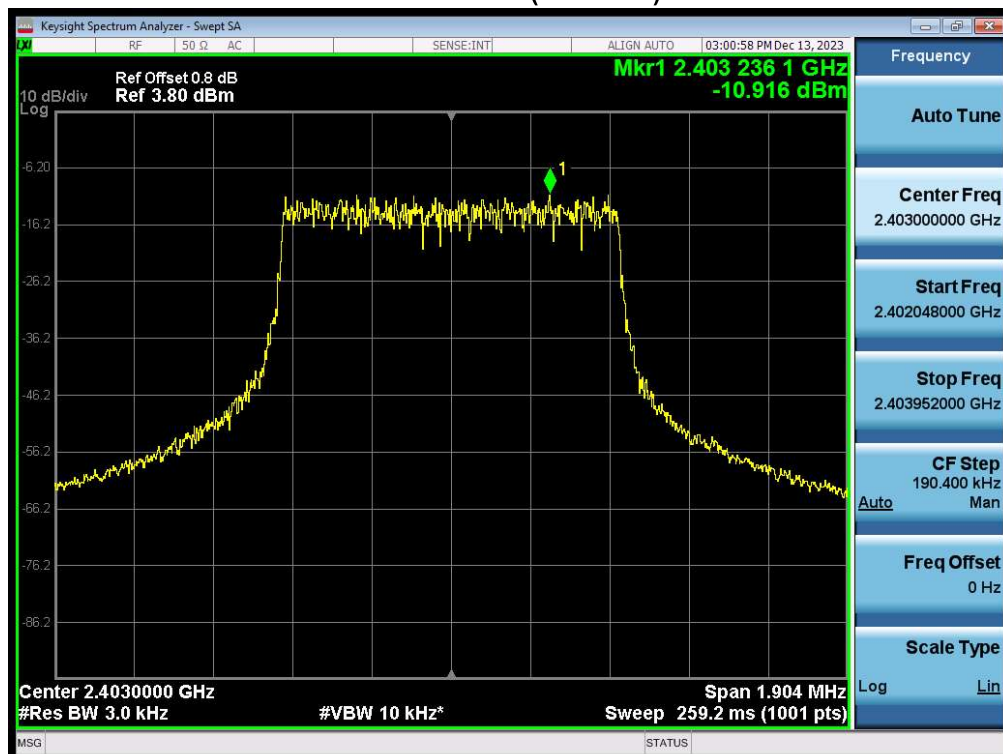


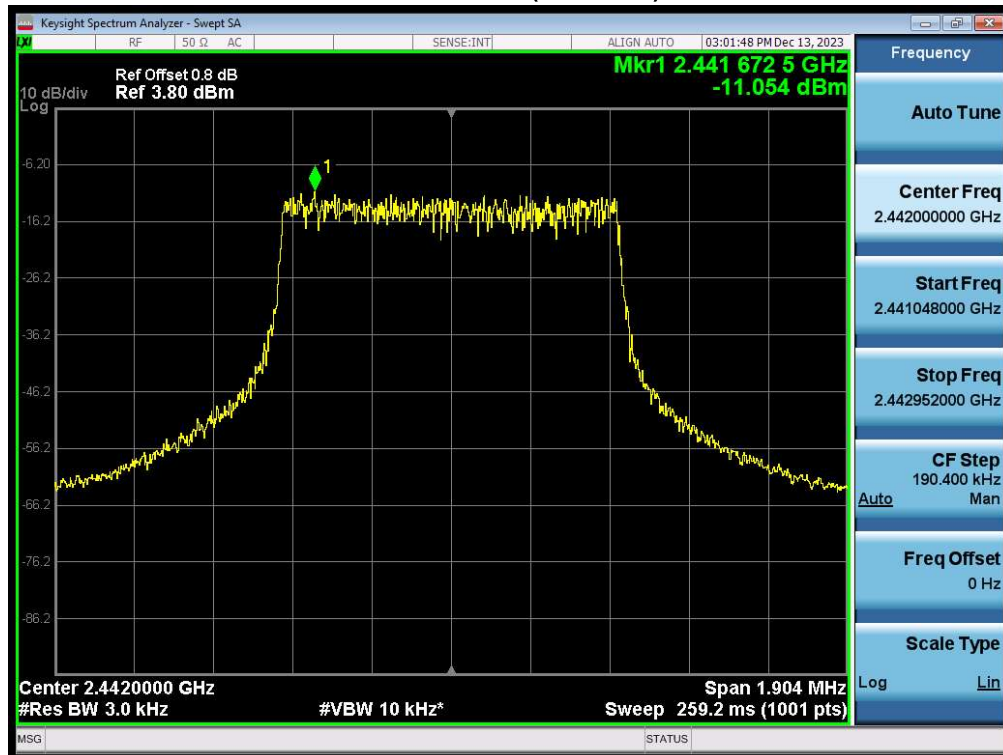
Mode 4 CH78(2480MHz)



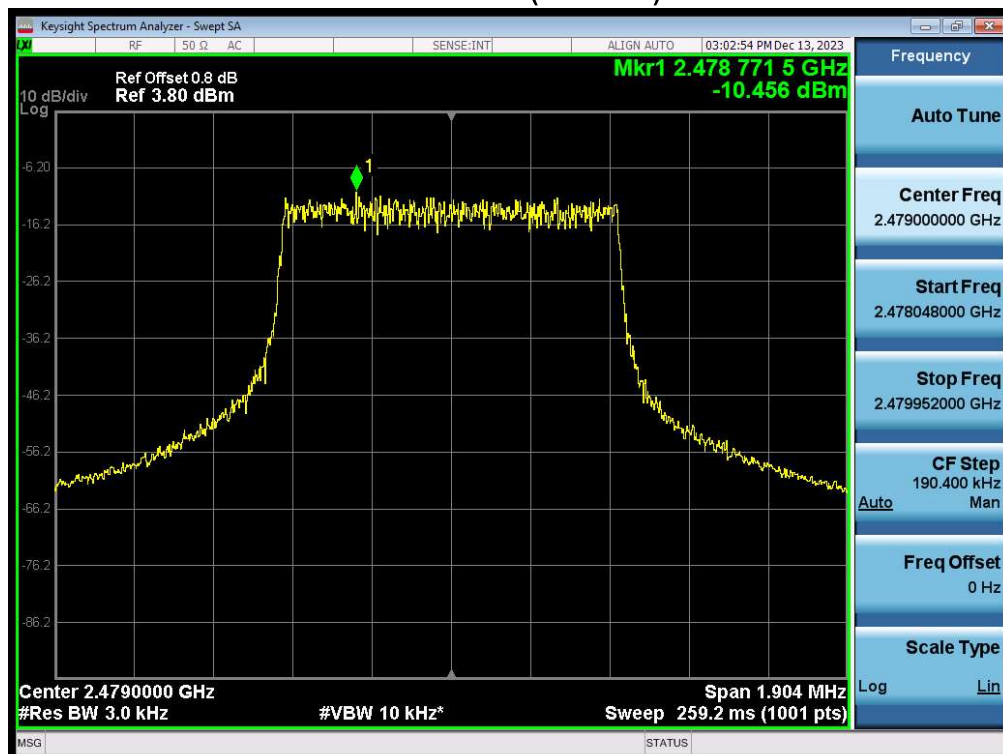
Mode 5 CH39(2403MHz)



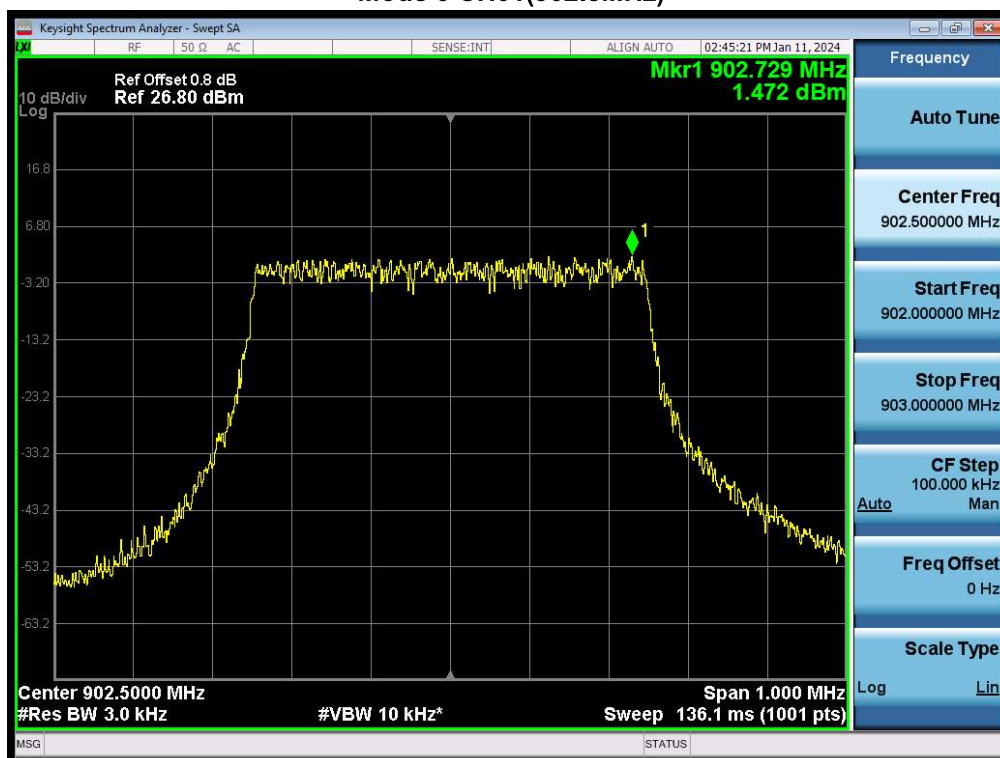
Mode 5 CH78(2442MHz)



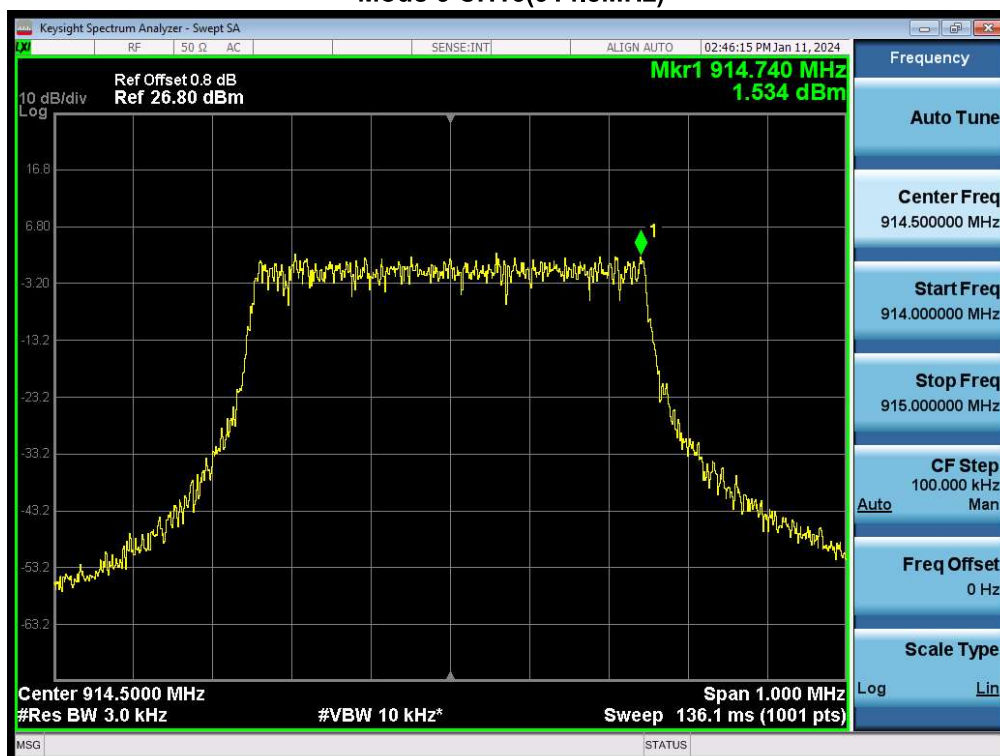
Mode 5 CH76(2479MHz)



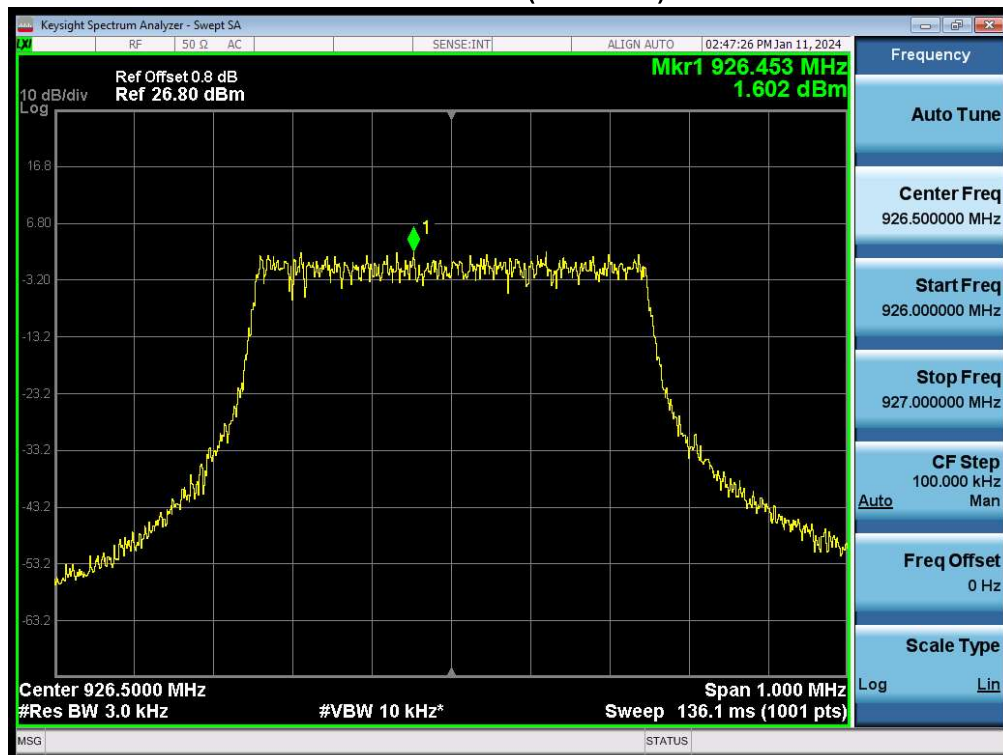
Mode 6 CH01(902.5MHz)



Mode 6 CH16(914.5MHz)

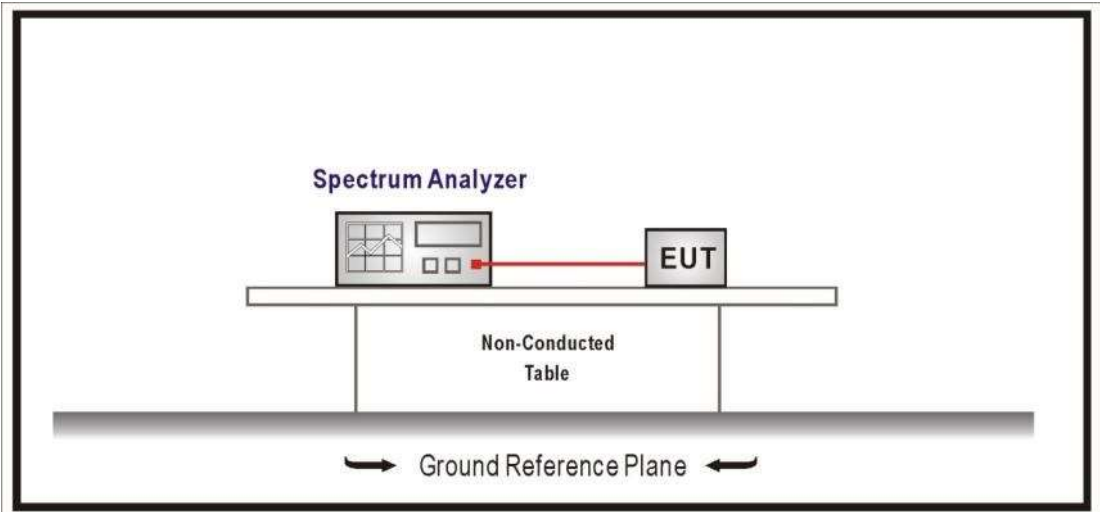


Mode 6 CH31(926.5MHz)



4.8 Carrier Frequency Separation	VERDICT: PASS
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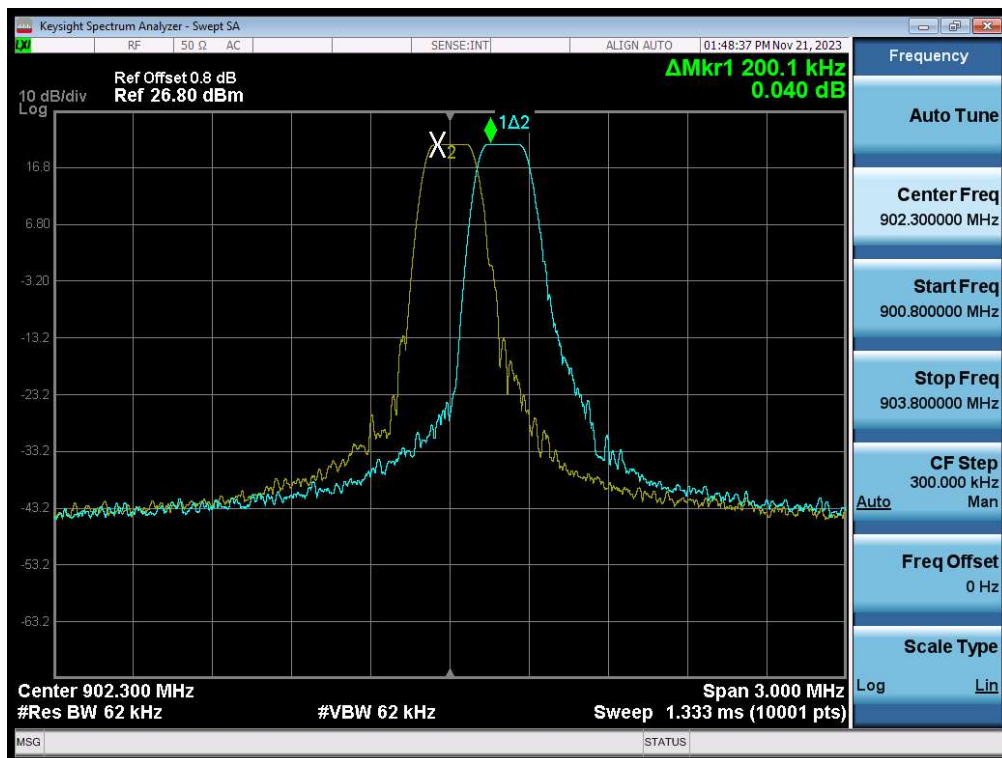
4.8.1 Limit:	
Standard	FCC Part 15 Subpart C Paragraph 15.247(a)(1)
Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.	

4.8.2 Test Setup


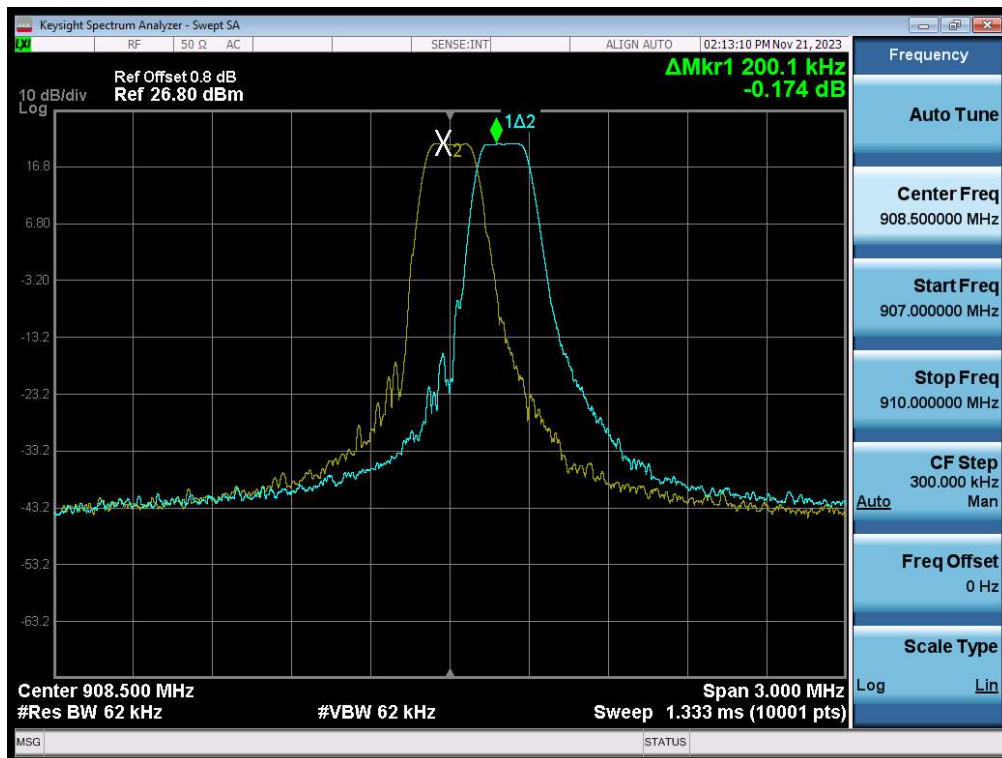
4.8.3 Test Procedure			
	References Rule	Chapter	Description
☒	ANSI C63.10	7.8.2	Carrier frequency separation

4.8.4 Test Data

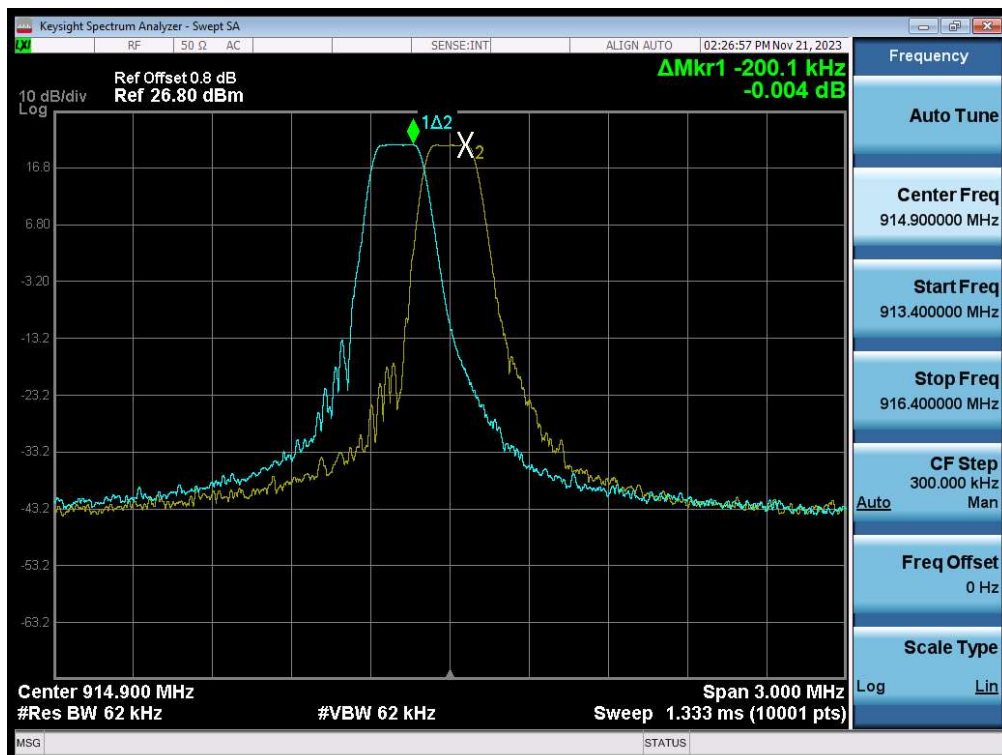
Mode	Channel	Test Frequency (MHz)	Carrier Frequency Separation (kHz)	Limit (kHz)	Result
1	00	902.3	200.1	≥ 139.5	Pass
	31	908.5	200.1	≥ 139.5	Pass
	63	914.9	200.1	≥ 143.2	Pass

Channel0 902.3MHz

Channel31 908.5MHz

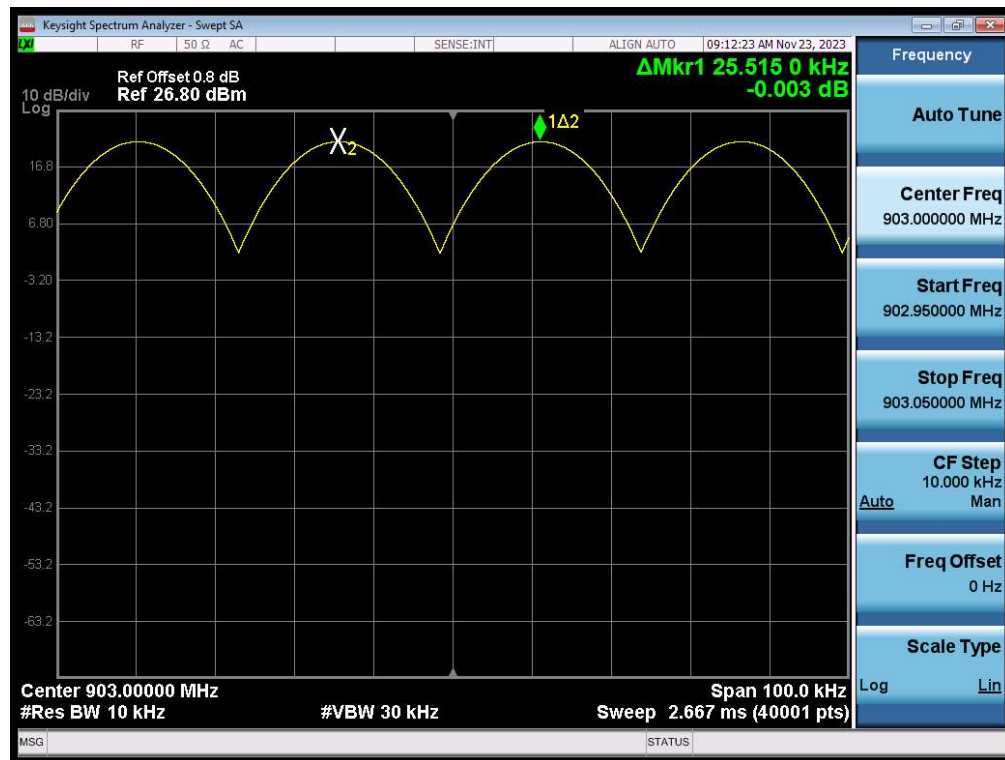


Channel63 914.9MHz

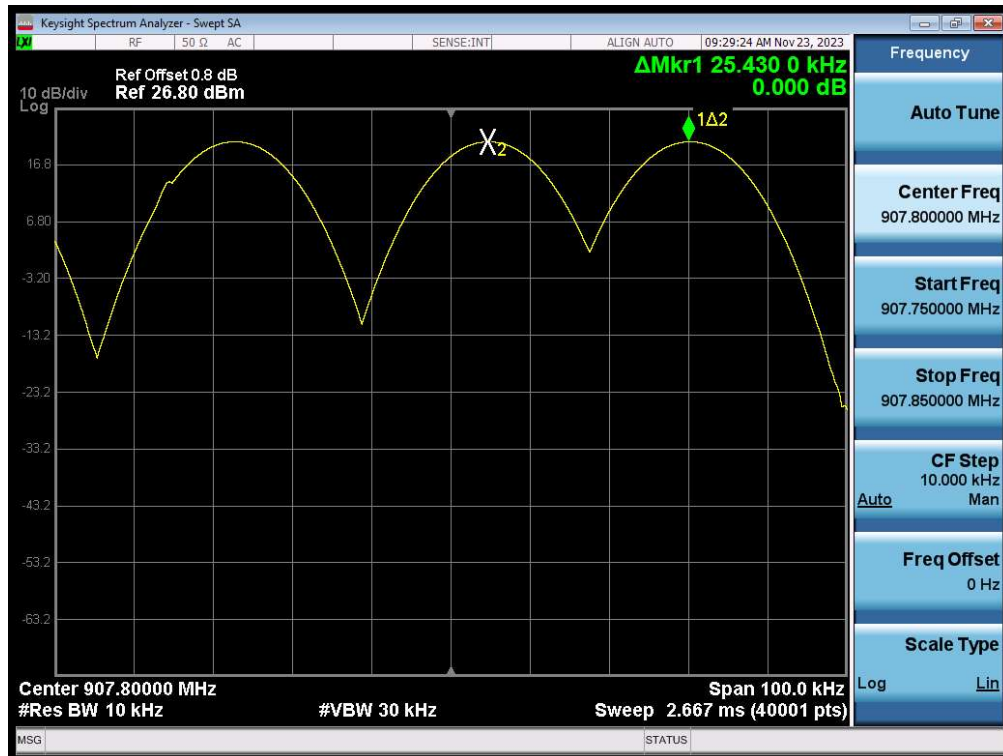


Mode	Channel	Test Frequency (MHz)	Carrier Frequency Separation (kHz)	Limit (kHz)	Result
3	64	903.0	25.515	≥ 25	Pass
	67	907.8	25.430	≥ 25	Pass
	71	914.2	25.480	≥ 25	Pass

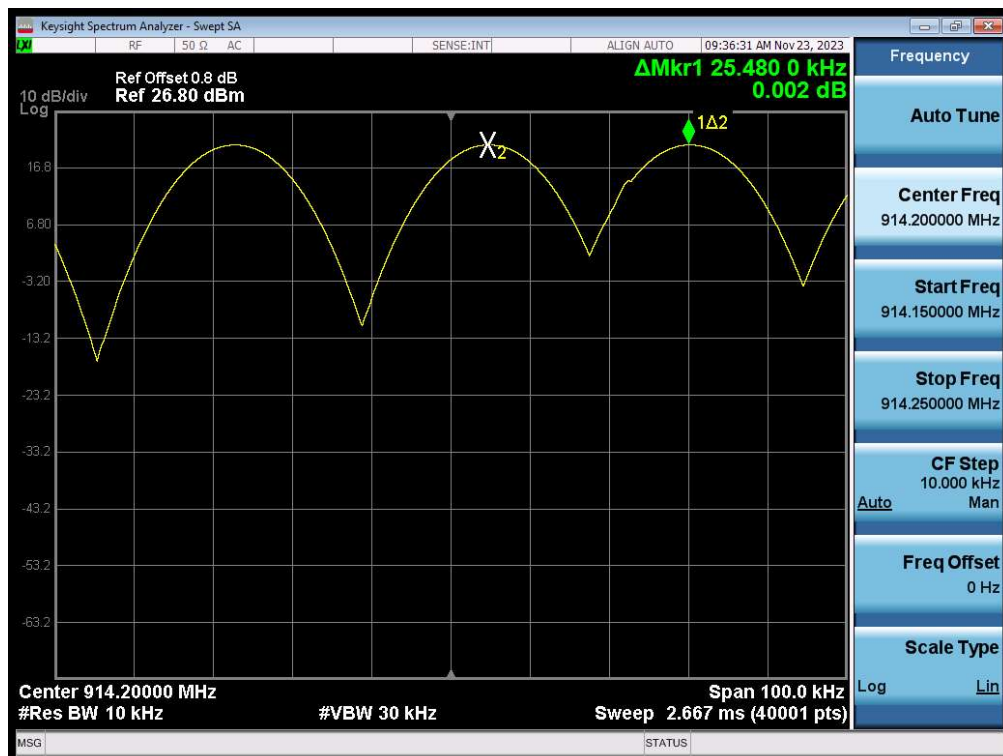
Channel 64 903MHz



Channel 67 907.8MHz

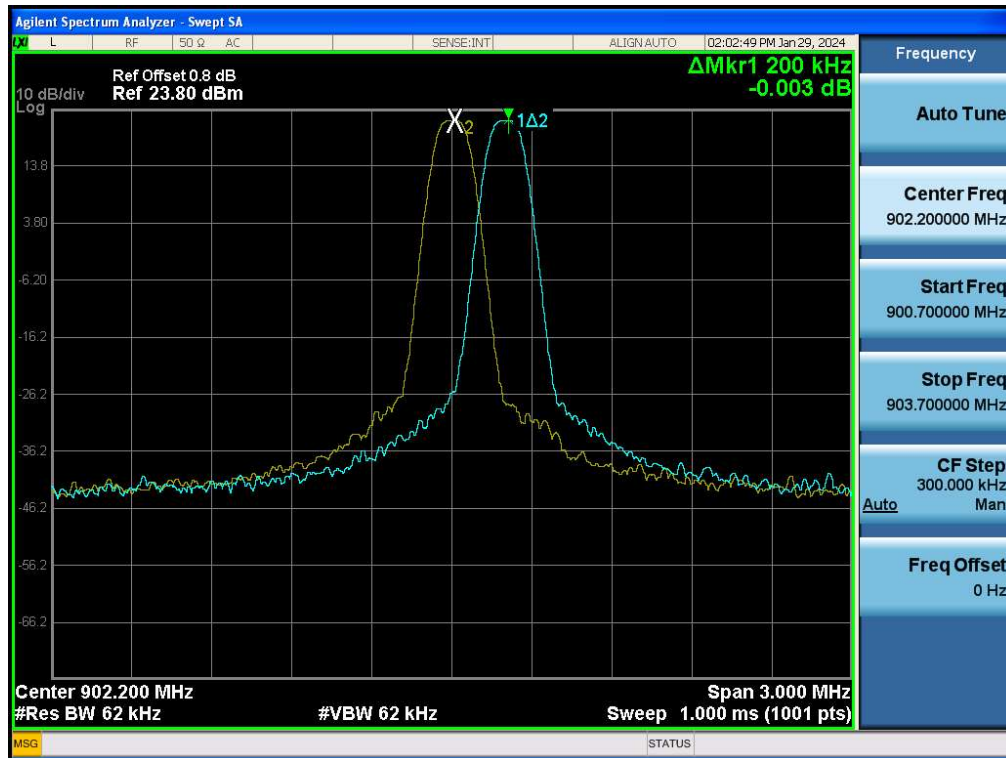


Channel 71 914.2MHz

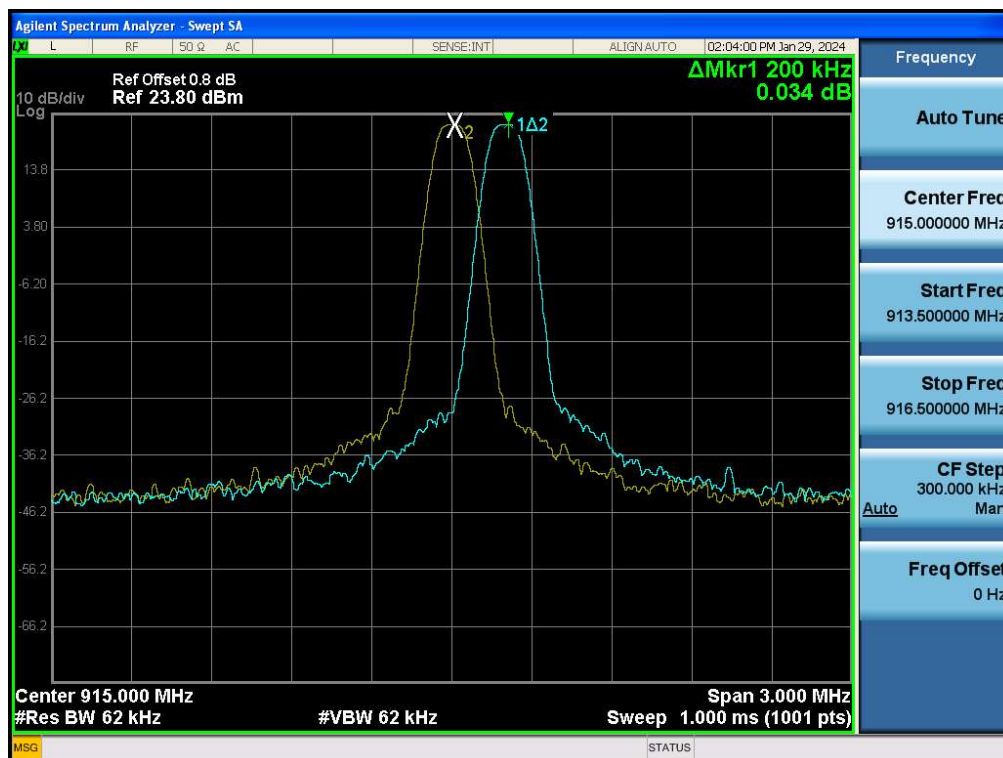


Mode	Channel	Test Frequency (MHz)	Carrier Frequency Separation (kHz)	Limit (kHz)	Result
7	01	902.2	200	≥ 106.9	Pass
	65	915	200	≥ 106	Pass
	129	927.8	200	≥ 105.5	Pass

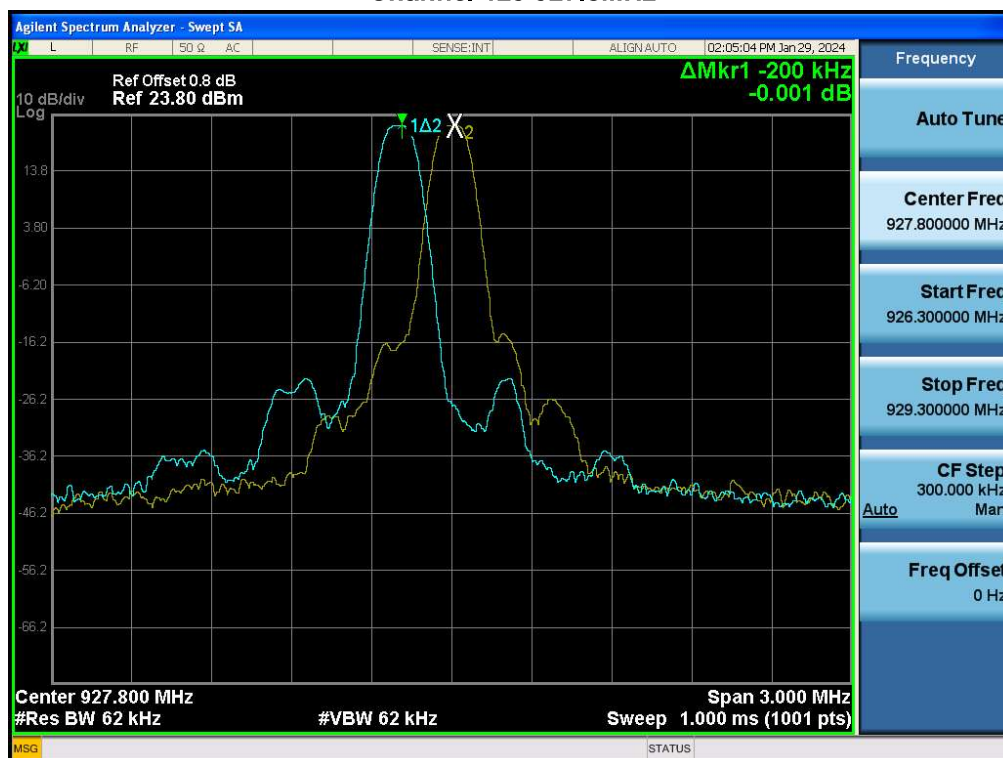
Channel 01 902.2MHz



Channel 65 915MHz



Channel 129 927.8MHz

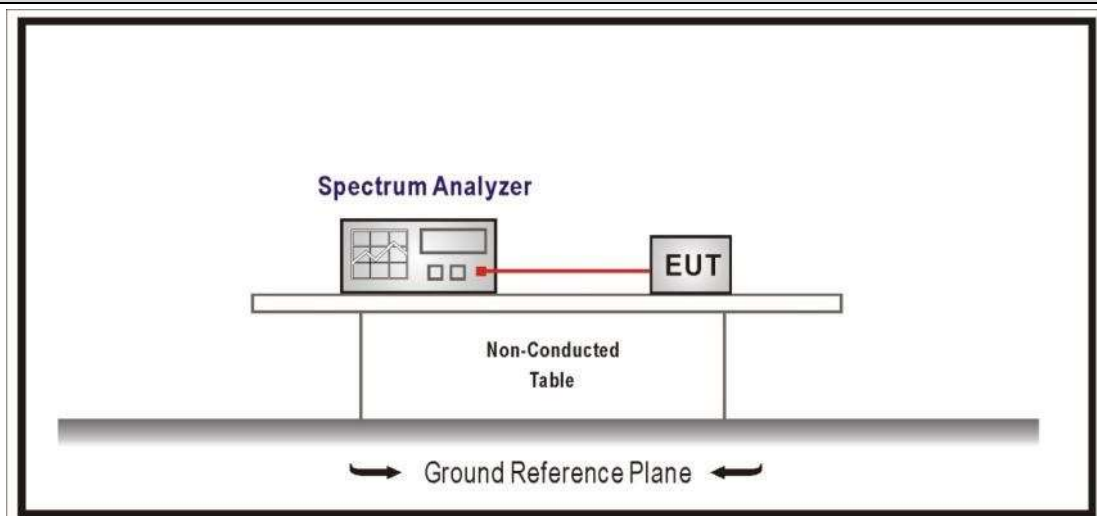


4.9 Number of Hopping Frequencies	VERDICT: PASS
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4.9.1 Limit:

Standard	FCC Part 15 Subpart C Paragraph 15.247 15.247(a)(1) (iii)
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For frequency hopping systems operating in 902-928 MHz band, if the 20 dB bandwidth of the hopping channel is less than 250 kHz, shall use at least 50 hopping frequencies.

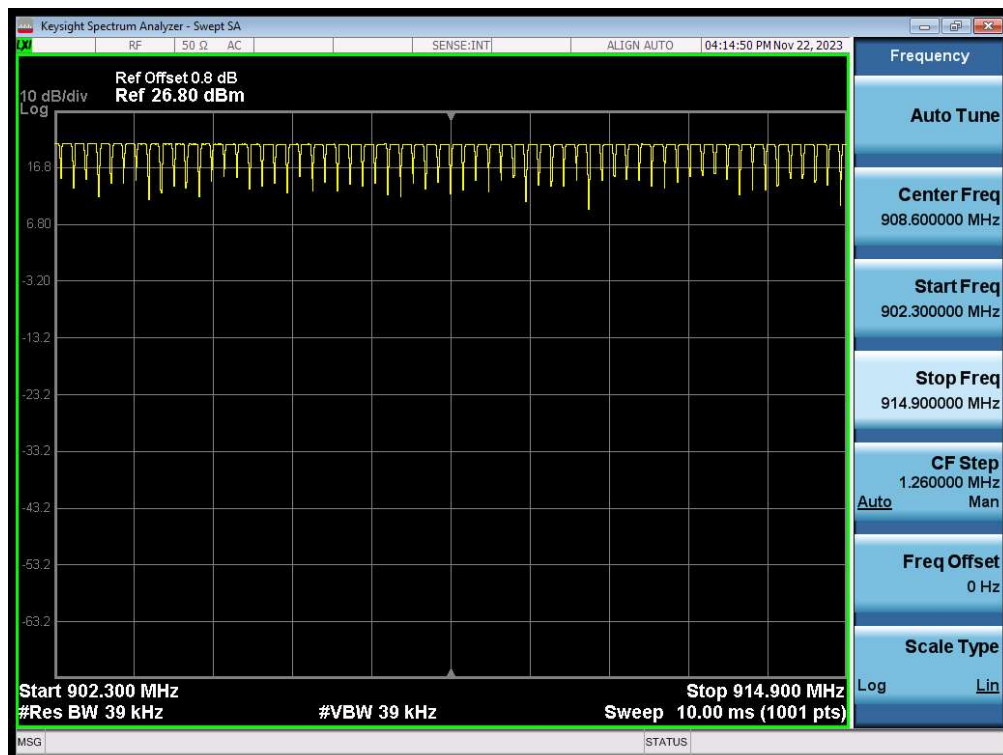
4.9.2 Test Setup**4.9.3 Test Procedure**

	References Rule	Chapter	Description
☒	ANSI C63.10	7.8.3	Number of Hopping Frequencies

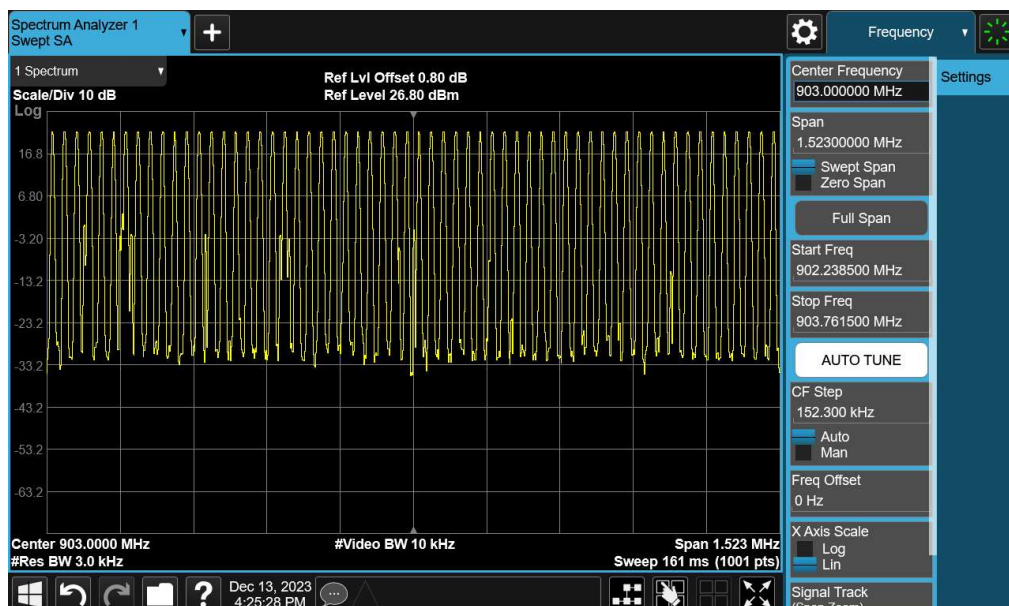
4.9.4 Test Data

Mode	Frequency Band	Number of Hopping Frequencies	Limit	Result
1	902~928MHz	64	50	Pass
3	902~928MHz	60	50	Pass
7	902~928MHz	129	50	Pass

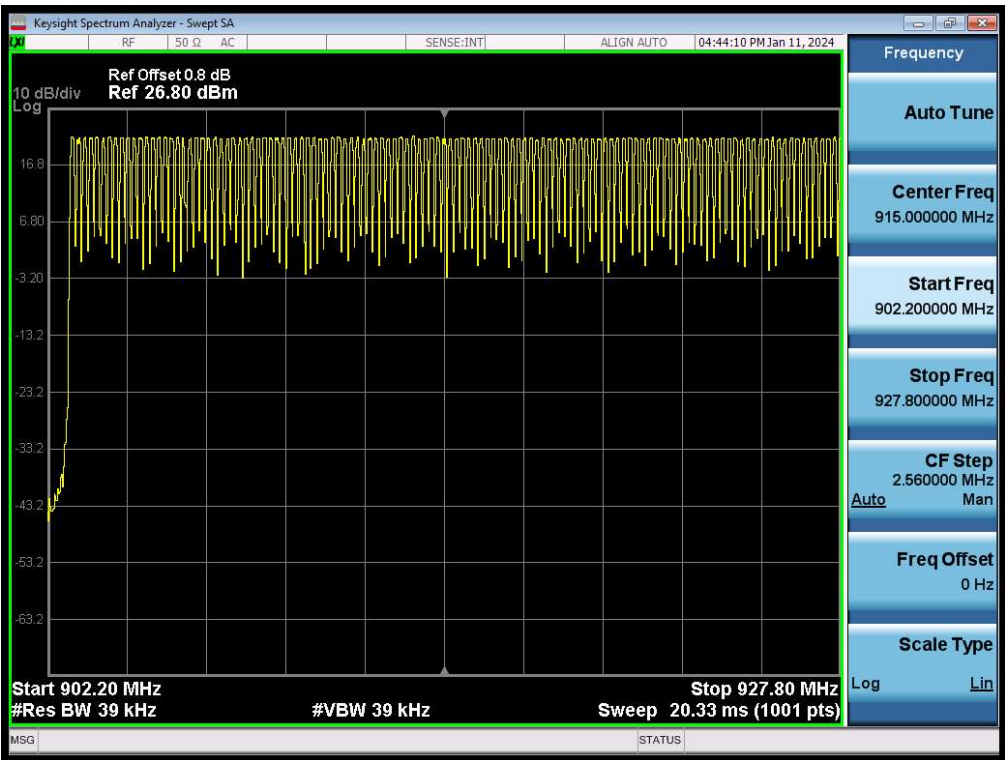
Model 1



Model 3

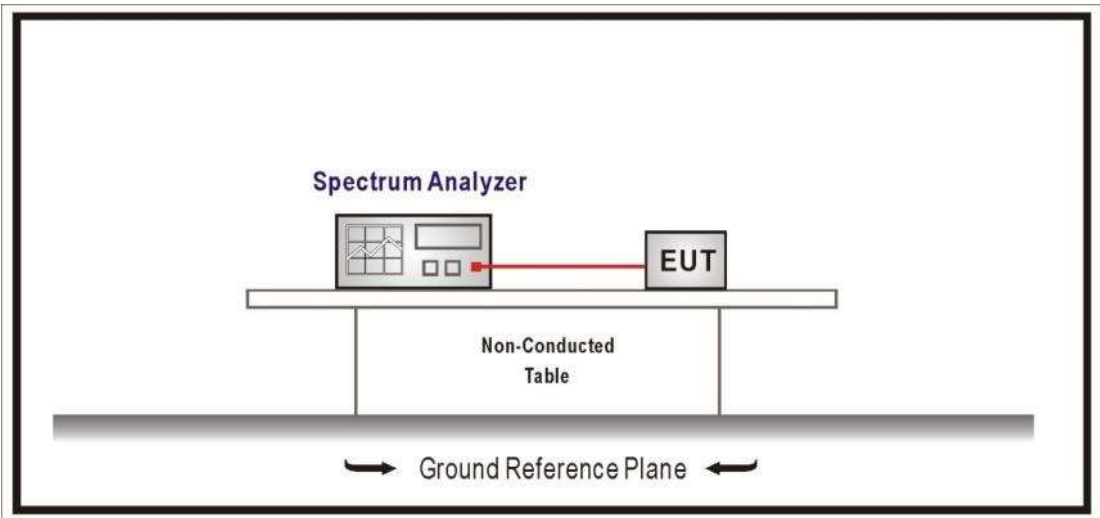


Model 7



4.10 Time of Occupancy (Dwell Time)	VERDICT: PASS
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4.10.1 Limit:	
Standard	FCC Part 15 Subpart C Paragraph 15.247(a)(1)(iii)
For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period	

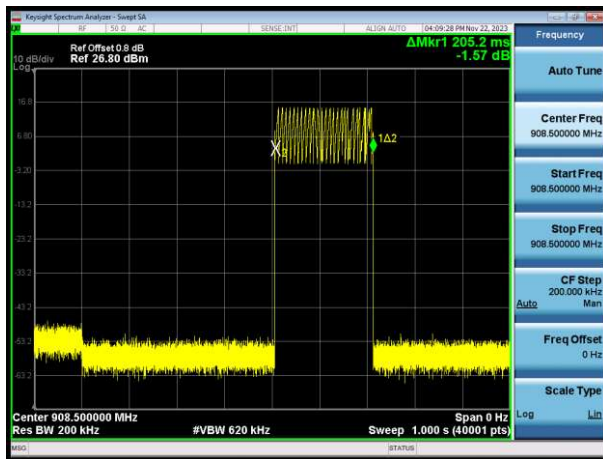
4.10.2 Test Setup


4.10.3 Test Procedure			
	References Rule	Chapter	Description
☒	ANSI C63.10	7.8.4	Time of Occupancy (Dwell Time)

4.10.4 Test Data

Mode	Channel No.	Frequency (MHz)	Time of Occupancy (ms)	Limit (ms)	Result
1	36	908.5	205.2	≤ 400	Pass
3	67	907.8	204.4	≤ 400	Pass
7	65	915	3.184	≤ 400	Pass

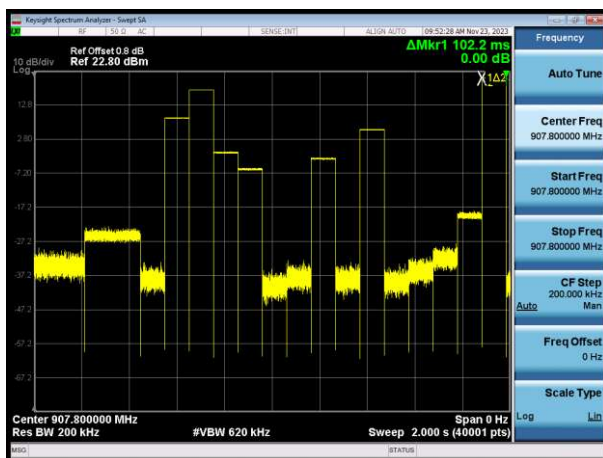
Model 1



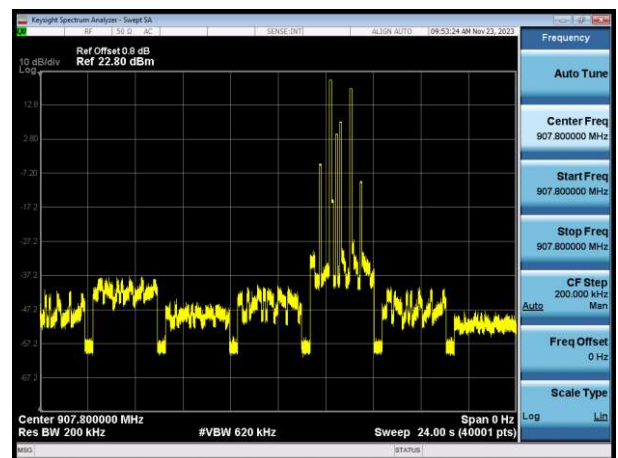
Model 1



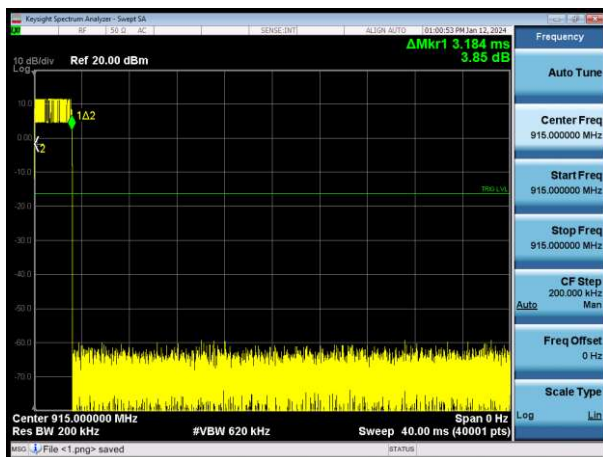
Model 3



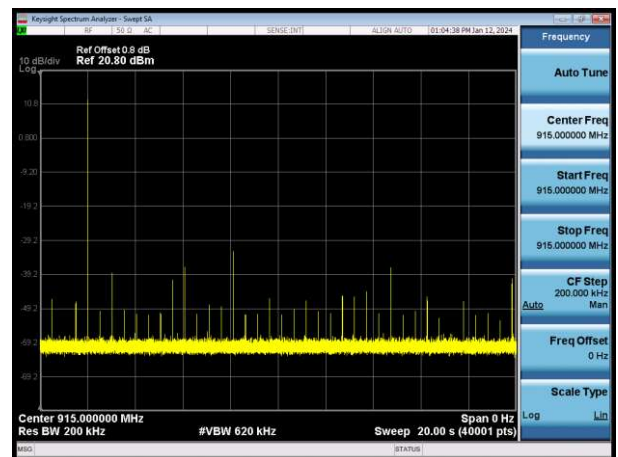
Model 3



Model 7



Model 7



4.11 Antenna Requirement**VERDICT: PASS****4.11.1 Limit:****Standard**

FCC Part 15 Subpart C Paragraph 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

4.11.2 Antenna Connector Construction:

- | | |
|-------------------------------------|--|
| ☐ | The use of a permanently attached antenna |
| ☐ | The antenna use of a unique coupling to the intentional radiator |
| ☒ | The use of a nonstandard antenna jack of reverse polarity SMA |
| ☐ | The antenna use standard connector with non-standard thread dimensions |

Please refer to the attached document "Internal Photograph" to show the antenna connector.

5 TEST SETUP PHOTO AND EUT PHOTO	VERDICT: PASS
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Remark: The test setup photo and EUT Photo please see appendix.

_____ The End _____