

# TEST REPORT

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SHE23100101-01CE

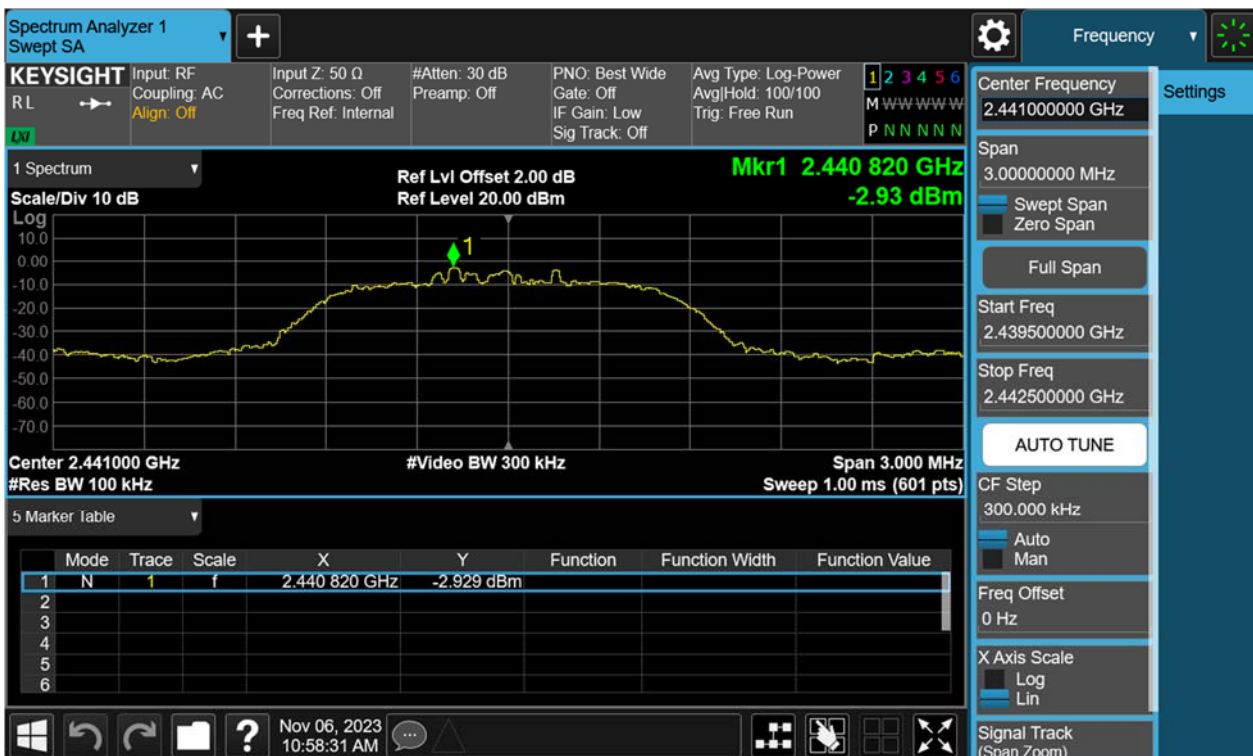
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Figure 23: Conducted Spurious Emission & Authorized-band band-edge, 2441MHz,  $\pi/4$ -DQPSK Carrier Level



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## Conducted spurious emissions 30MHz-25GHz



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Figure 24: Conducted Spurious Emission & Authorized-band band-edge, 2480MHz,  $\pi/4$ -DQPSK Carrier Level



## Band Edge



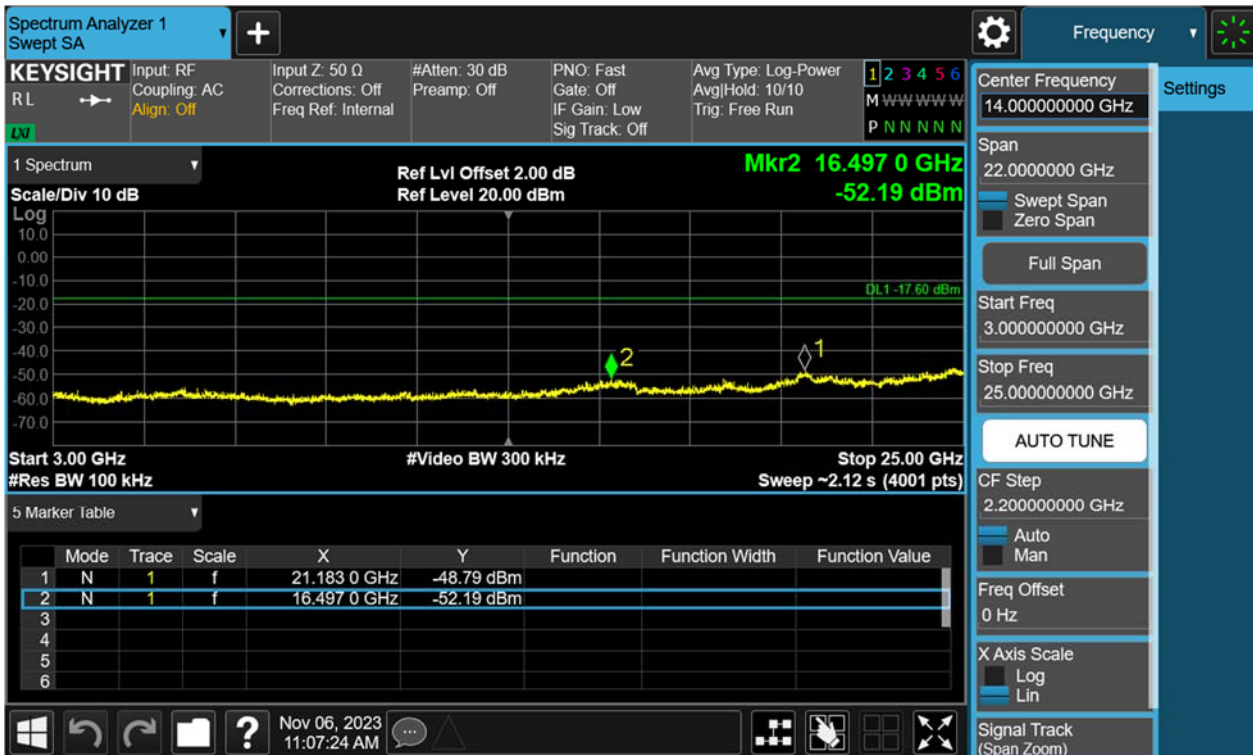
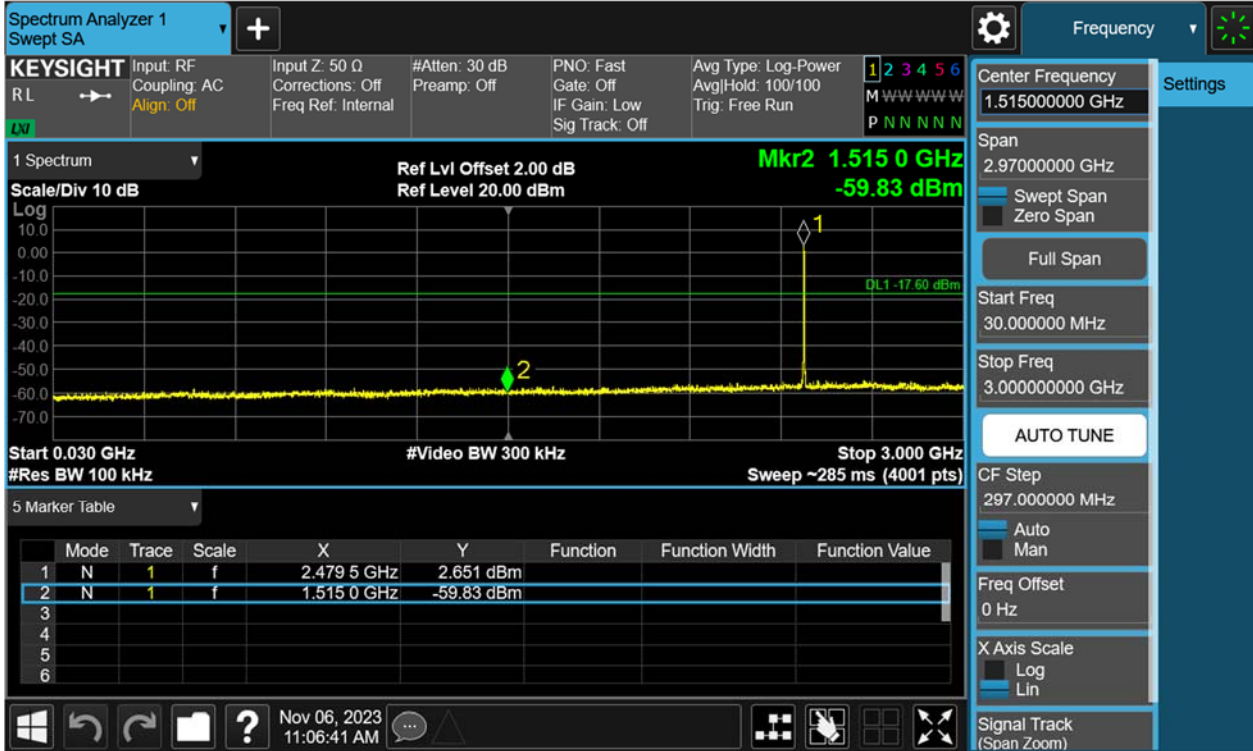
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Figure 25: Conducted Spurious Emission & Authorized-band band-edge, 2402MHz, 8-DPSK Carrier Level



## Band Edge



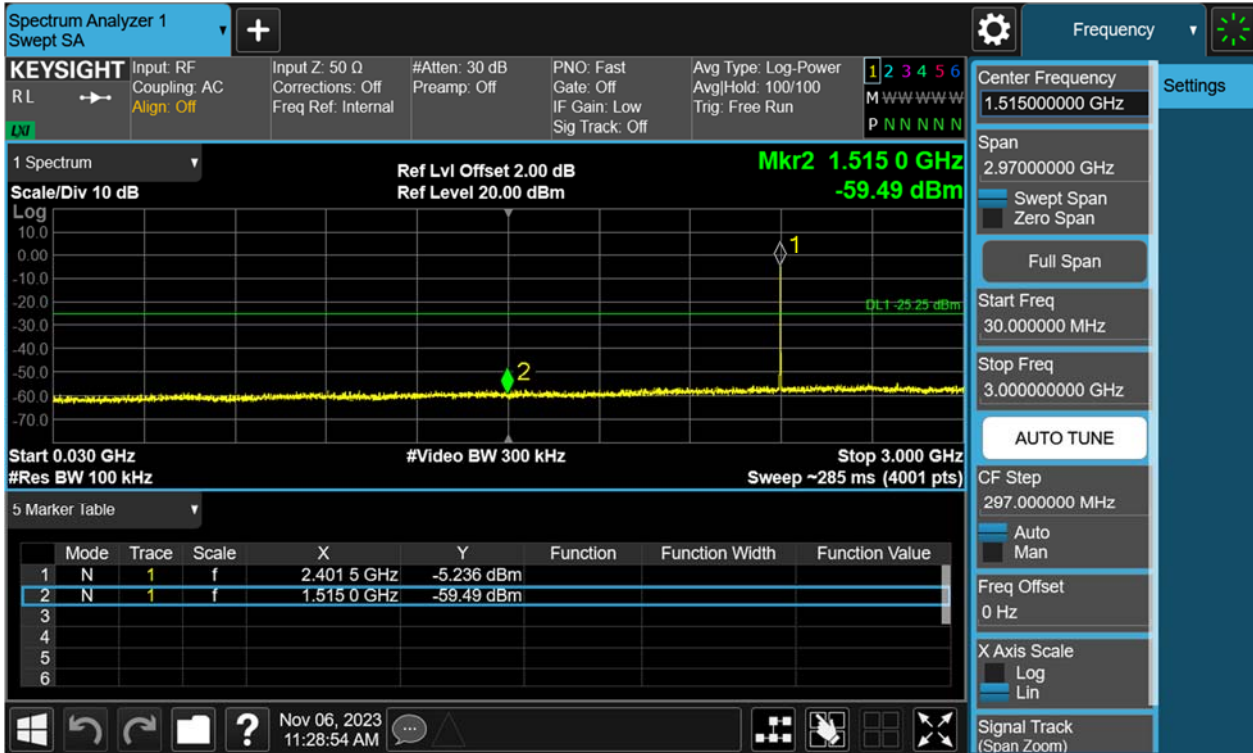
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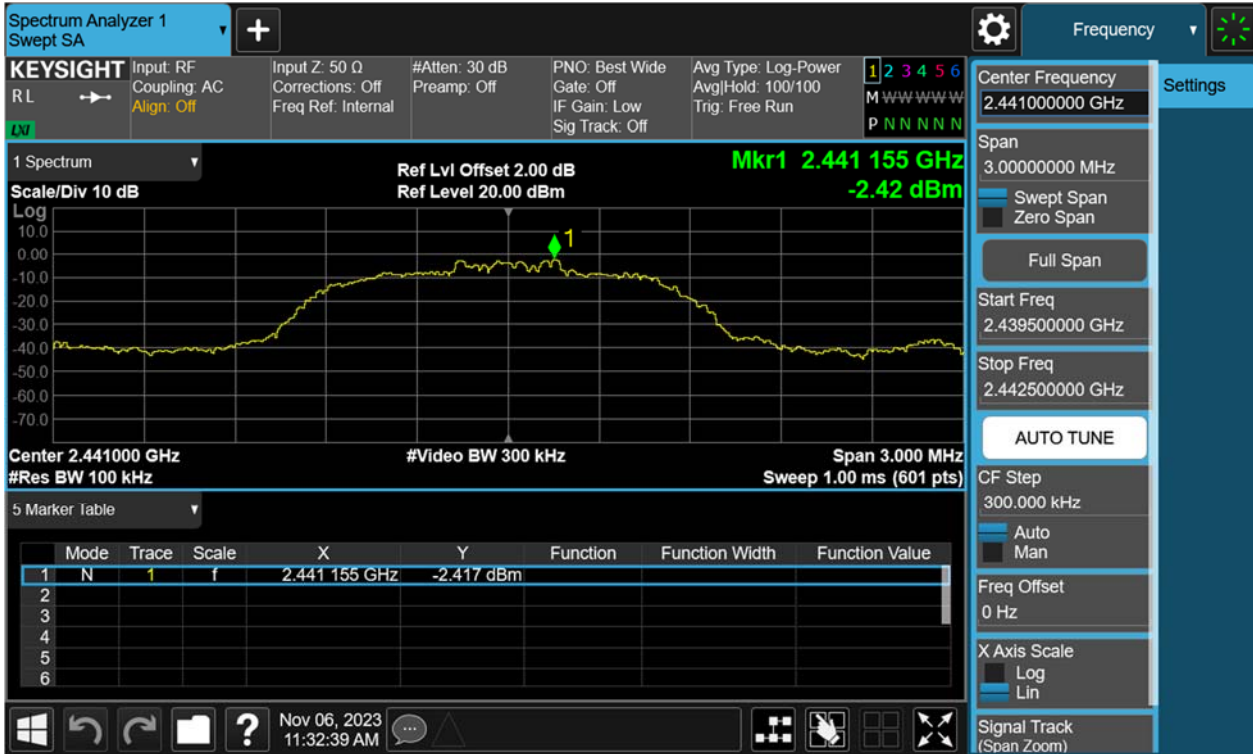
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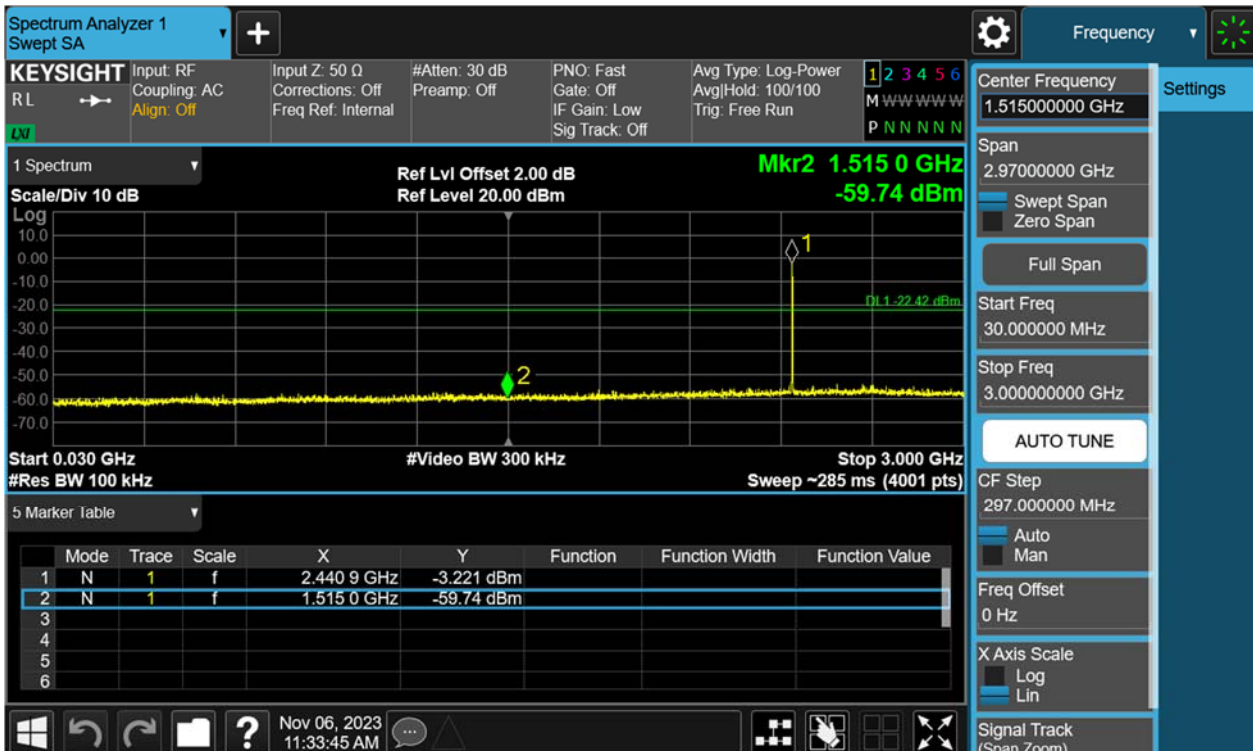
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Figure 26: Conducted Spurious Emission & Authorized-band band-edge, 2441MHz, 8-DPSK Carrier Level



Conducted spurious emissions 30MHz-25GHz



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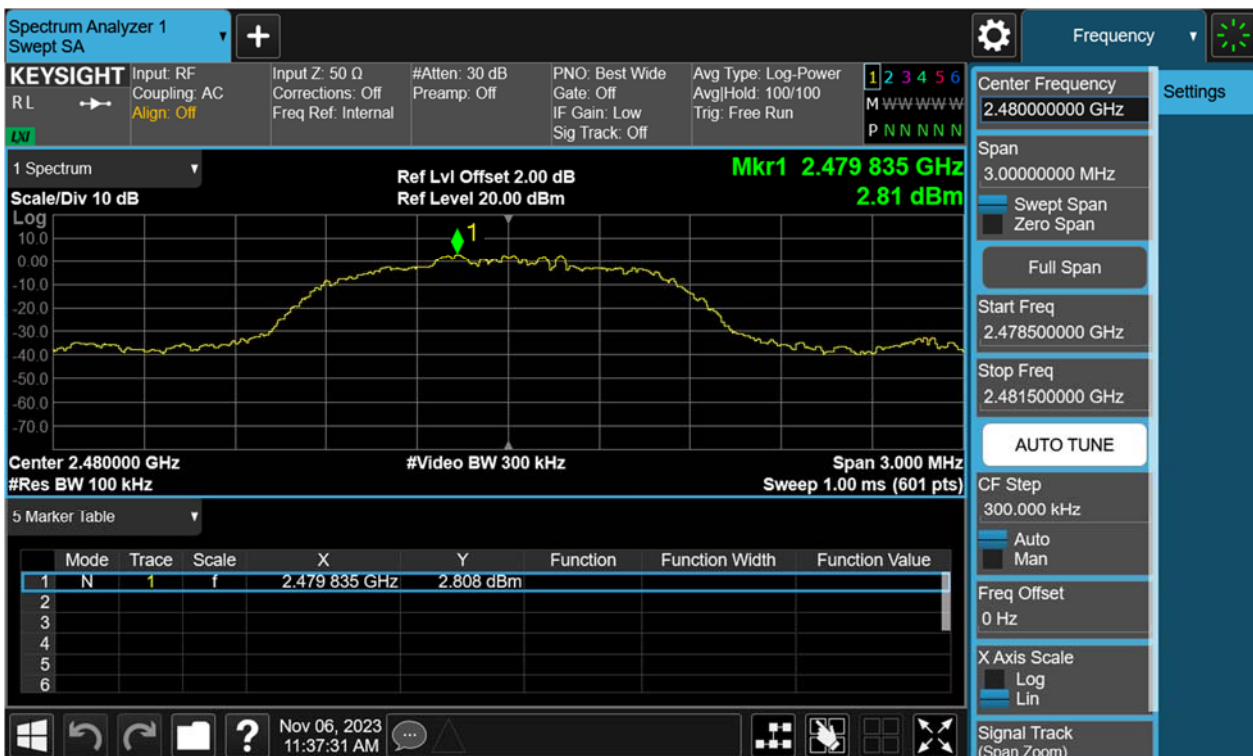
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Figure 27: Conducted Spurious Emission & Authorized-band band-edge, 2480MHz, 8-DPSK Carrier Level





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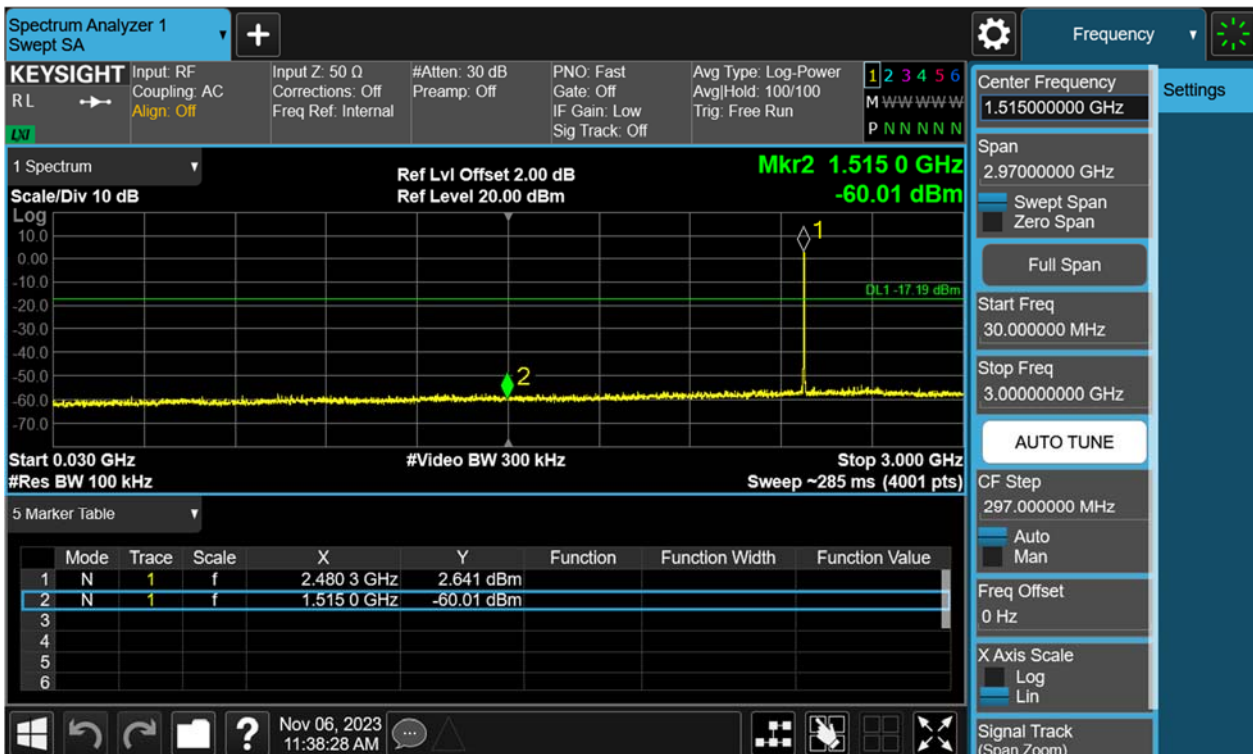
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## Band Edge



## Conducted spurious emissions 30MHz-25GHz



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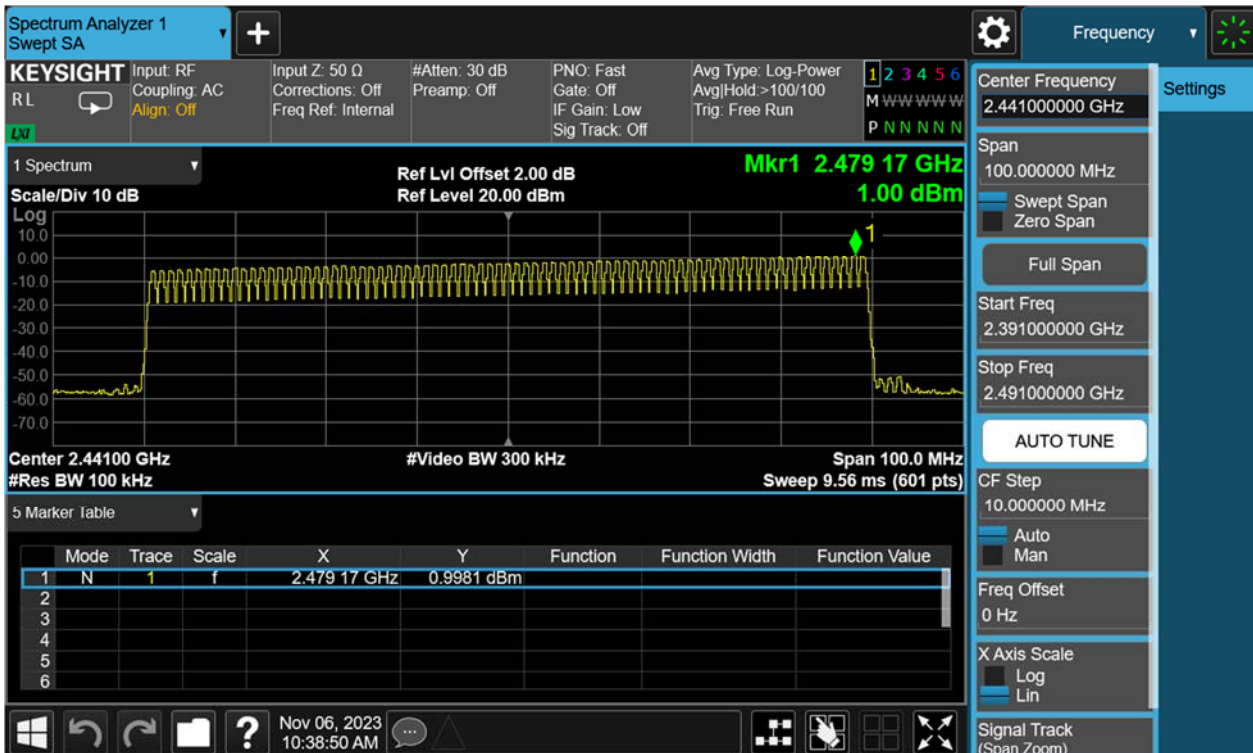
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Figure 28: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode, GFSK Carrier Level



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## Band Edge(Low)



## Band Edge(High)



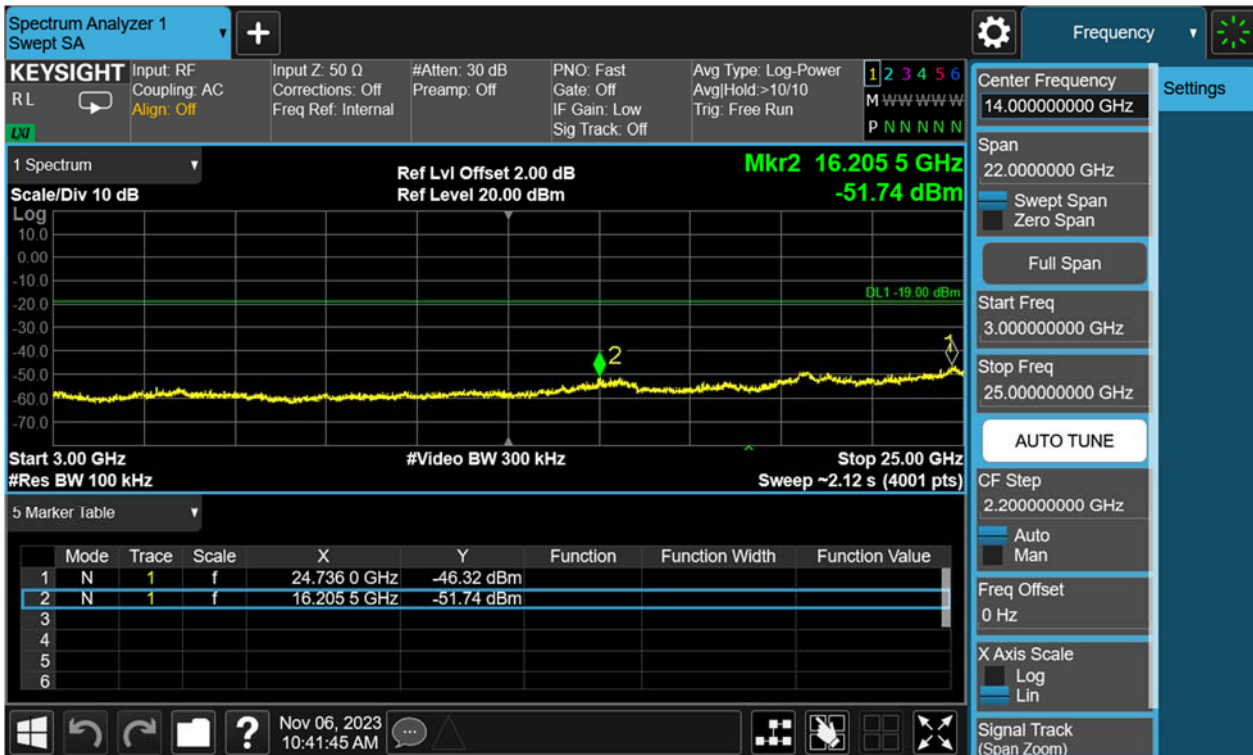
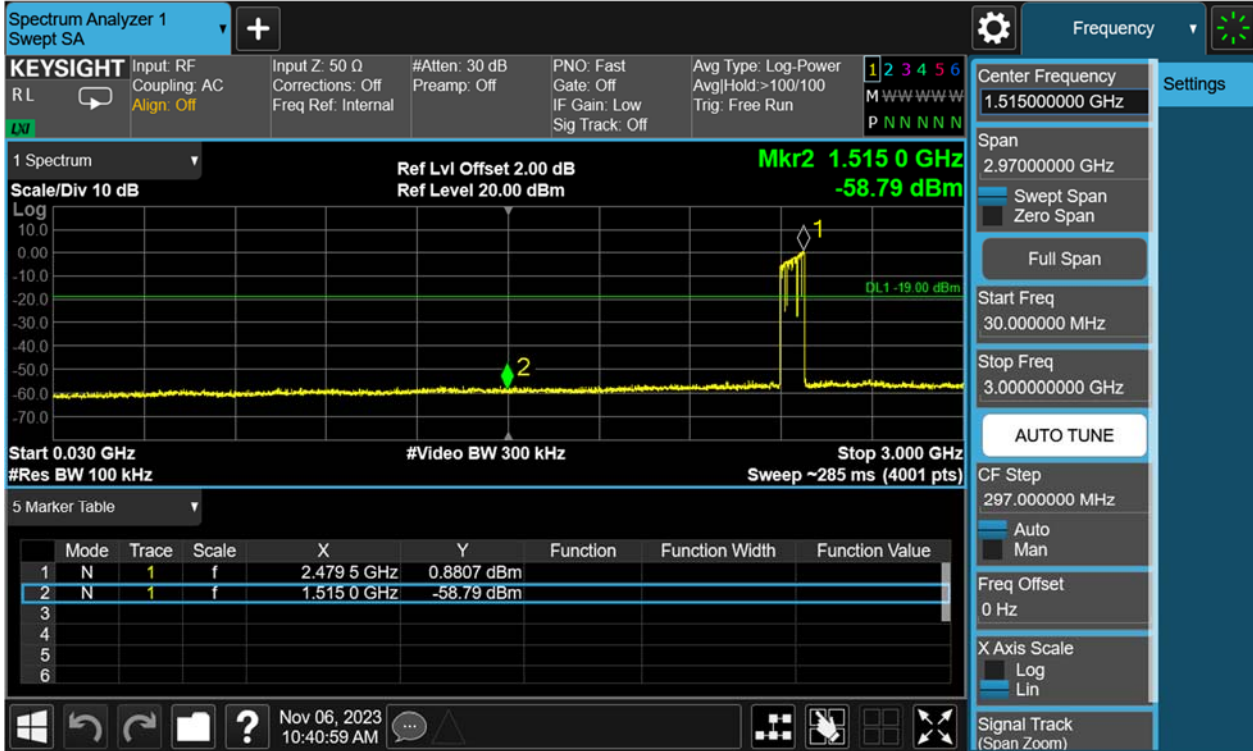
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## Conducted spurious emissions 30MHz-25GHz



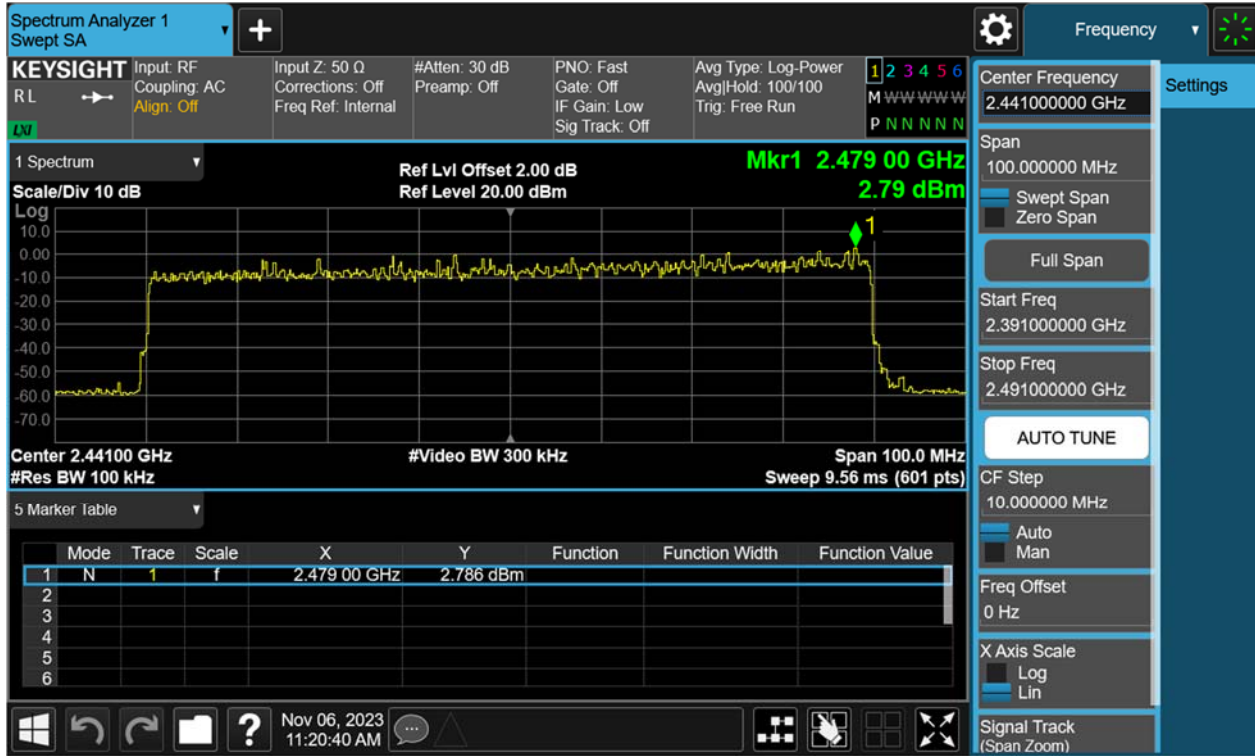
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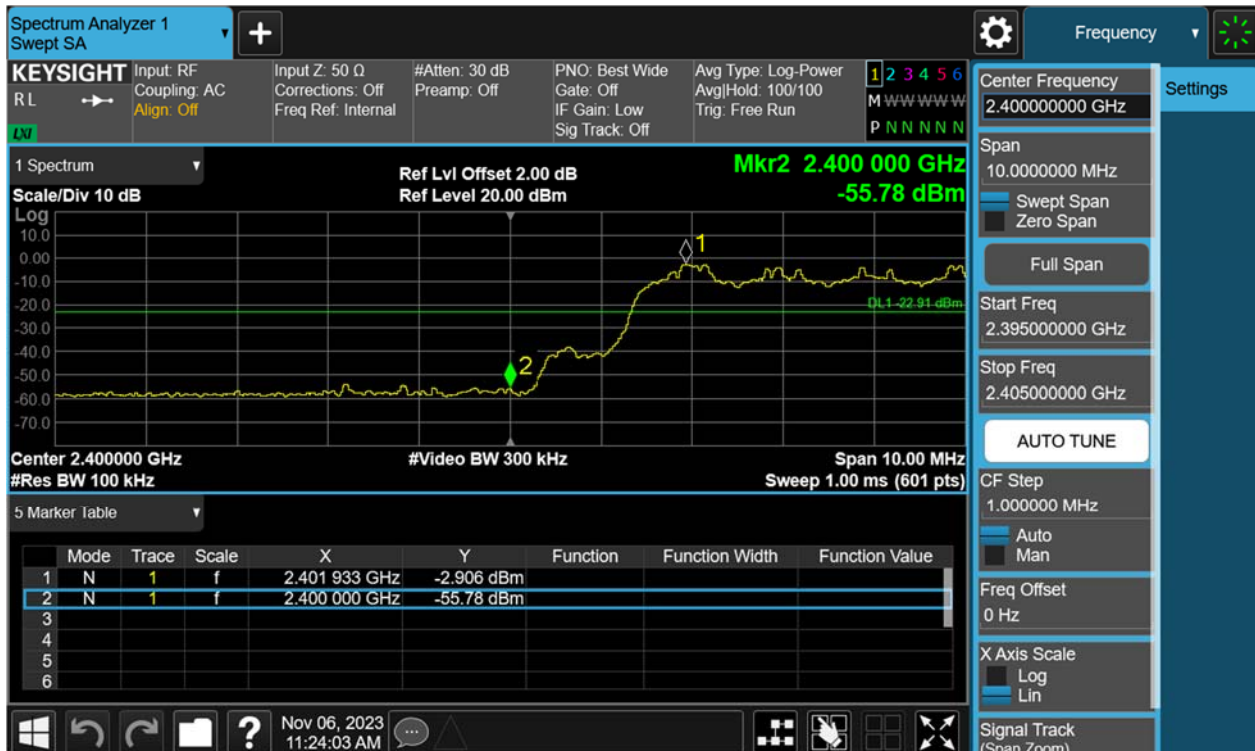
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Figure 29: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode,  $\pi/4$ -DQPSK Carrier Level



## Band Edge(Low)



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## Band Edge(High)



## Conducted spurious emissions 30MHz-25GHz



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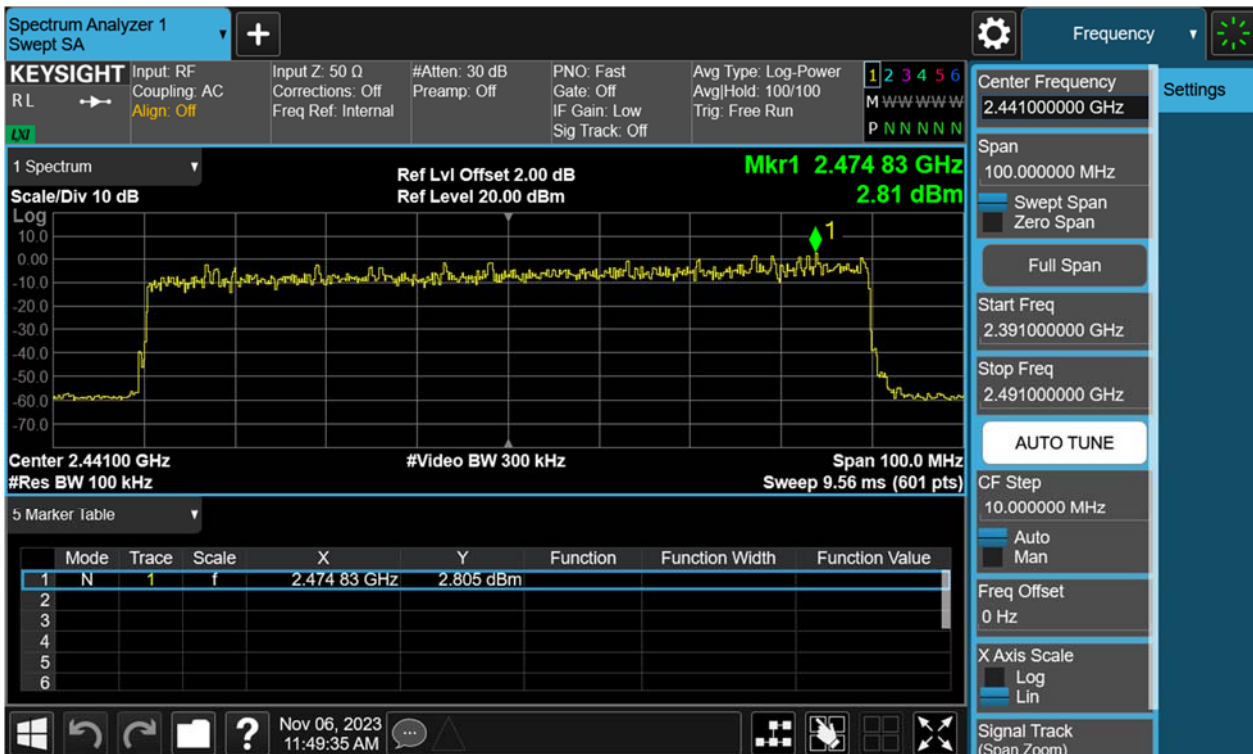
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Figure 30: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode, 8-DPSK Carrier Level



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## Band Edge(Low)



## Band Edge(High)





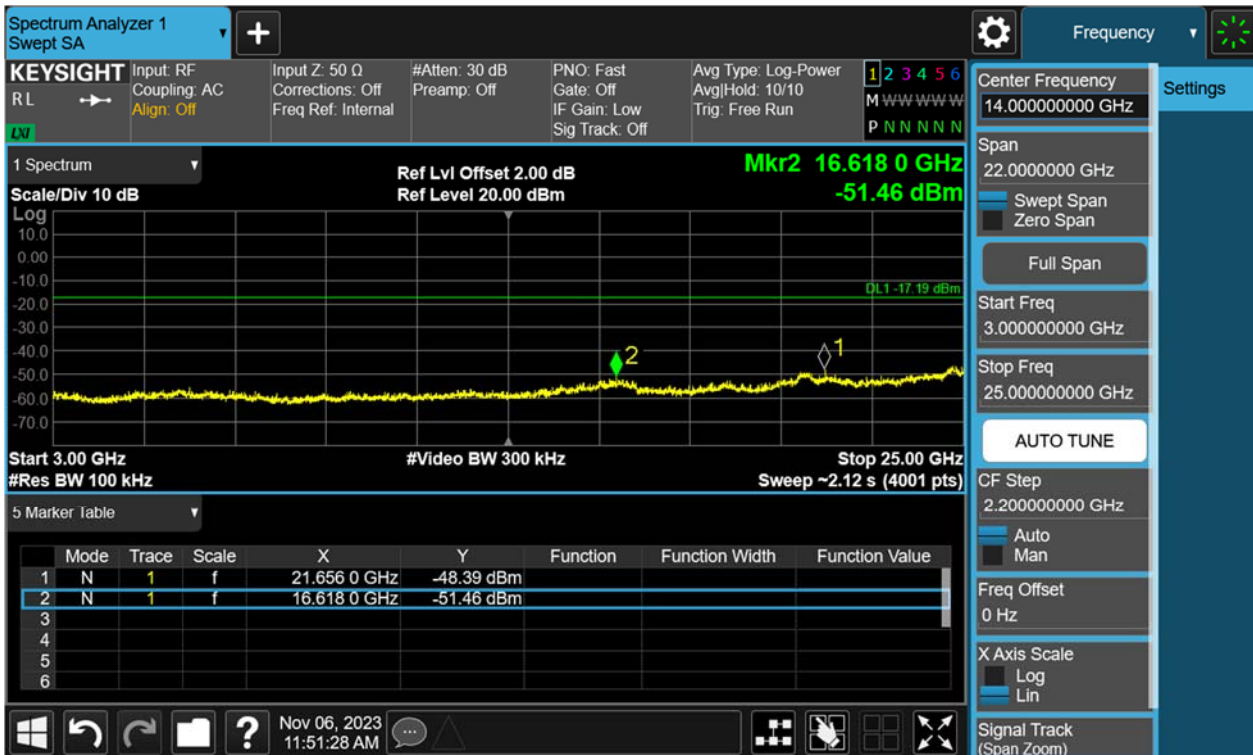
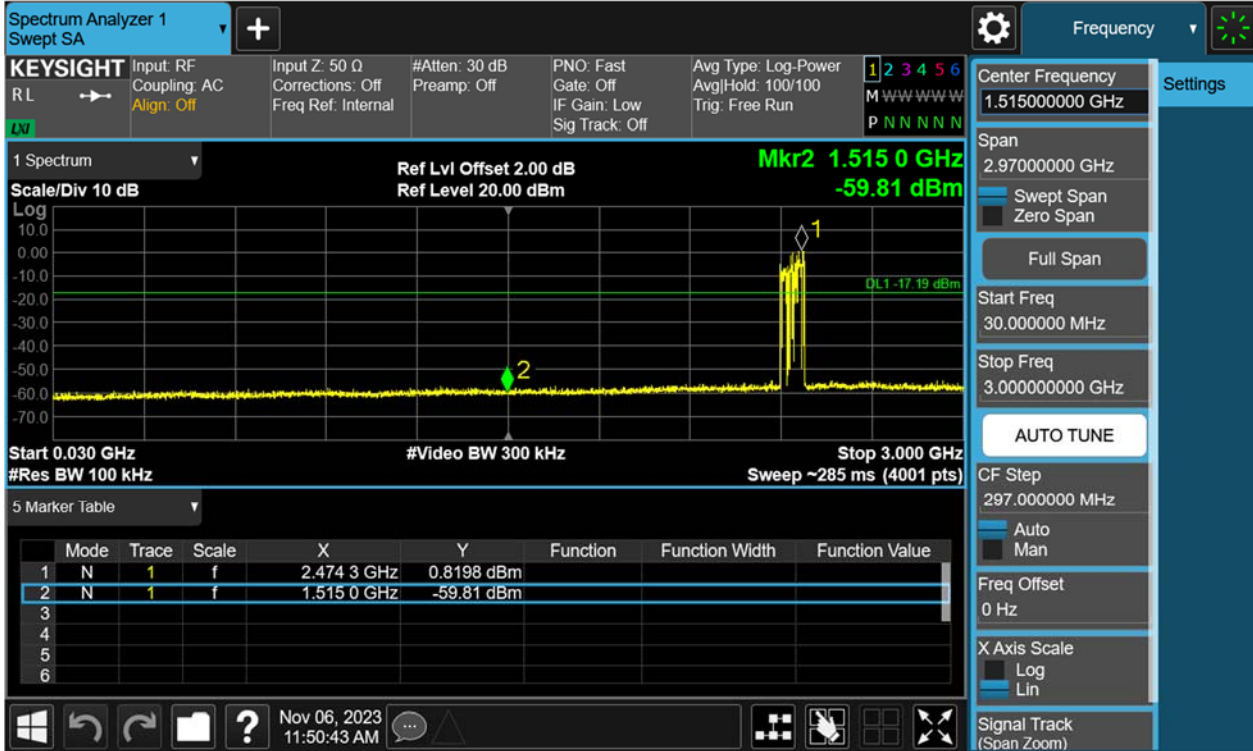
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## Conducted spurious emissions 30MHz-25GHz



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## 4.1.5 Radiated Spurious Emission

RESULT:

**PASS**

Test standard : FCC Part 15.247(d), 15.205, 15.209  
Requirement : ANSI C63.10-2013, Clause 7.8.8  
Kind of test site : 3m Semi-Anechoic Chamber

### Test setup

Test Channel : Low/Middle/High  
Operation Mode : A  
Ambient temperature : 23.5°C  
Relative humidity : 54%

### Notes

*Test plots please refer to the annex document "SHE23100101-01CE DATA BR&EDR-TX EXHIBIT A".*

- 1. For 9 kHz ~ 30 MHz, the amplitude of spurious emissions that are attenuated by more than 20dB below the permissible. The value has no need to be reported.*
- 2. The spurious above 18GHz is noise only and 20dB below the limit. The value has no need to be reported.*
- 3. All test mode had been pre-test. Only the worst mode data of GFSK&8DPSK-hopping-DH5 and GFSK&8DPSK\_Middle channel (below 1GHz) were recorded in the test report.*
- 4. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.*

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## 4.1.6 Band Edge (Restricted-band band-edge)

RESULT:

**PASS**

Test standard : FCC Part 15.247(d), 15.205, 15.209  
Requirement : ANSI C63.10-2013, Clause 7.8.6  
Kind of test site : 3m Semi-Anechoic Chamber

### Test setup

Test Channel : Low/Middle/High  
Operation Mode : A.1  
Ambient temperature : 23.5°C  
Relative humidity : 54%

### Notes

1. Test plots please refer to the annex document "SHE23100101-01CE DATA BR&EDR-TX EXHIBIT A".
2. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement -X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

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## 4.1.7 Hopping Frequency Separation

RESULT:

PASS

Test standard : FCC Part 15.247(a)(1)  
Requirement : ANSI C63.10-2013, Clause 7.8.2  
KDB 558074 D01 v05r02, Clause 2.2  
Kind of test site : Shielded room

### Test setup

Test Channel : Hopping  
Operation Mode : A.1.a.iv  
Ambient temperature : 21.3°C  
Relative humidity : 42%

Table 3: Hopping Frequency Separation

Mode	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)
GFSK	2441	1.000	0.9611
$\pi/4$ -DQPSK	2441	1.200	0.8153
8-DPSK	2441	1.025	0.8400

\*Note: The systems operate with an output power no greater than 125mW ( $\pi/4$ -DQPSK, 8-DPSK).