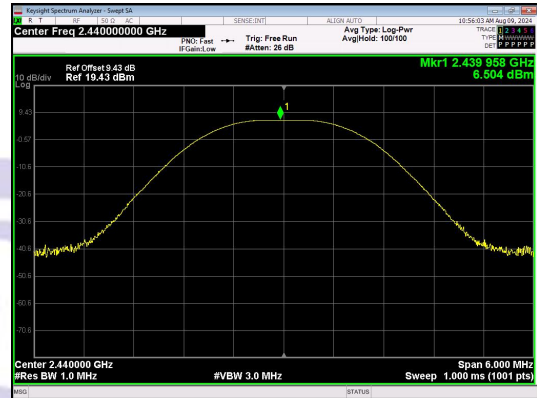


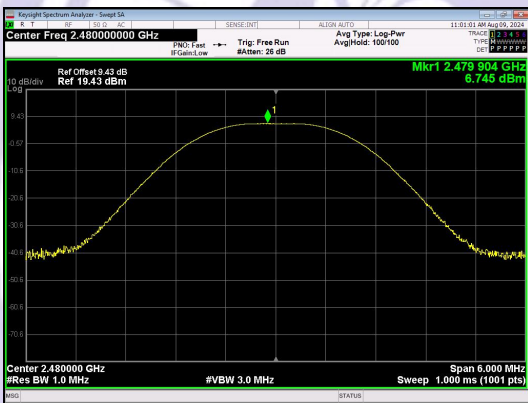
Peak Output Power

BLE 1M\_Channel 0



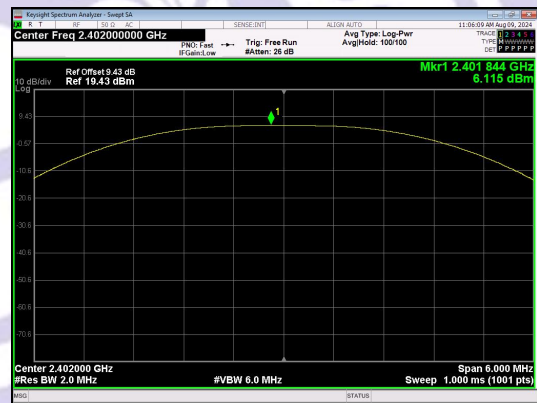
Peak Output Power

BLE 1M\_Channel 19



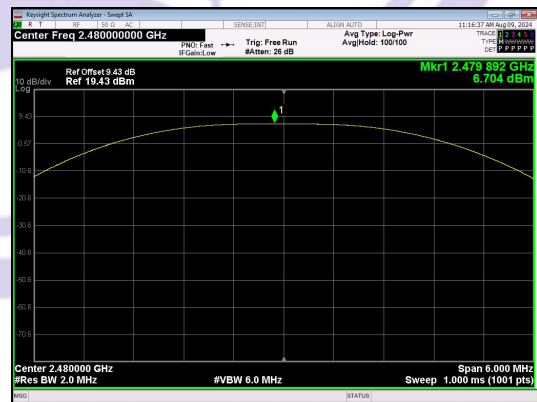
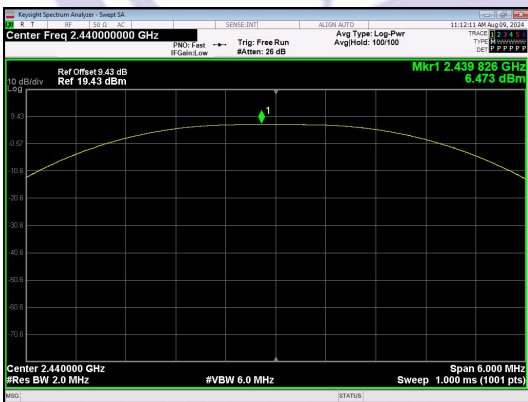
Peak Output Power

BLE 1M\_Channel 39



Peak Output Power

BLE 2M\_Channel 0



Peak Output Power	Peak Output Power
BLE 2M_Channel 19	BLE 2M_Channel 39



## 10 Power Spectral density

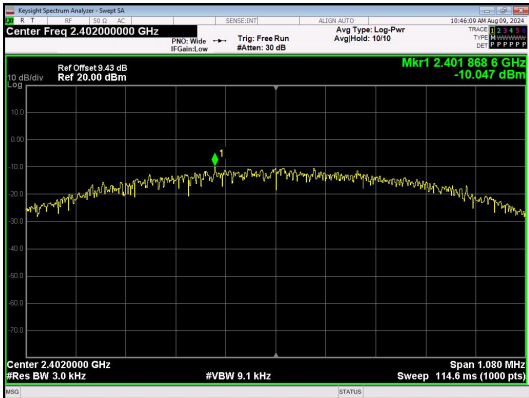
- Test Requirement : FCC CFR47 Part 15 Section 15.247 (e)&RSS-247 [5.2(2)]
- Test Method : ANSI C63.10:2013 and RSS-Gen
- Test Limit : Regulation 15.247(f) The power spectral density conducted from the intentional radiator to the antenna due to the digital modulation operation of the hybrid system, with the frequency hopping operation turned off, shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### 10.1 Test Procedure

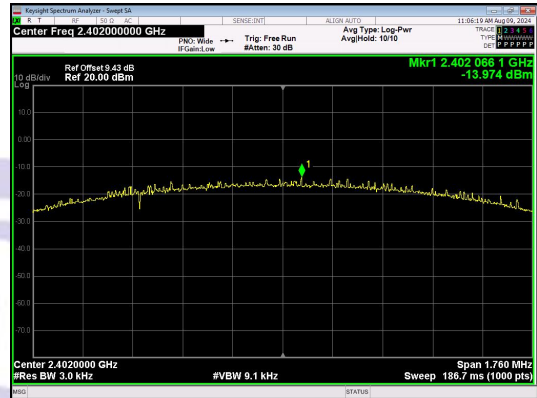
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 3kHz. VBW = 9.1kHz , Span = 1.5 times the DTS channel bandwidth(6 dB bandwidth). Sweep = auto; Detector Function = Peak. Trace = Max hold.
3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

### 10.2 Test Result

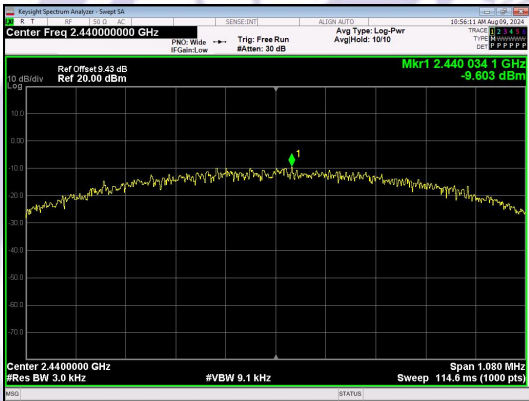
Mode	Channel number	Channel frequency (MHz)	Measurement level (dBm)	Required Limit (dBm/3kHz)	Pass/Fail
			PSD/3kHz		
LE	00	2402	-10.047	8	PASS
	19	2440	-9.603	8	PASS
	39	2480	-9.679	8	PASS
2LE	00	2402	-13.974	8	PASS
	19	2440	-12.512	8	PASS
	39	2480	-12.242	8	PASS



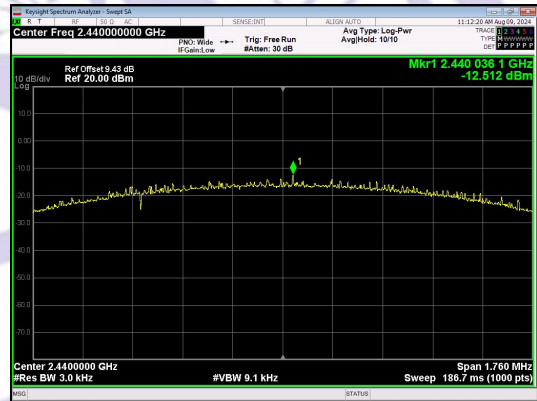
BLE 1M\_Channel 0



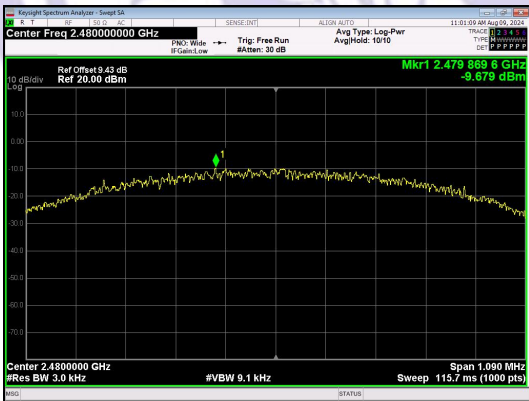
BLE 2M\_Channel 0



BLE 1M\_Channel 19



BLE 2M\_Channel 19



BLE 1M\_Channel 39



BLE 2M\_Channel 39



## **11 Antenna Application**

### **11.1 Antenna Requirement**

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

### **11.2 Result**

The antenna is PCB Antenna, the best case gain of the antennas is 3.28dBi, reference to the appendix II for details

## 12 Test Setup

Please see the attachment for details.



### 13 EUT Photos

Please see the attachment for details.

\*\*\*\*\*THE END REPORT\*\*\*\*\*

