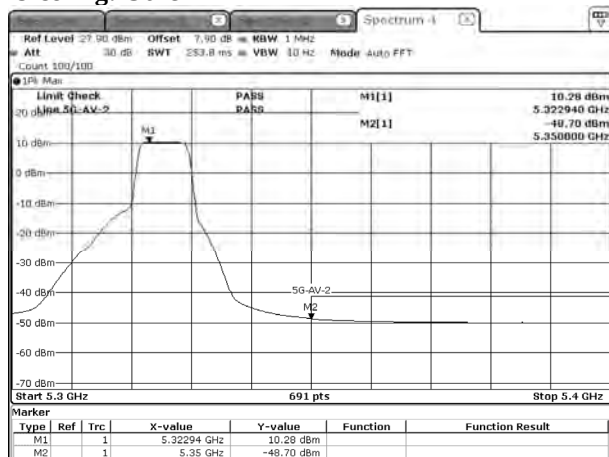


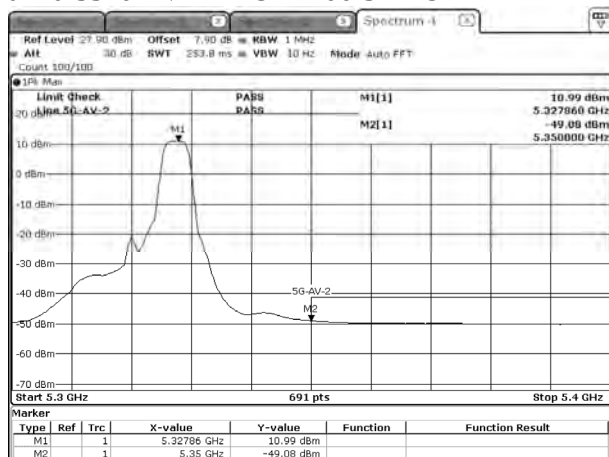
Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)-Channel 64

RU config: Other



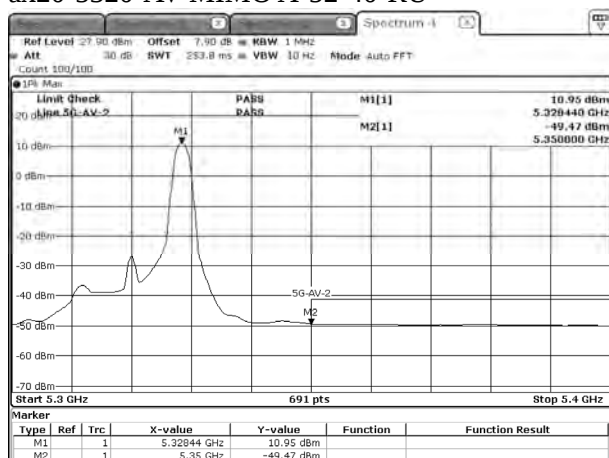
Date: 11 SEP 2021 14:10:26

ax20-5320-AV-MIMO A-106-54-RU



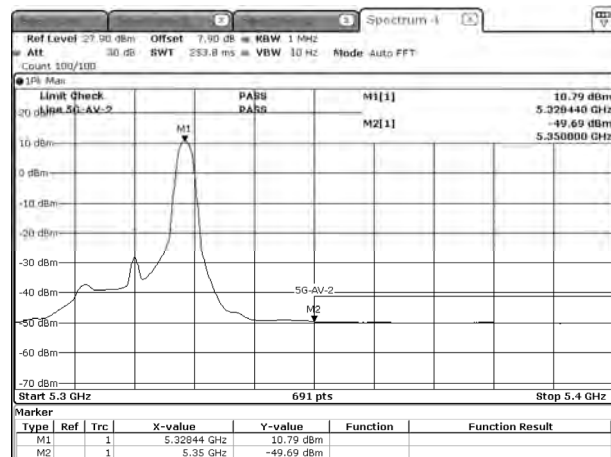
Date: 11 SEP 2021 14:00:30

ax20-5320-AV-MIMO A-52-40-RU



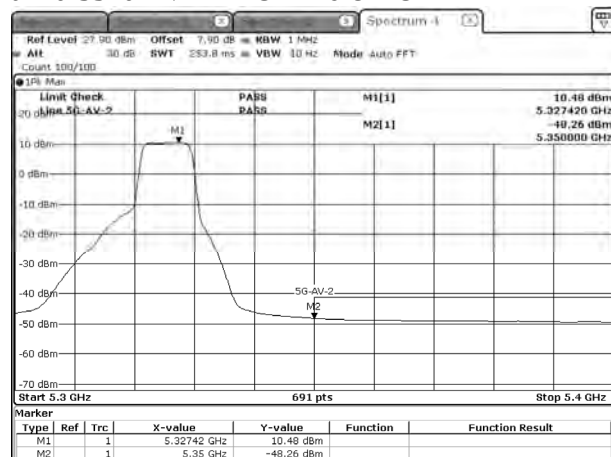
Date: 11 SEP 2021 06:55:05

ax20-5320-AV-MIMO B-26-8-RU



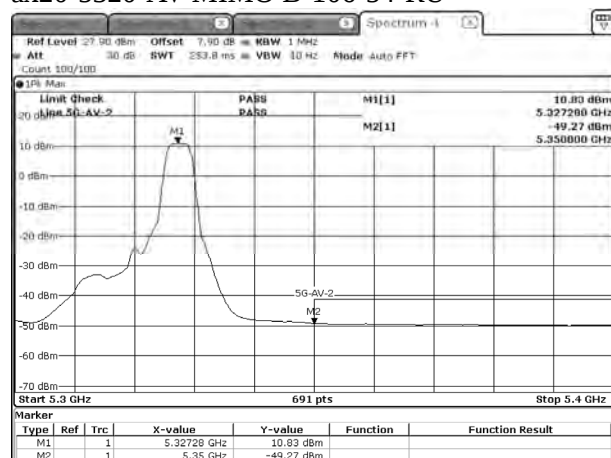
Date: 11 SEP 2021 13:53:06

ax20-5320-AV-MIMO A-26-8-RU



Date: 11 SEP 2021 07:12:24

ax20-5320-AV-MIMO B-106-54-RU

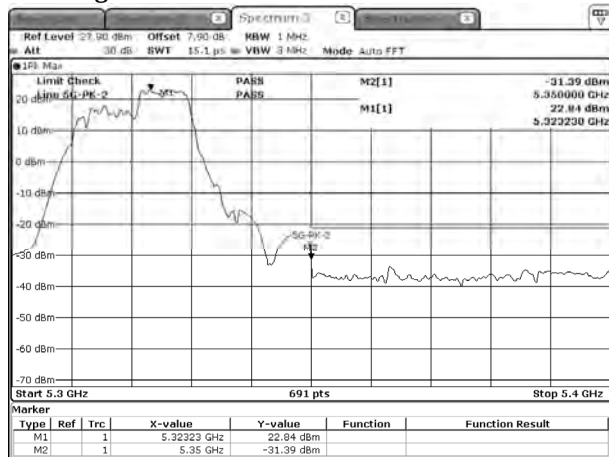


Date: 11 SEP 2021 07:02:28

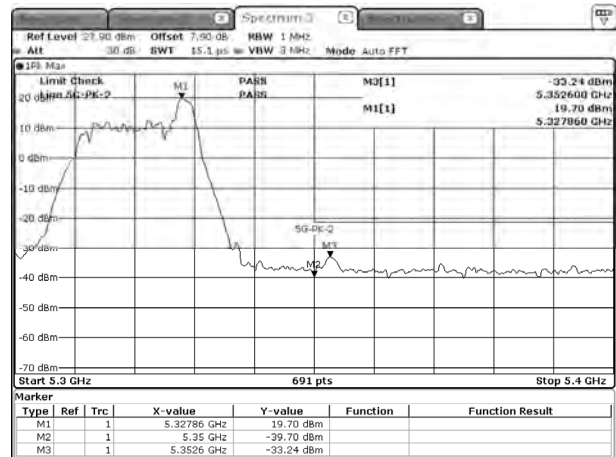
ax20-5320-AV-MIMO B-52-40-RU

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 23: MIMO: Transmit (802.11ax-20BW_17.2Mbps)-Channel 36

RU config: Other

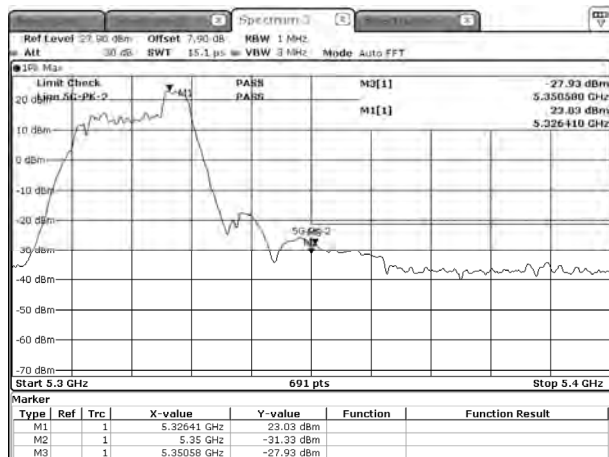


Date: 11 SEP 2021 14:12:56



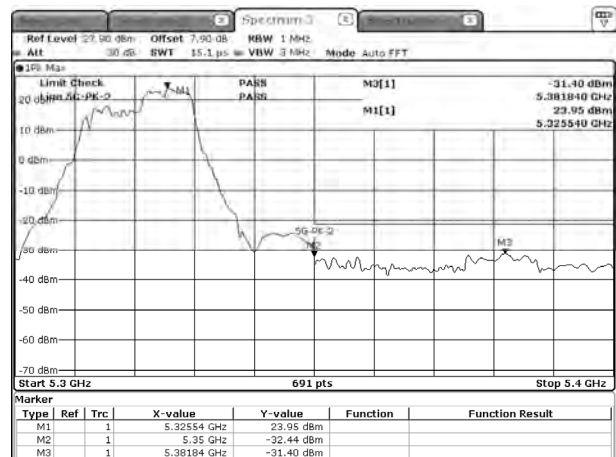
Date: 11 SEP 2021 13:54:50

ax20-5320-PK-MIMO A-106-54-RU



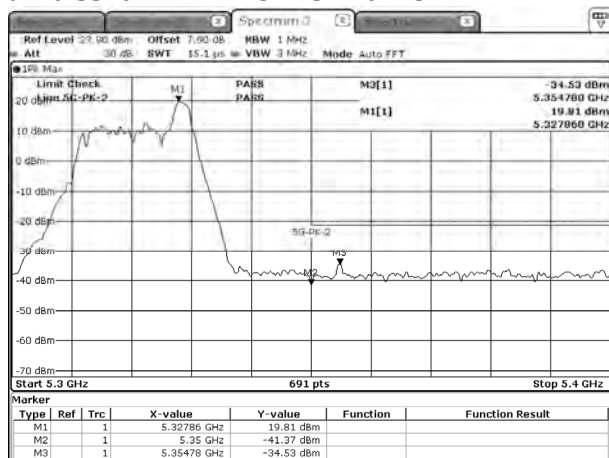
Date: 11 SEP 2021 14:06:47

ax20-5320-PK-MIMO A-26-8-RU



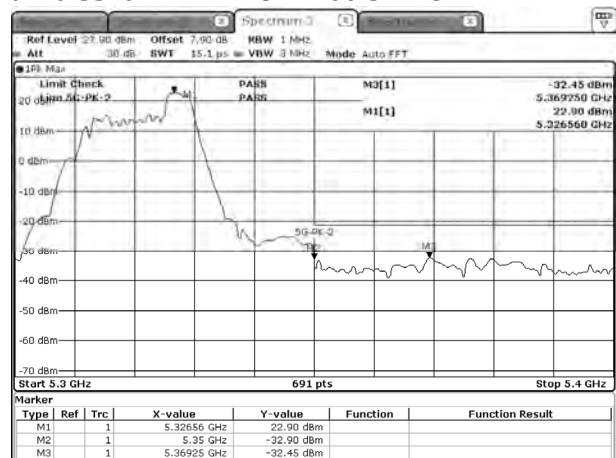
Date: 11 SEP 2021 07:14:41

ax20-5320-PK-MIMO A-52-40-RU



Date: 11 SEP 2021 06:57:07

ax20-5320-PK-MIMO B-106-54-RU



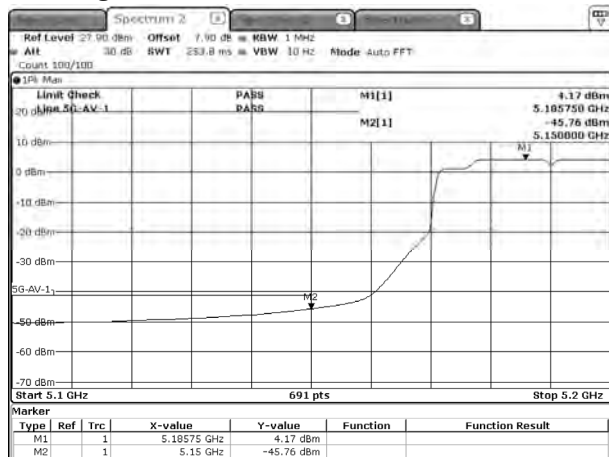
Date: 11 SEP 2021 07:07:43

ax20-5320-PK-MIMO B-26-8-RU

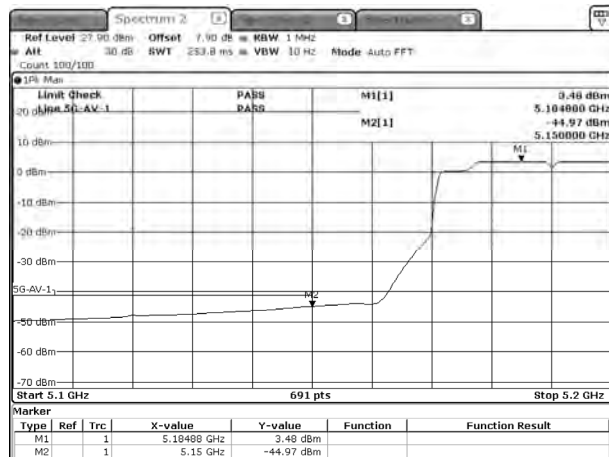
ax20-5320-PK-MIMO B-52-40-RU

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps)-Channel 38

RU config: Full

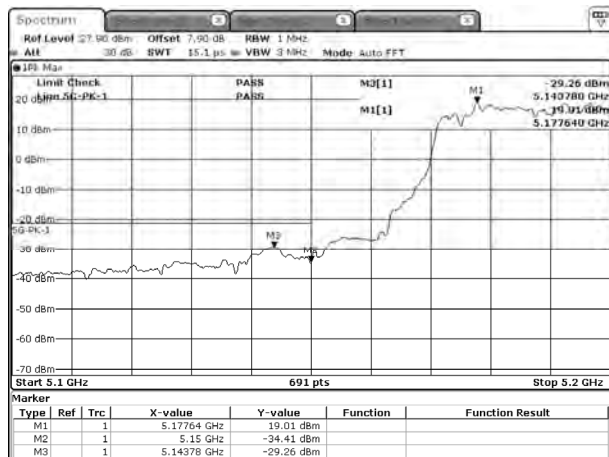


Date: 11 SEP 2021 11:31:12



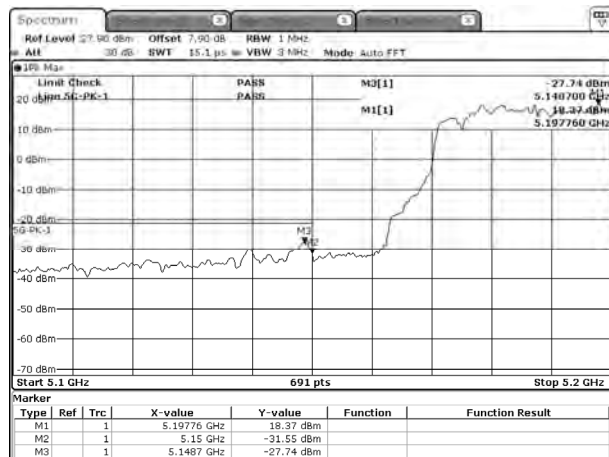
Date: 11 SEP 2021 04:33:11

ax40-5190-AV-MIMO A



Date: 11 SEP 2021 11:33:27

ax40-5190-AV-MIMO B



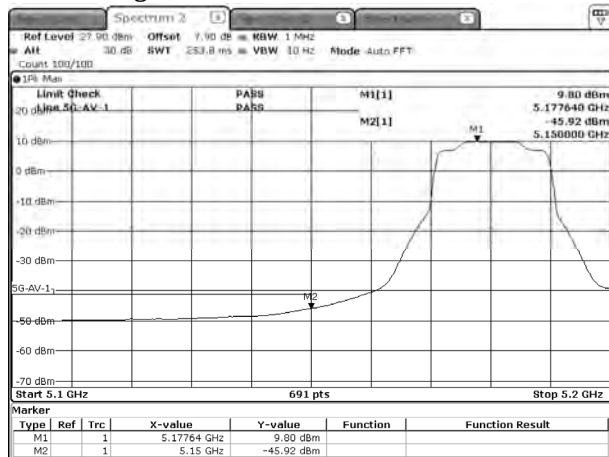
Date: 11 SEP 2021 04:35:18

ax40-5190-PK-MIMO A

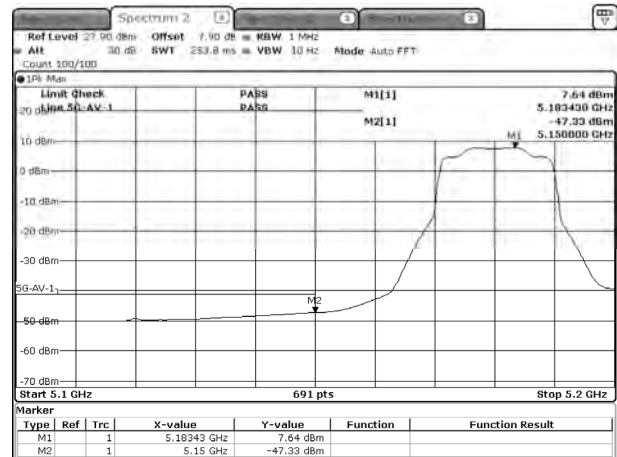
ax40-5190-PK-MIMO B

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps)-Channel 38

RU config: Other

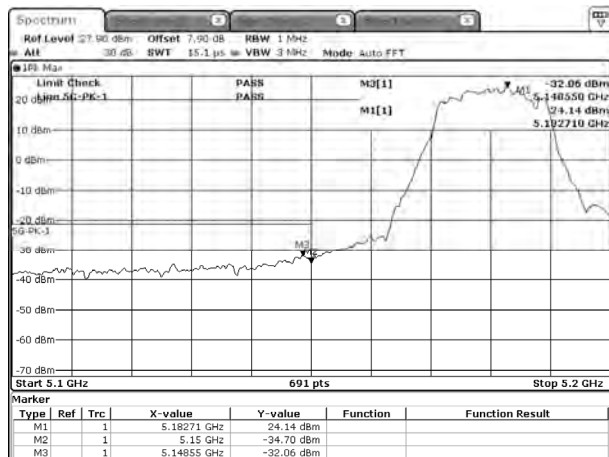


Date: 11 SEP 2021 14:17:07



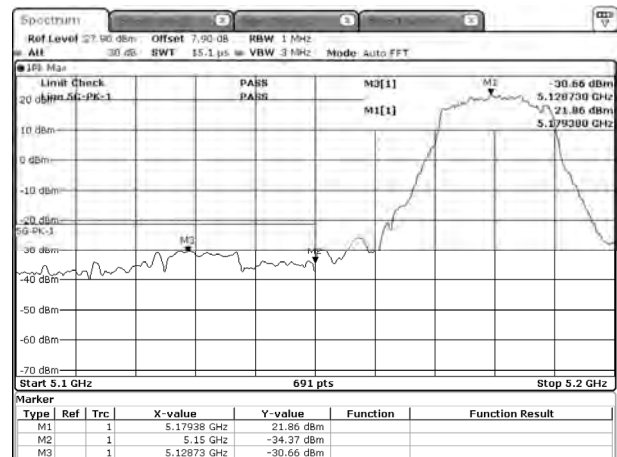
Date: 11 SEP 2021 07:19:10

ax40-5190-AV-MIMO A-242-61-RU



Date: 11 SEP 2021 14:19:56

ax40-5190-AV-MIMO B-242-61-RU



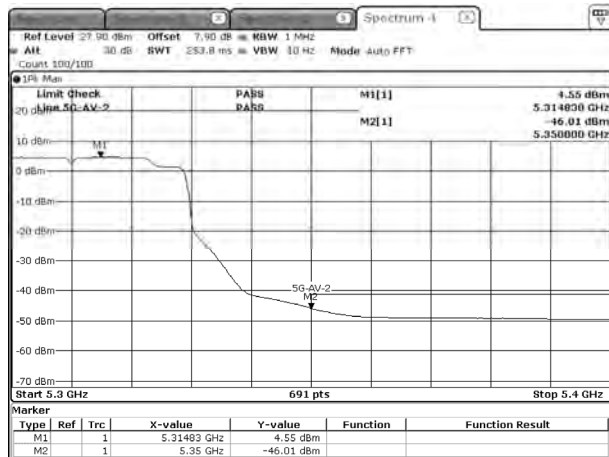
Date: 11 SEP 2021 07:21:33

ax40-5190-PK-MIMO A-242-61-RU

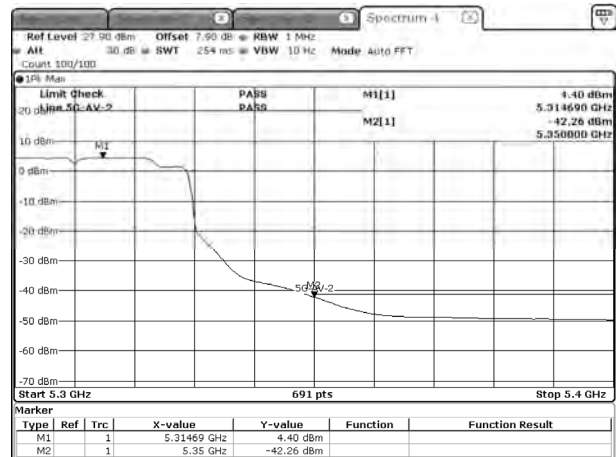
ax40-5190-PK-MIMO B-242-61-RU

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps)-Channel 62

RU config: Full

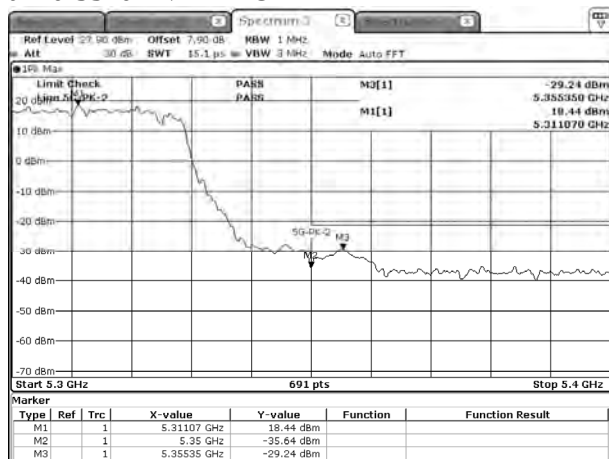


Date: 11 SEP 2021 11:39:08



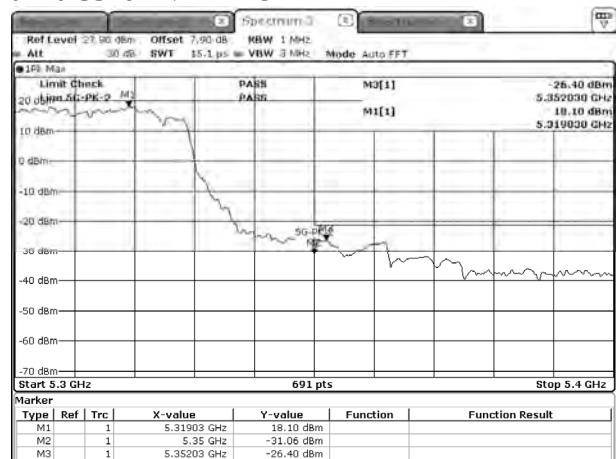
Date: 11 SEP 2021 04:41:07

ax40-5310-AV-MIMO A



Date: 11 SEP 2021 11:40:19

ax40-5310-AV-MIMO B



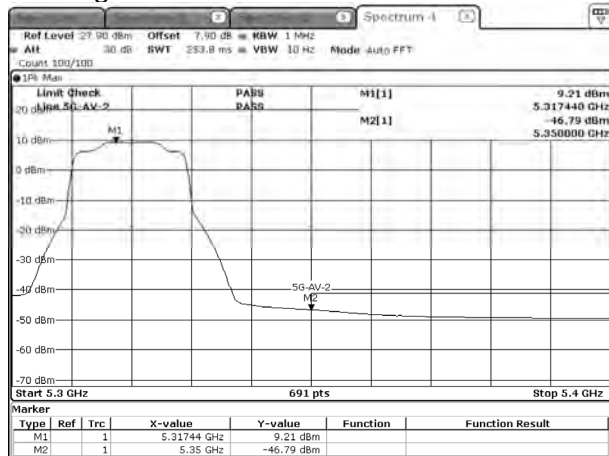
Date: 11 SEP 2021 04:42:06

ax40-5310-PK-MIMO A

ax40-5310-PK-MIMO B

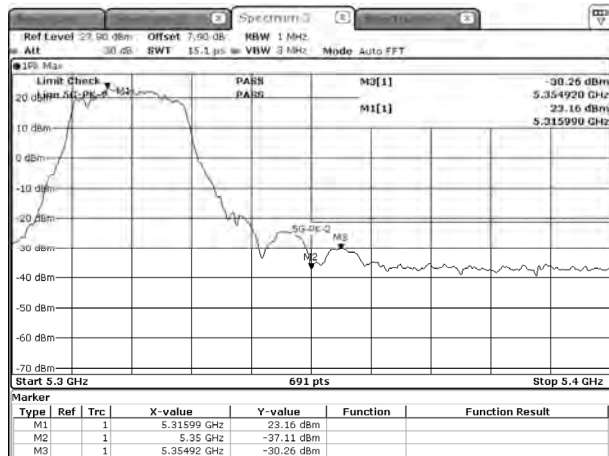
Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 24: MIMO: Transmit (802.11ax-40BW_34.4Mbps)-Channel 62

RU config: Other



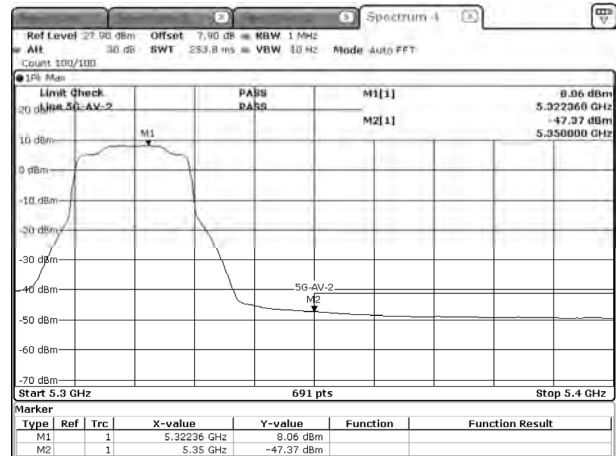
Date: 11 SEP 2021 14:24:27

ax40-5310-AV-MIMO A-242-62-RU



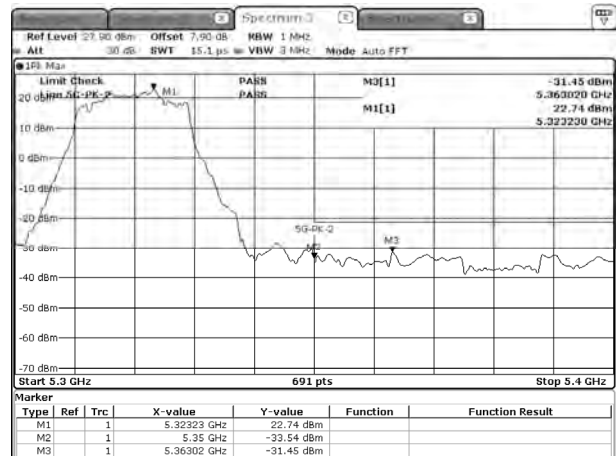
Date: 11 SEP 2021 14:27:11

ax40-5310-PK-MIMO A-242-62-RU



Date: 11 SEP 2021 07:26:29

ax40-5310-AV-MIMO B-242-62-RU

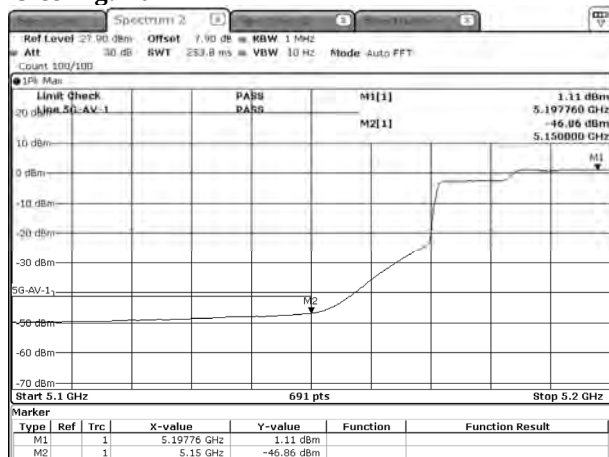


Date: 11 SEP 2021 07:28:59

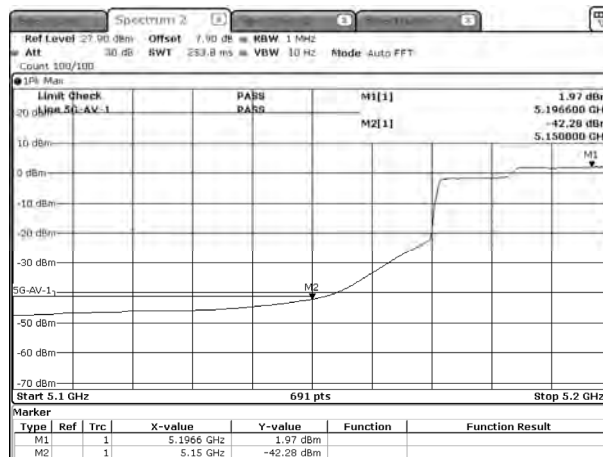
ax40-5310-PK-MIMO B-242-62-RU

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps)-Channel 42

RU config: Full

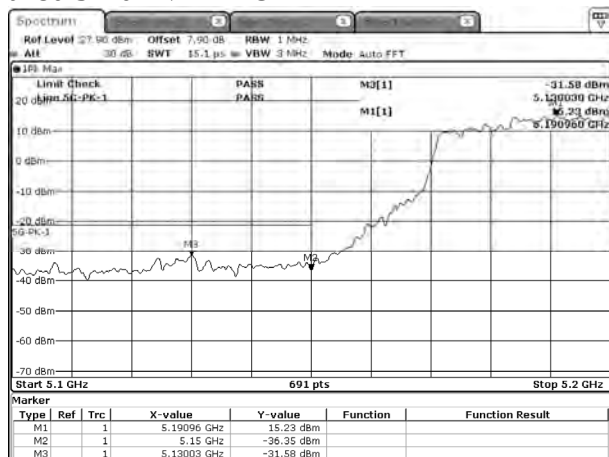


Date: 11 SEP 2021 11:44:32



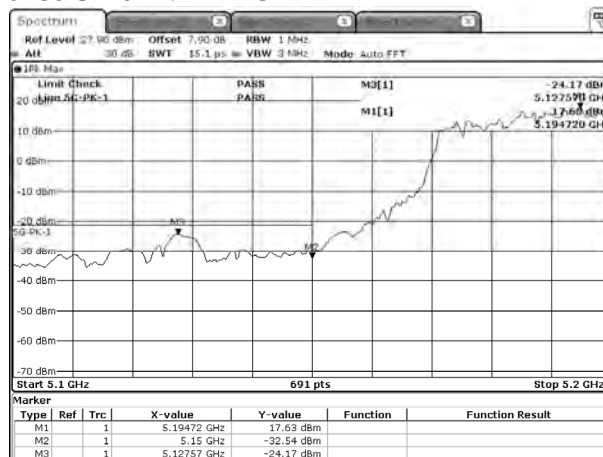
Date: 11 SEP 2021 04:46:31

ax80-5210-AV-MIMO A



Date: 11 SEP 2021 11:46:57

ax80-5210-AV-MIMO B



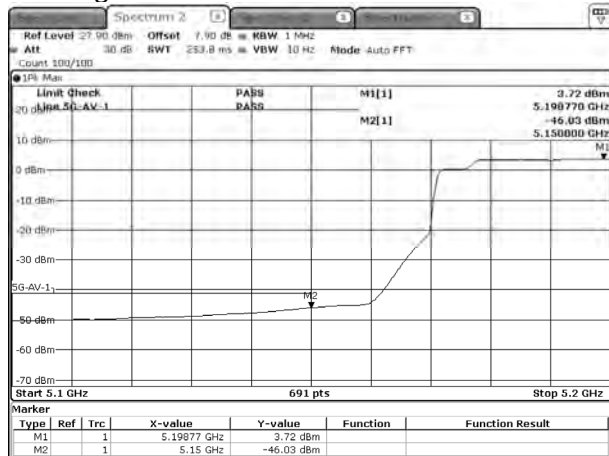
Date: 11 SEP 2021 04:48:42

ax80-5210-PK-MIMO A

ax80-5210-PK-MIMO B

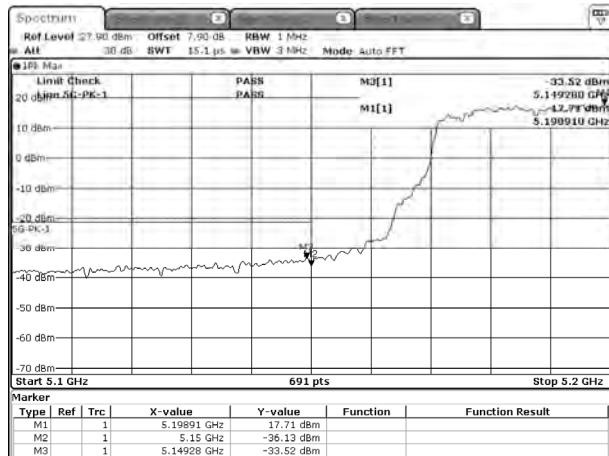
Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps)-Channel 42

RU config: Other



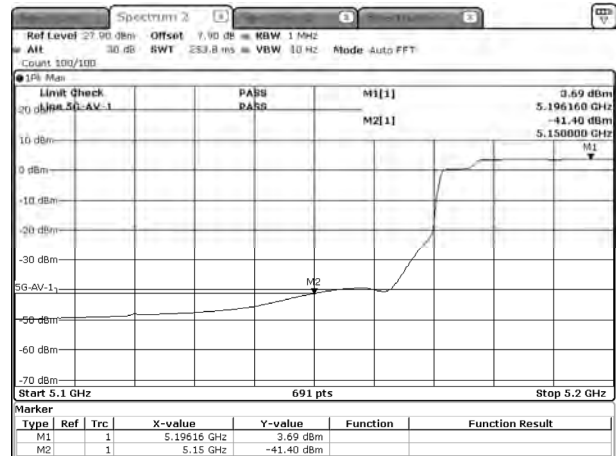
Date: 11 SEP 2021 14:30:48

ax80-5210-AV-MIMO A-484-65-RU



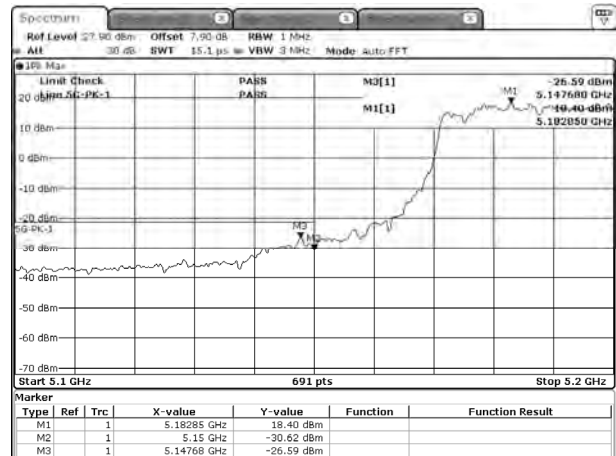
Date: 11 SEP 2021 14:30:03

ax80-5210-PK-MIMO A-484-65-RU



Date: 11 SEP 2021 07:32:51

ax80-5210-AV-MIMO B-484-65-RU

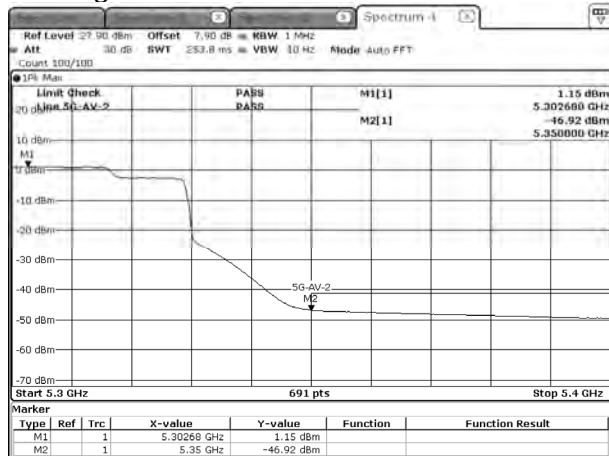


Date: 11 SEP 2021 07:35:43

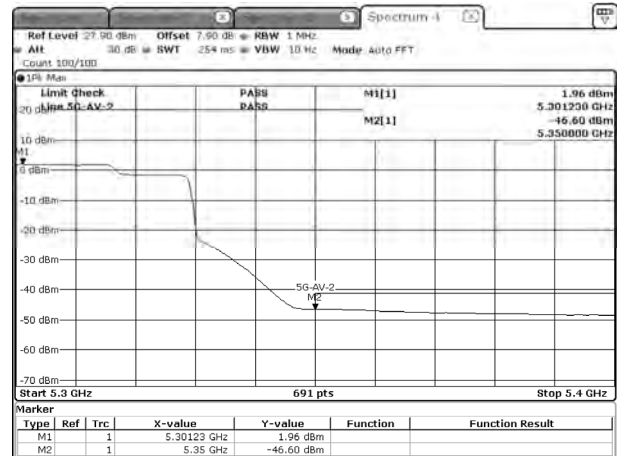
ax80-5210-PK-MIMO B-484-65-RU

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps)-Channel 58

RU config: Full

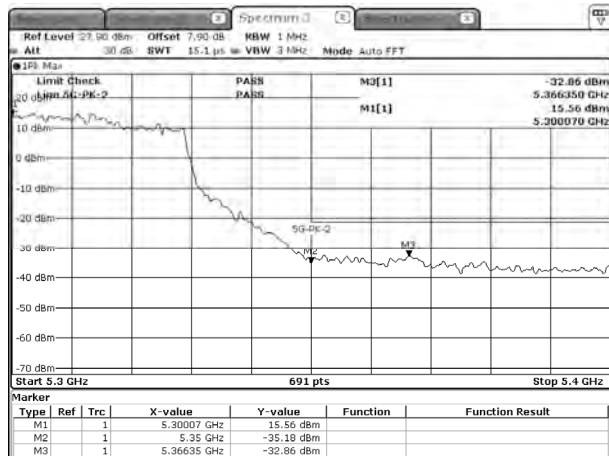


Date: 11 SEP 2021 11:50:08



Date: 11 SEP 2021 04:52:11

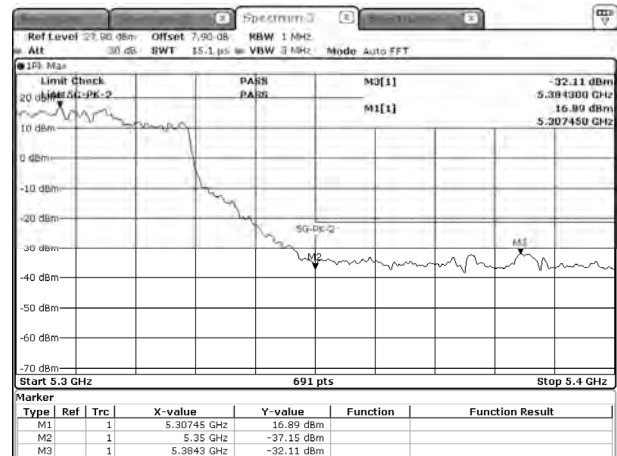
ax80-5290-AV-MIMO A



Date: 11 SEP 2021 12:03:00

ax80-5290-PK-MIMO A

ax80-5290-AV-MIMO B

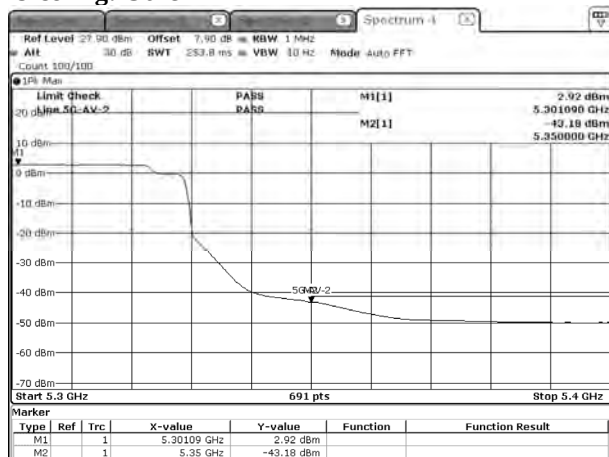


Date: 11 SEP 2021 05:04:42

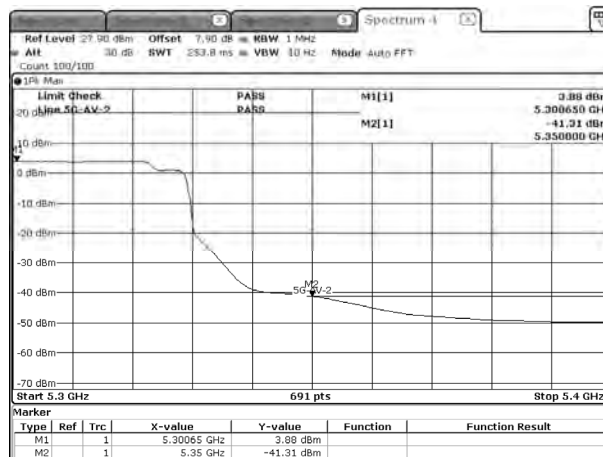
ax80-5290-PK-MIMO B

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 25: MIMO: Transmit (802.11ax-80BW_72.1Mbps)-Channel 58

RU config: Other

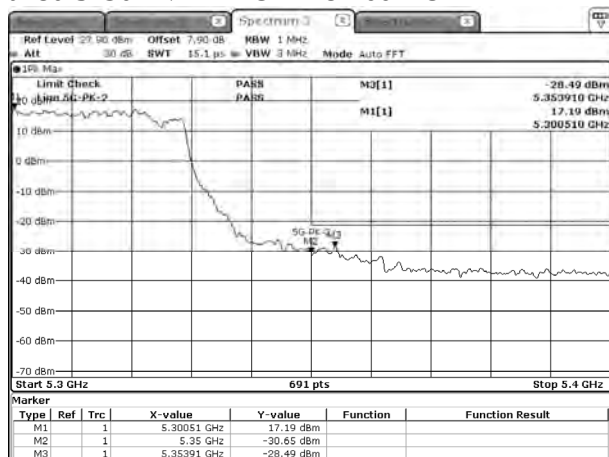


Date: 11 SEP 2021 14:51:56



Date: 11 SEP 2021 07:53:59

ax80-5290-AV-MIMO A-484-66-RU



Date: 11 SEP 2021 14:55:07

ax80-5290-AV-MIMO B-484-66-RU



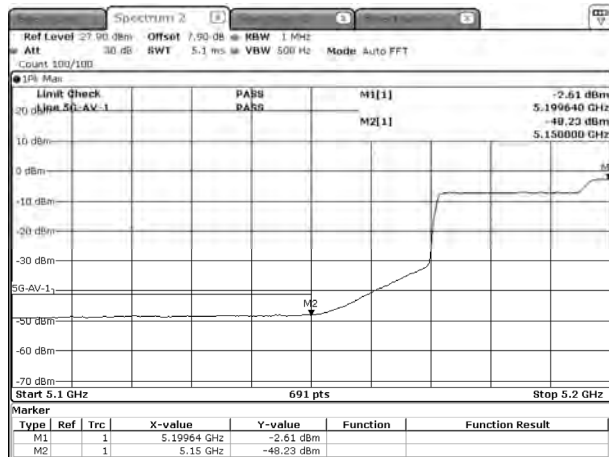
Date: 11 SEP 2021 07:56:43

ax80-5290-PK-MIMO A-484-66-RU

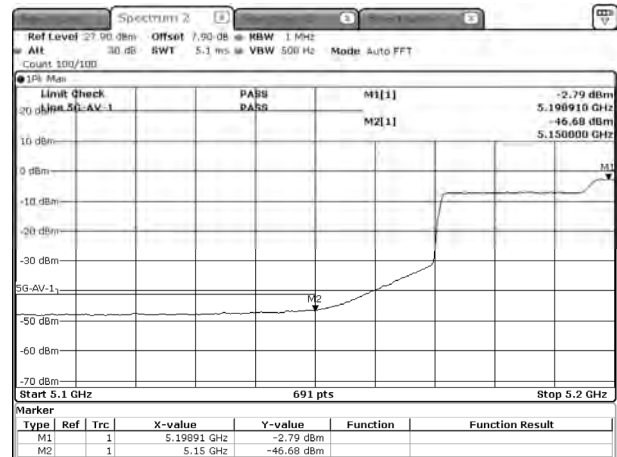
ax80-5290-PK-MIMO B-484-66-RU

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 26: MIMO: Transmit (802.11ax-160BW_144.1Mbps)-Channel 50

RU config: Full

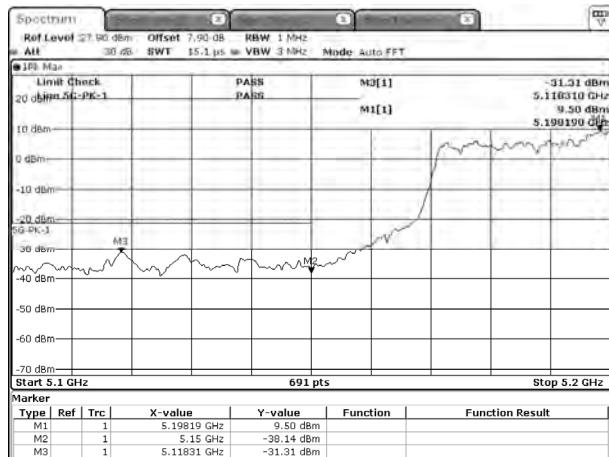


Date: 11 SEP 2021 11:52:54



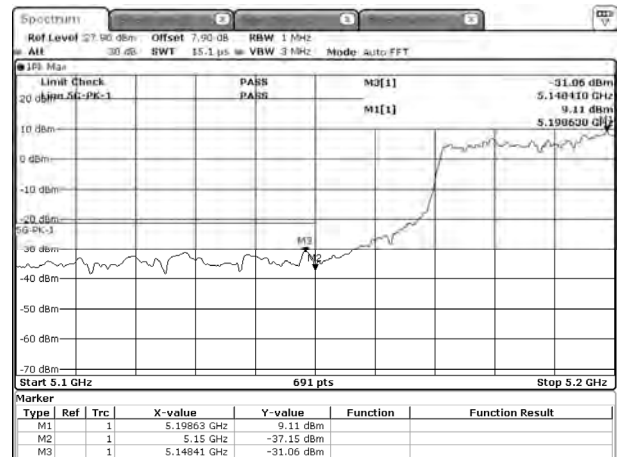
Date: 11 SEP 2021 04:54:54

ax160-5250-1-AV-MIMO A



Date: 11 SEP 2021 11:55:06

ax160-5250-1-AV-MIMO B



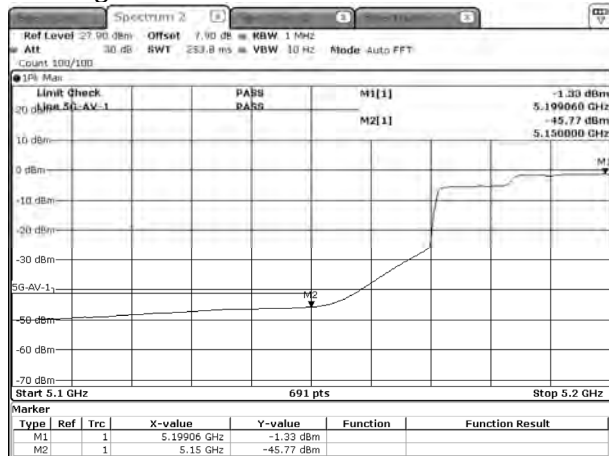
Date: 11 SEP 2021 04:56:46

ax160-5250-1-PK-MIMO A

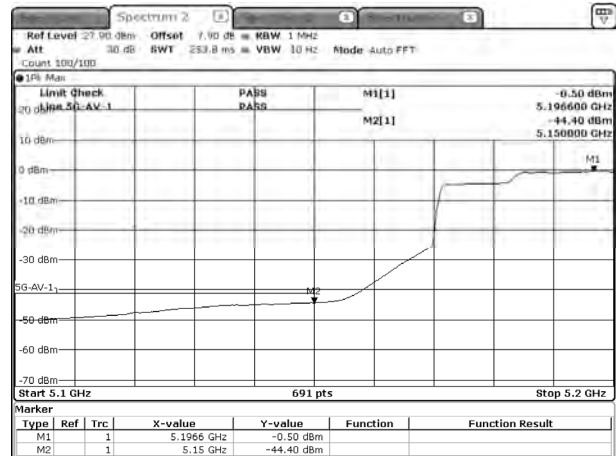
ax160-5250-1-PK-MIMO B

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 26: MIMO: Transmit (802.11ax-160BW_144.1Mbps)-Channel 50

RU config: Other

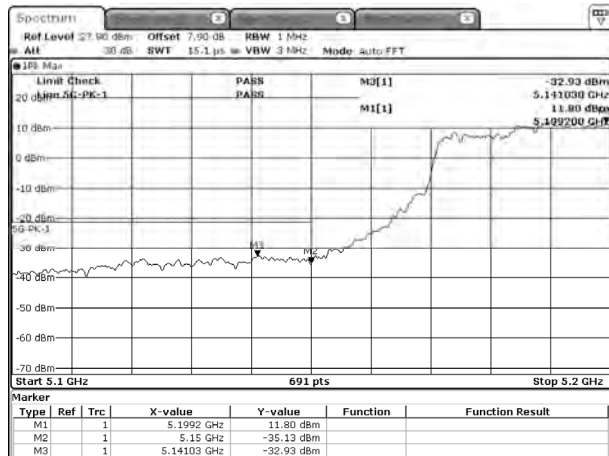


Date: 11 SEP 2021 15:00:15



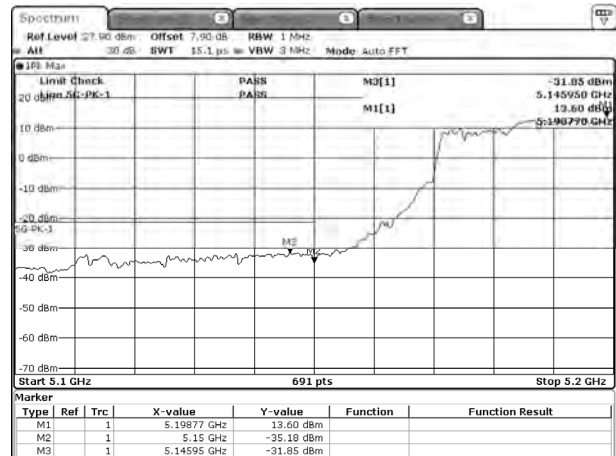
Date: 11 SEP 2021 08:16:33

ax160-5250-1-AV-MIMO A-996-67-RU



Date: 11 SEP 2021 15:01:38

ax160-5250-1-AV-MIMO B-996-67-RU



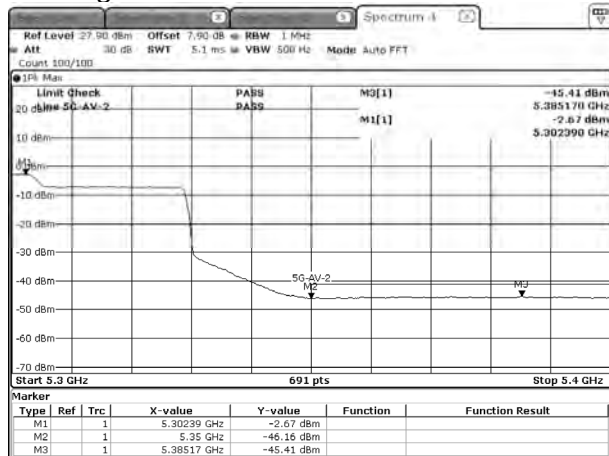
Date: 11 SEP 2021 08:18:22

ax160-5250-1-PK-MIMO A-996-67-RU

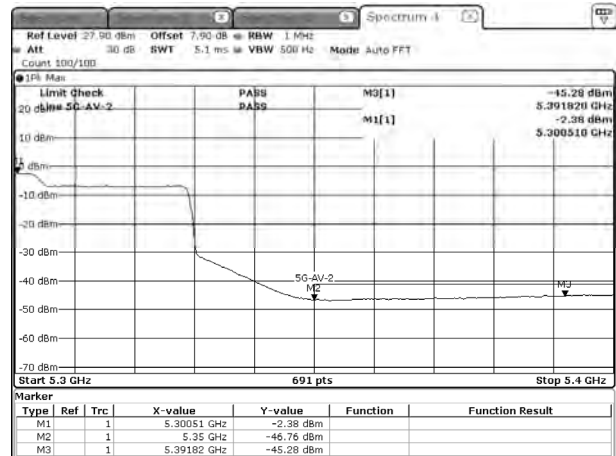
ax160-5250-1-PK-MIMO B-996-67-RU

Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/13
 Test Mode : Mode 26: MIMO: Transmit (802.11ax-160BW_144.1Mbps)-Channel 50

RU config: Full

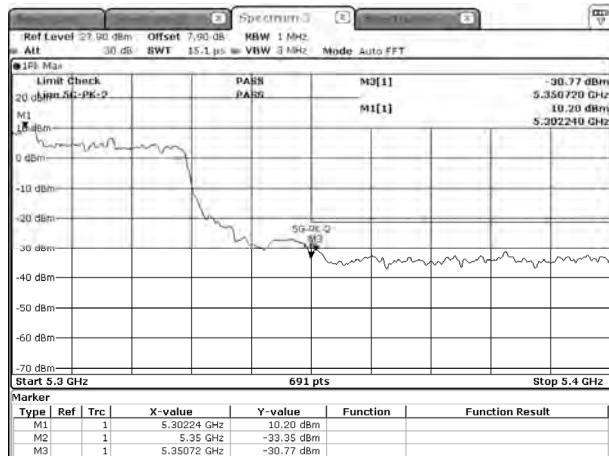


Date: 11 SEP 2021 11:56:37



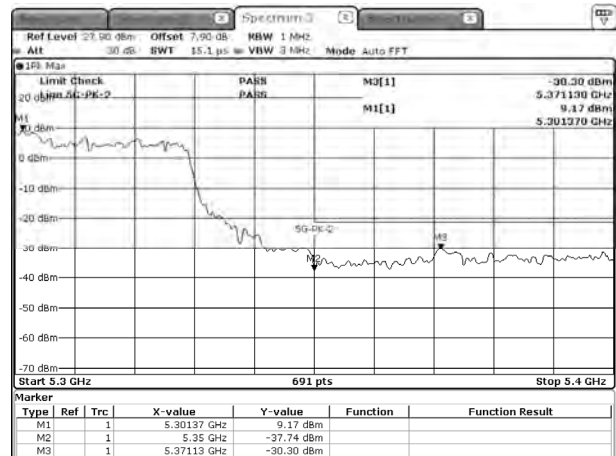
Date: 11 SEP 2021 04:58:22

ax160-5250-2-AV-MIMO A



Date: 11 SEP 2021 11:57:59

ax160-5250-2-AV-MIMO B



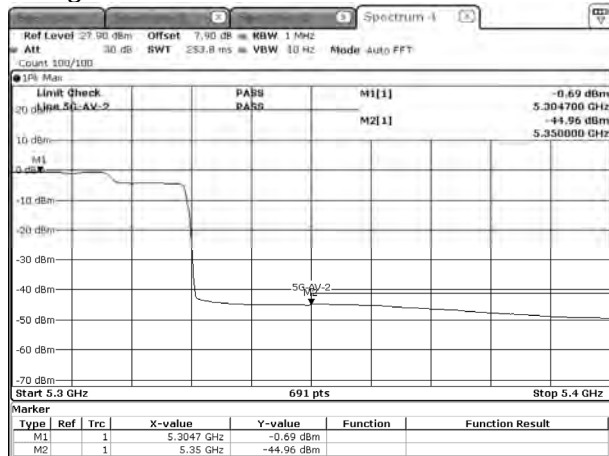
Date: 11 SEP 2021 04:59:44

ax160-5250-2-PK-MIMO A

ax160-5250-2-PK-MIMO B

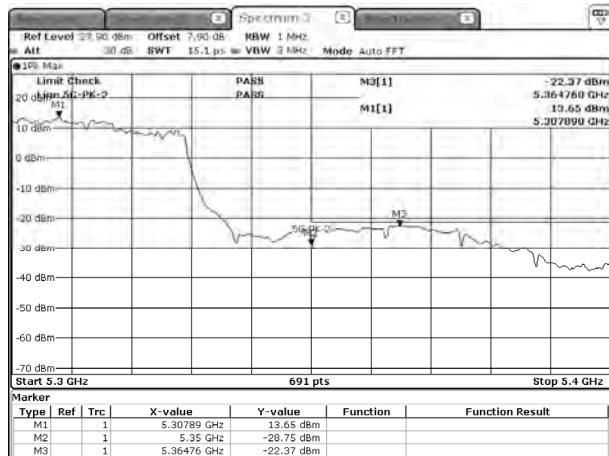
Product : Intel® Wi-Fi 6E AX211
 Test Item : Band Edge Data
 Test Date : 2021/09/11
 Test Mode : Mode 26: MIMO: Transmit (802.11ax-160BW_144.1Mbps)-Channel 50

RU config: Other



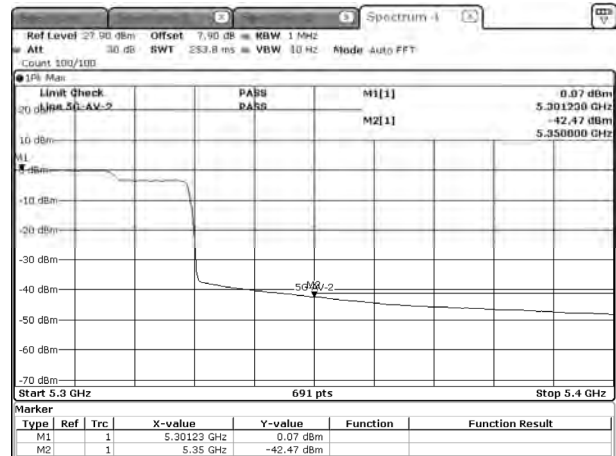
Date: 11 SEP 2021 15:05:44

ax160-5250-2-AV-MIMO A-996-S67-RU



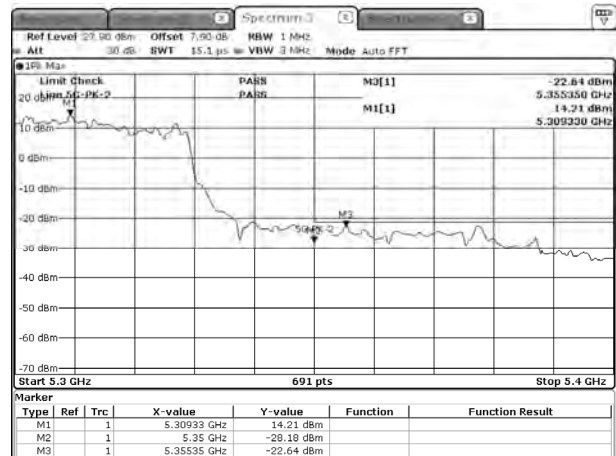
Date: 11 SEP 2021 15:08:18

ax160-5250-2-PK-MIMO A-996-S67-RU



Date: 11 SEP 2021 08:07:47

ax160-5250-2-AV-MIMO B-996-S67-RU

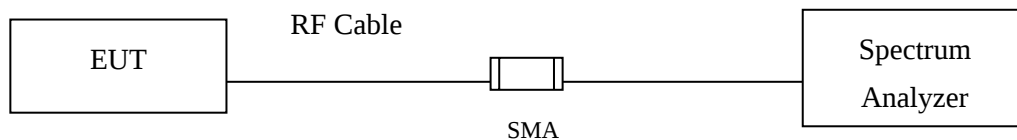


Date: 11 SEP 2021 08:12:18

ax160-5250-2-PK-MIMO B-996-S67-RU

5. Duty Cycle

5.1. Test Setup



5.2. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to test procedure of KDB789033 for compliance to FCC 47CFR 15.407 requirements.

5.3. Test Result of Duty Cycle

Product : Intel® Wi-Fi 6E AX211
 Test Item : Duty Cycle
 Test Mode : Transmit

Duty Cycle Formula:

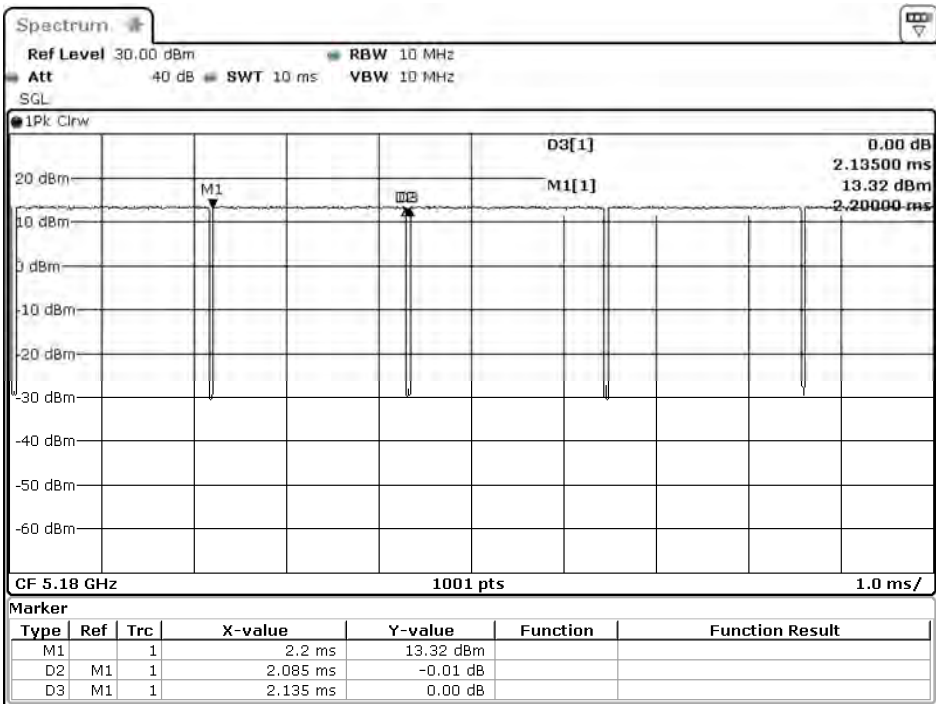
Duty Cycle = $T_{on} / (T_{on} + T_{off})$

Duty Factor = 10 Log (1/Duty Cycle)

Results: SISO A

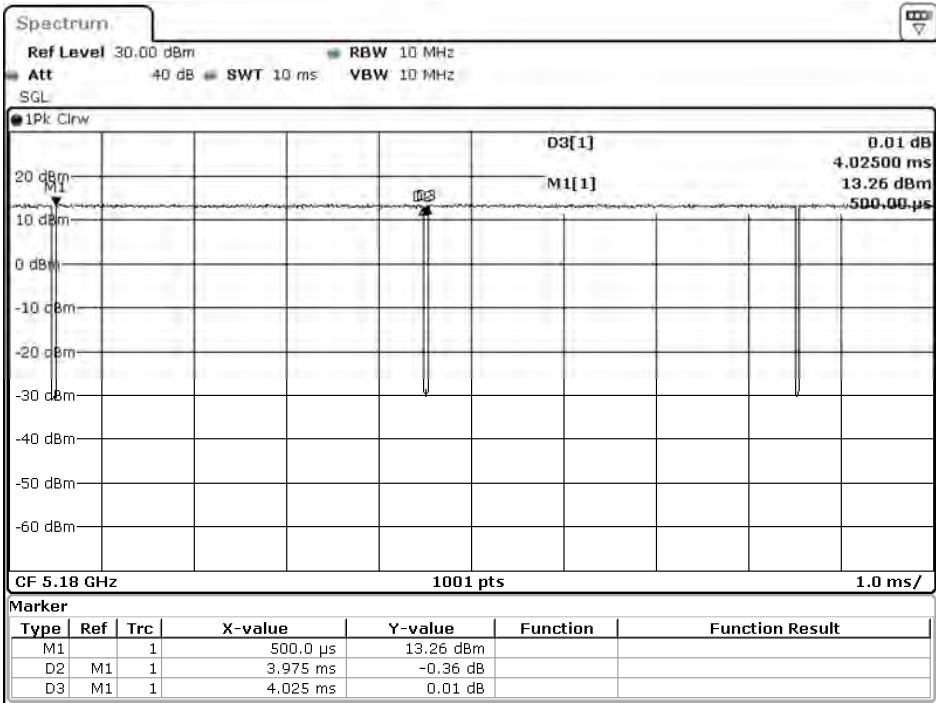
5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11 a	2.0850	2.1350	97.66	0.10
802.11 n20	3.9750	4.0250	98.76	0.05
802.11 n40	3.9750	4.0250	98.76	0.05
802.11 ac80	3.9650	4.0150	98.75	0.05
802.11 ac160	3.9550	4.0050	98.75	0.05
802.11 ax20	2.5750	2.6150	98.47	0.07
802.11 ax40	2.5850	2.6350	98.10	0.08
802.11 ax80	2.5750	2.6250	98.10	0.08
802.11 ax160	2.5950	2.6350	98.48	0.07
802.11 ax20-26/0-RU	2.5950	2.6350	98.48	0.07
802.11 ax20-52/37-RU	2.5950	2.6350	98.48	0.07
802.11 ax20-106/53-RU	2.5850	2.6250	98.48	0.07
802.11 ax40-242-61-RU	2.5950	2.6450	98.11	0.08
802.11 ax80-484-65-RU	2.5850	2.6350	98.10	0.08
802.11 ax160-996-67-RU	2.5850	2.6350	98.10	0.08

802.11a – SISO A



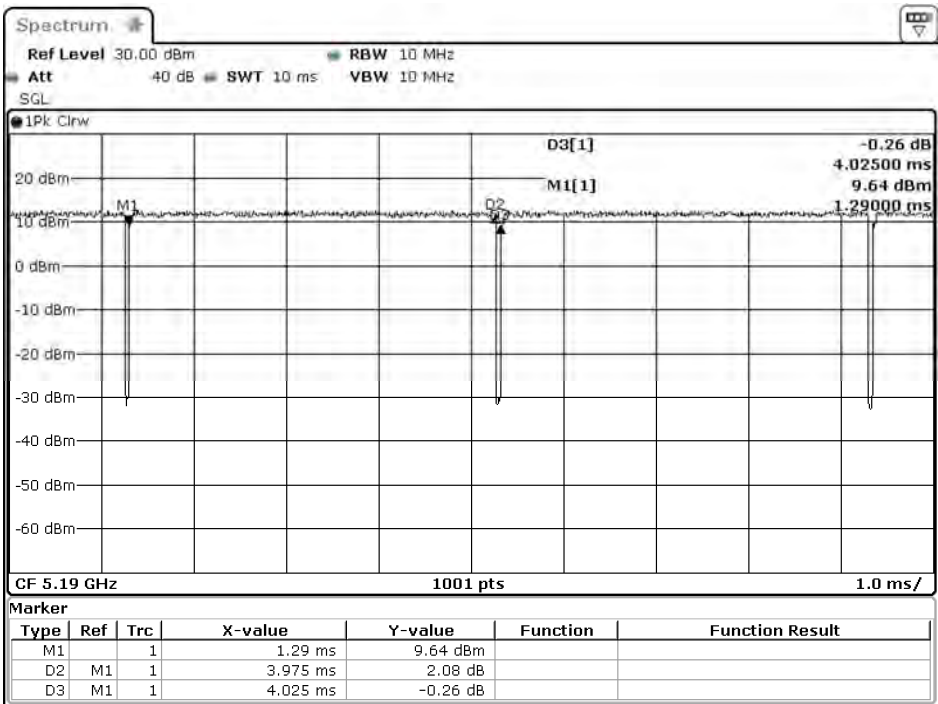
Date: 1.SEP.2021 12:44:35

802.11n20 – SISO A



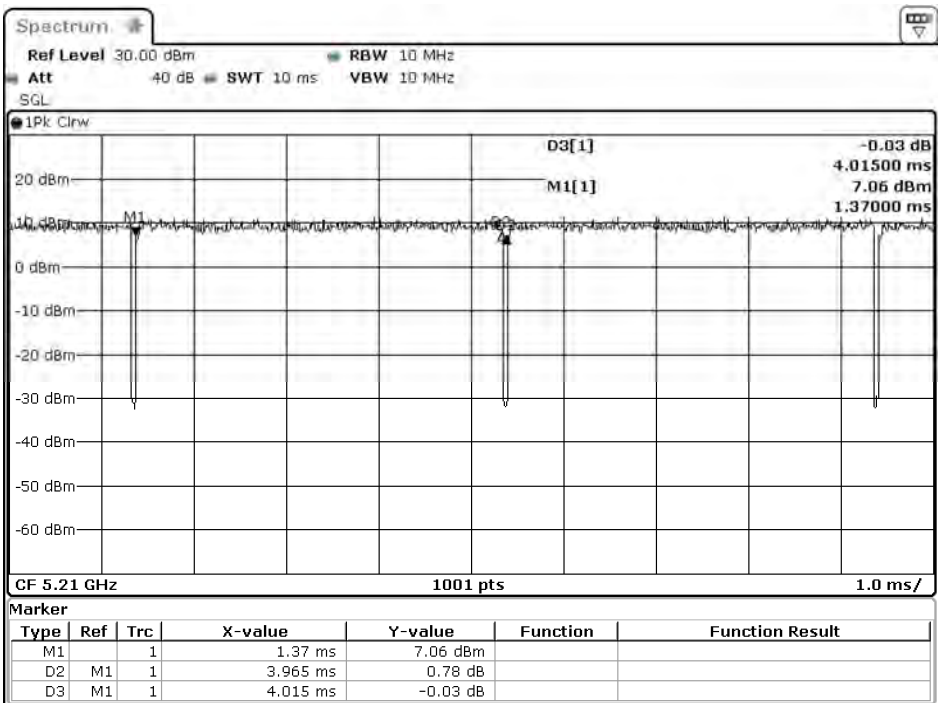
Date: 1.SEP.2021 12:45:42

802.11n40 – SISO A



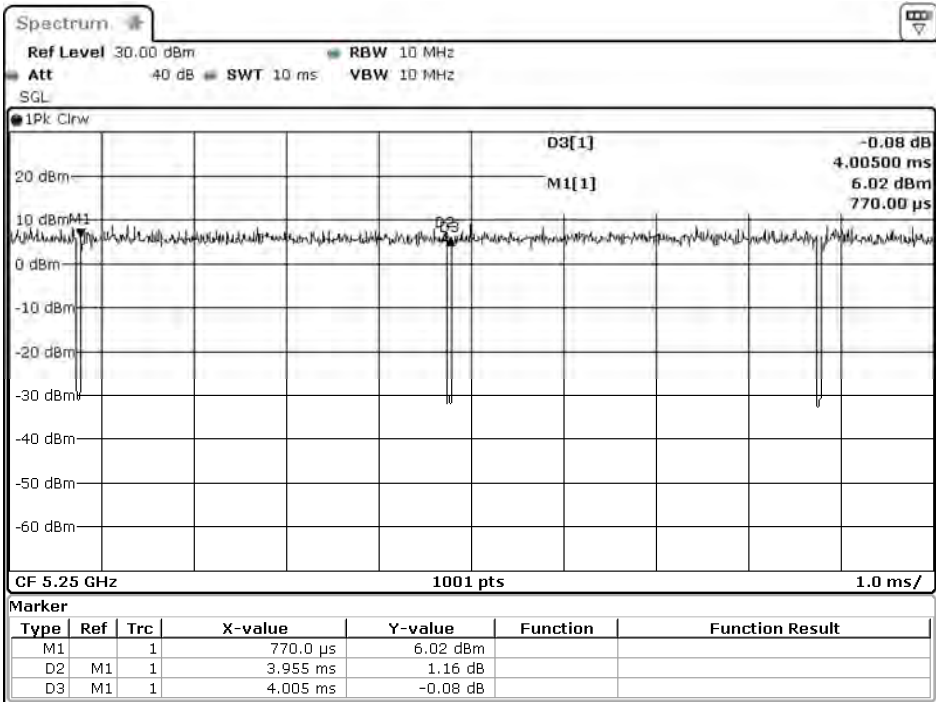
Date: 1.SEP.2021 12:46:54

802.11ac80 – SISO A



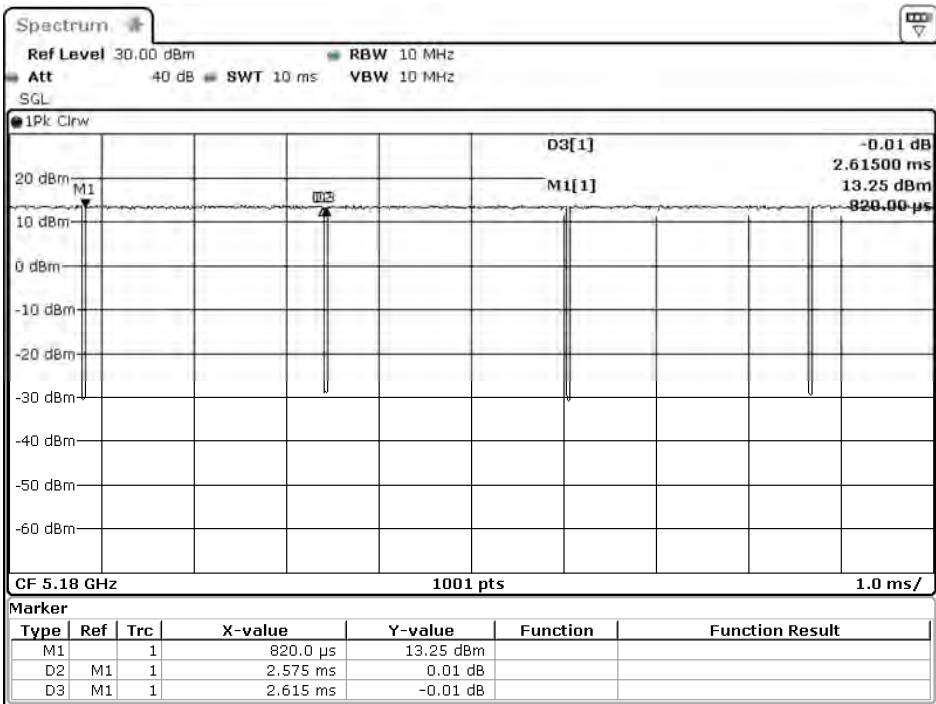
Date: 1.SEP.2021 12:47:51

802.11ac160 – SISO A



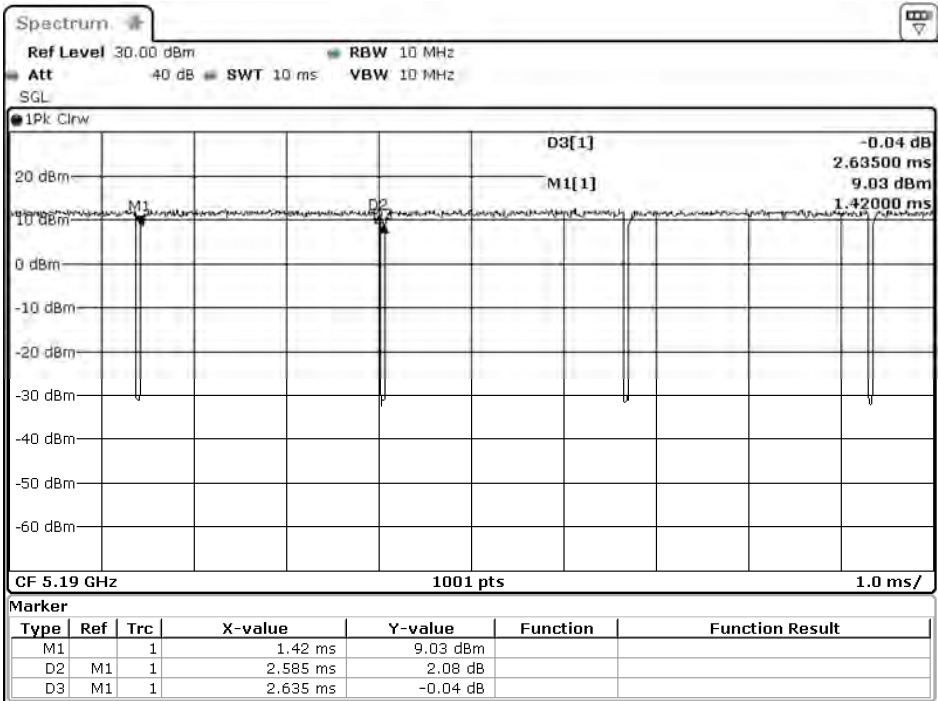
Date: 1.SEP.2021 12:48:49

802.11ax20 – SISO A



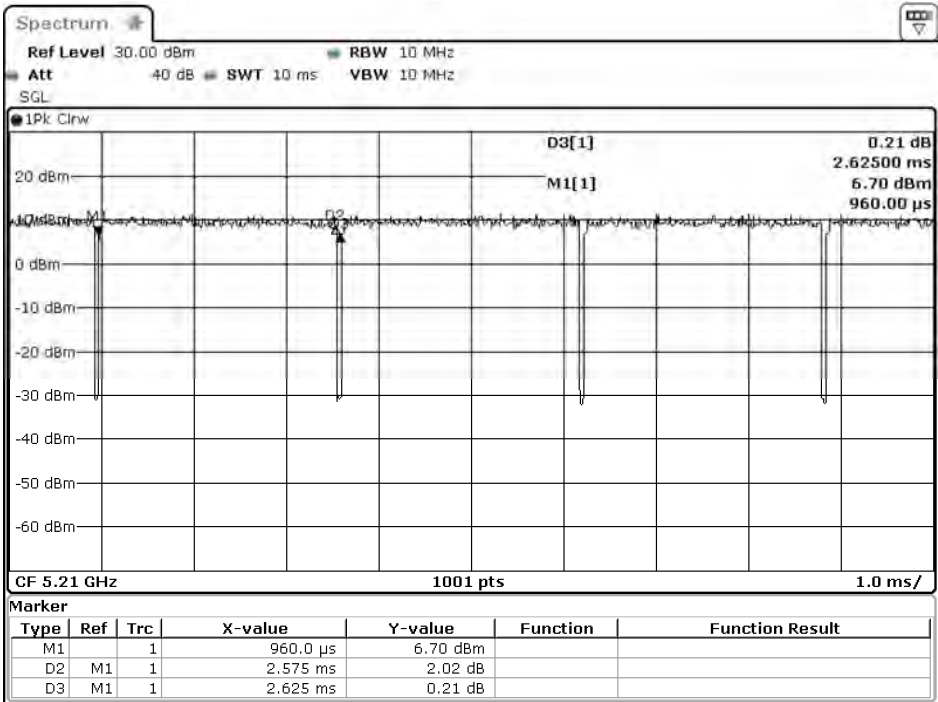
Date: 1.SEP.2021 12:50:22

802.11ax40 – SISO A



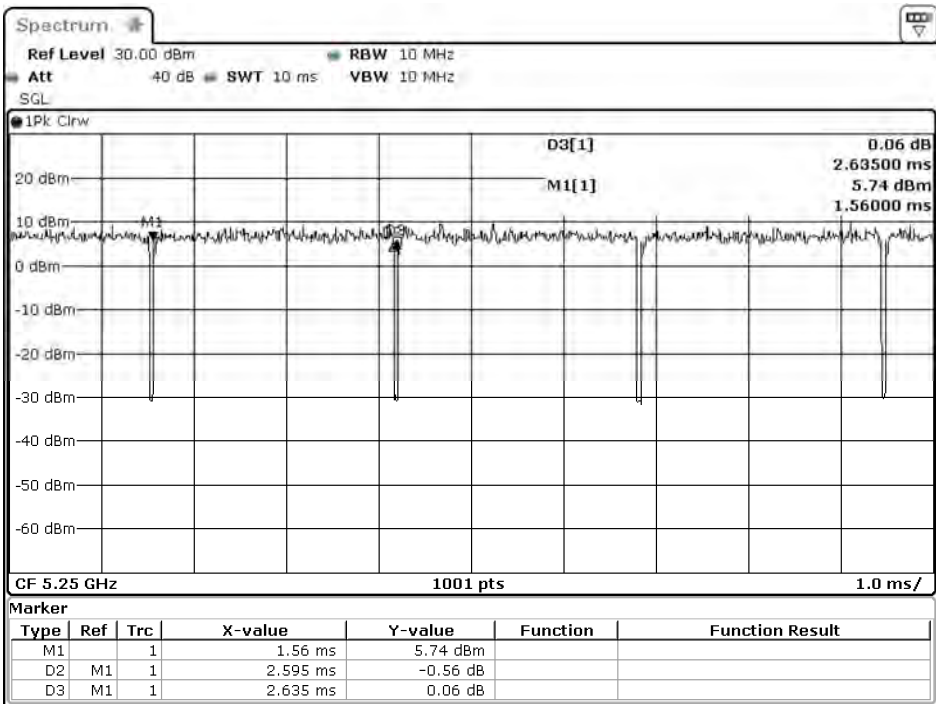
Date: 1.SEP.2021 12:51:41

802.11ax80 – SISO A



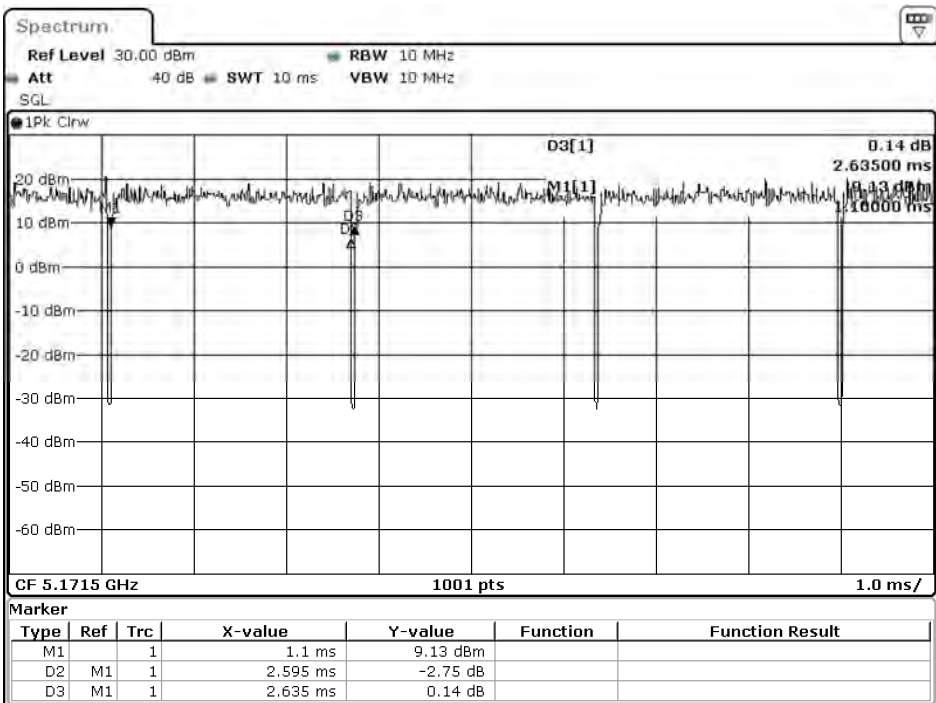
Date: 1.SEP.2021 12:52:30

802.11ax160 – SISO A



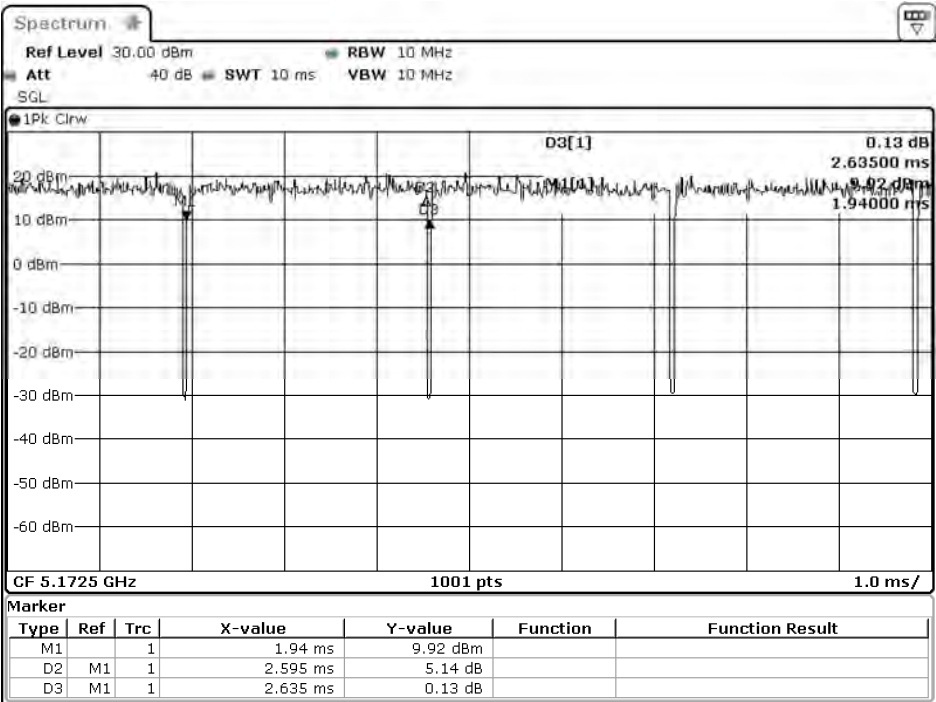
Date: 1.SEP.2021 12:53:44

802.11ax20-26/0-RU – SISO A



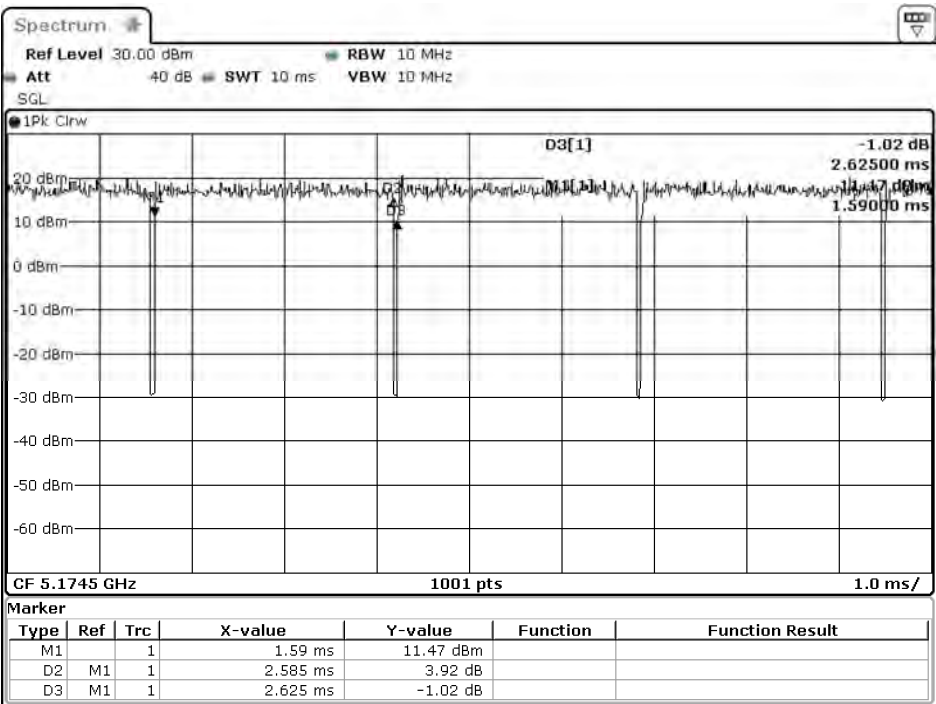
Date: 1.SEP.2021 12:13:40

802.11ax20-52/37-RU – SISO A



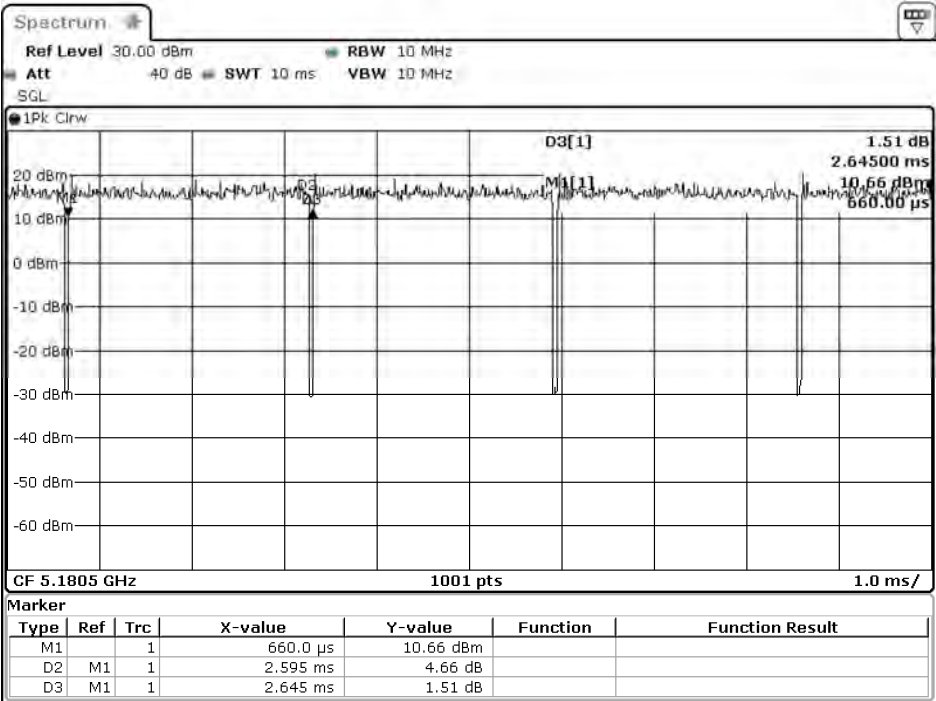
Date: 1.SEP.2021 12:15:01

802.11ax20-106/53-RU – SISO A



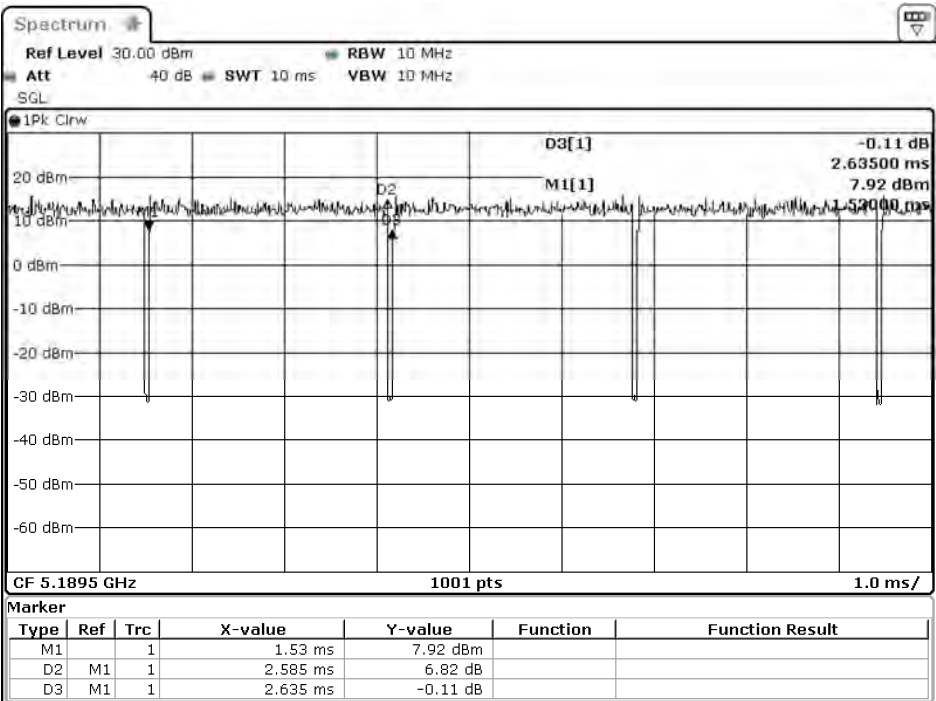
Date: 1.SEP.2021 12:17:30

802.11ax40-242/61-RU – SISO A



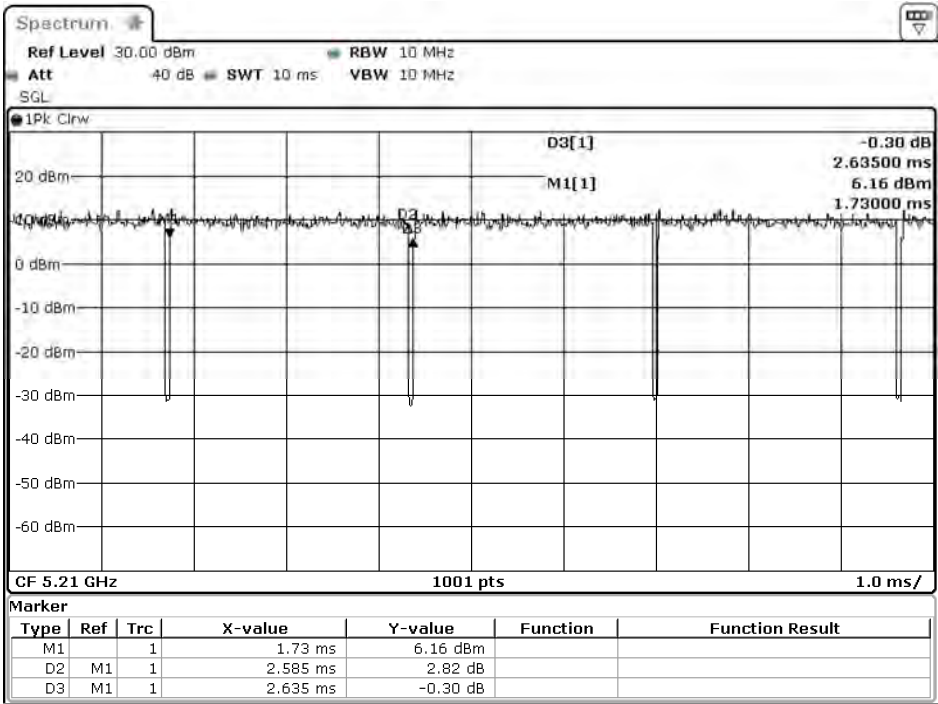
Date: 1.SEP.2021 12:19:45

802.11ax80-484/65-RU – SISO A



Date: 1.SEP.2021 12:41:51

802.11ax160-996/67-RU – SISO A



Date: 1.SEP.2021 12:43:05

Product : Intel® Wi-Fi 6E AX211
 Test Item : Duty Cycle
 Test Mode : Transmit

Duty Cycle Formula:

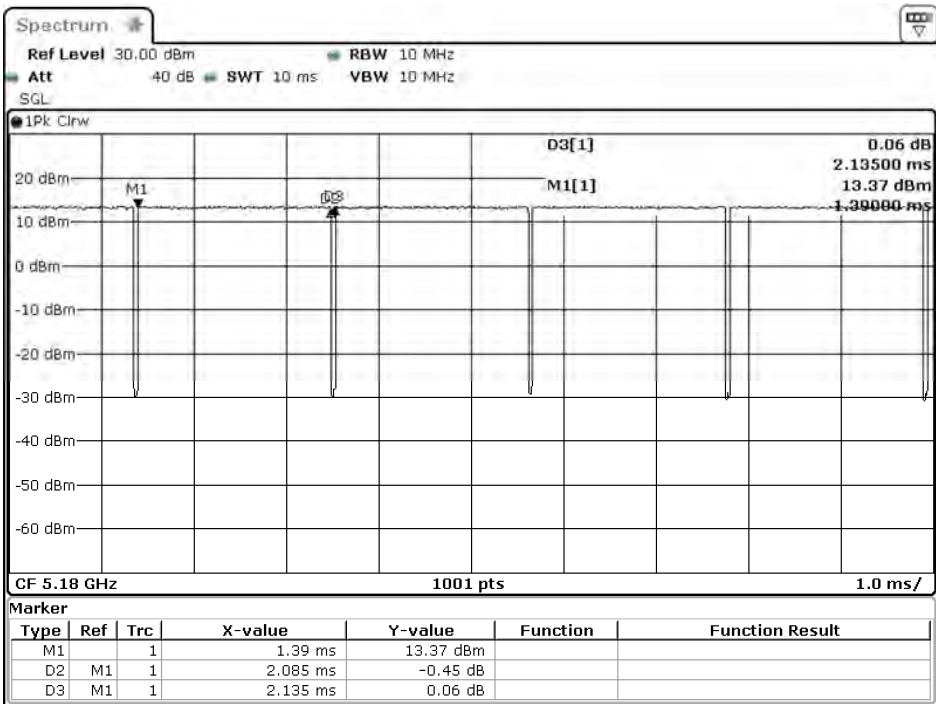
Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

Results: SISO B

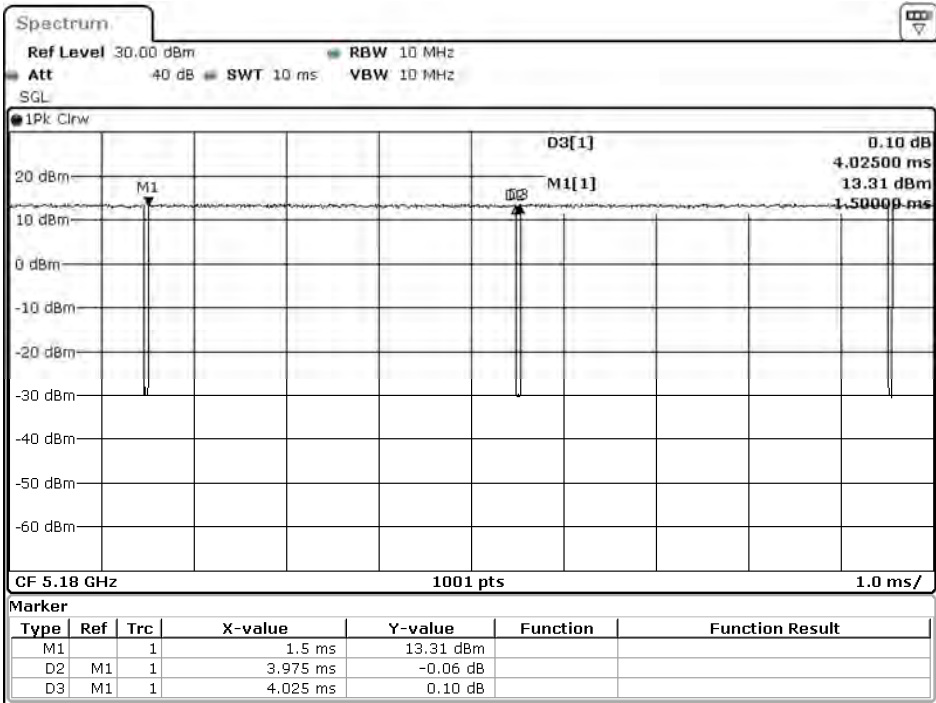
5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11 a	2.0850	2.1350	97.66	0.10
802.11 n20	3.9750	4.0250	98.76	0.05
802.11 n40	3.9750	4.0150	99.00	0.04
802.11 ac80	3.9650	4.0150	98.75	0.05
802.11 ac160	3.9550	4.0050	98.75	0.05
802.11 ax20	2.5750	2.6150	98.47	0.07
802.11 ax40	2.5850	2.6250	98.48	0.07
802.11 ax80	2.5850	2.6250	98.48	0.07
802.11 ax160	2.5950	2.6350	98.48	0.07
802.11 ax20-26/0-RU	2.5850	2.6250	98.48	0.07
802.11 ax20-52/37-RU	2.5850	2.6250	98.48	0.07
802.11 ax20-106/53-RU	2.5850	2.6250	98.48	0.07
802.11 ax40-242/61-RU	2.5850	2.6350	98.10	0.08
802.11 ax80-484/65-RU	2.5850	2.6350	98.10	0.08
802.11 ax160-996/67-RU	2.5850	2.6350	98.10	0.08

802.11a – SISO B



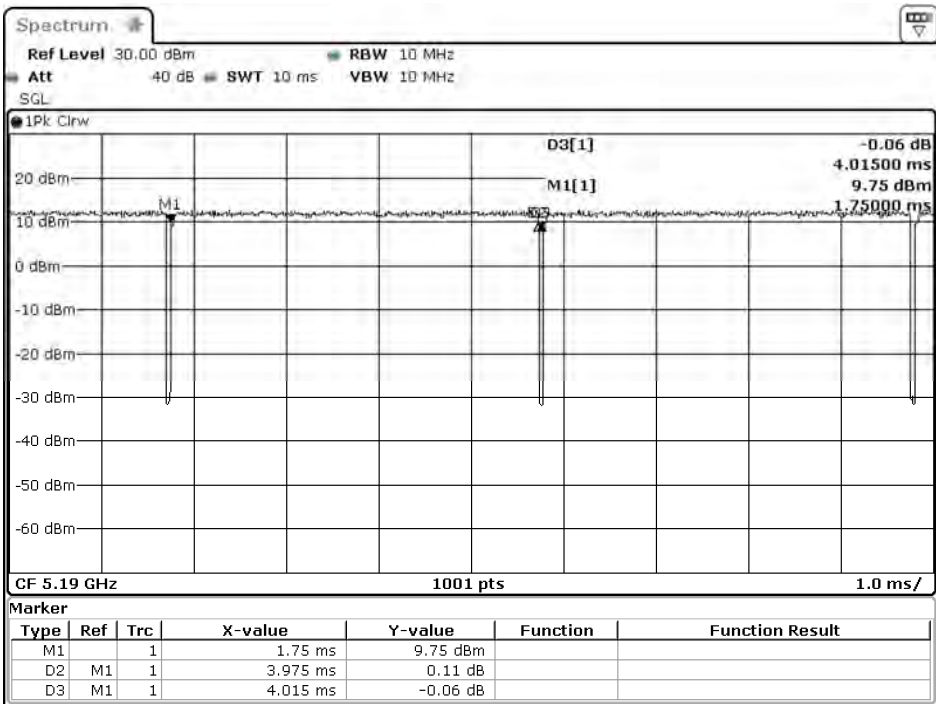
Date: 1.SEP.2021 11:10:20

802.11n20 – SISO B



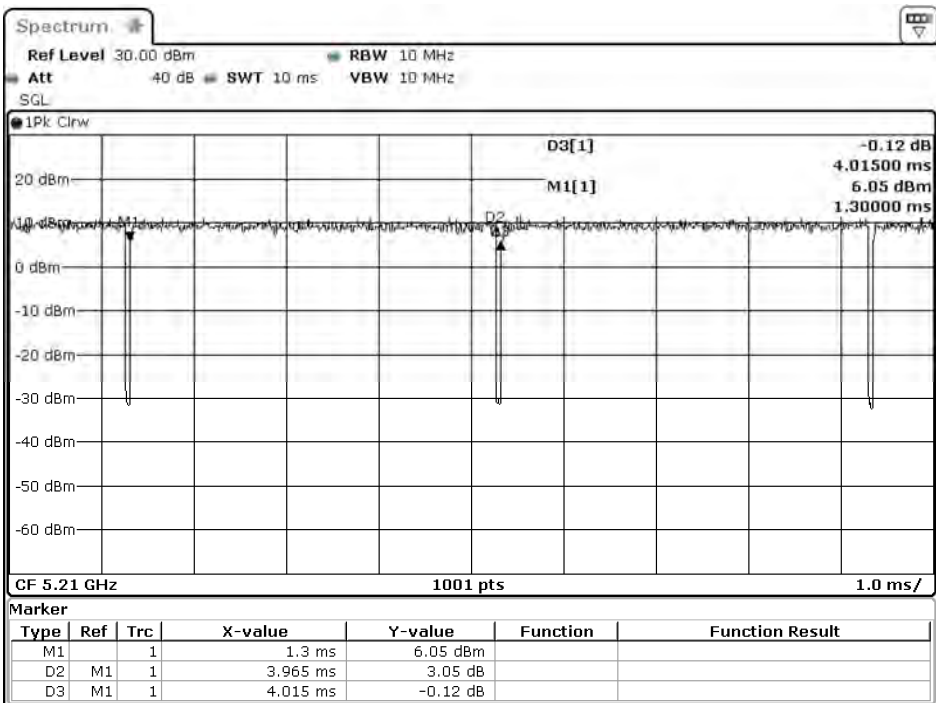
Date: 1.SEP.2021 11:11:12

802.11n40 – SISO B



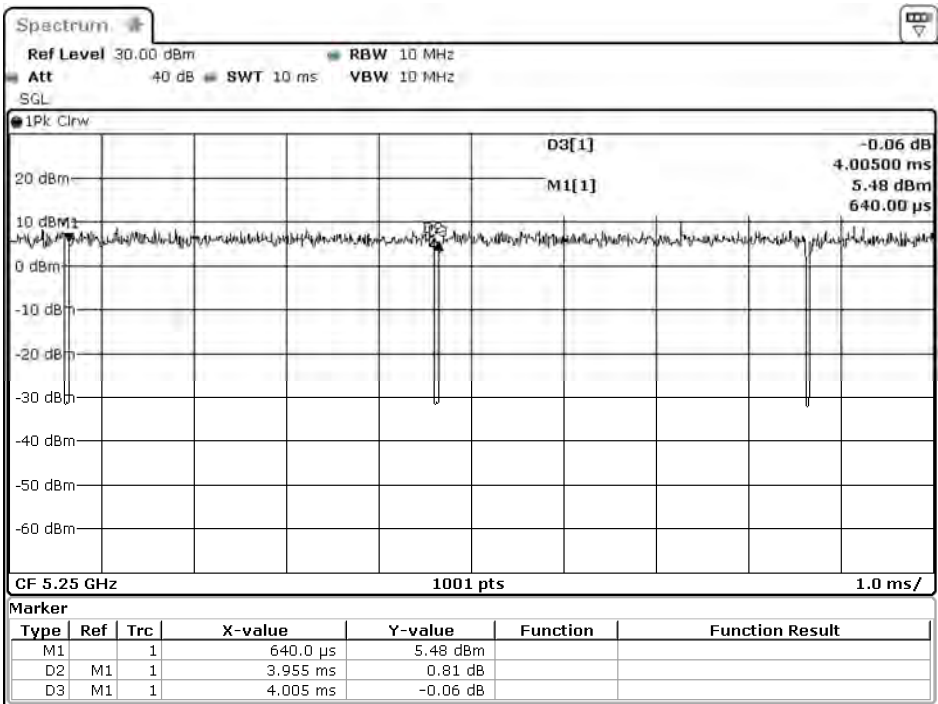
Date: 1.SEP.2021 11:12:02

802.11ac80 – SISO B



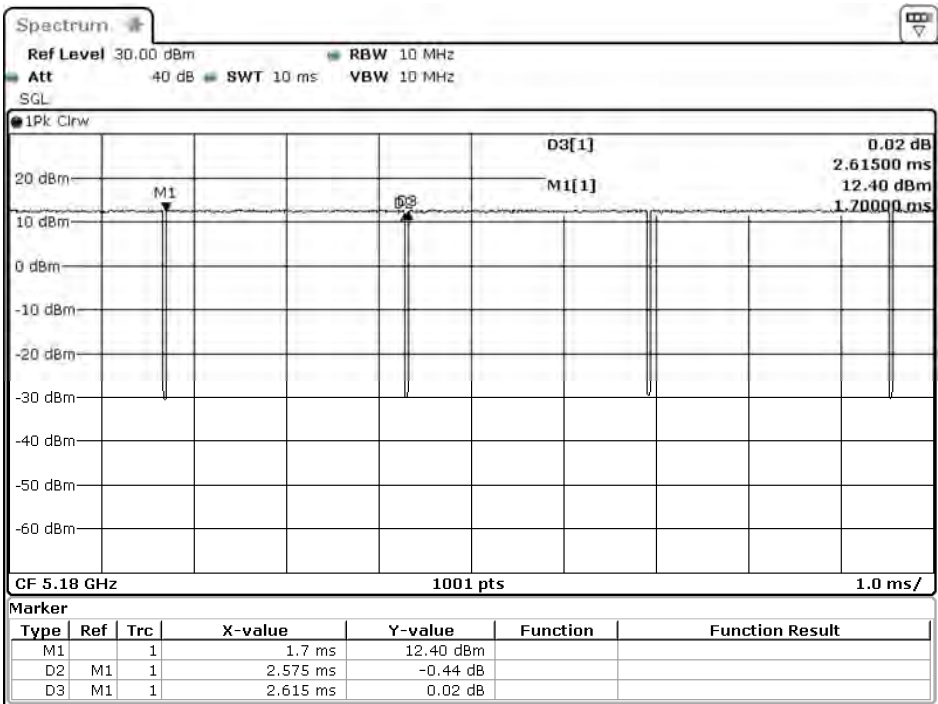
Date: 1.SEP.2021 11:12:49

802.11ac160 – SISO B



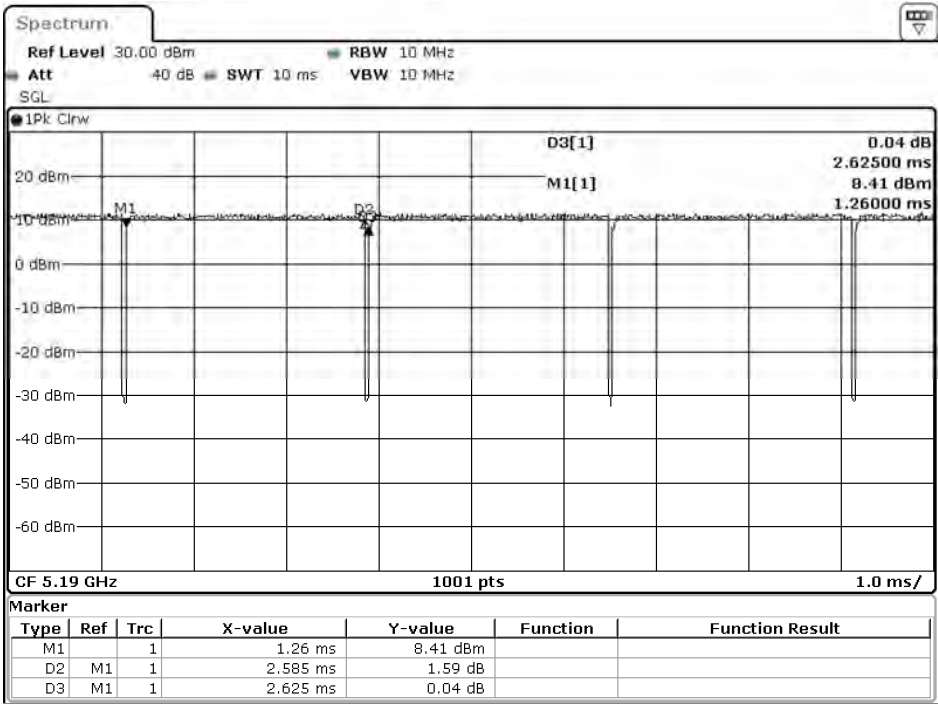
Date: 1.SEP.2021 11:13:35

802.11ax20 – SISO B



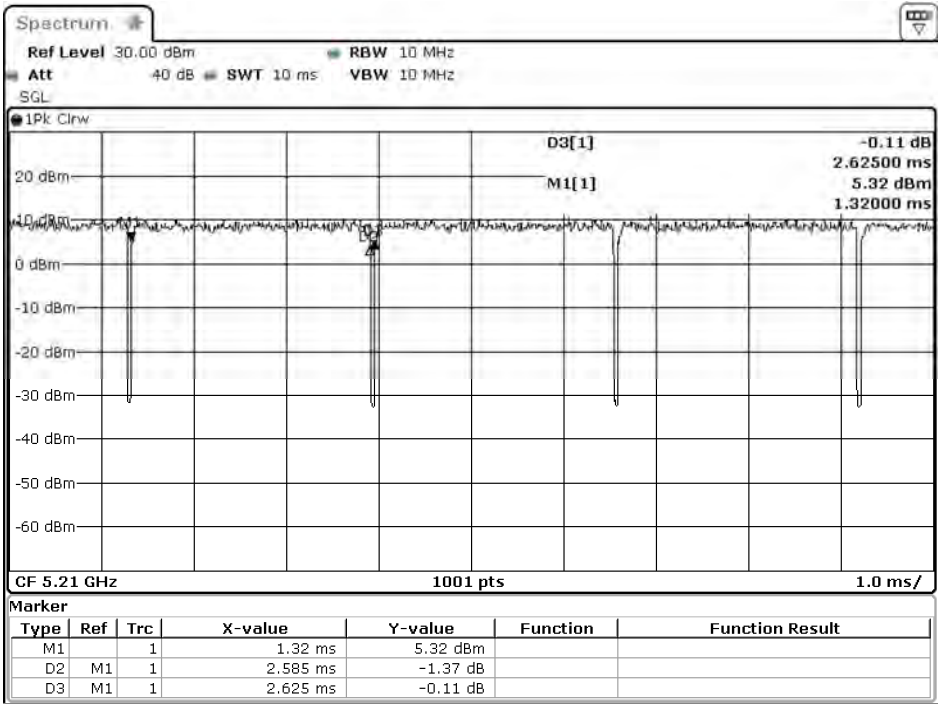
Date: 1.SEP.2021 13:50:09

802.11ax40 – SISO B



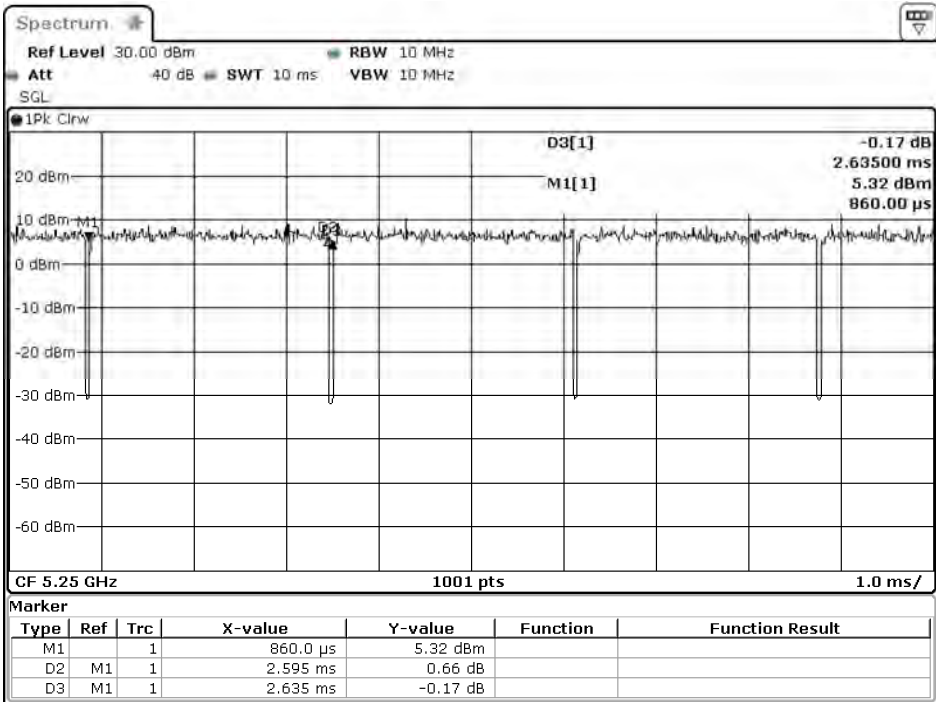
Date: 2.SEP.2021 04:27:44

802.11ax80 – SISO B



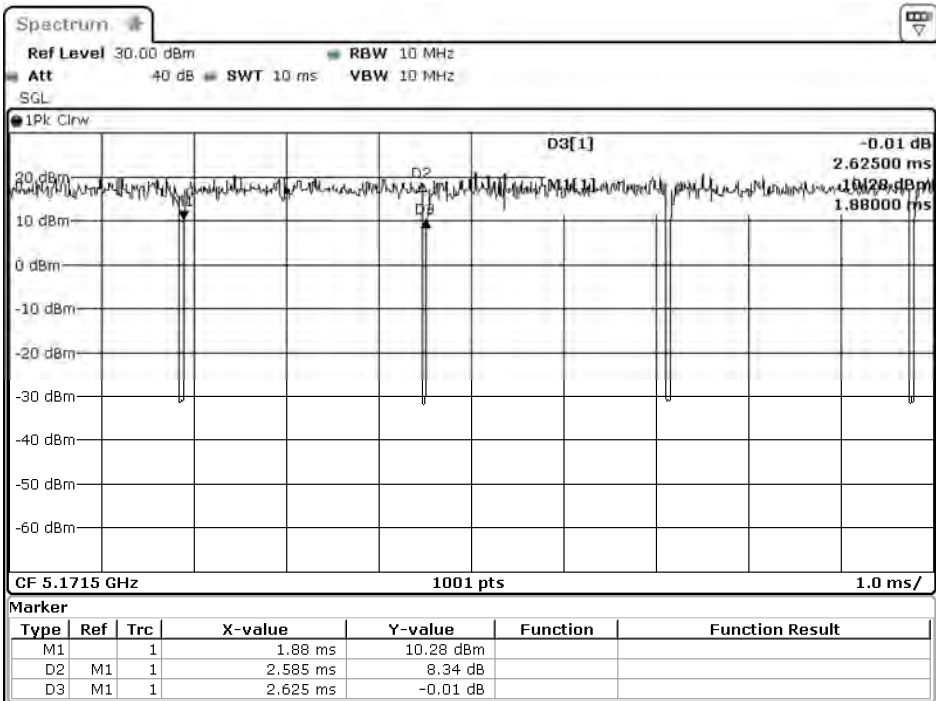
Date: 2.SEP.2021 04:29:48

802.11ax160 – SISO B



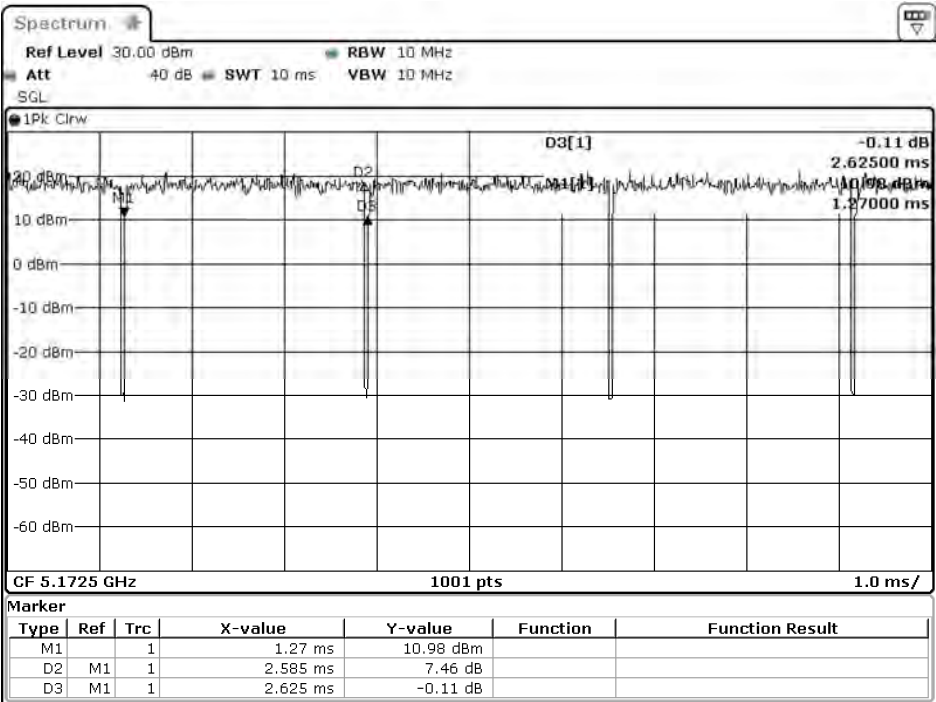
Date: 1.SEP.2021 13:39:51

802.11ax20-26/0-RU – SISO B



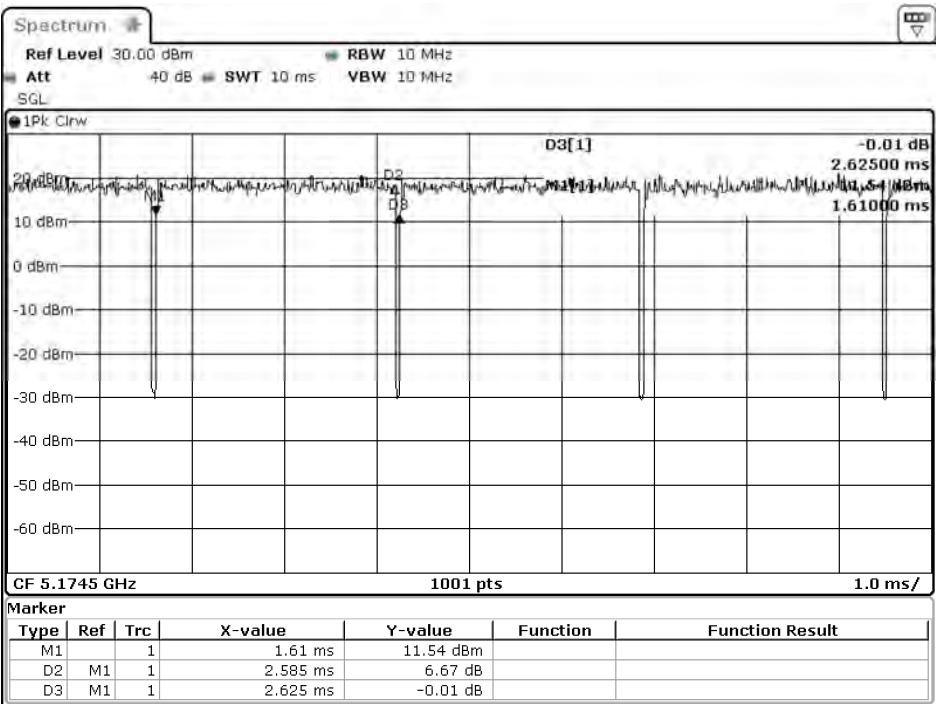
Date: 1.SEP.2021 11:22:11

802.11ax20-52/37-RU – SISO B



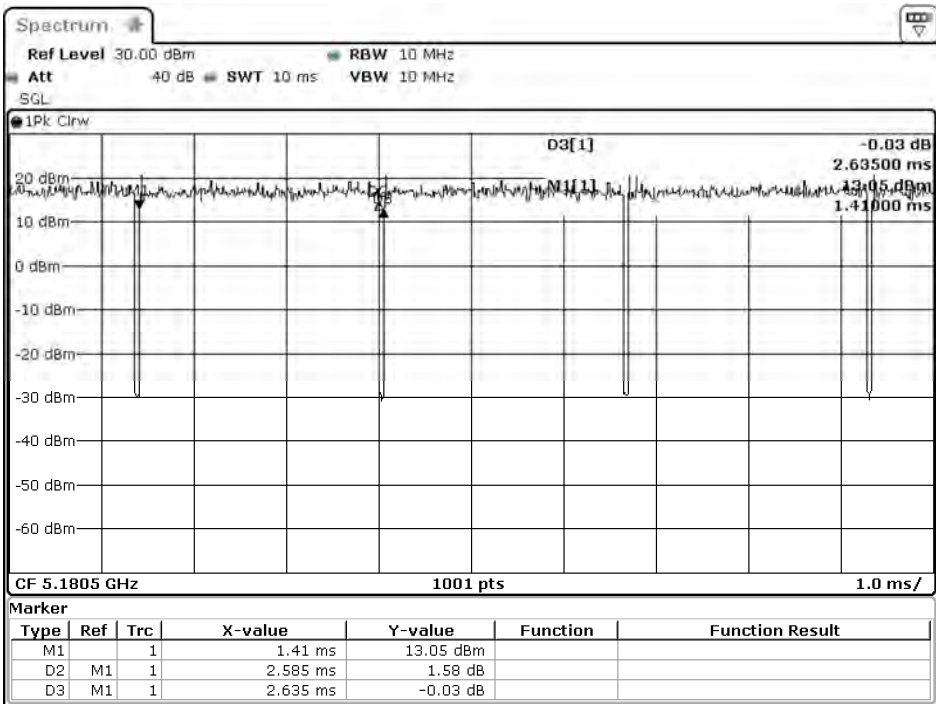
Date: 1.SEP.2021 11:23:33

802.11ax20-106/53-RU – SISO B



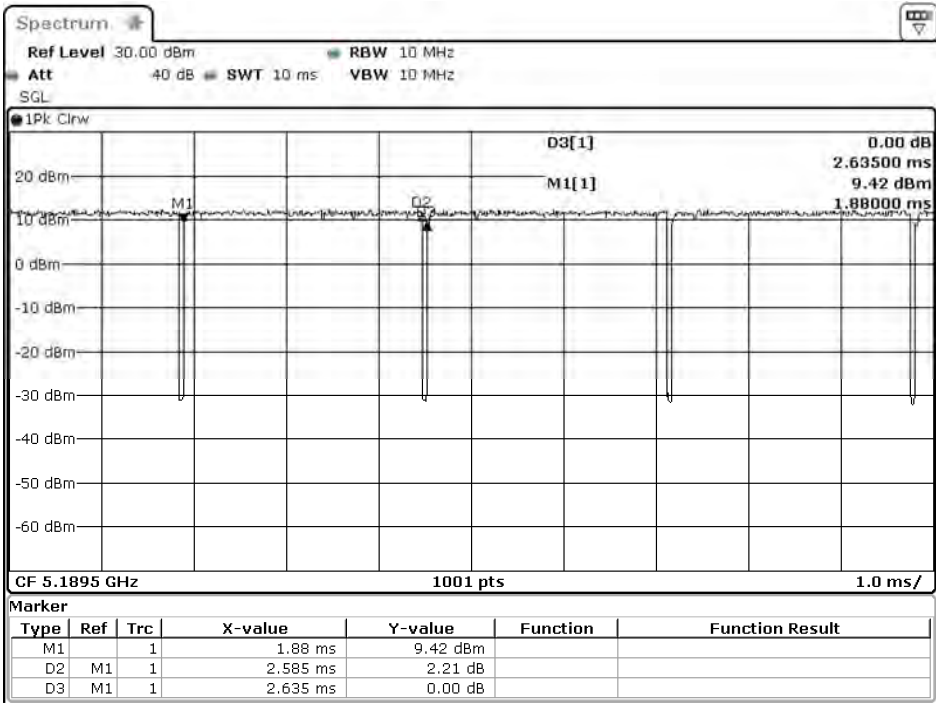
Date: 1.SEP.2021 11:24:51

802.11ax40-242/61-RU – SISO B



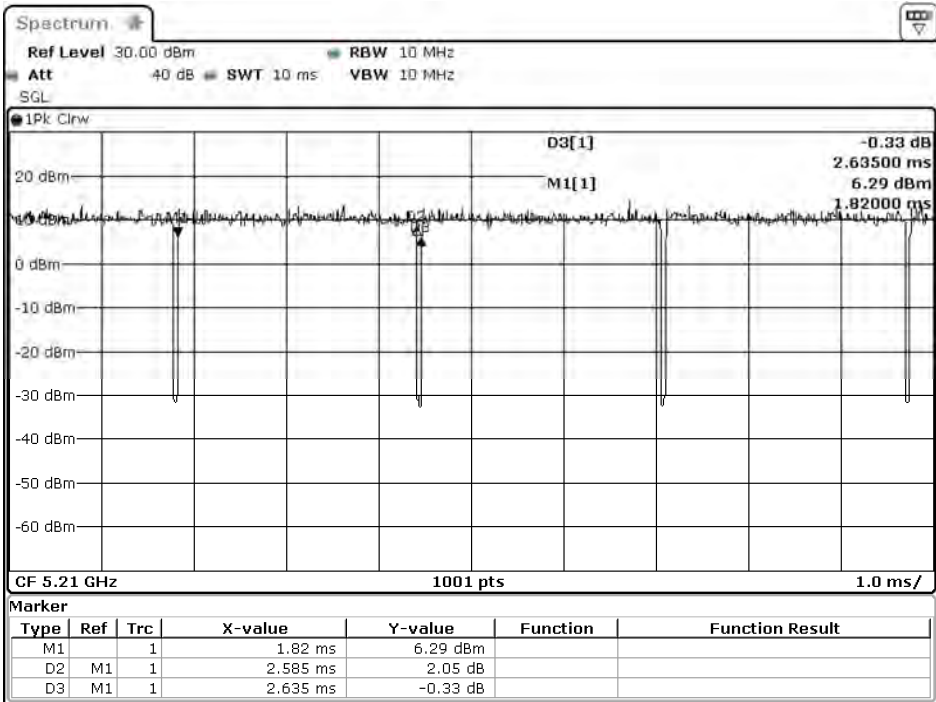
Date: 1.SEP.2021 11:26:26

802.11ax80-484/65-RU – SISO B



Date: 1.SEP.2021 11:28:31

802.11ax160-996/67-RU – SISO B



Date: 1.SEP.2021 11:30:00

Product : Intel® Wi-Fi 6E AX211
 Test Item : Duty Cycle
 Test Mode : Transmit

Duty Cycle Formula:

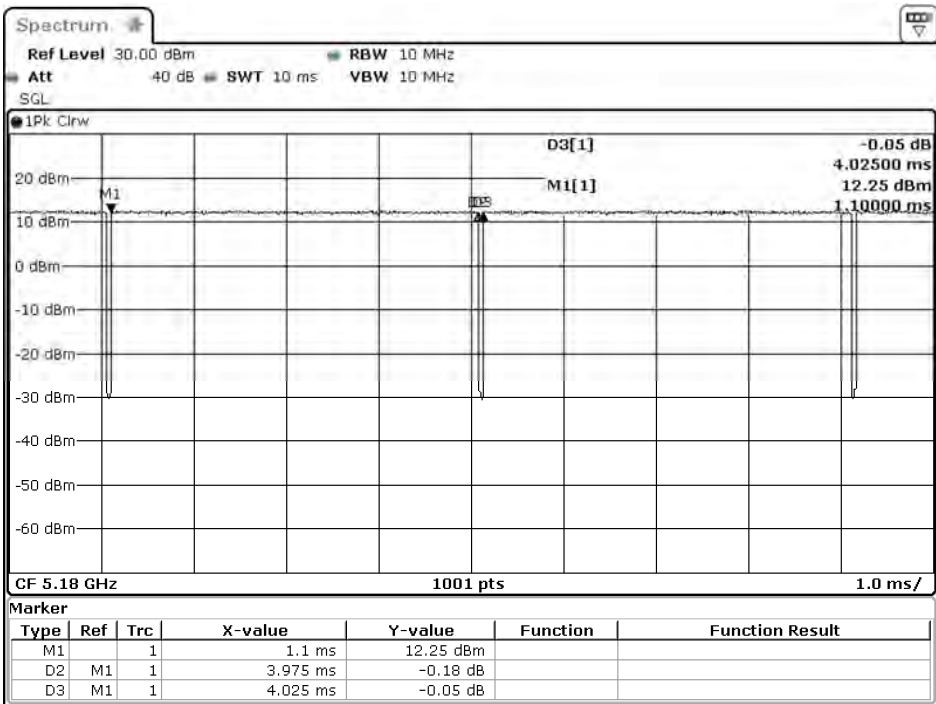
Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

Results: MIMO

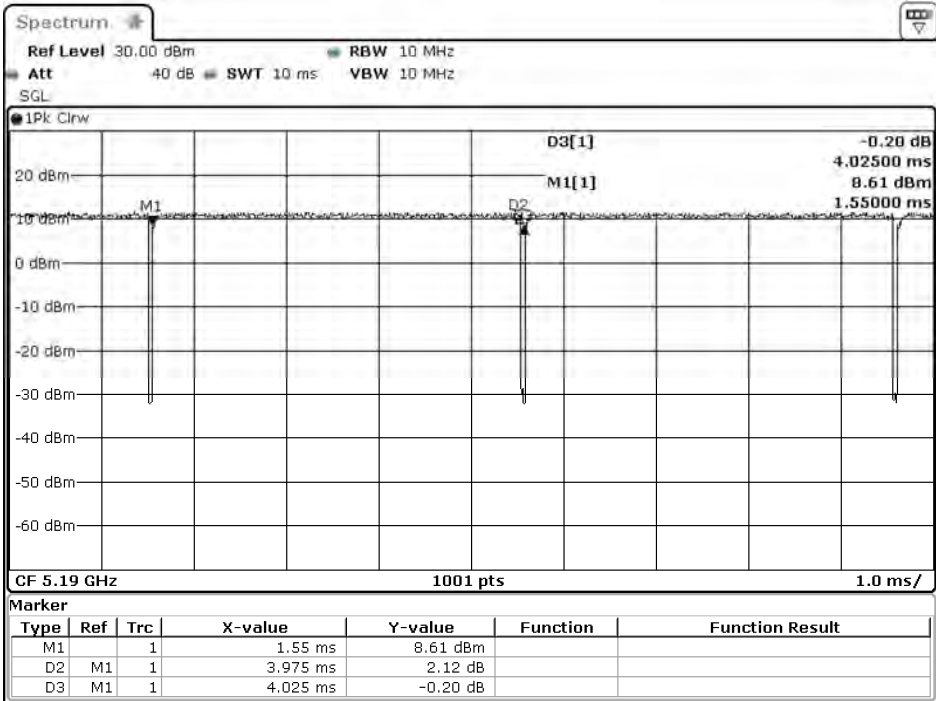
5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11 n20	3.9750	4.0250	98.76	0.05
802.11 n40	3.9750	4.0250	98.76	0.05
802.11 ac80	3.9650	4.0150	98.75	0.05
802.11 ac160	2.7750	2.8250	98.23	0.08
802.11 ax20	2.5850	2.6250	98.48	0.07
802.11 ax40	2.5650	2.6150	98.09	0.08
802.11 ax80	2.5850	2.6350	98.10	0.08
802.11 ax160	2.4050	2.4550	97.96	0.09
802.11 ax20-26/0-RU	2.5950	2.6350	98.48	0.07
802.11 ax20-52/37-RU	2.5850	2.6350	98.10	0.08
802.11 ax20-106/53-RU	2.5850	2.6350	98.10	0.08
802.11 ax40-242-61-RU	2.5950	2.6450	98.11	0.08
802.11 ax80-484-65-RU	2.5850	2.6350	98.10	0.08
802.11 ax160-996-67-RU	2.5850	2.6350	98.10	0.08

802.11n20 - MIMO



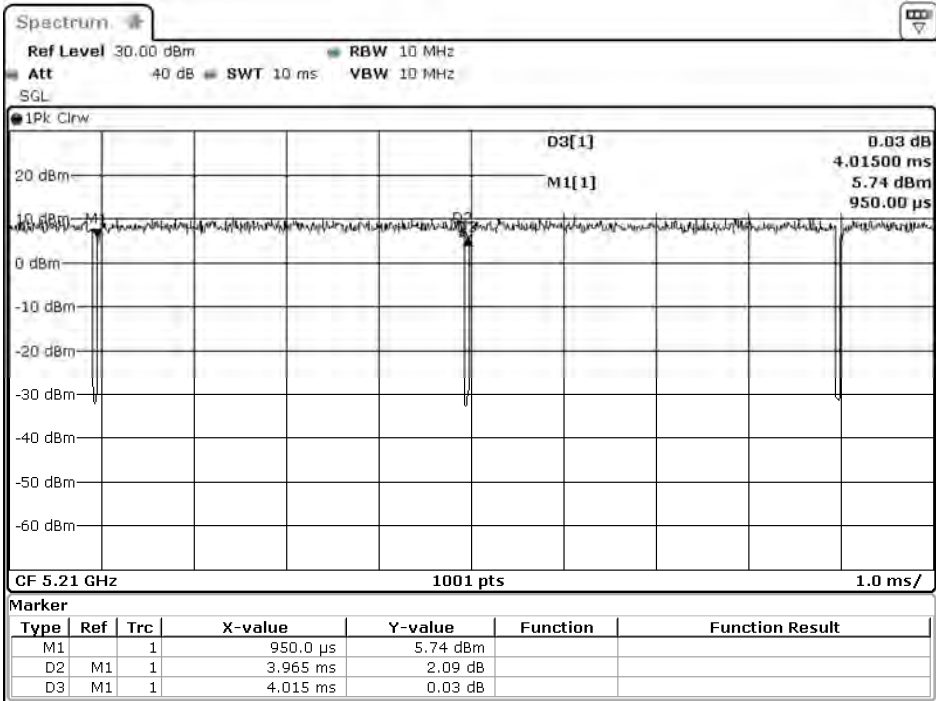
Date: 1.SEP.2021 13:08:49

802.11n40 - MIMO



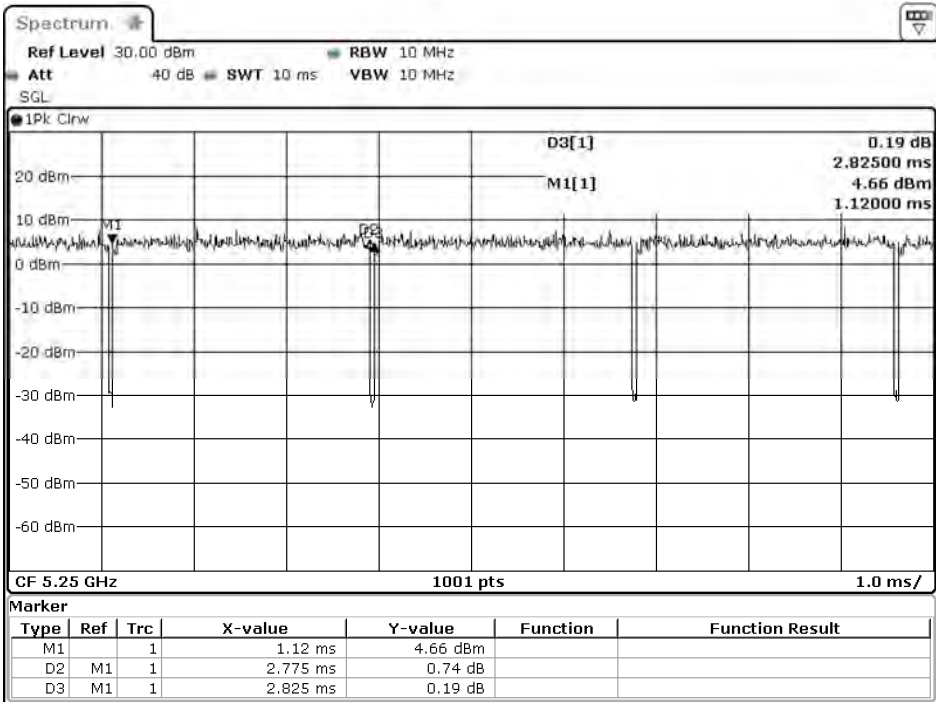
Date: 1.SEP.2021 13:09:27

802.11ac80 - MIMO



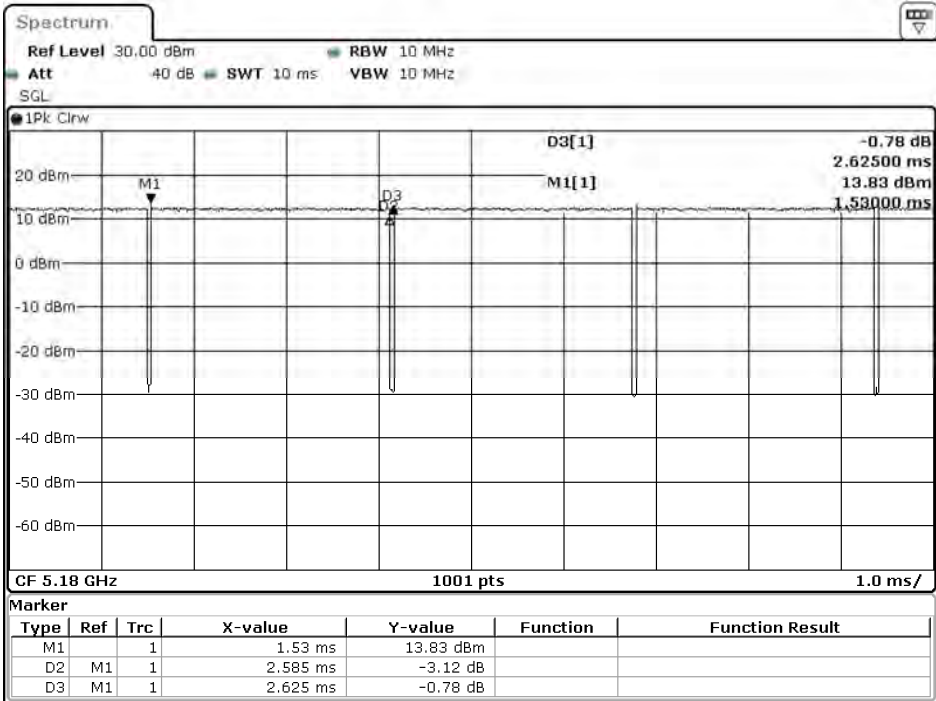
Date: 1.SEP.2021 13:11:12

802.11ac160 - MIMO



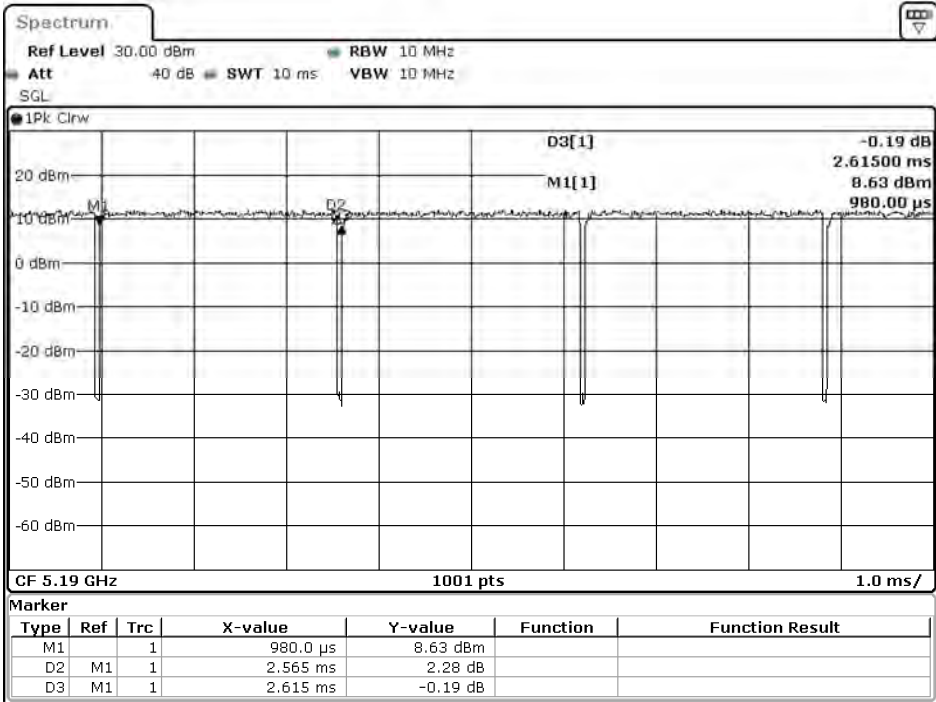
Date: 1.SEP.2021 13:12:01

802.11ax20 - MIMO



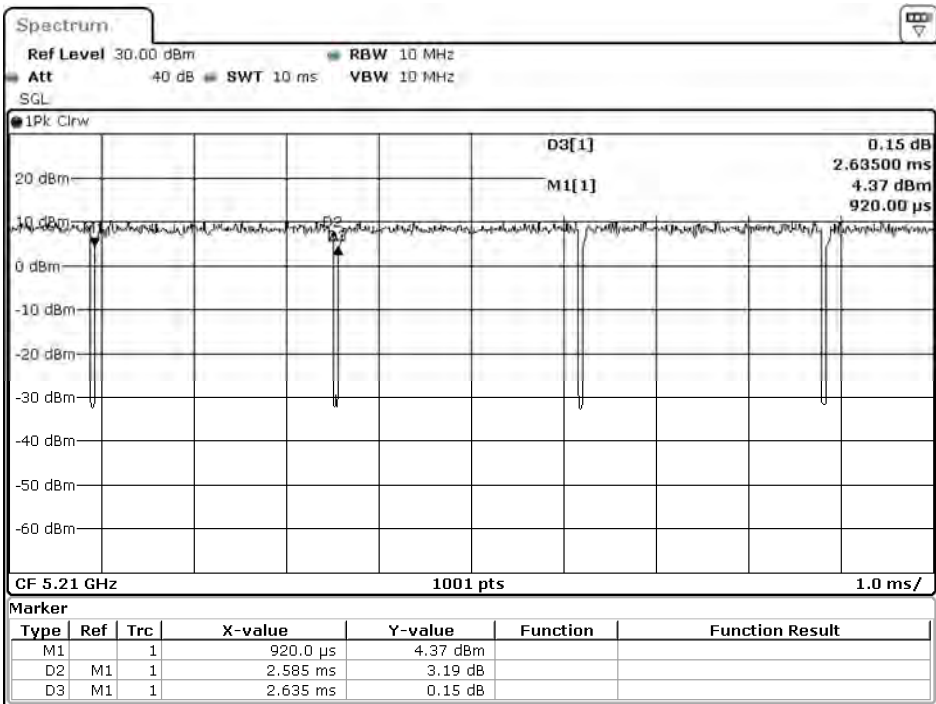
Date: 1.SEP.2021 13:51:25

802.11ax40 - MIMO



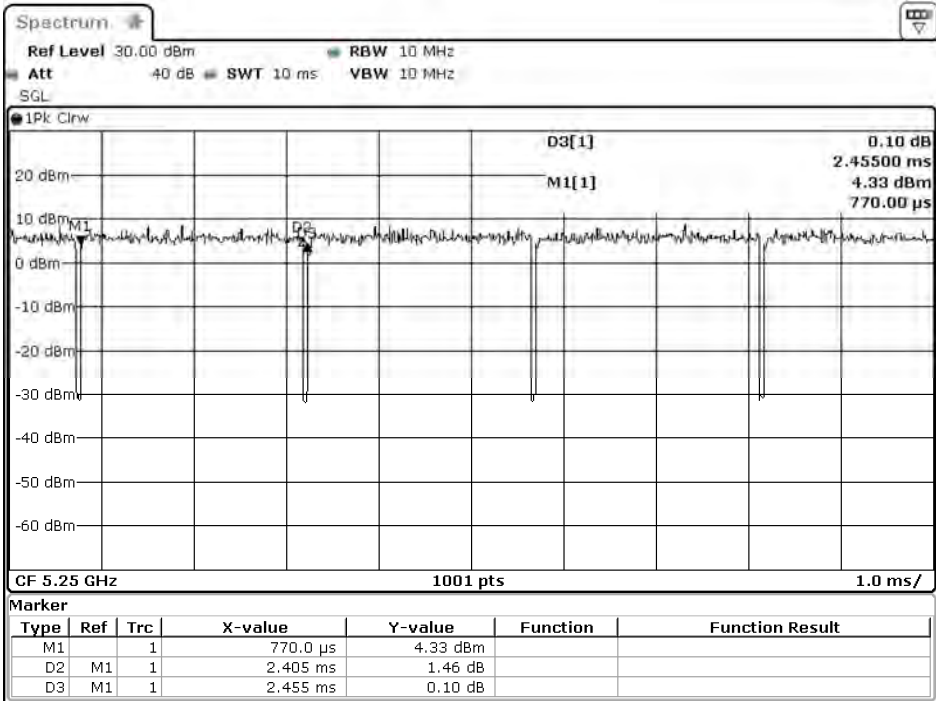
Date: 2.SEP.2021 04:26:04

802.11ax80 - MIMO



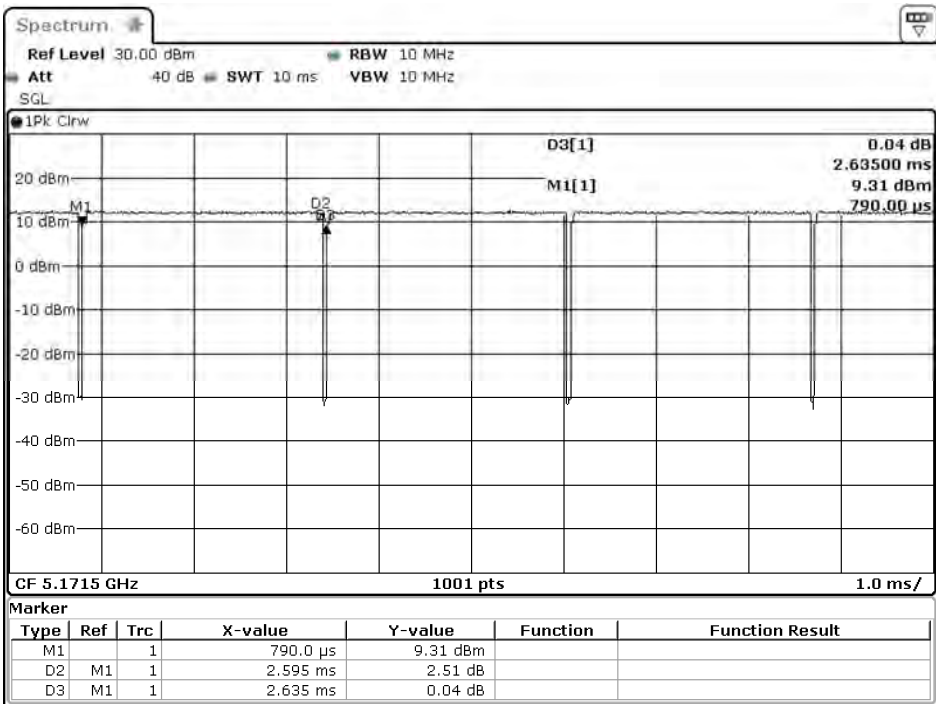
Date: 2.SEP.2021 04:30:52

802.11ax160 - MIMO



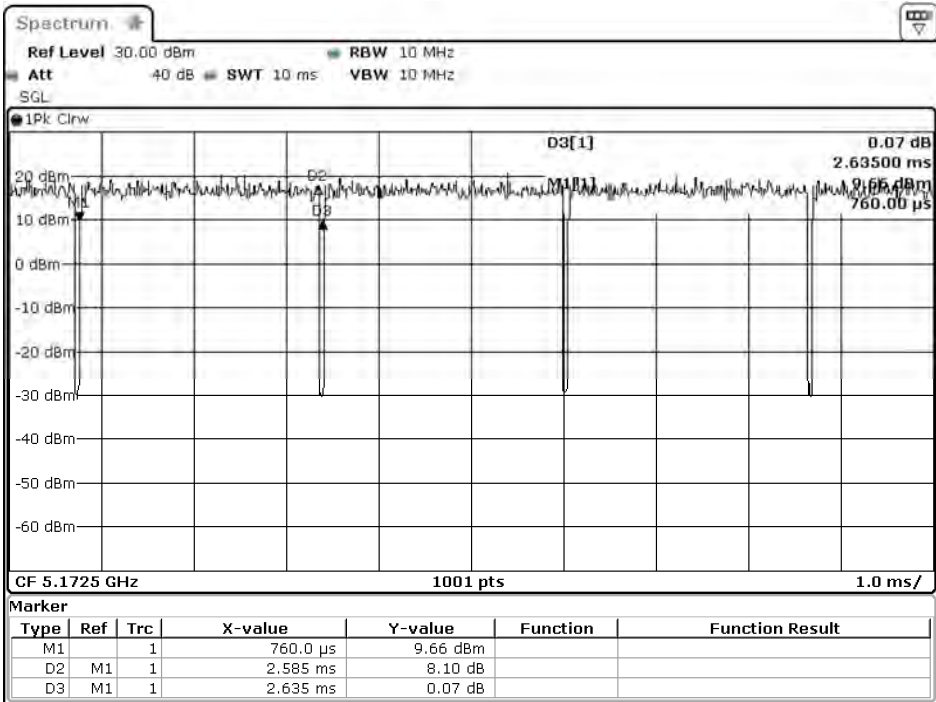
Date: 1.SEP.2021 13:16:56

802.11ax20-26/0-RU - MIMO



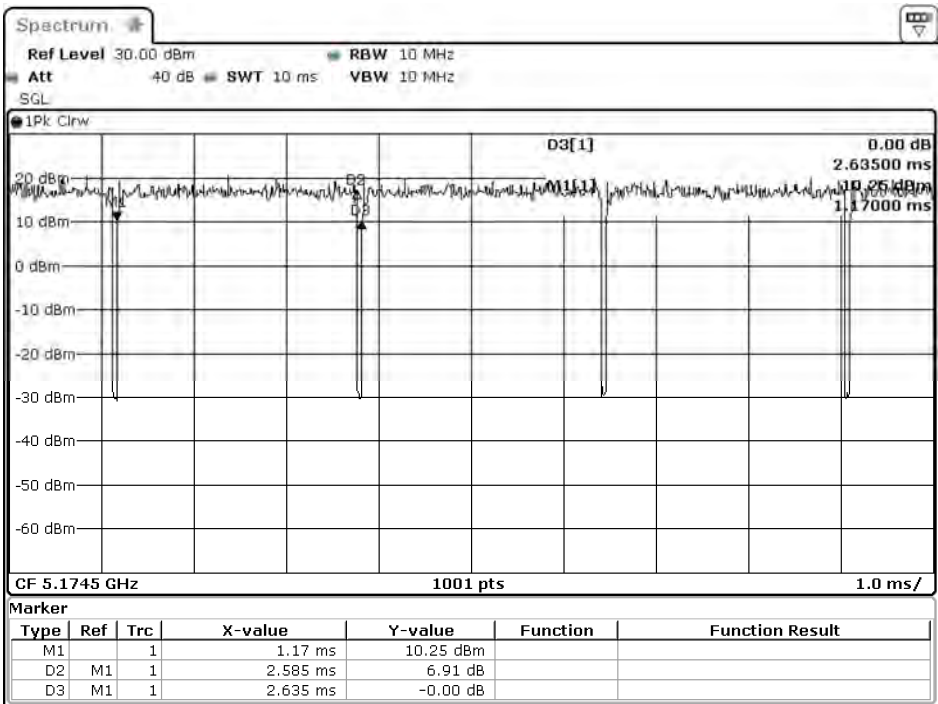
Date: 1.SEP.2021 13:19:00

802.11ax20-52/37-RU - MIMO



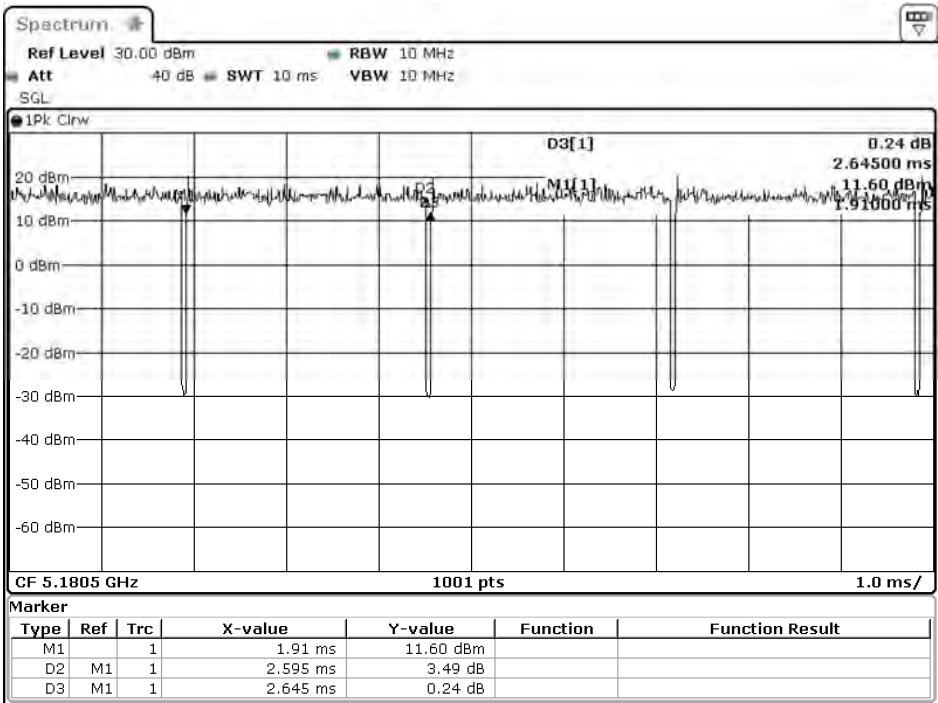
Date: 1.SEP.2021 13:28:33

802.11ax20-106/53-RU - MIMO



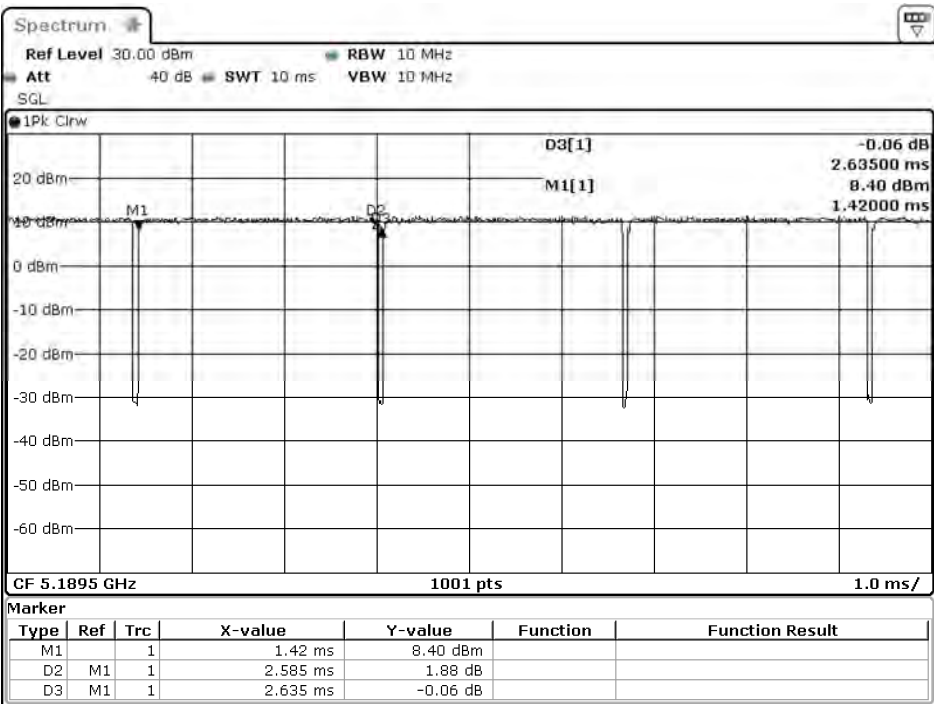
Date: 1.SEP.2021 13:29:39

802.11ax40-242/61-RU - MIMO



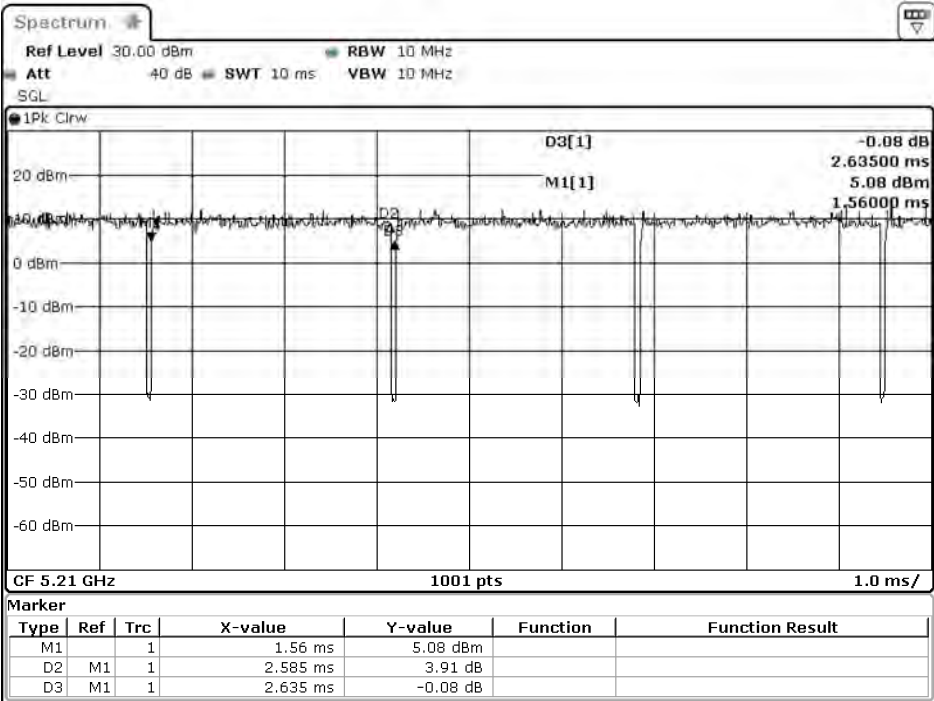
Date: 1.SEP.2021 13:31:01

802.11ax80-484/65-RU - MIMO



Date: 1.SEP.2021 13:32:41

802.11ax160-996/67-RU - MIMO



Date: 1.SEP.2021 13:33:54

6. EMI Reduction Method During Compliance Testing

No modification was made during testing.