle	0.209	0.625	33.44	4.76	4785	5

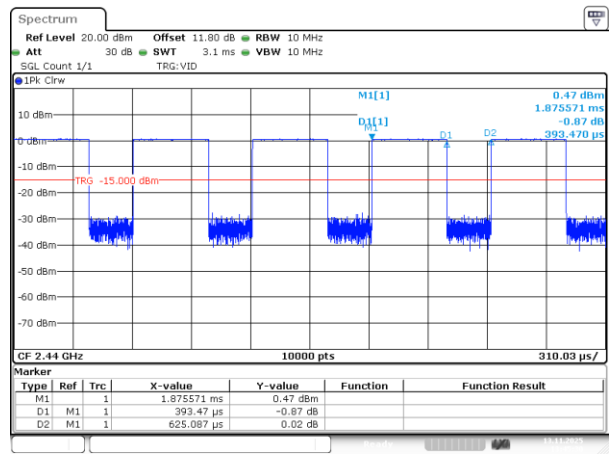
2.4G WIFI

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11b	2437	8.386	8.466	99.06	-	-	0.010
802.11g	2437	1.391	1.445	96.26	0.17	719	1
802.11n20	2437	1.306	1.370	95.33	0.21	766	1
802.11n40	2437	0.648	0.700	92.57	0.34	1543	2
802.11be20_RU_242/61	2437	0.440	0.493	89.25	0.49	2273	3
802.11be40_RU_484/65	2437	0.444	0.506	87.75	0.57	2252	3

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

BLE 1M

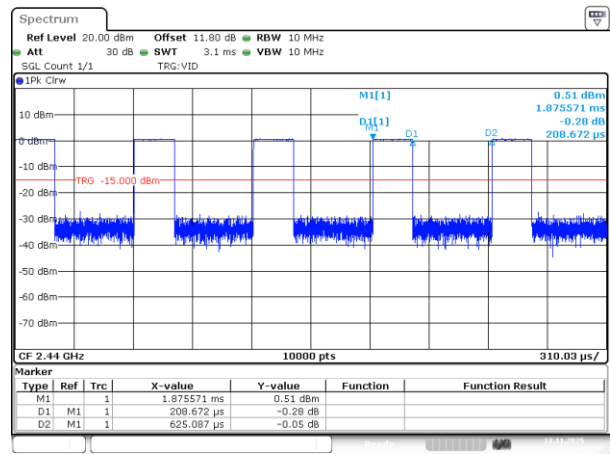
BLE_1M_Middle_Channel



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 13:45:30

BLE 2M

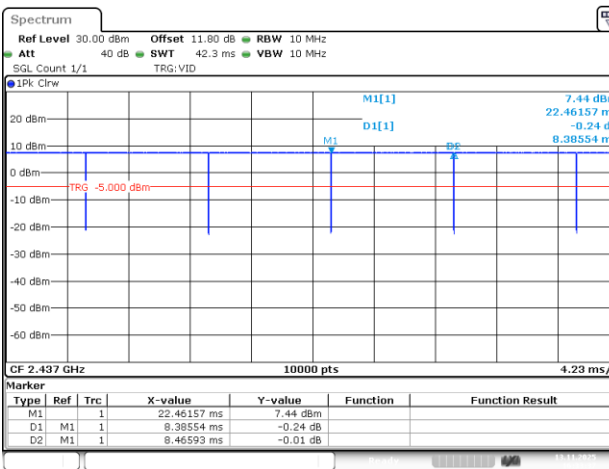
BLE_2M_Middle_Channel



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 13:46:17

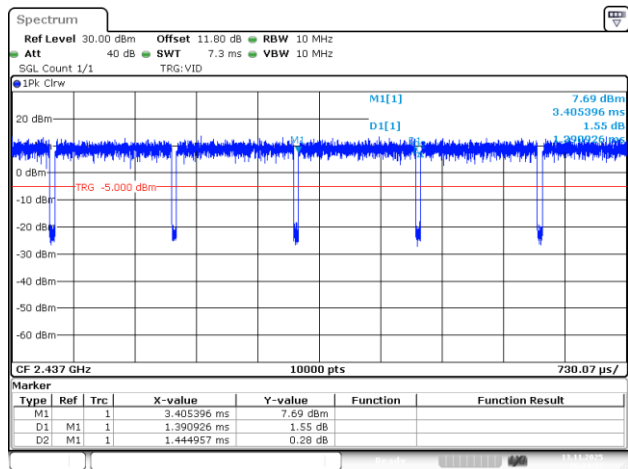
2.4G WIFI

802.11b_2437MHz



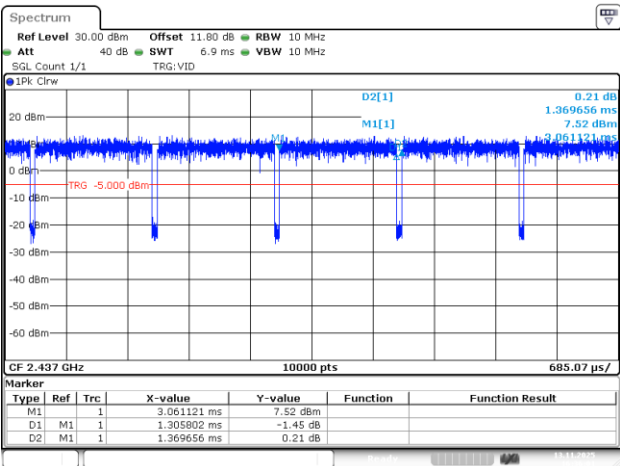
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 16:33:37

802.11g_2437MHz



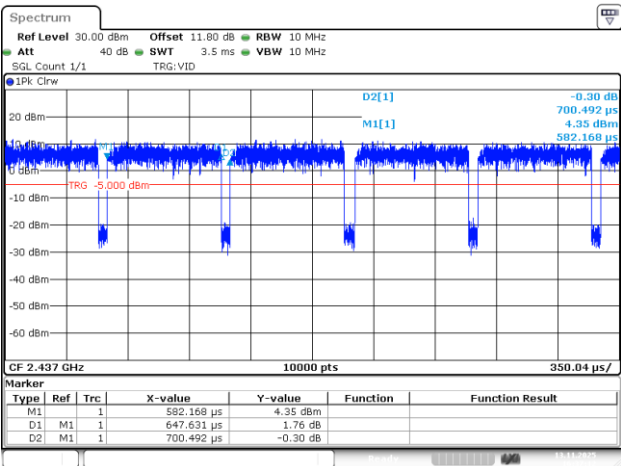
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 16:34:33

802.11n20_2437MHz



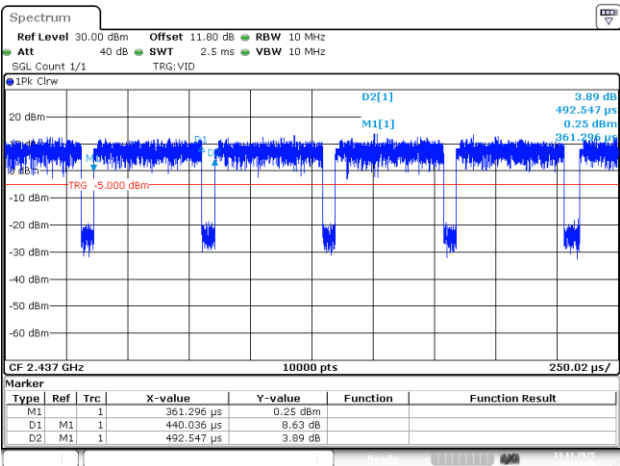
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 16:36:01

802.11n40_2437MHz



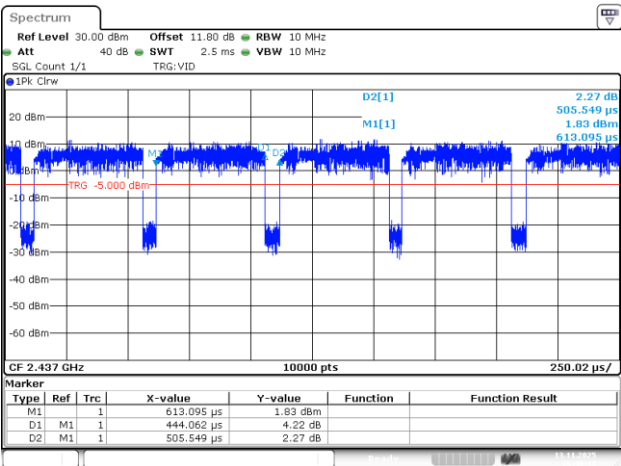
ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 16:37:12

802.11be20_2437MHz_RU_242/61



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 16:38:41

802.11be40_2437MHz_RU_484/65



ProjectNo.:2509T61338E-RF Tester:Gavy Kim
Date: 13.NOV.2025 16:40:18

EUT PHOTOGRAPHS

Please refer to the attachment 2504Z00193E-RF EUT External Photos* and 2504Z00193E-RF EUT Internal Photos*.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2509T61338E-RF Test Setup photo.

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