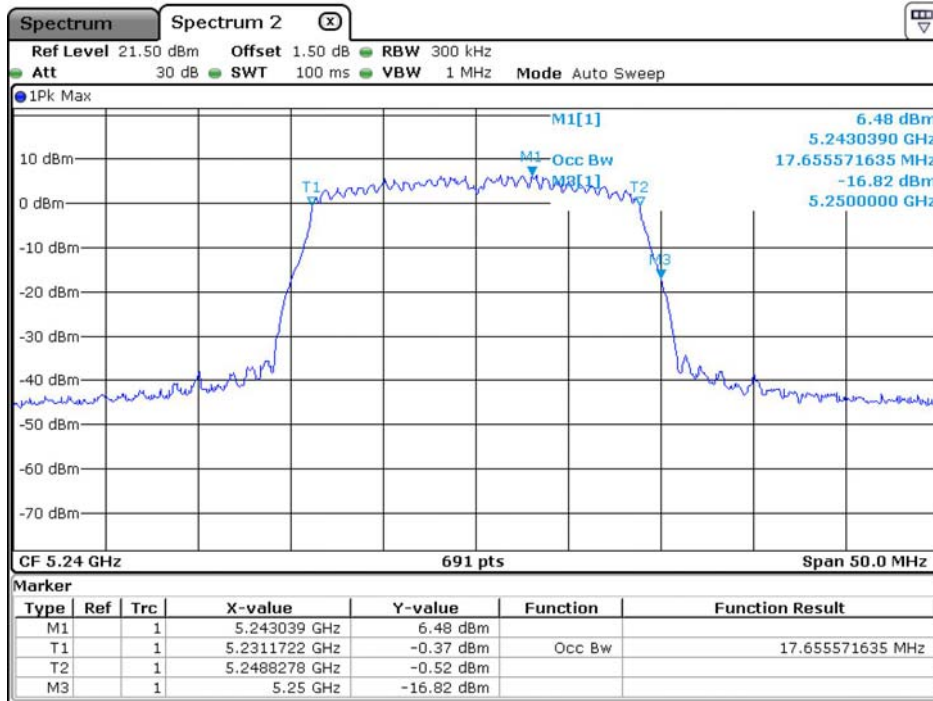
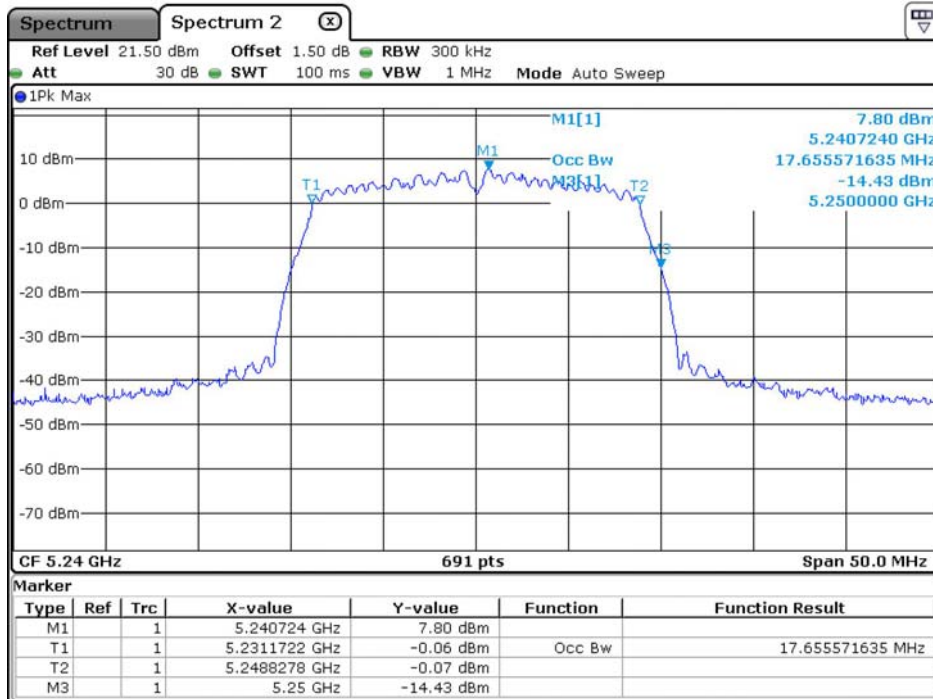


### Chain B



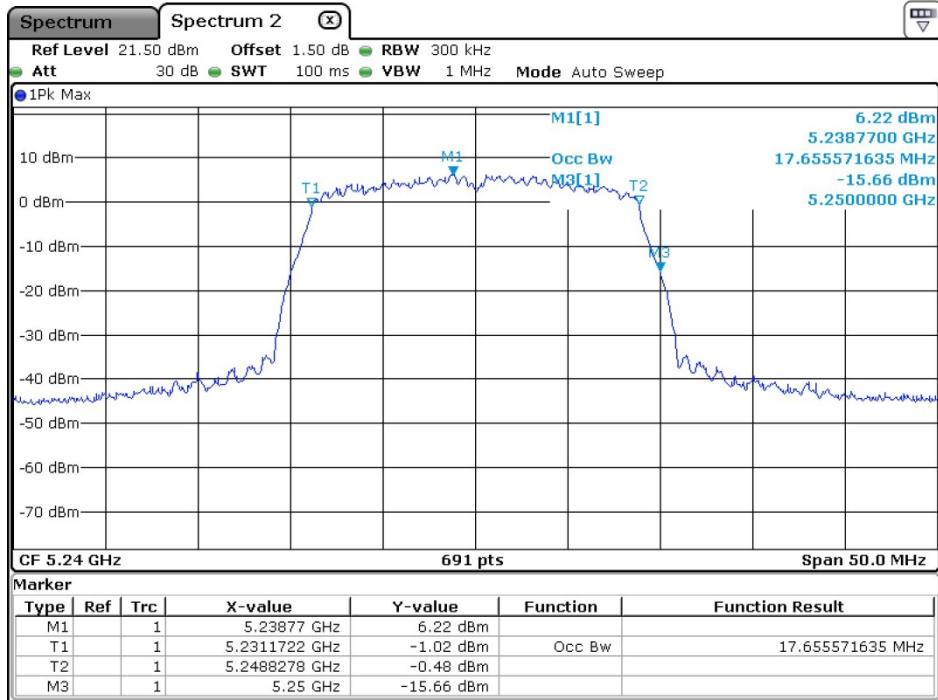
Date: 12.NOV.2020 11:12:06

### Chain C



Date: 12.NOV.2020 11:10:49

### Chain D



Date: 12.NOV.2020 11:09:34

Product : Gigabit LTE Multi-Service Router / LTE Dual-SIM Dual-Band Wireless VoIP VPN Router  
 Test Item : Band Edge Data  
 Test Mode : Mode 3: Transmit (802.11n/ac-40BW)

**Chain A**

Test Frequency (MHz)	Measurement Level (MHz)	Limit (MHz)	Result
5230	5248.09	<5250	PASS

**Chain B**

Test Frequency (MHz)	Measurement Level (MHz)	Limit (MHz)	Result
5230	5248.09	<5250	PASS

**Chain C**

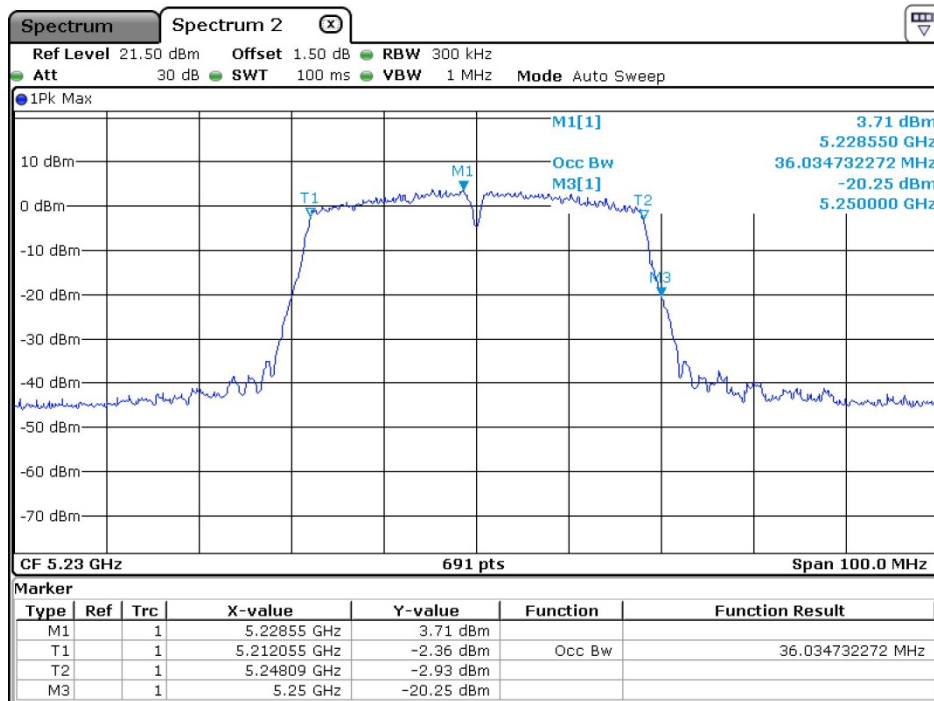
Test Frequency (MHz)	Measurement Level (MHz)	Limit (MHz)	Result
5230	5247.95	<5250	PASS

**Chain D**

Test Frequency (MHz)	Measurement Level (MHz)	Limit (MHz)	Result
5230	5247.95	<5250	PASS

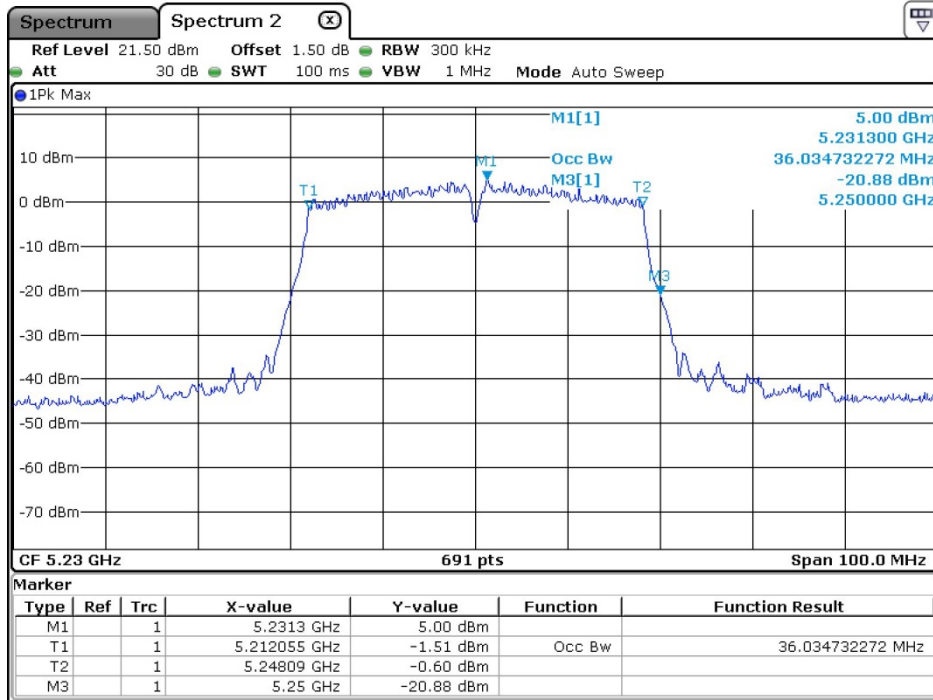
Note: The test item setting is 99% BW.

**Chain A**



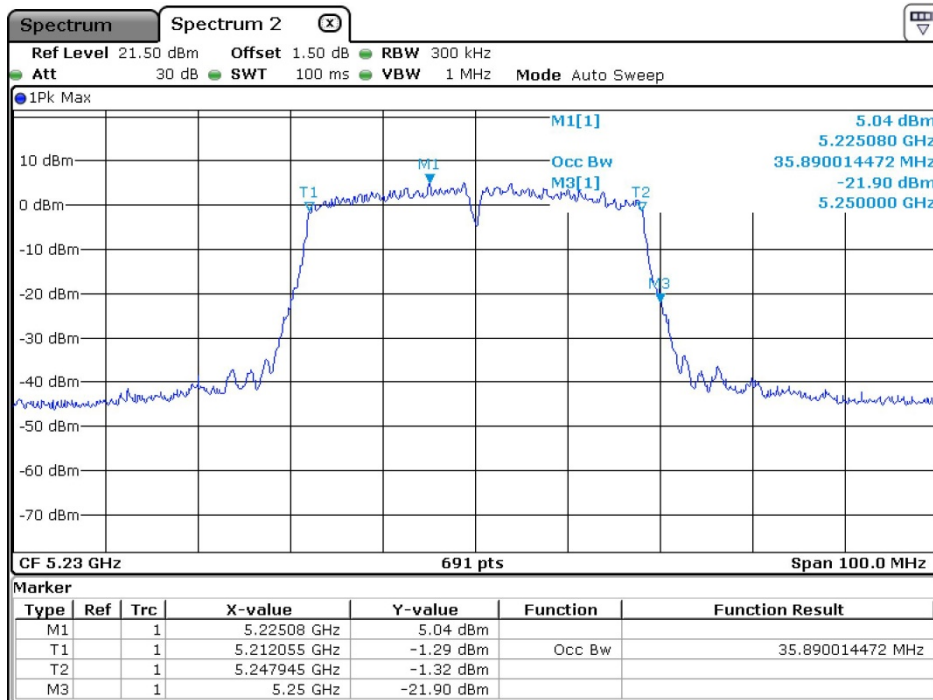
Date: 12.NOV.2020 11:15:11

### Chain B



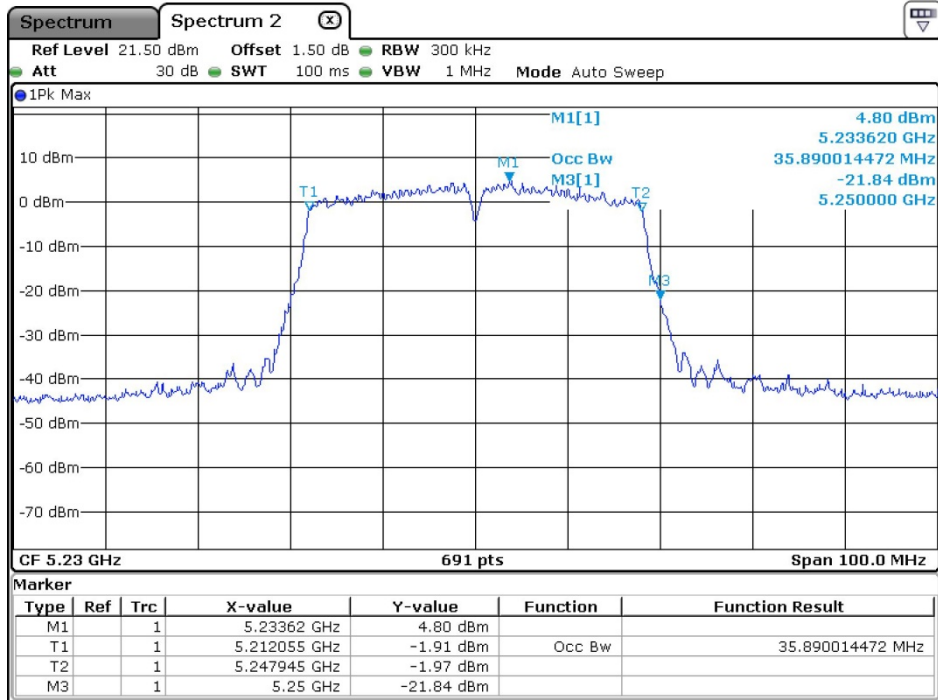
Date: 12.NOV.2020 11:16:48

### Chain C



Date: 12.NOV.2020 11:17:33

### Chain D



Date: 12.NOV.2020 11:18:23

Product : Gigabit LTE Multi-Service Router / LTE Dual-SIM Dual-Band Wireless VoIP VPN Router  
 Test Item : Band Edge Data  
 Test Mode : Mode 4: Transmit (802.11ac-80BW)

**Chain A**

Test Frequency (MHz)	Measurement Level (MHz)	Limit (MHz)	Result
5210	5247.92	<5250	PASS

**Chain B**

Test Frequency (MHz)	Measurement Level (MHz)	Limit (MHz)	Result
5210	5247.92	<5250	PASS

**Chain C**

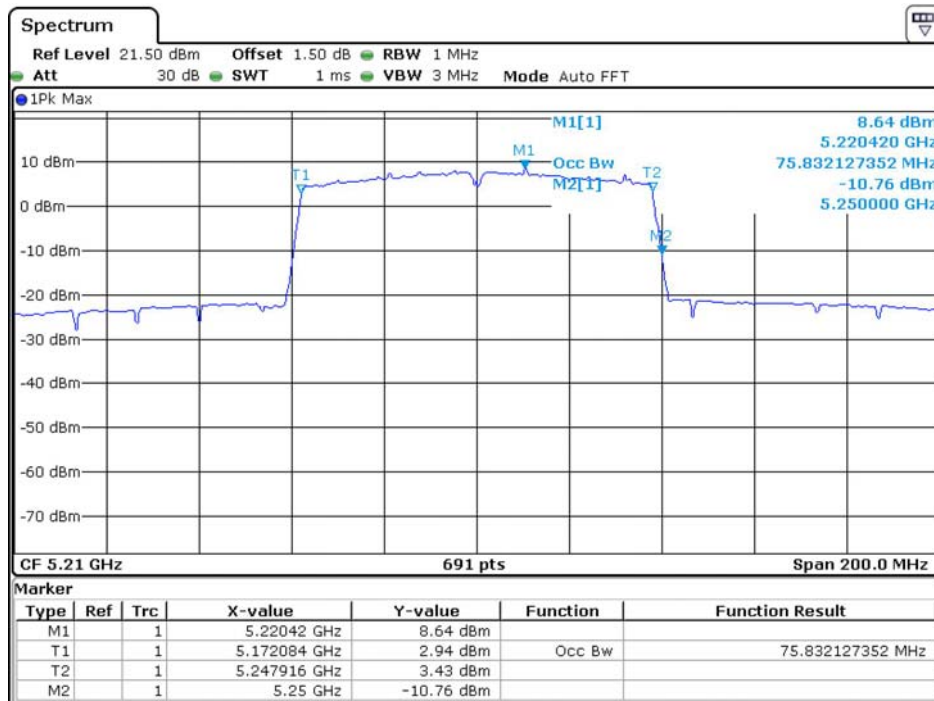
Test Frequency (MHz)	Measurement Level (MHz)	Limit (MHz)	Result
5210	5247.92	<5250	PASS

**Chain D**

Test Frequency (MHz)	Measurement Level (MHz)	Limit (MHz)	Result
5210	5247.92	<5250	PASS

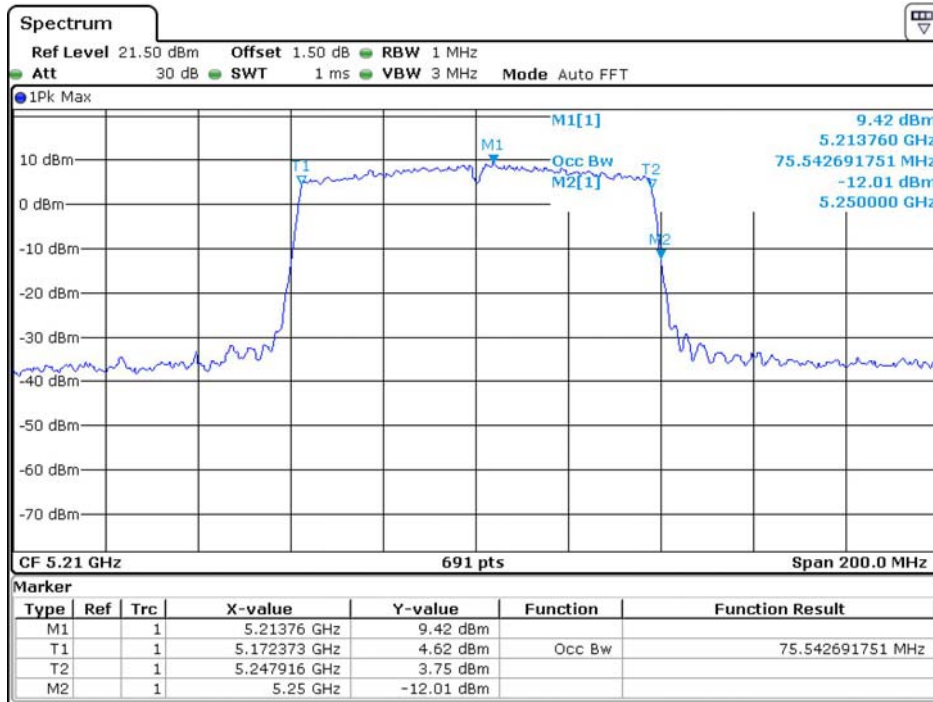
Note: The test item setting is 99% BW.

**Chain A**



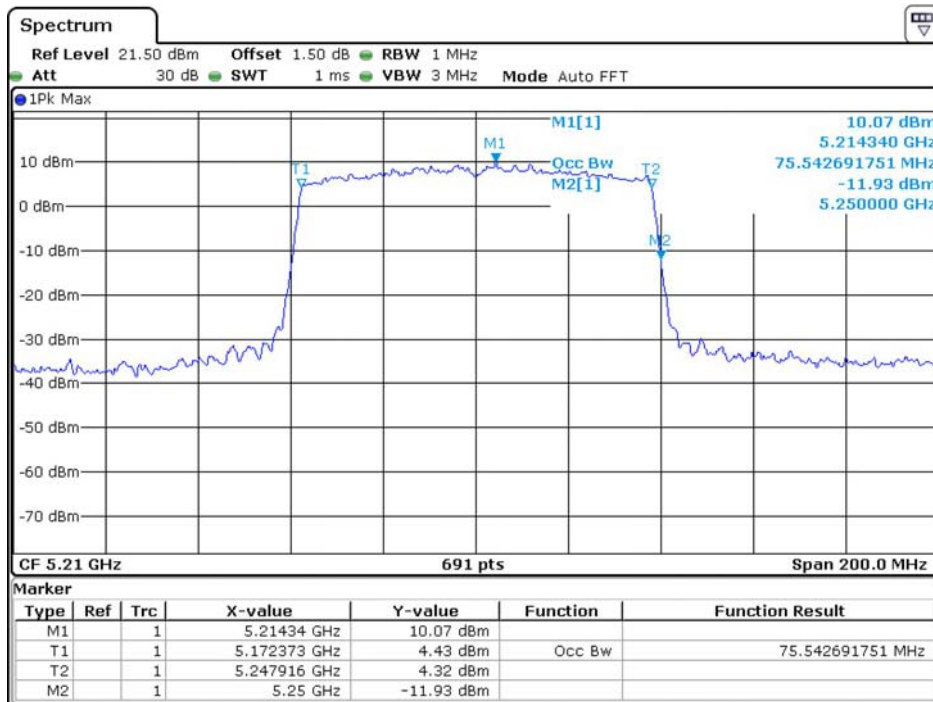
Date: 12.NOV.2020 11:24:53

### Chain B



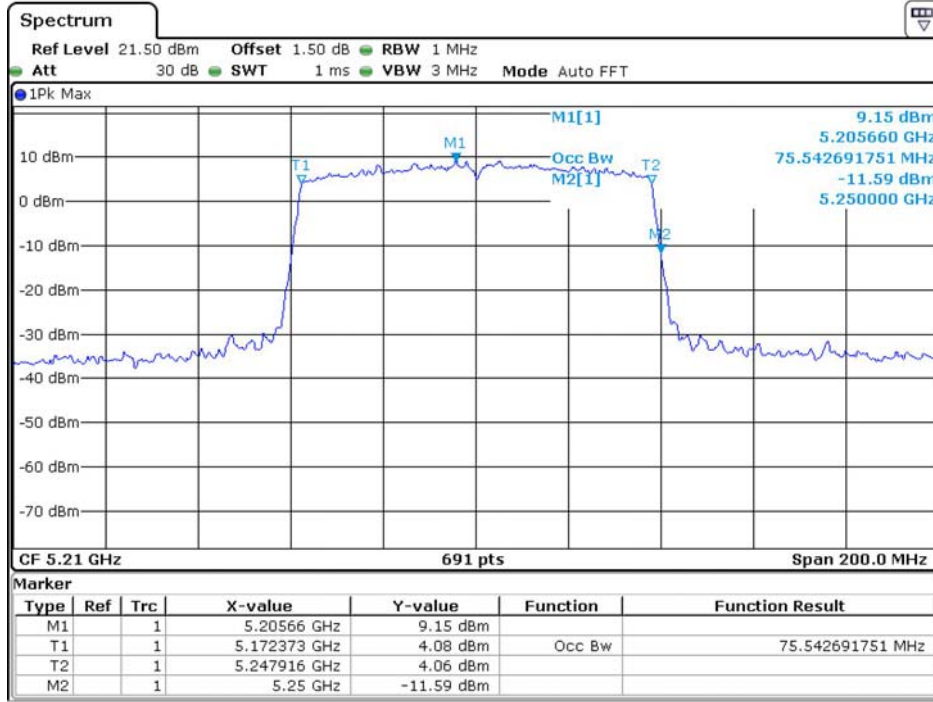
Date: 12.NOV.2020 11:24:01

### Chain C



Date: 12.NOV.2020 11:23:12

### Chain D

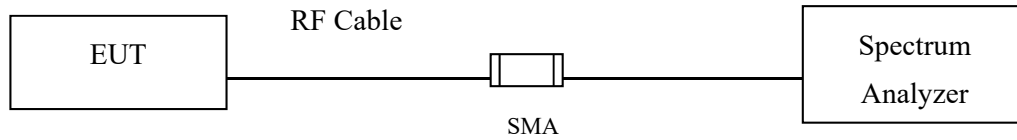


Date: 12.NOV.2020 11:22:15



## 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

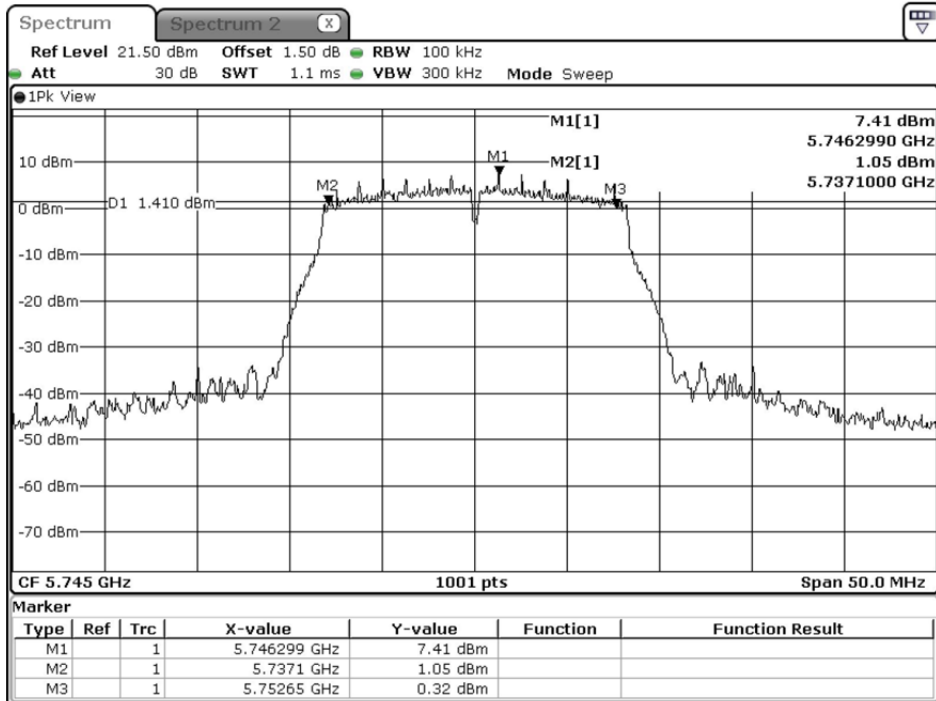
The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

#### 7.4. Test Result of Occupied Bandwidth

Product : Gigabit LTE Multi-Service Router / LTE Dual-SIM Dual-Band Wireless  
VoIP VPN Router  
Test Item : Occupied Bandwidth Data  
Test Mode : Mode 1: Transmit (802.11a)

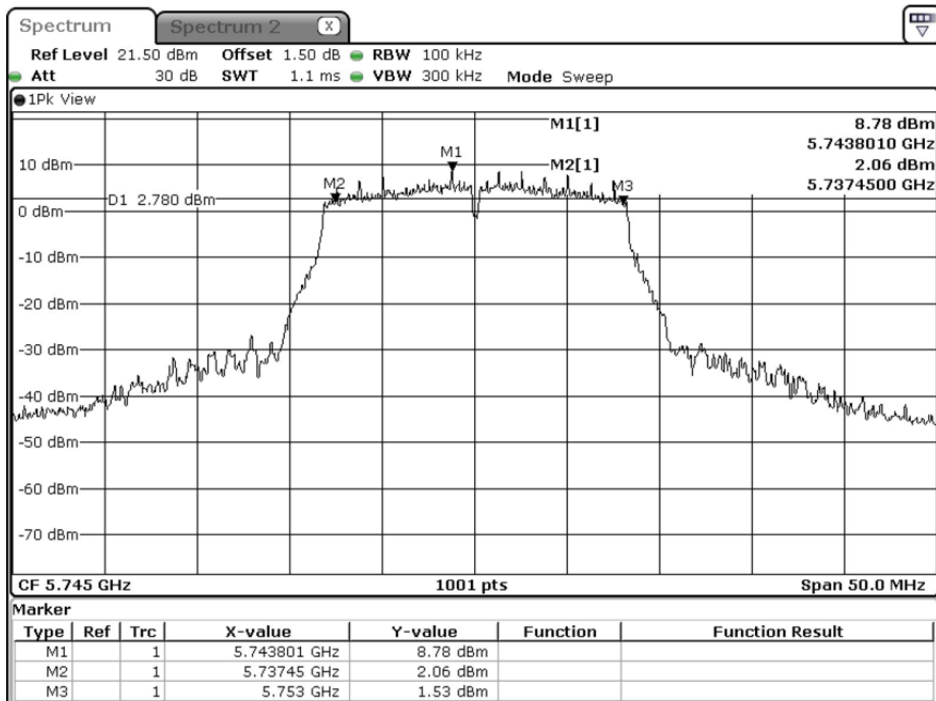
Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	A	15550	>500	Pass
157	5785	A	15400	>500	Pass
165	5825	A	15600	>500	Pass
149	5745	B	15550	>500	Pass
157	5785	B	15750	>500	Pass
165	5825	B	15900	>500	Pass
149	5745	C	15750	>500	Pass
157	5785	C	15200	>500	Pass
165	5825	C	15850	>500	Pass
149	5745	D	15600	>500	Pass
157	5785	D	16350	>500	Pass
165	5825	D	15400	>500	Pass

Figure Channel 149 (Chain A)



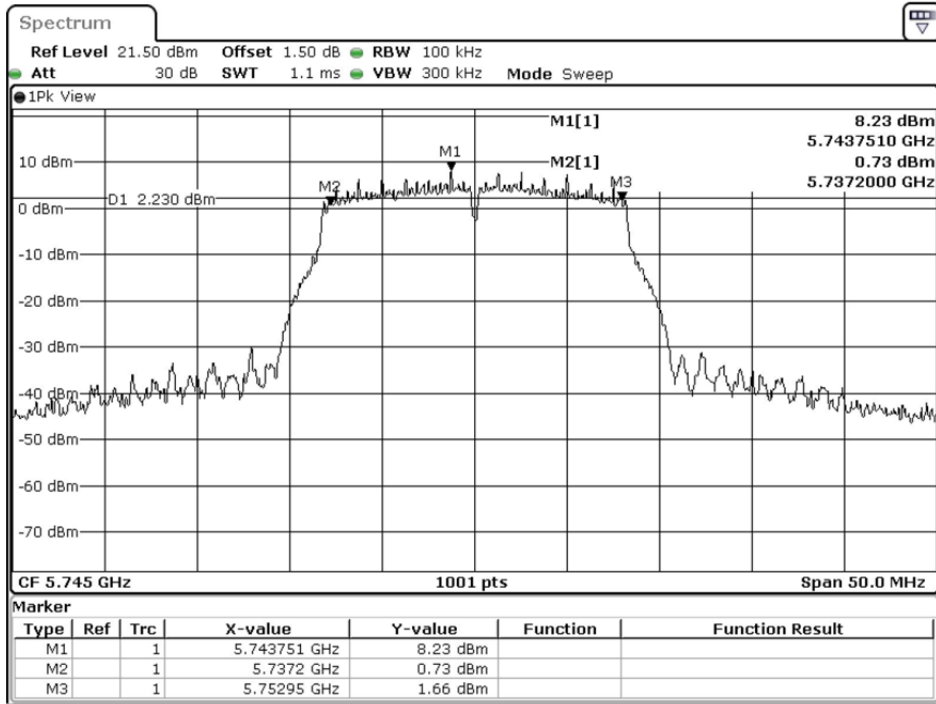
Date: 17.OCT.2020 15:21:50

Figure Channel 149 (Chain B)



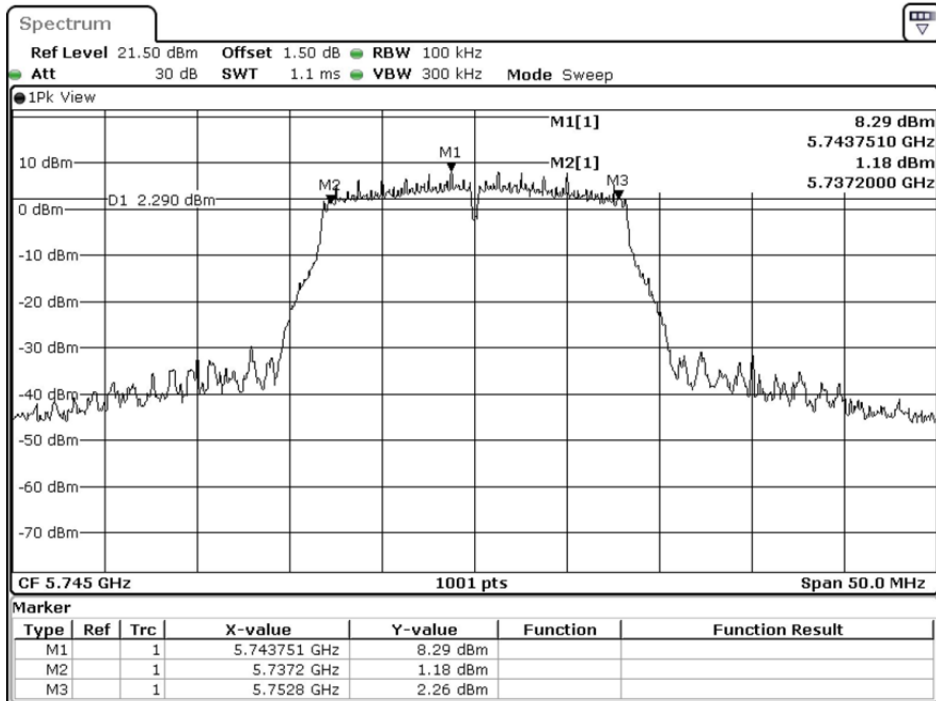
Date: 17.OCT.2020 16:32:56

Figure Channel 149 (Chain C)



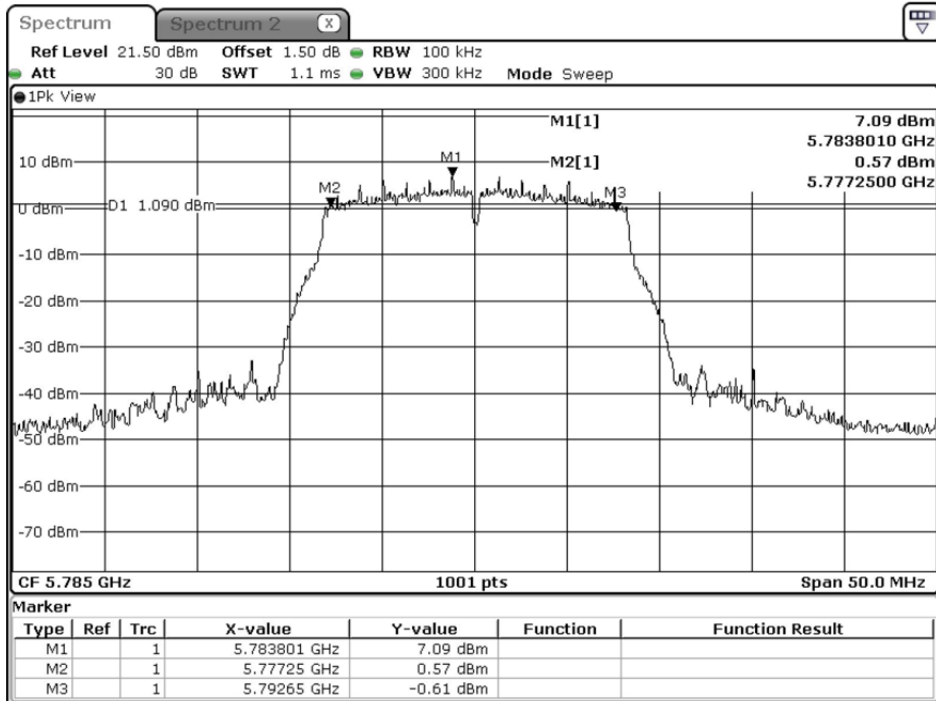
Date: 19.OCT.2020 10:06:02

Figure Channel 149 (Chain D)



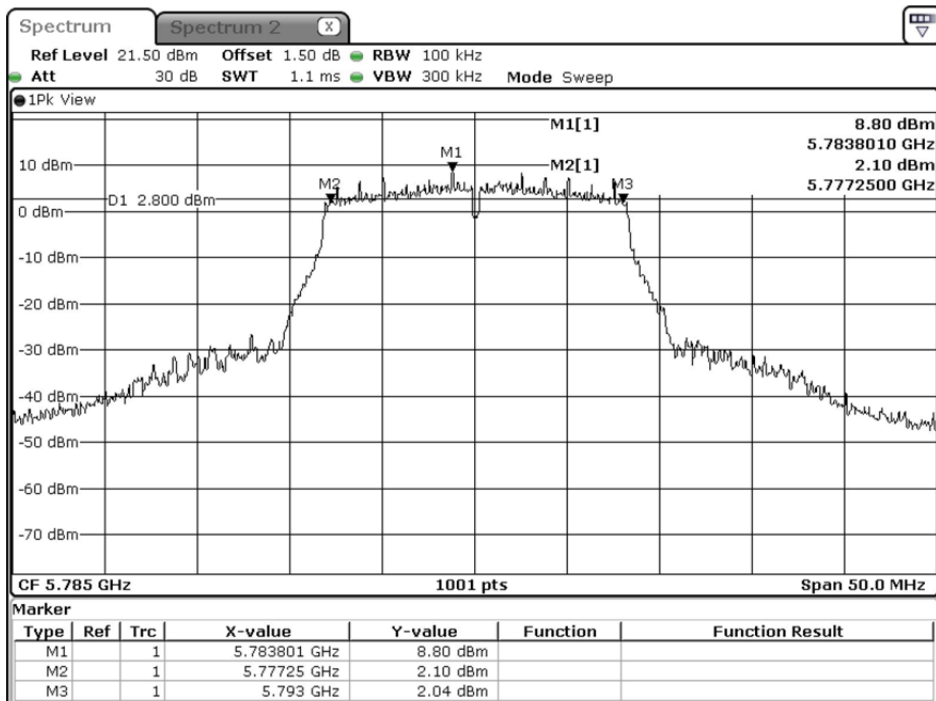
Date: 19.OCT.2020 11:09:14

Figure Channel 157 (Chain A)



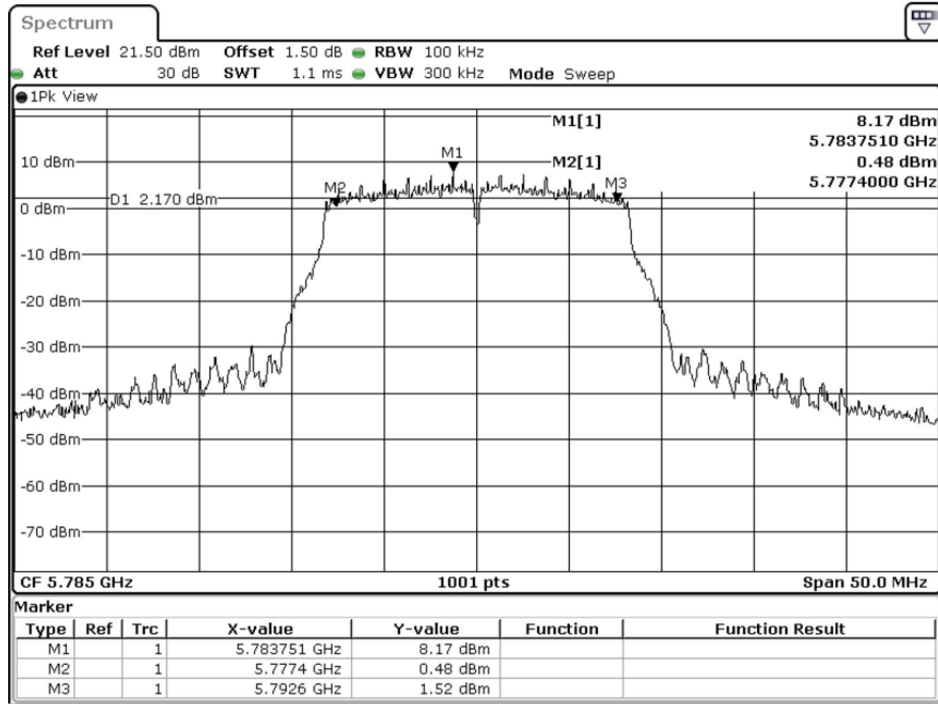
Date: 17.OCT.2020 15:24:10

Figure Channel 157 (Chain B)



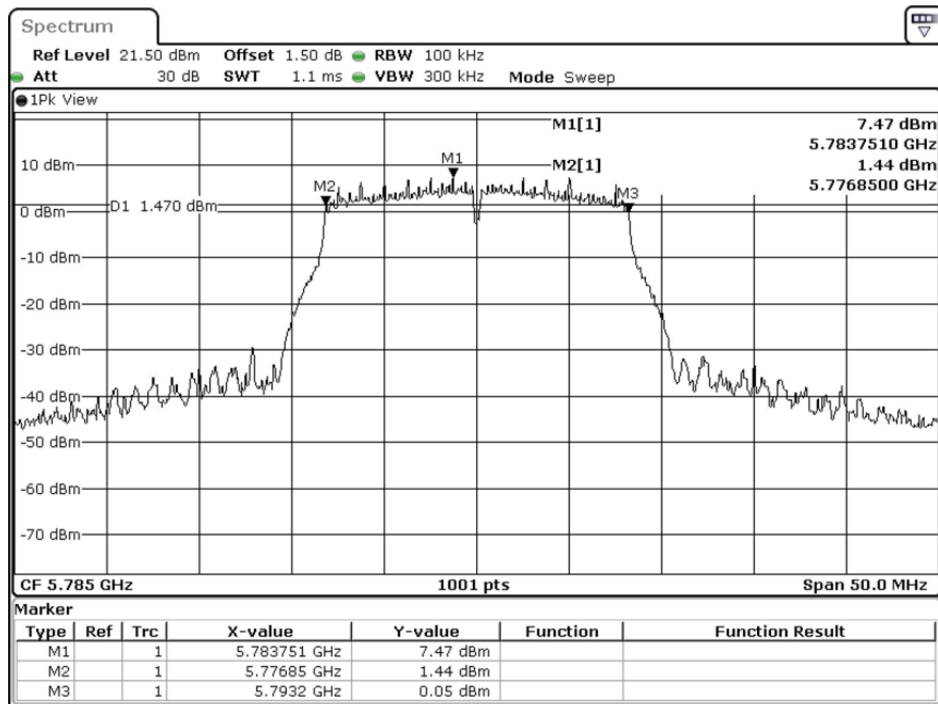
Date: 17.OCT.2020 16:35:31

Figure Channel 157 (Chain C)



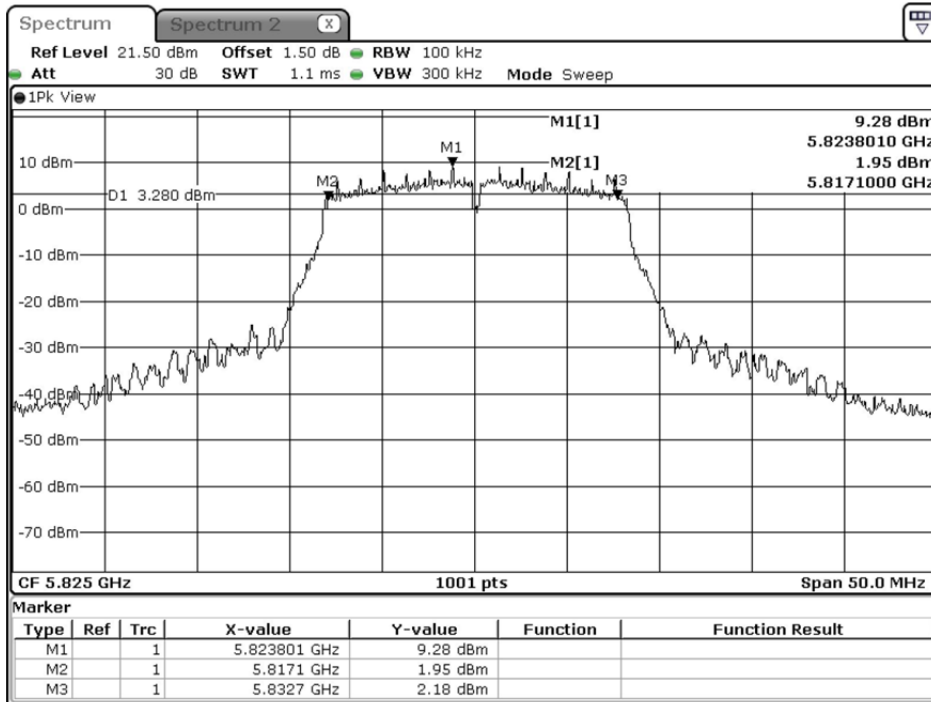
Date: 19.OCT.2020 10:08:00

Figure Channel 157 (Chain D)



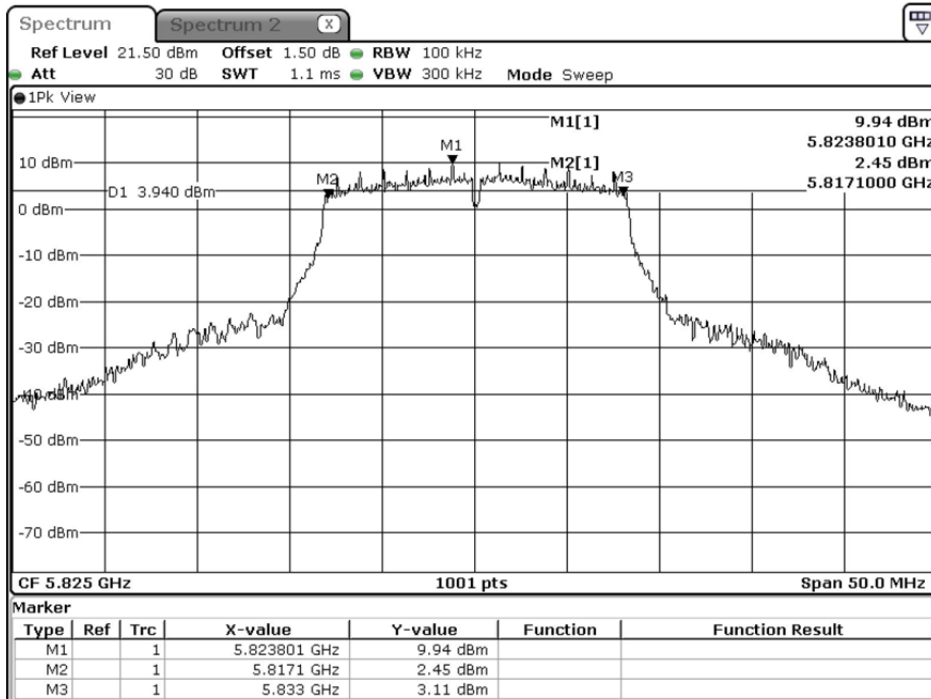
Date: 19.OCT.2020 11:11:01

Figure Channel 165 (Chain A)



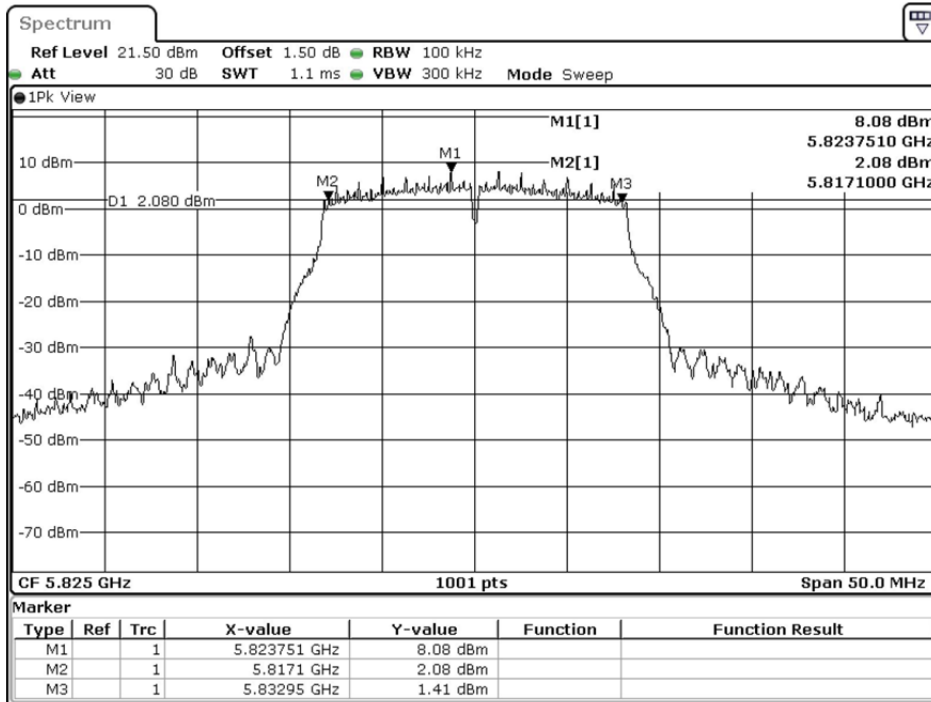
Date: 17.OCT.2020 15:26:37

Figure Channel 165 (Chain B)



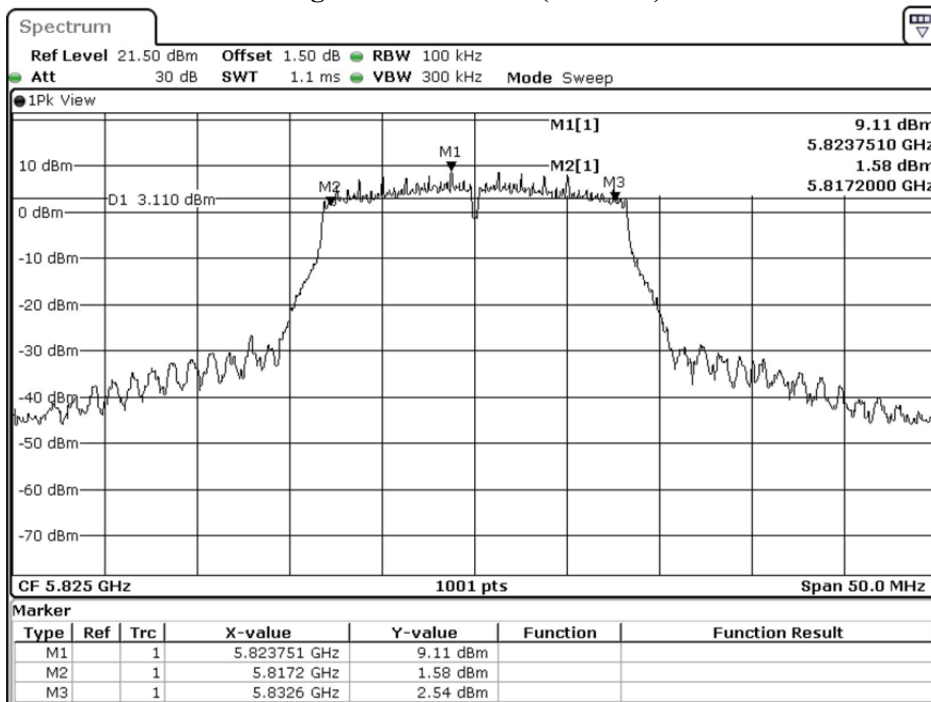
Date: 17.OCT.2020 16:37:28

Figure Channel 165 (Chain C)



Date: 19.OCT.2020 10:10:35

Figure Channel 165 (Chain D)



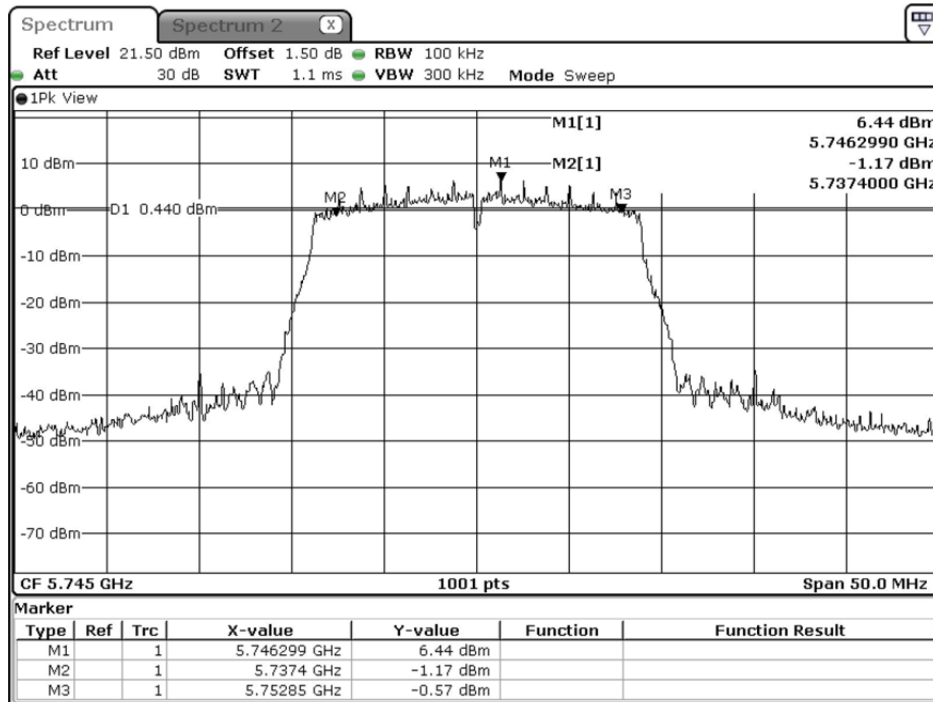
Date: 19.OCT.2020 11:12:50



Product : Gigabit LTE Multi-Service Router / LTE Dual-SIM Dual-Band Wireless  
VoIP VPN Router  
Test Item : Occupied Bandwidth Data  
Test Mode : Mode 2: Transmit (802.11n/ac-20BW)

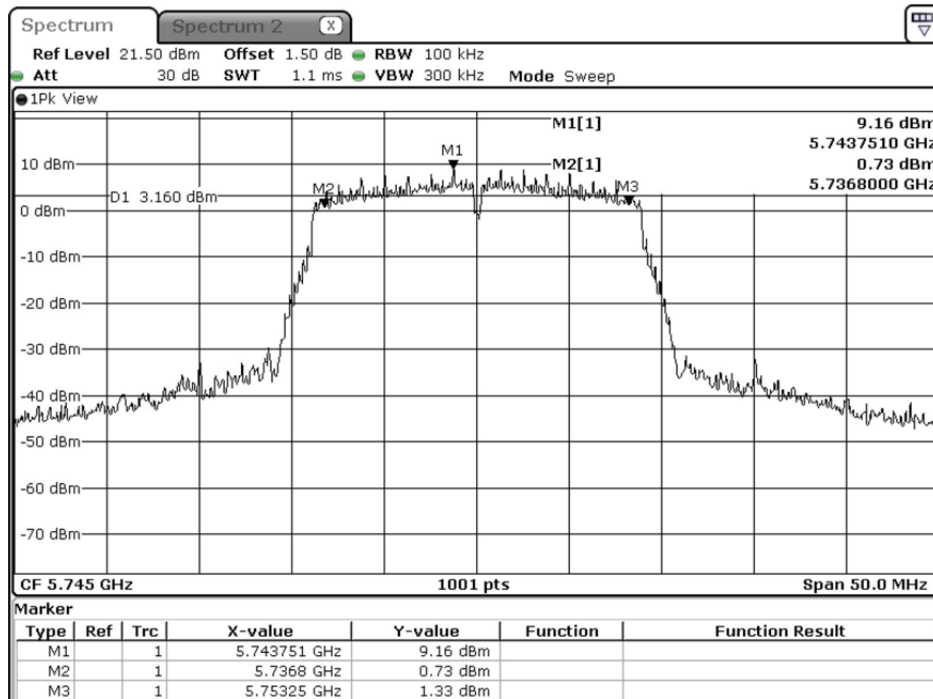
Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	A	15450	>500	Pass
157	5785	A	15200	>500	Pass
165	5825	A	15200	>500	Pass
149	5745	B	16450	>500	Pass
157	5785	B	16400	>500	Pass
165	5825	B	15850	>500	Pass
149	5745	C	16400	>500	Pass
157	5785	C	15800	>500	Pass
165	5825	C	16400	>500	Pass
149	5745	D	15200	>500	Pass
157	5785	D	15200	>500	Pass
165	5825	D	15800	>500	Pass

Figure Channel 149 (Chain A)



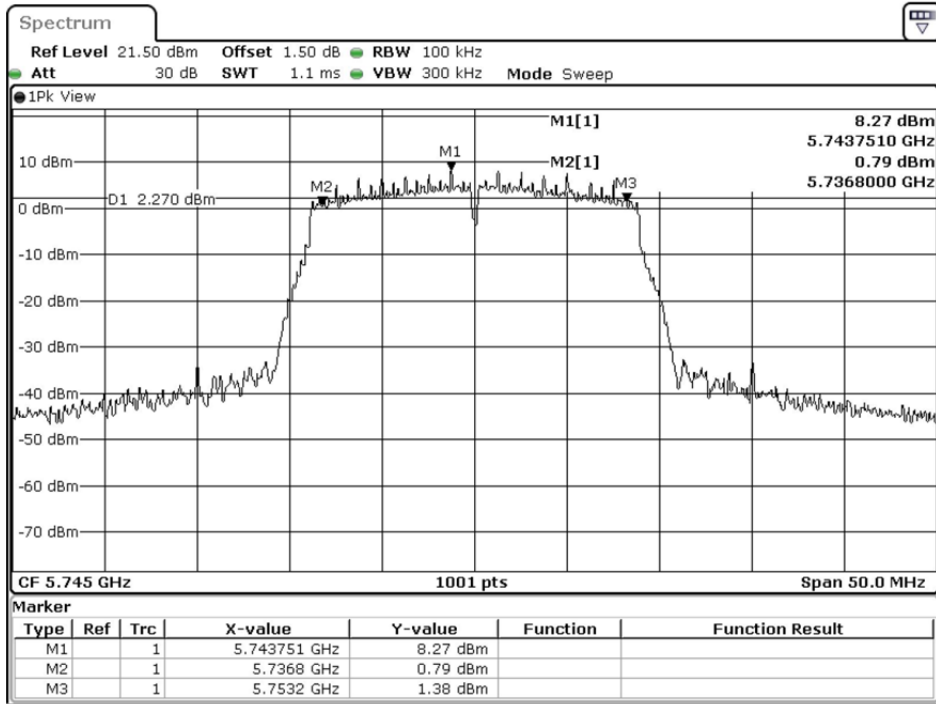
Date: 17.OCT.2020 15:31:45

Figure Channel 149 (Chain B)



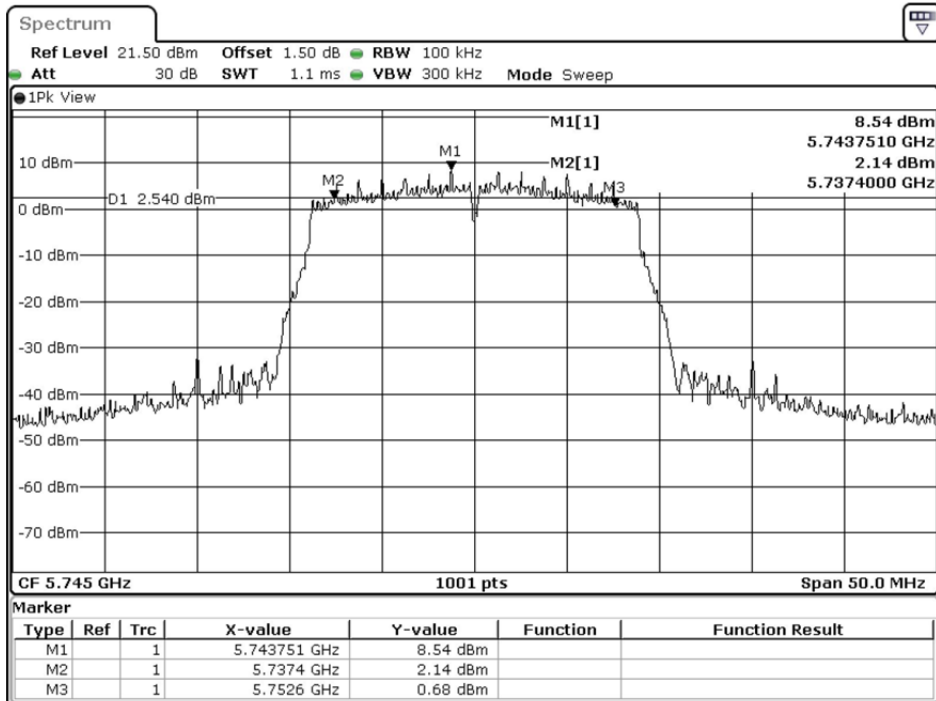
Date: 17.OCT.2020 16:42:38

Figure Channel 149 (Chain C)



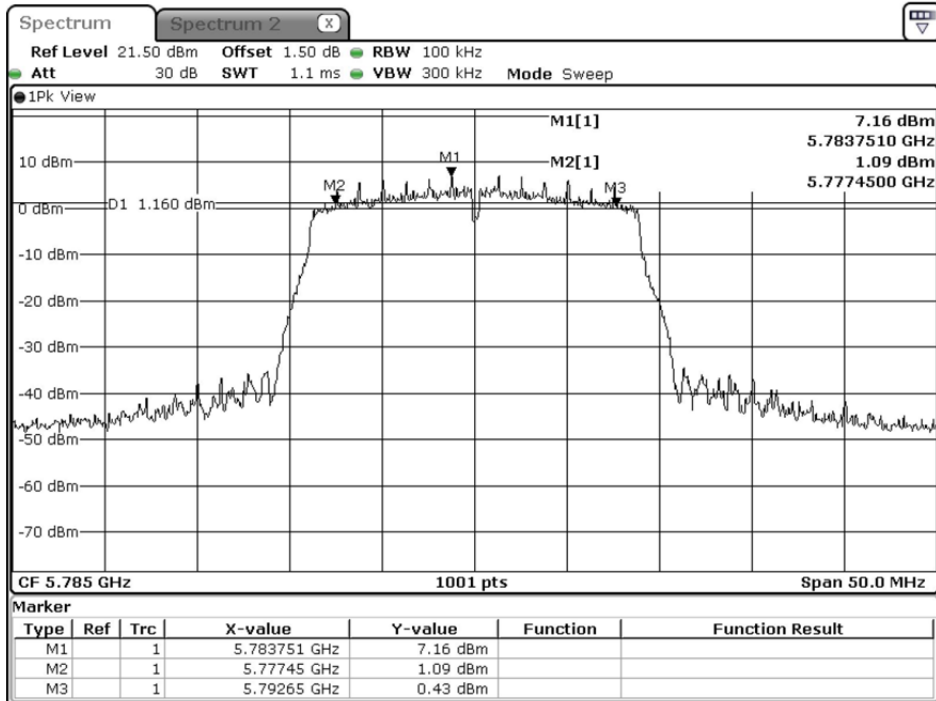
Date: 19.OCT.2020 10:15:20

Figure Channel 149 (Chain D)



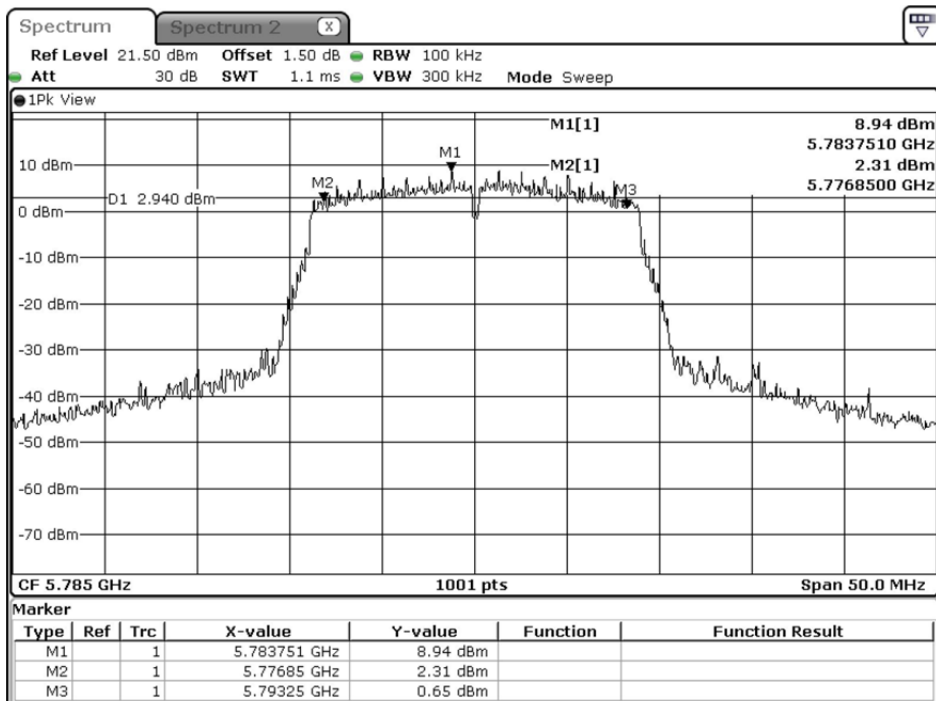
Date: 19.OCT.2020 11:17:27

Figure Channel 157 (Chain A)



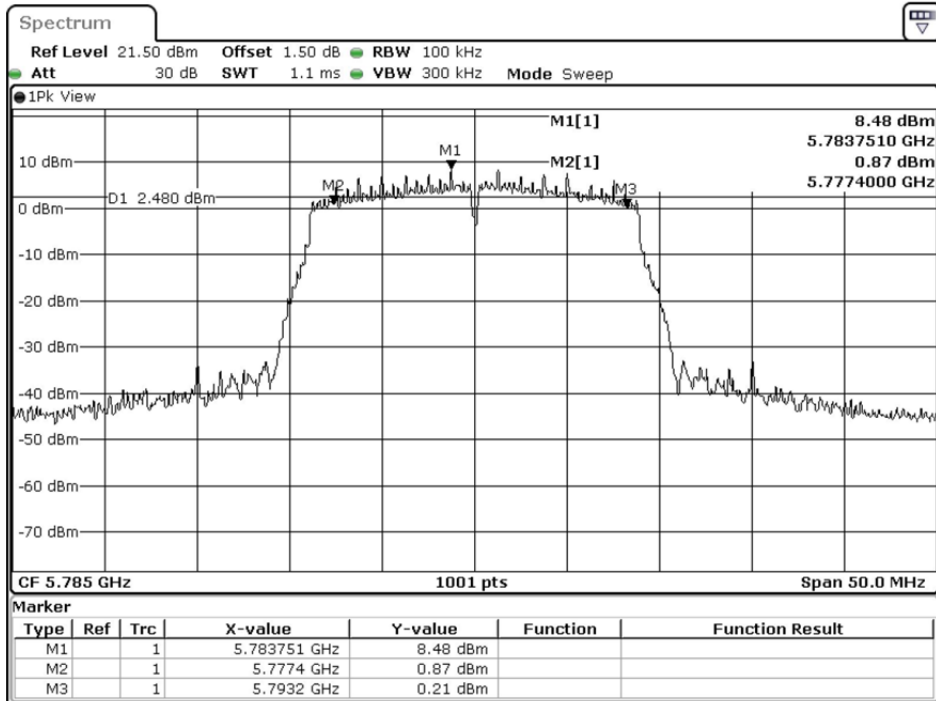
Date: 17.OCT.2020 15:34:08

Figure Channel 157 (Chain B)



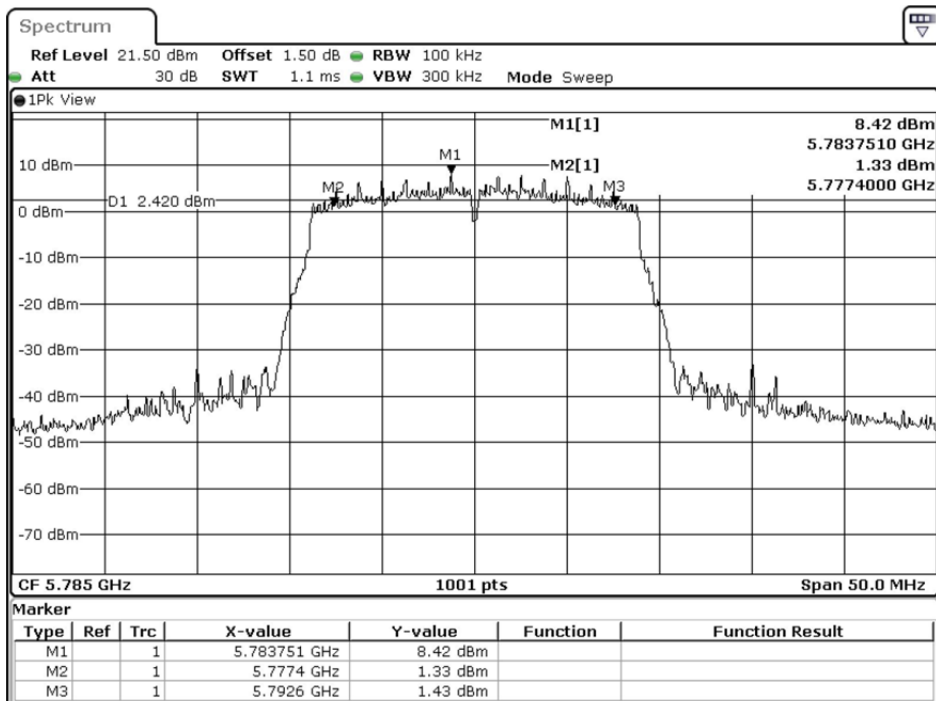
Date: 17.OCT.2020 16:44:37

Figure Channel 157 (Chain C)



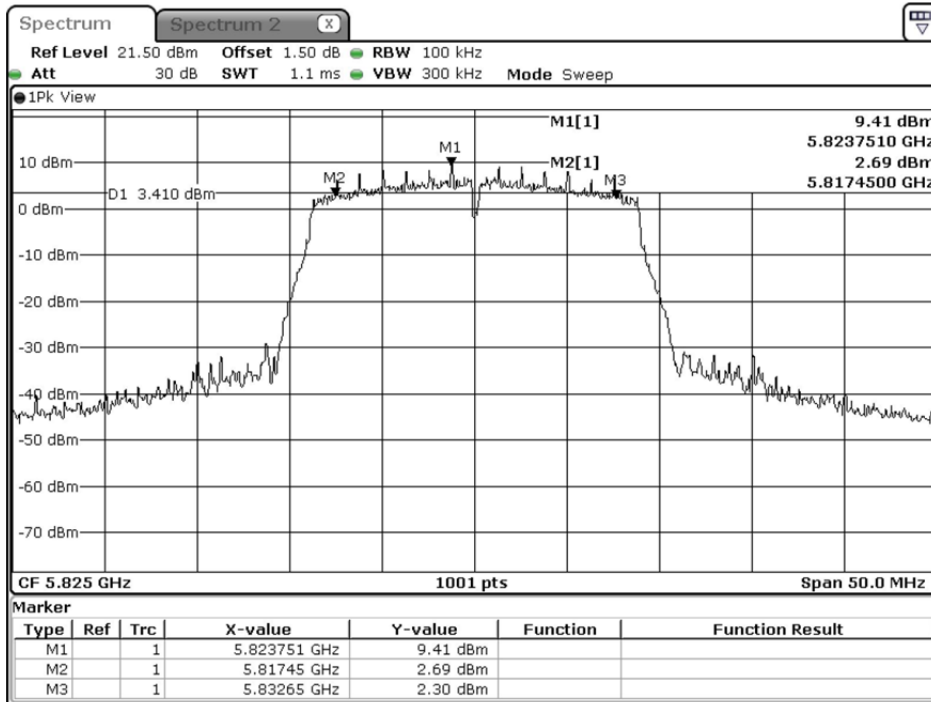
Date: 19.OCT.2020 10:17:55

Figure Channel 157 (Chain D)



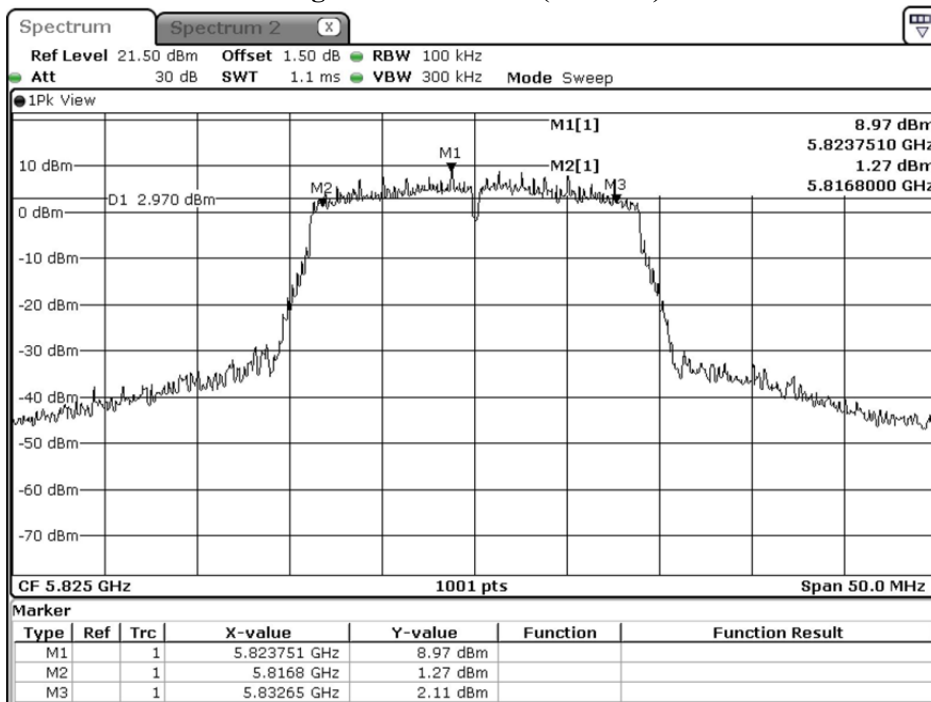
Date: 19.OCT.2020 11:19:11

Figure Channel 165 (Chain A)



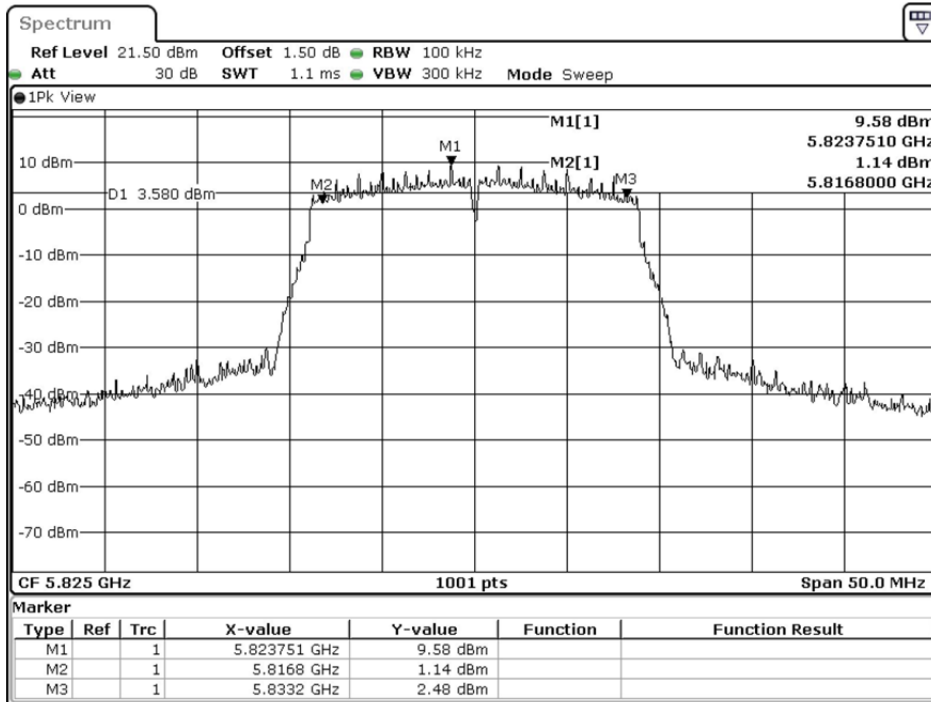
Date: 17.OCT.2020 15:36:16

Figure Channel 165 (Chain B)



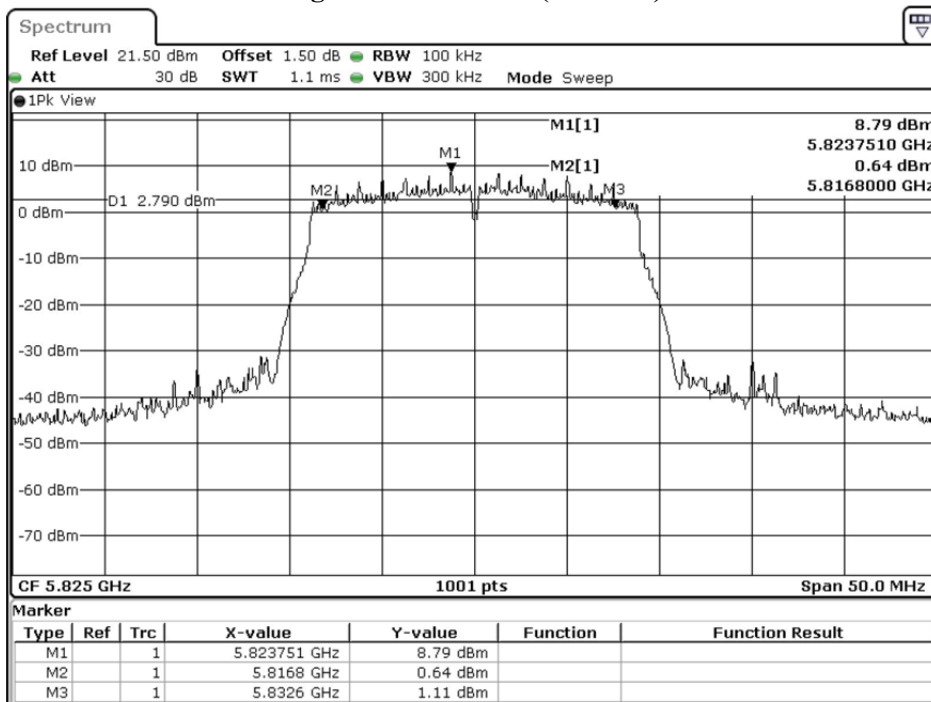
Date: 17.OCT.2020 16:46:36

Figure Channel 165 (Chain C)



Date: 19.OCT.2020 10:19:48

Figure Channel 165 (Chain D)



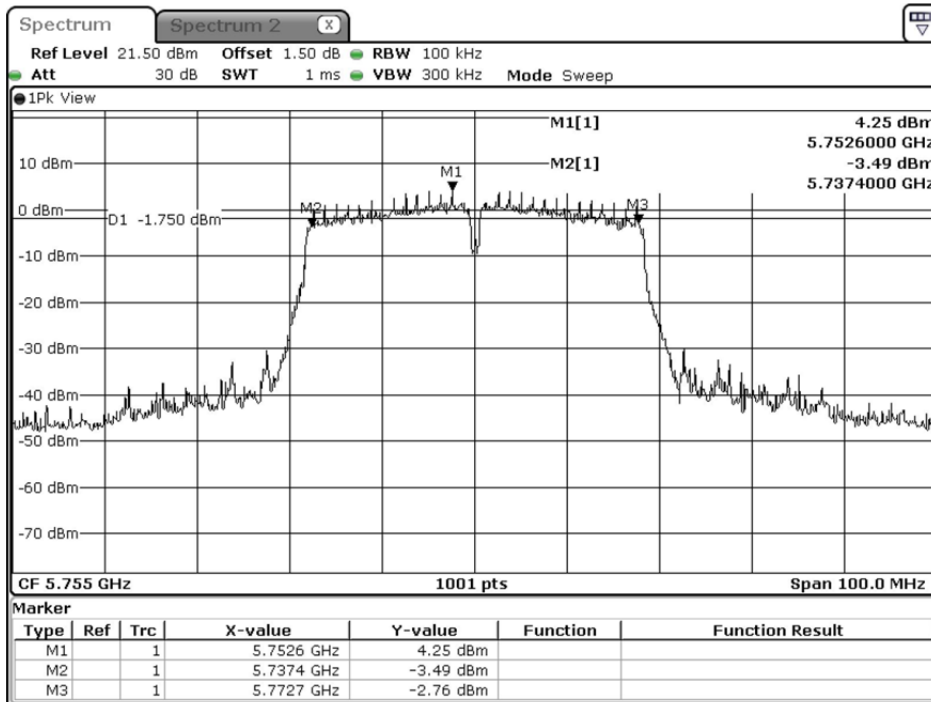
Date: 19.OCT.2020 11:21:03

Product : Gigabit LTE Multi-Service Router / LTE Dual-SIM Dual-Band Wireless  
VoIP VPN Router  
Test Item : Occupied Bandwidth Data  
Test Mode : Mode 3: Transmit (802.11n/ac-40BW)

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	A	35300	>500	Pass
159	5795	A	35300	>500	Pass
151	5755	B	35300	>500	Pass
159	5795	B	35300	>500	Pass
151	5755	C	35300	>500	Pass
159	5795	C	35300	>500	Pass
151	5755	D	35200	>500	Pass
159	5795	D	35300	>500	Pass

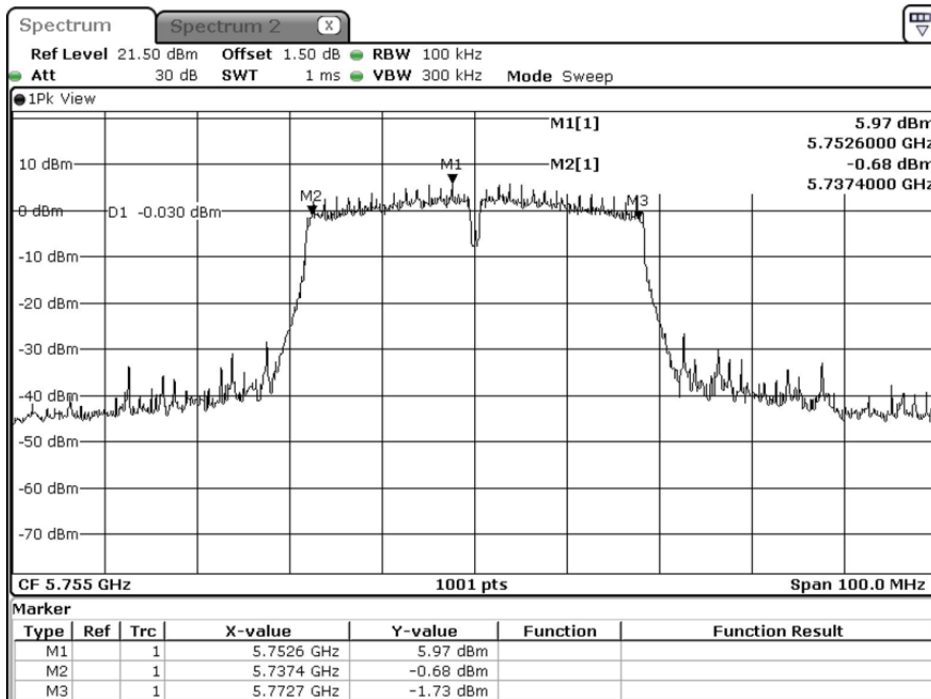


Figure Channel 151 (Chain A)



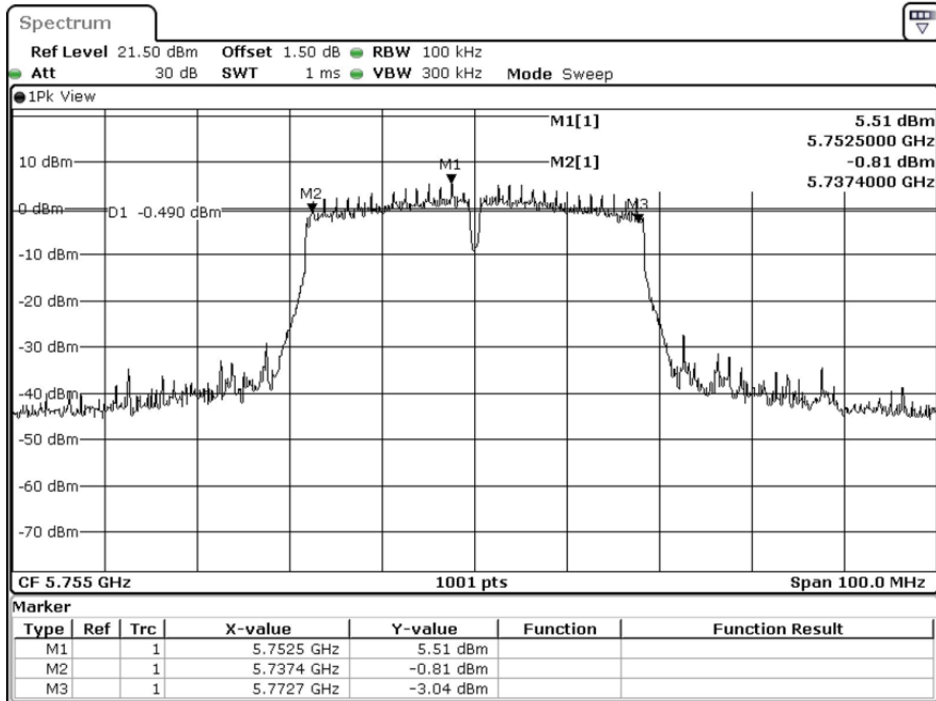
Date: 17.OCT.2020 15:38:56

Figure Channel 151 (Chain B)



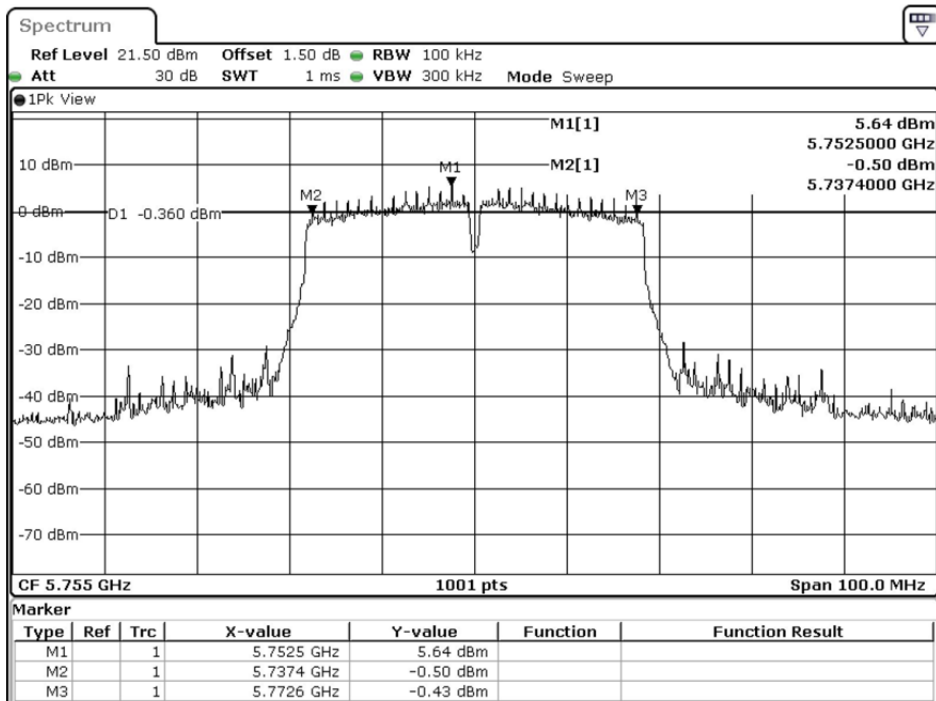
Date: 17.OCT.2020 16:48:46

Figure Channel 151 (Chain C)



Date: 19.OCT.2020 10:22:26

Figure Channel 151 (Chain D)



Date: 19.OCT.2020 11:23:17