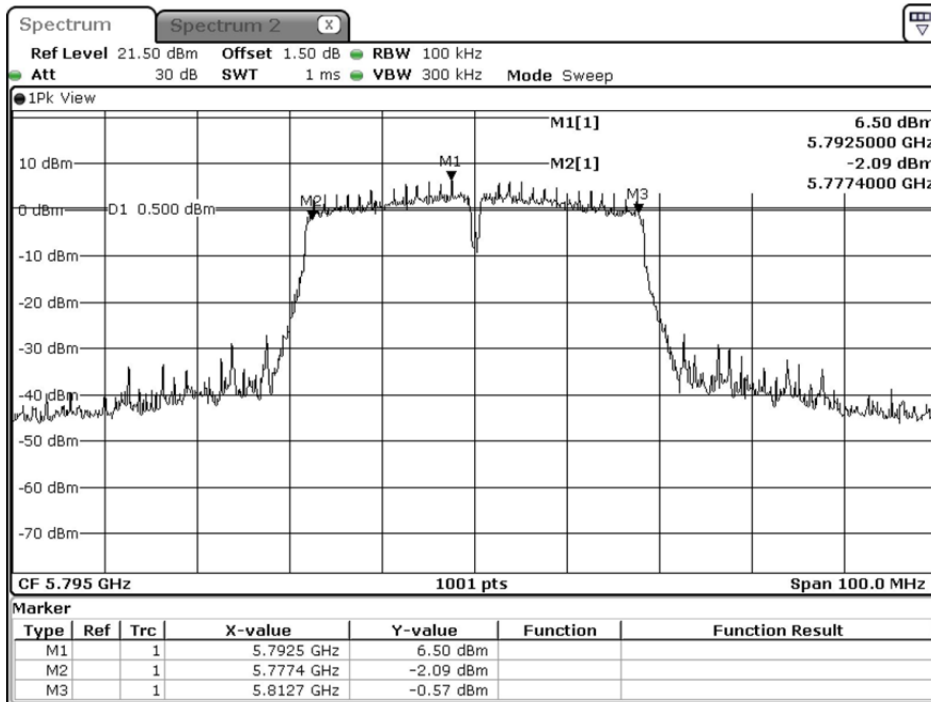
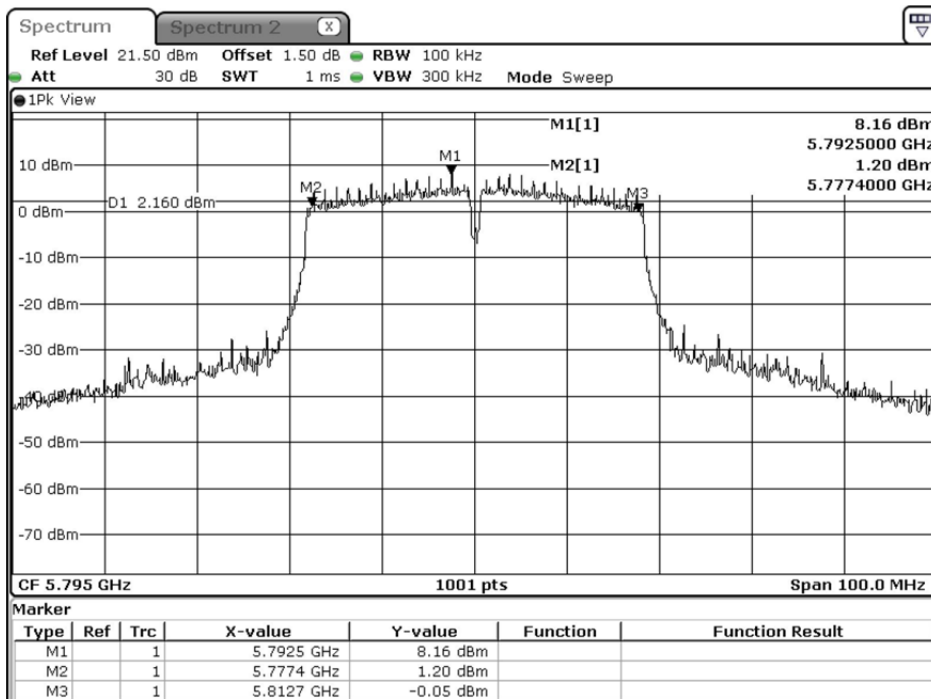


Figure Channel 159 (Chain A)



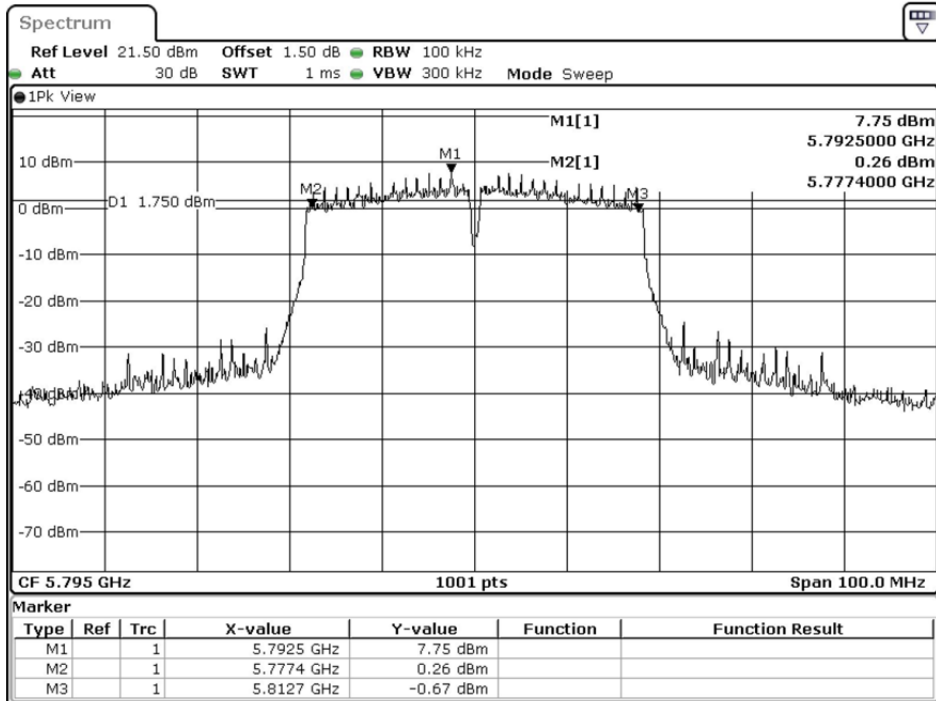
Date: 17.OCT.2020 15:41:02

Figure Channel 159 (Chain B)



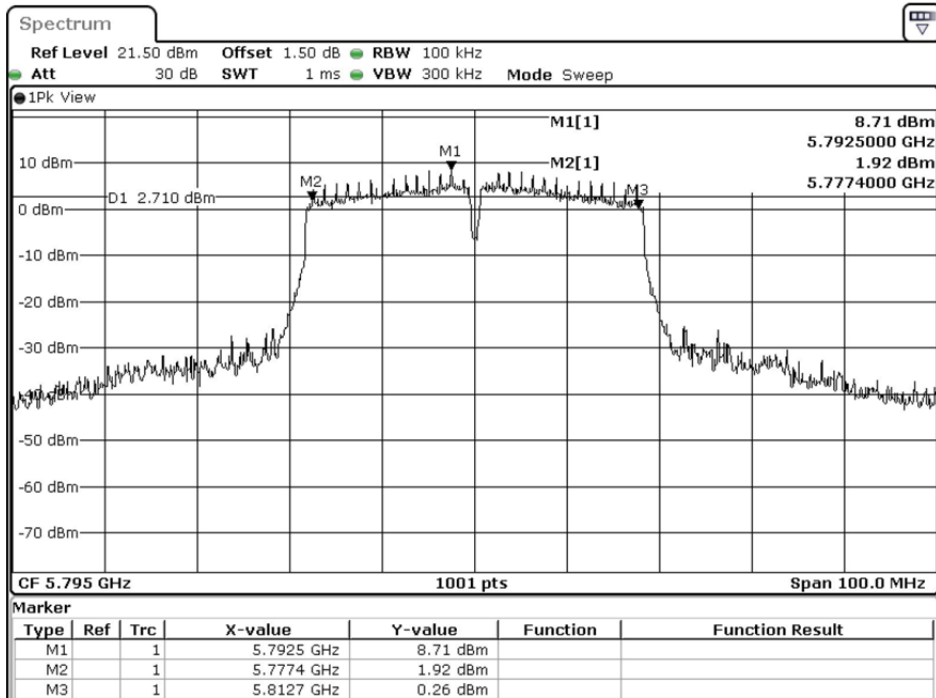
Date: 17.OCT.2020 16:50:42

Figure Channel 159 (Chain C)



Date: 19.OCT.2020 10:24:24

Figure Channel 159 (Chain D)

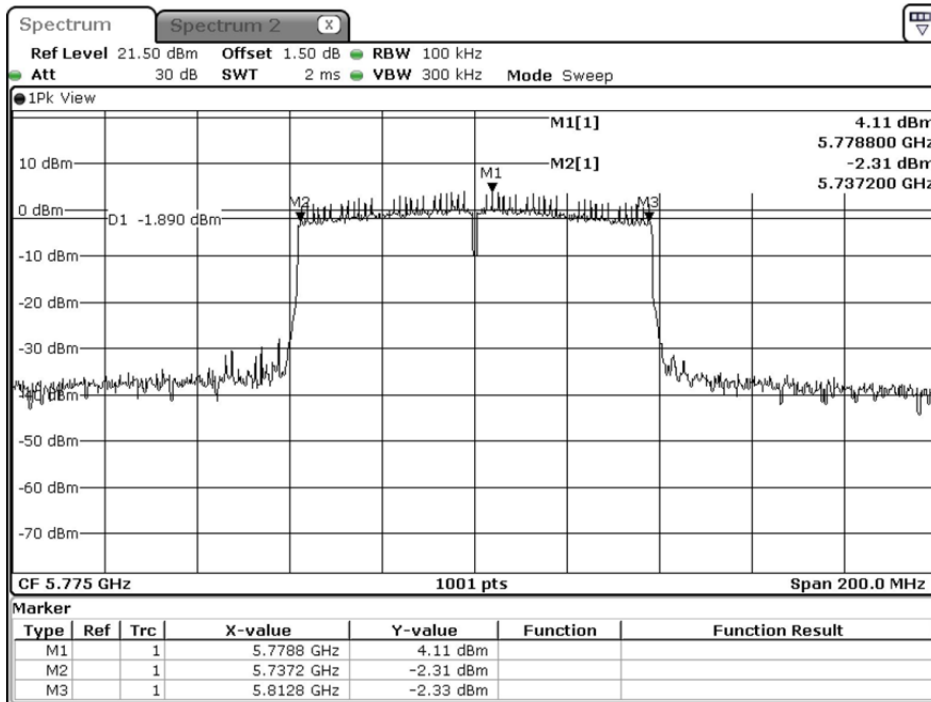


Date: 19.OCT.2020 11:25:04

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

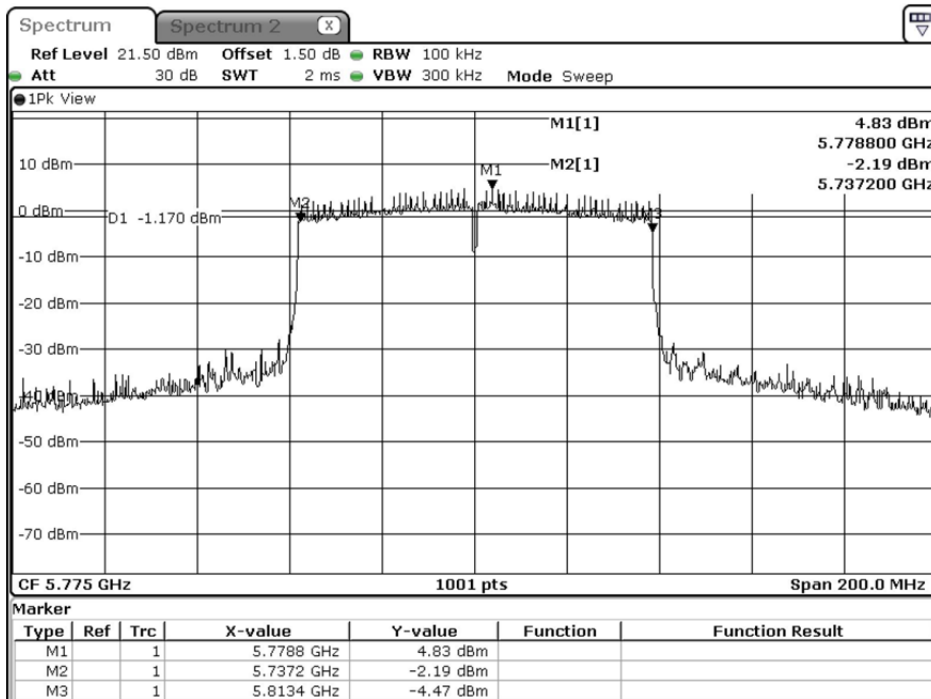
Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
155	5775	A	75600	>500	Pass
155	5775	B	76200	>500	Pass
155	5775	C	75600	>500	Pass
155	5775	D	75600	>500	Pass

Figure Channel 155 (Chain A)



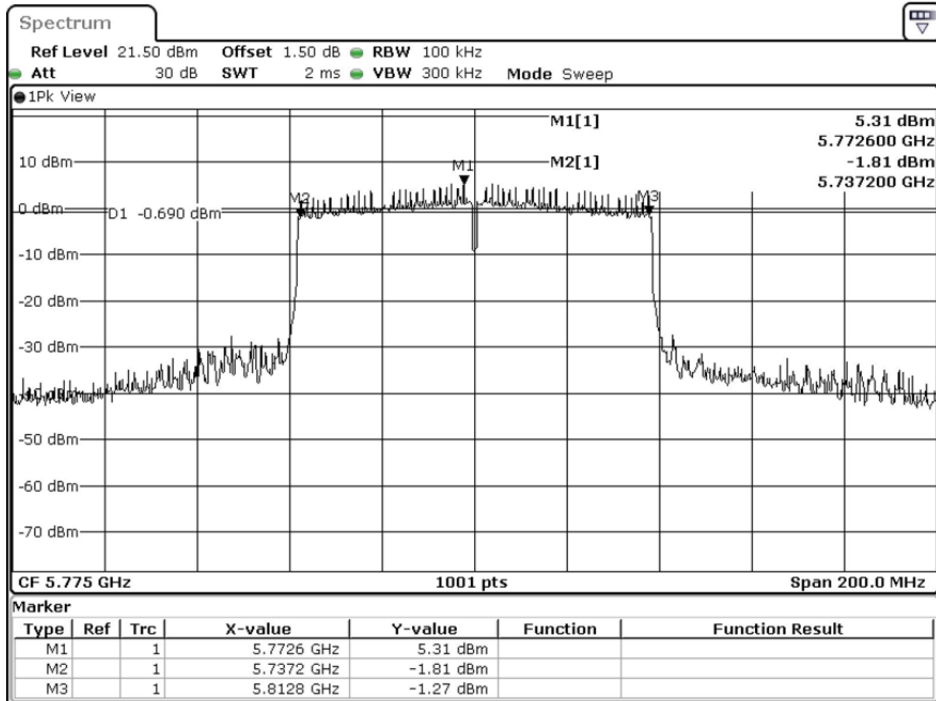
Date: 17.OCT.2020 15:29:12

Figure Channel 155 (Chain B)



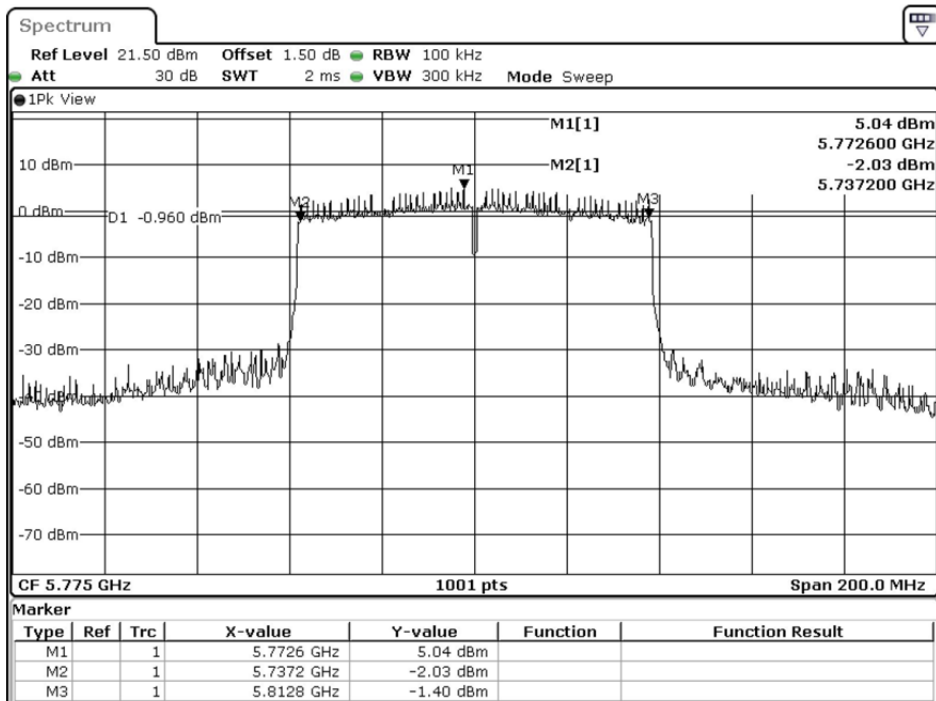
Date: 17.OCT.2020 16:40:15

Figure Channel 155 (Chain C)



Date: 19.OCT.2020 10:12:50

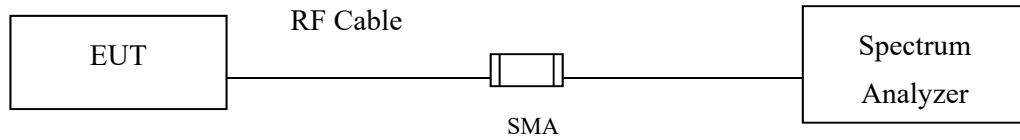
Figure Channel 155 (Chain D)



Date: 19.OCT.2020 11:15:20

## 8. Duty Cycle

### 8.1. Test Setup



### 8.2. Test Procedure

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

### 8.3. Test Result of Duty Cycle

Product : Gigabit LTE Multi-Service Router / LTE Dual-SIM Dual-Band Wireless VoIP  
VPN Router  
Test Item : Duty Cycle  
Test Mode : Transmit

Duty Cycle Formula:

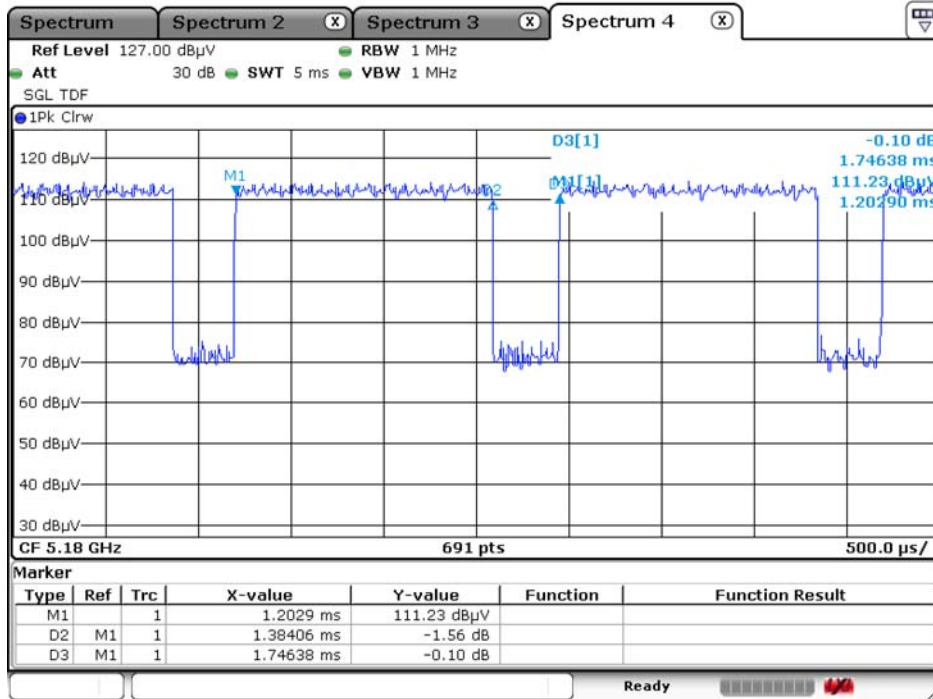
Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

Results:

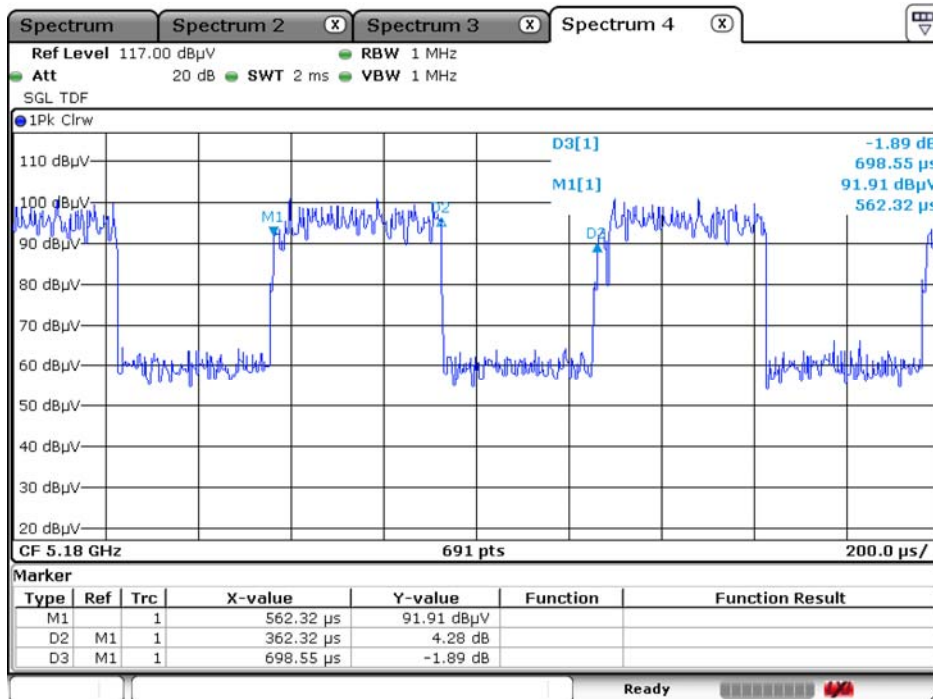
5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11a	1.3841	1.7464	79.25	1.01
802.11n20	0.3623	0.6986	51.87	2.85
802.11n40	0.2087	0.5464	38.20	4.18
802.11ac80	0.1246	0.4594	27.13	5.67

802.11a



Date: 24.SEP.2020 04:16:19

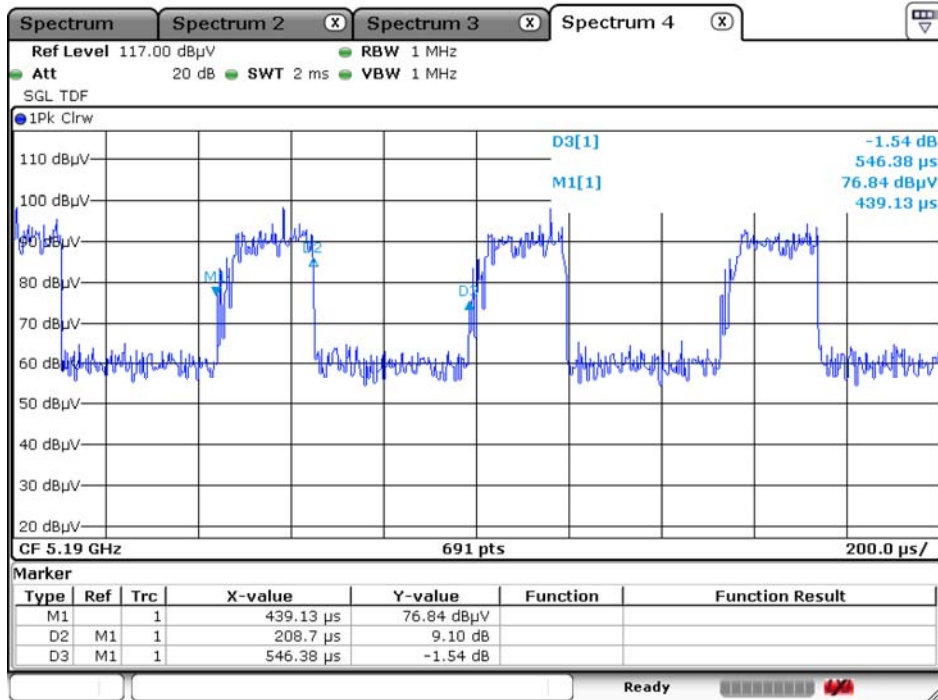
802.11n/ac20



Date: 30.SEP.2020 04:31:33

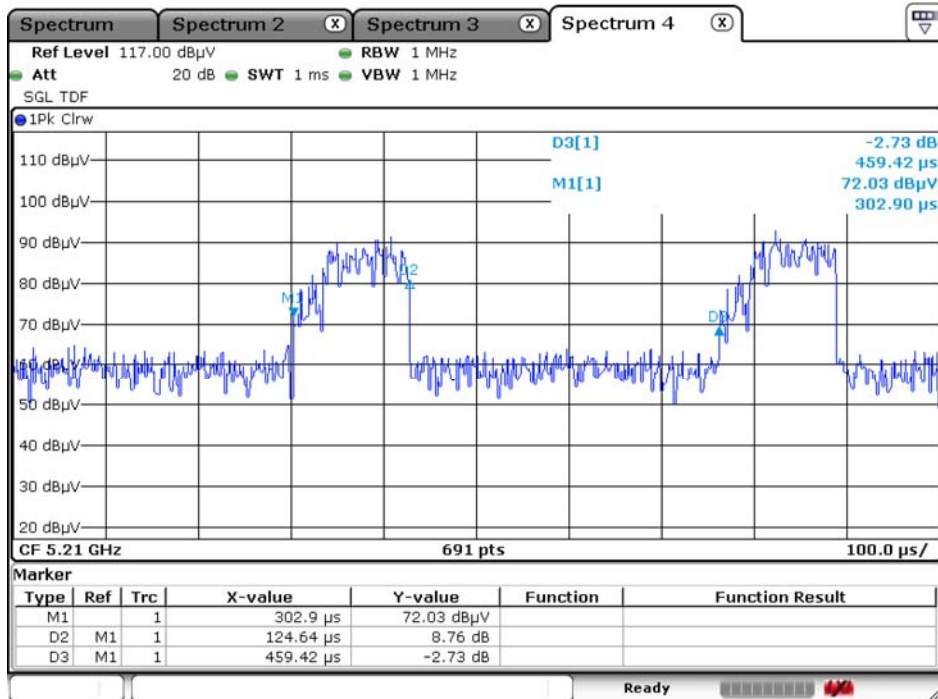


802.11n/ac40



Date: 30.SEP.2020 04:34:05

802.11ac80



Date: 30.SEP.2020 04:35:07

## **9. EMI Reduction Method During Compliance Testing**

No modification was made during testing.