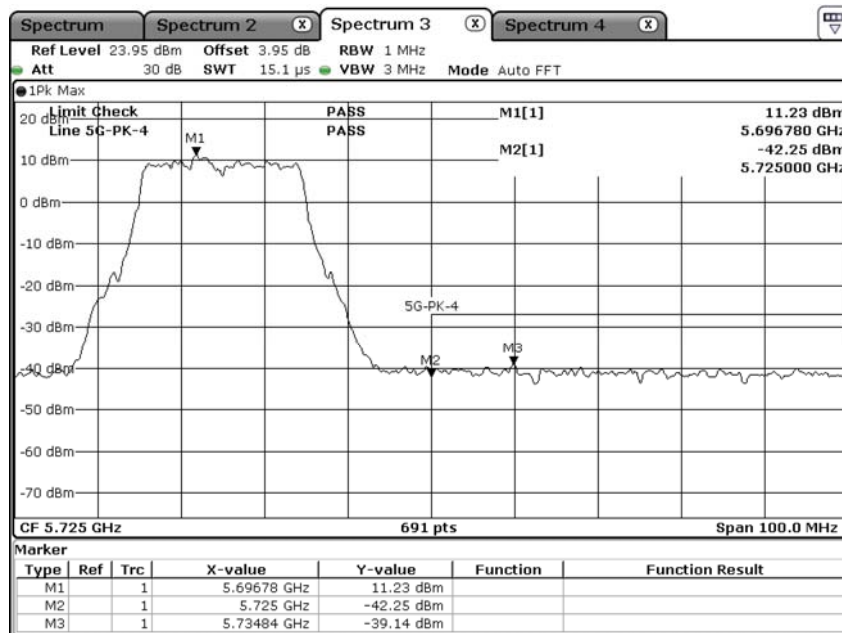
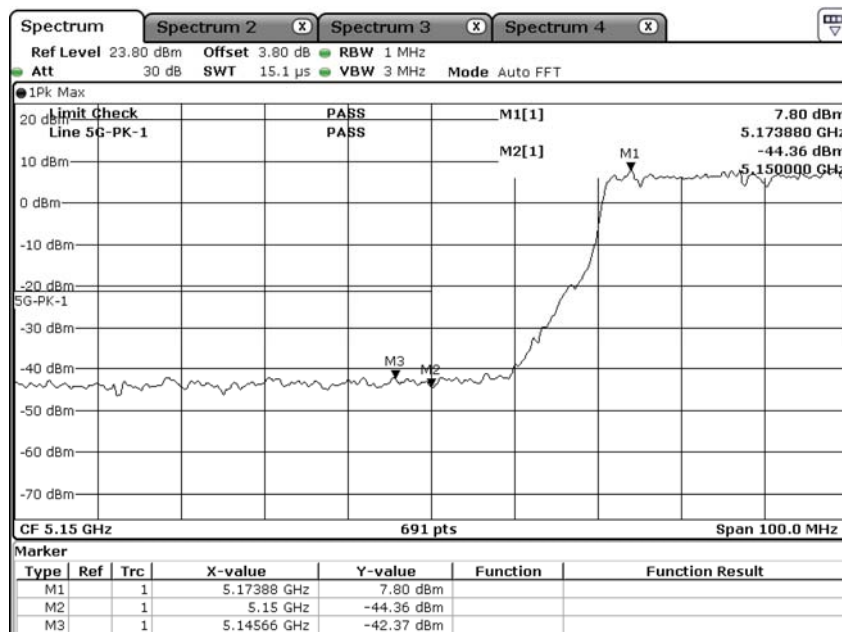


Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 15: SISO B: Transmit (802.11ax-20BW_8.6Mbps)-Channel 140

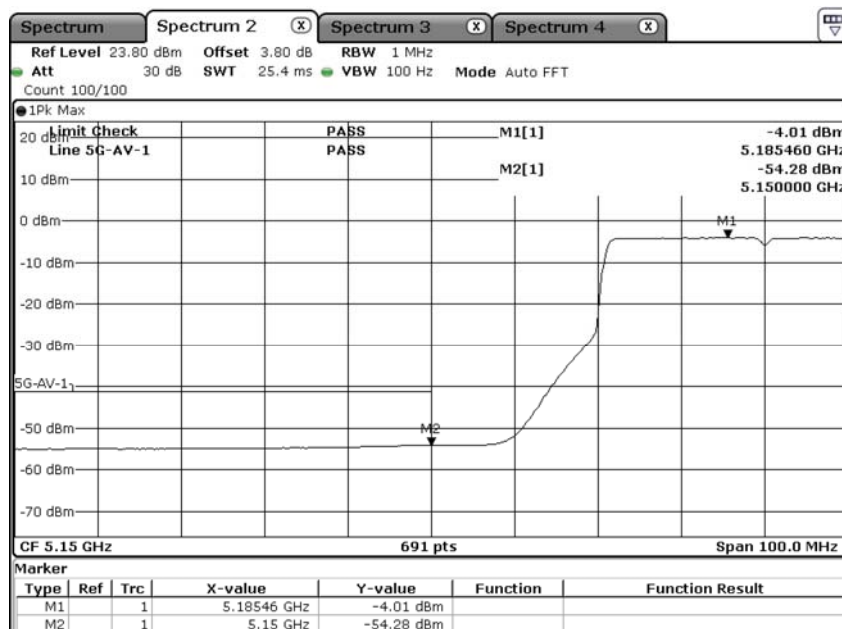
Peak:

Date: 25.NOV.2020 14:08:33

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 16: SISO B: Transmit (802.11ax-40BW_17.2Mbps)-Channel 38

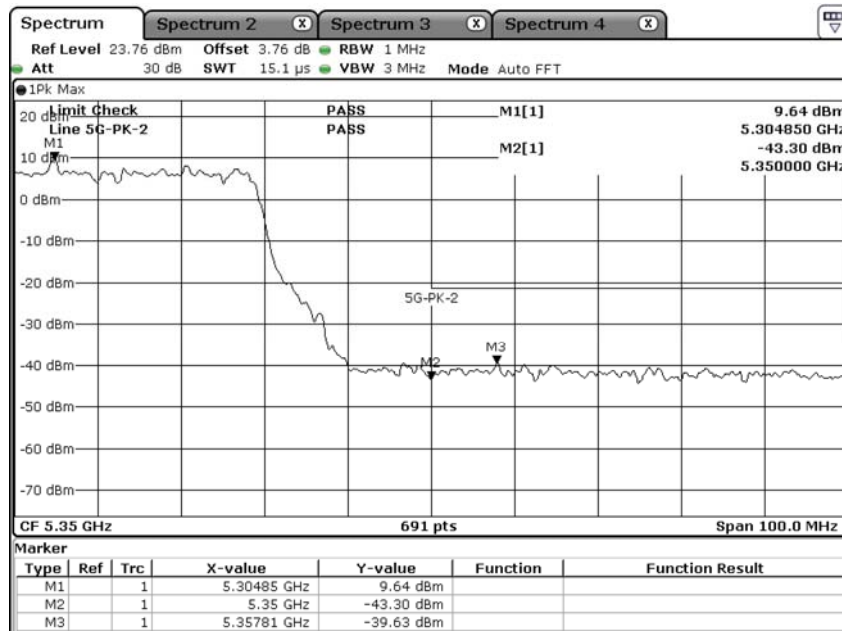
Peak:

Date: 21.NOV.2020 08:07:55

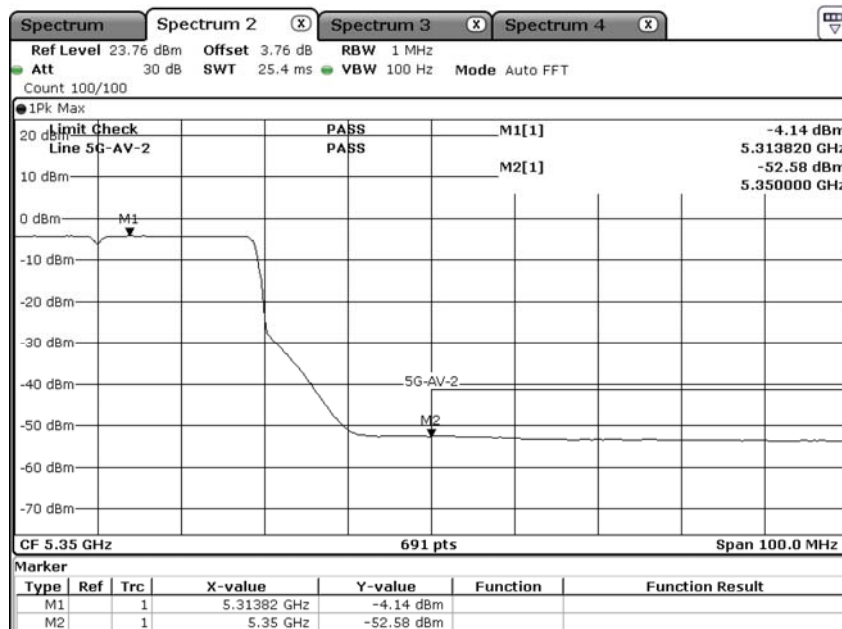
Average:

Date: 21.NOV.2020 08:08:51

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 16: SISO B: Transmit (802.11ax-40BW_17.2Mbps)-Channel 62

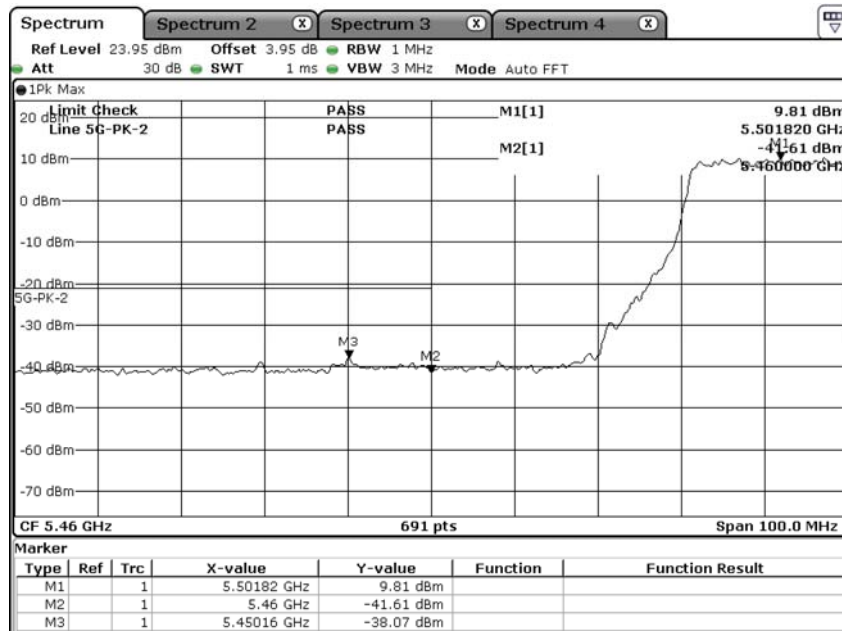
Peak:

Date: 21.NOV.2020 08:09:37

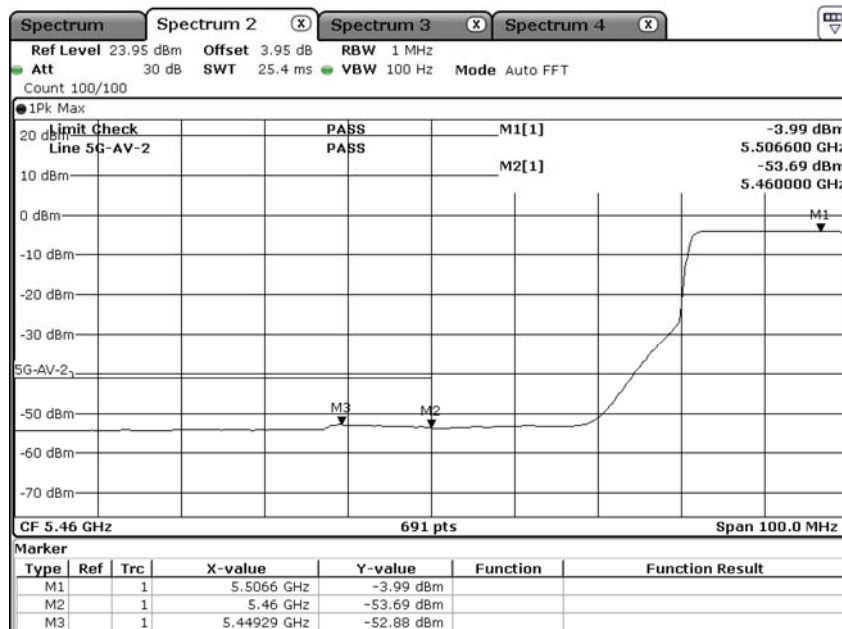
Average:

Date: 21.NOV.2020 08:10:13

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 16: SISO B: Transmit (802.11ax-40BW_17.2Mbps)-Channel 102

Peak:

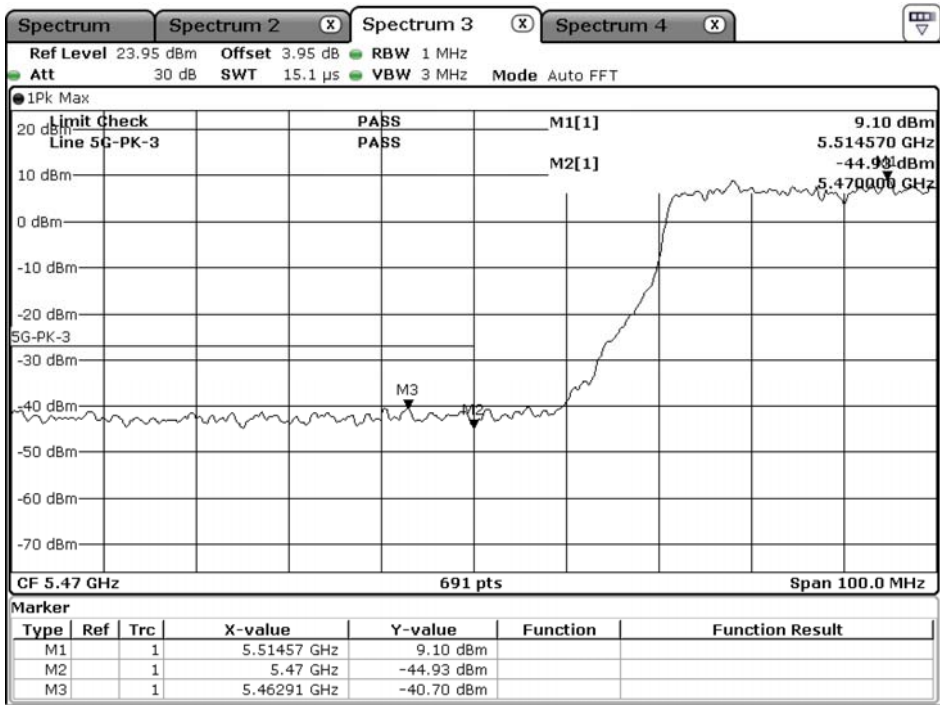
Date: 21.NOV.2020 08:10:56

Average:

Date: 21.NOV.2020 08:11:21

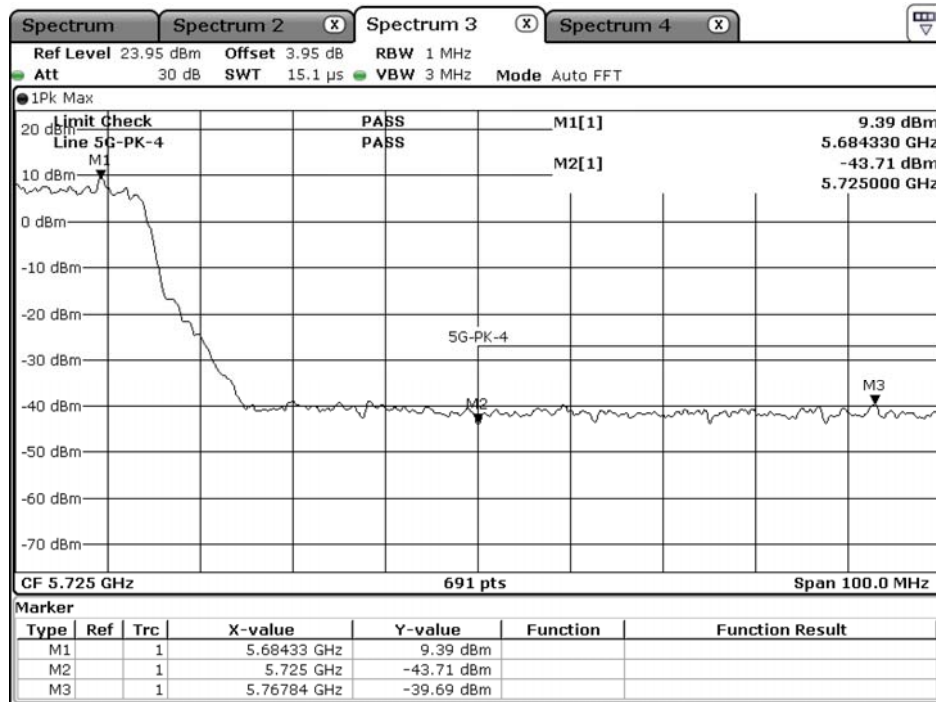
Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 16: SISO B: Transmit (802.11ax-40BW_17.2Mbps)-Channel 102

Peak:



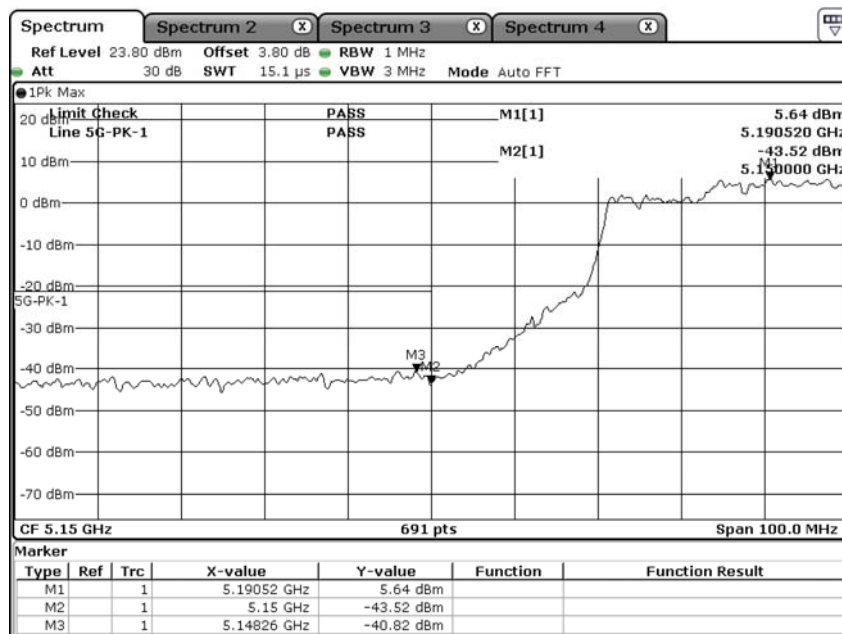
Date: 21.NOV.2020 08:11:50

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 16: SISO B: Transmit (802.11ax-40BW_17.2Mbps)-Channel 134

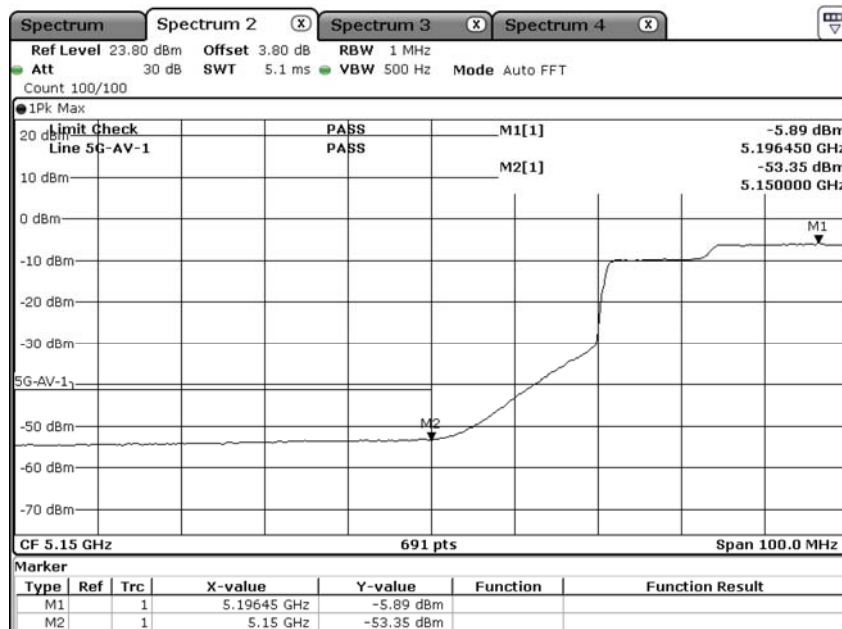
Peak:

Date: 25.NOV.2020 14:10:04

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 17: SISO B: Transmit (802.11ax-80BW_36Mbps)-Channel 42

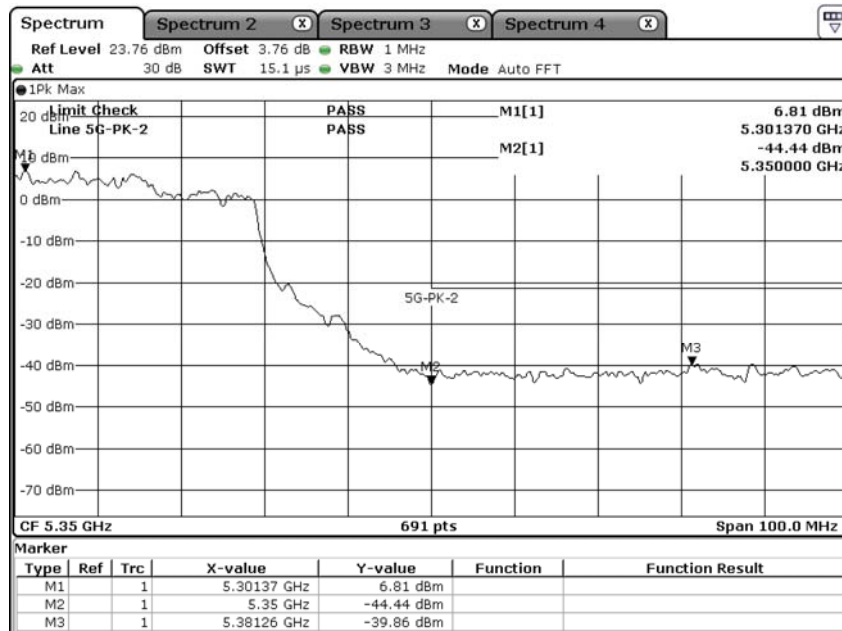
Peak:

Date: 21.NOV.2020 08:16:26

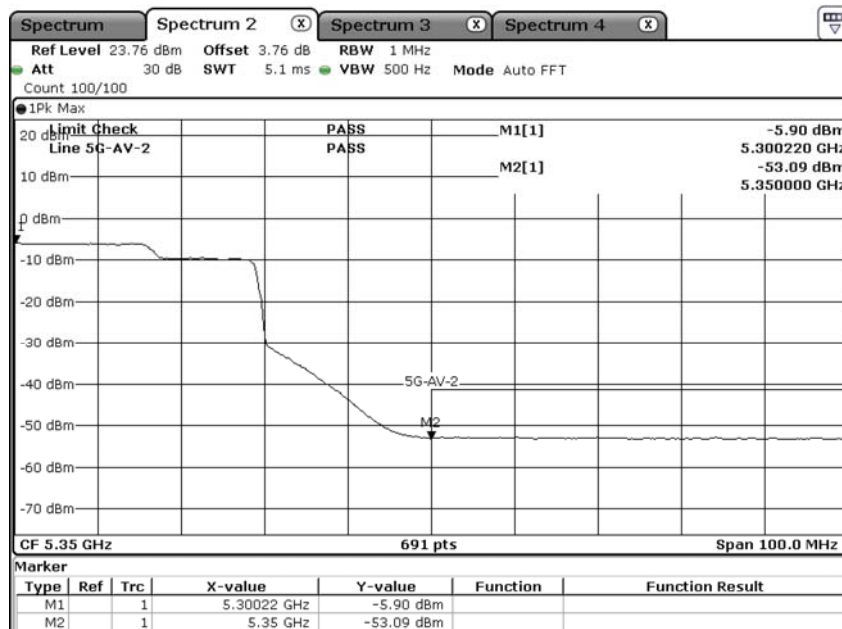
Average:

Date: 21.NOV.2020 08:17:14

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 17: SISO B: Transmit (802.11ax-80BW_36Mbps)-Channel 58

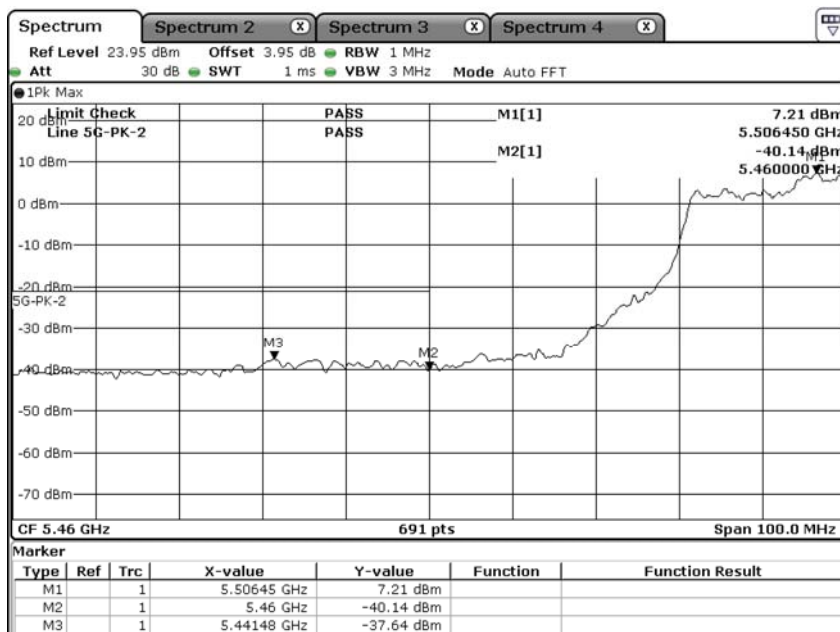
Peak:

Date: 21.NOV.2020 08:19:27

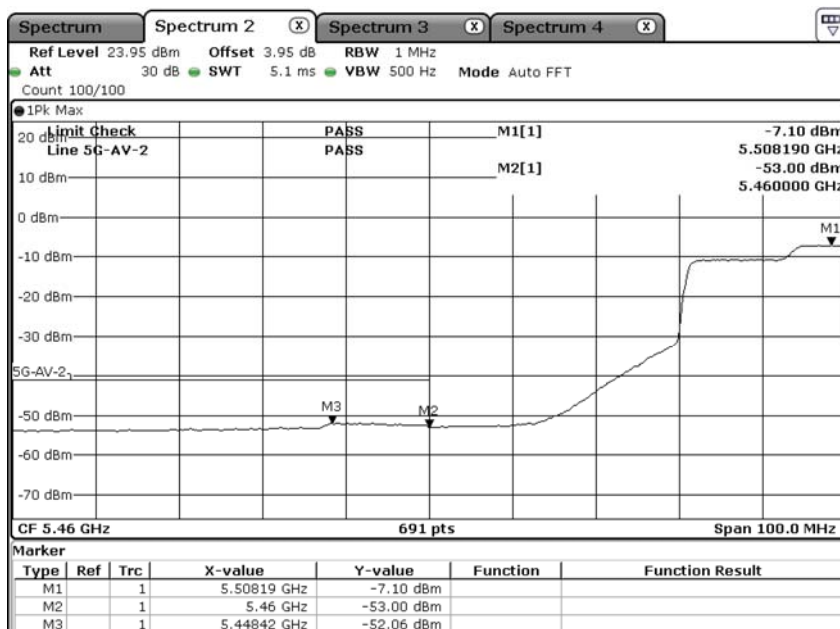
Average:

Date: 21.NOV.2020 08:19:50

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 17: SISO B: Transmit (802.11ax-80BW_36Mbps)-Channel 106

Peak:

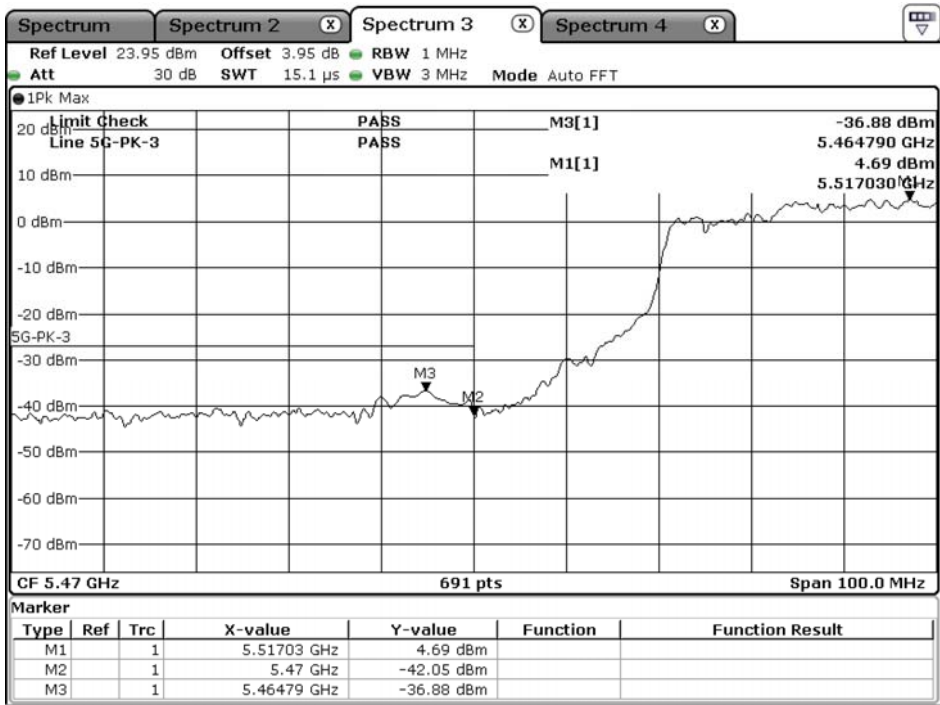
Date: 21.NOV.2020 08:20:49

Average:

Date: 21.NOV.2020 08:21:31

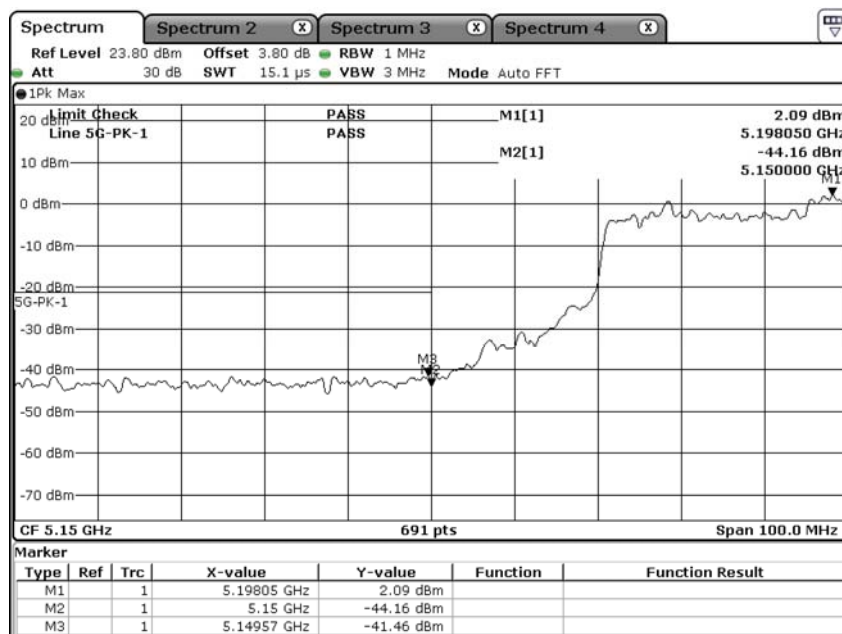
Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 17: SISO B: Transmit (802.11ax-80BW_36Mbps)-Channel 106

Peak:

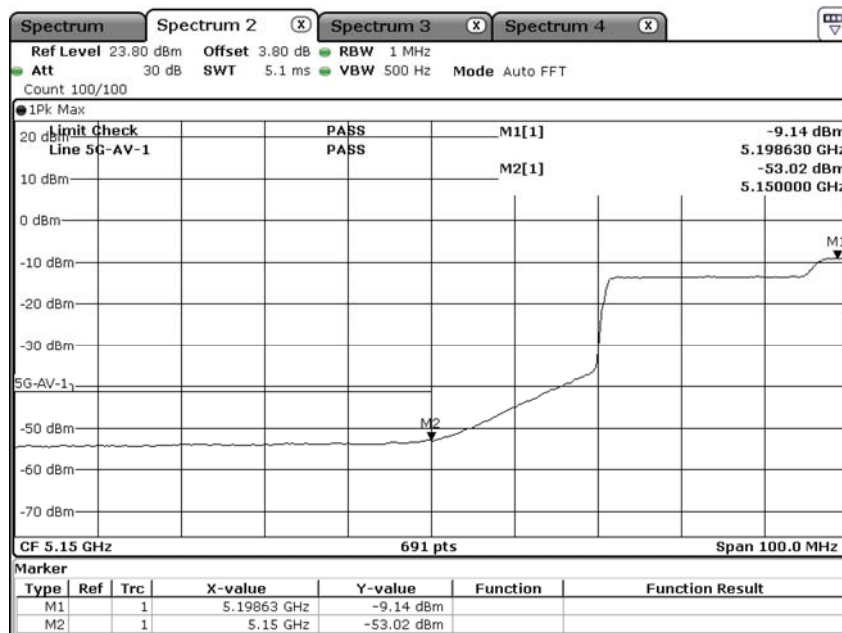


Date: 21.NOV.2020 08:22:40

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 18: SISO B: Transmit (802.11ax-160BW_72.1Mbps)-Channel 50

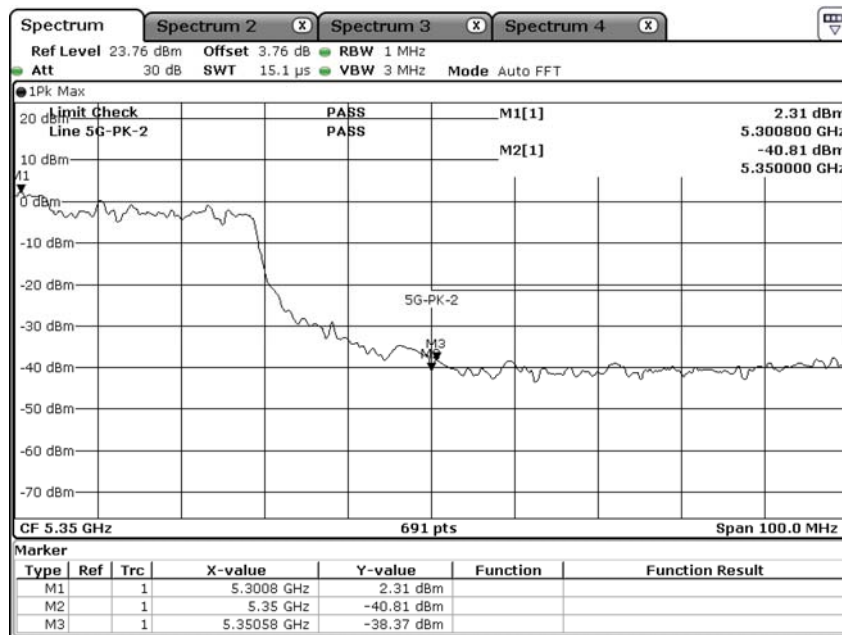
(Band 1)**Peak:**

Date: 21.NOV.2020 08:24:32

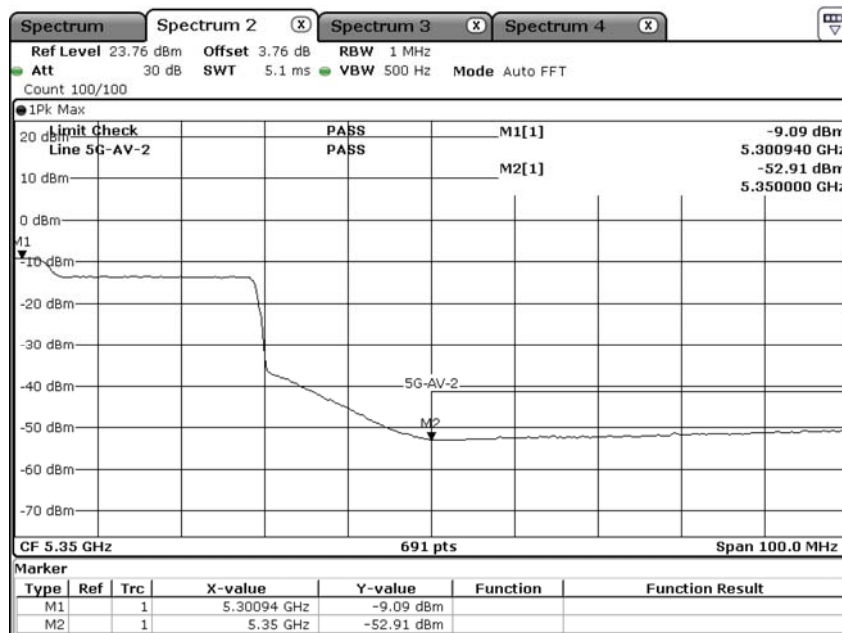
Average:

Date: 21.NOV.2020 08:25:05

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 18: SISO B: Transmit (802.11ax-160BW_72.1Mbps)-Channel 50

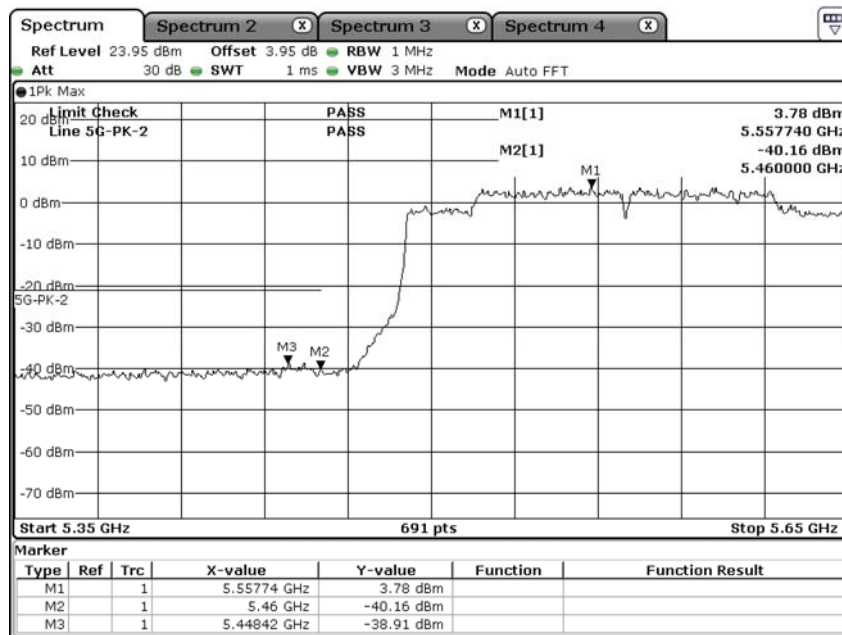
(Band 2)**Peak:**

Date: 21.NOV.2020 08:25:54

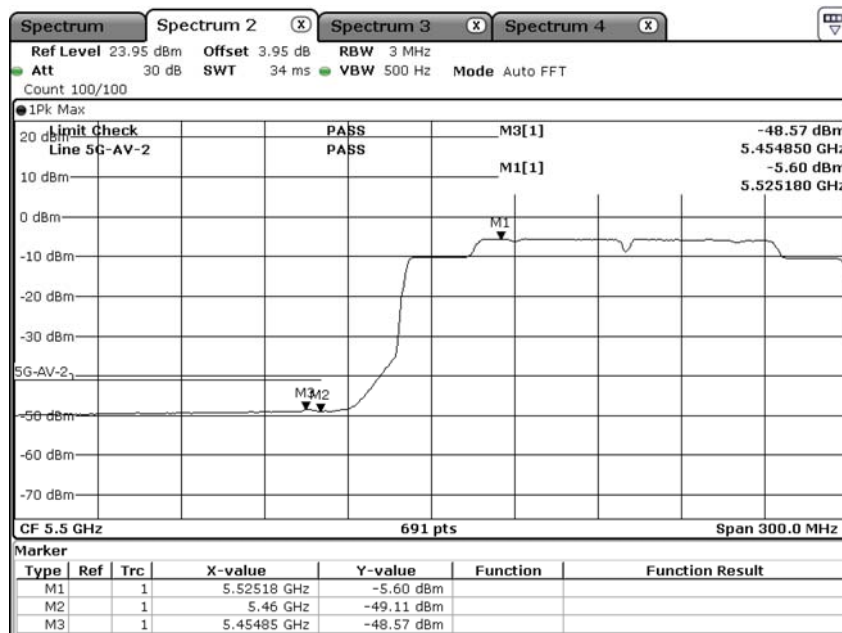
Average:

Date: 21.NOV.2020 08:26:23

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 18: SISO B: Transmit (802.11ax-160BW_72.1Mbps)-Channel 114

Peak:

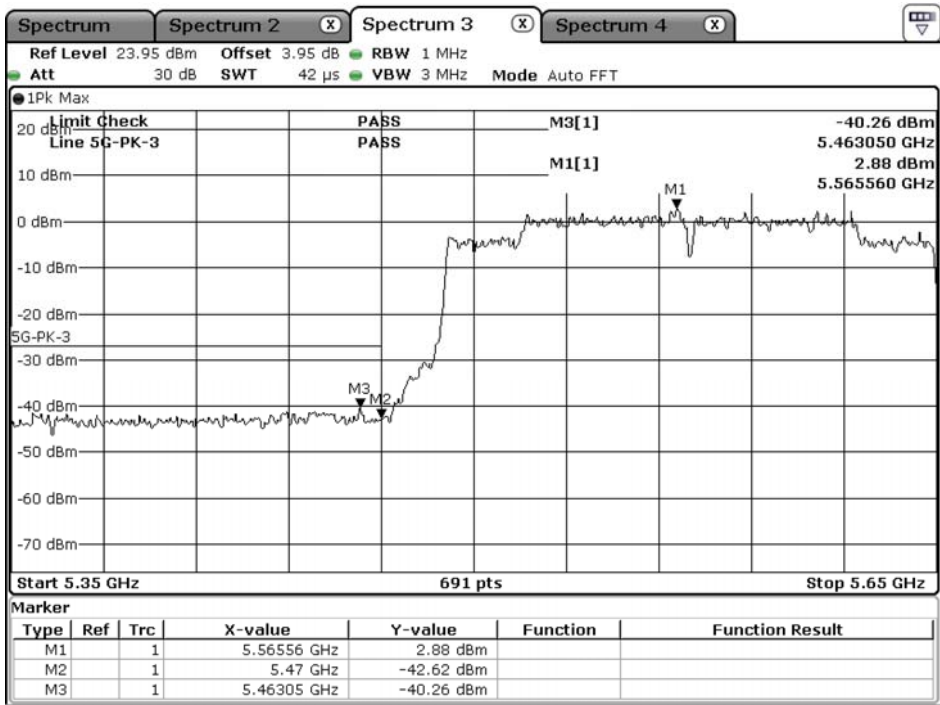
Date: 21.NOV.2020 08:28:56

Average:

Date: 21.NOV.2020 08:28:29

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 18: SISO B: Transmit (802.11ax-160BW_72.1Mbps)-Channel 114

Peak:

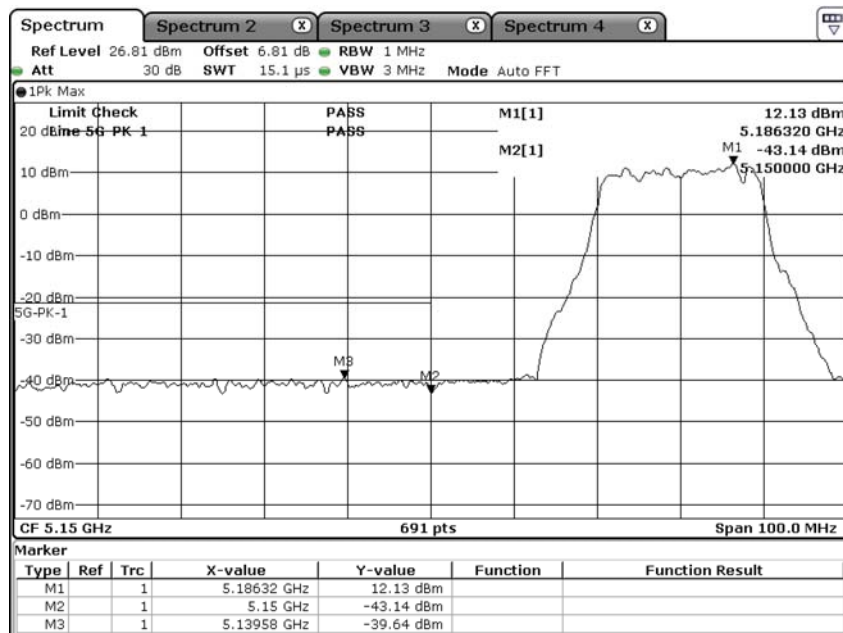


Date: 21.NOV.2020 08:27:43

Product : Notebook Computers
 Test Item : Band Edge Data
 Test Date : 2020/11/21
 Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)-Channel 36

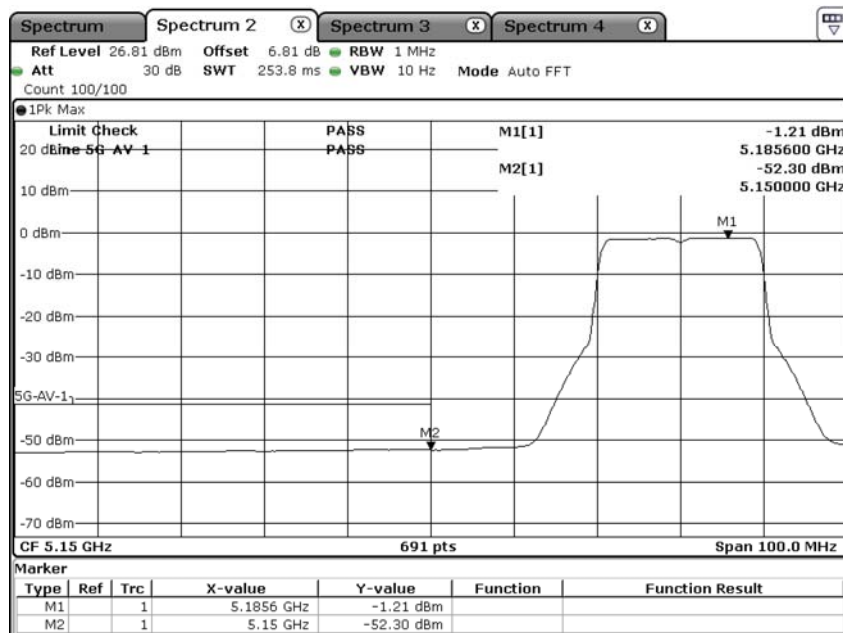
Chain A

Peak:



Date: 21.NOV.2020 03:26:28

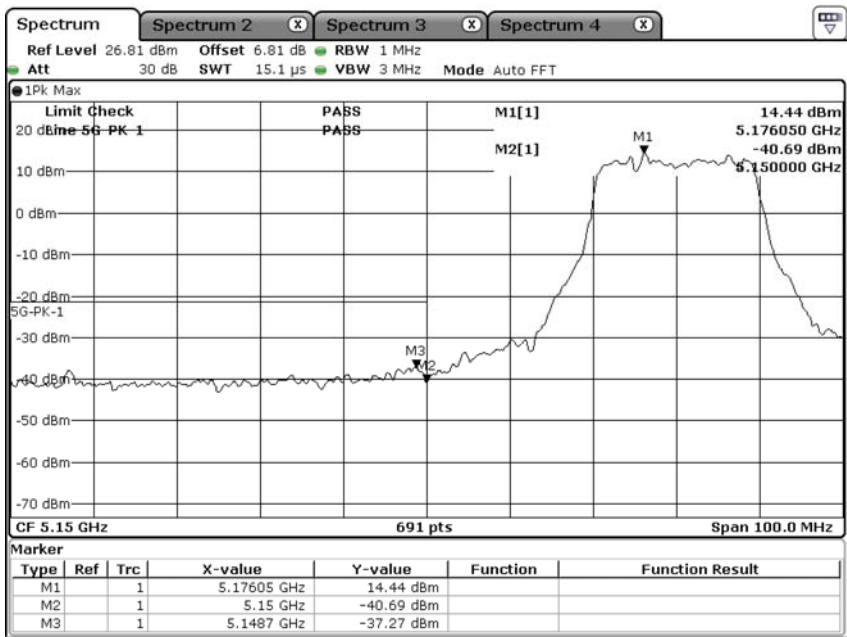
Average:



Date: 21.NOV.2020 03:28:48

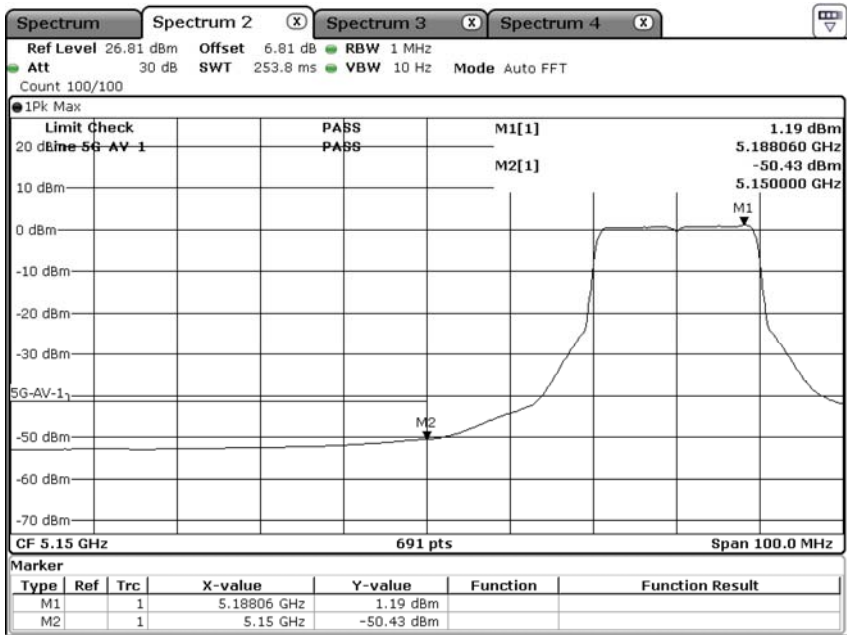
Chain B

Peak:



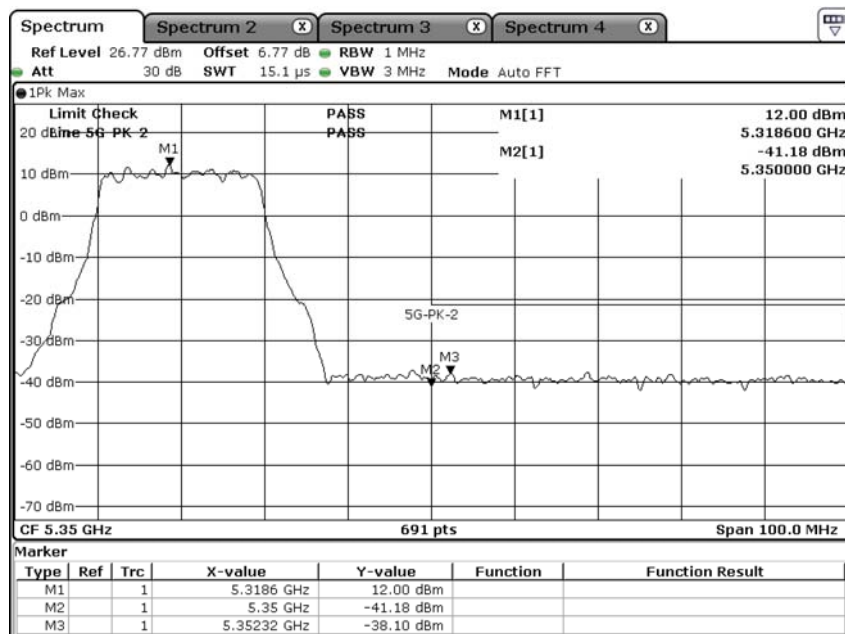
Date: 21.NOV.2020 03:30:05

Average:

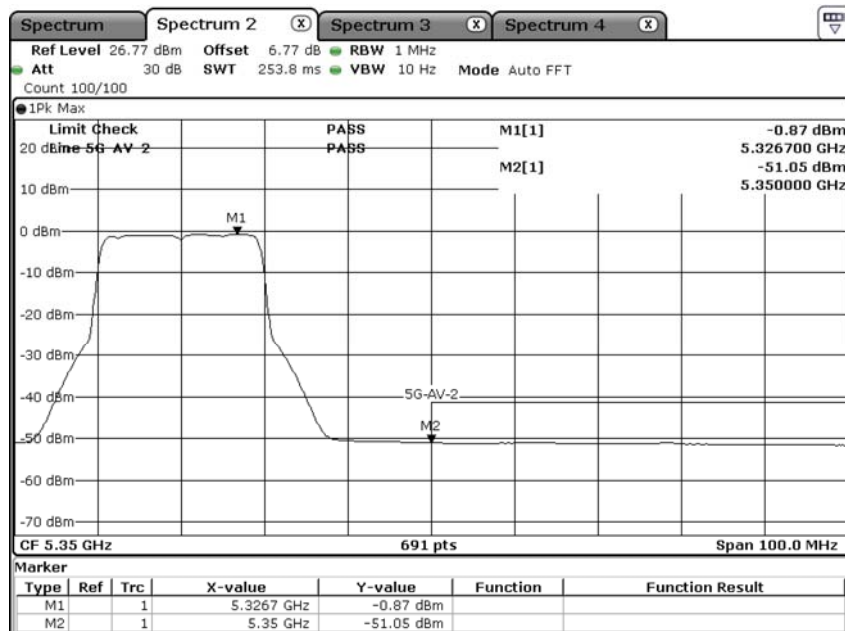


Date: 21.NOV.2020 03:32:27

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)-Channel 64

Chain A**Peak:**

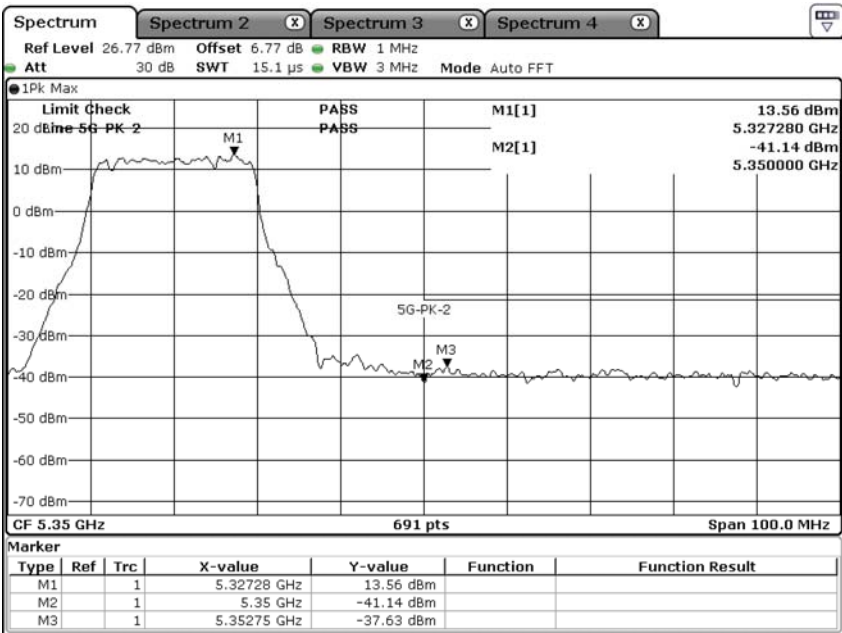
Date: 21.NOV.2020 03:40:12

Average:

Date: 21.NOV.2020 03:39:10

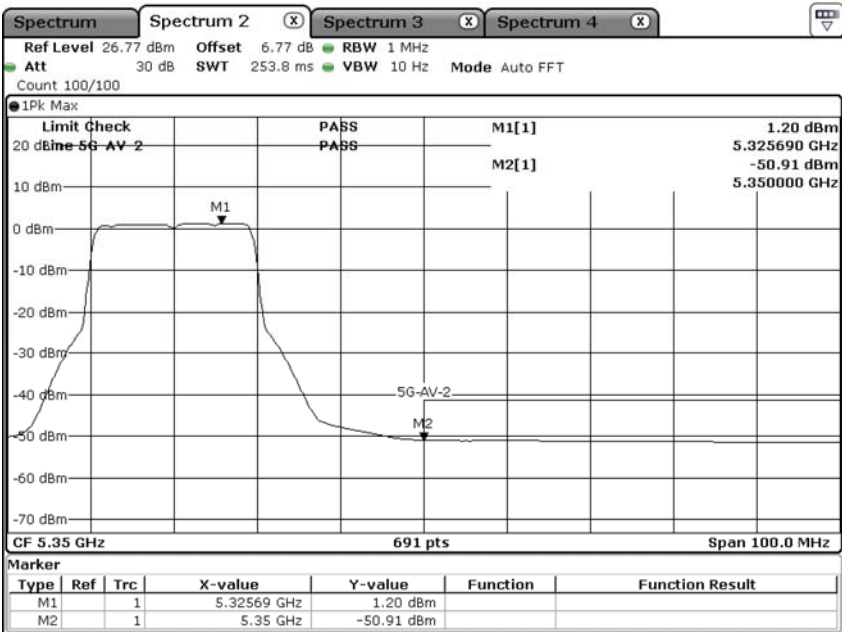
Chain B

Peak:



Date: 21.NOV.2020 03:33:36

Average:

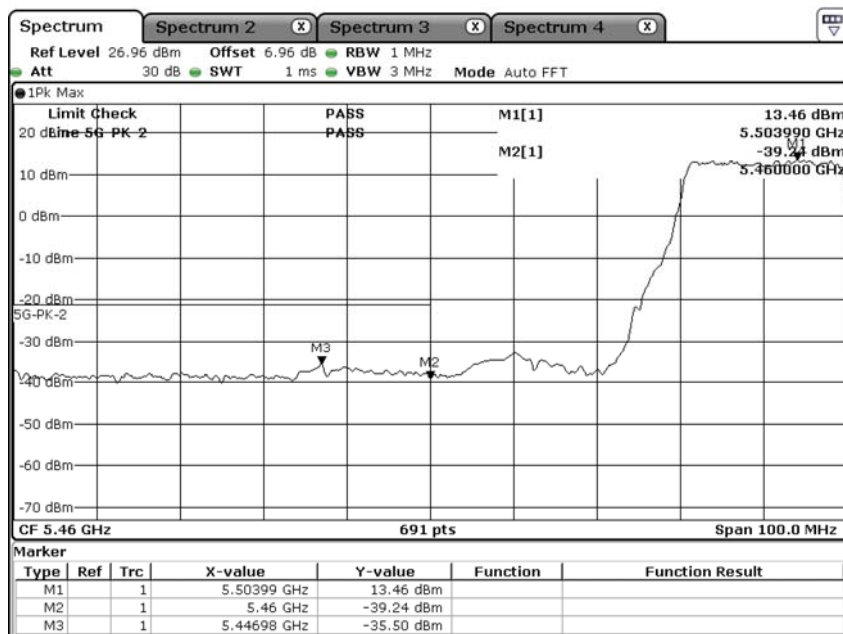


Date: 21.NOV.2020 03:36:39

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps) -Channel 100

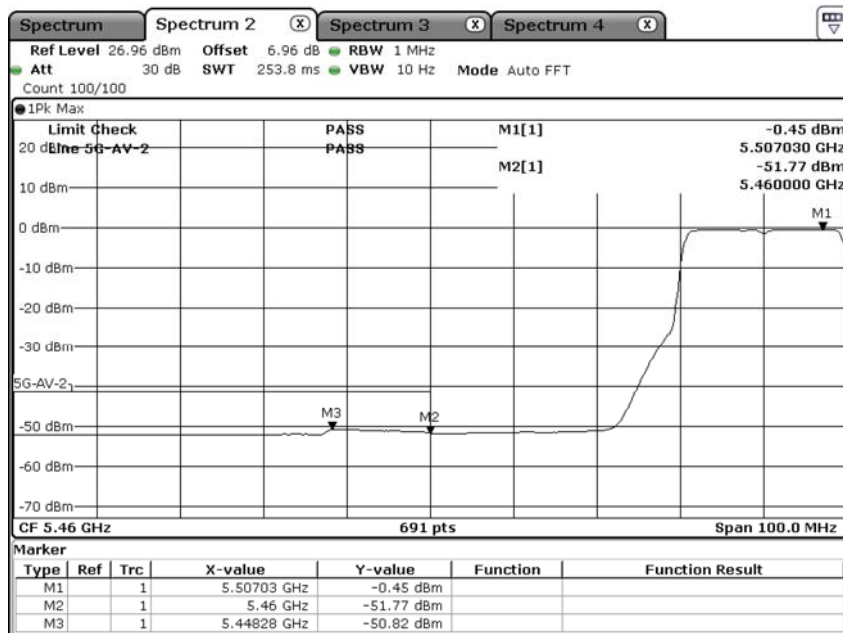
Chain A

Peak:



Date: 21.NOV.2020 03:44:45

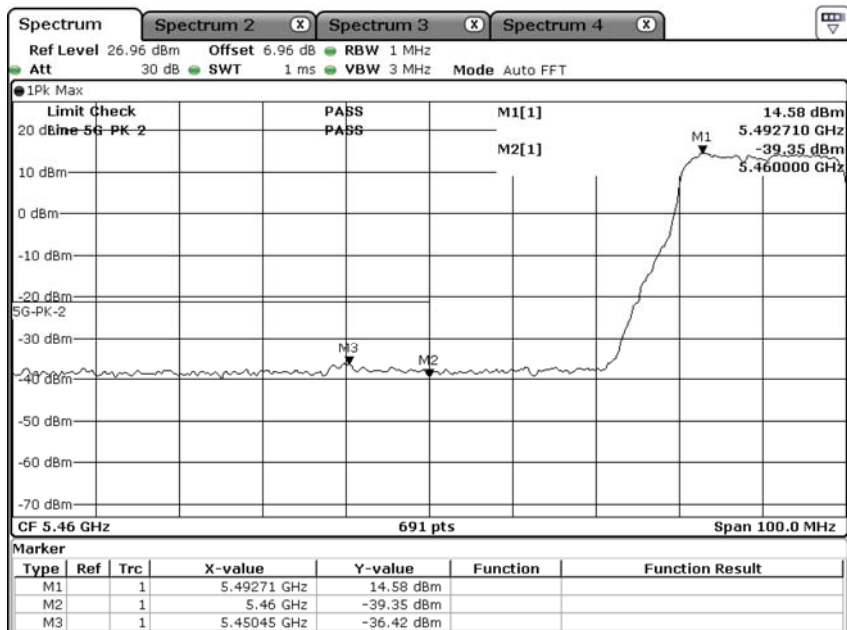
Average:



Date: 21.NOV.2020 03:44:03

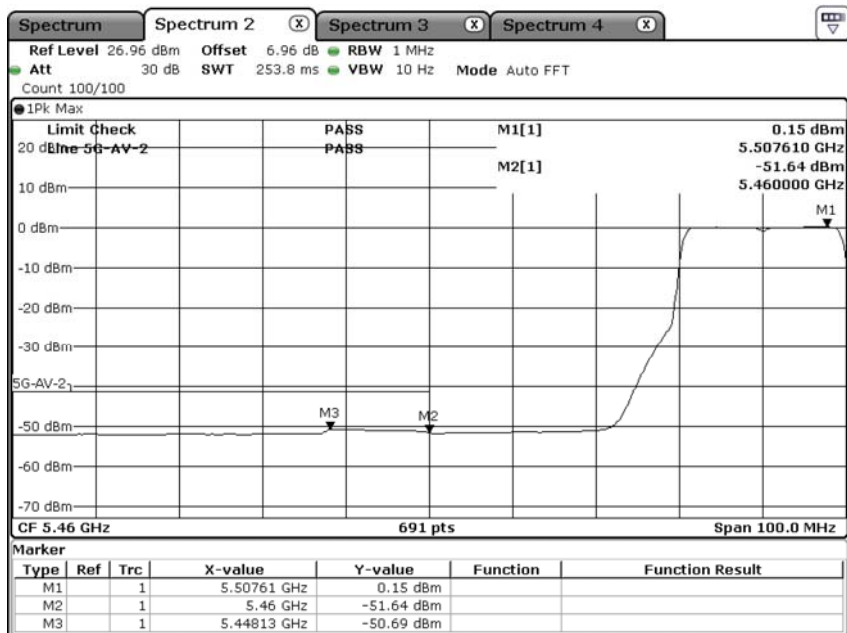
Chain B

Peak:



Date: 21.NOV.2020 03:46:50

Average:

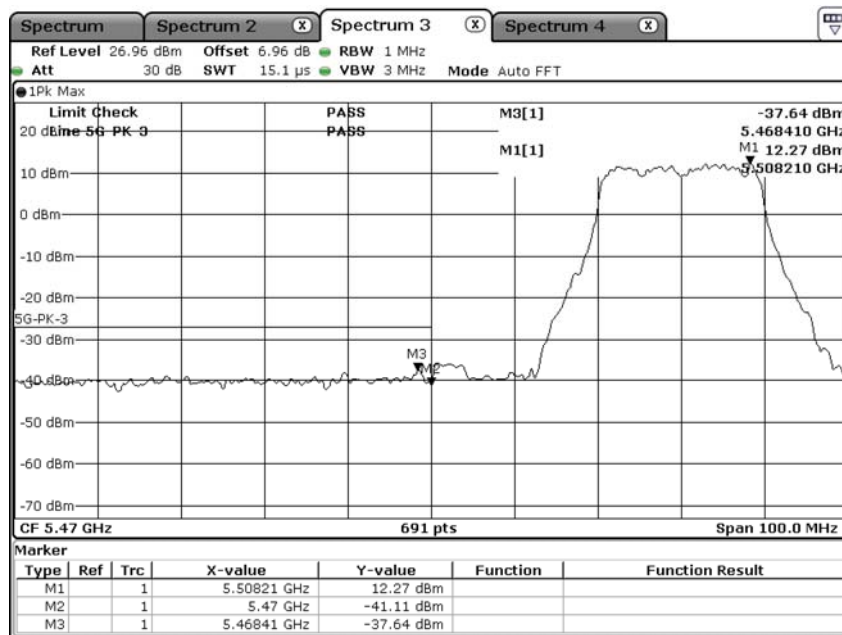


Date: 21.NOV.2020 03:51:17

Product : Notebook Computers
 Test Item : Band Edge Data
 Test Date : 2020/11/21
 Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)-Channel 100

Chain A

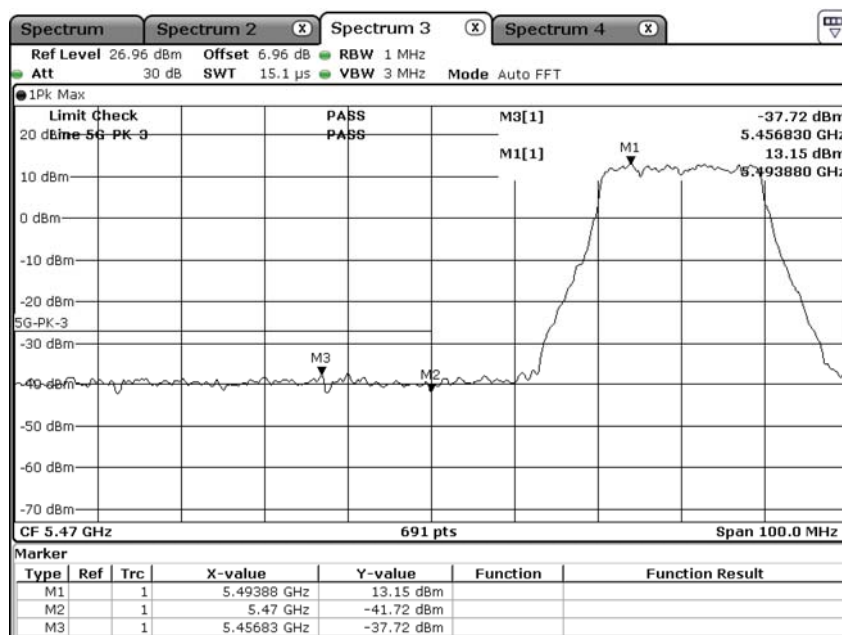
Peak:



Date: 21.NOV.2020 03:45:42

Chain B

Peak:

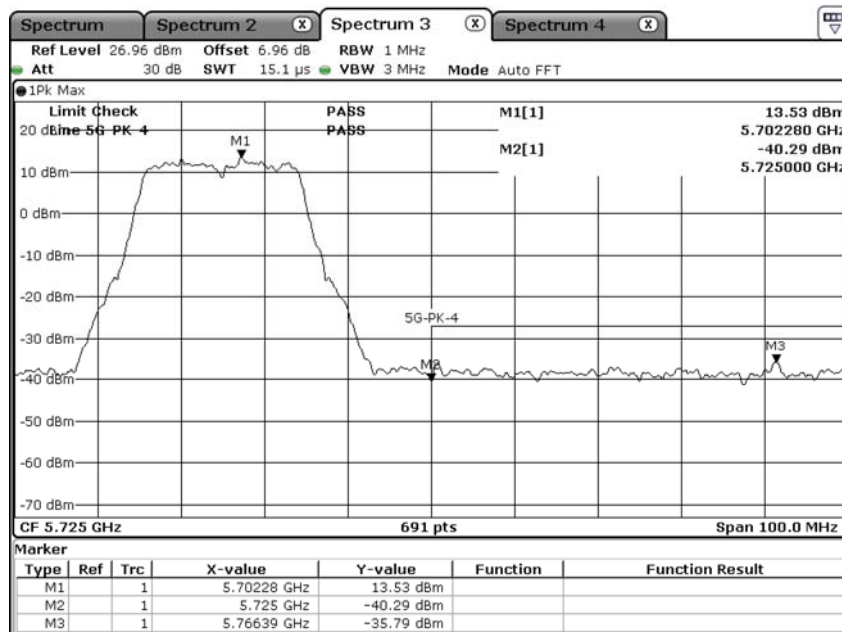


Date: 21.NOV.2020 03:48:43

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)-Channel 140

Chain A

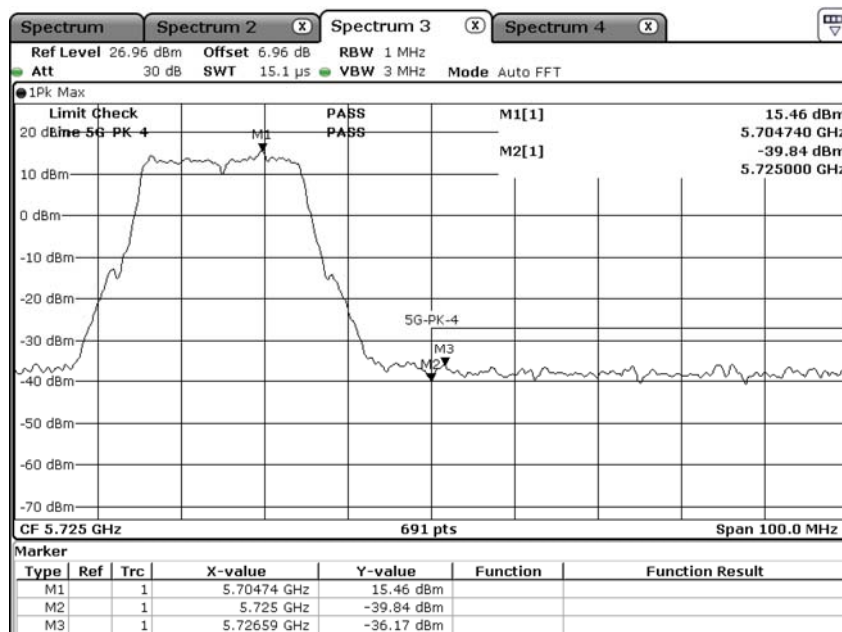
Peak:



Date: 25.NOV.2020 14:16:32

Chain B

Peak:

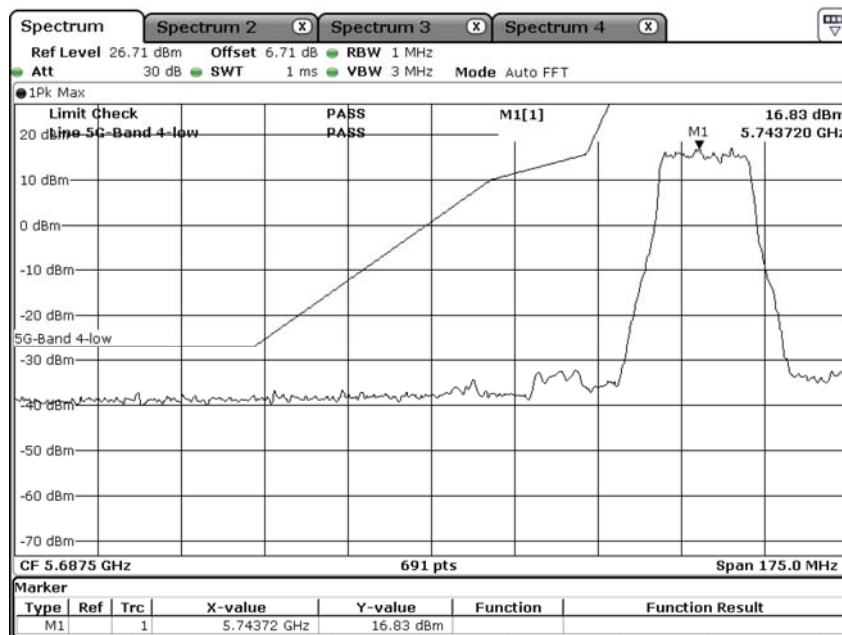


Date: 25.NOV.2020 14:14:56

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)-Channel 149

Chain A

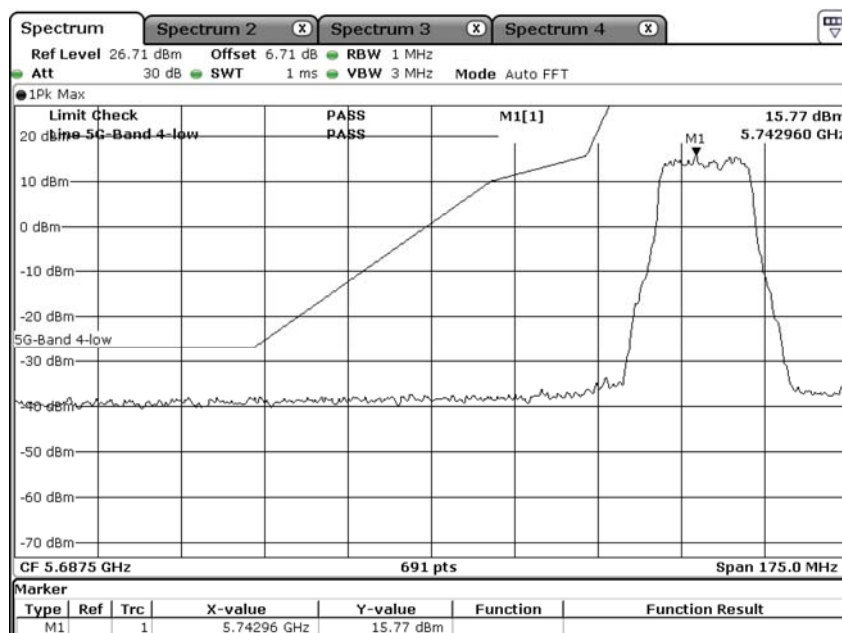
Peak:



Date: 21.NOV.2020 03:56:19

Chain B

Peak:

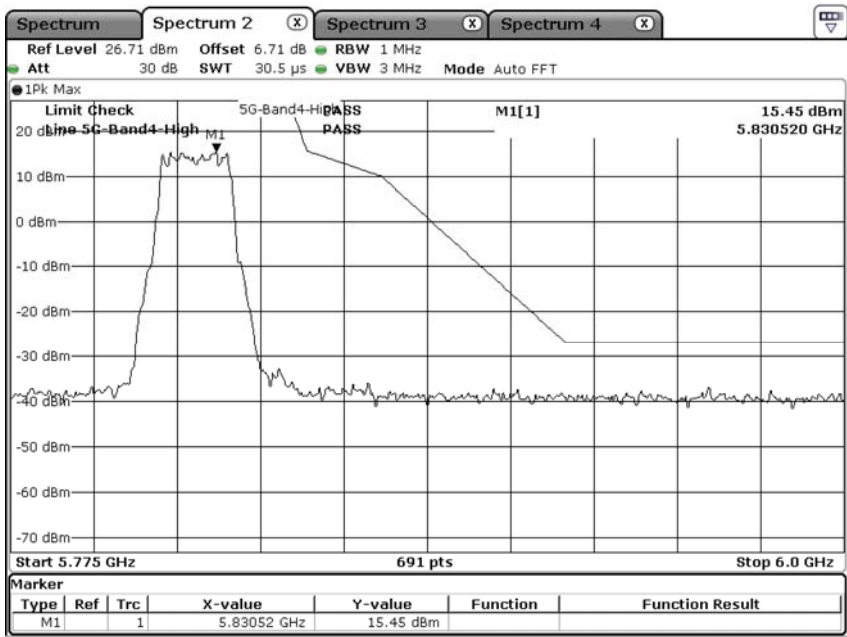


Date: 21.NOV.2020 03:57:11

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)-Channel 165

Chain A

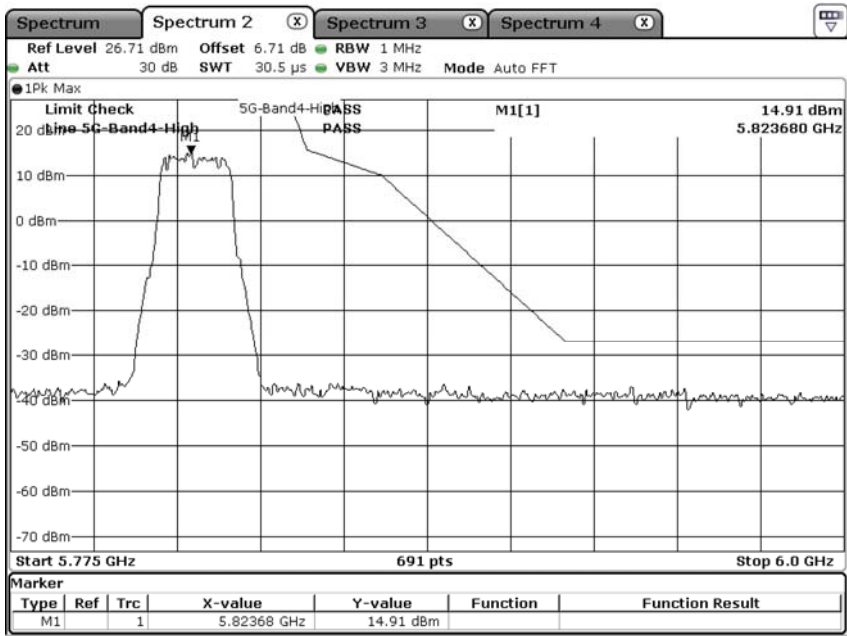
Peak:



Date: 21.NOV.2020 04:03:18

Chain B

Peak:

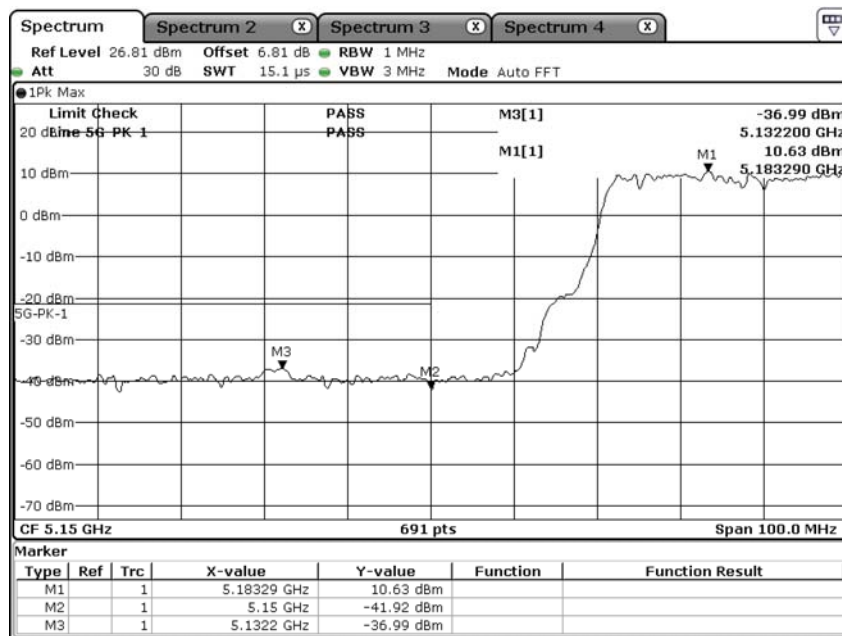


Date: 21.NOV.2020 04:05:25

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps) -Channel 38

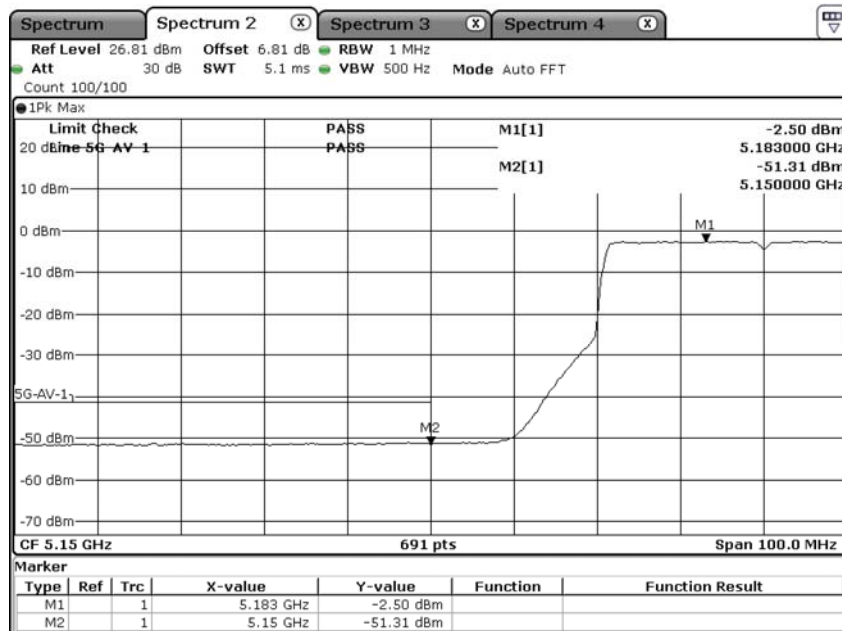
Chain A

Peak:



Date: 21.NOV.2020 04:10:51

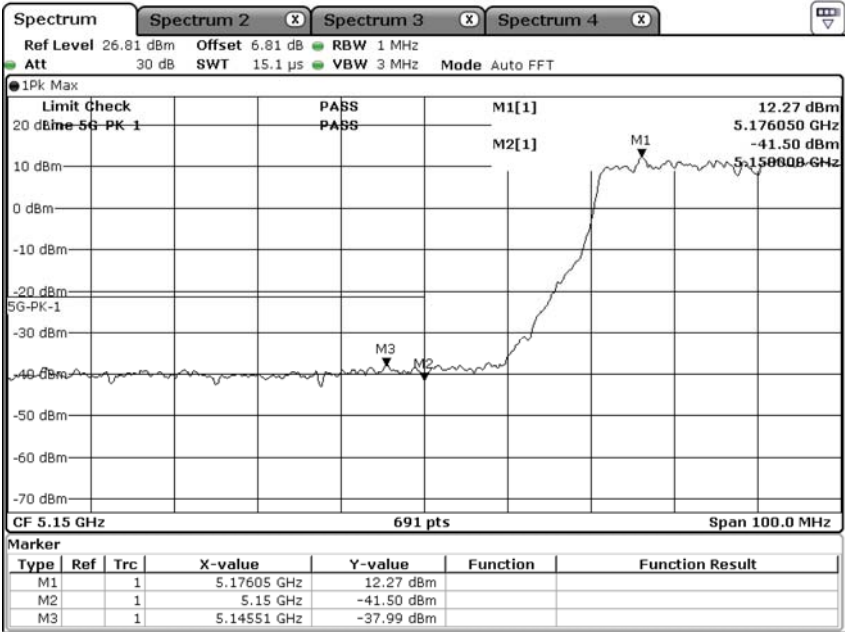
Average:



Date: 21.NOV.2020 04:11:26

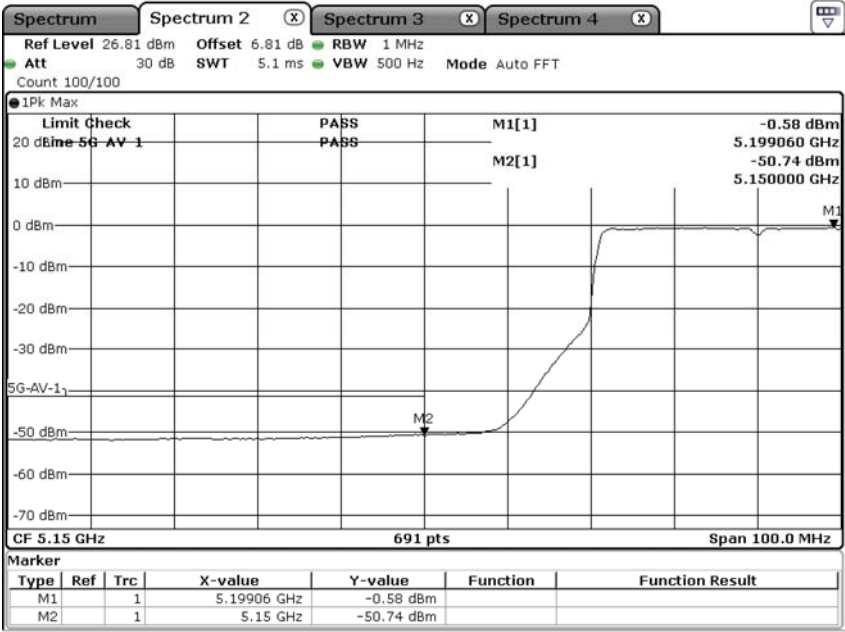
Chain B

Peak:



Date: 21.NOV.2020 04:07:50

Average:

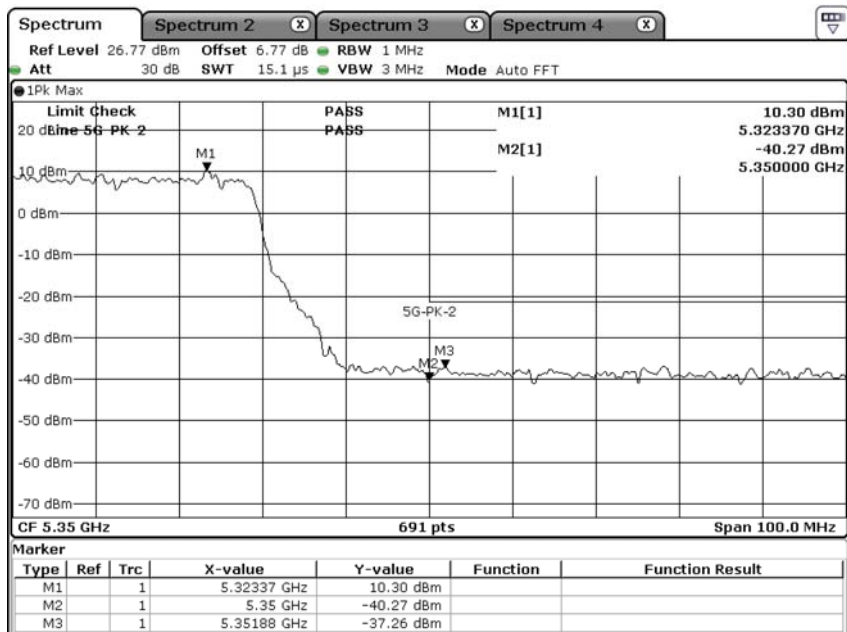


Date: 21.NOV.2020 04:08:10

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps) -Channel 62

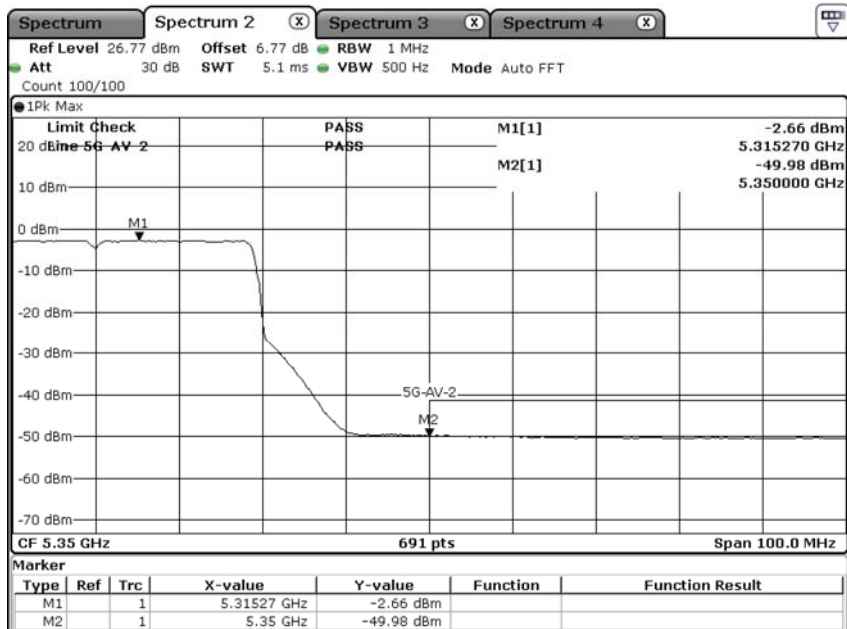
Chain A

Peak:



Date: 21.NOV.2020 04:12:58

Average:

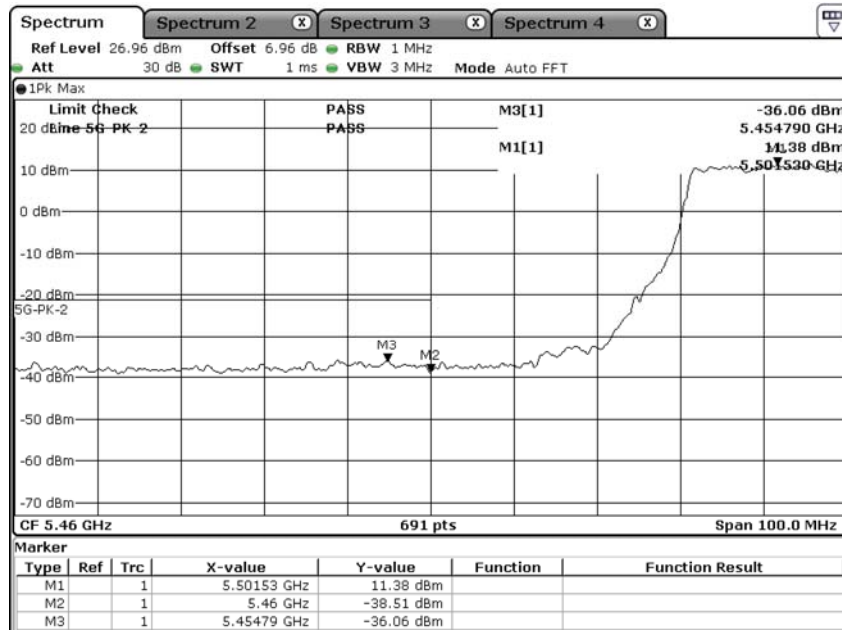


Date: 21.NOV.2020 04:13:32

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps) -Channel 102

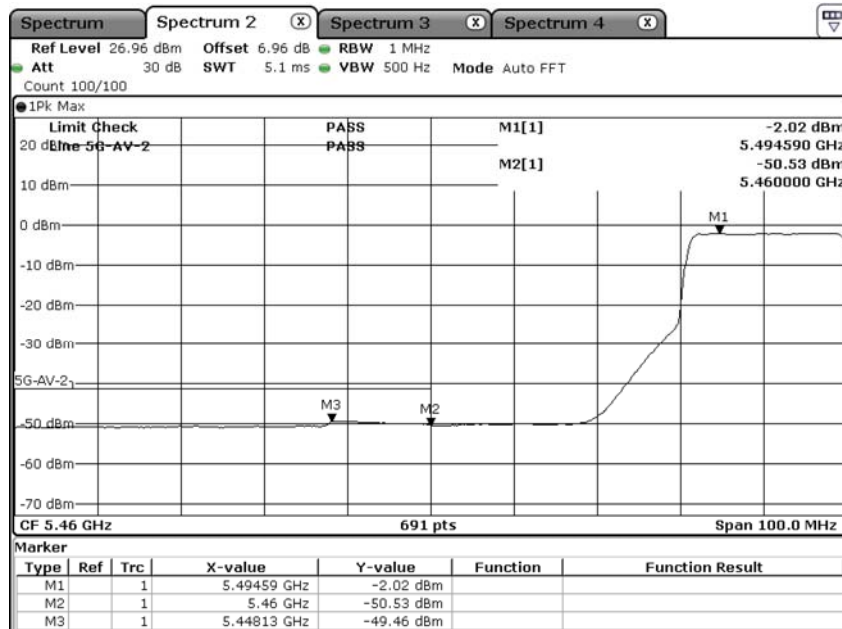
Chain A

Peak:



Date: 21.NOV.2020 04:27:37

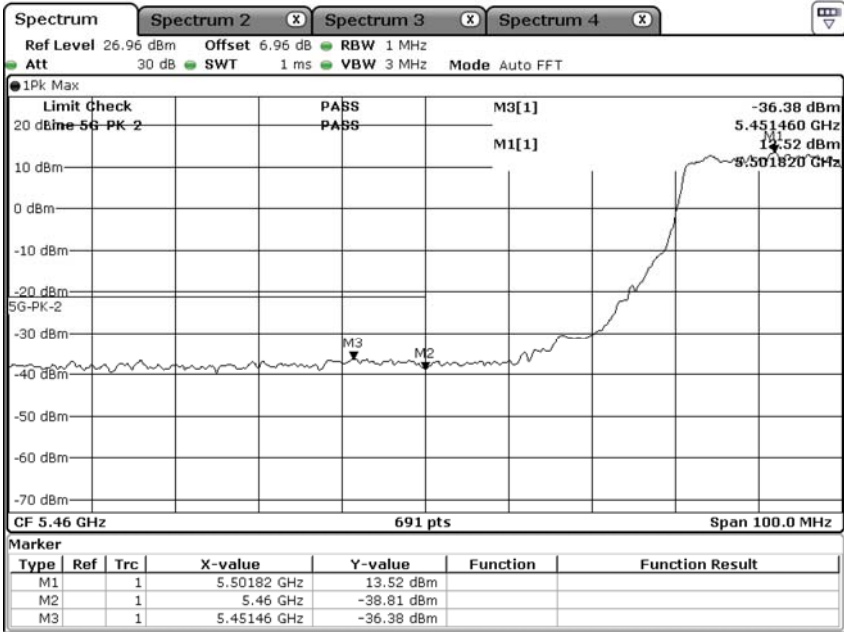
Average:



Date: 21.NOV.2020 04:49:33

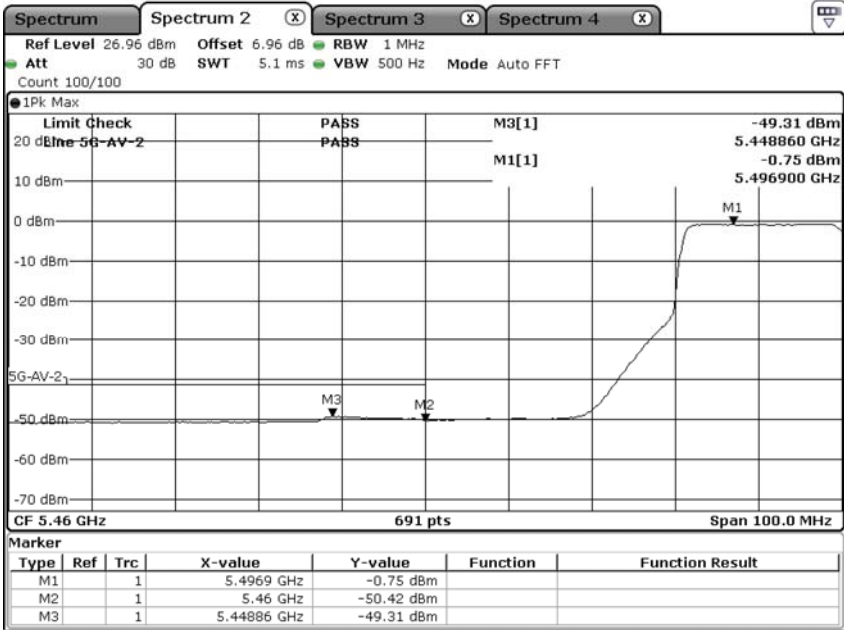
Chain B

Peak:



Date: 21.NOV.2020 04:26:27

Average:

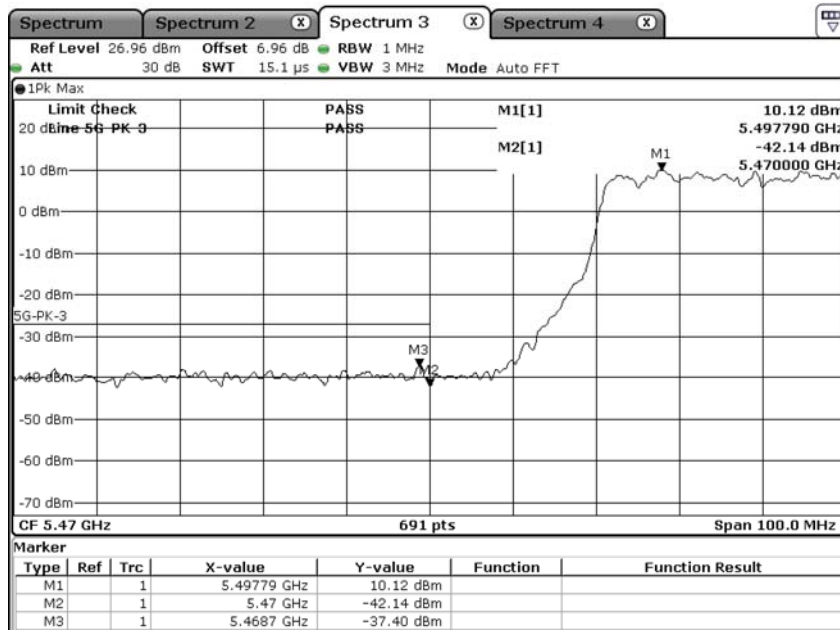


Date: 21.NOV.2020 04:24:44

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps) -Channel 102

Chain A

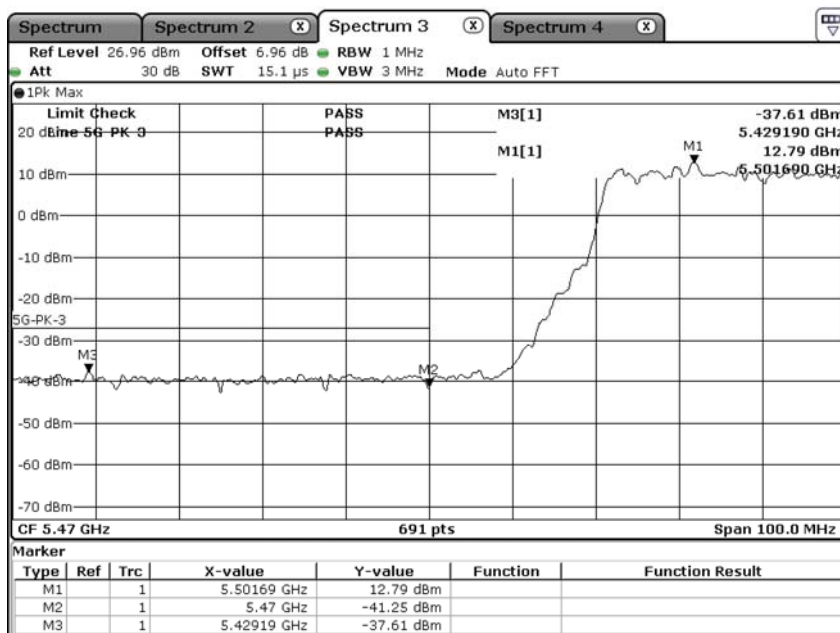
Peak:



Date: 21.NOV.2020 04:50:18

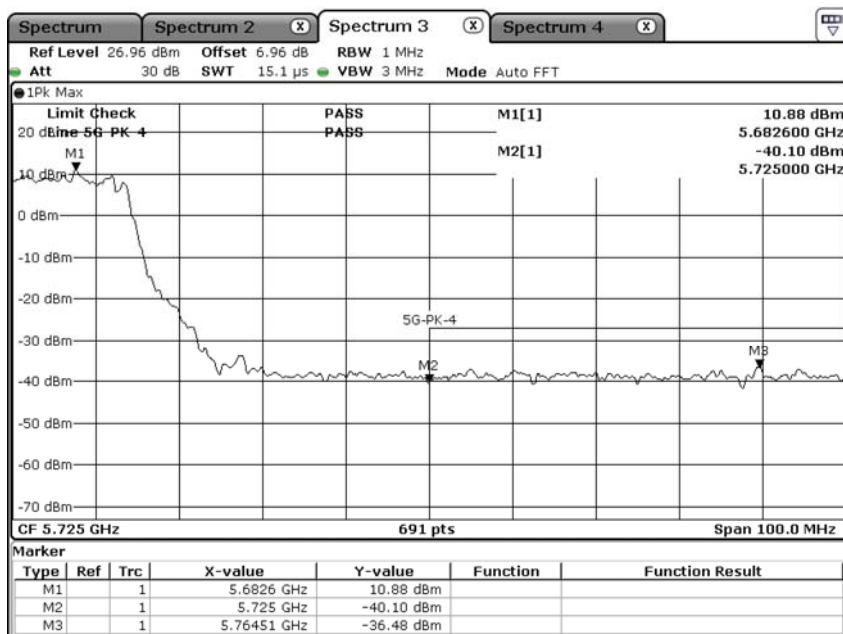
Chain B

Peak:

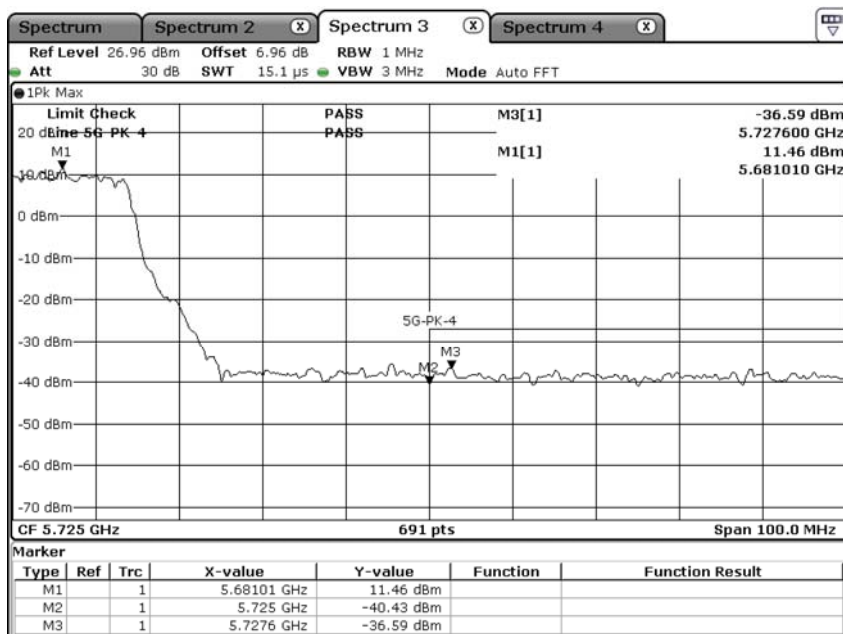


Date: 21.NOV.2020 04:25:52

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps) -Channel 134

Chain A**Peak:**

Date: 25.NOV.2020 14:18:03

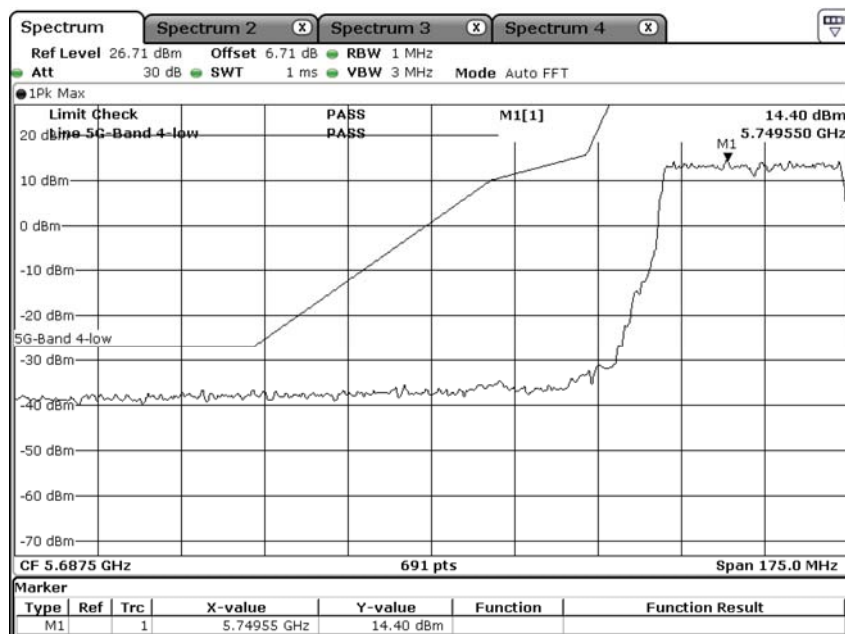
Chain B**Peak:**

Date: 25.NOV.2020 14:21:21

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps) -Channel 151

Chain A

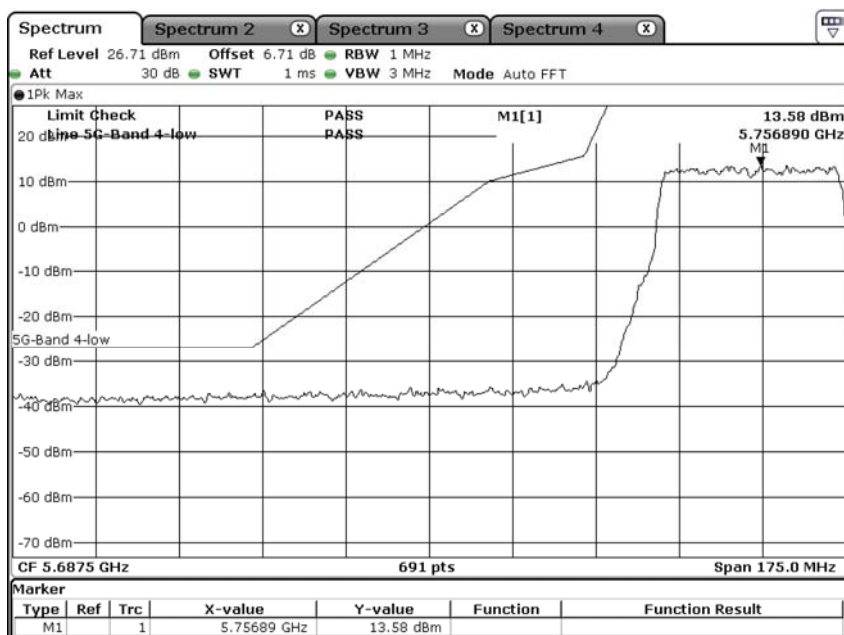
Peak:



Date: 21.NOV.2020 04:56:27

Chain B

Peak:

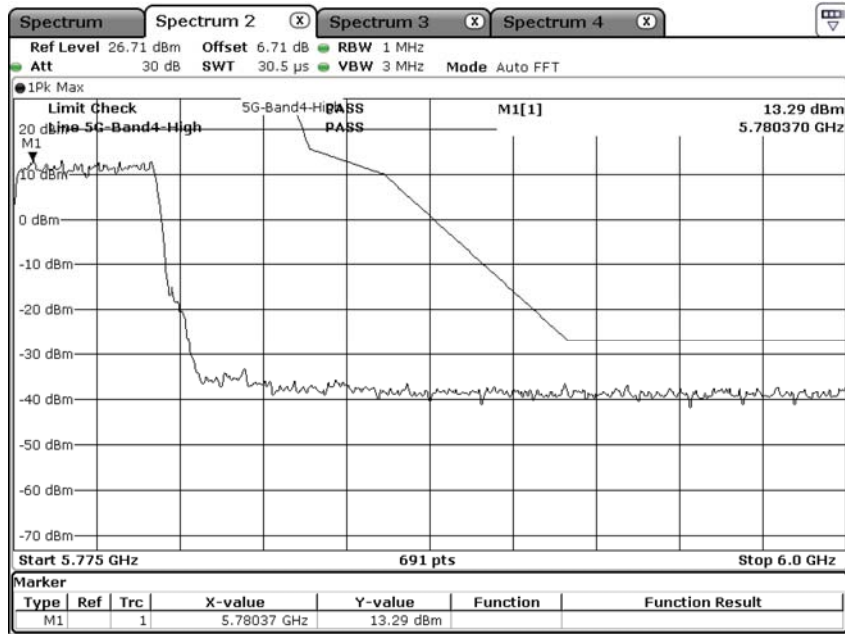


Date: 21.NOV.2020 04:54:55

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps) -Channel 159

Chain A

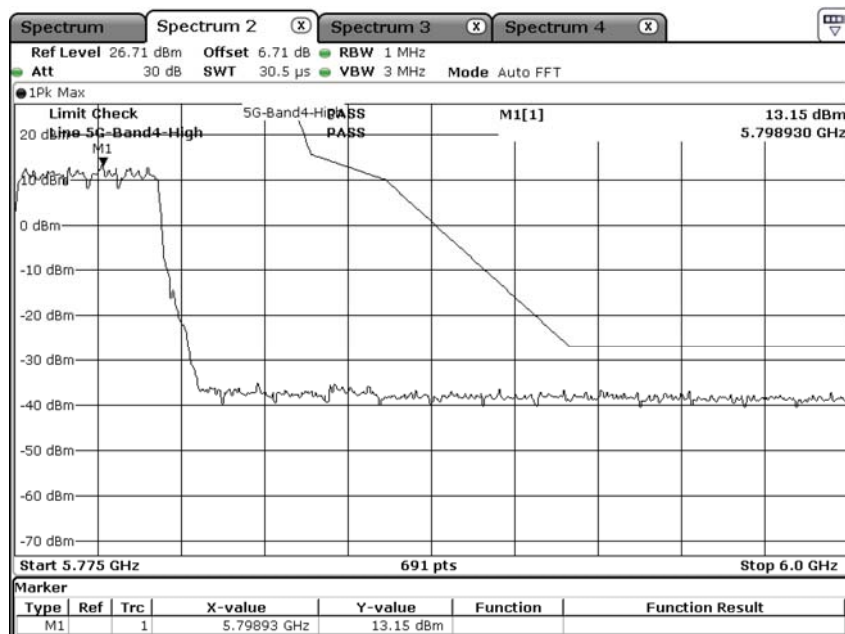
Peak:



Date: 21.NOV.2020 04:59:15

Chain B

Peak:

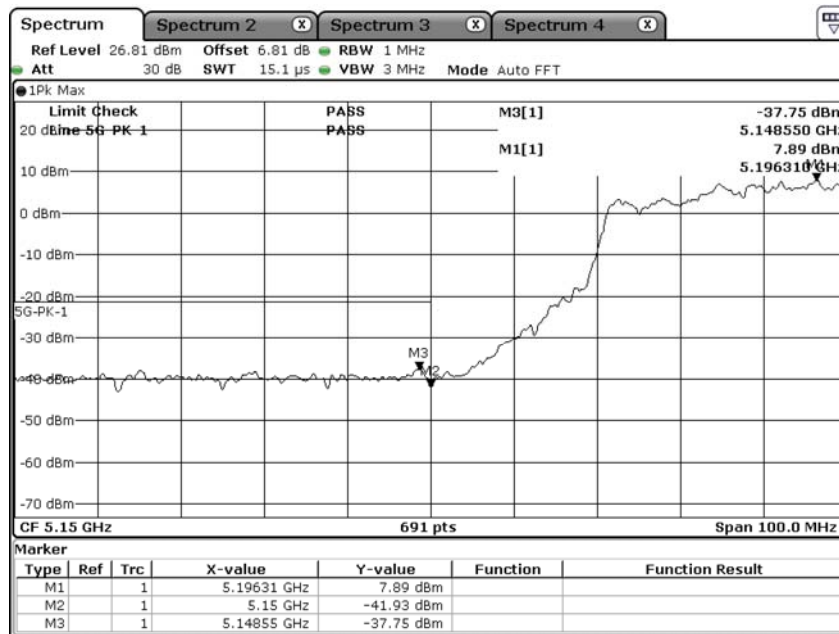


Date: 21.NOV.2020 05:03:48

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps) -Channel 42

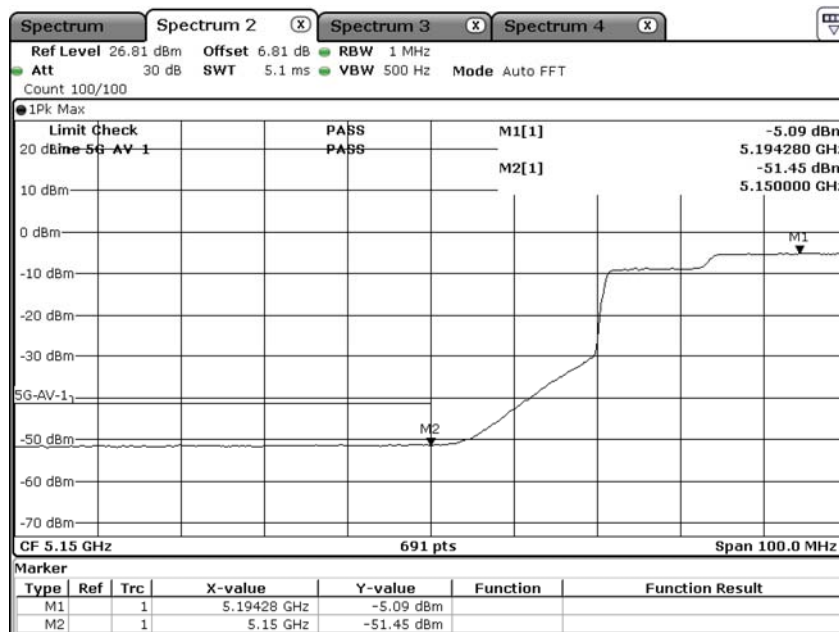
Chain A

Peak:



Date: 21.NOV.2020 05:07:55

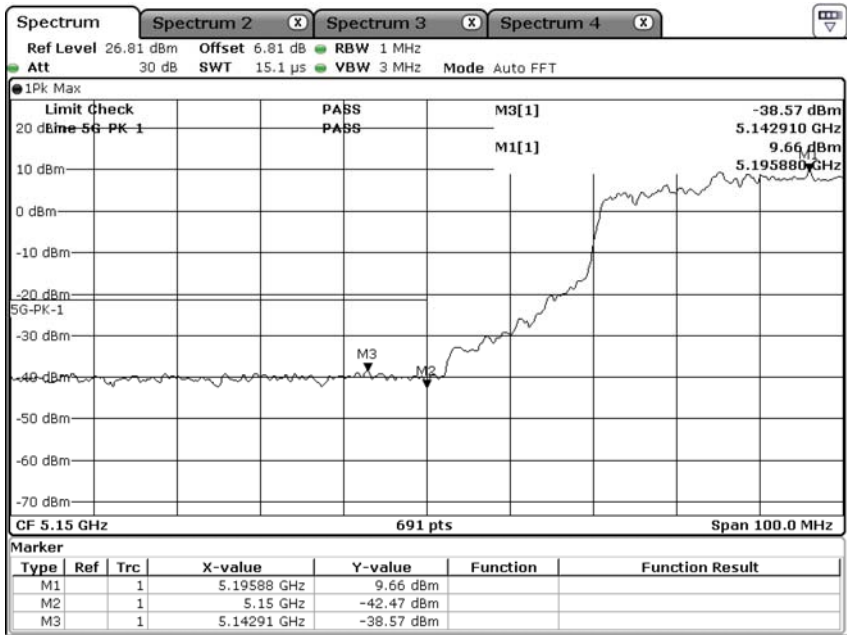
Average:



Date: 21.NOV.2020 05:06:19

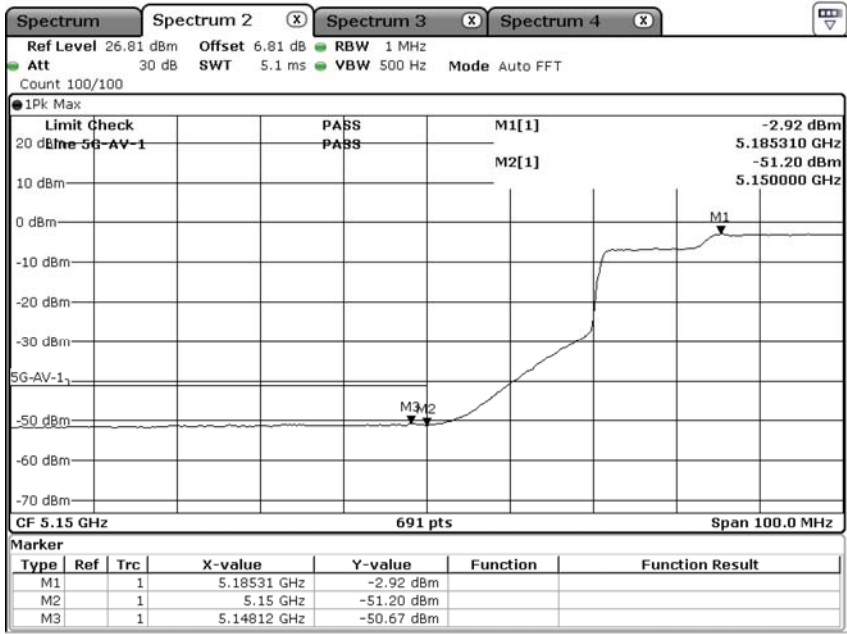
Chain B

Peak:



Date: 21.NOV.2020 05:05:12

Average:

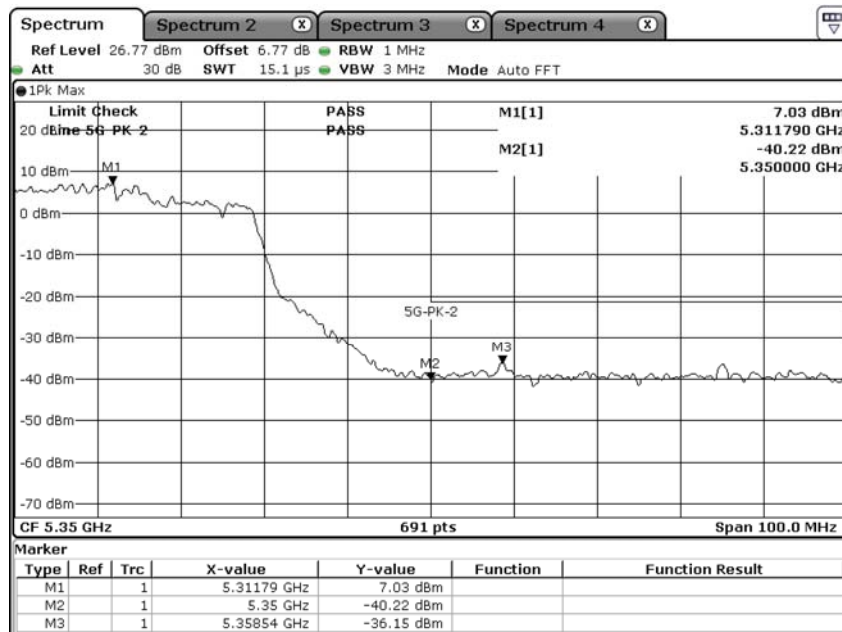


Date: 21.NOV.2020 05:05:42

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps) -Channel 58

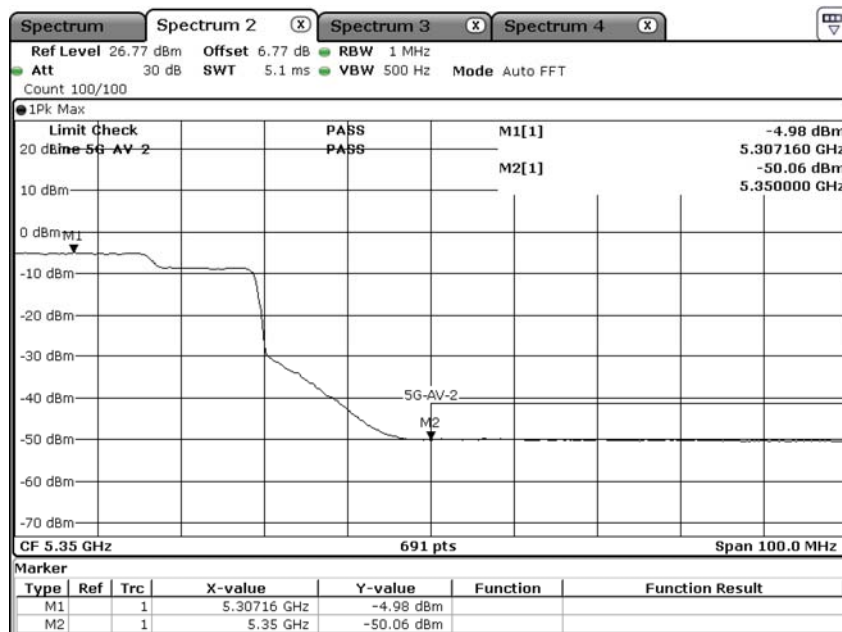
Chain A

Peak:



Date: 21.NOV.2020 05:10:05

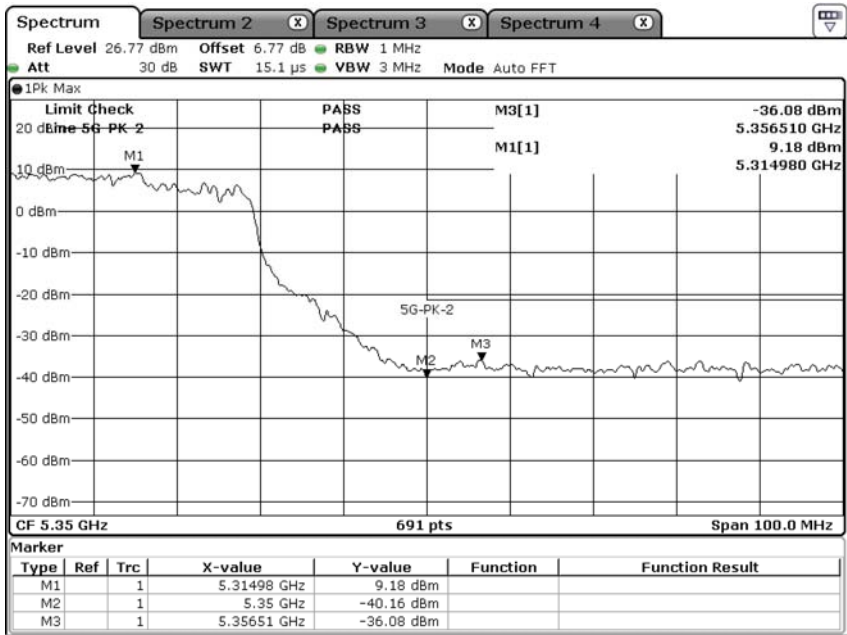
Average:



Date: 21.NOV.2020 05:09:24

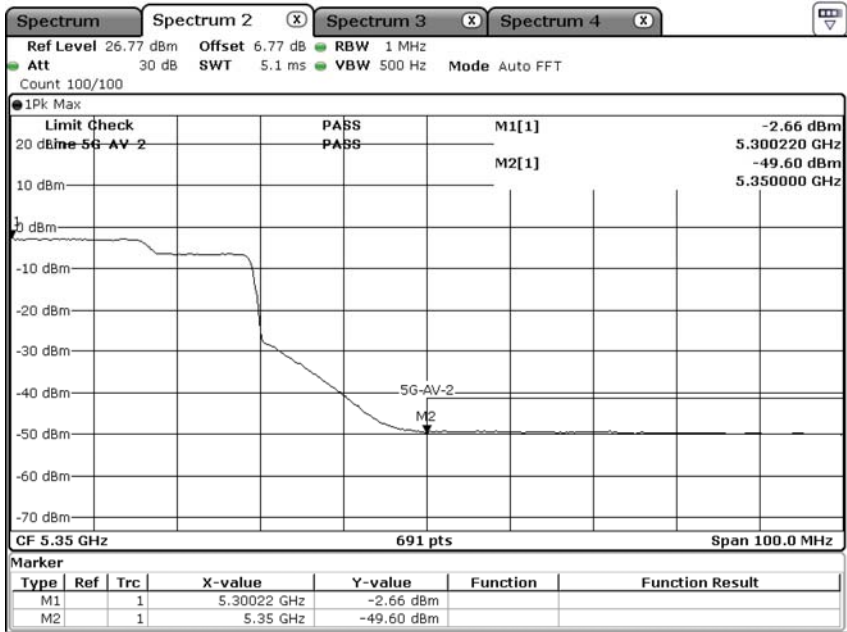
Chain B

Peak:



Date: 21.NOV.2020 05:12:34

Average:

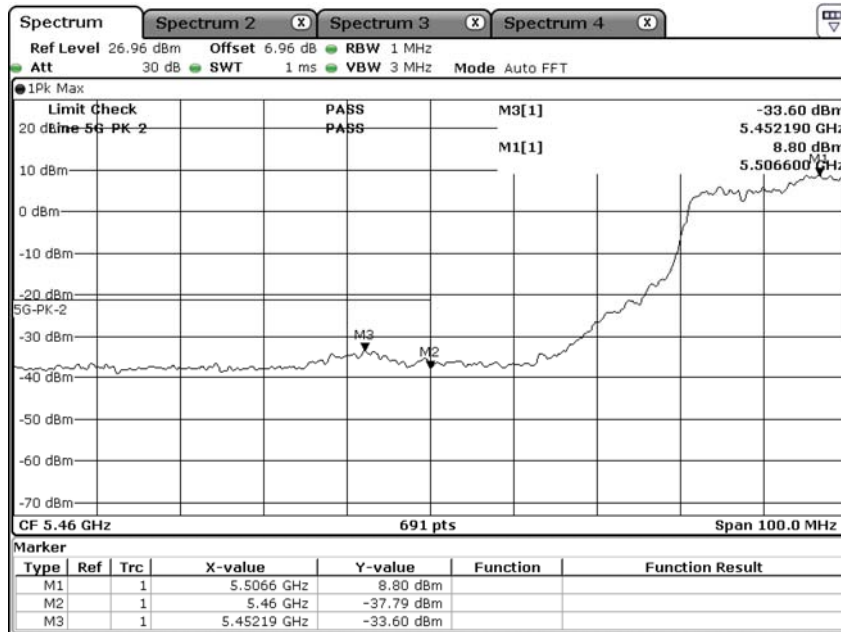


Date: 21.NOV.2020 05:12:51

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps) -Channel 106

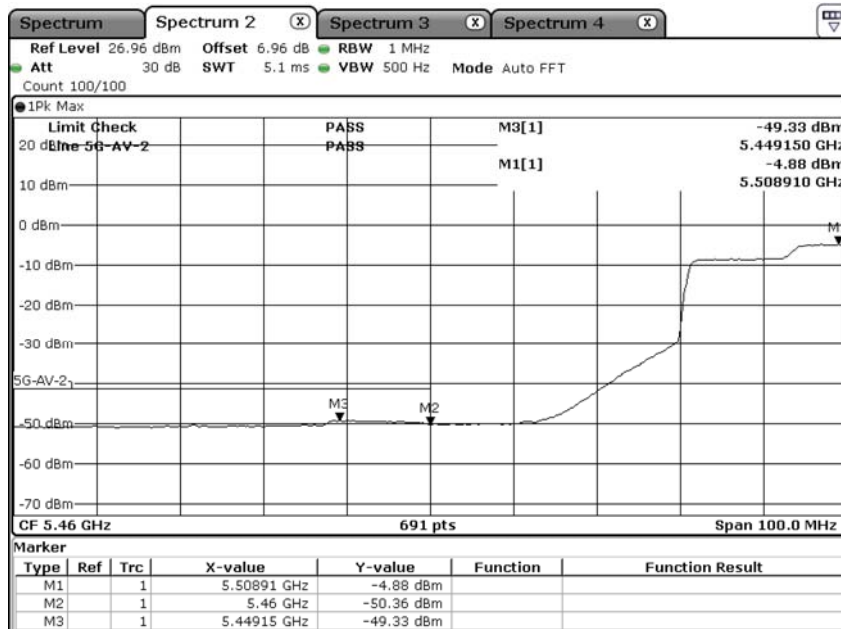
Chain A

Peak:



Date: 21.NOV.2020 05:17:33

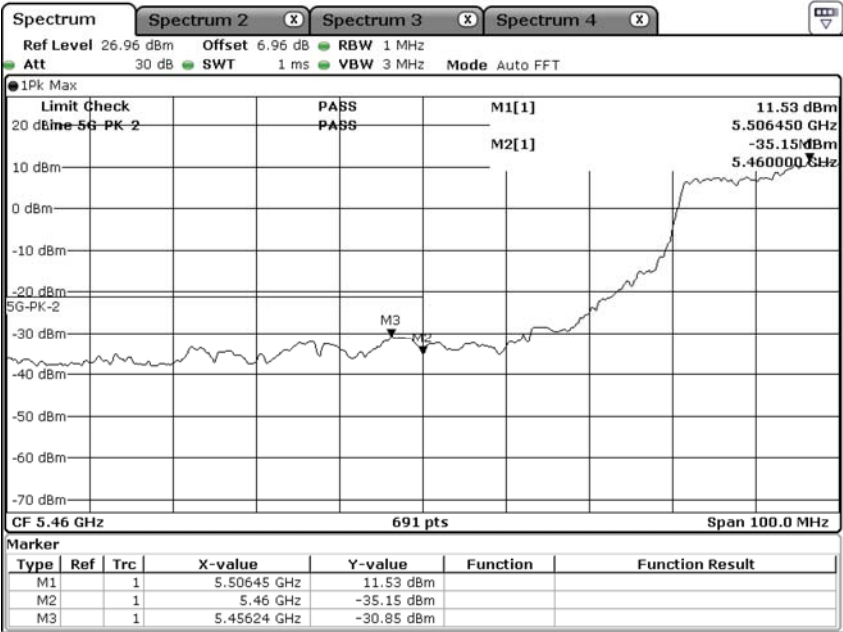
Average:



Date: 21.NOV.2020 05:21:16

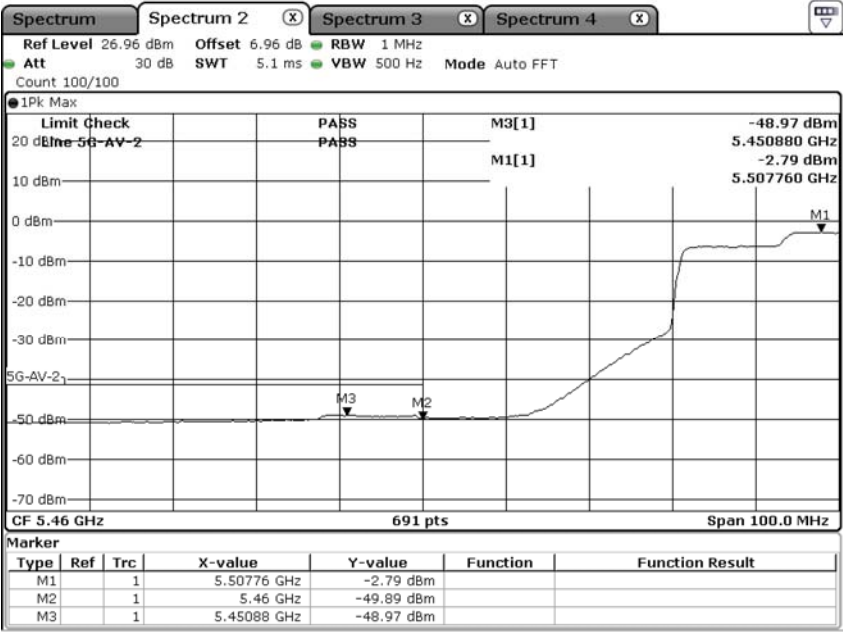
Chain B

Peak:



Date: 21.NOV.2020 05:15:00

Average:

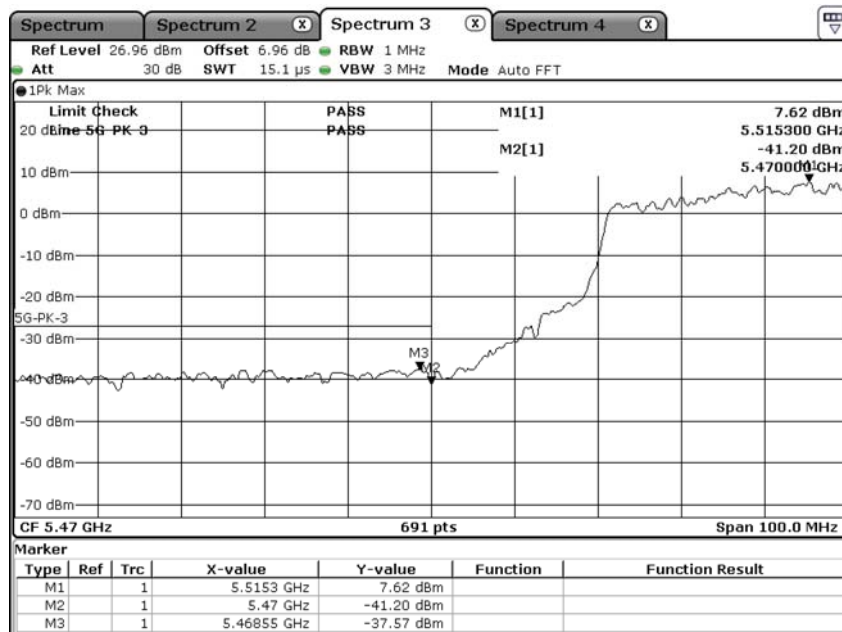


Date: 21.NOV.2020 05:15:31

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps) -Channel 106

Chain A

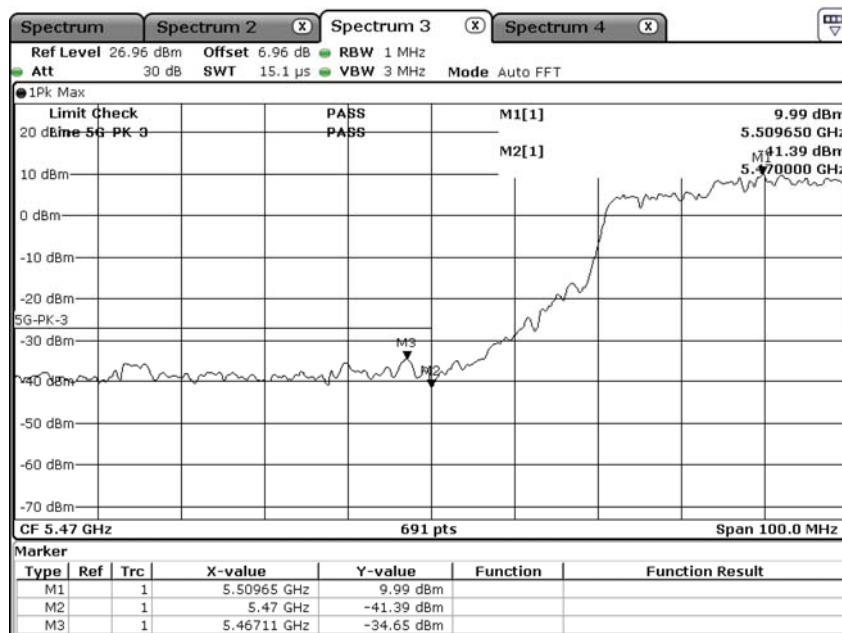
Peak:



Date: 21.NOV.2020 05:18:10

Chain B

Peak:

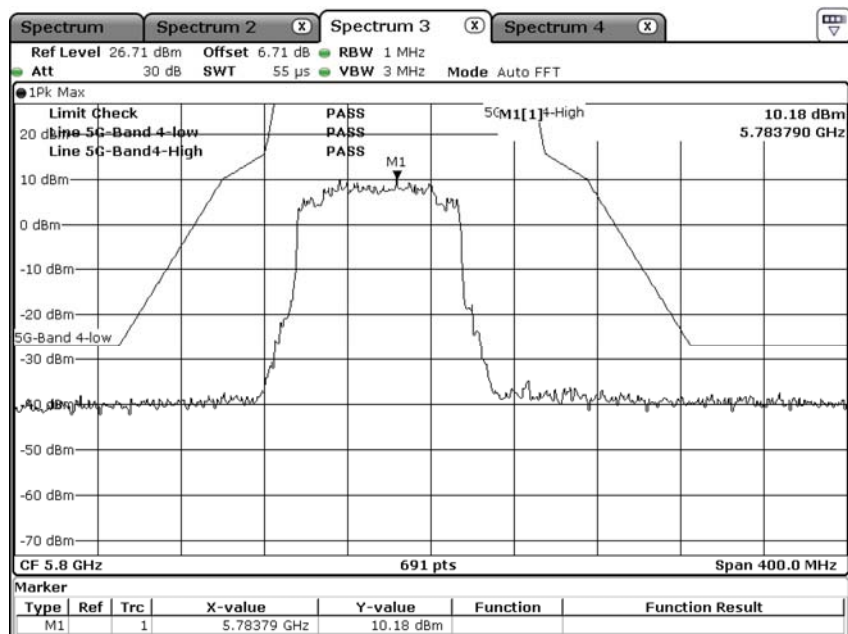


Date: 21.NOV.2020 05:16:15

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps)-Channel 155

Chain A

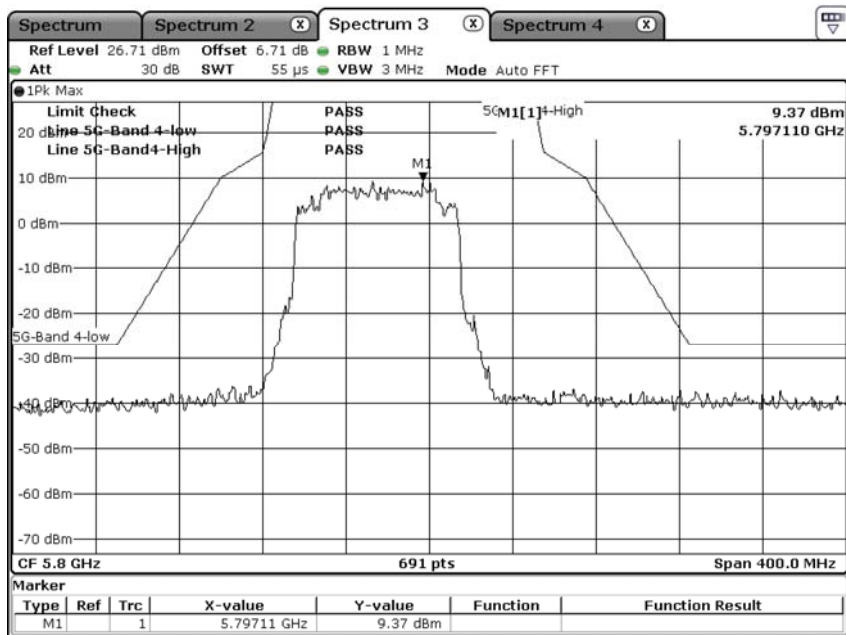
Peak:



Date: 21.NOV.2020 06:00:27

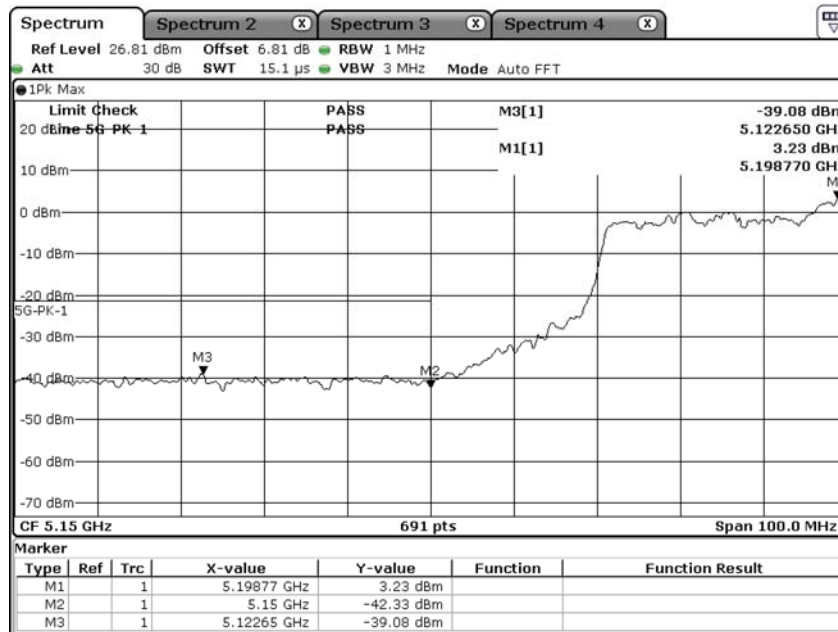
Chain B

Peak:

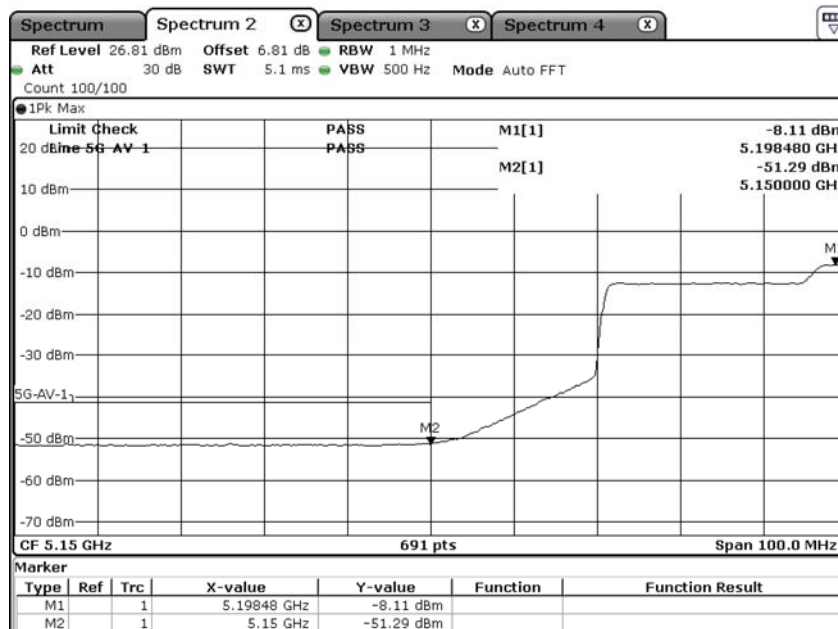


Date: 21.NOV.2020 06:01:11

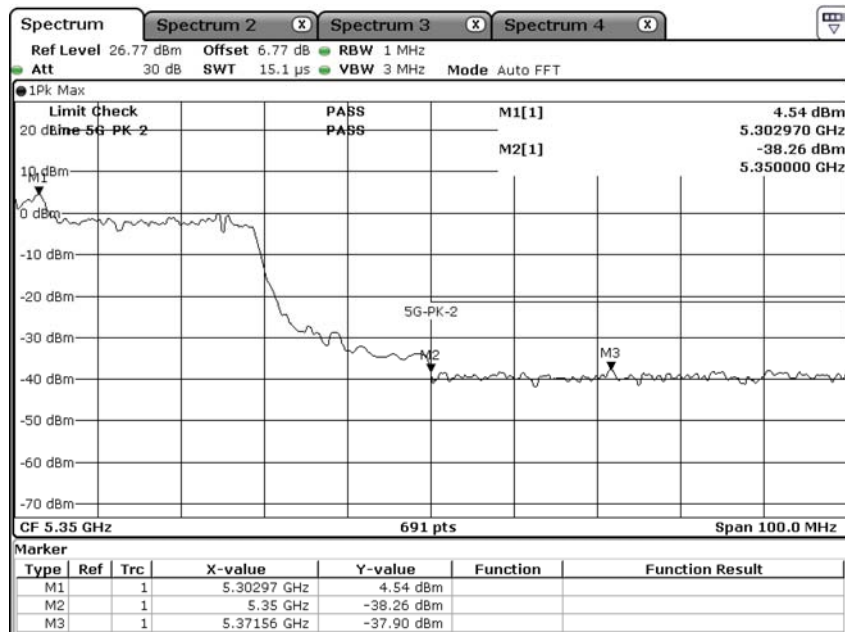
Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 26: MIMO: Transmit (802.11ax-160BW_144.1Mbps) -Channel 50

(Band 1) Chain A**Peak:**

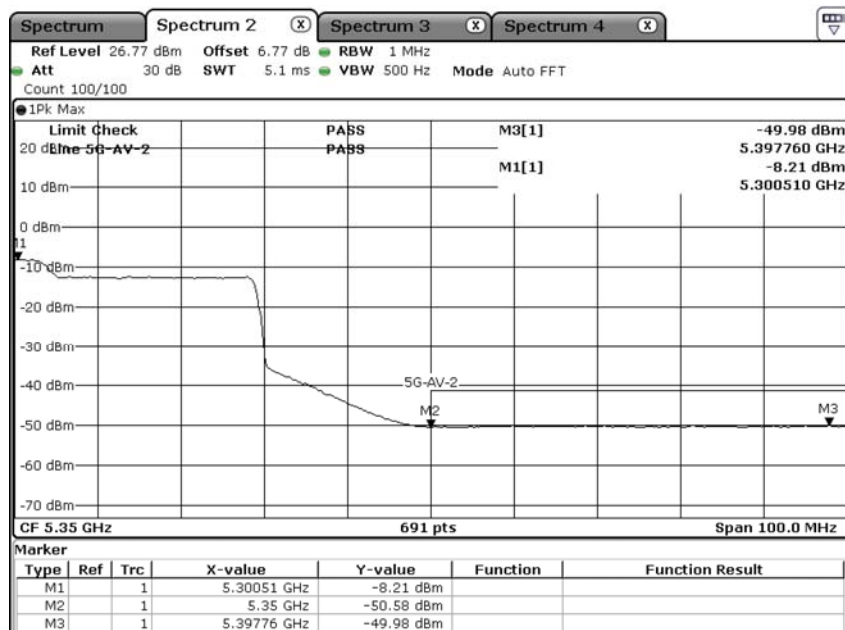
Date: 21.NOV.2020 06:09:27

Average:

Date: 21.NOV.2020 06:08:51

(Band 2) Chain A**Peak:**

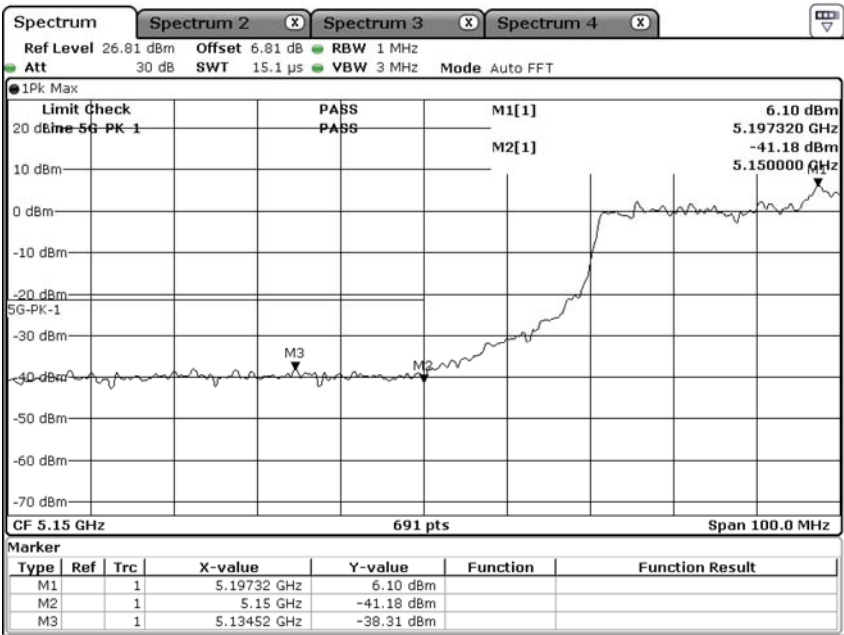
Date: 21.NOV.2020 06:07:53

Average:

Date: 21.NOV.2020 06:07:09

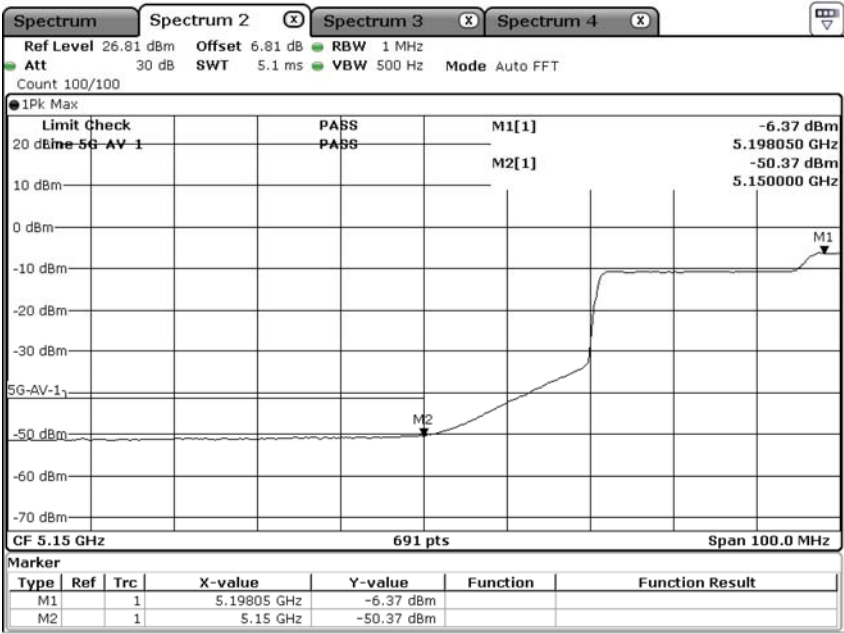
(Band 1) Chain B

Peak:



Date: 21.NOV.2020 06:04:24

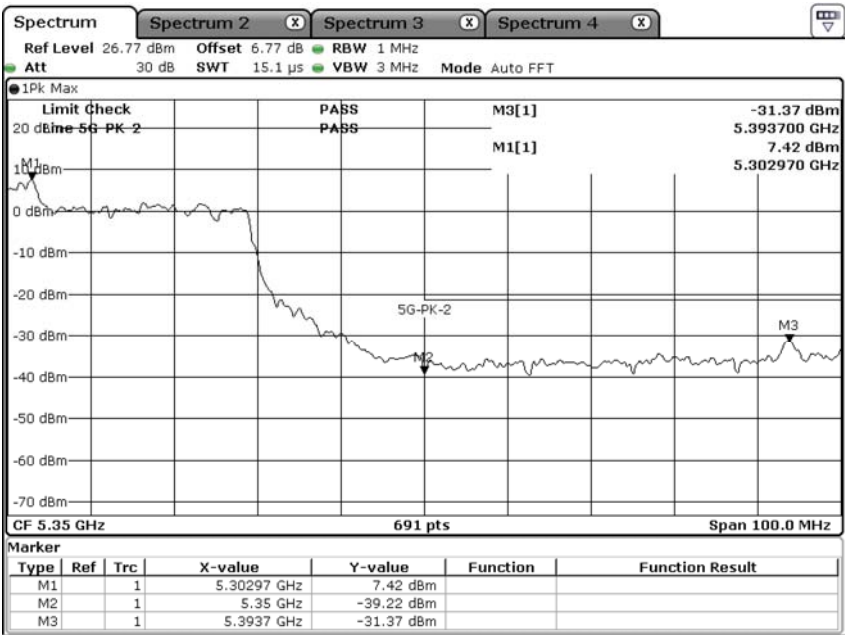
Average:



Date: 21.NOV.2020 06:03:42

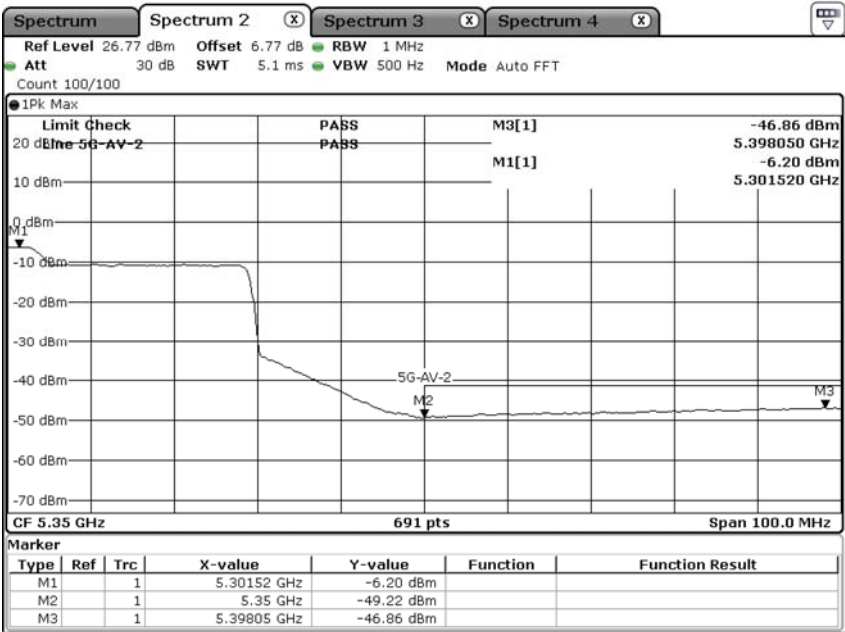
(Band 2) Chain B

Peak:



Date: 21.NOV.2020 06:05:50

Average:

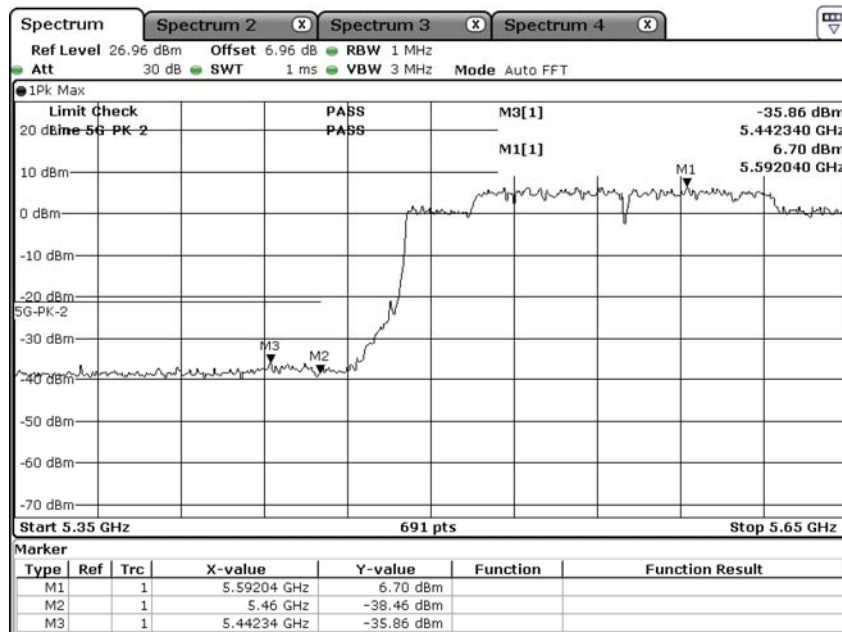


Date: 21.NOV.2020 06:04:55

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 26: MIMO: Transmit (802.11ax-160BW_144.1Mbps) -Channel 114

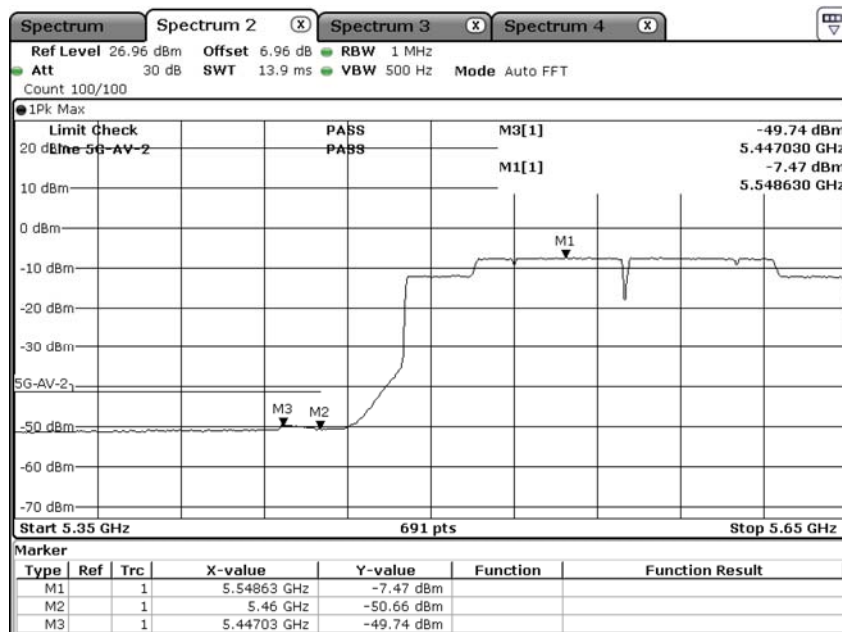
Chain A

Peak:



Date: 21.NOV.2020 06:11:52

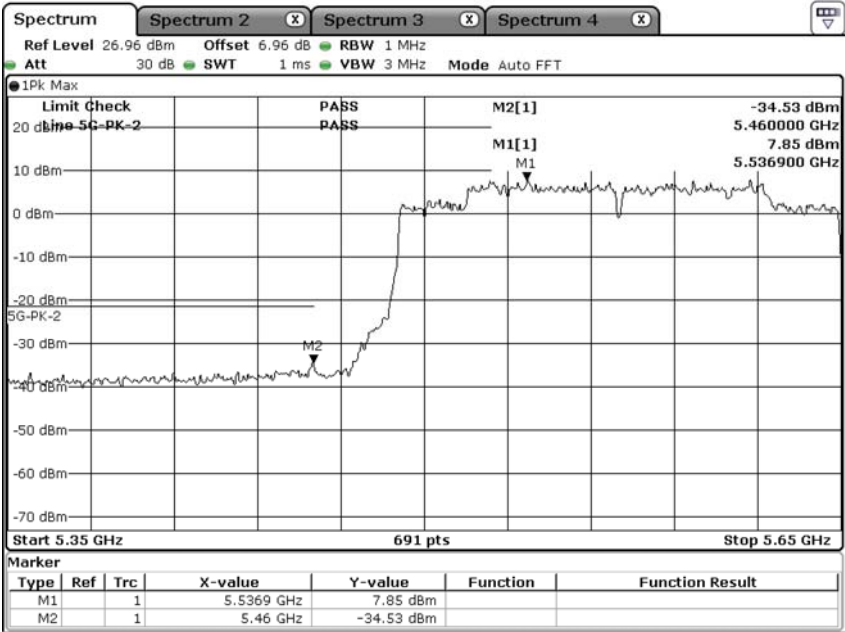
Average:



Date: 21.NOV.2020 06:12:24

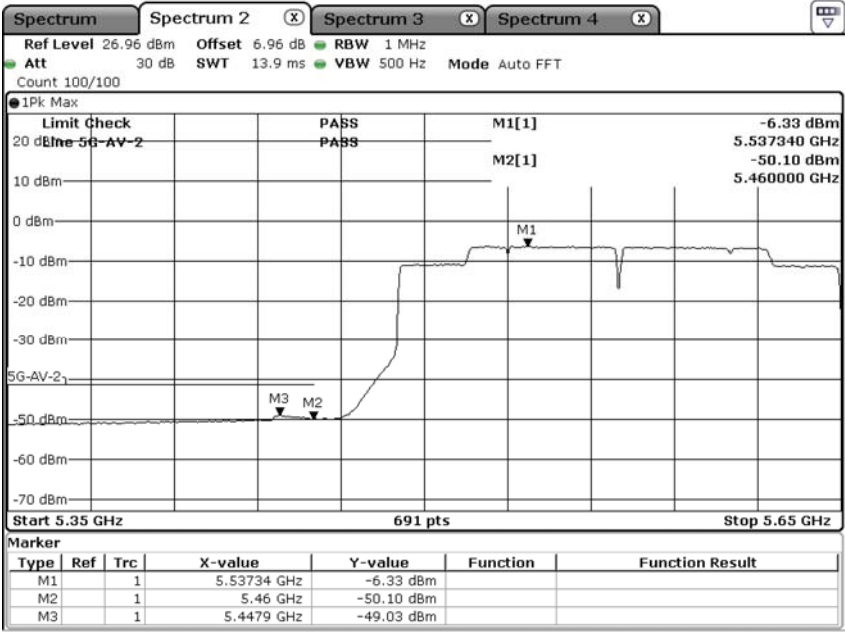
Chain B

Peak:



Date: 21.NOV.2020 06:14:10

Average:

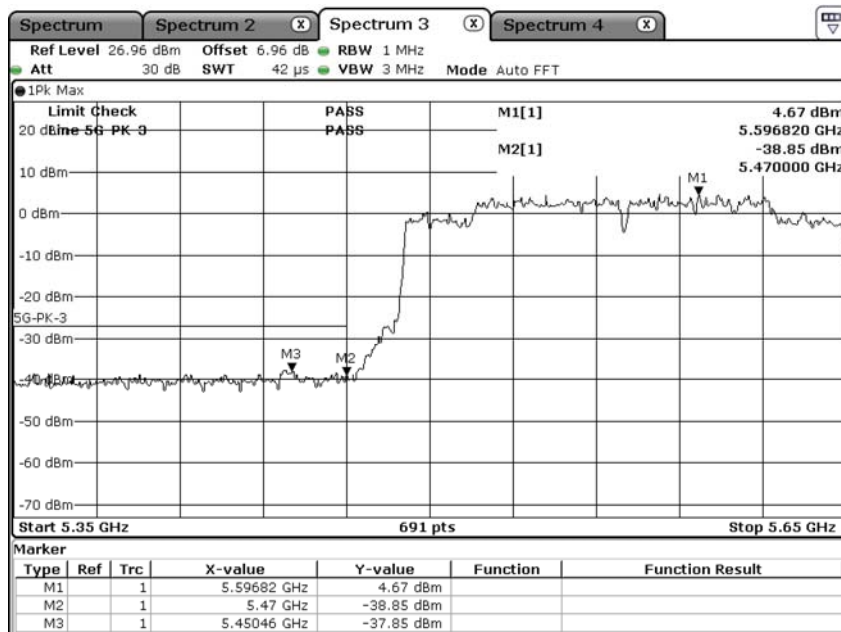


Date: 21.NOV.2020 06:14:41

Product : Notebook Computers
Test Item : Band Edge Data
Test Date : 2020/11/21
Test Mode : Mode 22 MIMO: Transmit (802.11ax-160BW_144.1Mbps) -Channel 114

Chain A

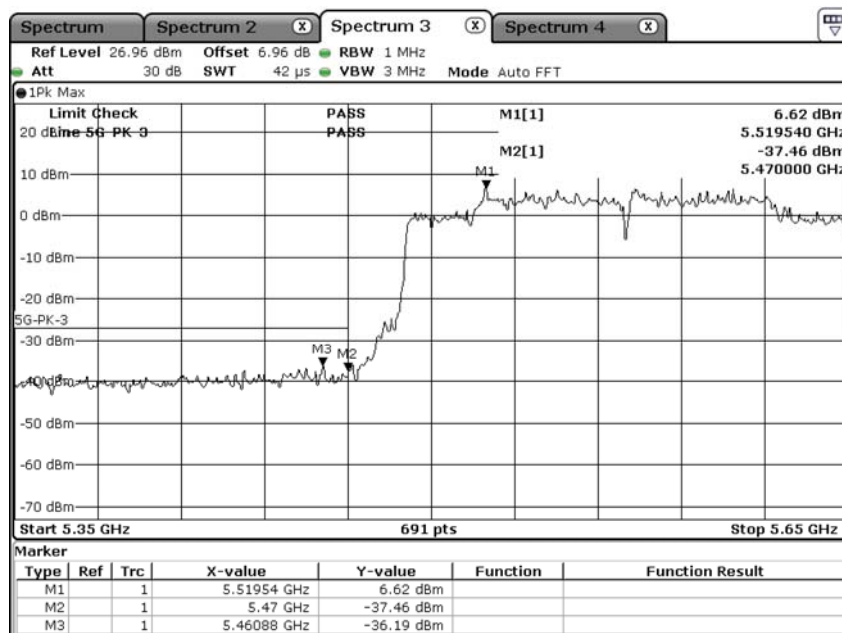
Peak:



Date: 21.NOV.2020 06:13:03

Chain B

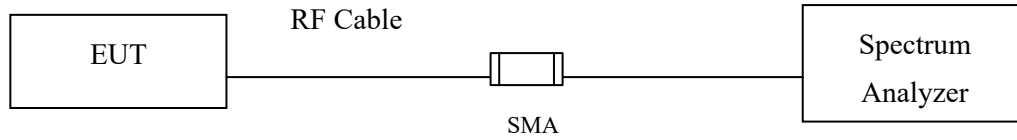
Peak:



Date: 21.NOV.2020 06:15:18

7. Occupied Bandwidth

7.1. Test Setup



7.2. Limits

For the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz

7.3. Test Procedure

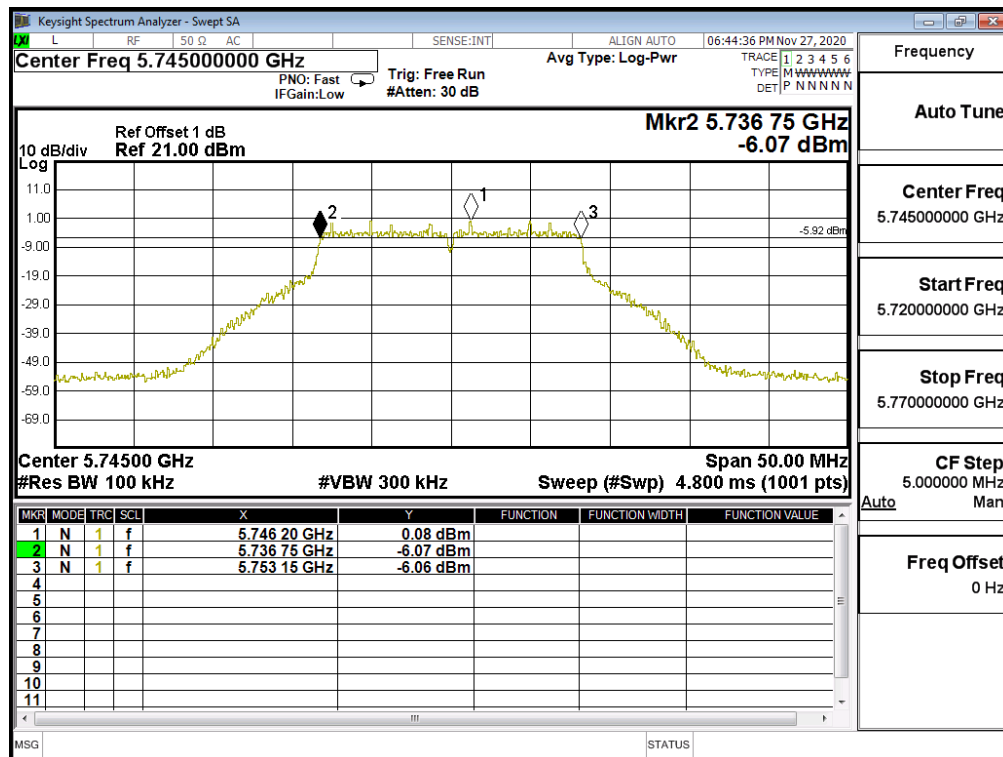
The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

7.4. Test Result of Occupied Bandwidth

Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps) (5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745.00	16400	>500	Pass

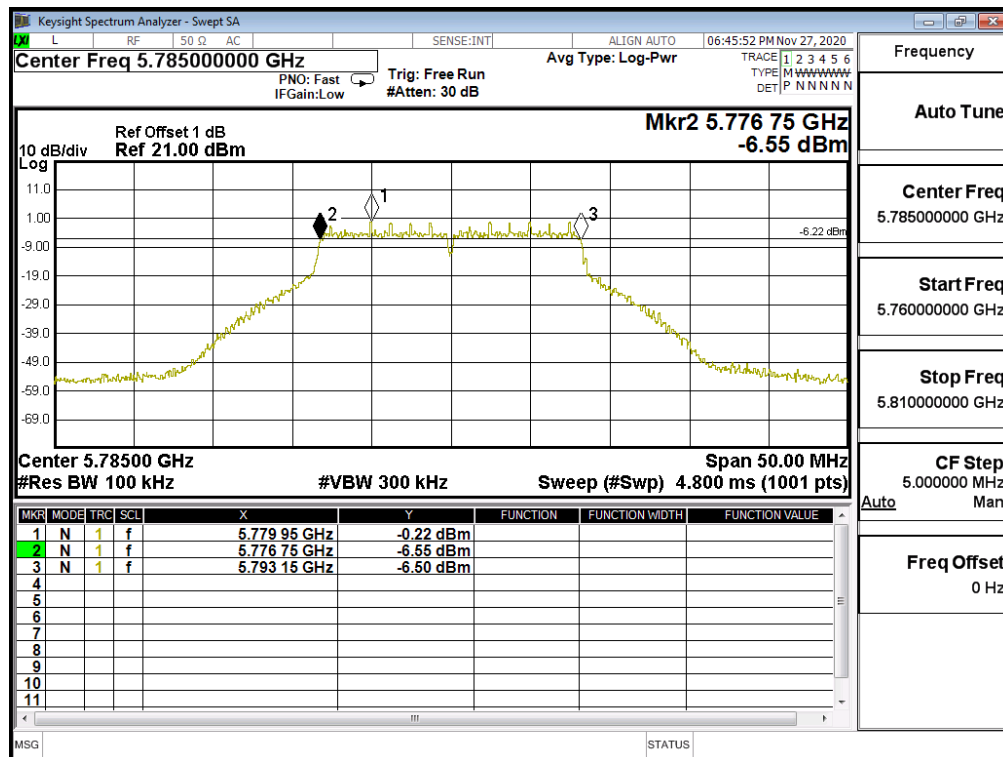
Figure Channel 149:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps) (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785.00	16400	>500	Pass

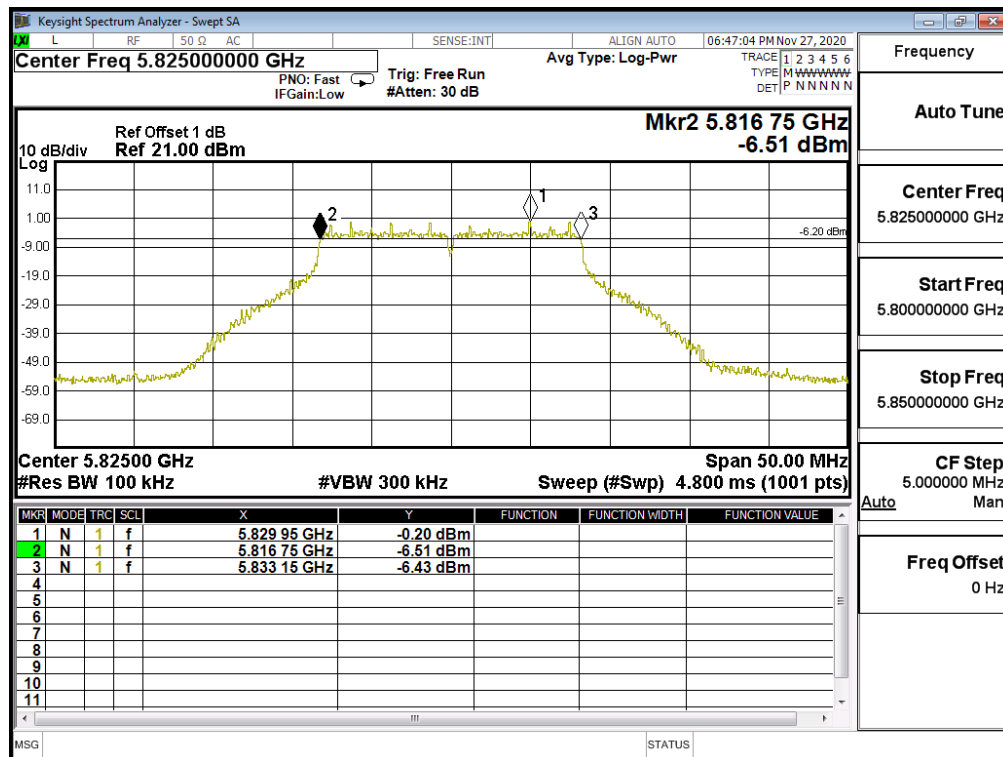
Figure Channel 157:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 1 SISO A: Transmit (802.11a_6Mbps) (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825.00	16400	>500	Pass

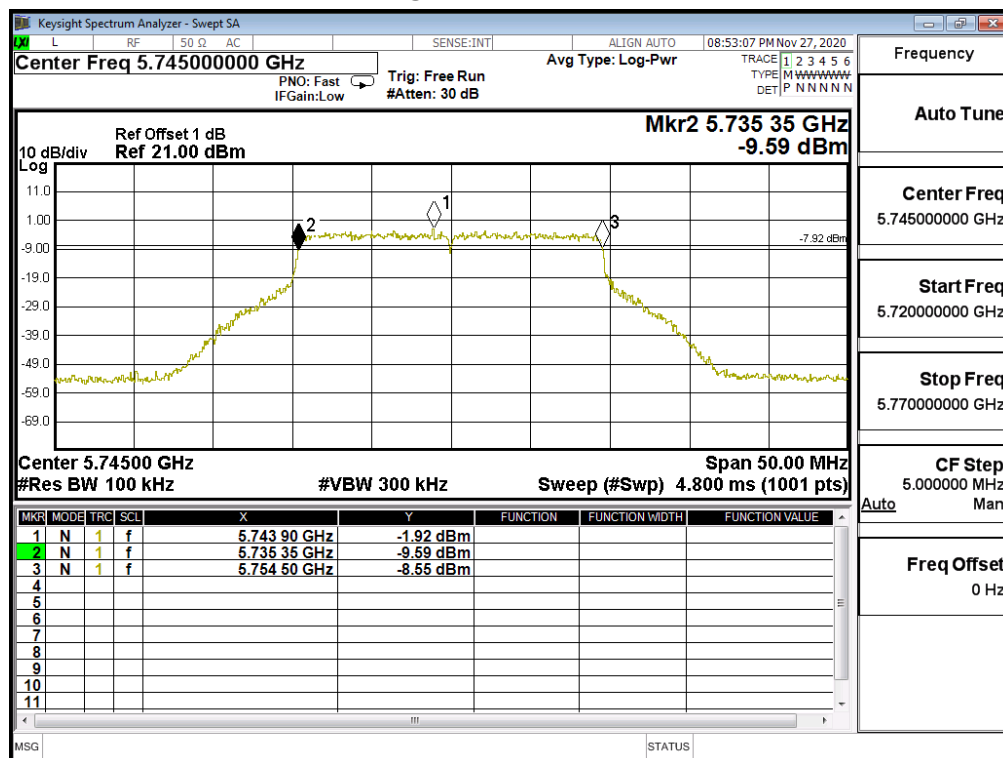
Figure Channel 165:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 6: SISO A: Transmit (802.11ax-20BW_8.6Mbps) (5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745.00	19150	>500	Pass

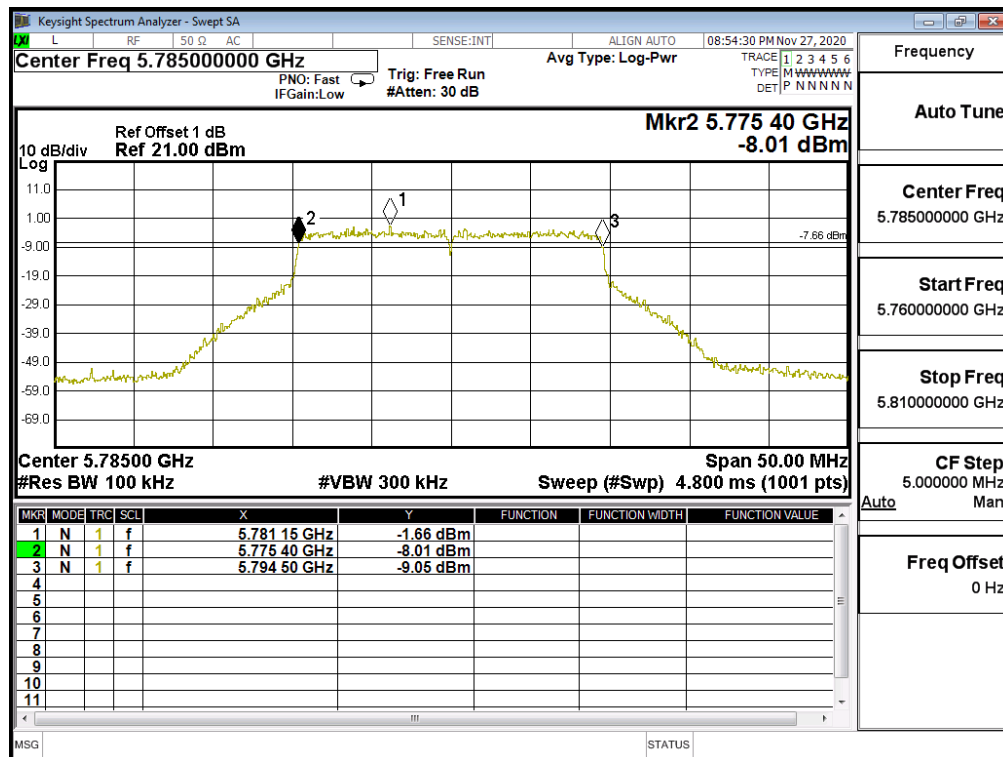
Figure Channel 149:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 6: SISO A: Transmit (802.11ax-20BW_8.6Mbps) (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
157	5785.00	19100	>500	Pass

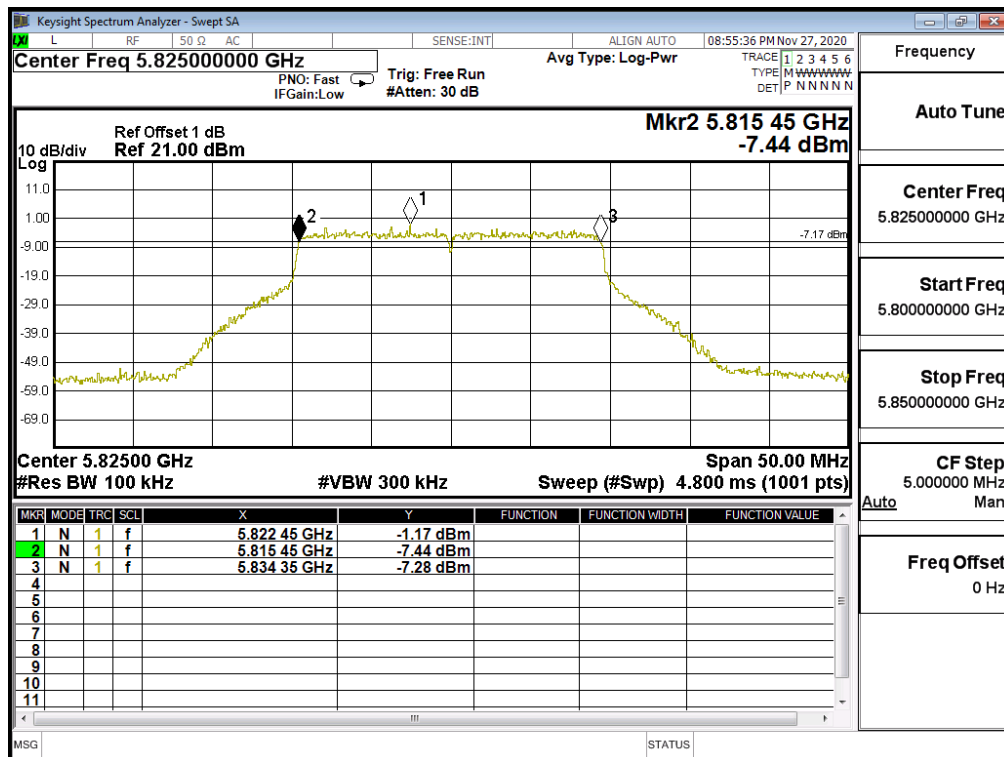
Figure Channel 157:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 6: SISO A: Transmit (802.11ax-20BW_8.6Mbps) (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825.00	18900	>500	Pass

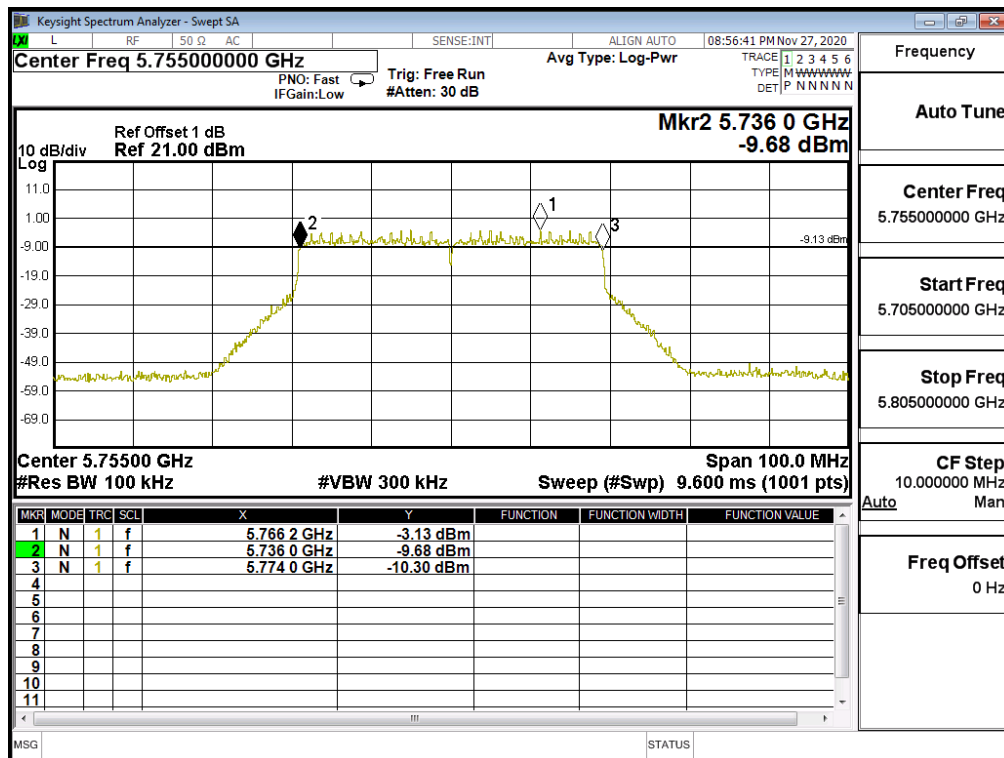
Figure Channel 165:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 7: SISO A: Transmit (802.11ax-40BW_17.2Mbps) (5755MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755.00	38334	>500	Pass

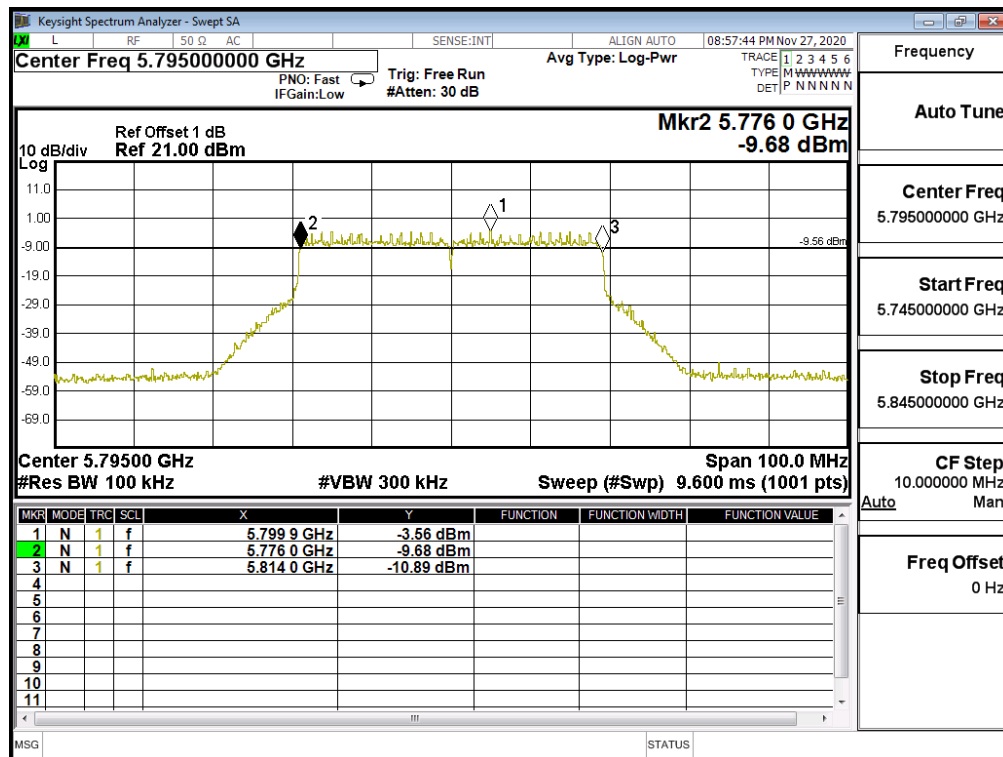
Figure Channel 151:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 7: SISO A: Transmit (802.11ax-40BW_17.2Mbps) (5795MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795.00	38000	>500	Pass

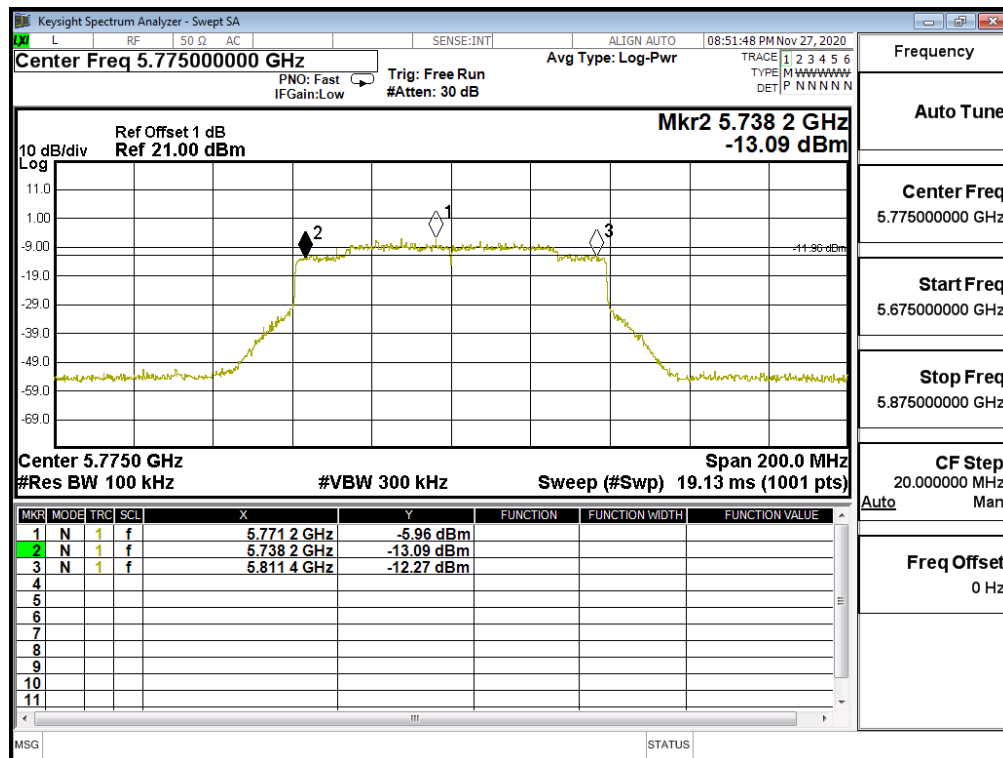
Figure Channel 159:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 8: SISO A: Transmit (802.11ax-80BW_36Mbps) (5775MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
155	5775.00	73200	>500	Pass

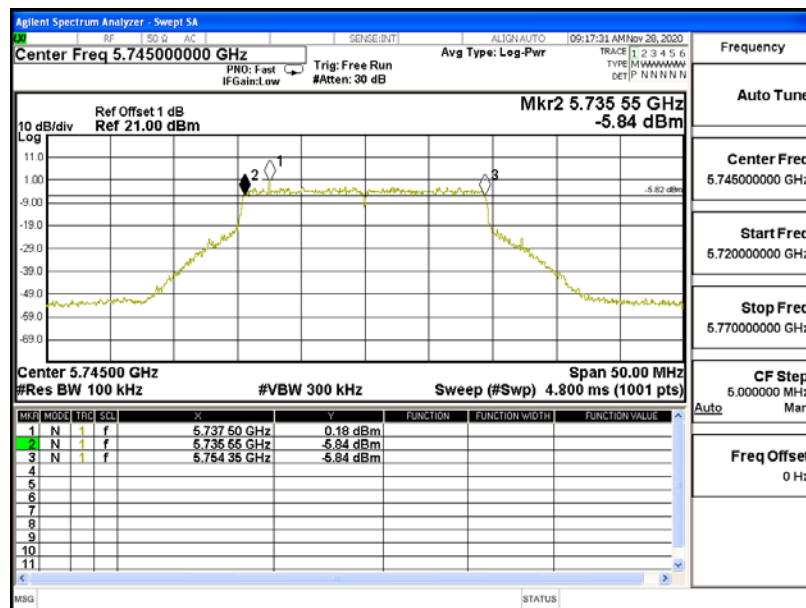
Figure Channel 155:



Product : Notebook Computers
 Test Item : Occupied Bandwidth Data
 Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	18800	>500	Pass

Figure Channel 149: (Chain A)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	19100	>500	Pass

Figure Channel 149: (Chain B)

