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



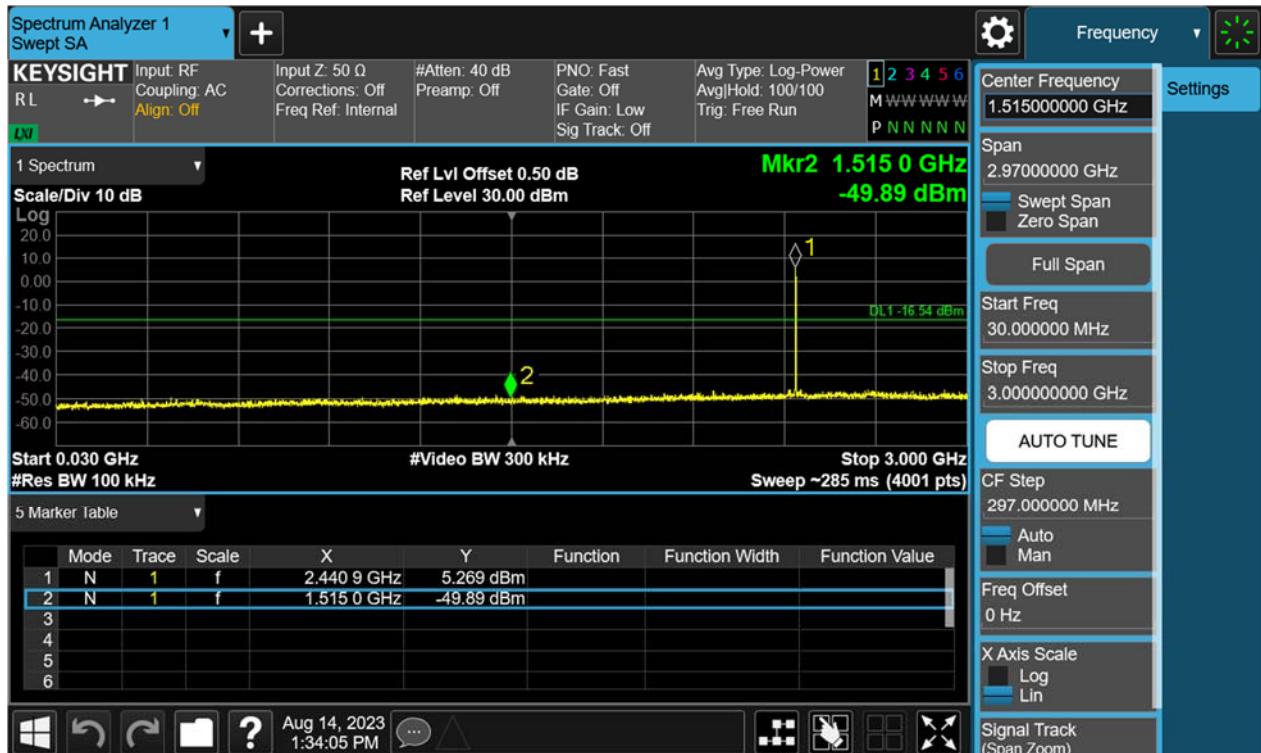
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## Conducted spurious emissions 30MHz-25GHz



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



## Band Edge



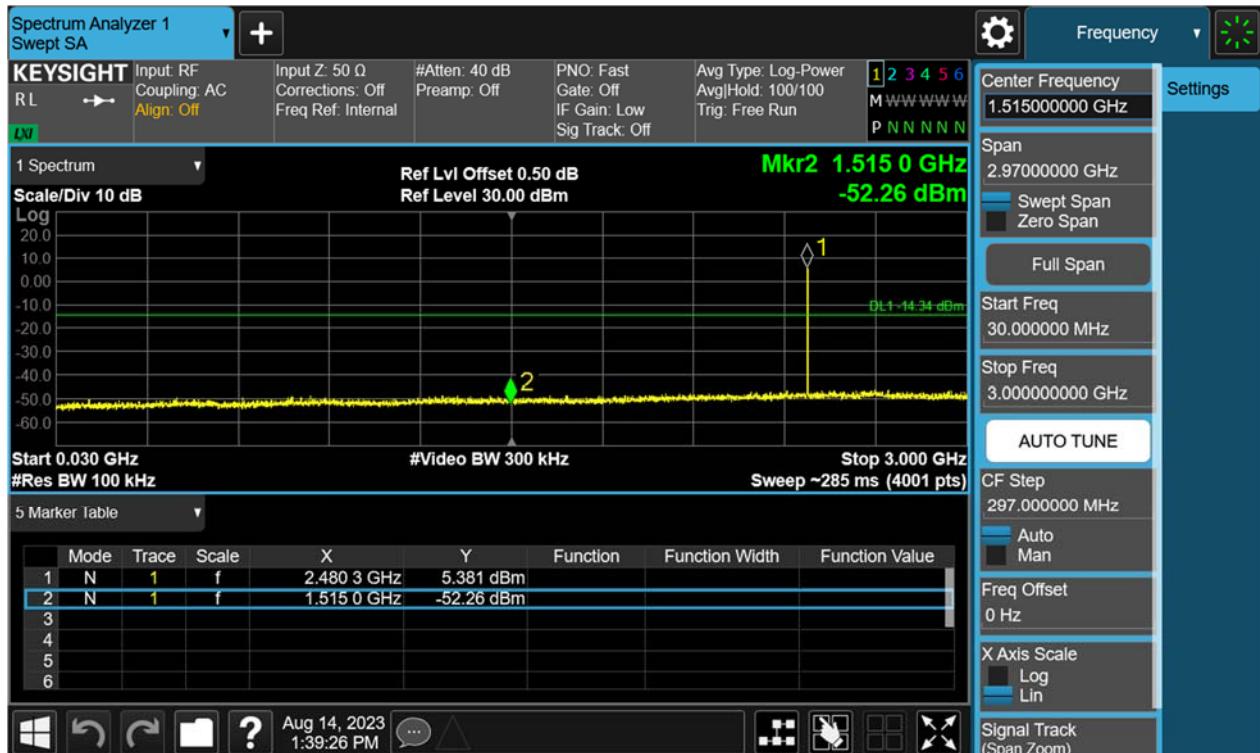
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**Figure 25: Conducted Spurious Emission & Authorized-band band-edge, 2402MHz, 8-DPSK Carrier Level**



## Band Edge



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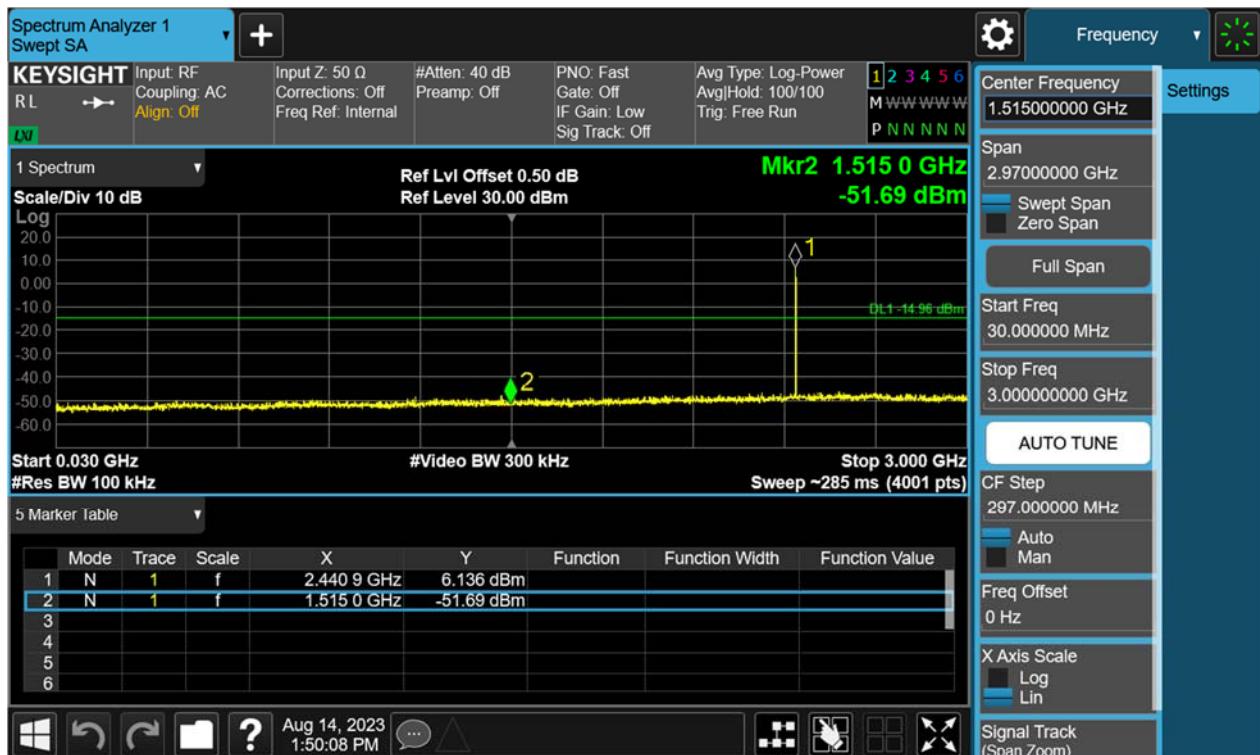
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**Figure 26: Conducted Spurious Emission & Authorized-band band-edge, 2441MHz, 8-DPSK Carrier Level**



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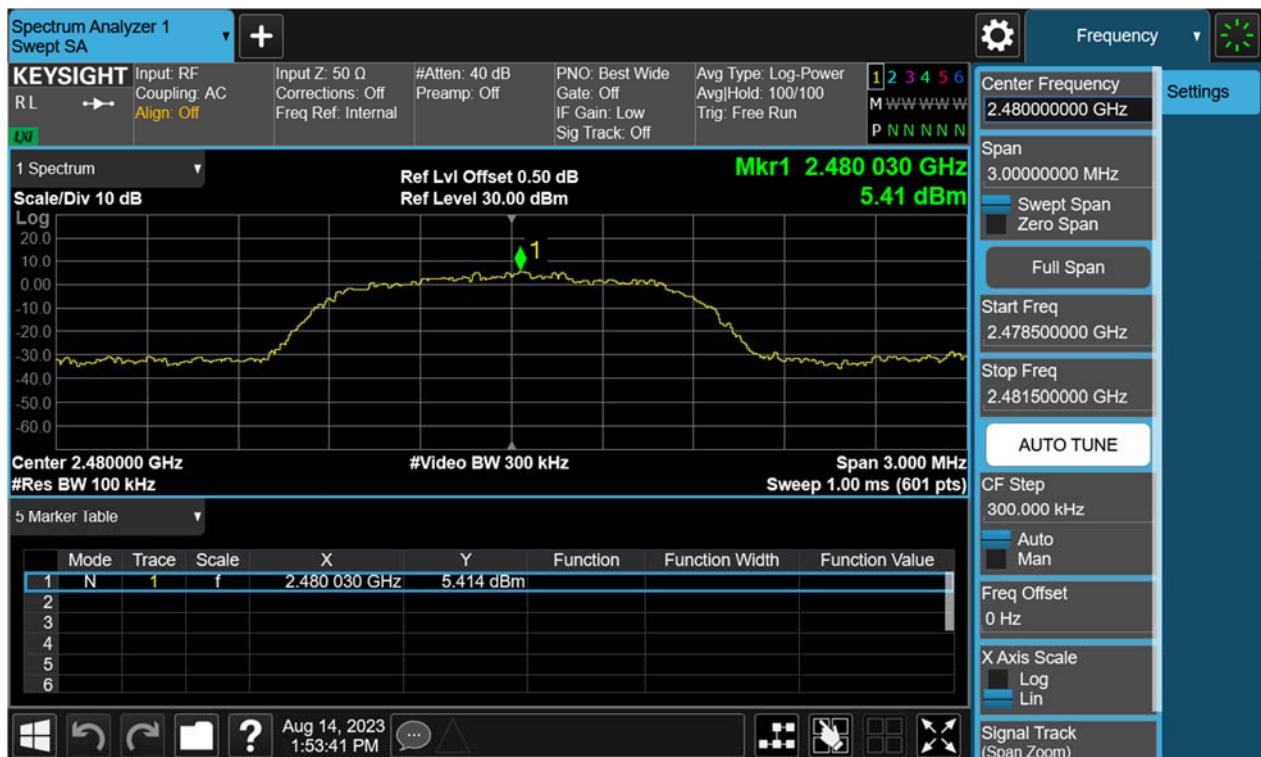
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Figure 27: Conducted Spurious Emission & Authorized-band band-edge, 2480MHz, 8-DPSK Carrier Level



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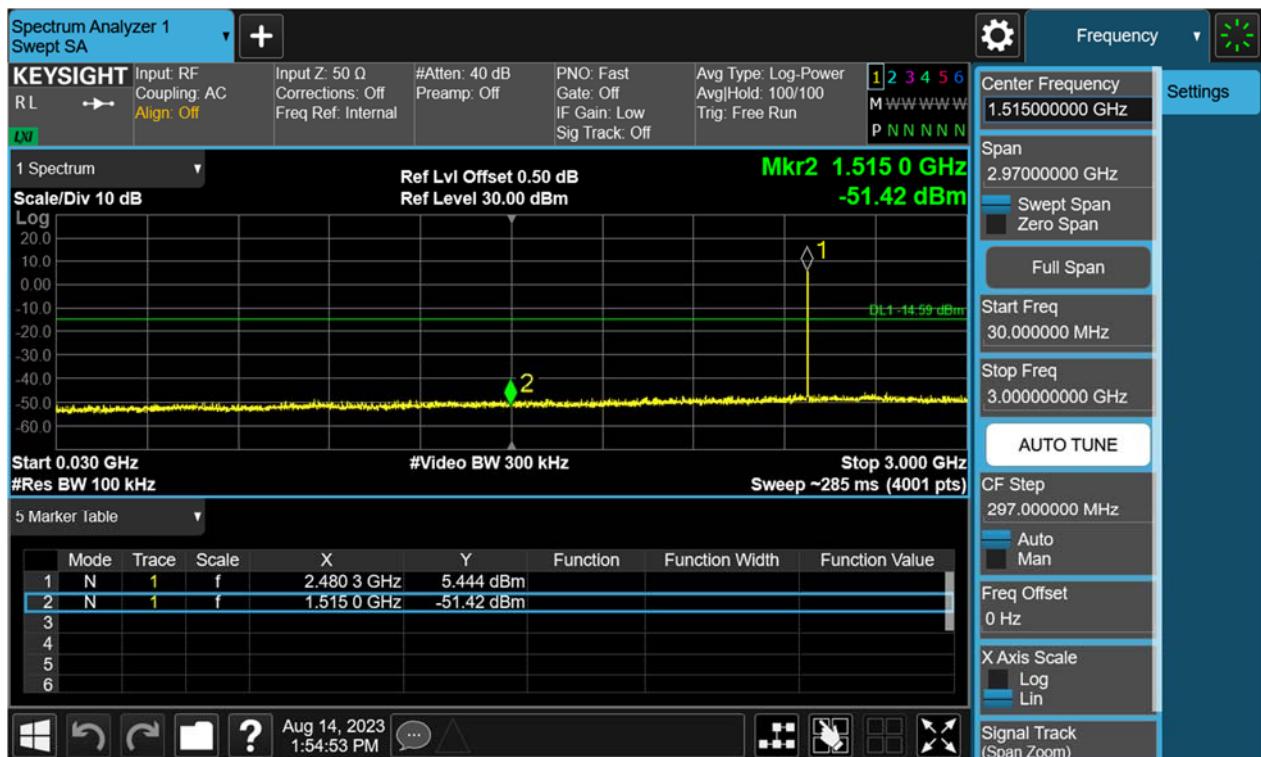
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## Band Edge



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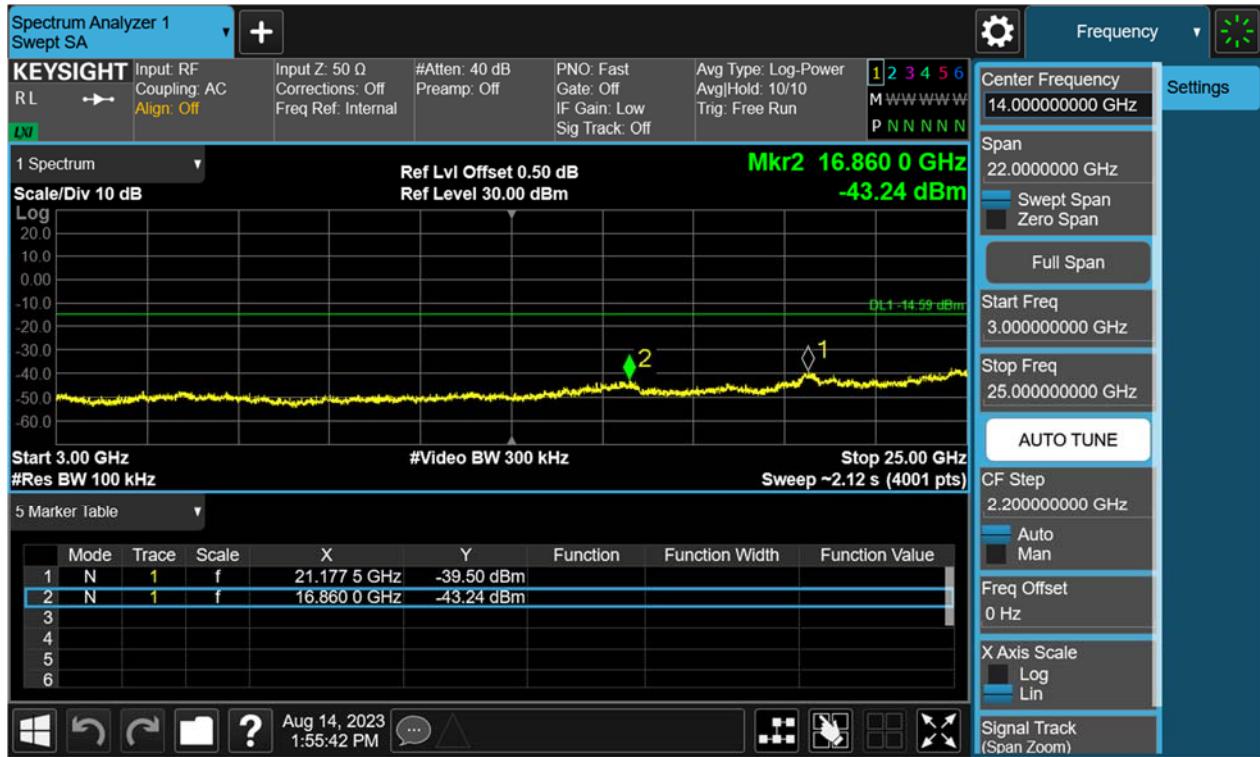
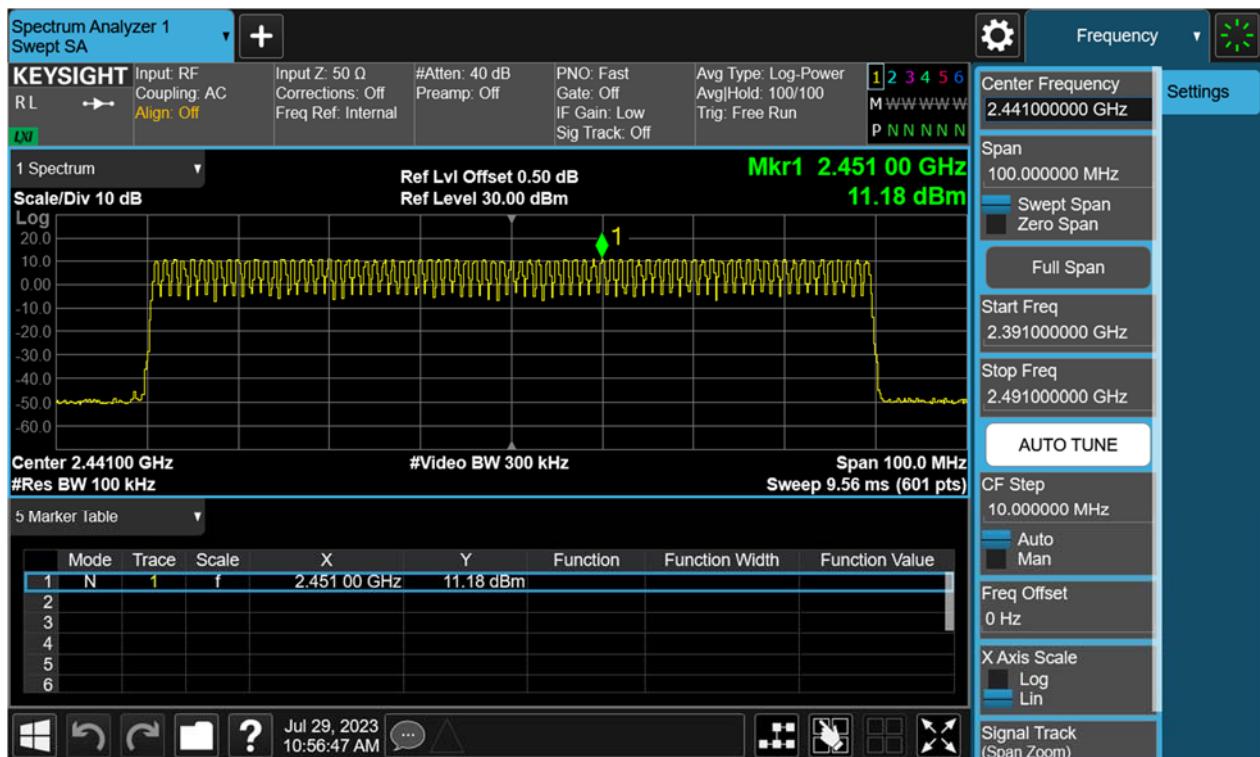


Figure 28: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode, GFSK Carrier Level



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## Band Edge(Low)



## Band Edge(High)



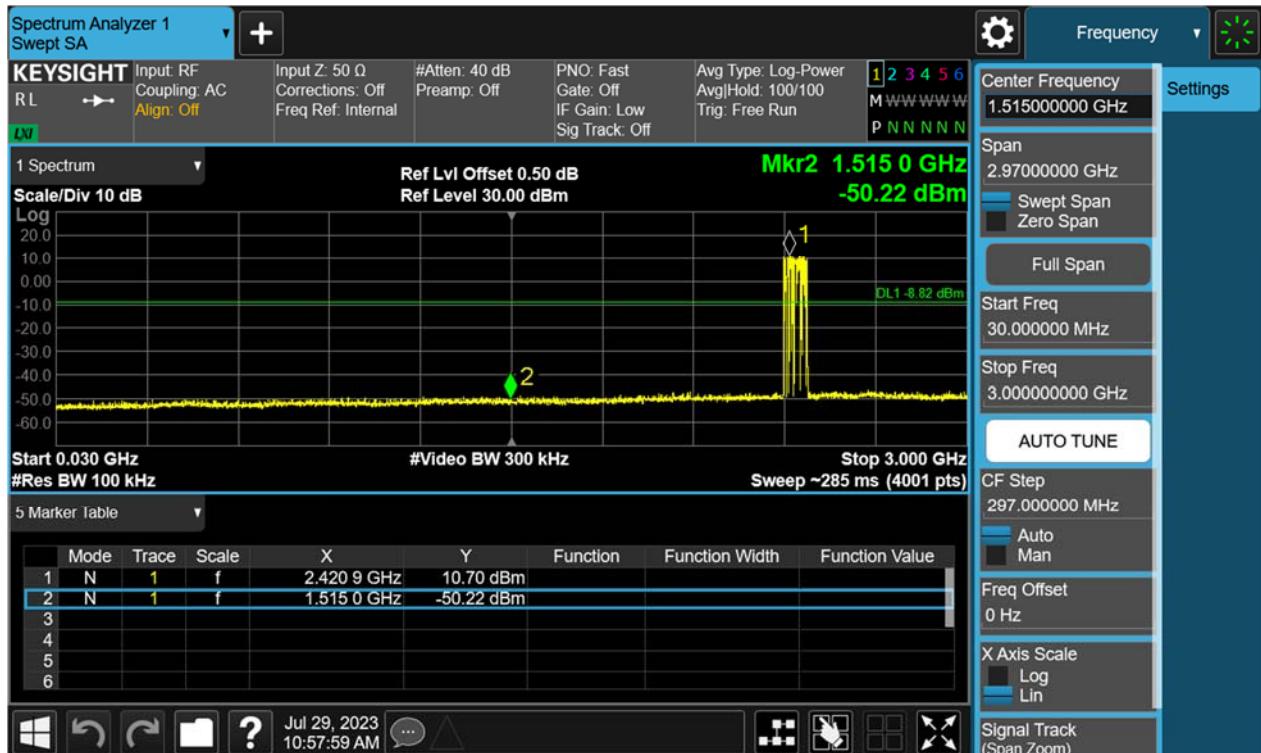
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**Figure 29: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode,  $\pi/4$ -DQPSK Carrier Level**



## Band Edge(Low)



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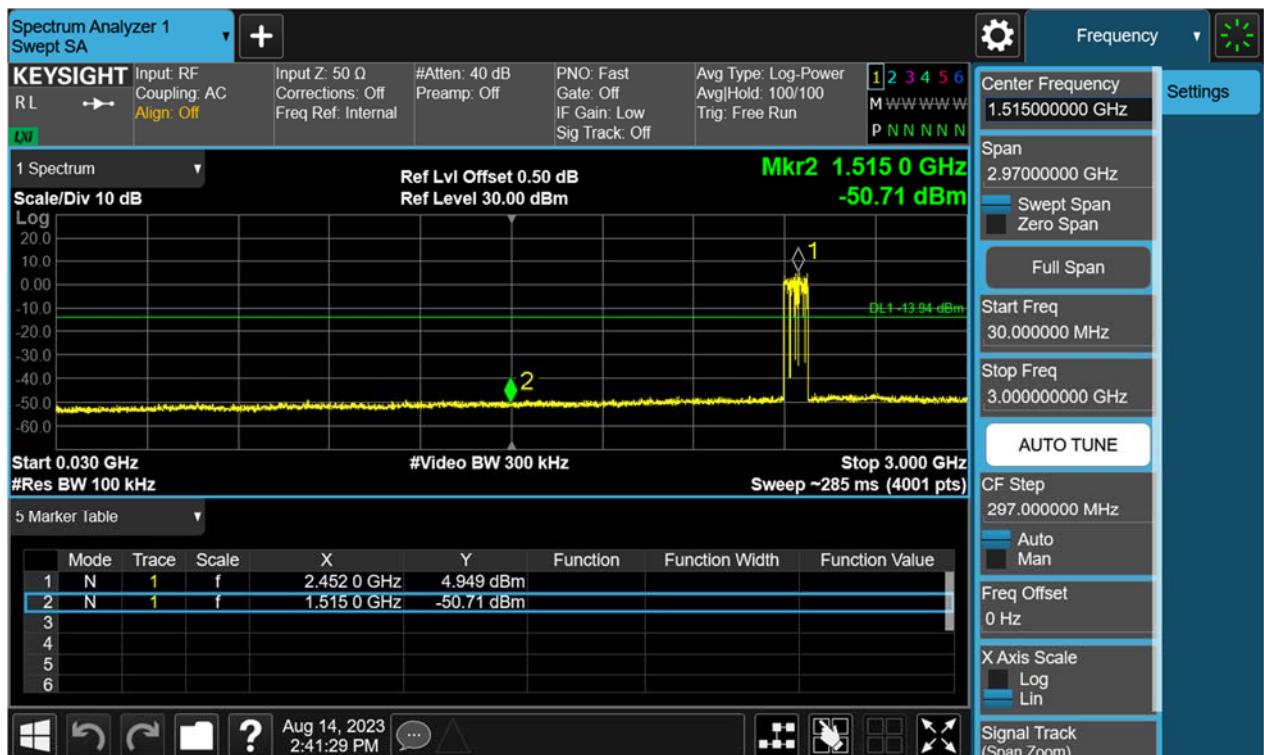
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## Band Edge(High)



## Conducted spurious emissions 30MHz-25GHz



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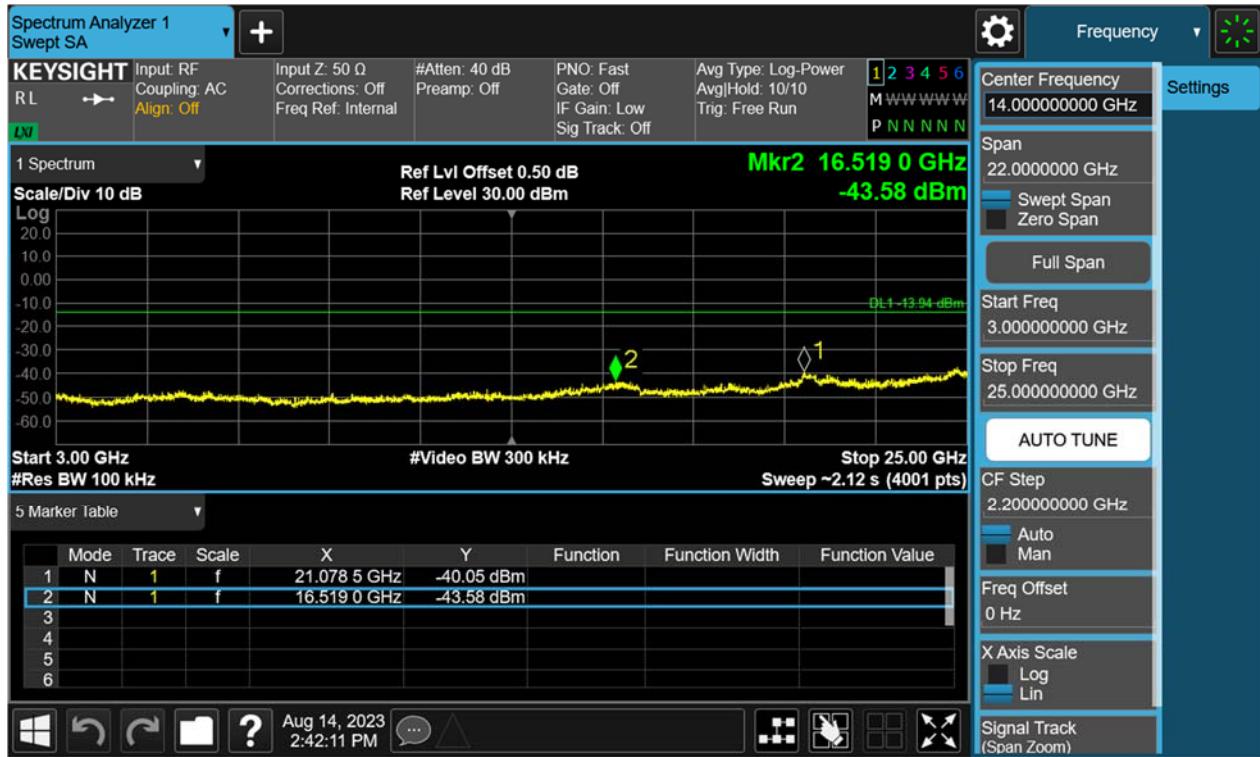


Figure 30: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode, 8-DPSK Carrier Level



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## Band Edge(Low)



## Band Edge(High)



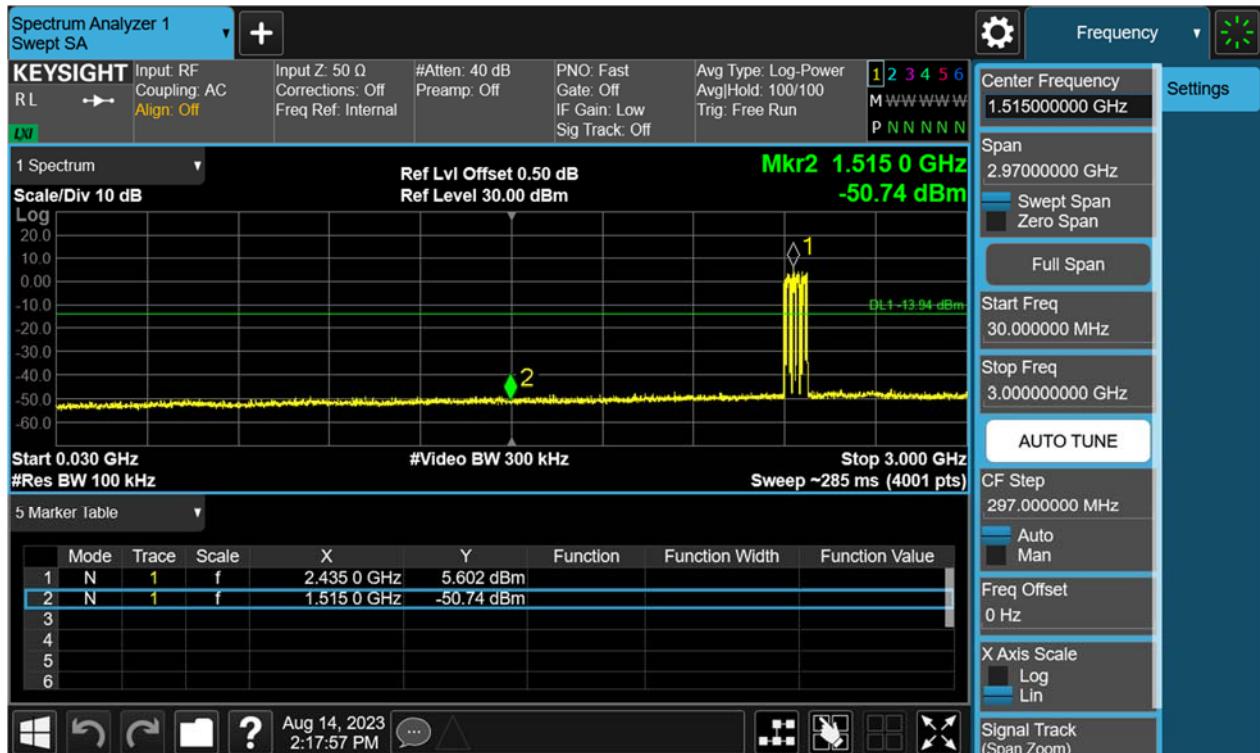
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## 4.1.5 Radiated Spurious Emission

**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 : 22.1°C

Relative humidity : 52%

### Notes

*Test plots please refer to the annex document "SHE23060106-01CE DATA BDEDR-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 : 23.1°C

Relative humidity : 52%

### Notes

1. Test plots please refer to the annex document "SHE23060106-01CE DATA BDEDR-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 : 24.9°C  
Relative humidity : 51%

**Table 3: Hopping Frequency Separation**

Mode	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)
GFSK	2441	1.037	0.9531
$\pi/4$ -DQPSK	2441	1.015	0.8580
8-DPSK	2441	0.967	0.8633

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