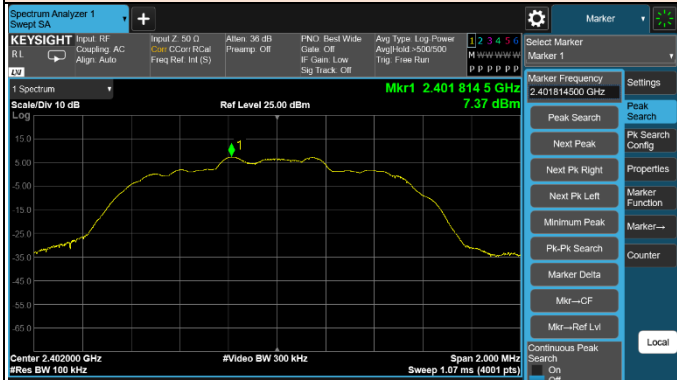


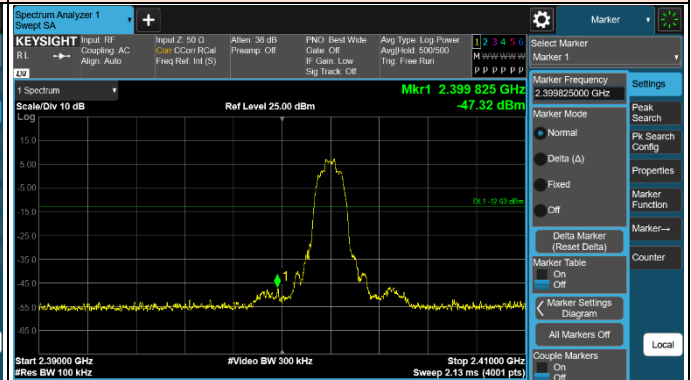


TM 3

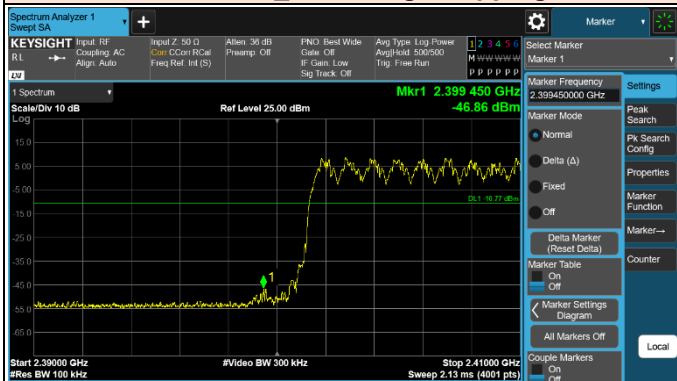
2 402 MHz \_ Ref.



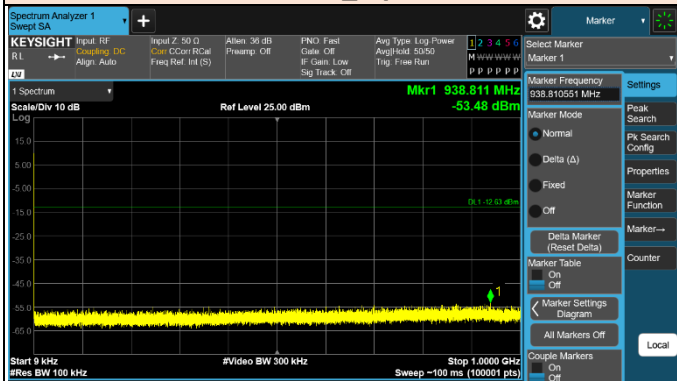
2 402 MHz \_ Band edge



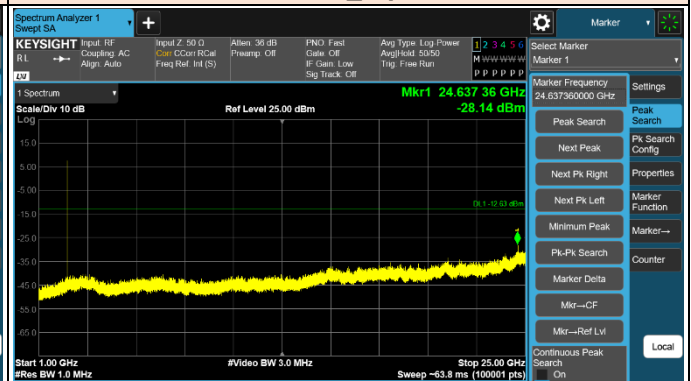
2 402 MHz \_ Band edge Hopping



2 402 MHz \_ Spurious



2 402 MHz \_ Spurious

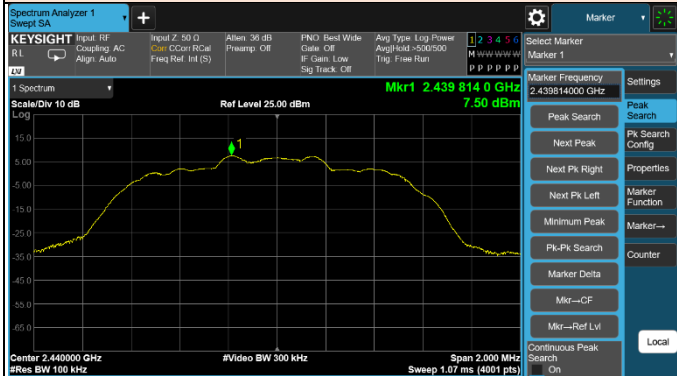




BUREAU VERITAS

### TM 3

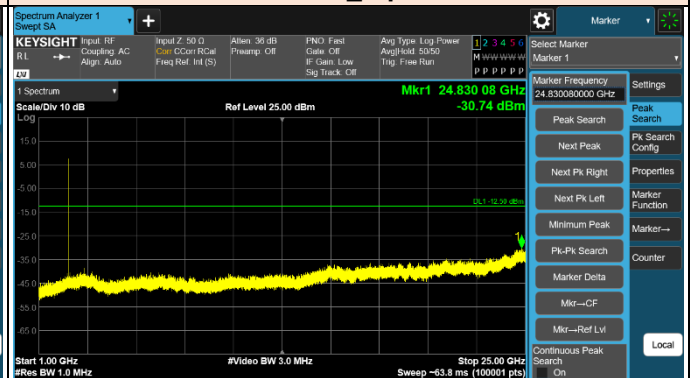
#### 2 440 MHz \_ Ref.



#### 2 440 MHz \_ Spurious



#### 2 440 MHz \_ Spurious

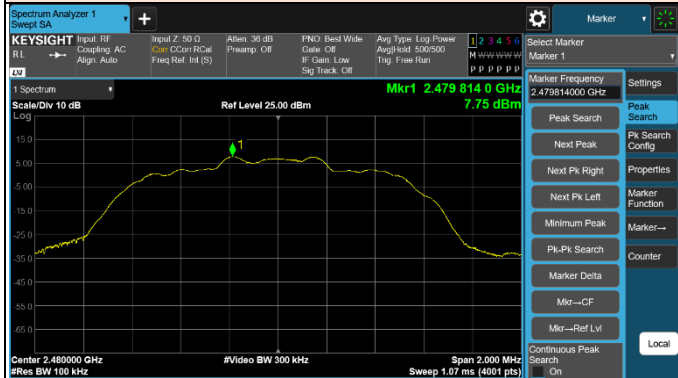




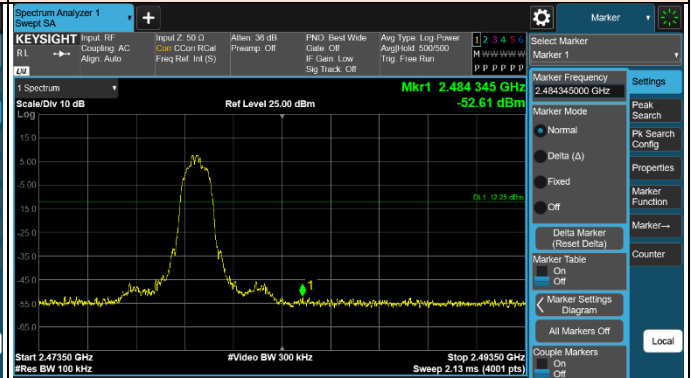
BUREAU VERITAS

### TM 3

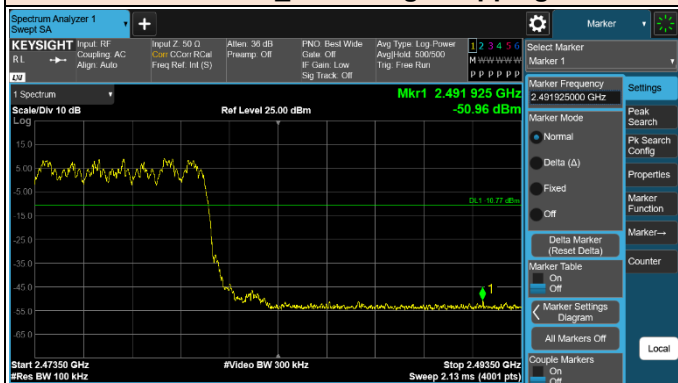
#### 2 480 MHz \_ Ref.



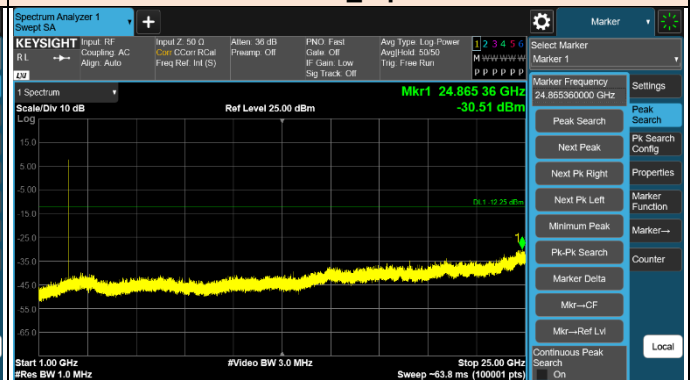
#### 2 480 MHz \_ Band edge



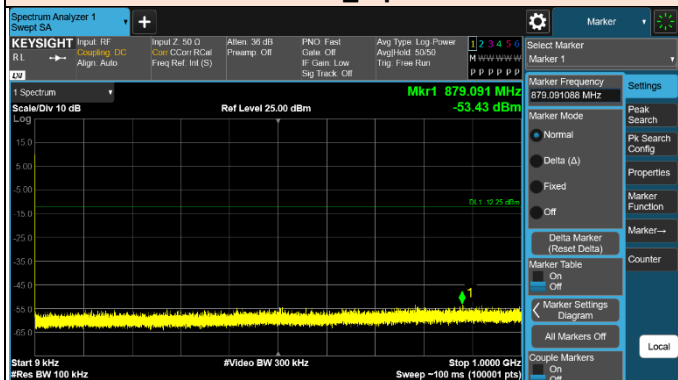
#### 2 480 MHz \_ Band edge Hopping



#### 2 480 MHz \_ Spurious

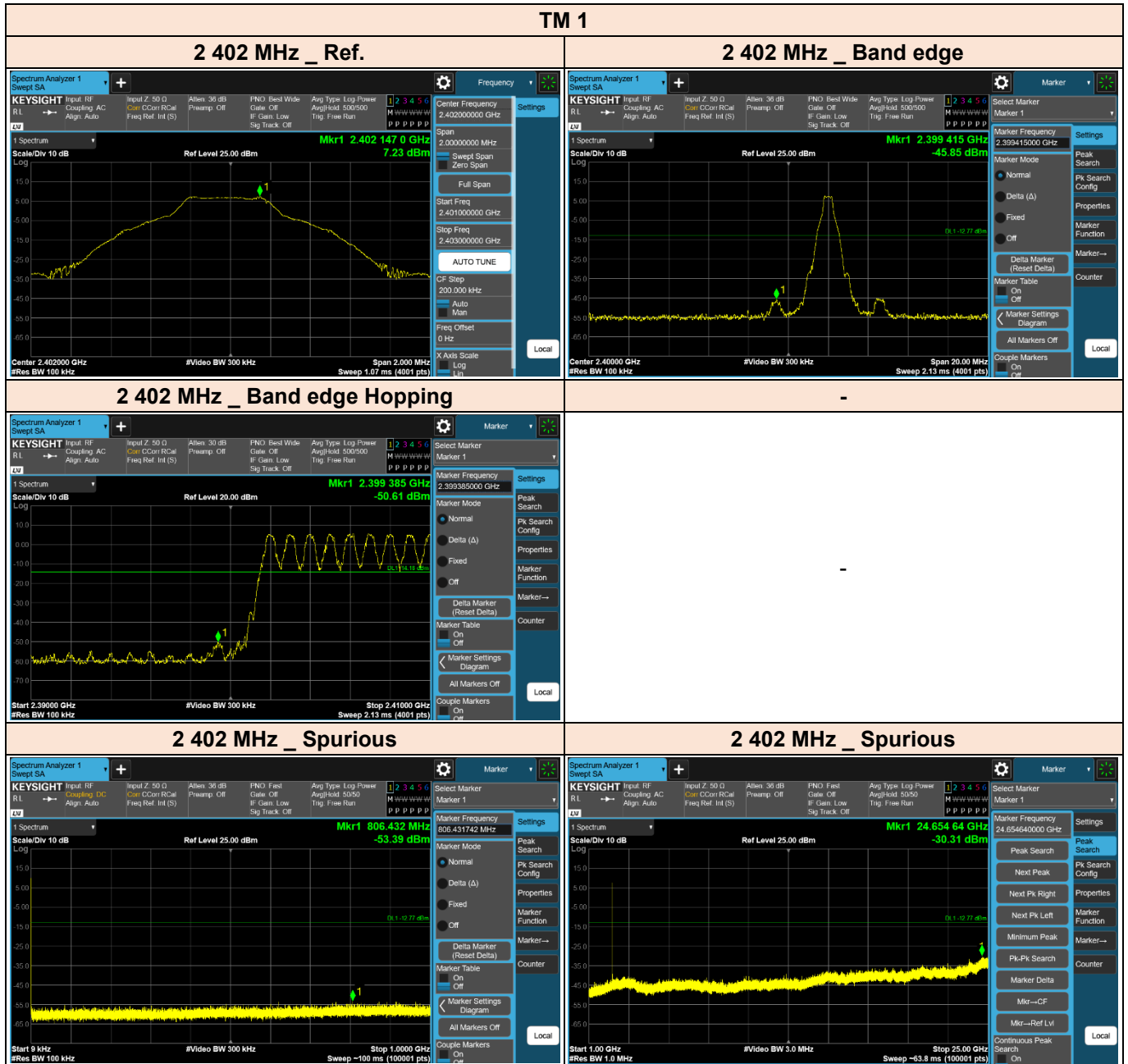


#### 2 480 MHz \_ Spurious





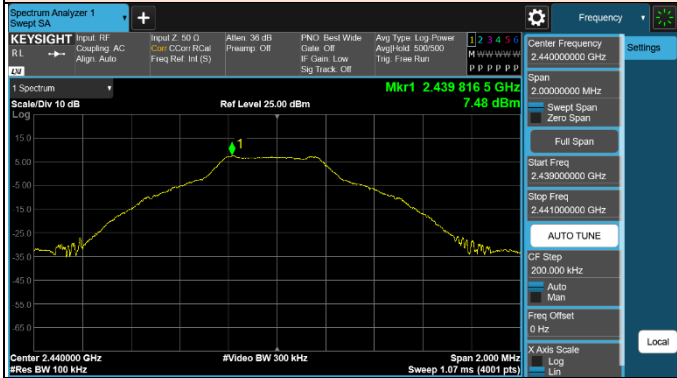
### [DC 24 V Spurious Emission]



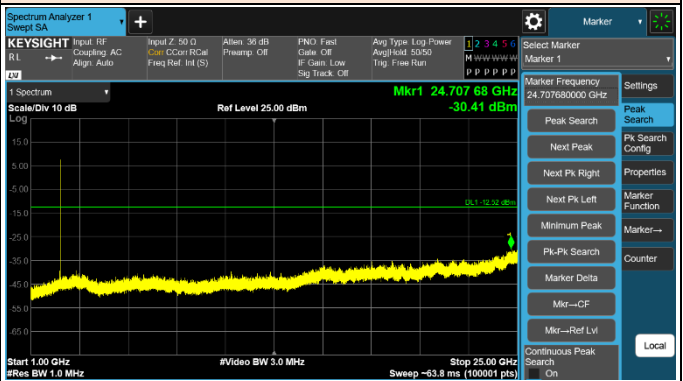
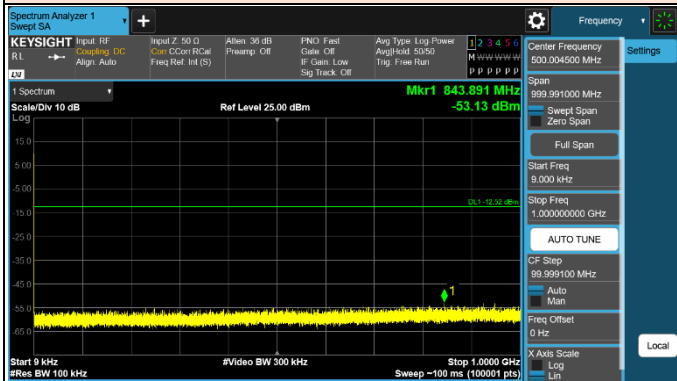


TM 1

2 440 MHz \_ Ref.



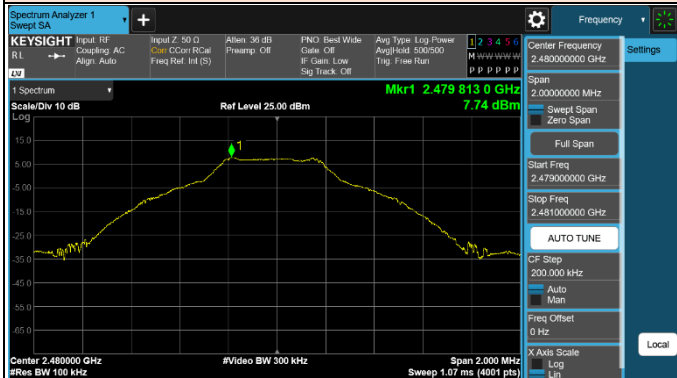
2 440 MHz \_ Spurious



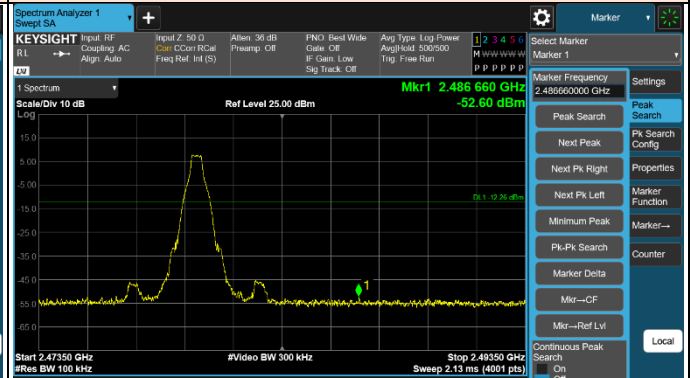


TM 1

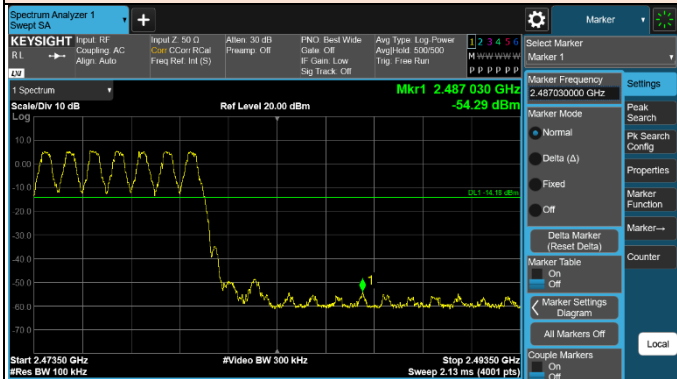
2 480 MHz \_ Ref.



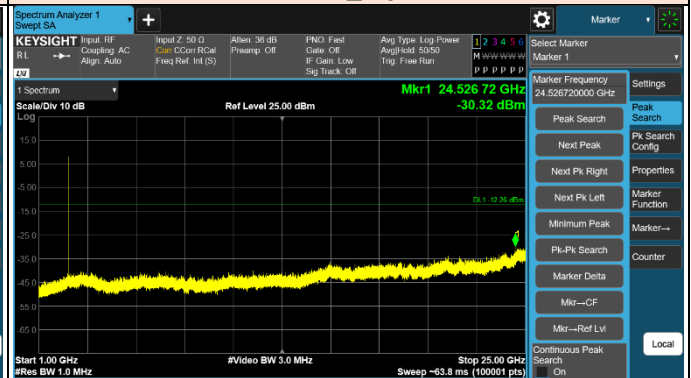
2 480 MHz \_ Band edge



2 480 MHz \_ Band edge Hopping



2 480 MHz \_ Spurious



2 480 MHz \_ Spurious

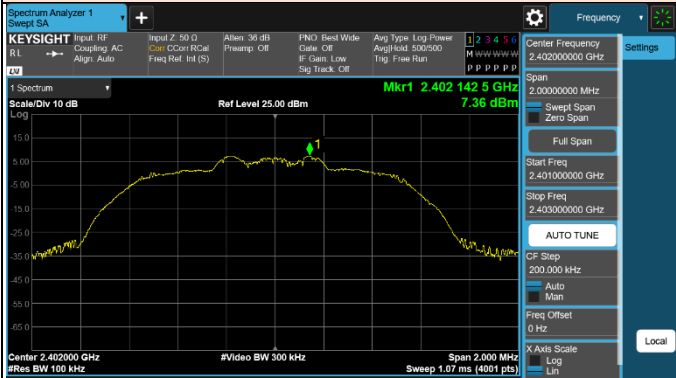




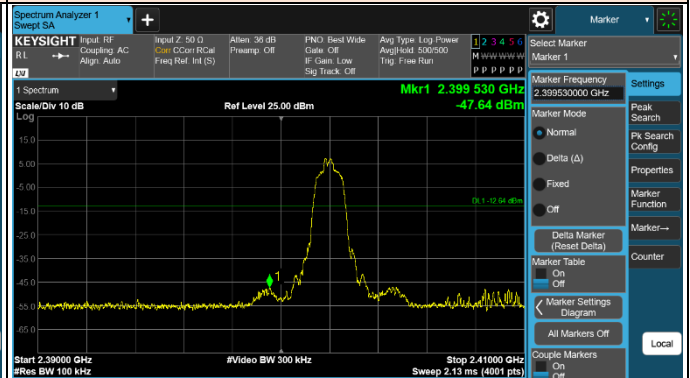
BUREAU VERITAS

### TM 2

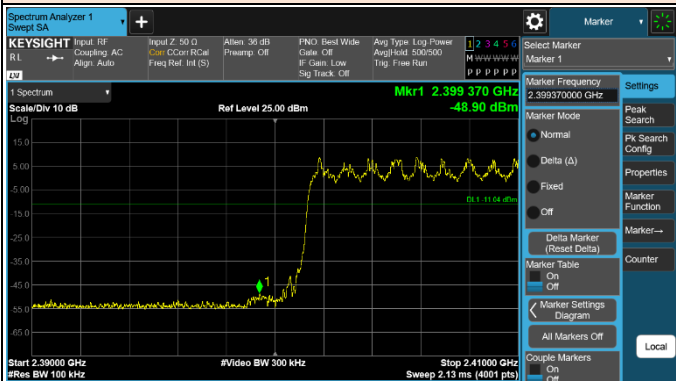
#### 2 402 MHz \_ Ref.



#### 2 402 MHz \_ Band edge



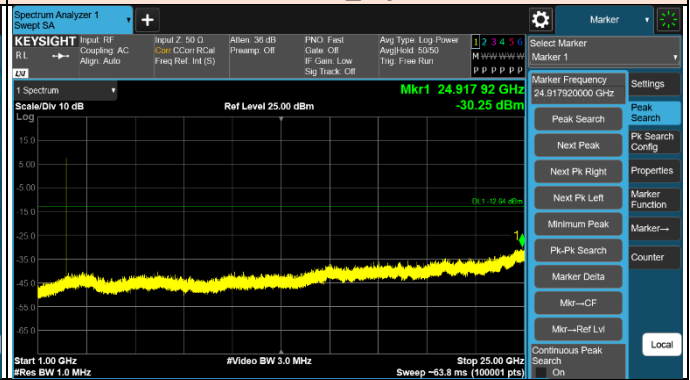
#### 2 402 MHz \_ Band edge Hopping



#### 2 402 MHz \_ Spurious



#### 2 402 MHz \_ Spurious





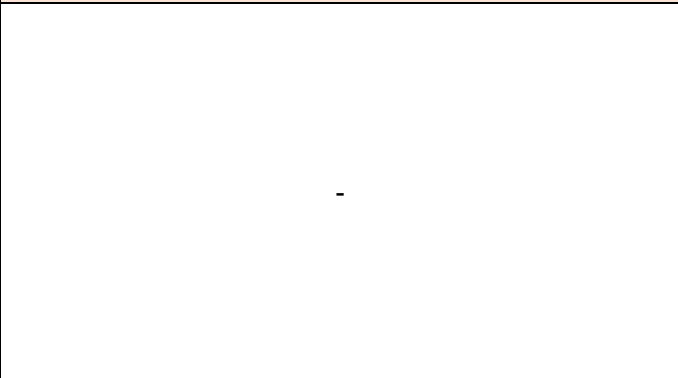
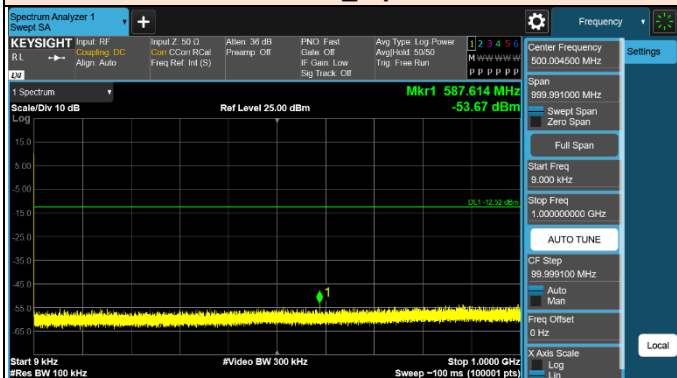
BUREAU VERITAS

### TM 2

#### 2 440 MHz \_ Ref.



#### 2 440 MHz \_ Spurious







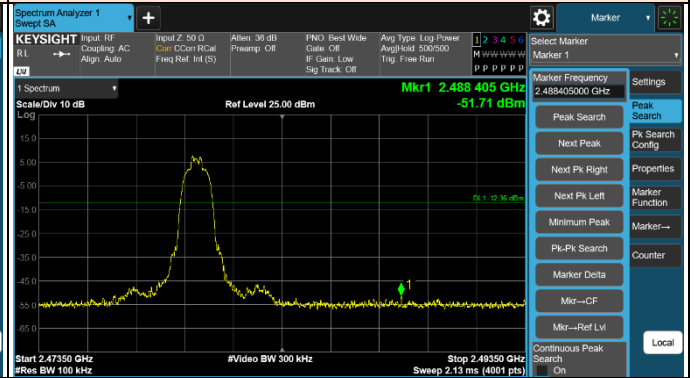
BUREAU VERITAS

### TM 2

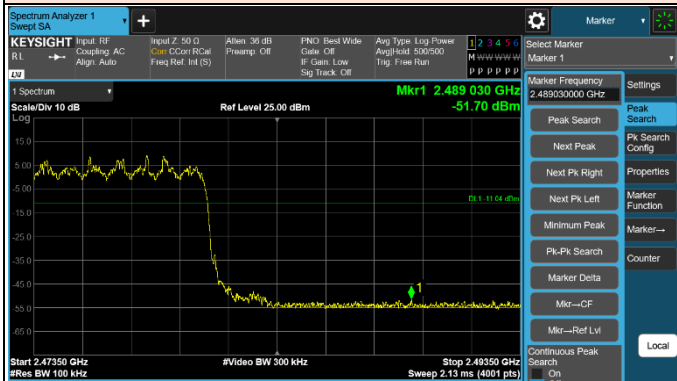
#### 2 480 MHz \_ Ref.



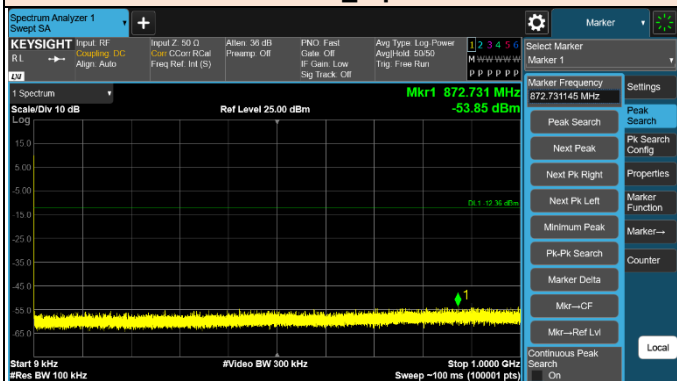
#### 2 480 MHz \_ Band edge



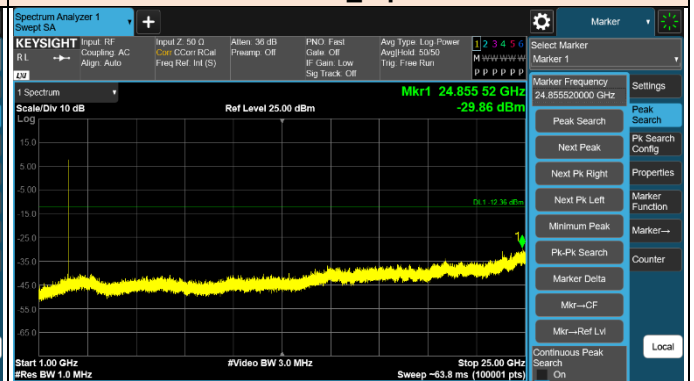
#### 2 480 MHz \_ Band edge Hopping



#### 2 480 MHz \_ Spurious



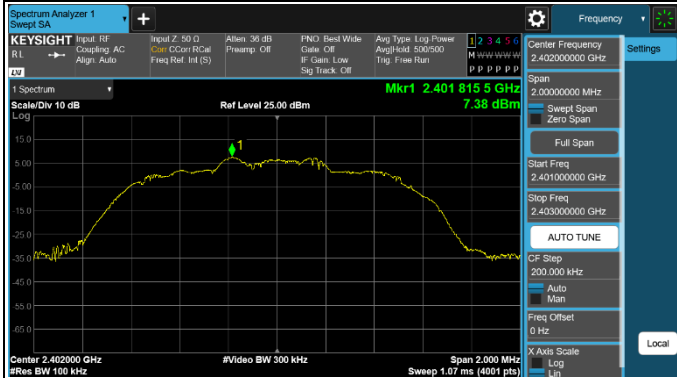
#### 2 480 MHz \_ Spurious



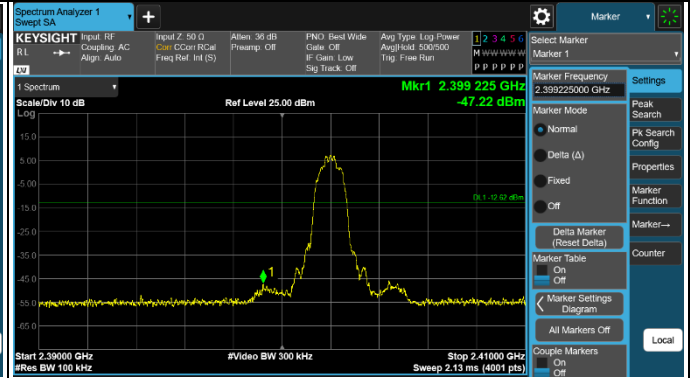


TM 3

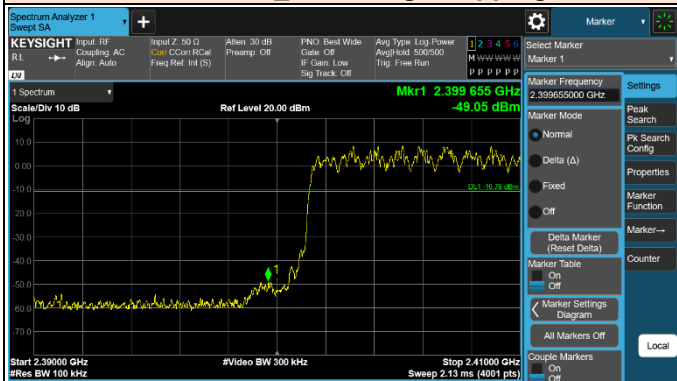
2 402 MHz \_ Ref.



2 402 MHz \_ Band edge



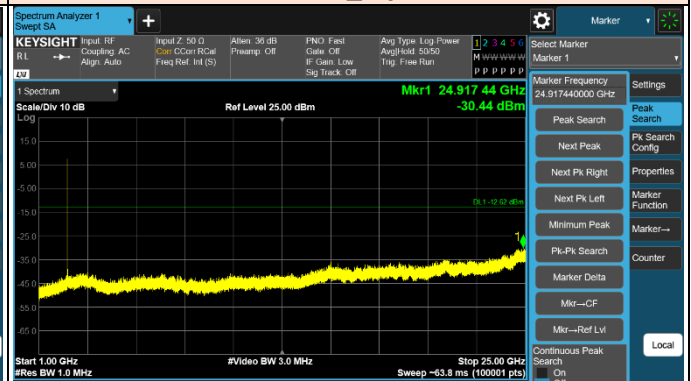
2 402 MHz \_ Band edge Hopping



2 402 MHz \_ Spurious



2 402 MHz \_ Spurious





BUREAU VERITAS

### TM 3

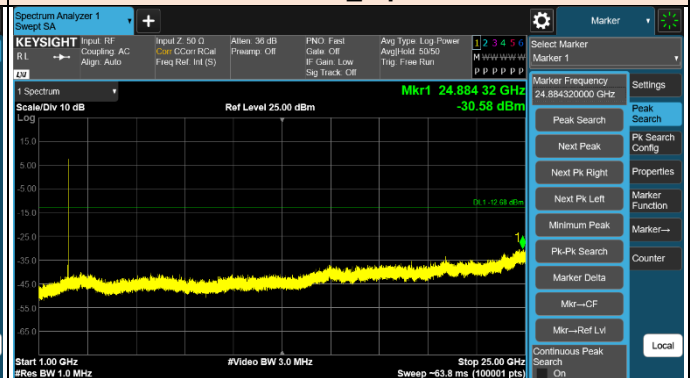
#### 2 440 MHz \_ Ref.



#### 2 440 MHz \_ Spurious



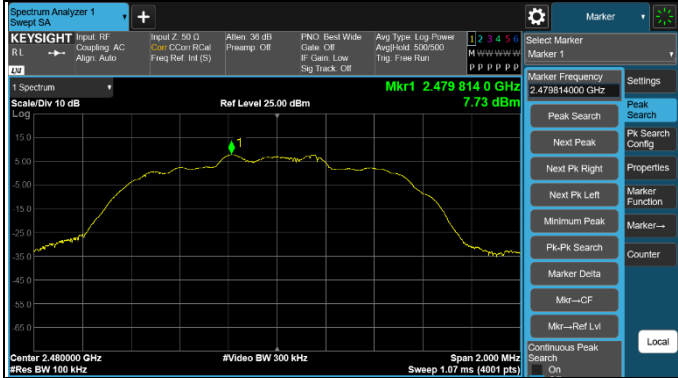
#### 2 440 MHz \_ Spurious



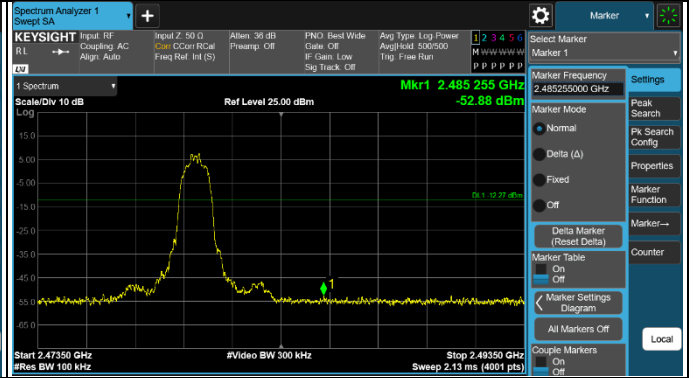


TM 3

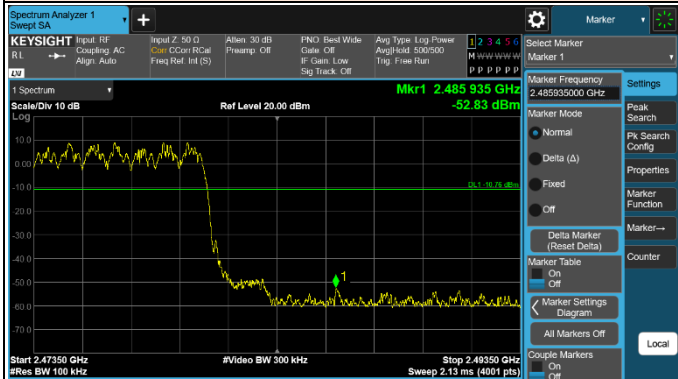
2 480 MHz \_ Ref.



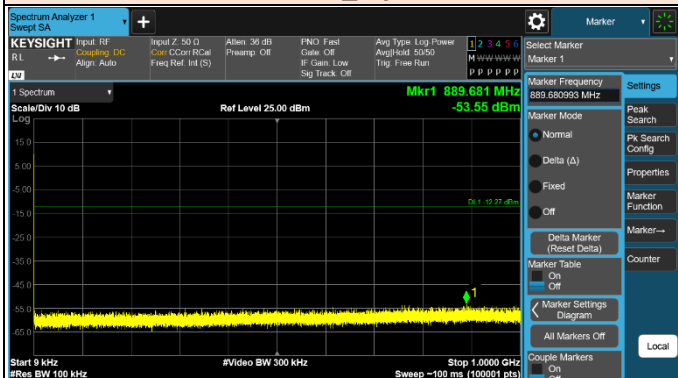
2 480 MHz \_ Band edge



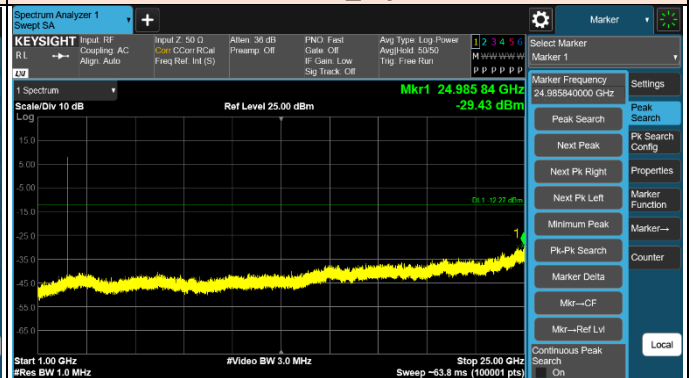
2 480 MHz \_ Band edge Hopping



2 480 MHz \_ Spurious



2 480 MHz \_ Spurious



## 3.8 AC Conducted Emissions (150 kHz to 30 MHz)

### 3.8.1 Regulation

§15.207(a) : Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

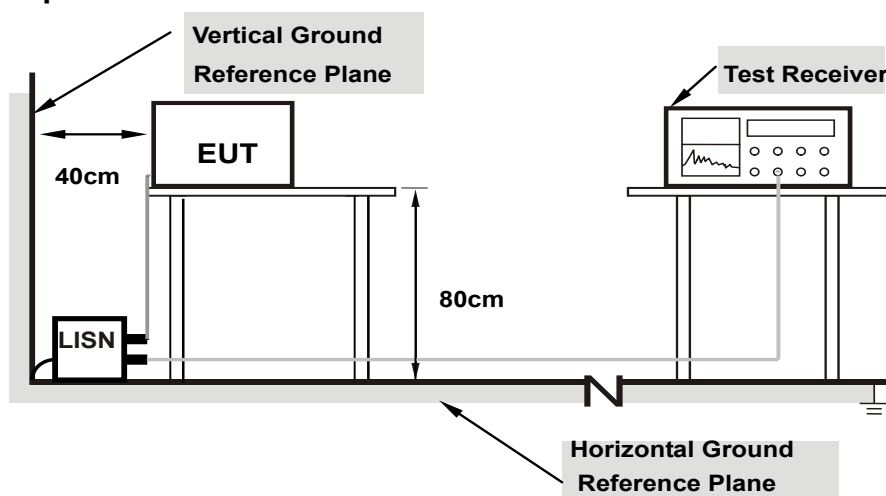
\* Decreases with the logarithm of the frequency.

### 3.8.2 Test Procedure

- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm / 50  $\mu$ H of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

**Remark** : The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz – 30 MHz.

### 3.8.3 Test Setup



### 3.8.4 Test Result

- N/A



## Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services Korea. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

**Test Firm Name : BV CPS ADT Korea Ltd.**

**Address : Innoplex No.2 106, Sinwon-ro 306, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675 KOREA**

**FCC**

**Designation Number : KR0158**

**Test Firm Registration Number : 666061**

**ISED**

**Designation Number : KR0158**

**Test Firm Registration Number : 25944**

If you have any comments, please feel free to contact us at the following:

**Email:** [Meyer.Shin@bureauveritas.com](mailto:Meyer.Shin@bureauveritas.com)

**Web Site:** [www.bureauveritas.co.kr/cps/eaw](http://www.bureauveritas.co.kr/cps/eaw)

The address and road map of all our labs can be found in our web site also.

**- End of report -**