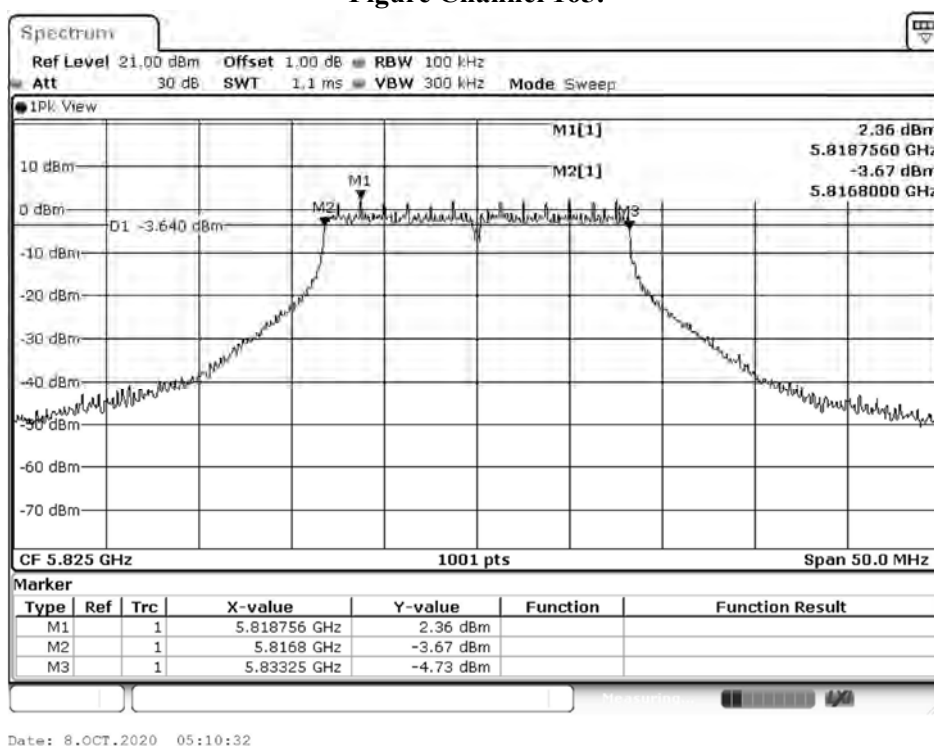


Figure Channel 165:



Product : Wireless Outdoor Router
Test Item : Occupied Bandwidth Data
Test Mode : Mode 2: Transmit (802.11n-20BW)

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
149	5745	A	17750	>500	Pass
157	5785	A	17700	>500	Pass
165	5825	A	17700	>500	Pass
149	5745	B	17750	>500	Pass
157	5785	B	17700	>500	Pass
165	5825	B	17700	>500	Pass
149	5745	C	17750	>500	Pass
157	5785	C	17700	>500	Pass
165	5825	C	17700	>500	Pass
149	5745	D	17700	>500	Pass
157	5785	D	17750	>500	Pass
165	5825	D	17650	>500	Pass

Figure Channel 149 (Chain A)

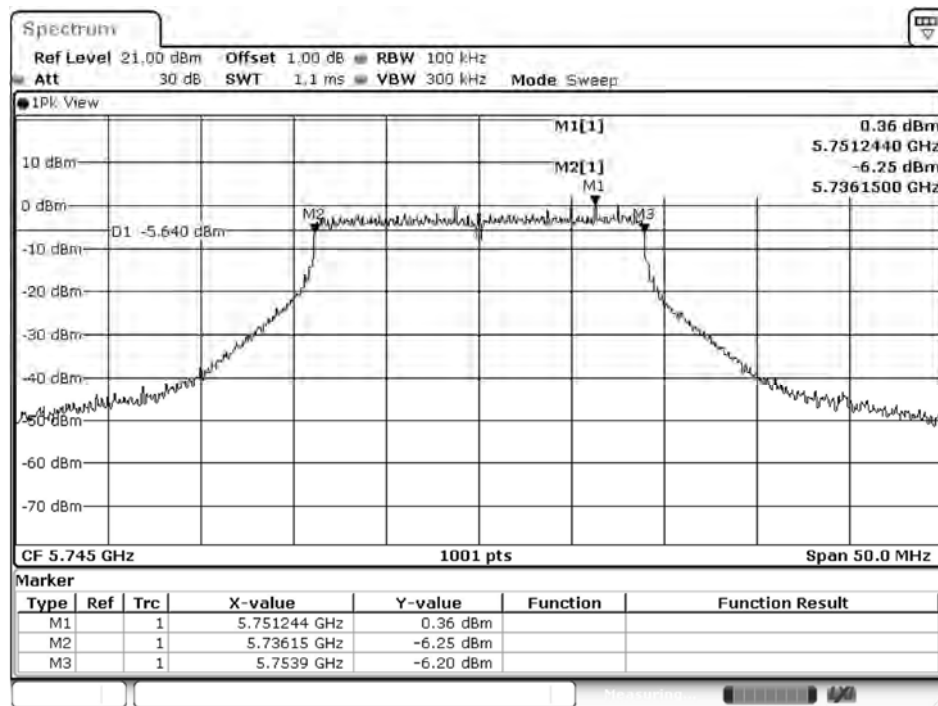


Figure Channel 149 (Chain B)

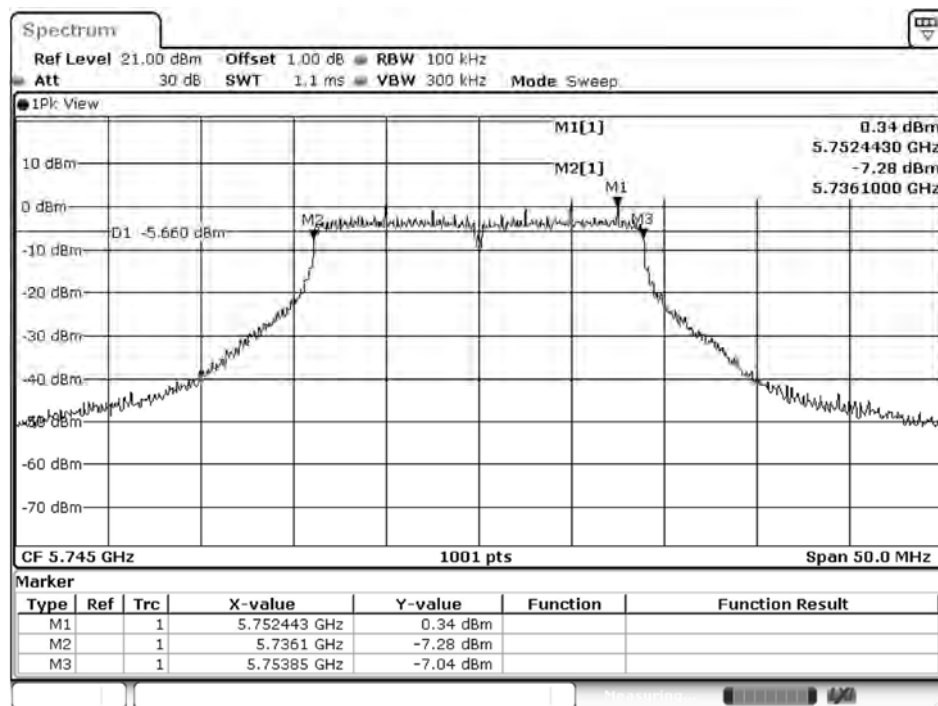


Figure Channel 149 (Chain C)

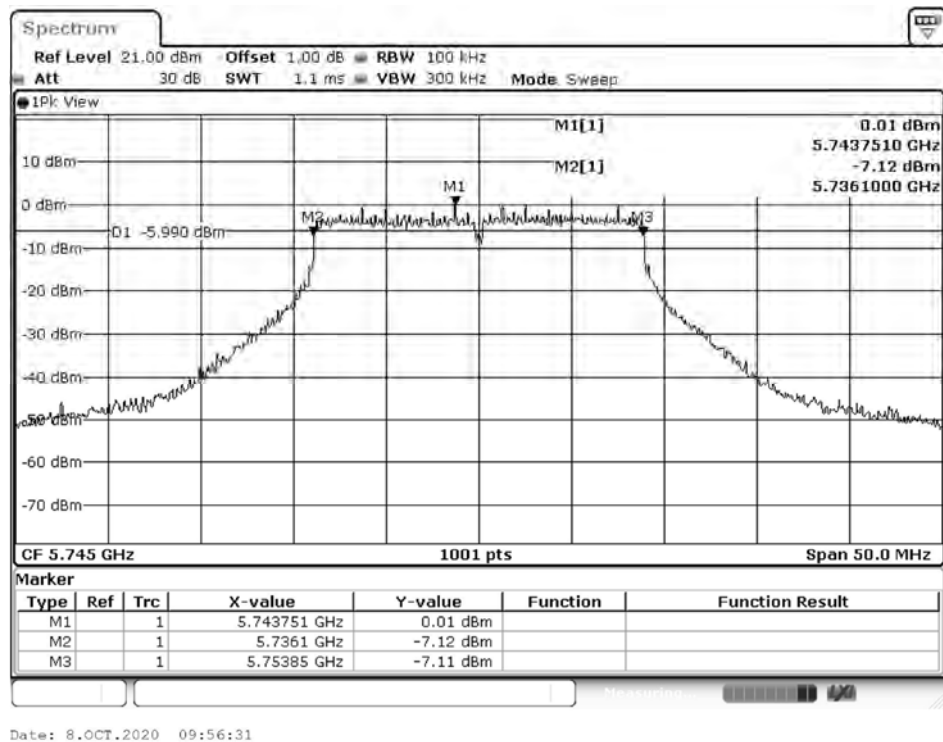


Figure Channel 149 (Chain D)

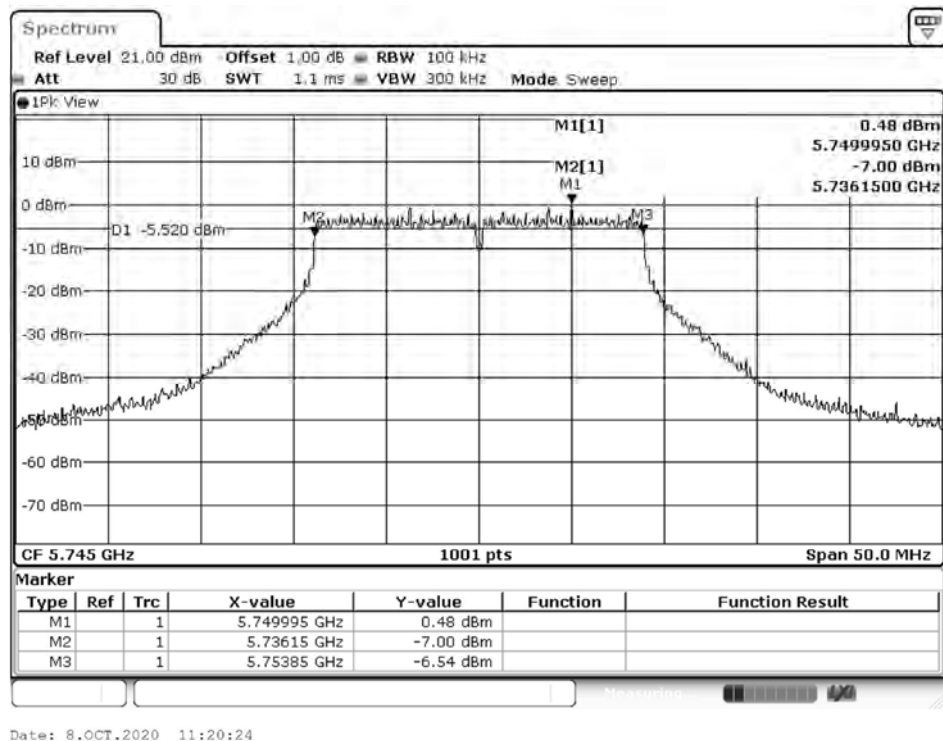


Figure Channel 157 (Chain A)

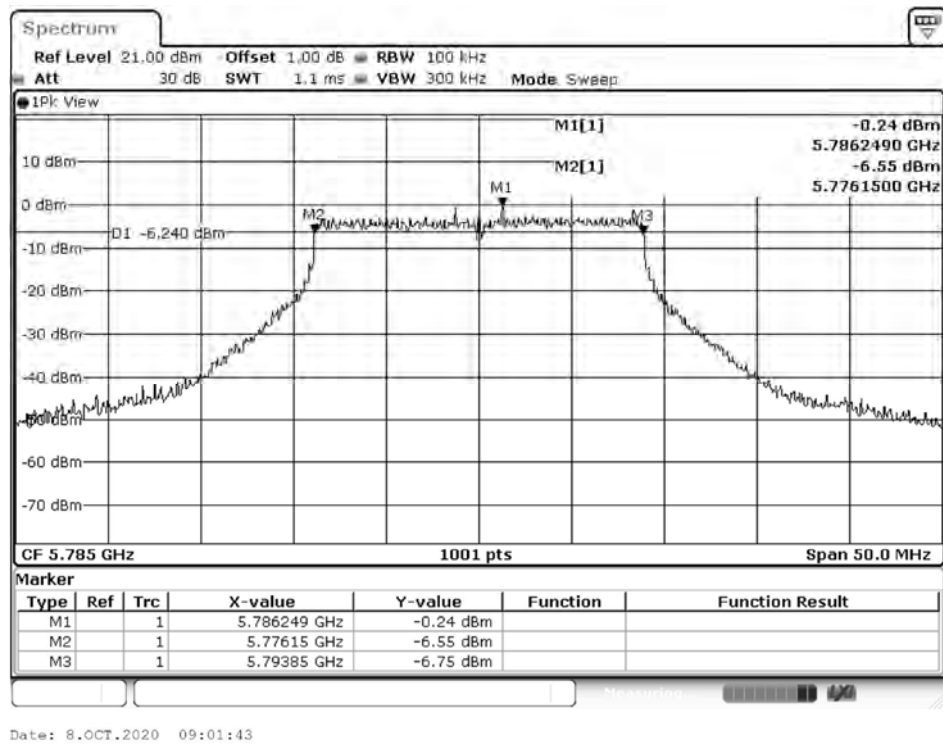


Figure Channel 157 (Chain B)

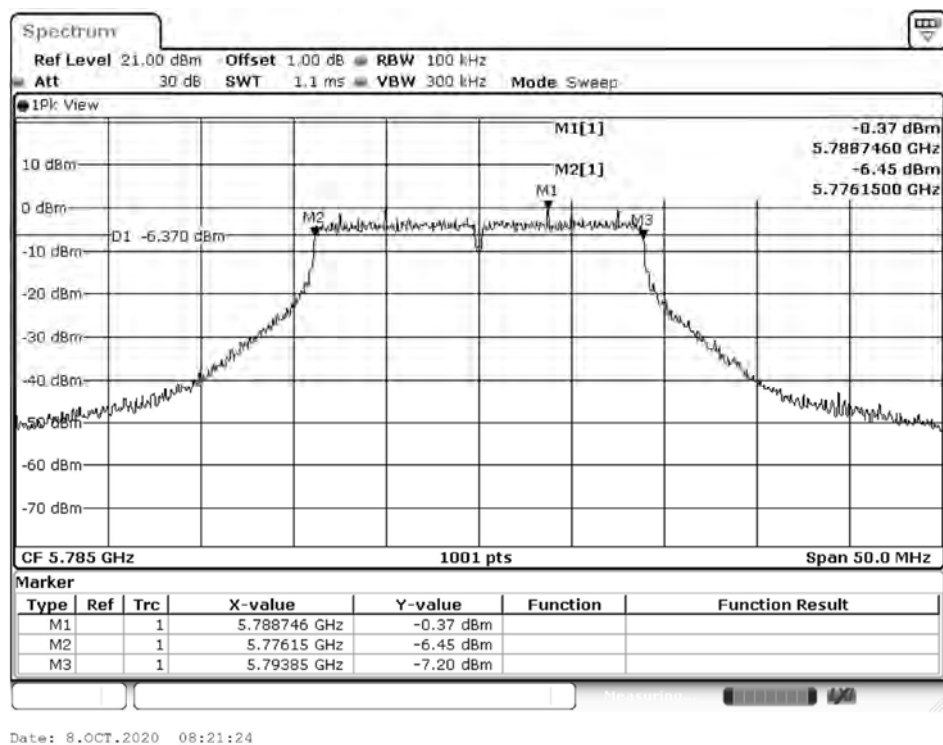


Figure Channel 157 (Chain C)

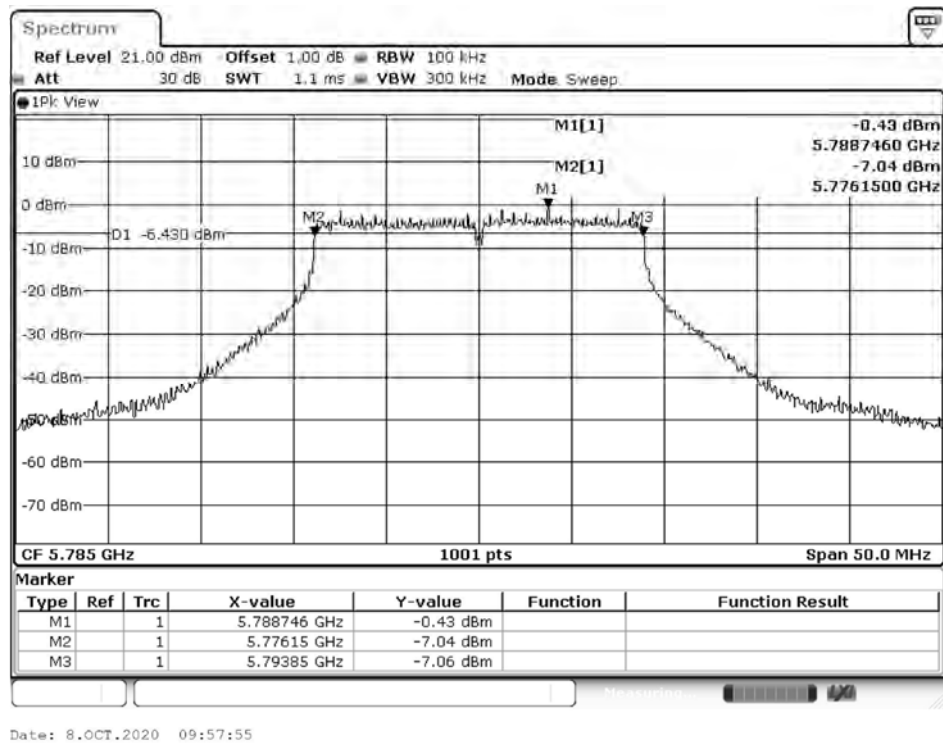


Figure Channel 157 (Chain D)

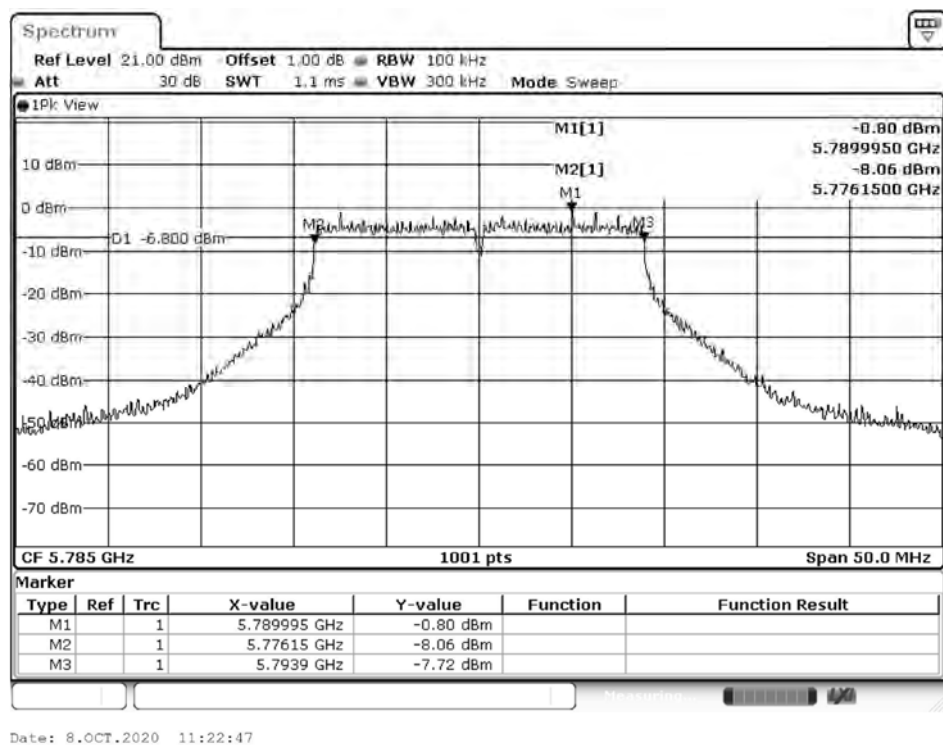


Figure Channel 165 (Chain A)

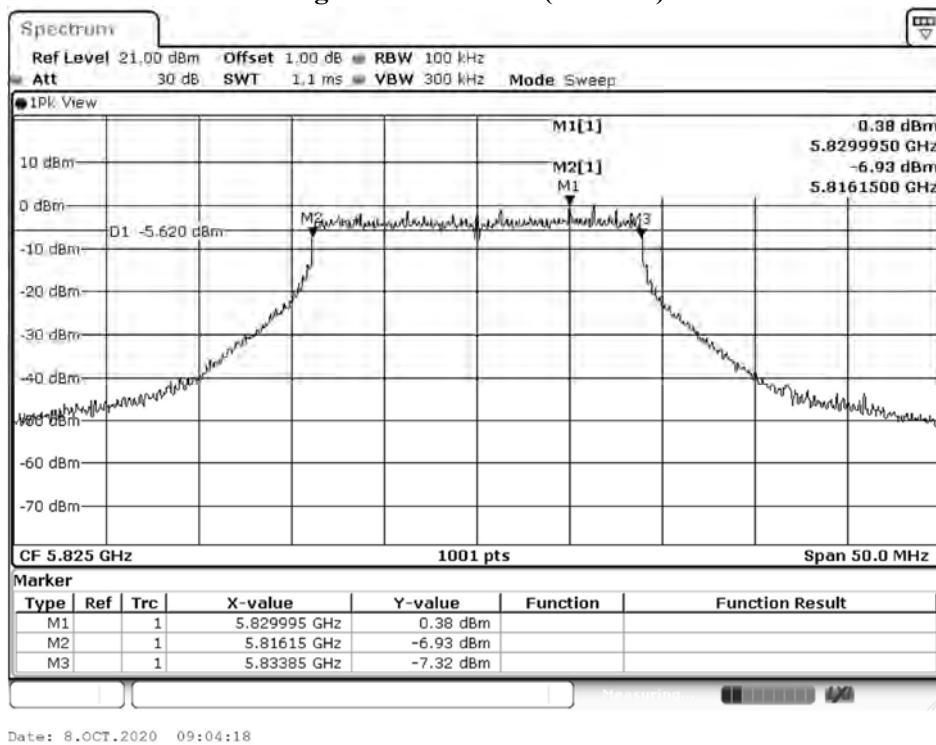


Figure Channel 165 (Chain B)

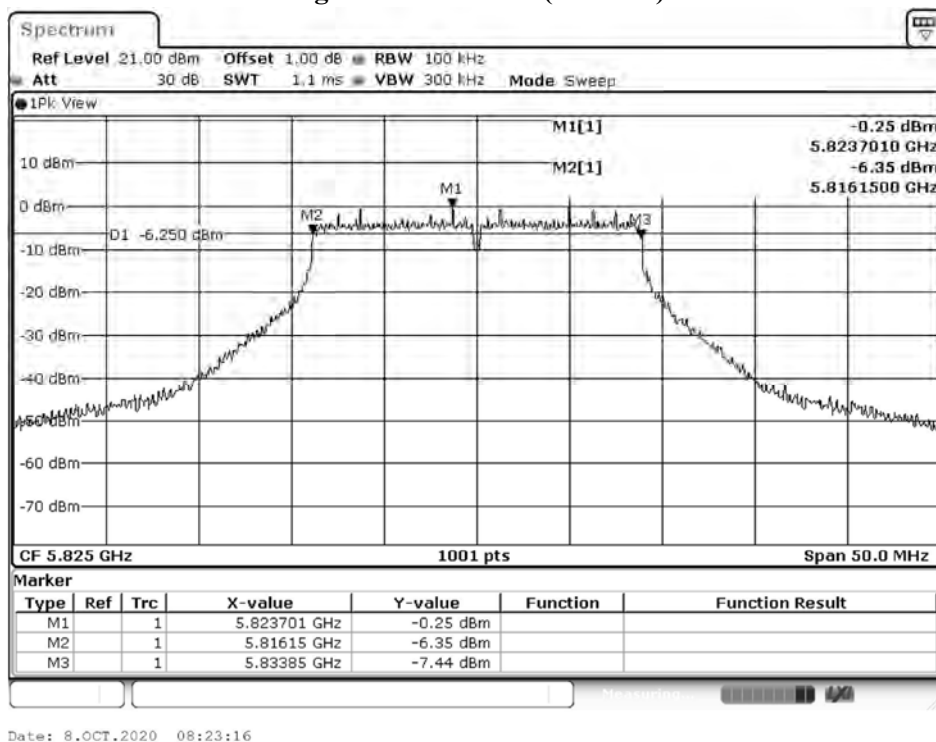


Figure Channel 165 (Chain C)

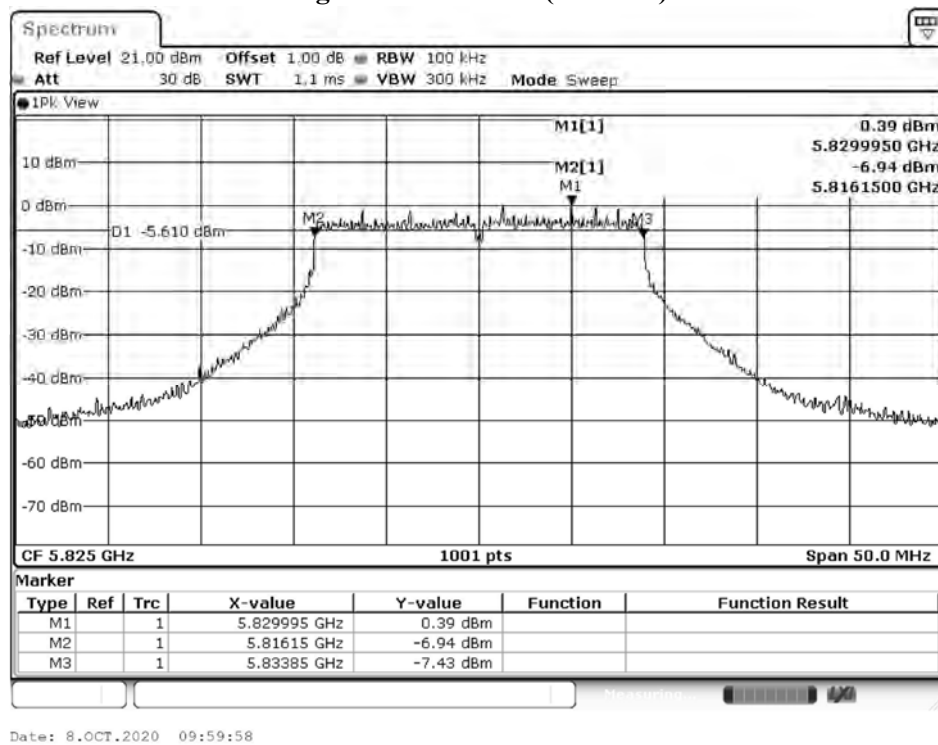
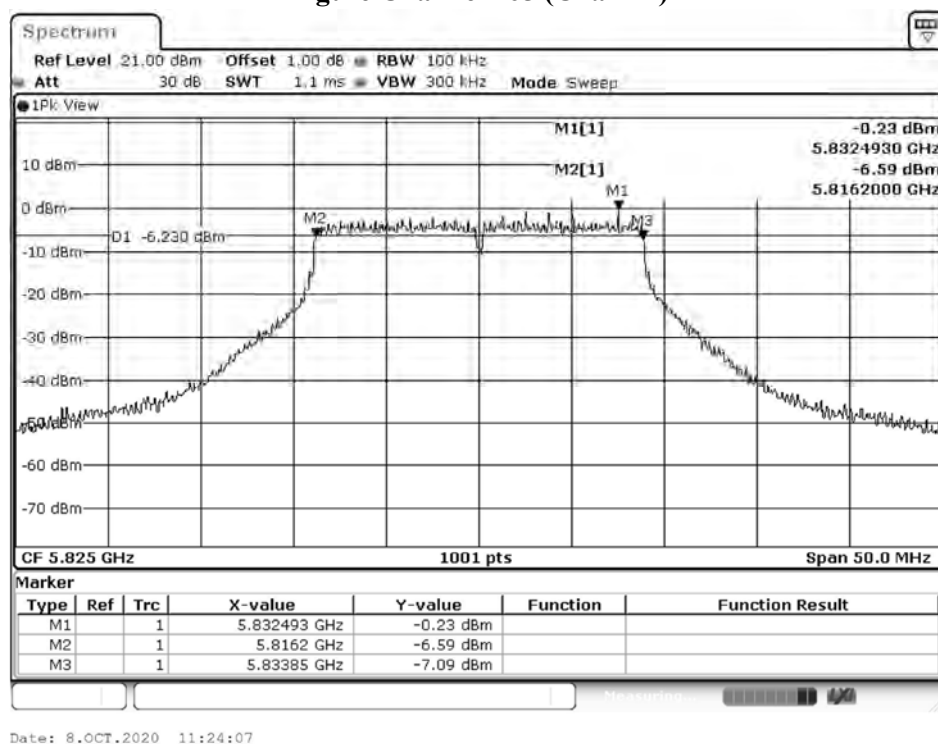


Figure Channel 165 (Chain D)



Product : Wireless Outdoor Router
Test Item : Occupied Bandwidth Data
Test Mode : Mode 3: Transmit (802.11n-40BW)

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755	A	36500	>500	Pass
159	5795	A	36600	>500	Pass
151	5755	B	36600	>500	Pass
159	5795	B	36600	>500	Pass
151	5755	C	36500	>500	Pass
159	5795	C	36600	>500	Pass
151	5755	D	36500	>500	Pass
159	5795	D	36600	>500	Pass

Figure Channel 151 (Chain A)

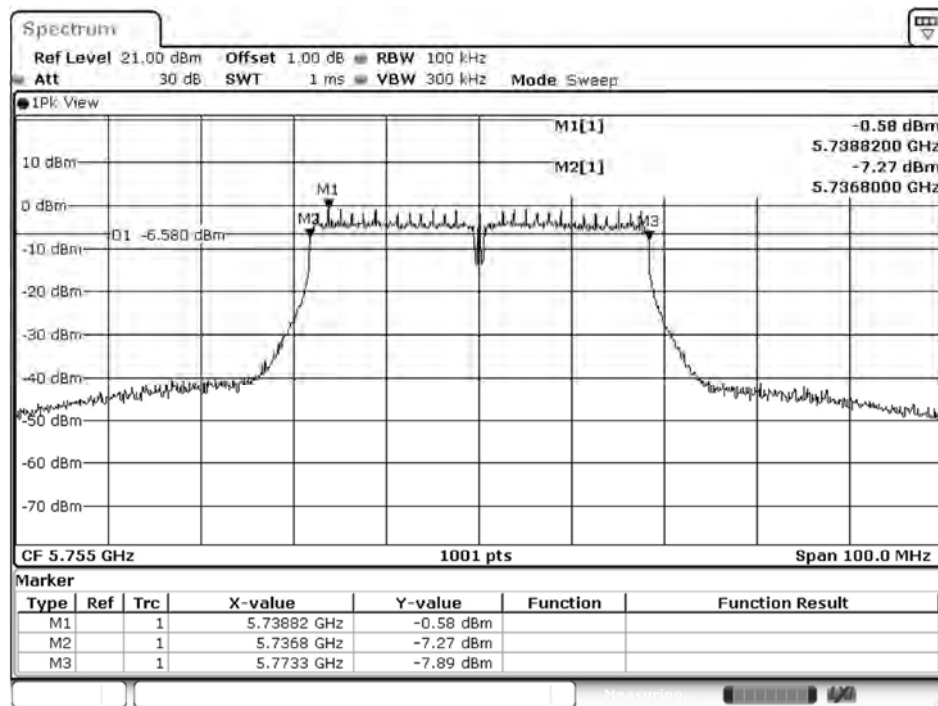


Figure Channel 151 (Chain B)

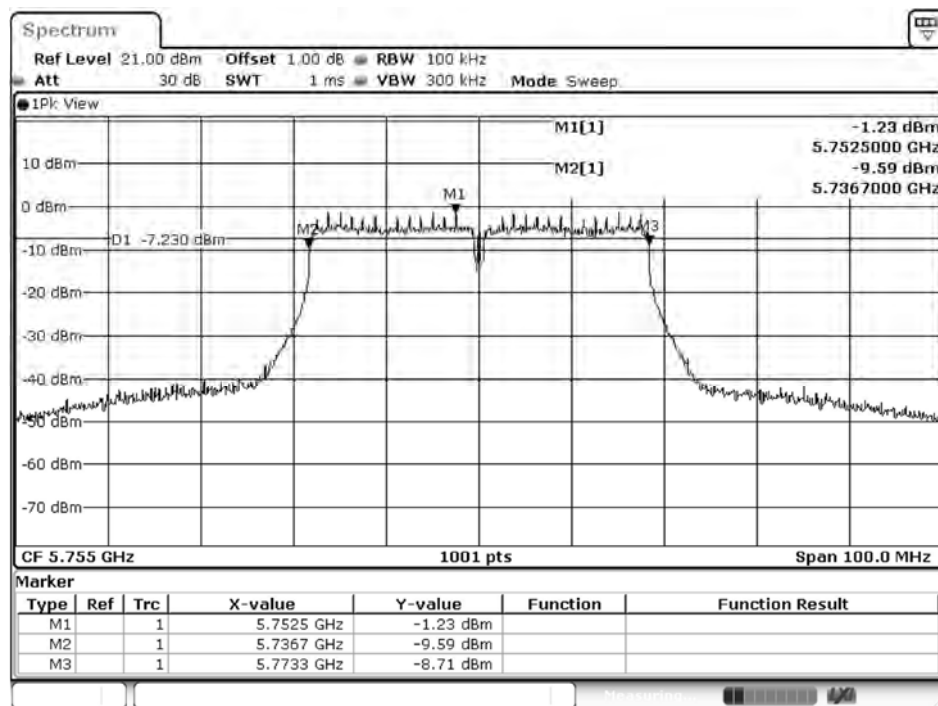


Figure Channel 151 (Chain C)

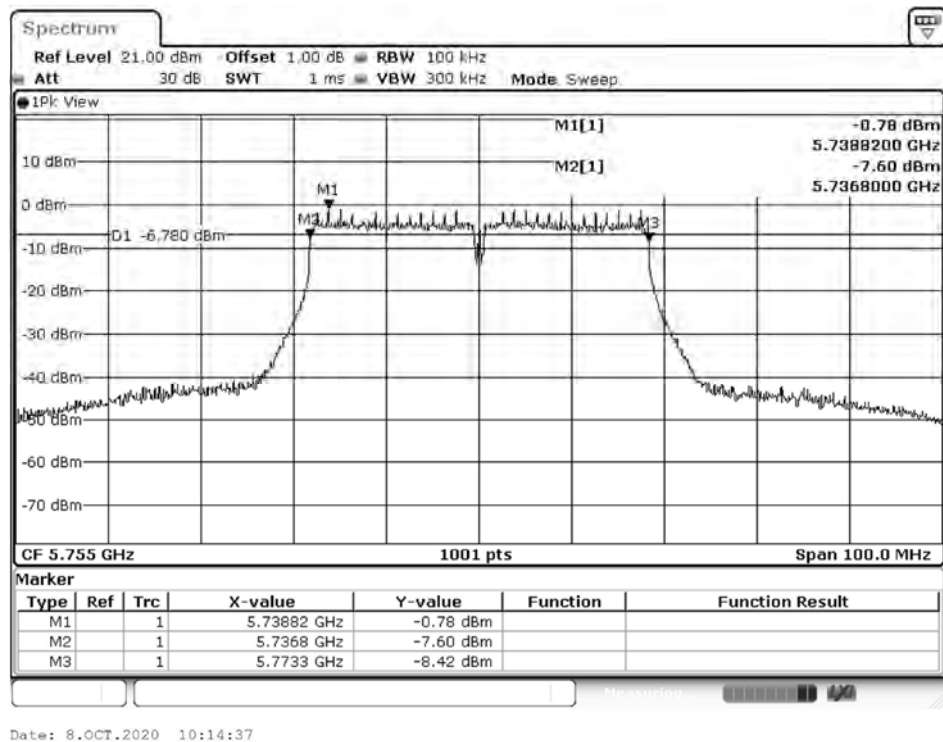


Figure Channel 151 (Chain D)

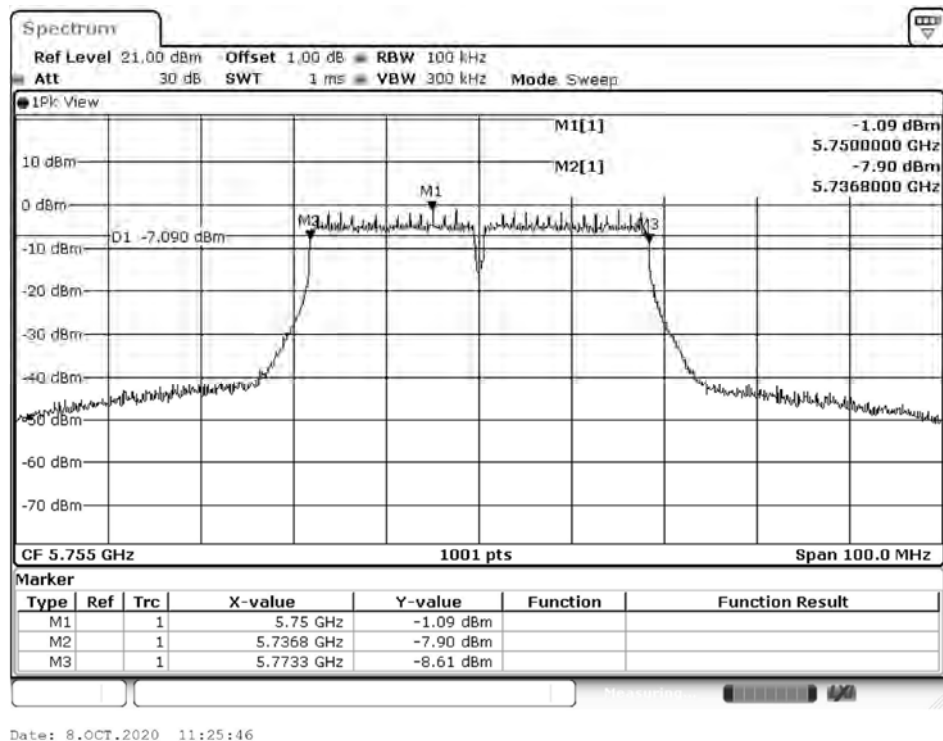


Figure Channel 159 (Chain A)

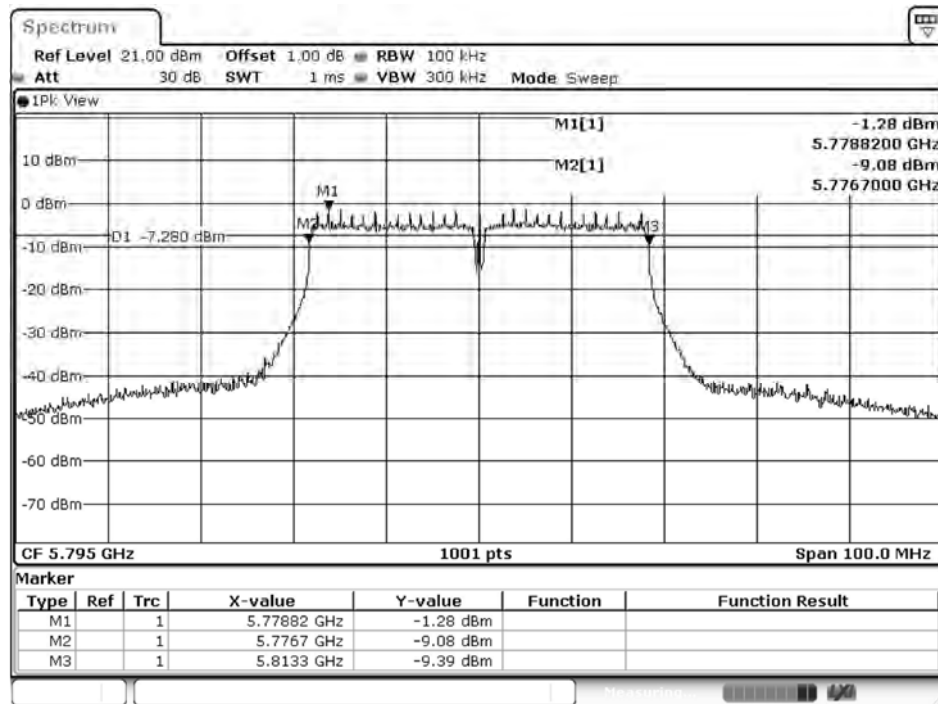


Figure Channel 159 (Chain B)

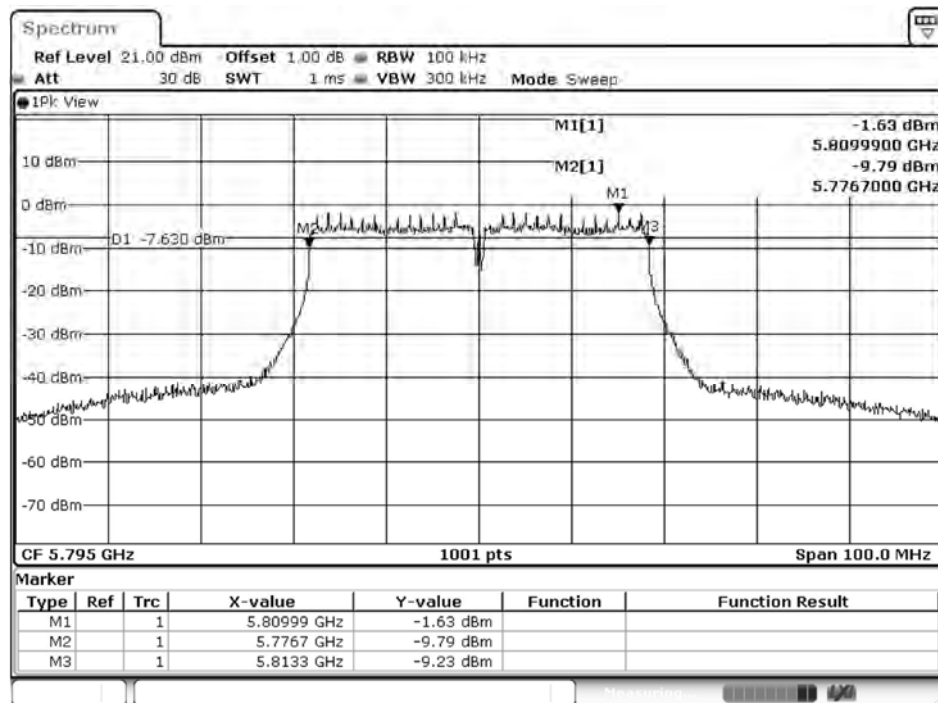


Figure Channel 159 (Chain C)

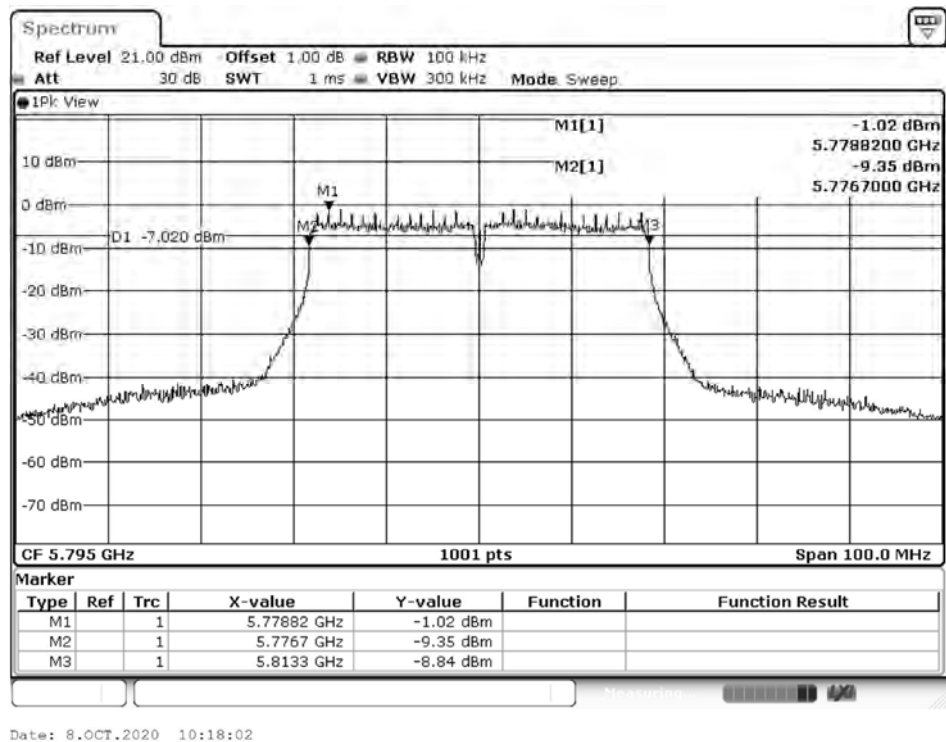
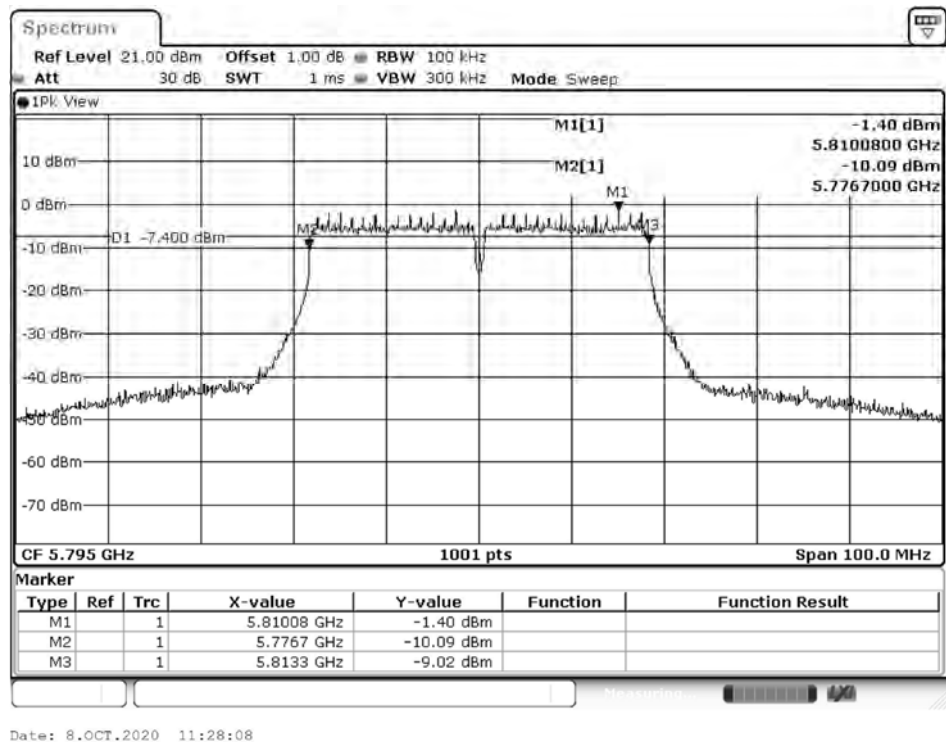
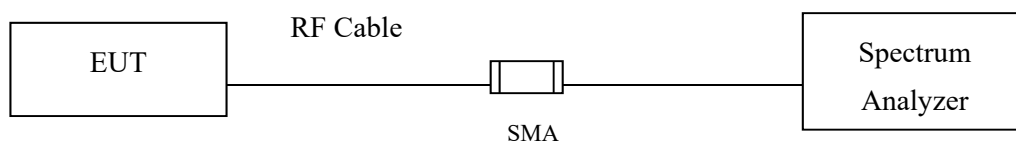


Figure Channel 159 (Chain D)



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 : Wireless Outdoor Router
Test Item : Duty Cycle
Test Mode : Transmit

Duty Cycle Formula:

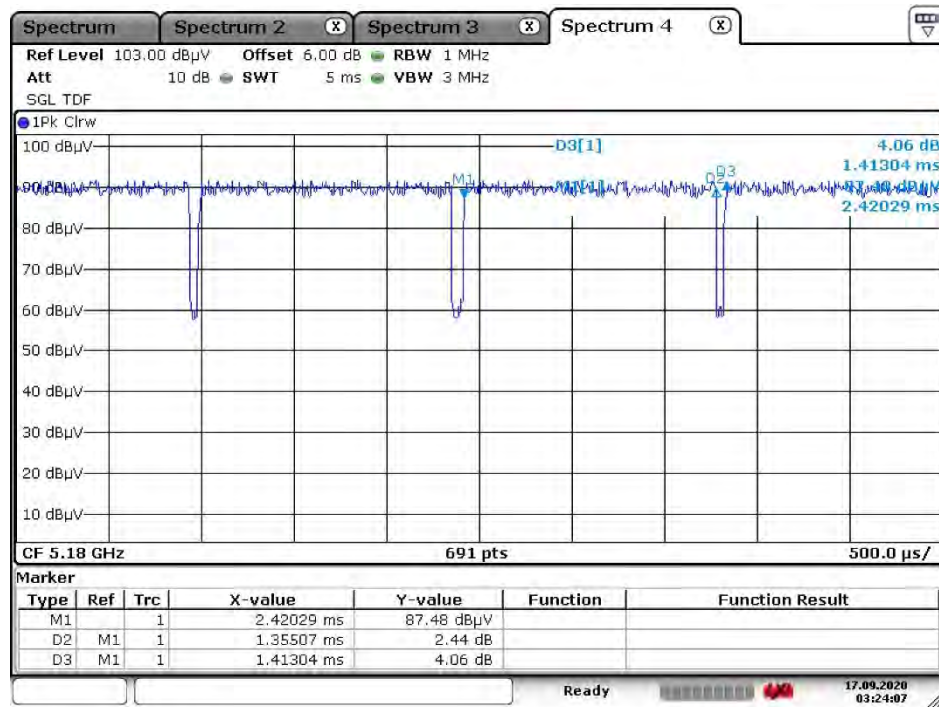
Duty Cycle = $Ton / (Ton + Toff)$

Duty Factor = $10 \text{ Log } (1/\text{Duty Cycle})$

Results:

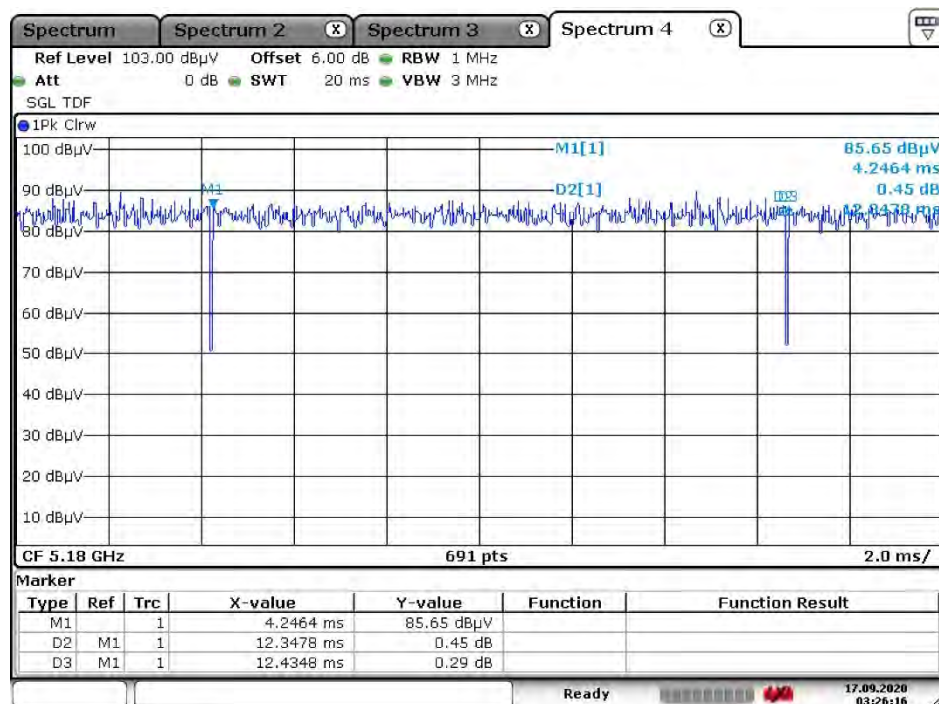
5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11a	1.3550	1.4130	95.90	0.18
802.11n	12.3478	12.4348	99.30	0.03
802.11n	5.9420	6.0580	98.09	0.08
802.11ac80	2.7826	2.8406	97.96	0.09

802.11a



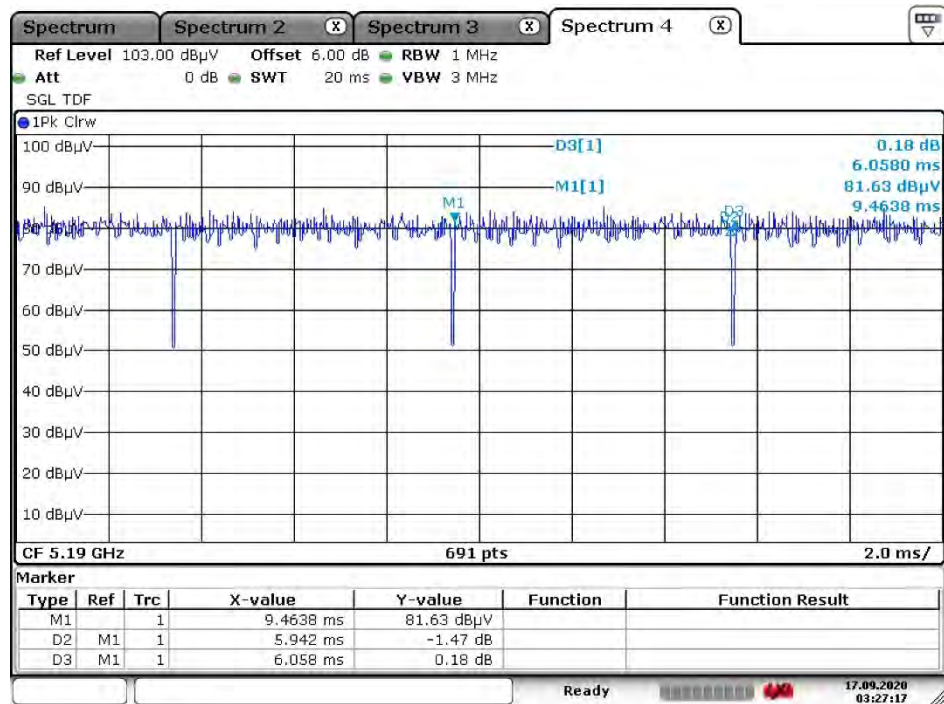
Date: 17.SEP.2020 03:24:07

802.11n/ac20



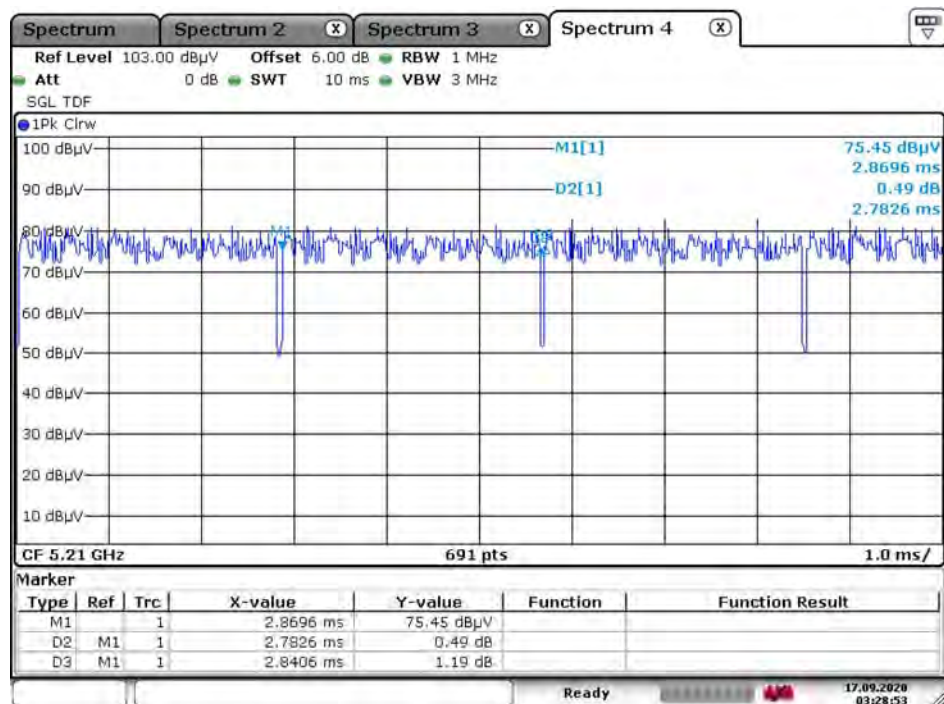
Date: 17.SEP.2020 03:26:17

802.11n/ac40



Date: 17.SEP.2020 03:27:18

802.11ac80



Date: 17.SEP.2020 03:28:54

9. EMI Reduction Method During Compliance Testing

No modification was made during testing.