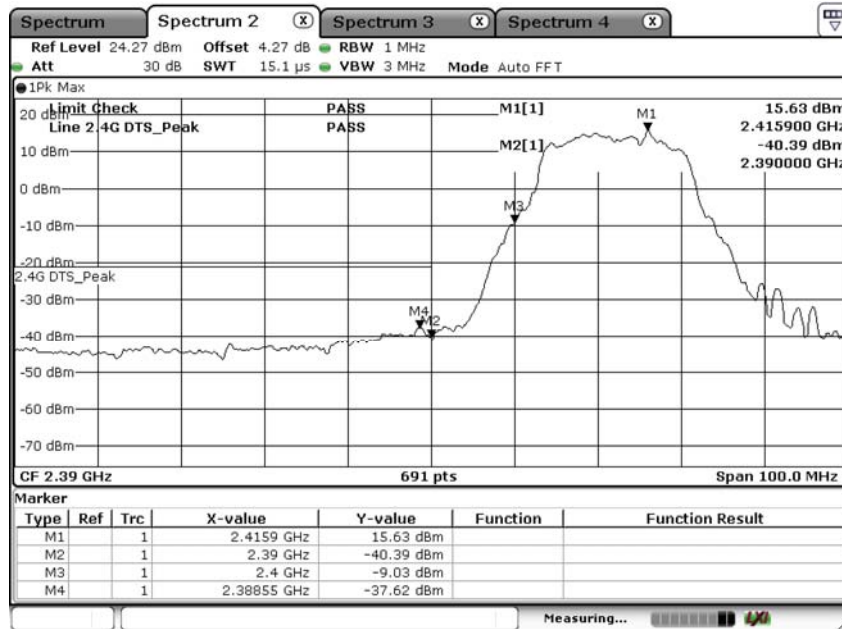


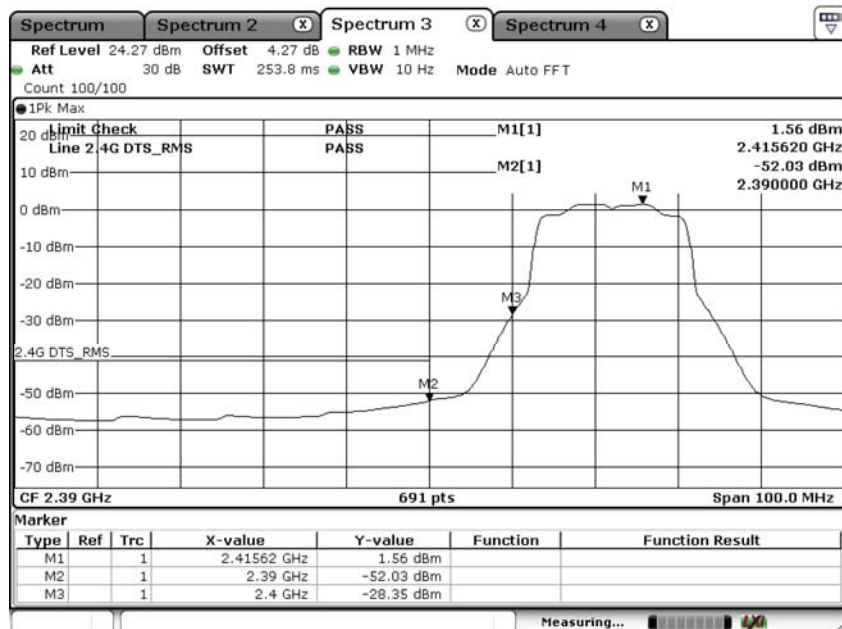
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps) (2412MHz)
Test Date : 2020/05/28

Peak: - Chain B



Date: 22.MAY.2020 05:36:30

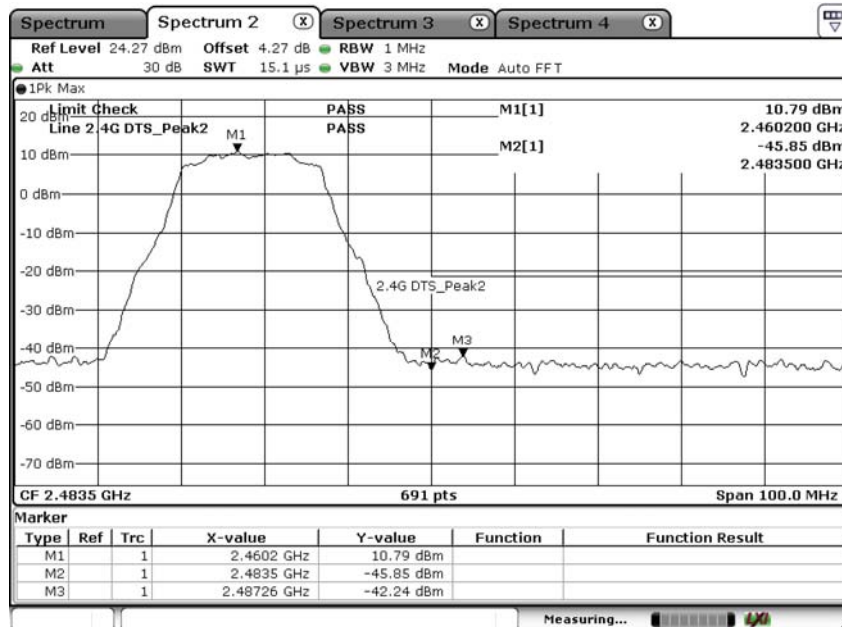
Average: - Chain B



Date: 22.MAY.2020 05:39:20

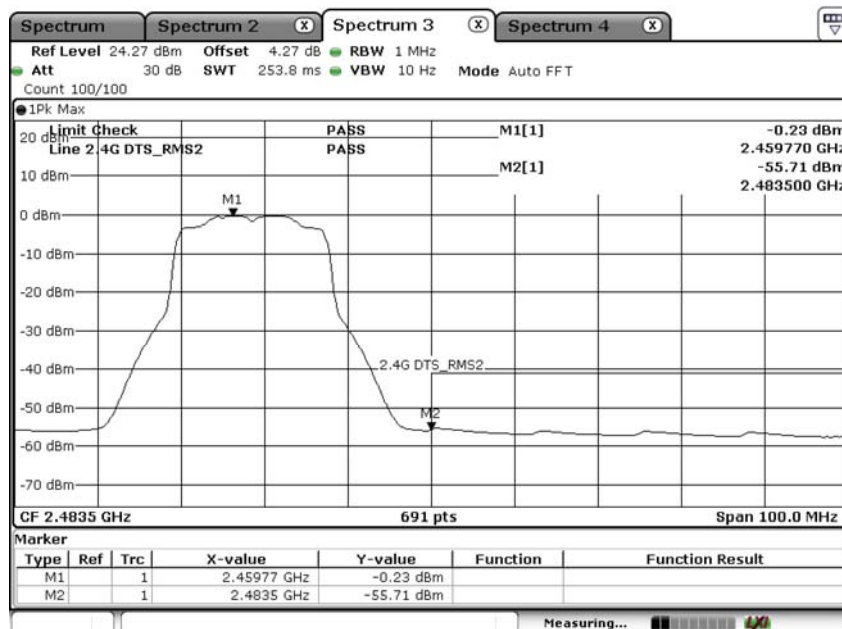
Product : Portable computer
 Test Item : Band Edge Data
 Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps) (2462MHz)
 Test Date : 2020/05/28

Peak: - Chain A



Date: 22.MAY.2020 06:12:34

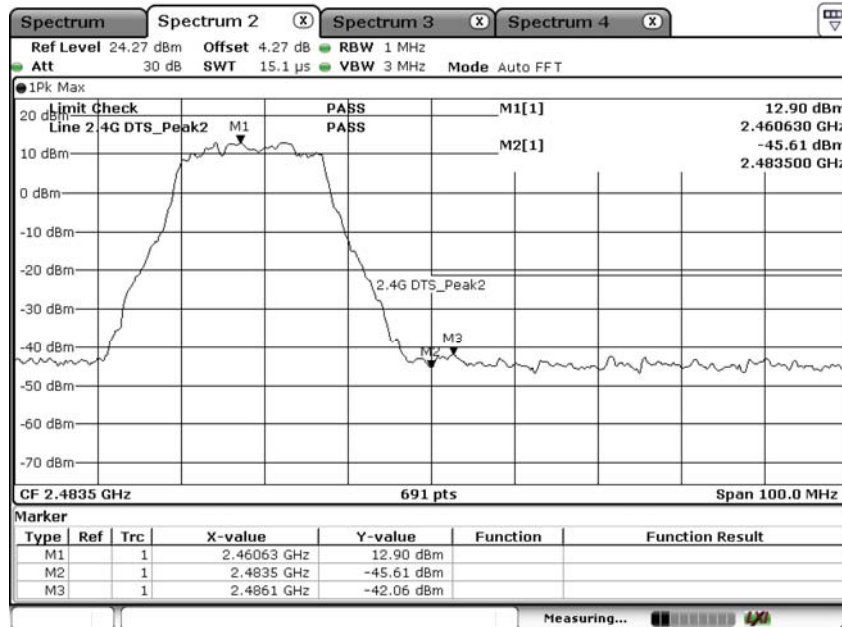
Average: - Chain A



Date: 22.MAY.2020 06:09:39

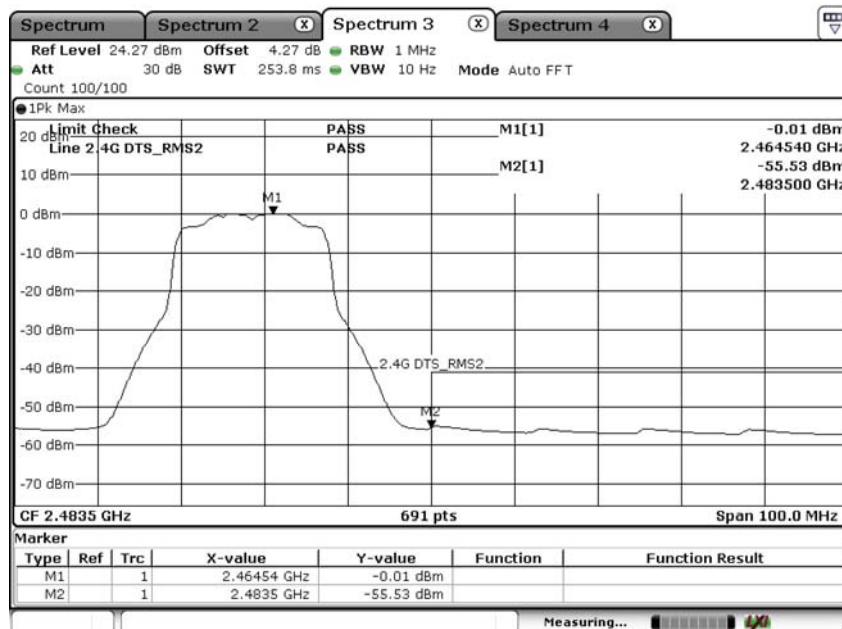
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps) (2462MHz)
Test Date : 2020/05/28

Peak: - Chain B



Date: 22.MAY.2020 06:05:47

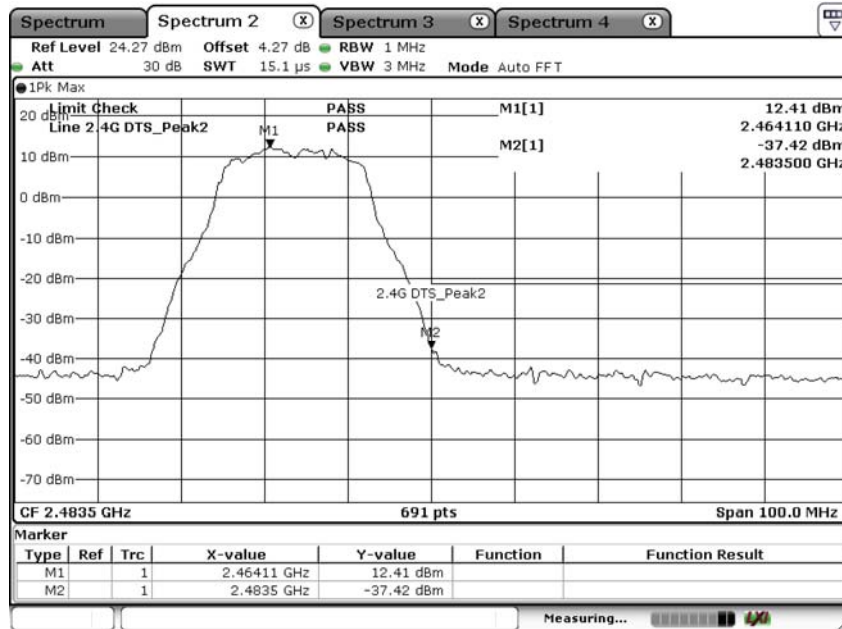
Average: - Chain B



Date: 22.MAY.2020 06:08:50

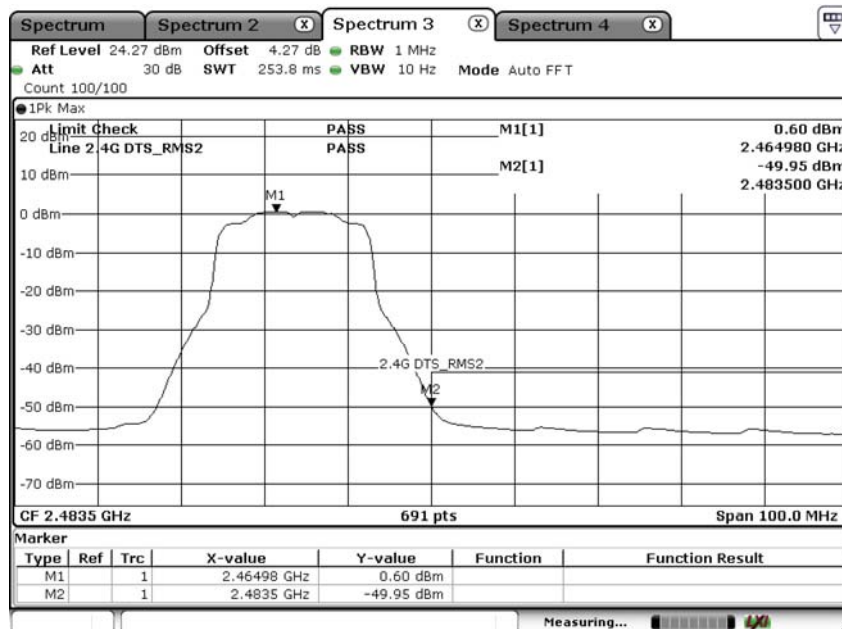
Product : Portable computer
 Test Item : Band Edge Data
 Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps) (2467MHz)
 Test Date : 2020/05/28

Peak: - Chain A



Date: 19.MAY.2020 04:10:49

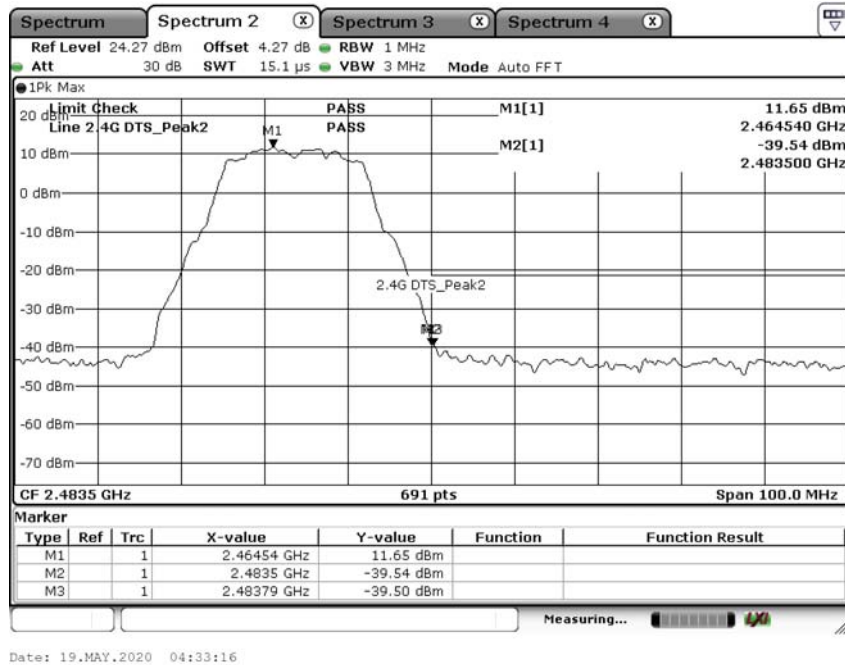
Average: - Chain A



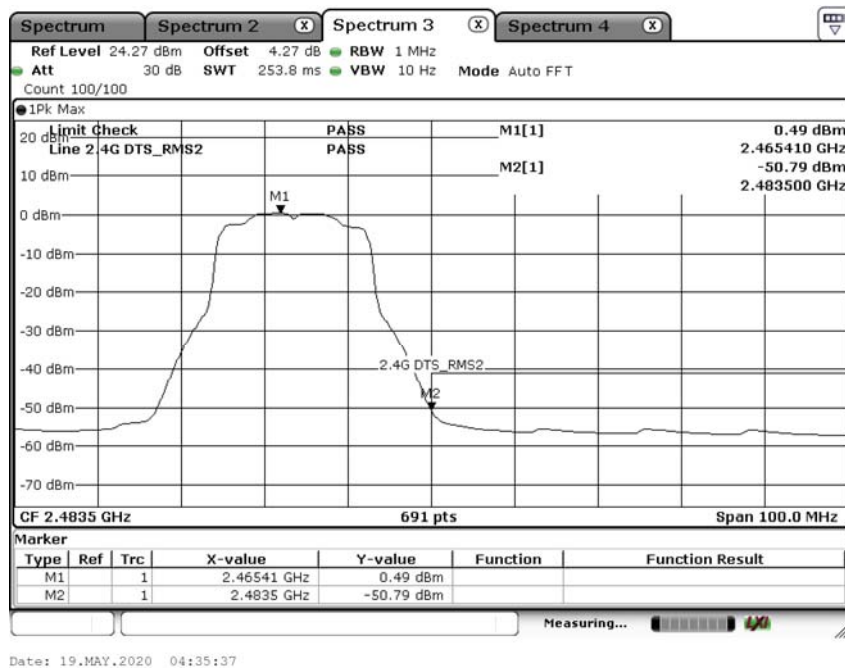
Date: 19.MAY.2020 04:29:49

Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps) (2467MHz)
Test Date : 2020/05/28

Peak: - Chain B

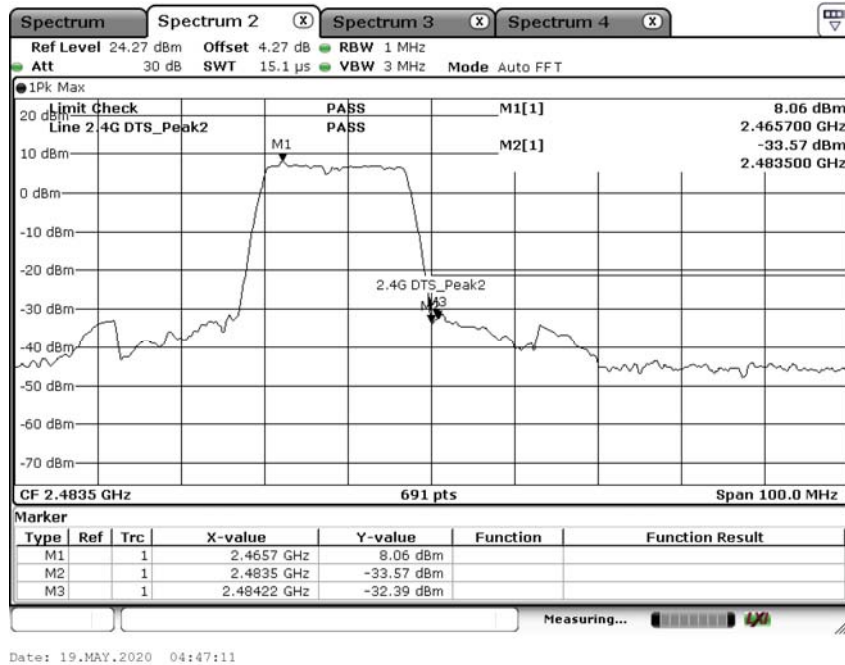


Average: - Chain B

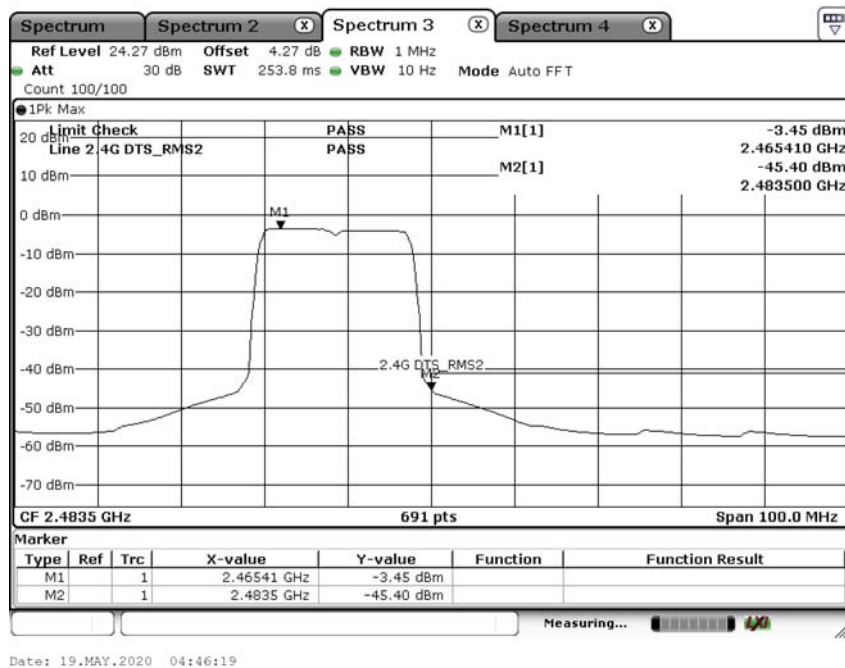


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps) (2472MHz)
Test Date : 2020/05/28

Peak: - Chain A

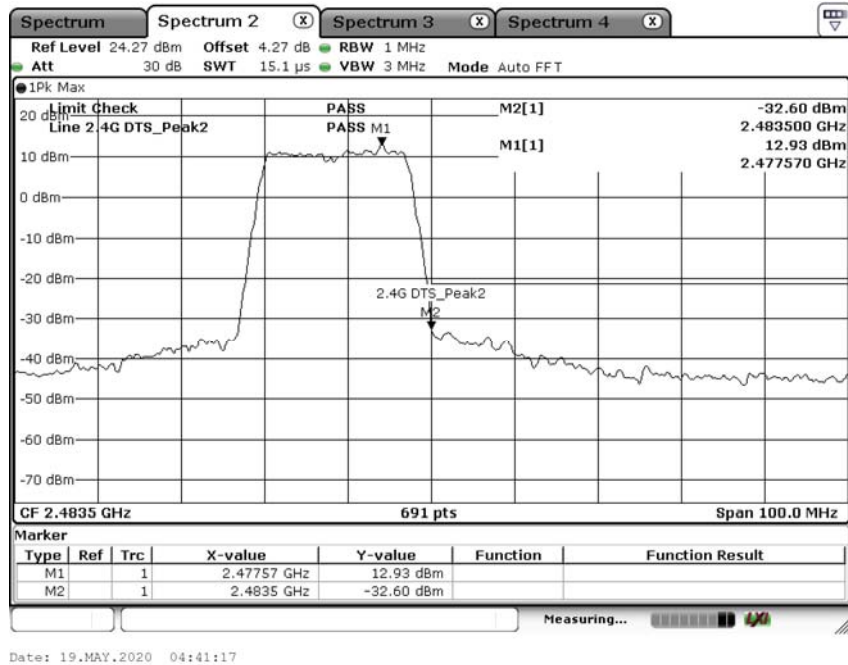


Average: - Chain A

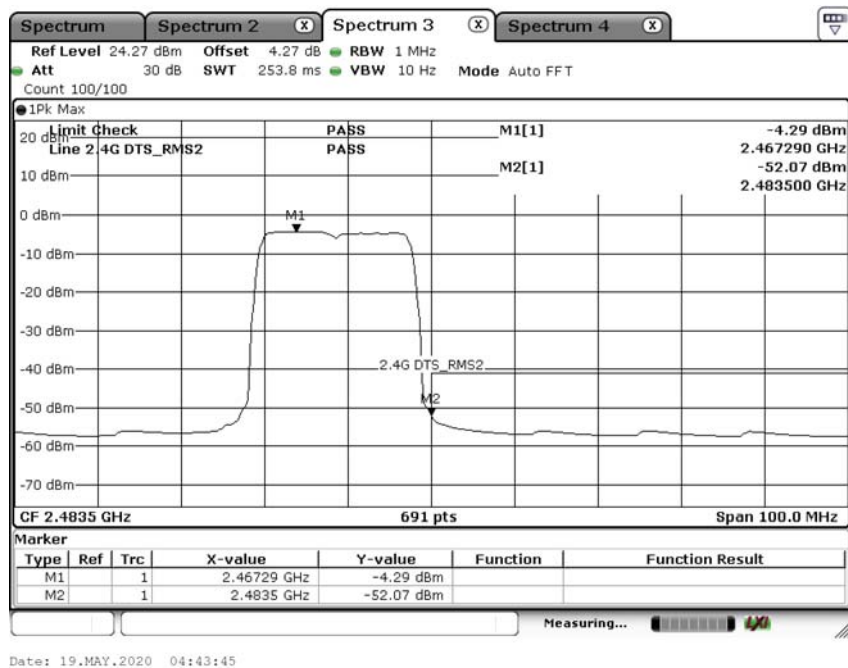


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps) (2472MHz)
Test Date : 2020/05/28

Peak: - Chain B

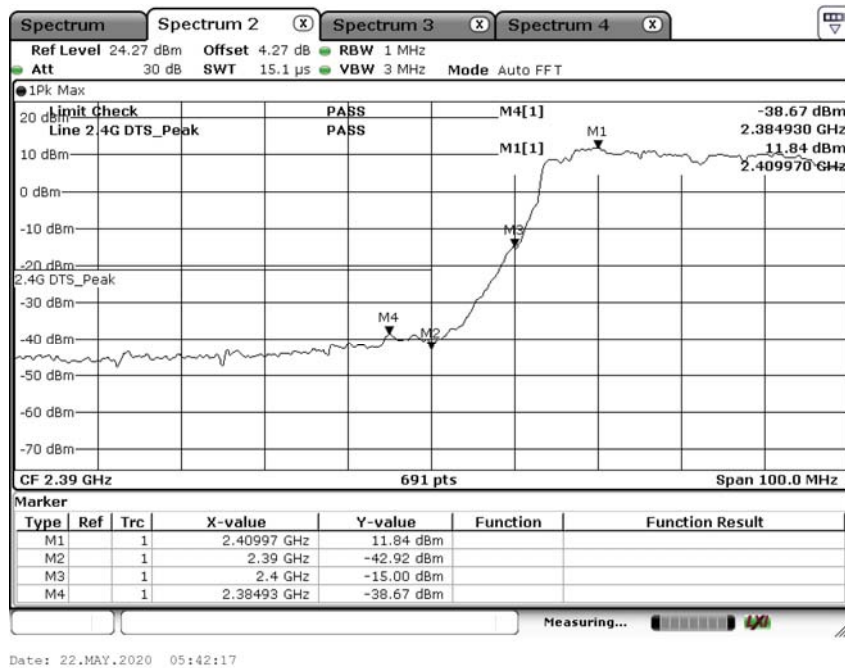


Average: - Chain B

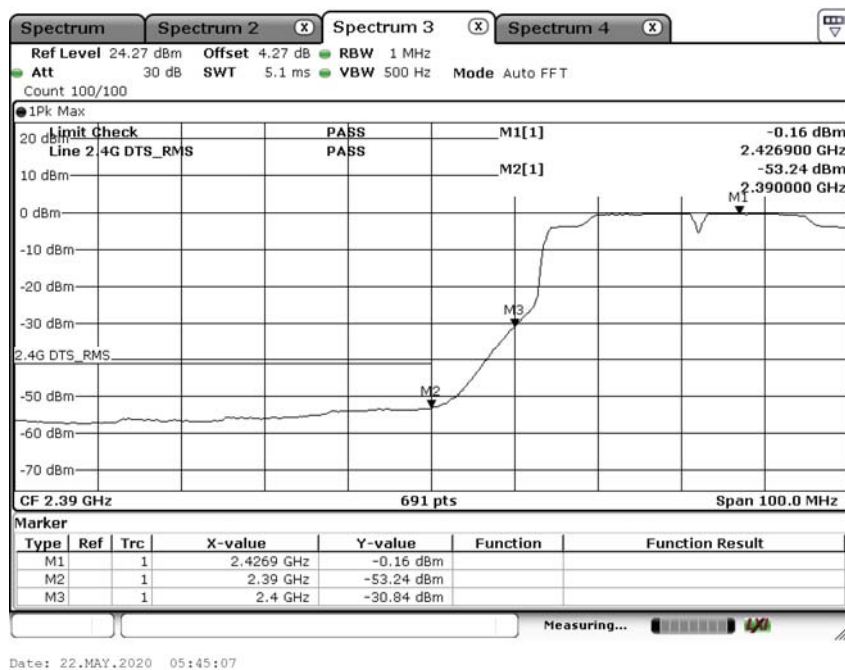


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps) (2422MHz)
Test Date : 2020/05/28

Peak: - Chain A

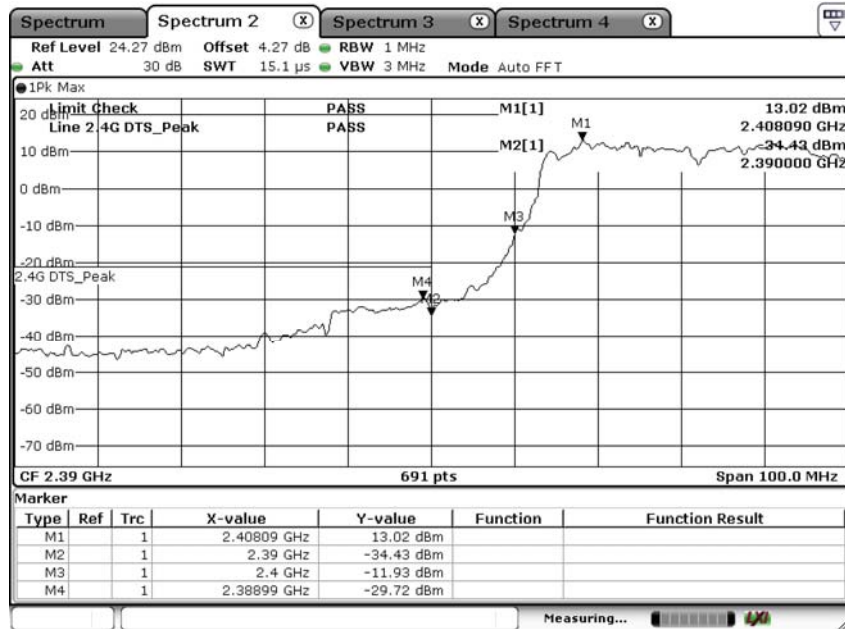


Average: - Chain A



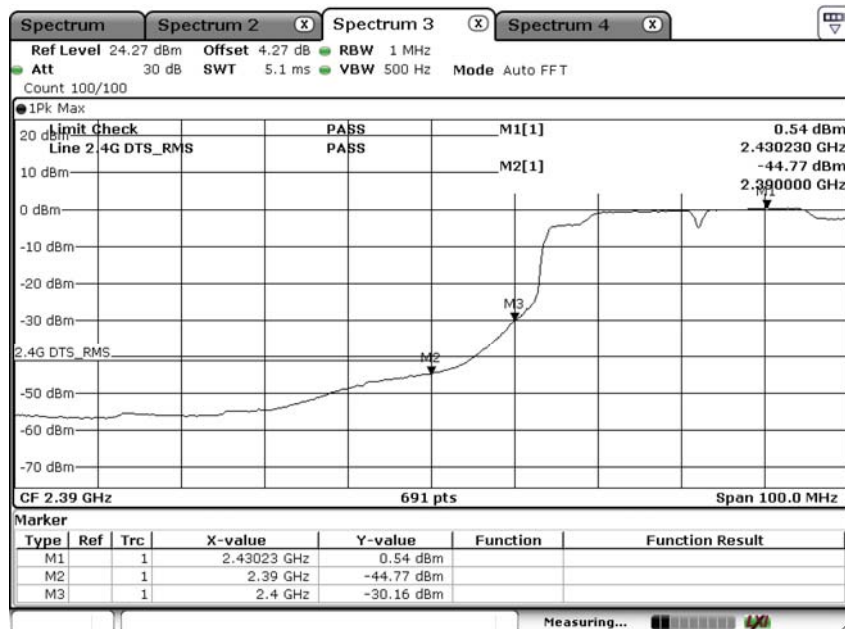
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps) (2422MHz)
Test Date : 2020/05/28

Peak: - Chain B



Date: 22.MAY.2020 05:41:29

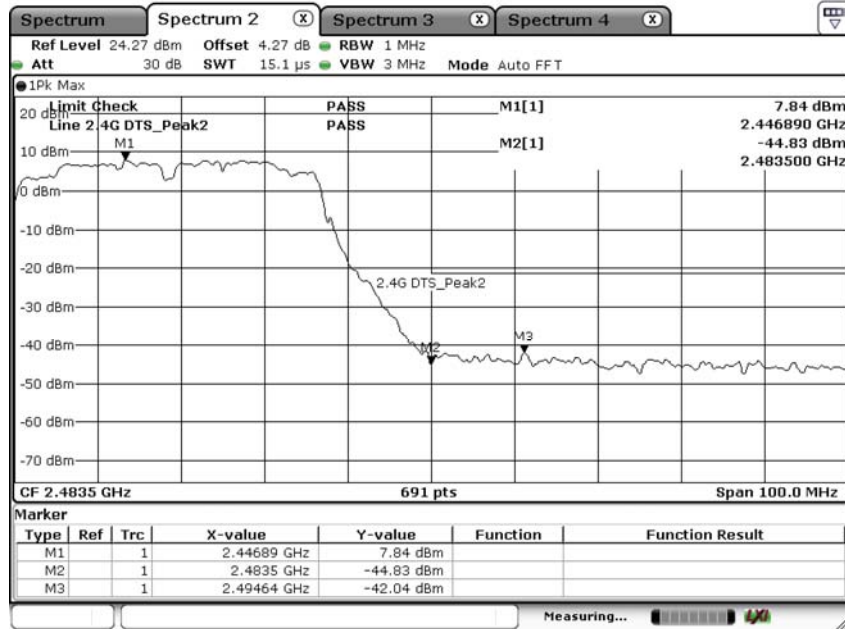
Average: - Chain B



Date: 22.MAY.2020 05:43:39

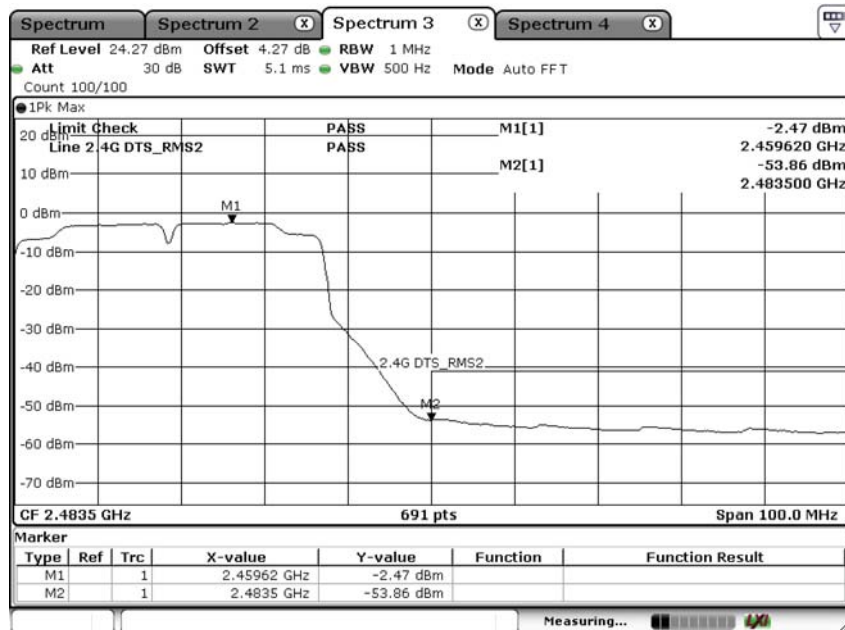
Product : Portable computer
 Test Item : Band Edge Data
 Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps) (2452MHz)
 Test Date : 2020/05/28

Peak: - Chain A



Date: 22.MAY.2020 06:16:18

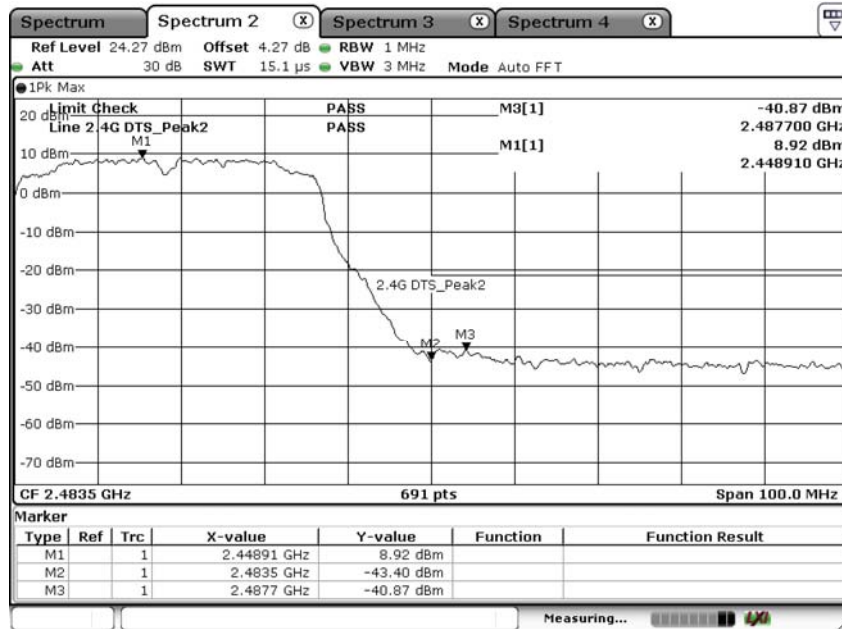
Average: - Chain A



Date: 22.MAY.2020 06:17:28

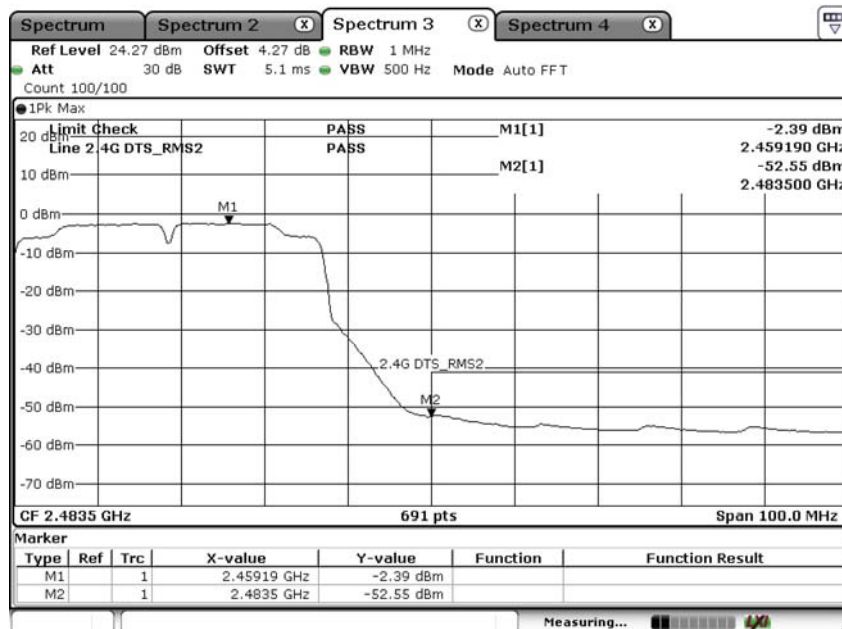
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps) (2452MHz)
Test Date : 2020/05/28

Peak: - Chain B



Date: 22.MAY.2020 06:16:01

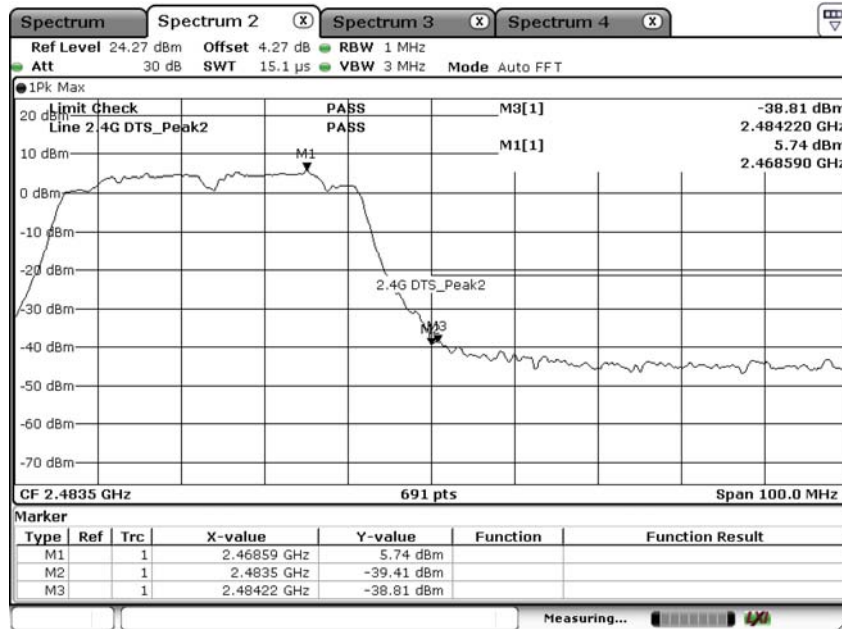
Average: - Chain B



Date: 22.MAY.2020 06:16:38

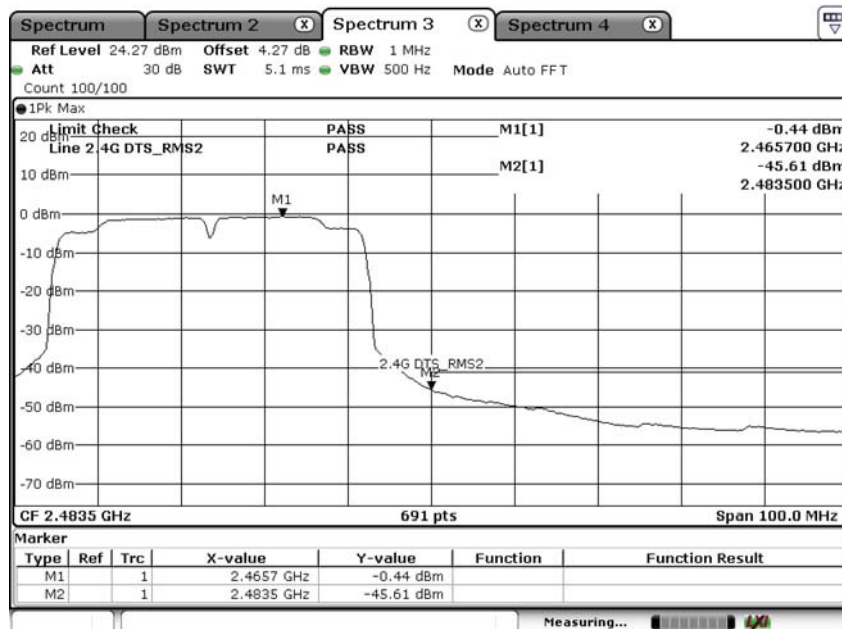
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps) (2457MHz)
Test Date : 2020/05/28

Peak: - Chain A



Date: 19.MAY.2020 04:50:36

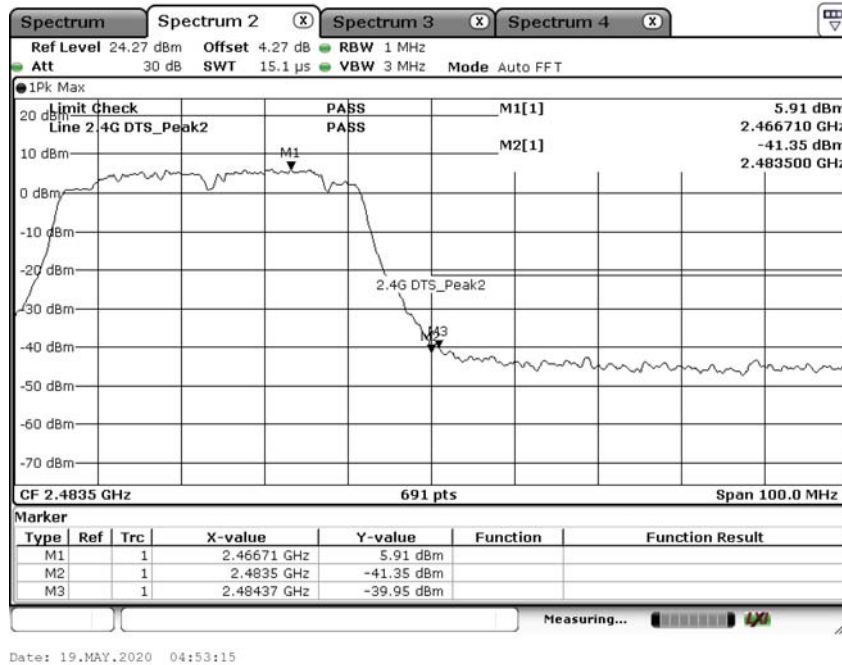
Average: - Chain A



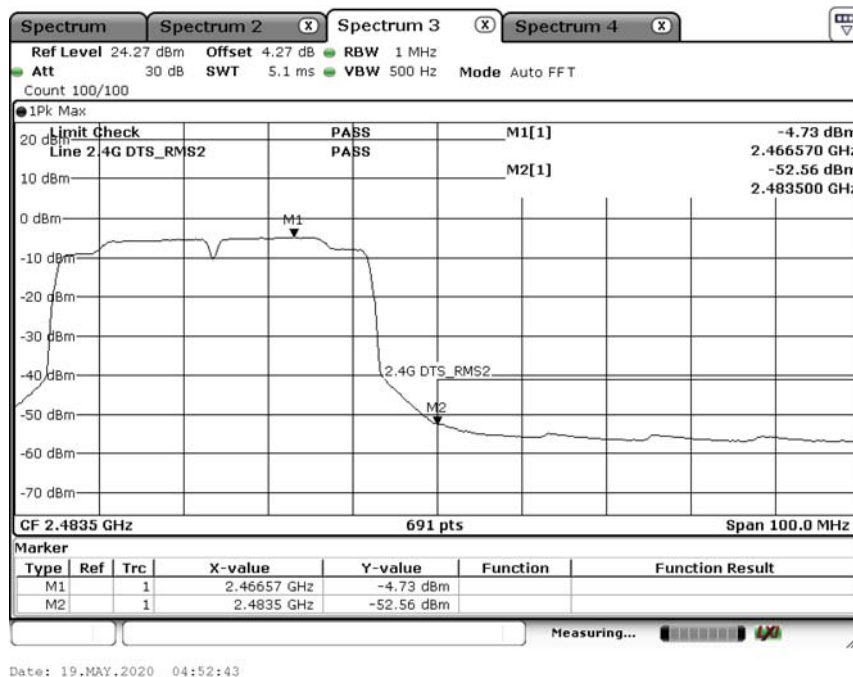
Date: 19.MAY.2020 04:51:52

Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps) (2457MHz)
Test Date : 2020/05/28

Peak: - Chain B

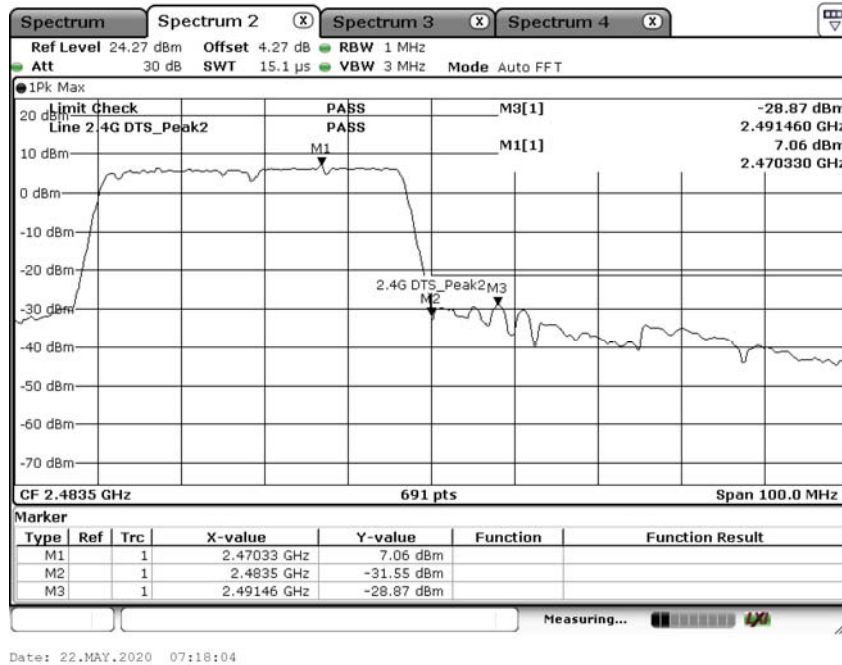


Average: - Chain B

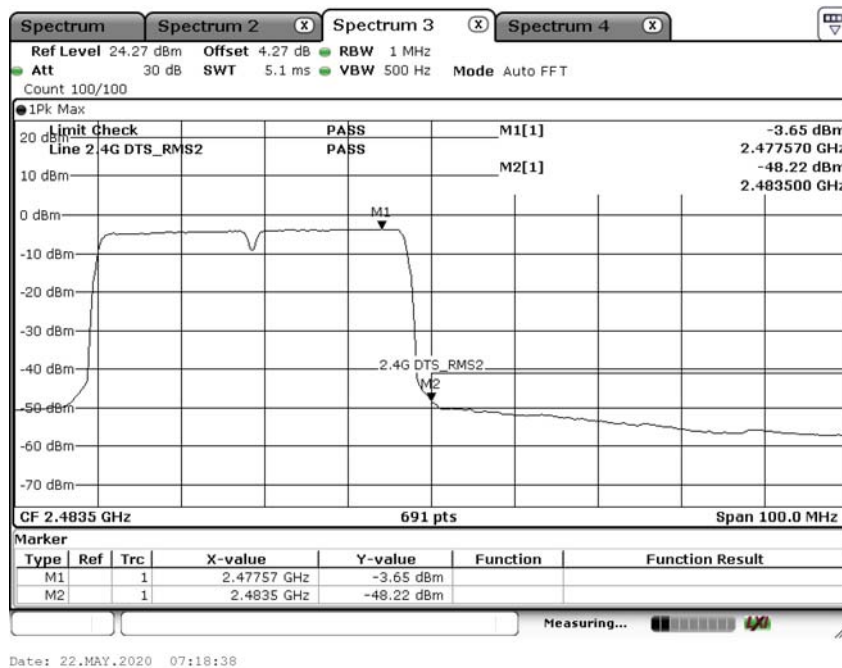


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps) (2462MHz)
Test Date : 2020/05/28

Peak: - Chain A

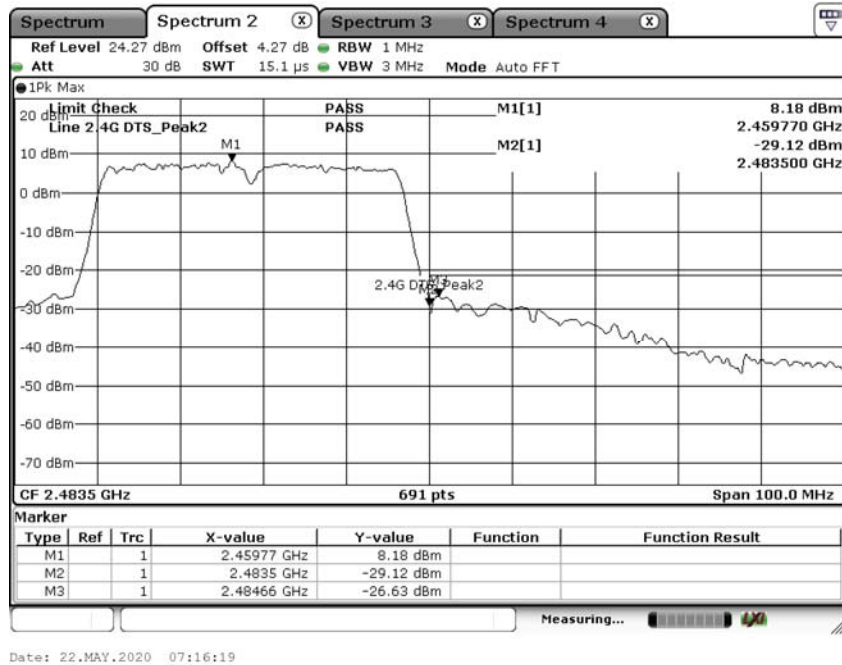


Average: - Chain A

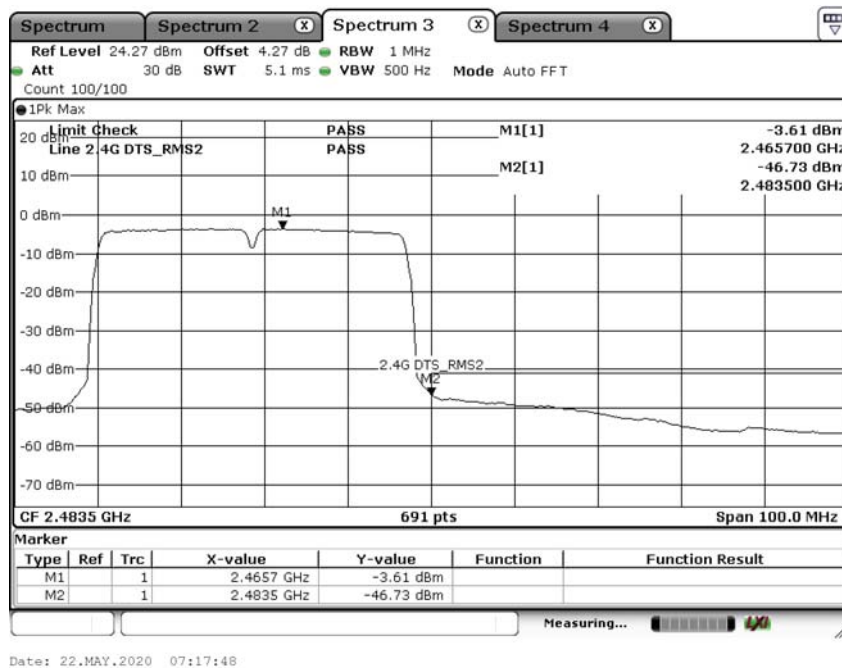


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps) (2462MHz)
Test Date : 2020/05/28

Peak: - Chain B

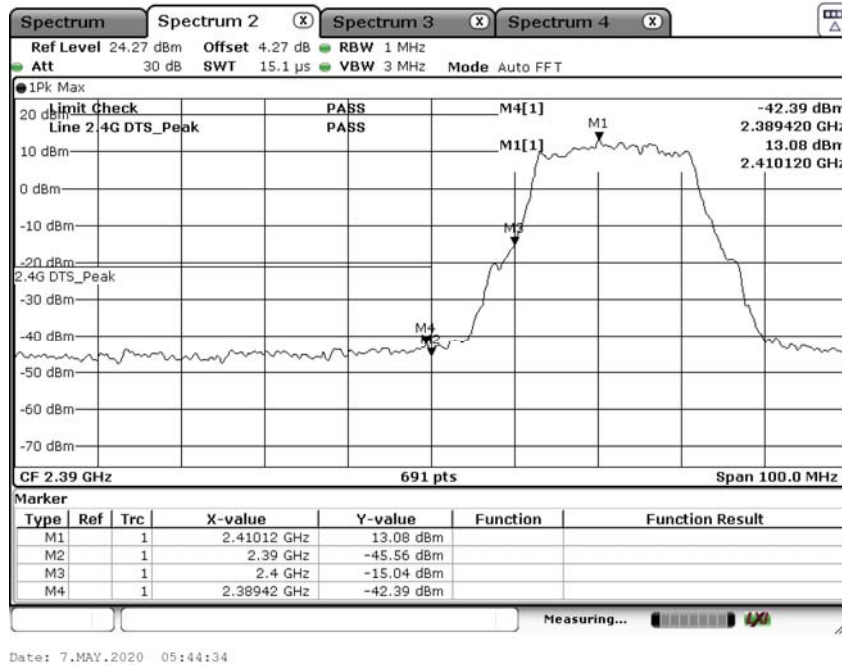


Average: - Chain B

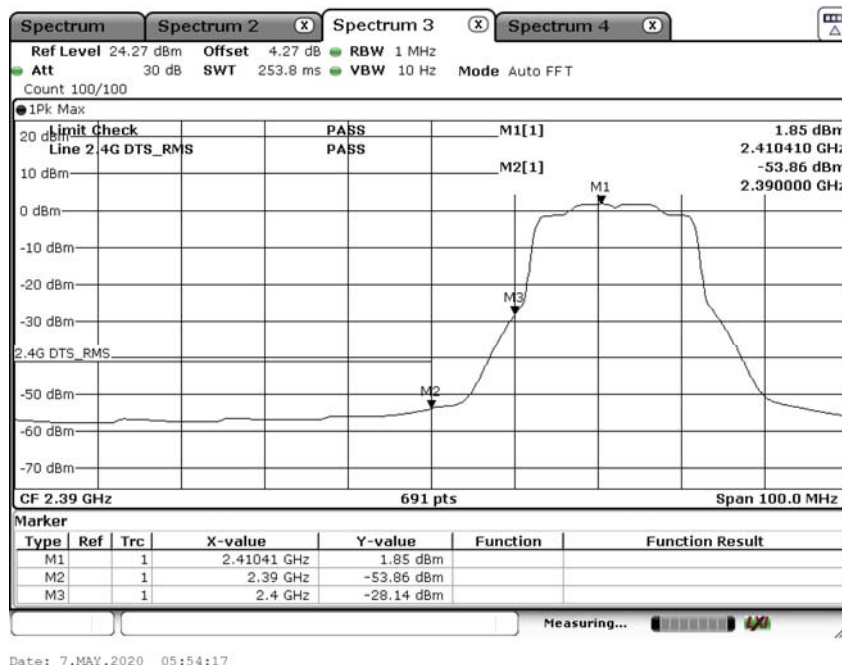


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (2412MHz)
Test Date : 2020/05/28

Peak: - Chain A

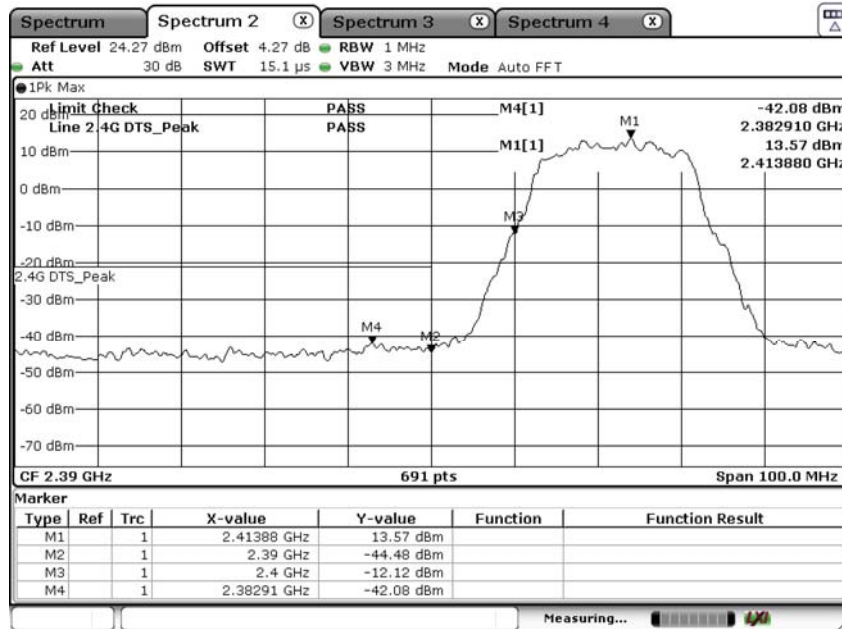


Average: - Chain A



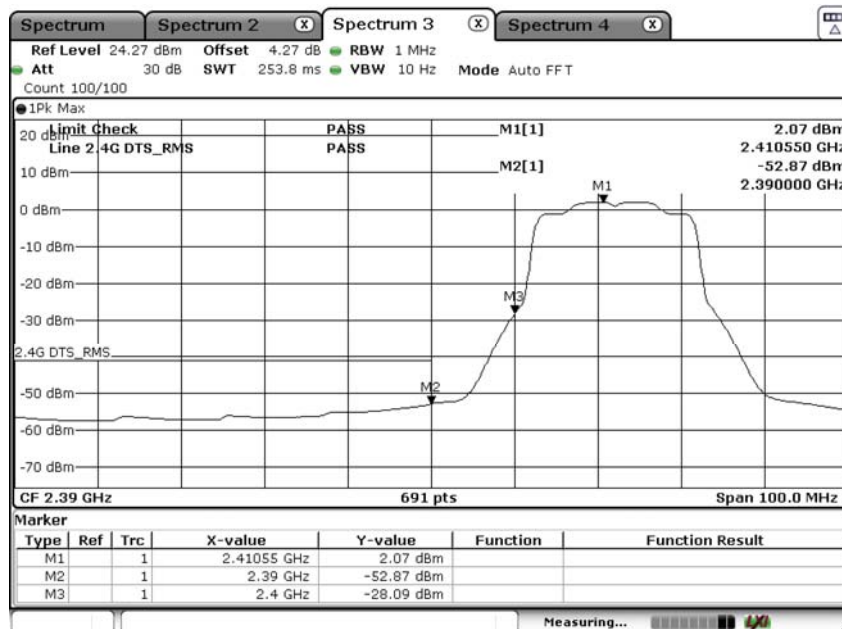
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (2412MHz)
Test Date : 2020/05/28

Peak: - Chain B



Date: 7.MAY.2020 05:44:42

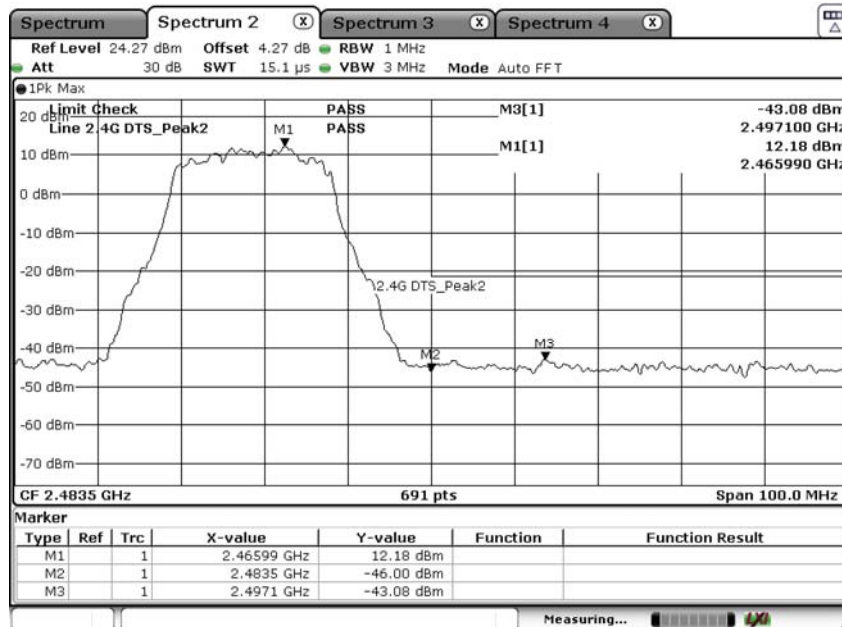
Average: - Chain B



Date: 7.MAY.2020 05:53:49

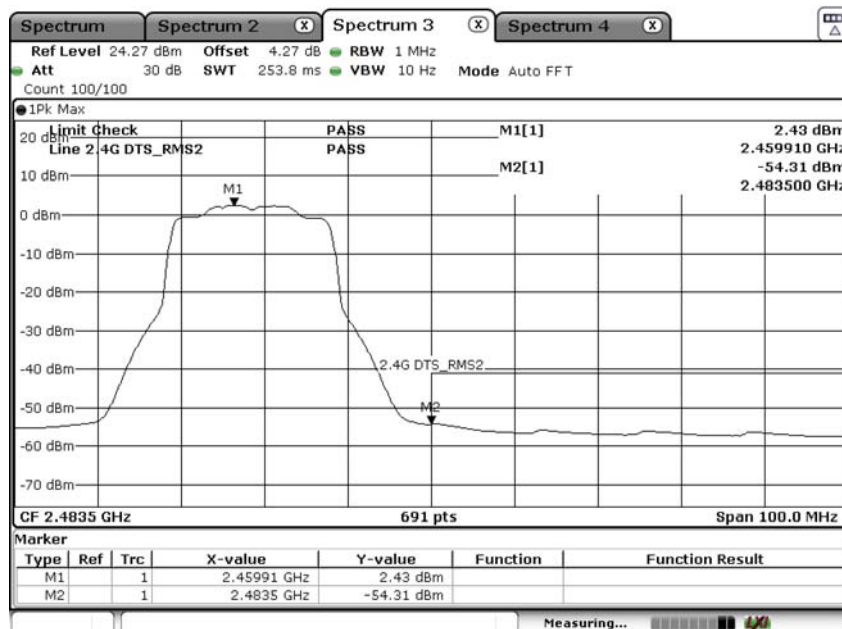
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (2462MHz)
Test Date : 2020/05/28

Peak: - Chain A



Date: 7.MAY.2020 05:57:07

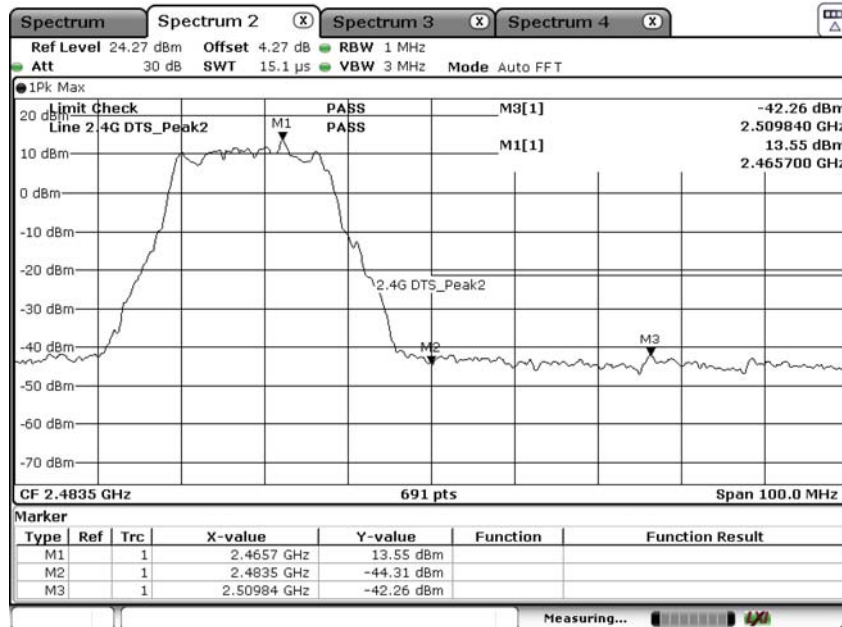
Average: - Chain A



Date: 7.MAY.2020 06:01:55

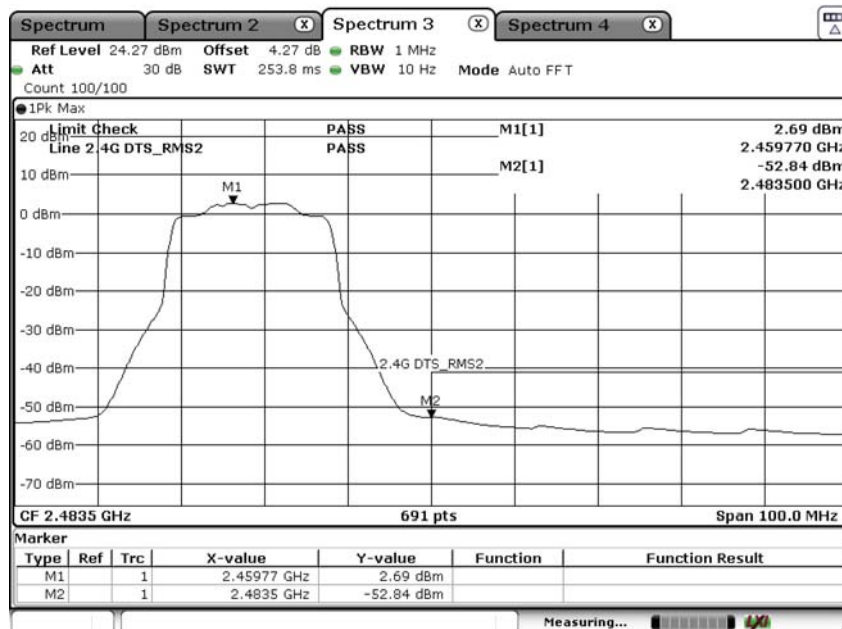
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (2462MHz)
Test Date : 2020/05/28

Peak: - Chain B



Date: 7.MAY.2020 05:56:16

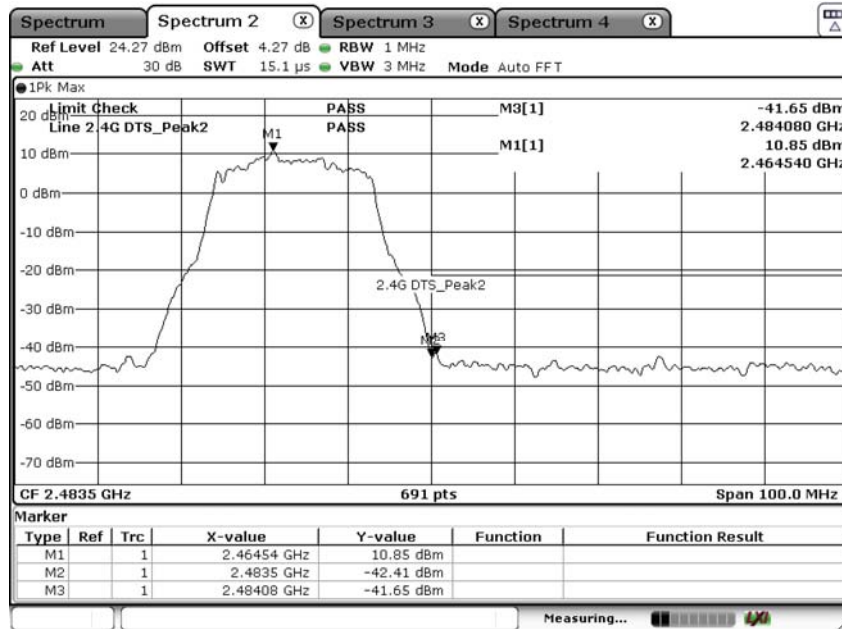
Average: - Chain B



Date: 7.MAY.2020 06:01:08

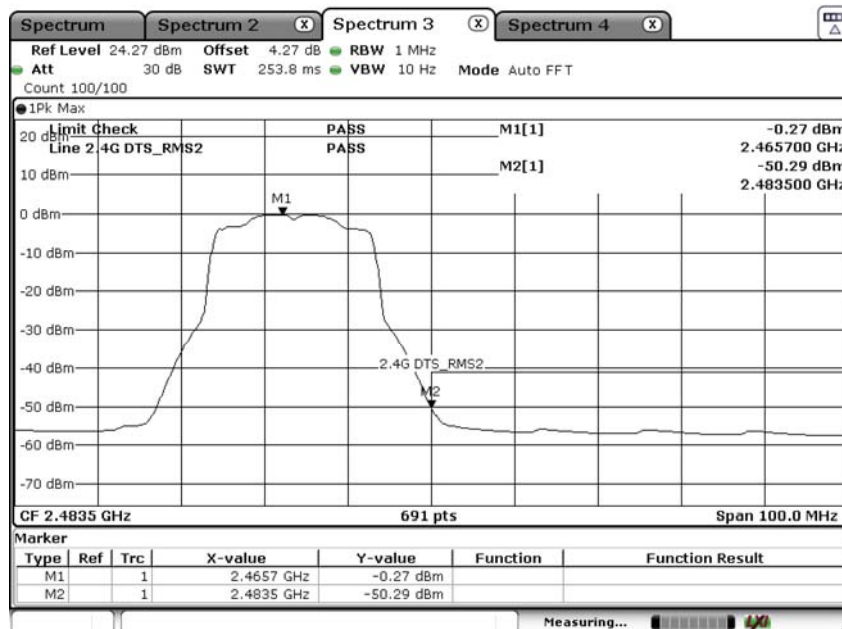
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (2467MHz)
Test Date : 2020/05/28

Peak: - Chain A



Date: 7.MAY.2020 07:10:20

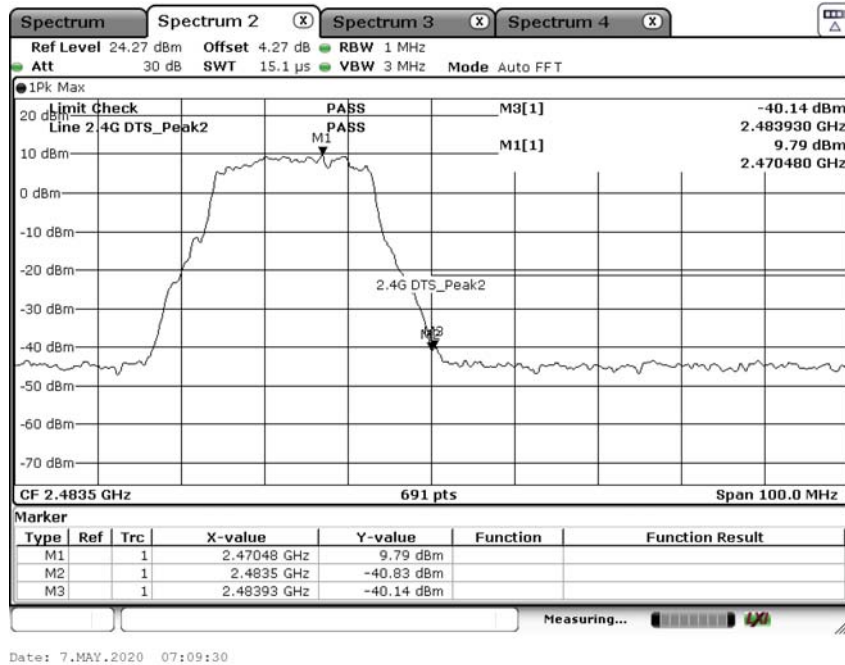
Average: - Chain A



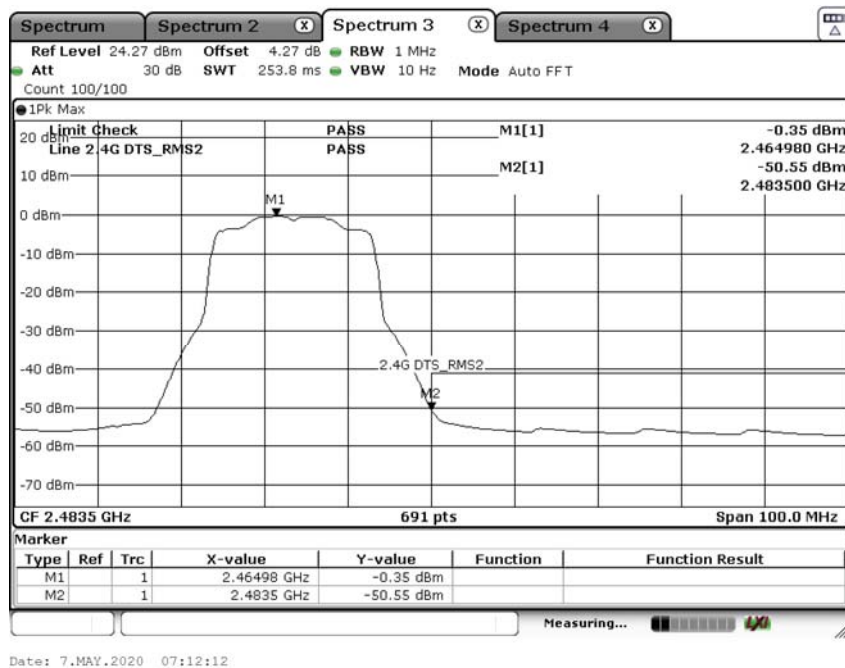
Date: 7.MAY.2020 07:13:06

Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (2467MHz)
Test Date : 2020/05/28

Peak: - Chain B

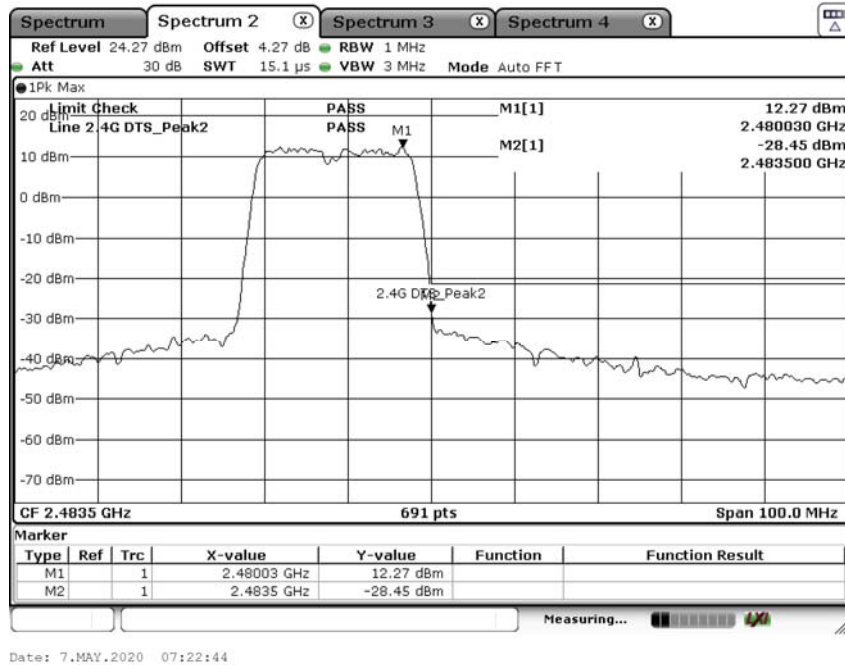


Average: - Chain B

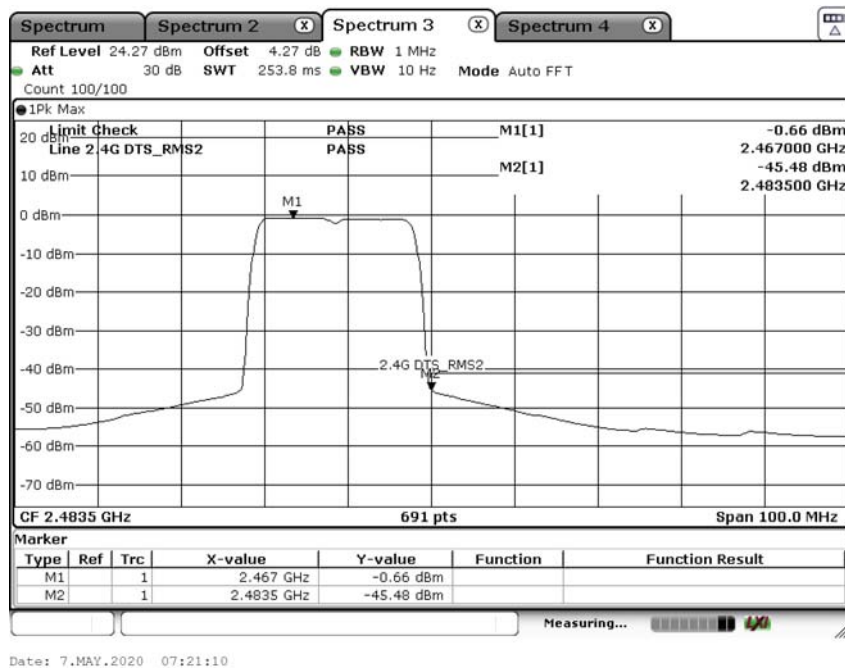


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (2472MHz)
Test Date : 2020/05/28

Peak: - Chain A

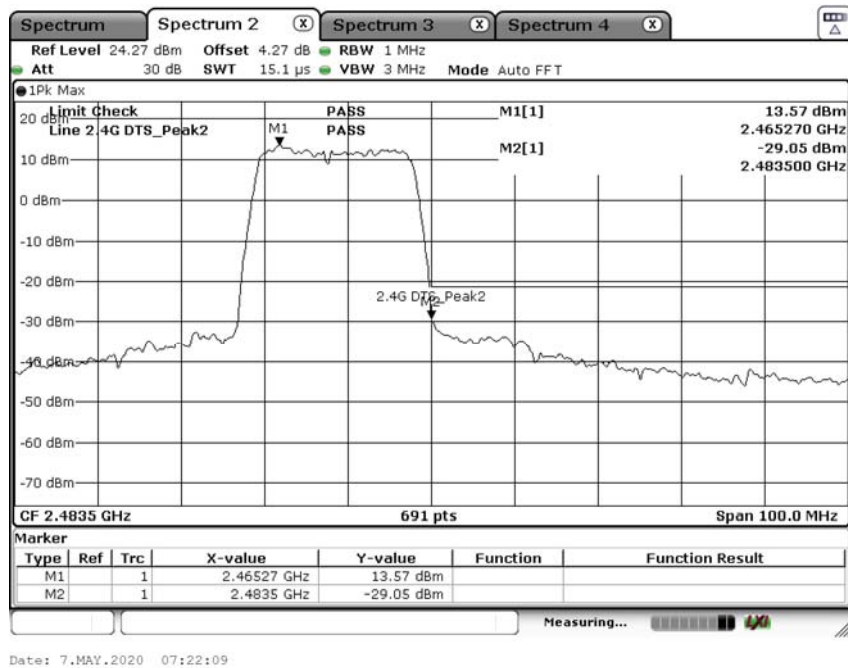


Average: - Chain A

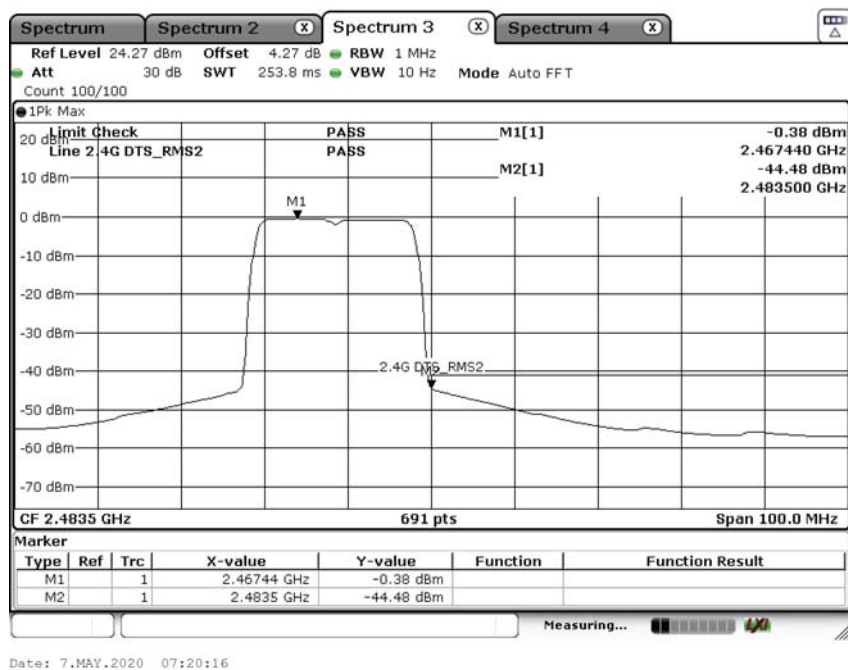


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (2472MHz)
Test Date : 2020/05/28

Peak: - Chain B

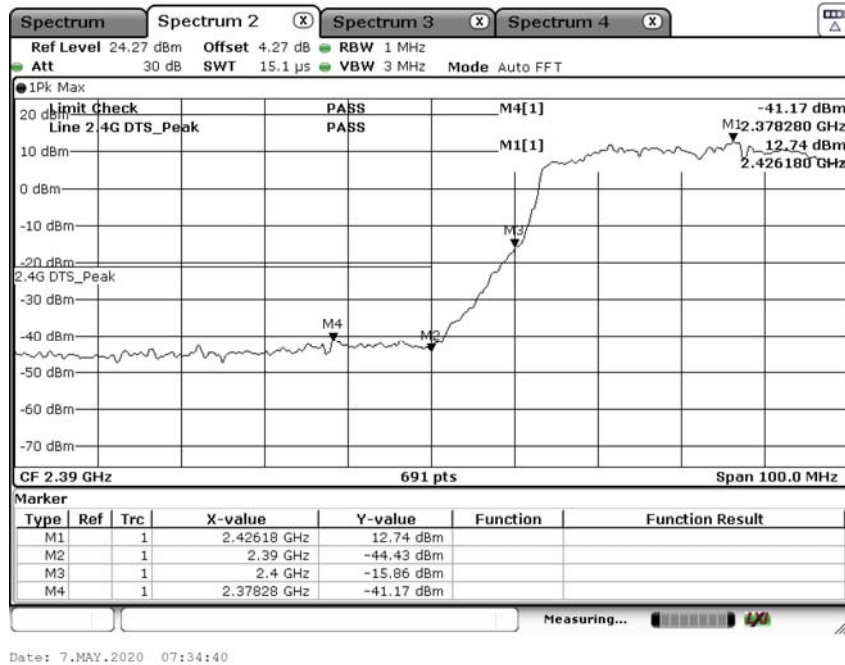


Average: - Chain B

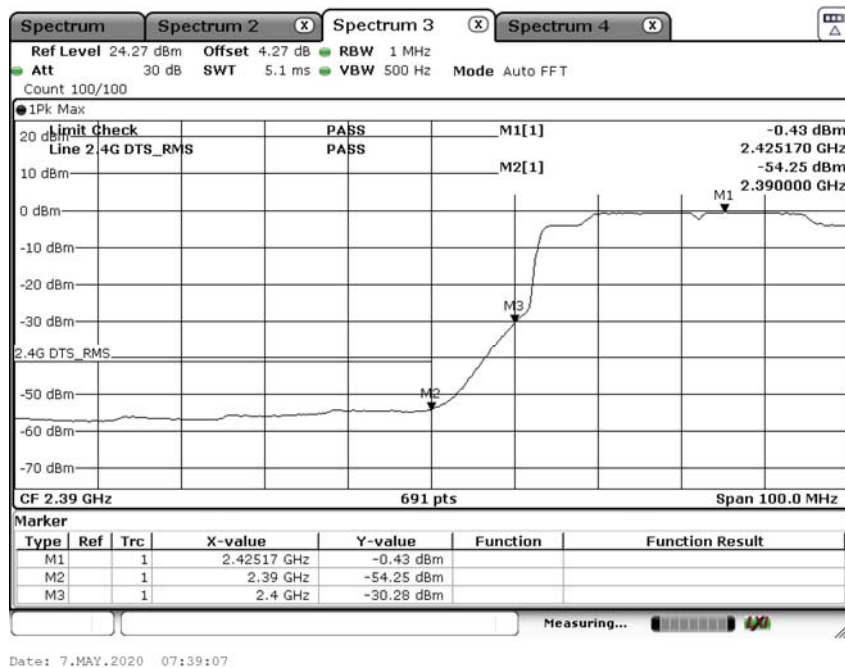


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 16 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (2422MHz)
Test Date : 2020/05/28

Peak: - Chain A

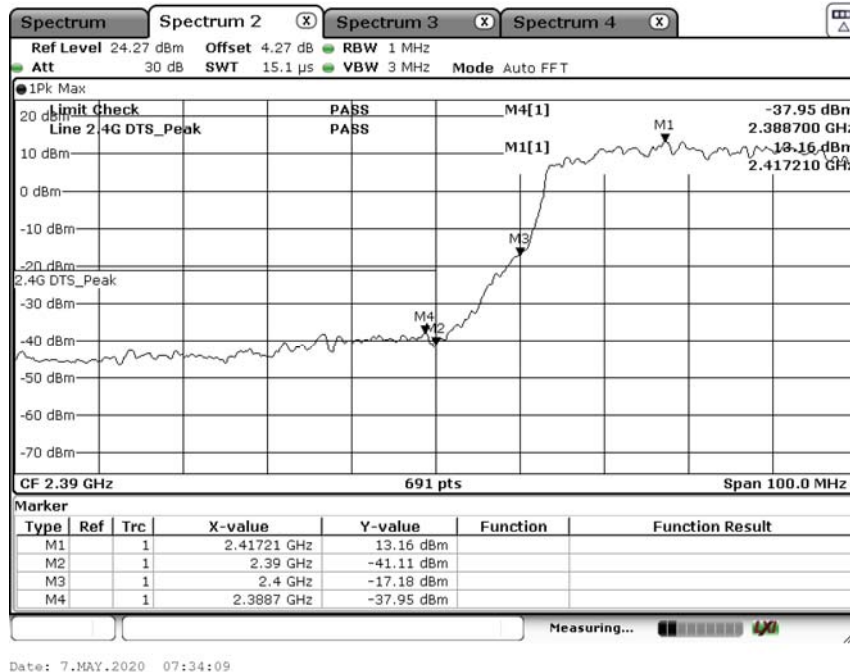


Average: - Chain A

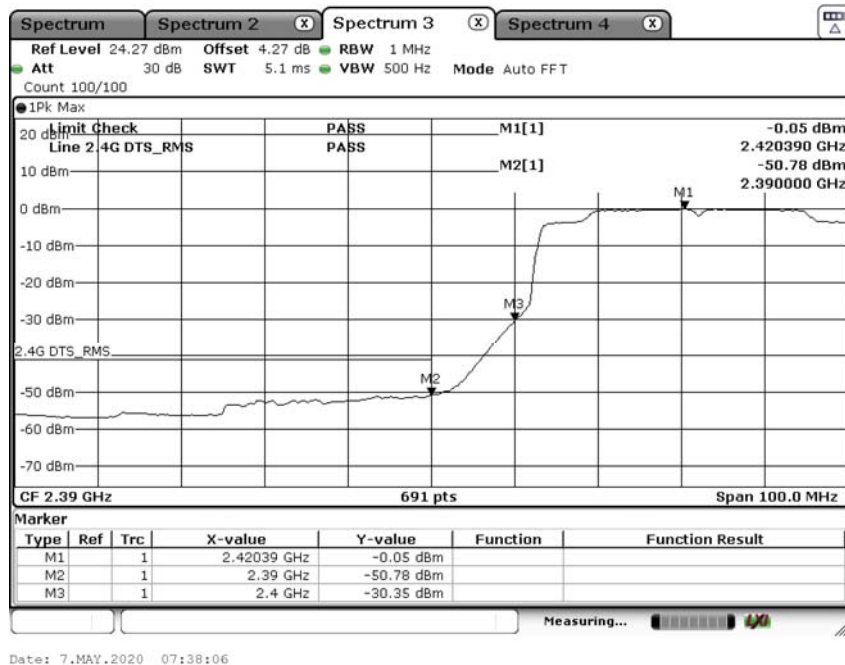


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 16 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (2422MHz)
Test Date : 2020/05/28

Peak: - Chain B

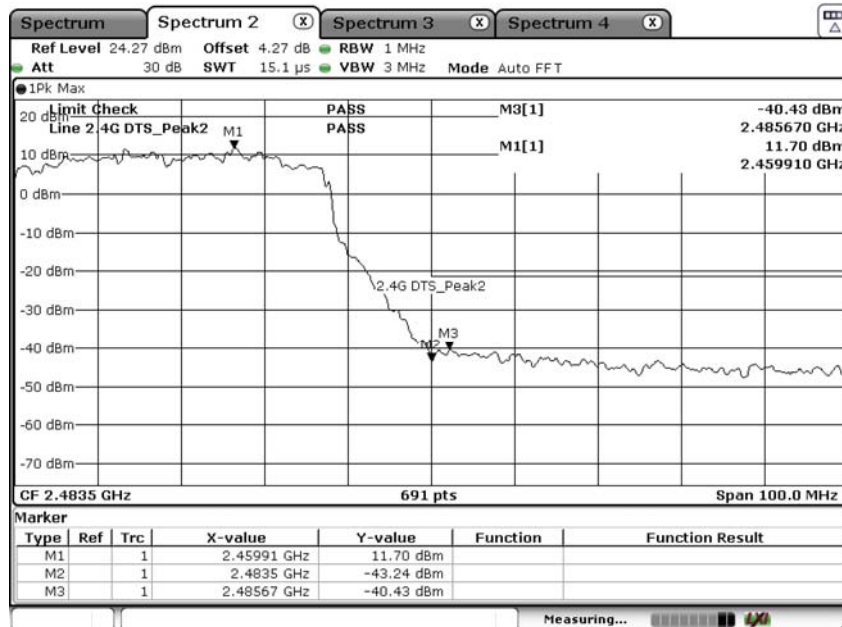


Average: - Chain B



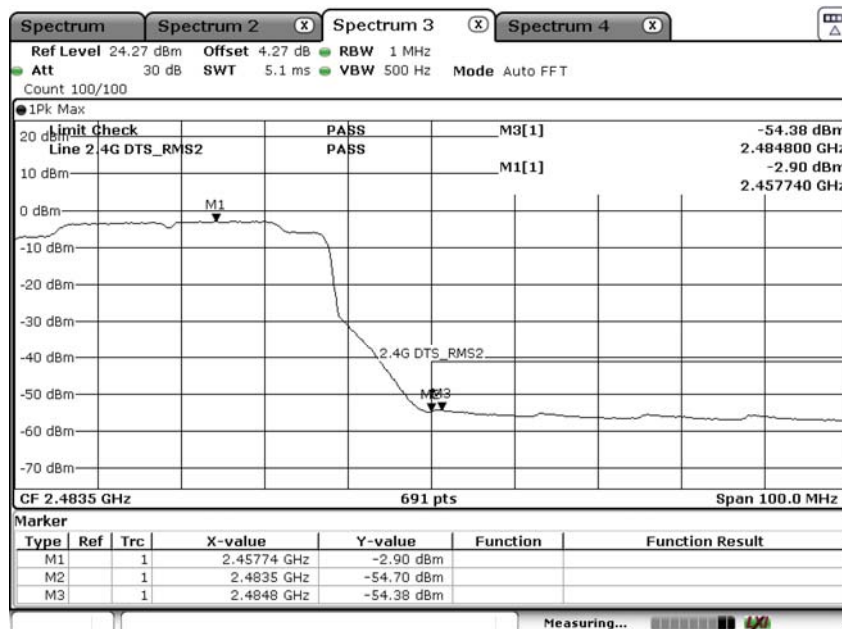
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 16 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (2452MHz)
Test Date : 2020/05/28

Peak: - Chain A



Date: 7.MAY.2020 07:42:15

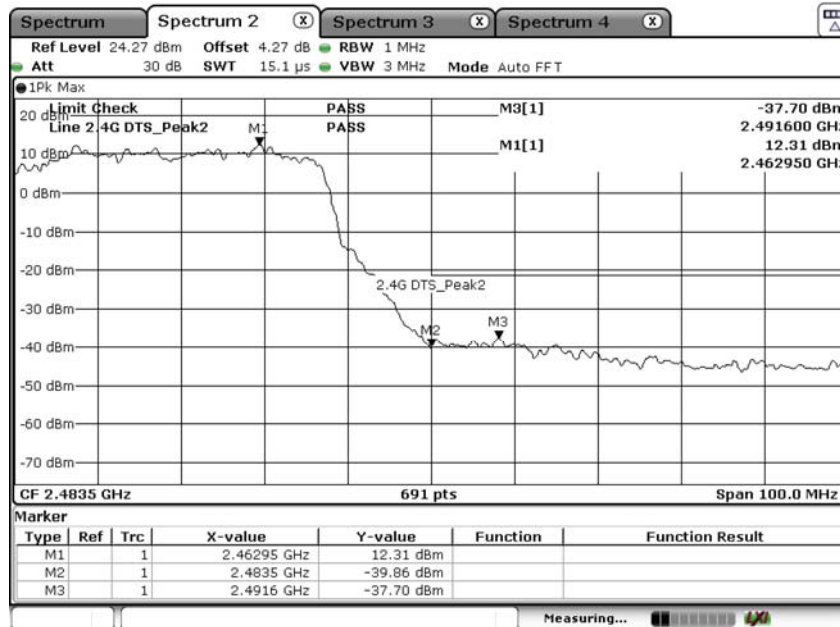
Average: - Chain A



Date: 7.MAY.2020 07:43:53

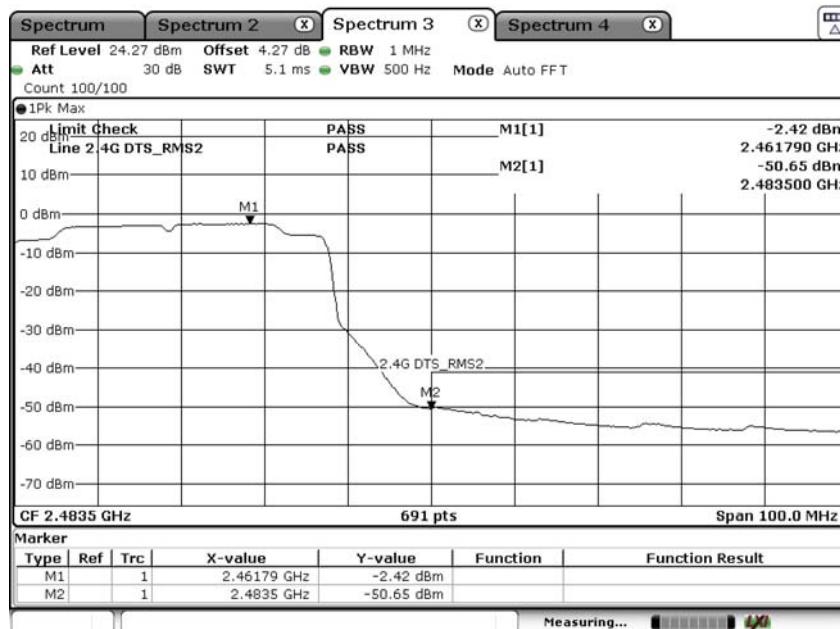
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 16 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (2452MHz)
Test Date : 2020/05/28

Peak: - Chain B



Date: 7.MAY.2020 07:42:00

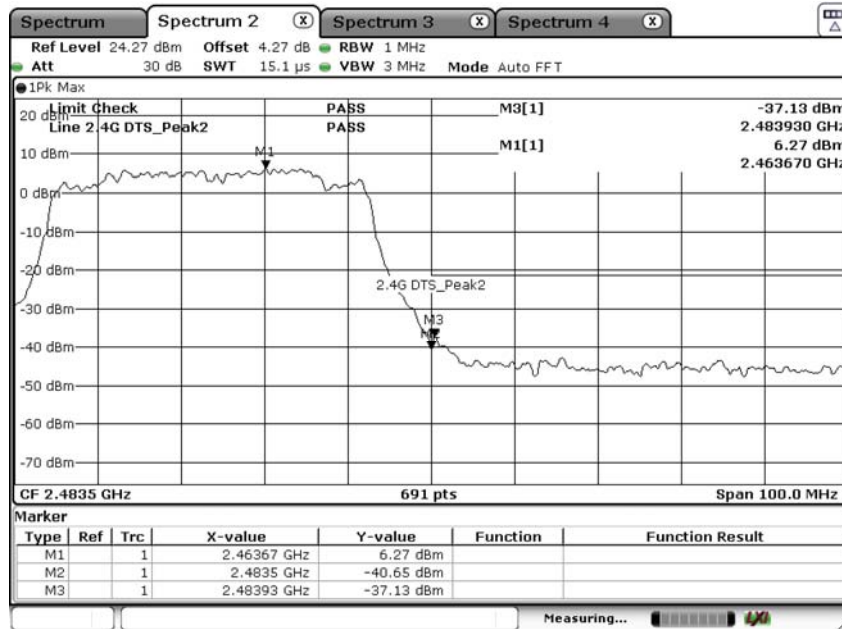
Average: - Chain B



Date: 7.MAY.2020 07:46:15

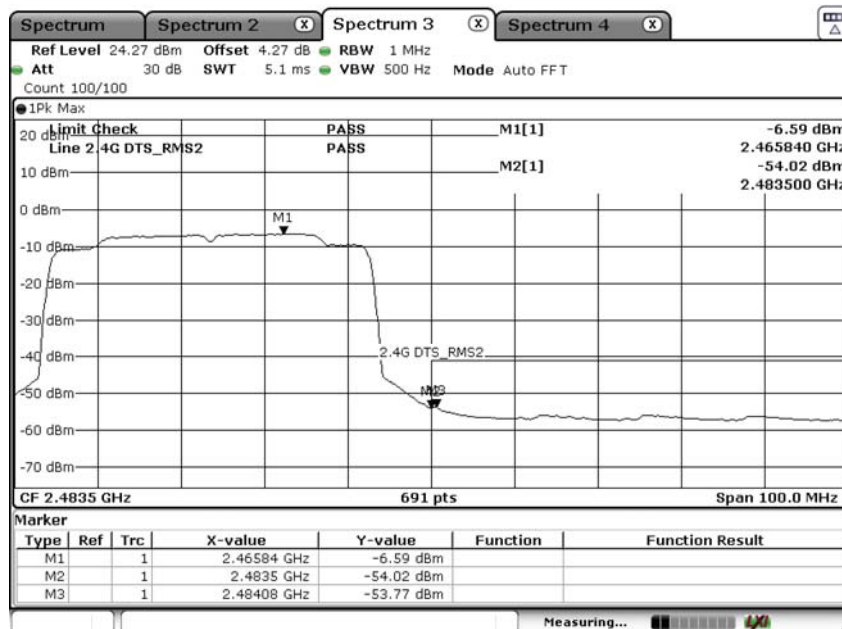
Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 16 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (2457MHz)
Test Date : 2020/05/28

Peak: - Chain A



Date: 7.MAY.2020 08:09:16

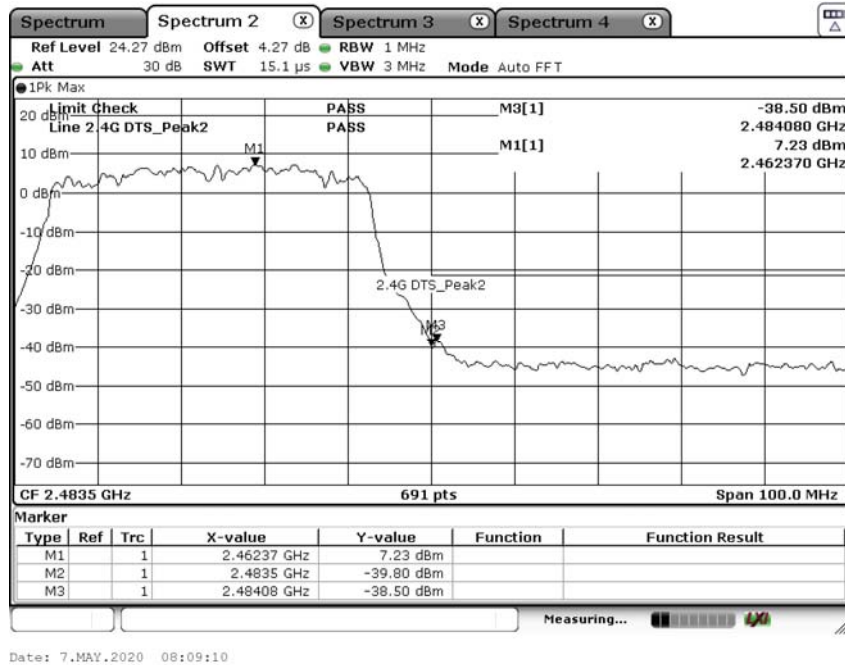
Average: - Chain A



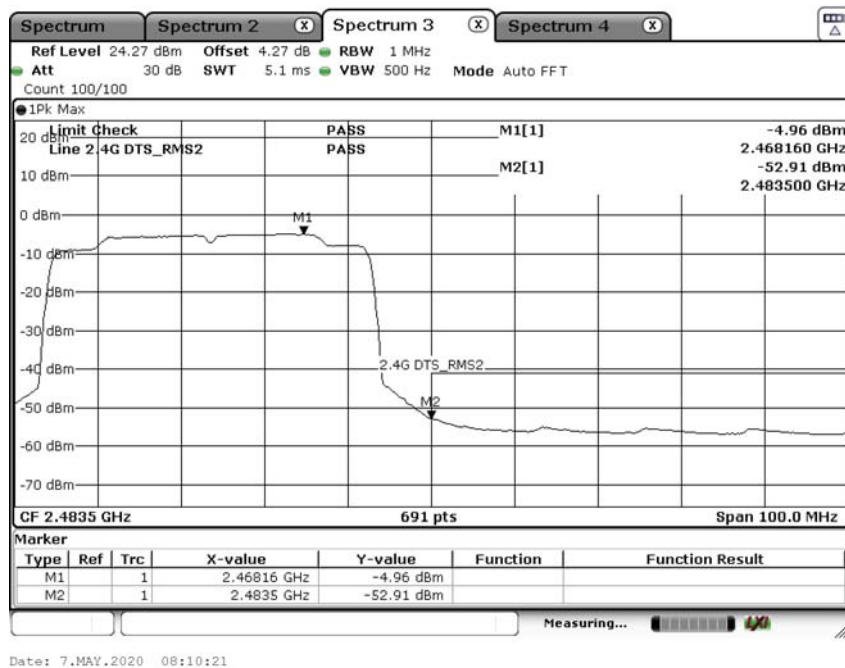
Date: 7.MAY.2020 08:10:52

Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 16 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (2457MHz)
Test Date : 2020/05/28

Peak: - Chain B

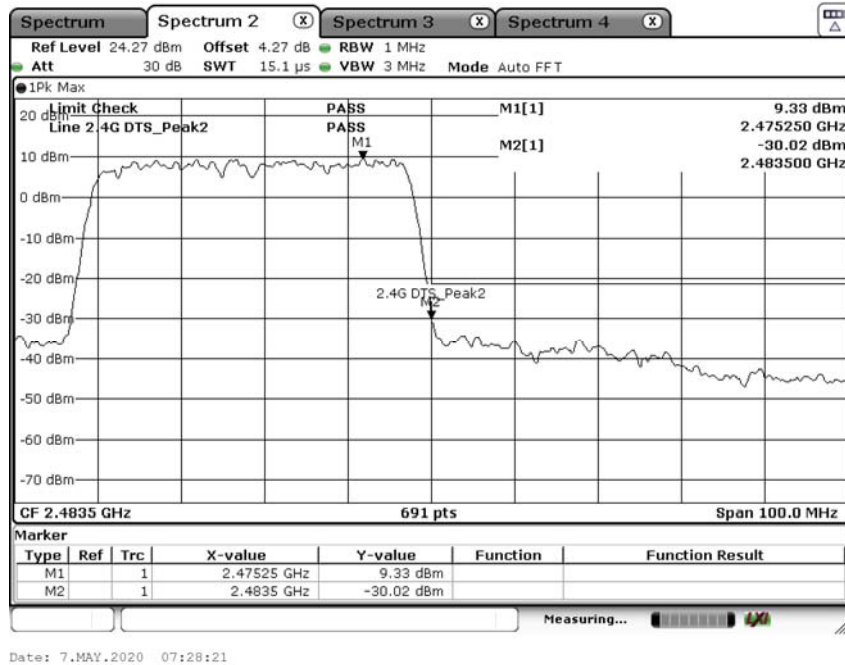


Average: - Chain B

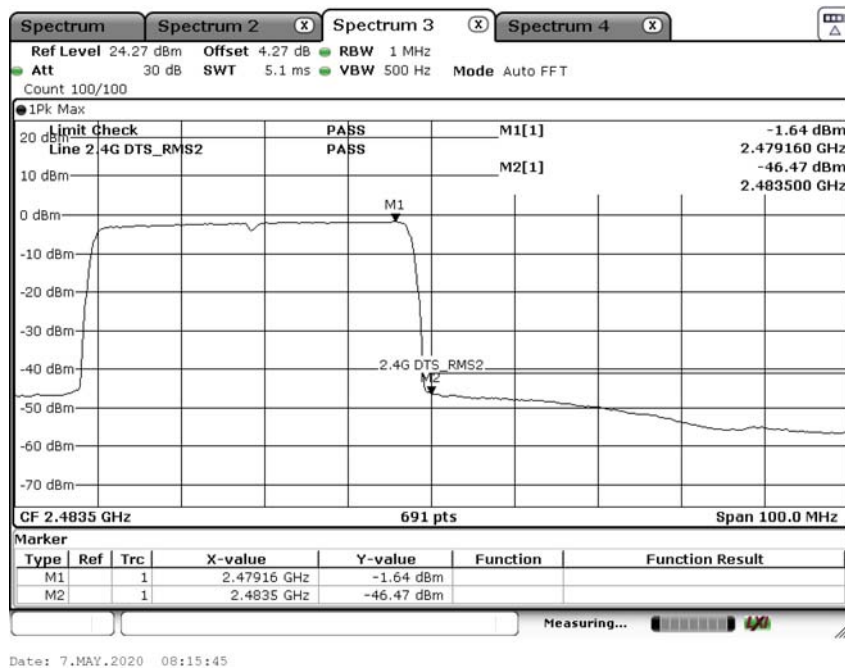


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 16 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (2462MHz)
Test Date : 2020/05/28

Peak: - Chain A

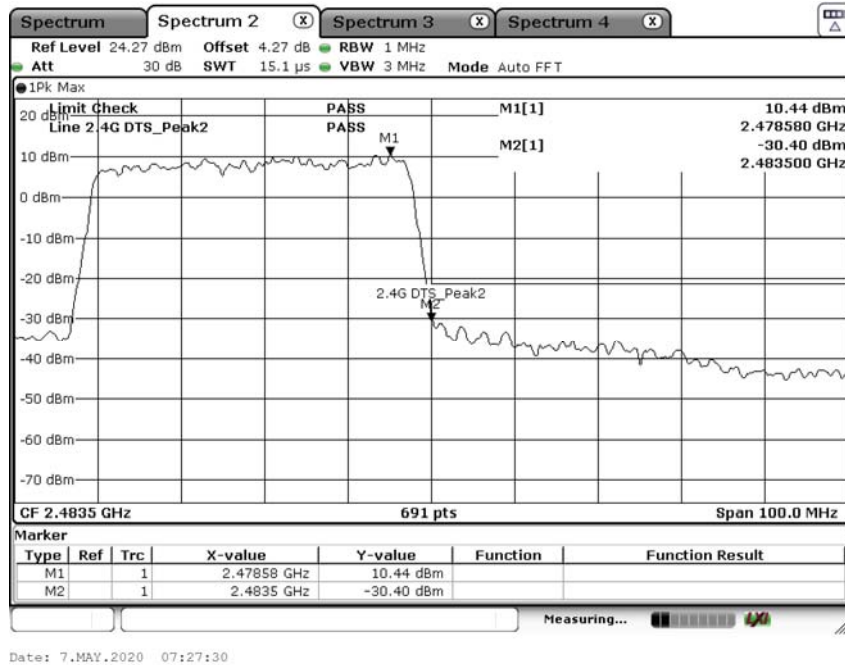


Average: - Chain A

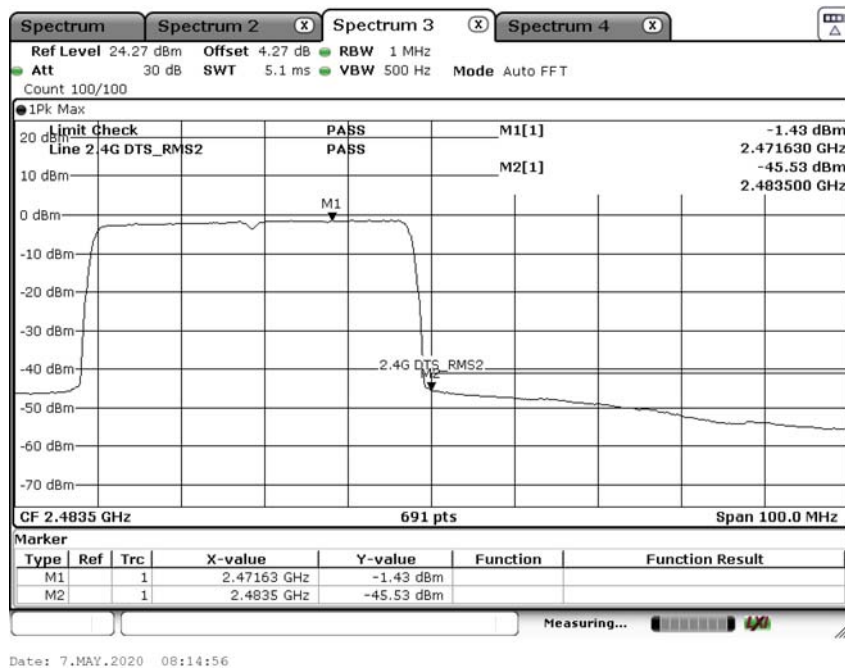


Product : Portable computer
Test Item : Band Edge Data
Test Mode : Mode 16 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (2462MHz)
Test Date : 2020/05/28

Peak: - Chain B

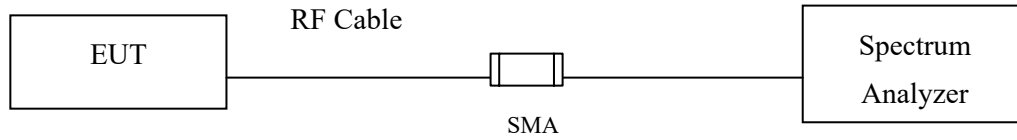


Average: - Chain B



7. 6dB Bandwidth

7.1. Test Setup



7.2. Limits

The minimum bandwidth shall be at least 500 kHz.

7.3. Test Procedure

The EUT was setup according to ANSI C63.4, 2014; tested according to ANSI C63.10 Section 11.8 for compliance to FCC 47CFR 15.247 requirements.

7.4. Uncertainty

$\pm 283\text{Hz}$

7.5. Test Result of 6dB Bandwidth

Product : Portable computer
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 7 SISO B: Transmit (802.11b_1Mbps)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412	9150	>500	Pass
7	2442	9150	>500	Pass
11	2462	9150	>500	Pass
12	2467	9150	>500	Pass
13	2472	10200	>500	Pass

Figure Channel 01:

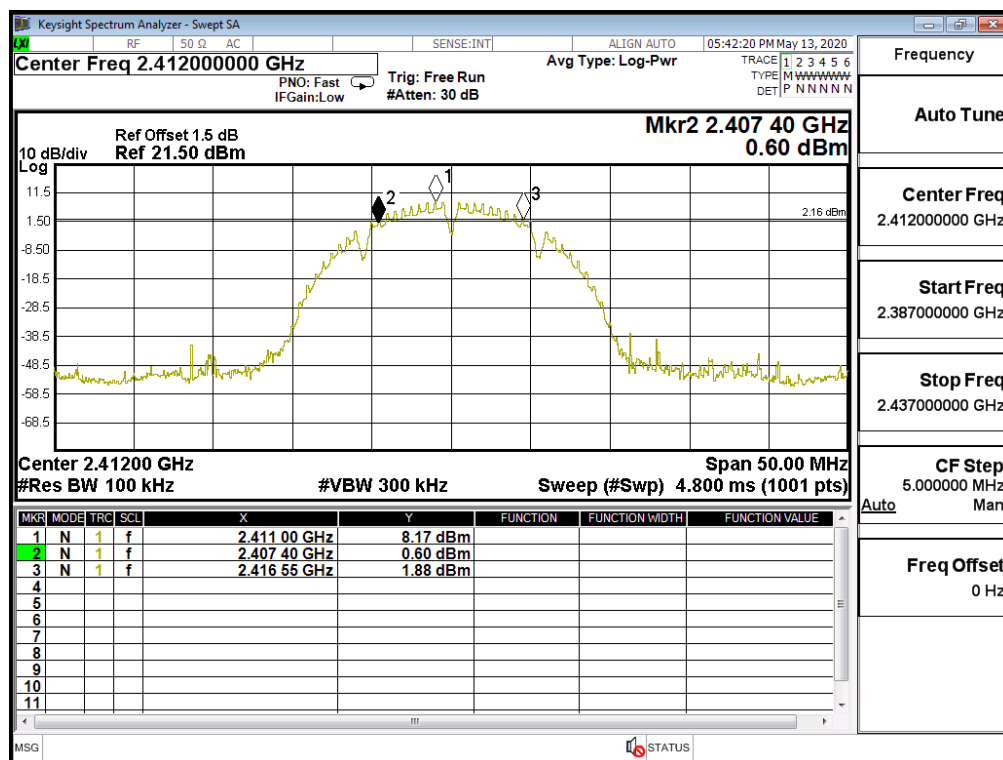


Figure Channel 07:

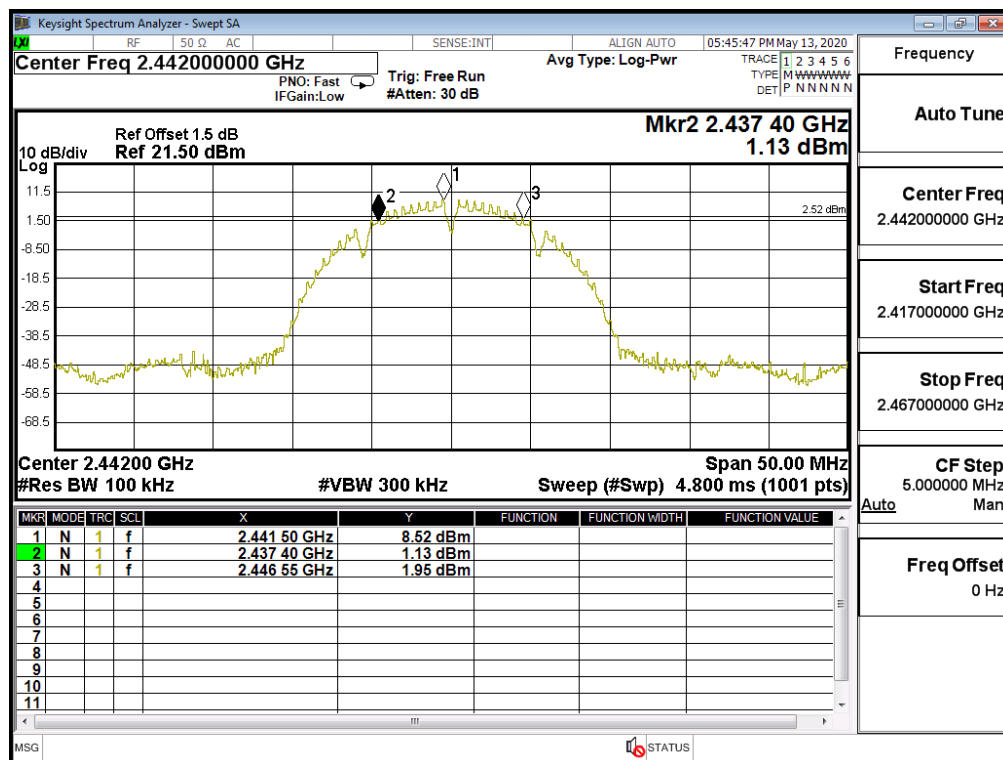


Figure Channel 11:

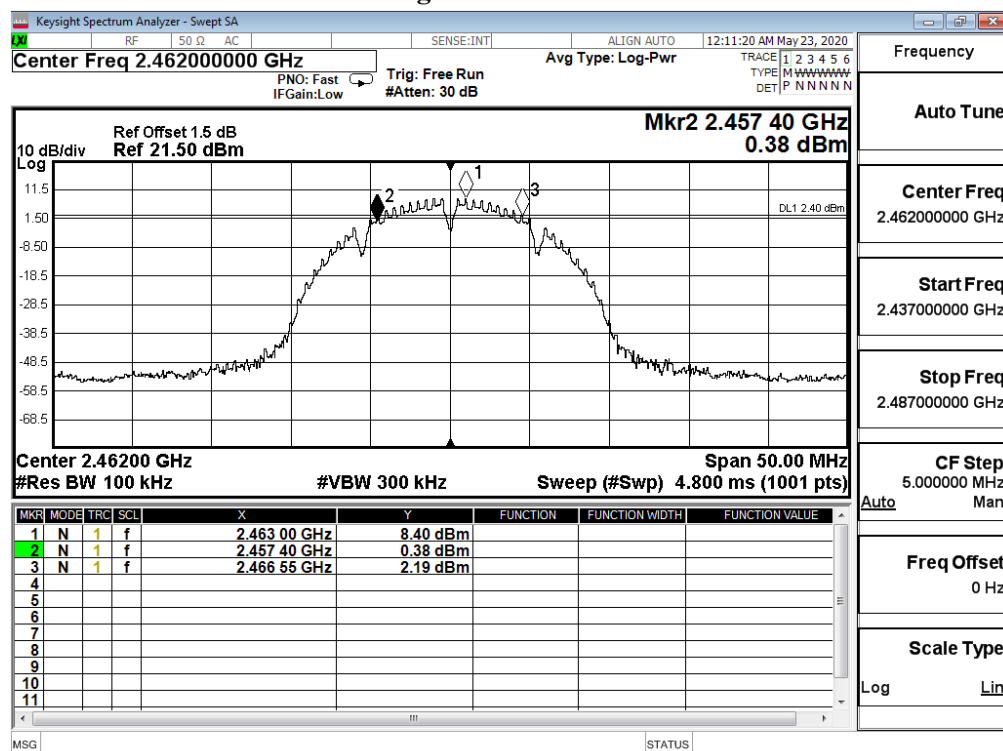


Figure Channel 12:

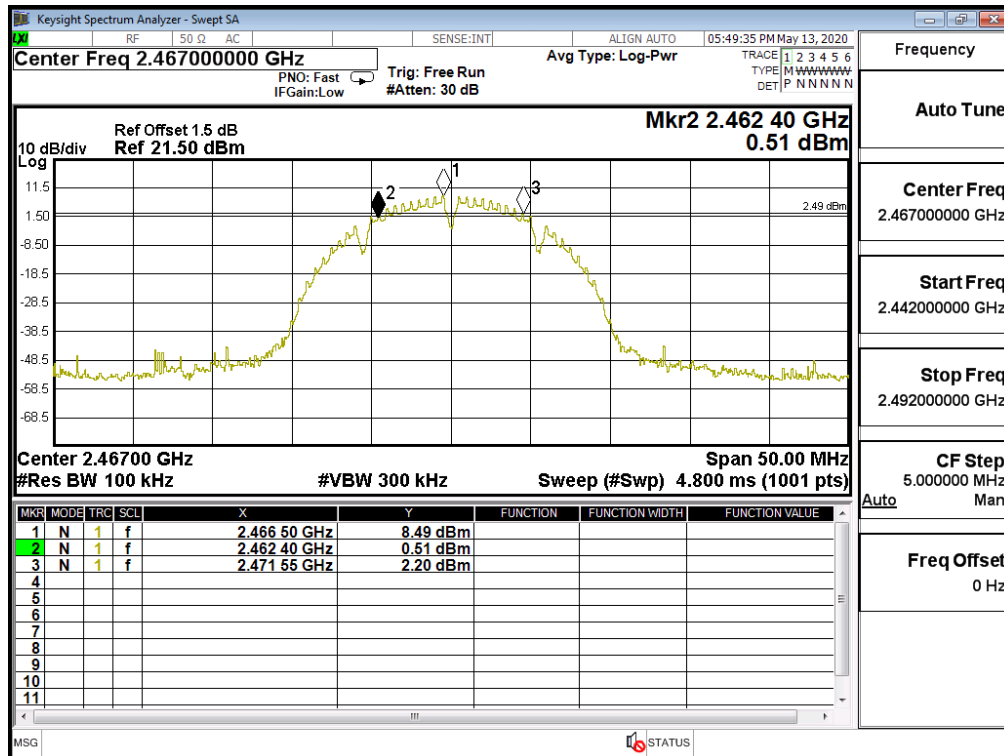
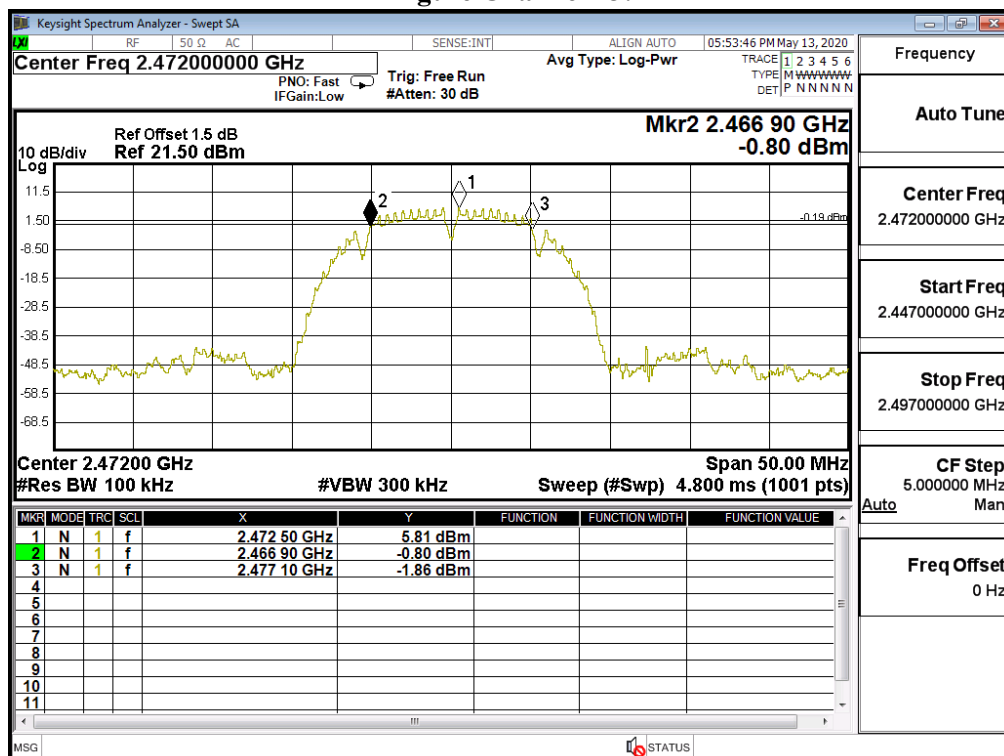


Figure Channel 13:



Product : Portable computer
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps)

Chain A

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412	11000	>500	Pass
7	2442	15200	>500	Pass
11	2462	16650	>500	Pass
12	2467	15700	>500	Pass
13	2472	17750	>500	Pass

Figure Channel 01: (Chain A)

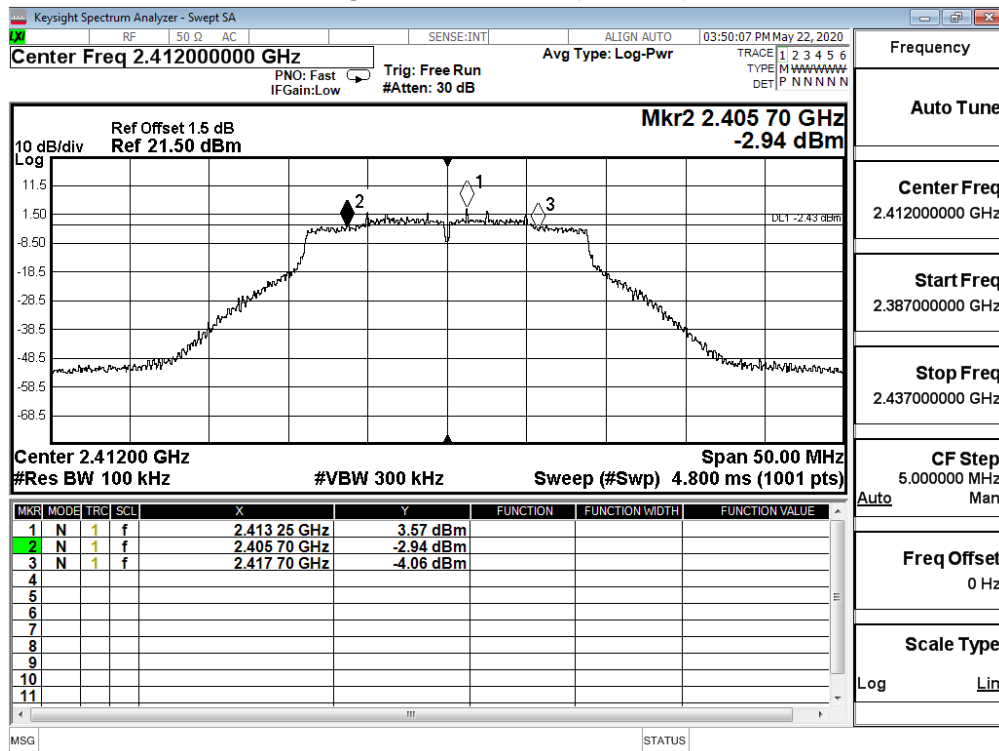


Figure Channel 07: (Chain A)

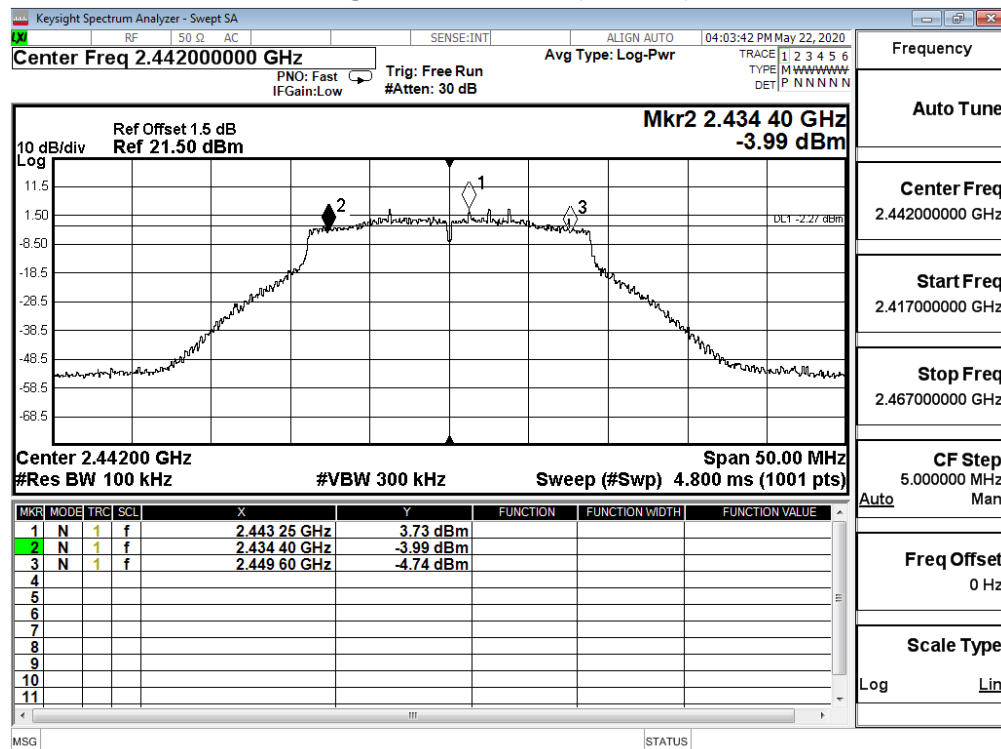


Figure Channel 11: (Chain A)

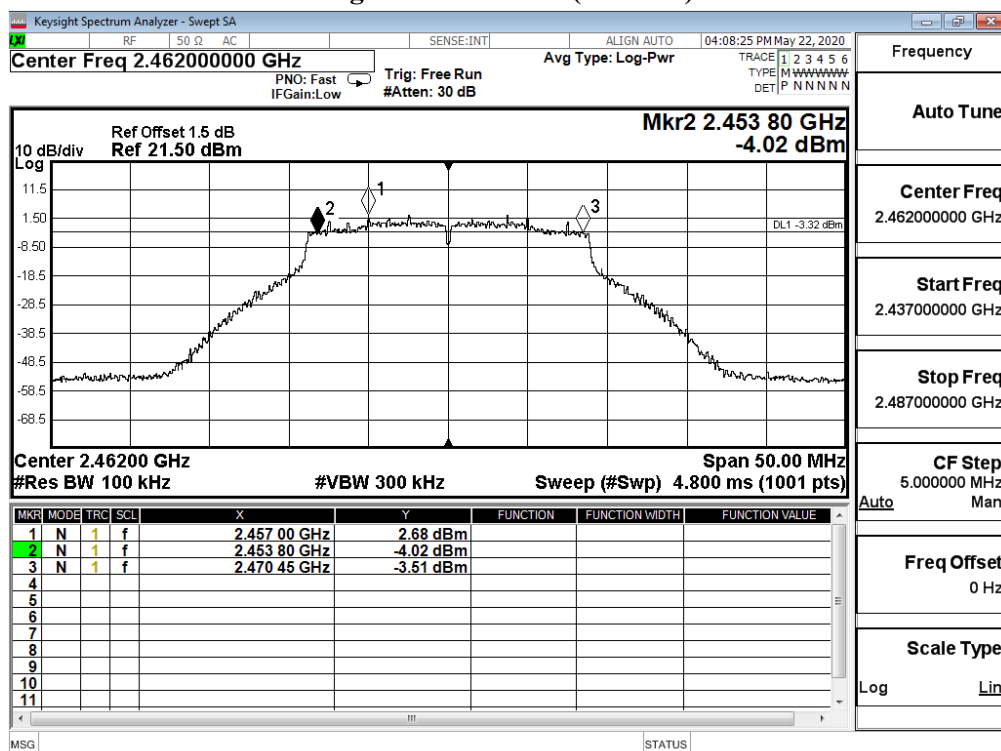


Figure Channel 12: (Chain A)

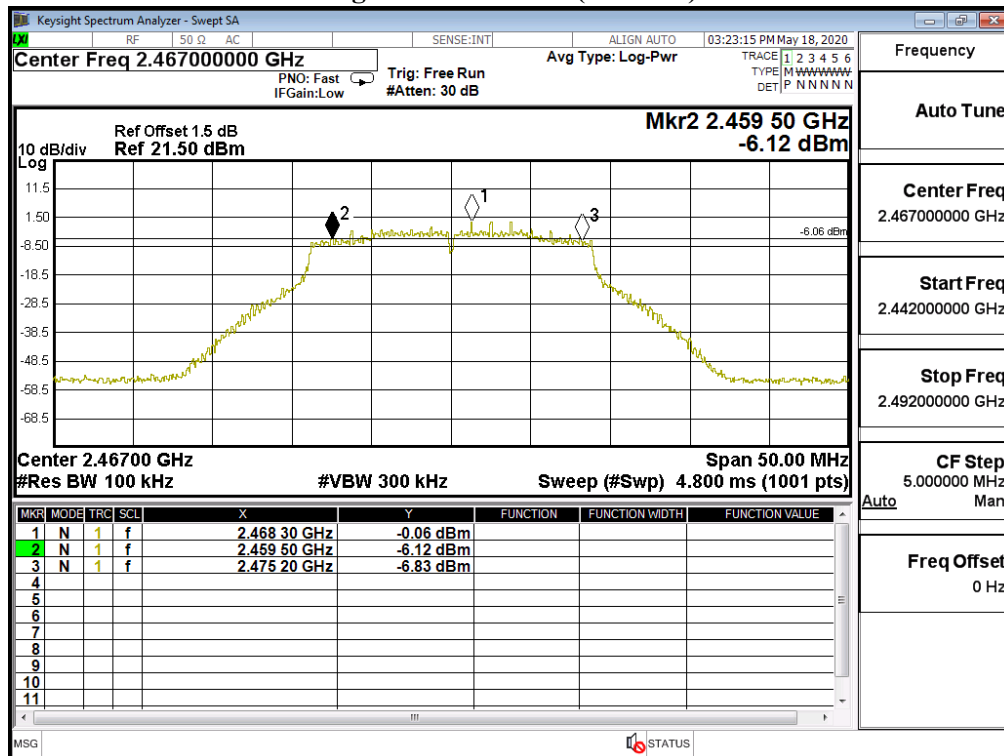
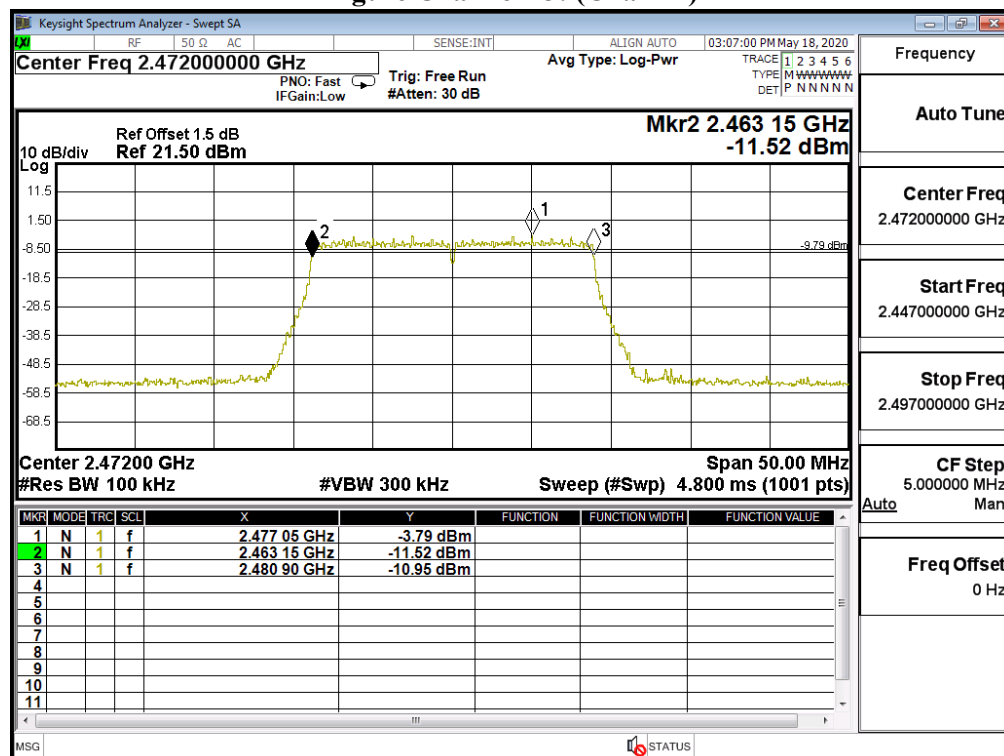


Figure Channel 13: (Chain A)



Product : Portable computer
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 13 MIMO: Transmit (802.11n-20BW_14.4Mbps)

Chain B

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412	15150	>500	Pass
7	2442	17700	>500	Pass
11	2462	17650	>500	Pass
12	2467	15200	>500	Pass
13	2472	17750	>500	Pass

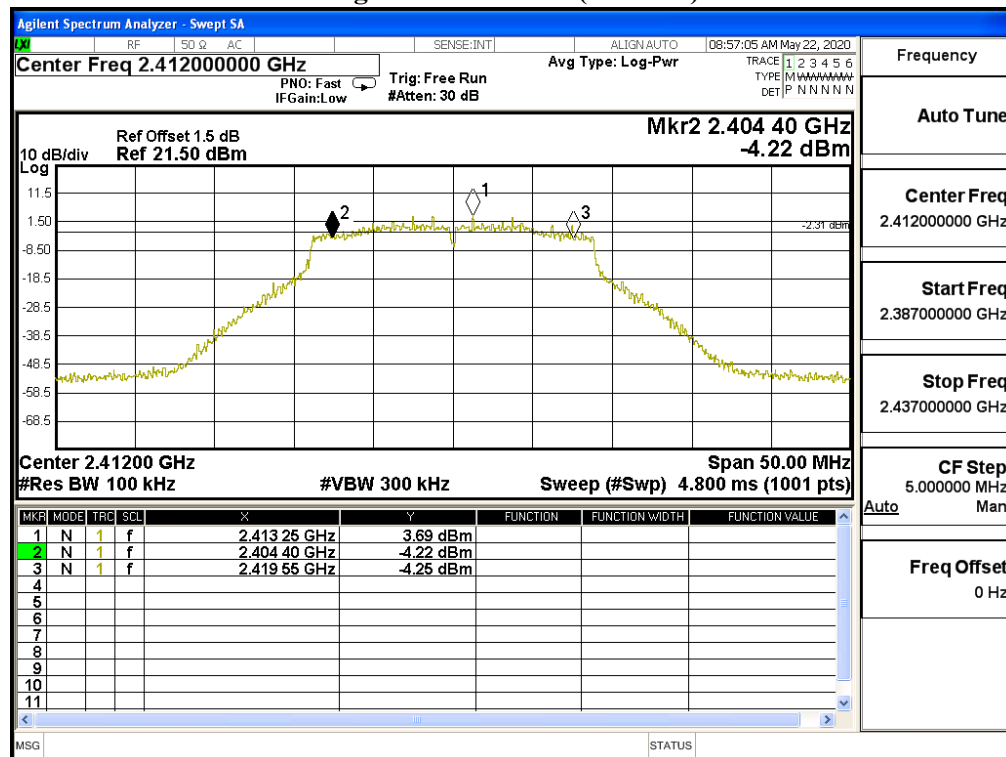
Figure Channel 01: (Chain B)

Figure Channel 07: (Chain B)

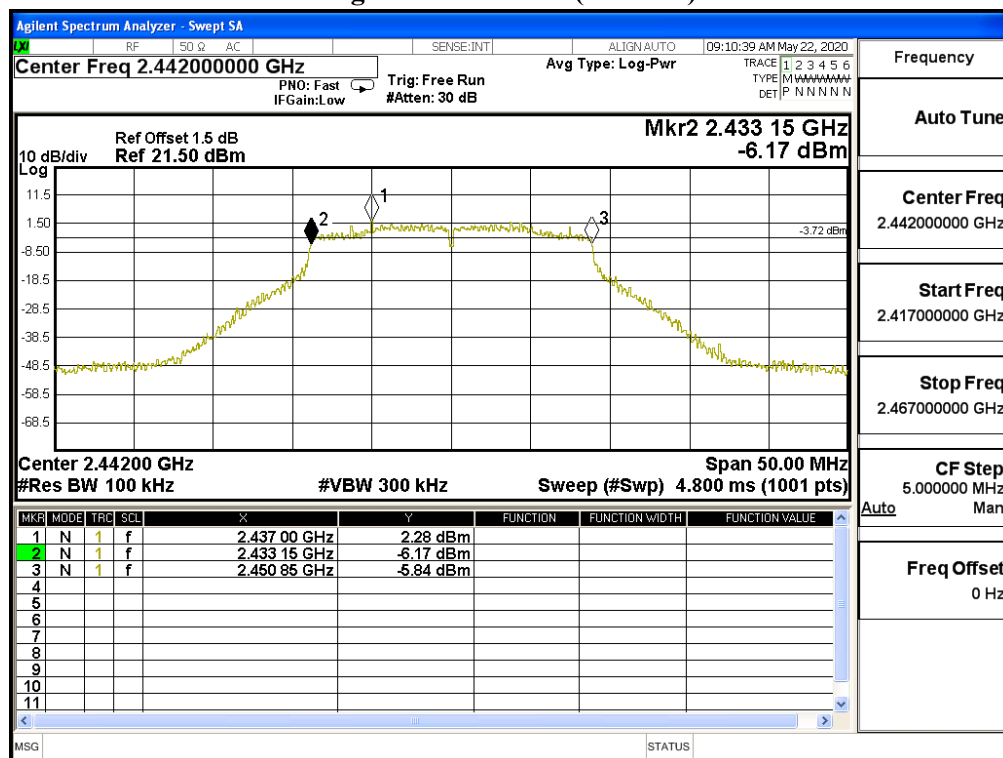


Figure Channel 11: (Chain B)

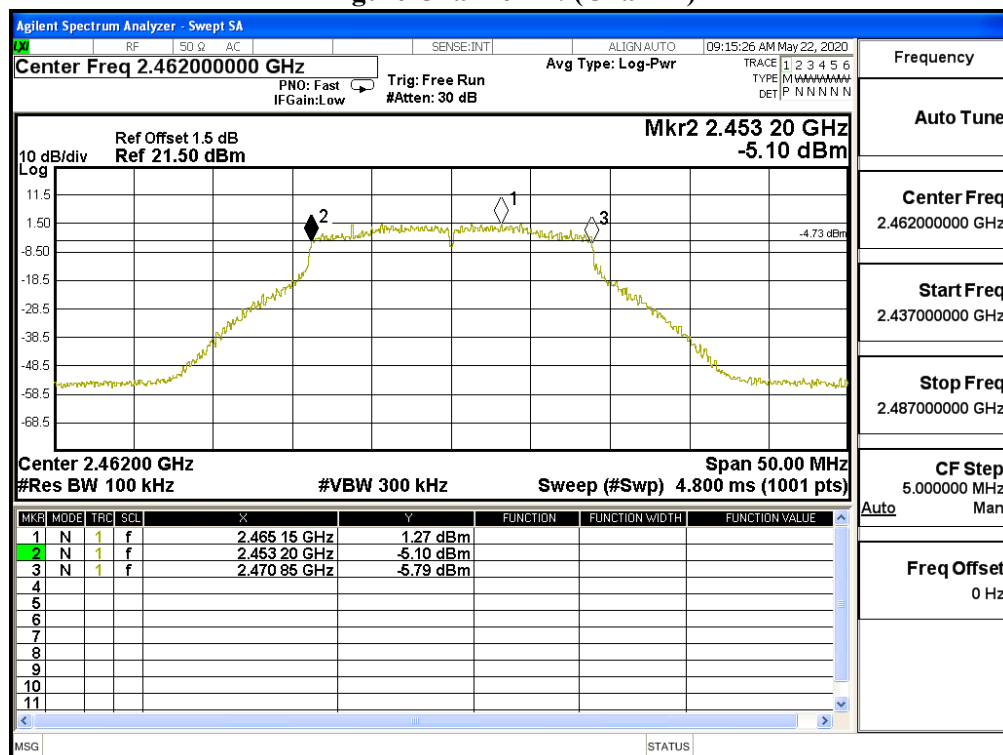


Figure Channel 12: (Chain B)

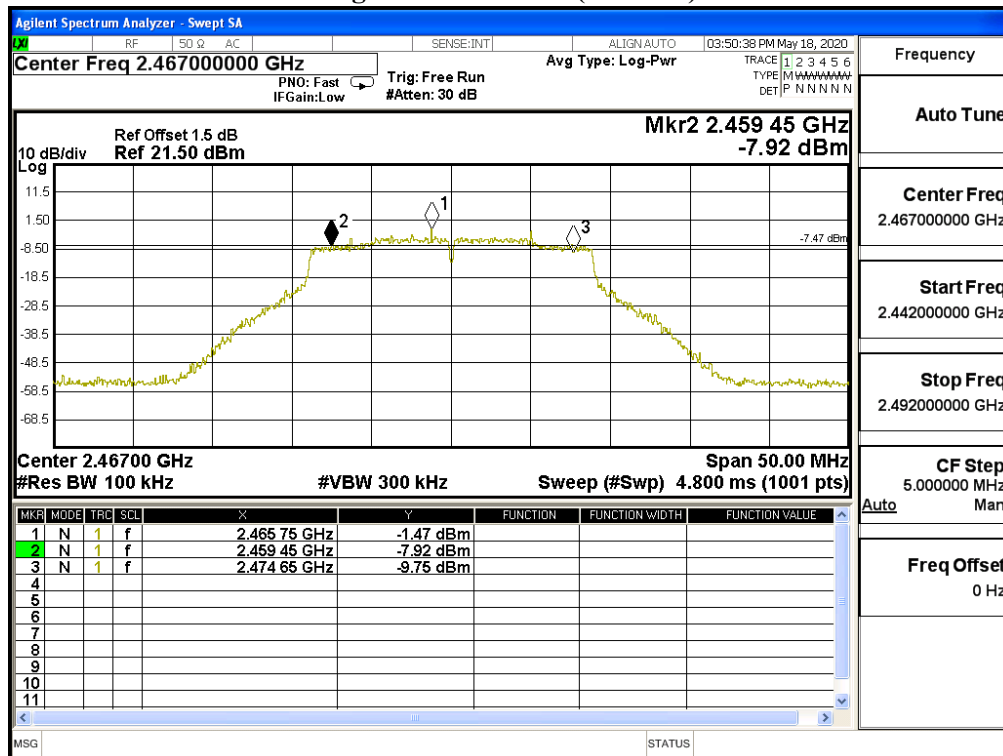
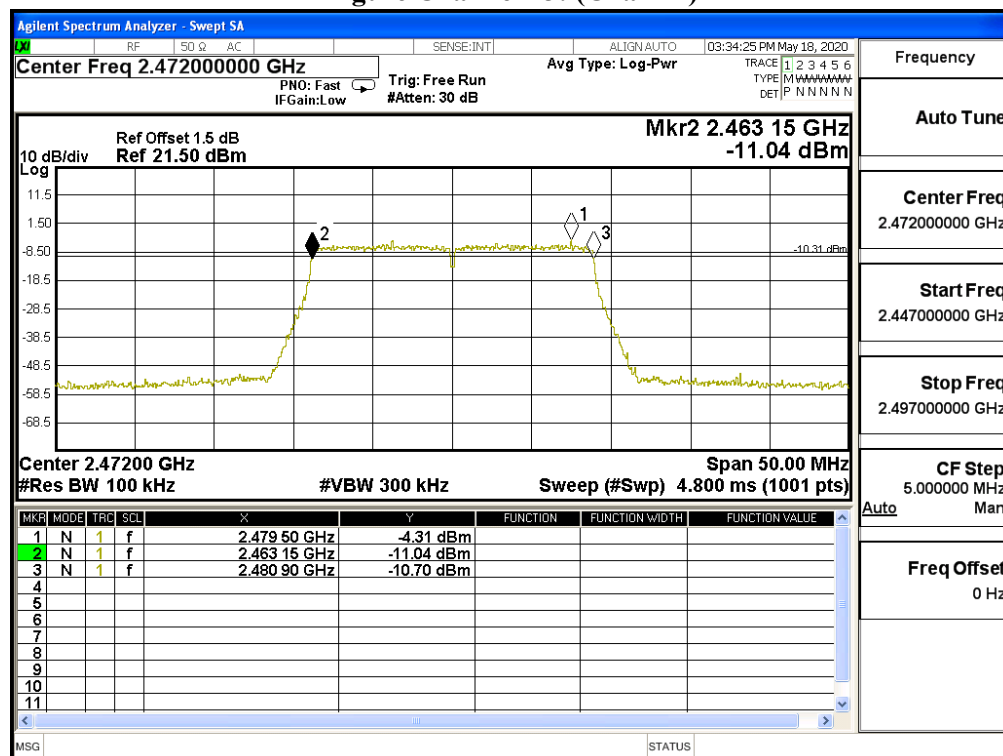


Figure Channel 13: (Chain B)



Product : Portable computer
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps)

Chain A

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3	2422	32700	>500	Pass
7	2442	34000	>500	Pass
9	2452	35200	>500	Pass
10	2457	35200	>500	Pass
11	2462	35900	>500	Pass

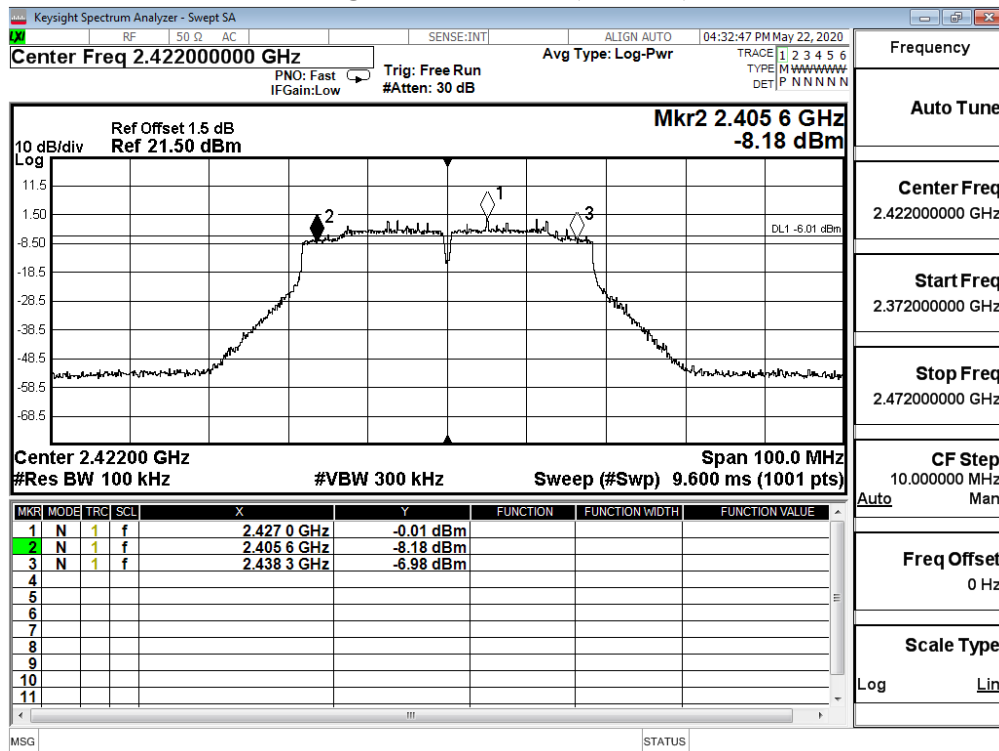
Figure Channel 03: (Chain A)

Figure Channel 07: (Chain A)

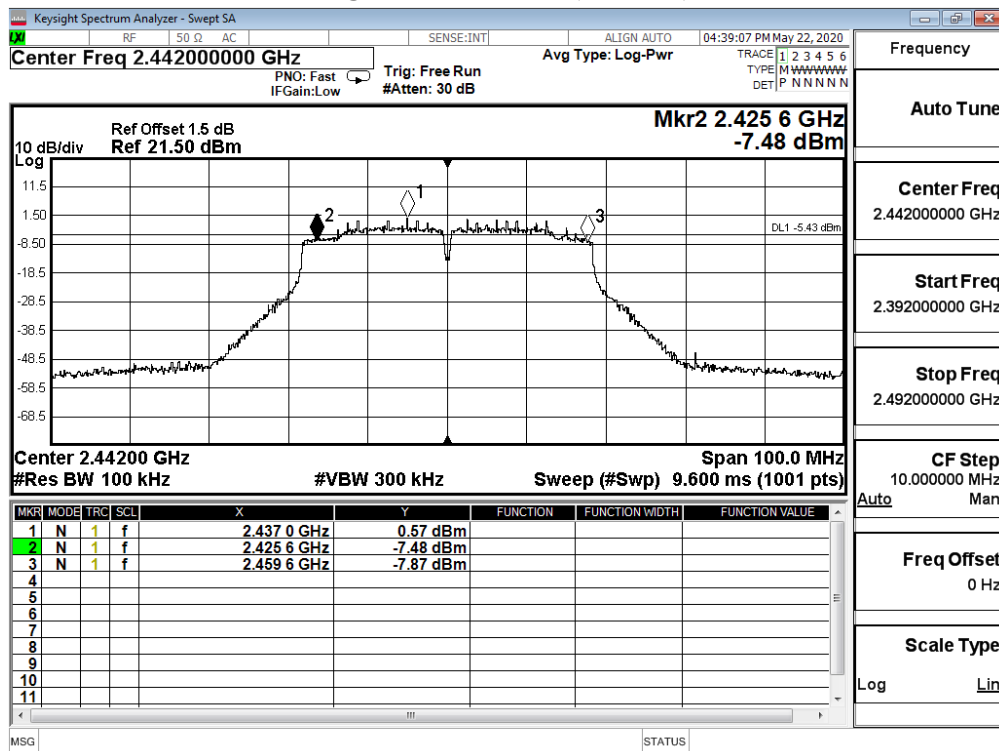


Figure Channel 09: (Chain A)

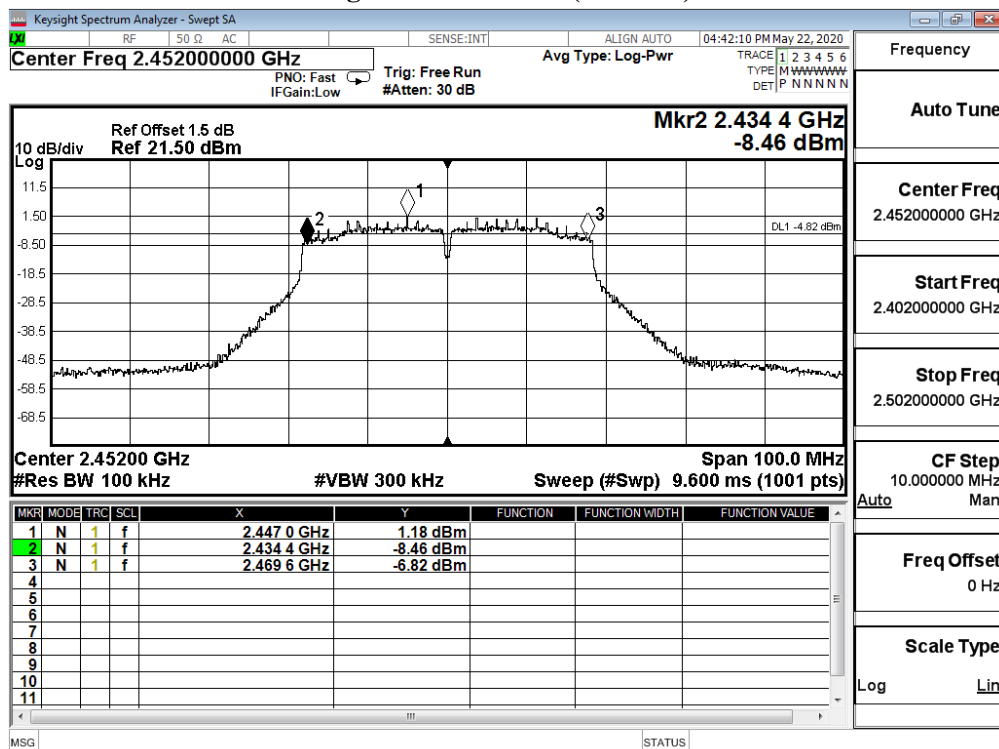


Figure Channel 10: (Chain A)

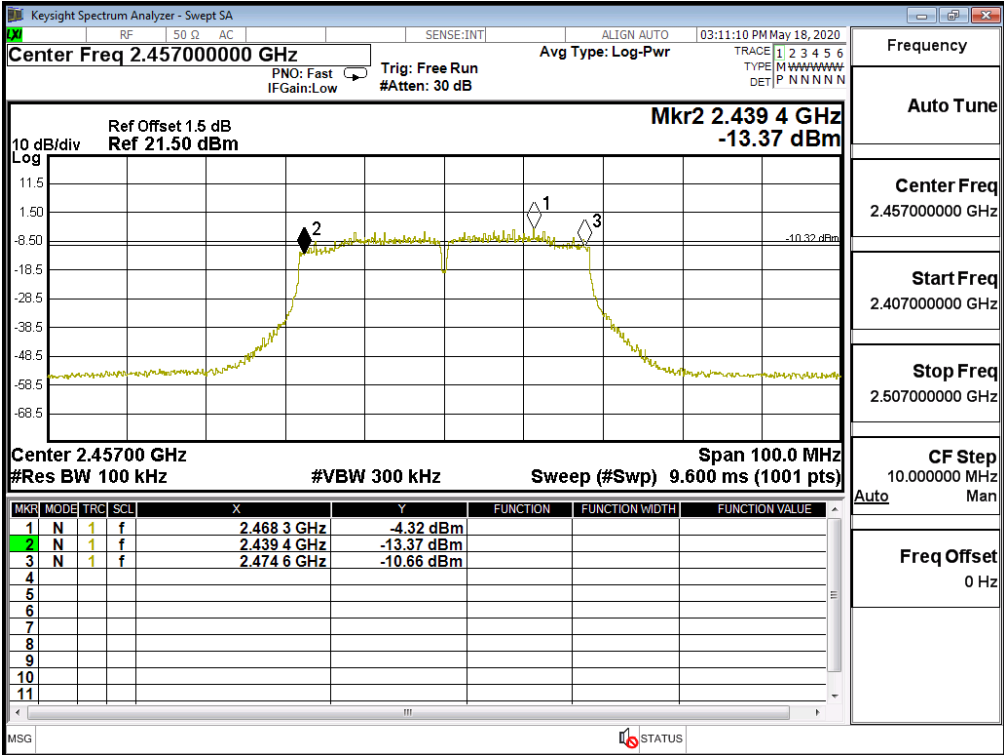
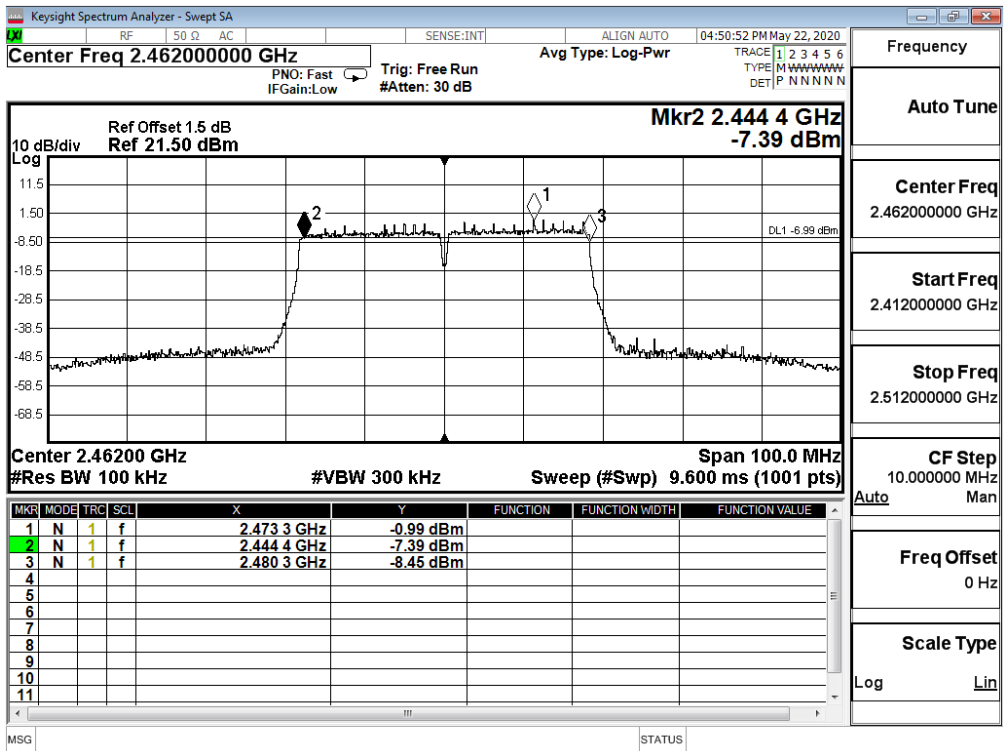


Figure Channel 11: (Chain A)



Product : Portable computer
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 14 MIMO: Transmit (802.11n-40BW_30Mbps)

Chain B

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3	2422	35900	>500	Pass
7	2442	33900	>500	Pass
9	2452	32100	>500	Pass
10	2457	35200	>500	Pass
11	2462	36500	>500	Pass

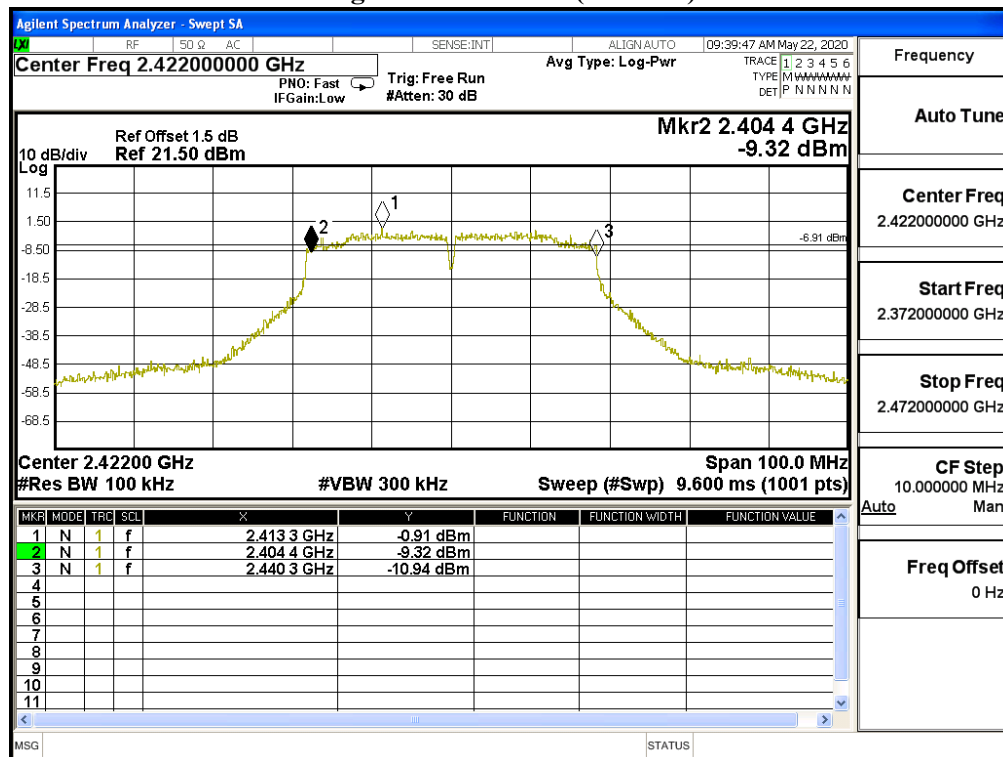
Figure Channel 03: (Chain B)

Figure Channel 07: (Chain B)

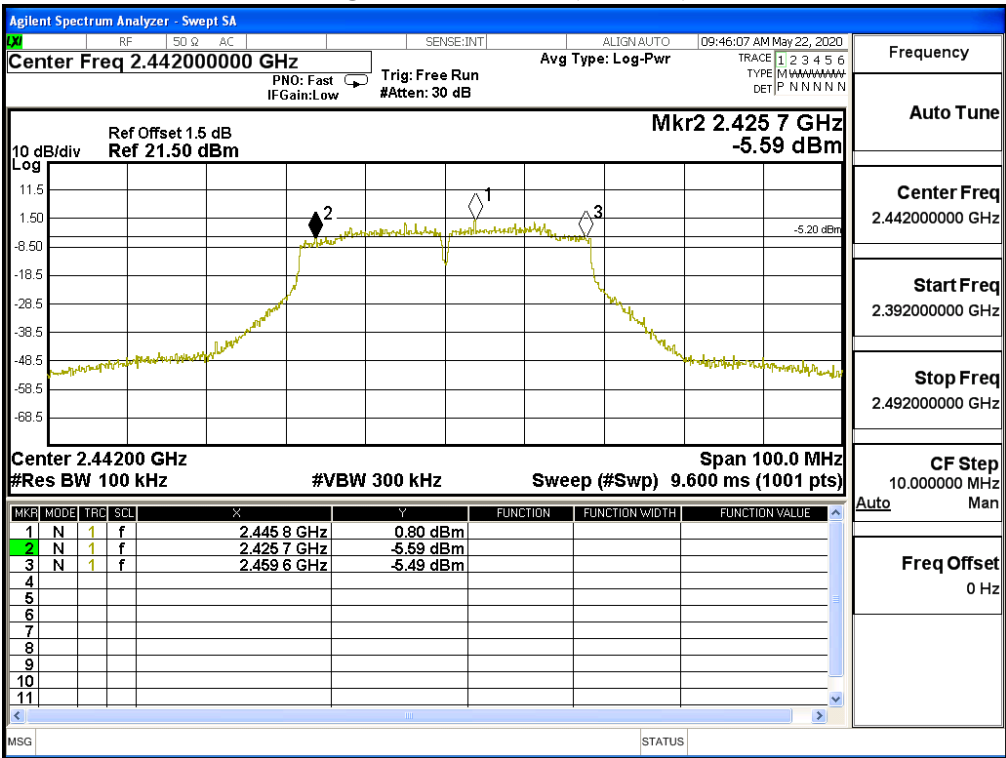


Figure Channel 09: (Chain B)

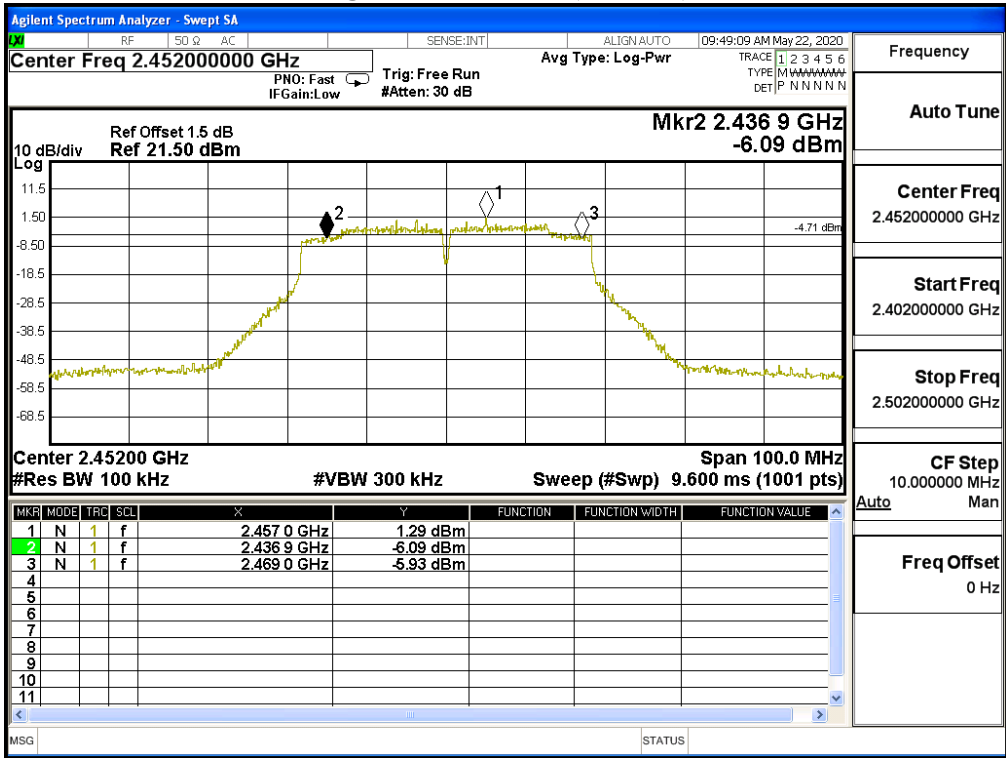


Figure Channel 10: (Chain B)

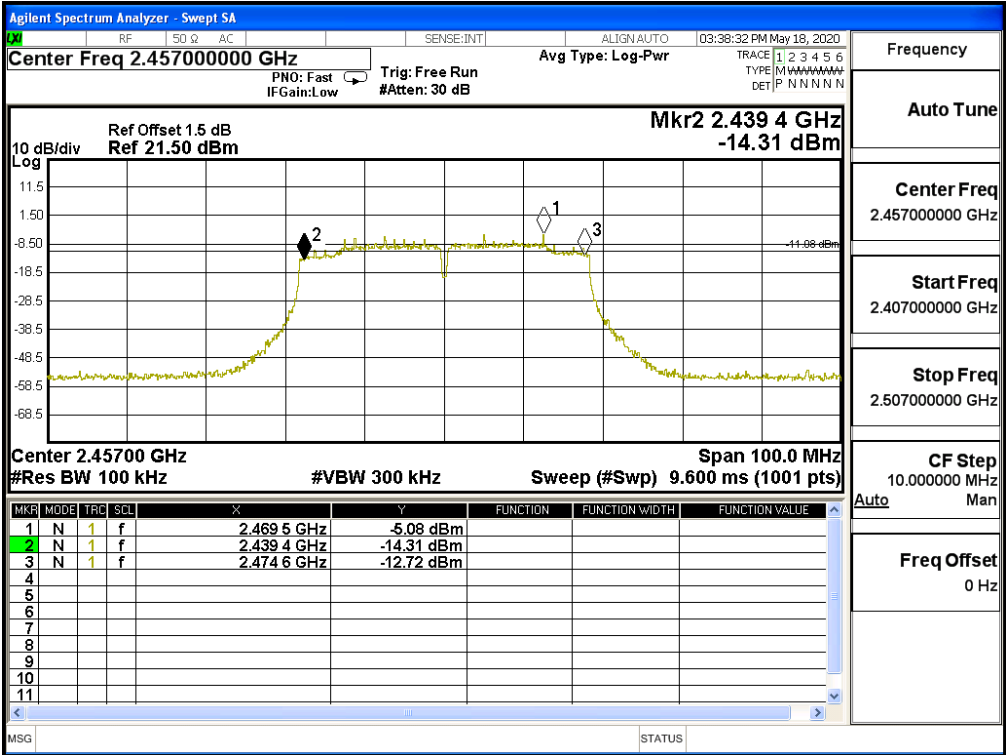
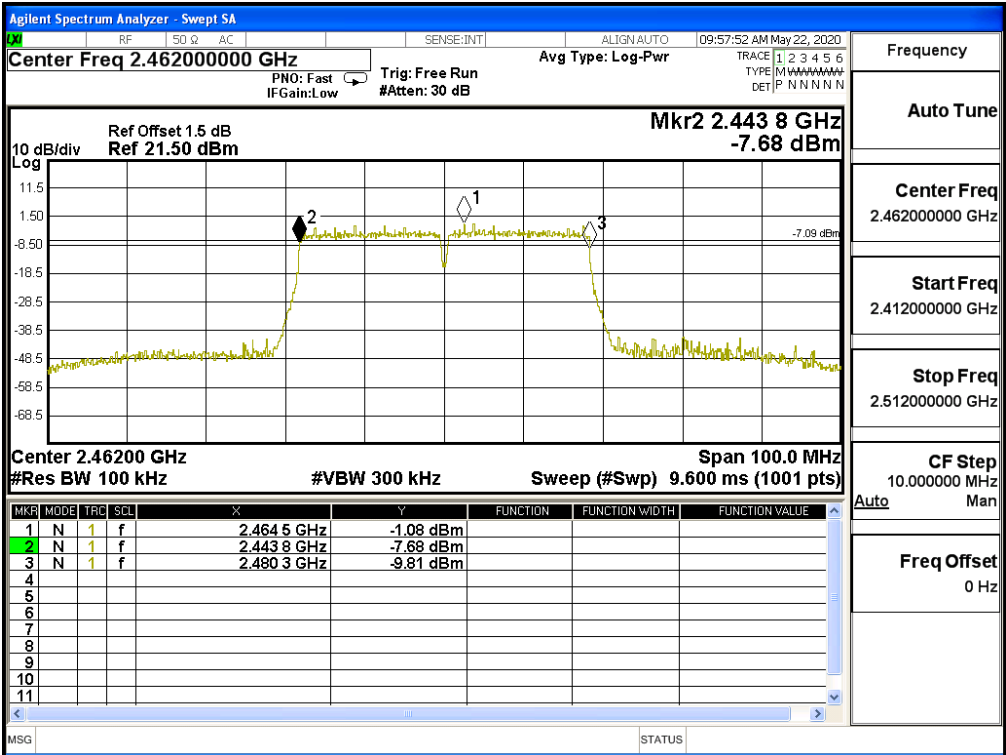


Figure Channel 11: (Chain B)



Product : Portable computer
 Test Item : 6dB Bandwidth Data
 Test Mode : Mode 15 MIMO: Transmit (802.11ax-20BW_17.2Mbps)

Chain A

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412	16550	>500	Pass
7	2442	18350	>500	Pass
11	2462	16450	>500	Pass
12	2467	16350	>500	Pass
13	2472	18750	>500	Pass

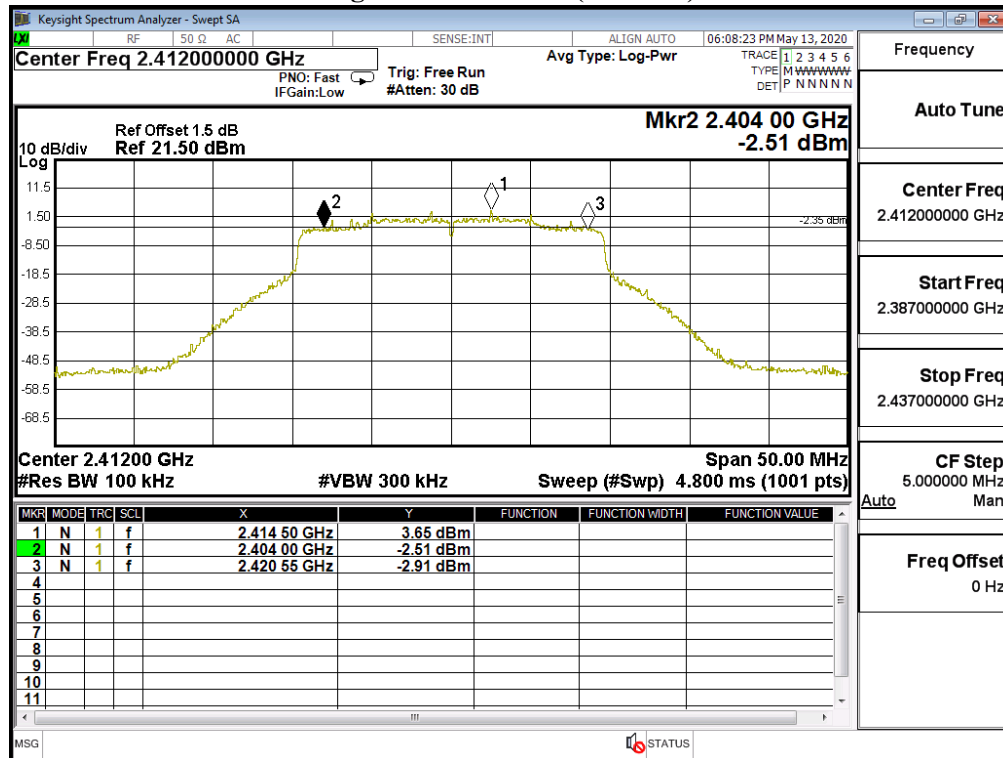
Figure Channel 01: (Chain A)

Figure Channel 07: (Chain A)

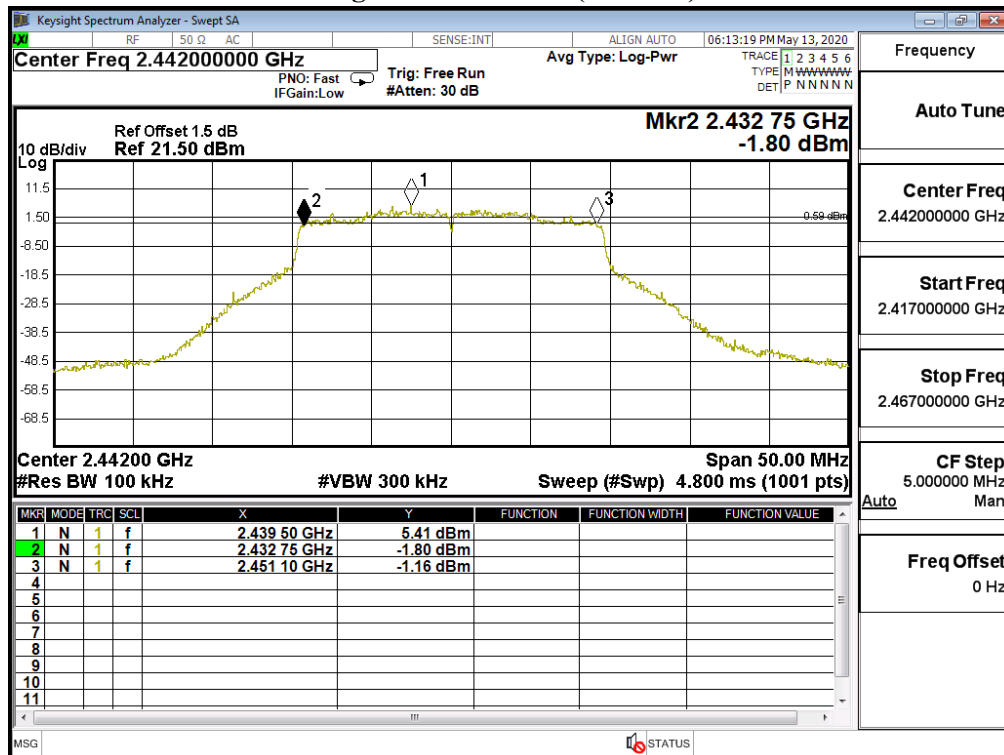


Figure Channel 11: (Chain A)

