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



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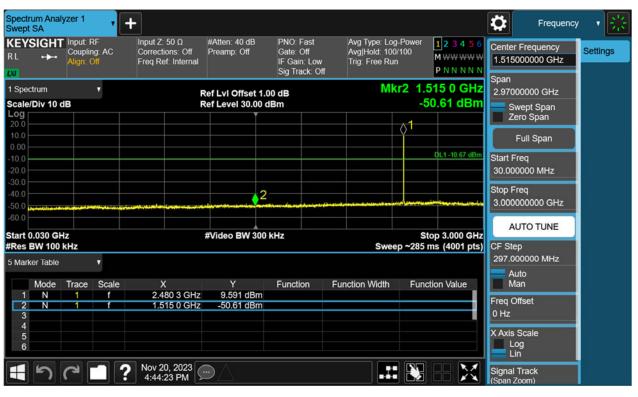
Figure 24: Conducted Spurious Emission & Authorized-band band-edge, 2480MHz,  $\pi$  /4-DQPSK Carrier Level



#### **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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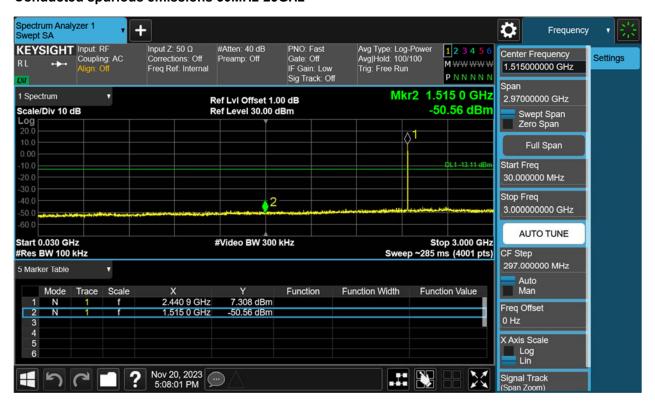




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Figure 26: Conducted Spurious Emission & Authorized-band band-edge, 2441MHz, 8-DPSK Carrier Level





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



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#### **Band Edge**

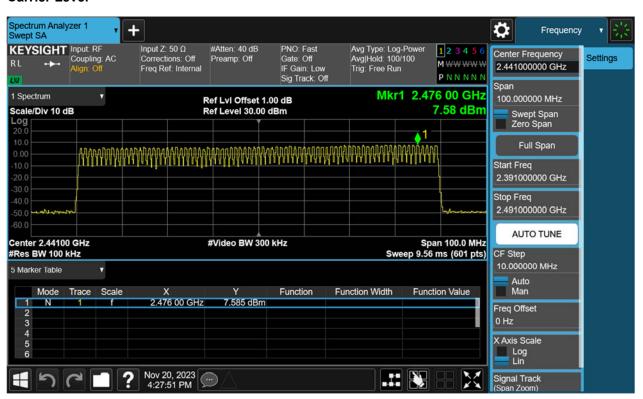




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Figure 28: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode, GFSK Carrier Level



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#### Band Edge(Low)



### Band Edge(High)



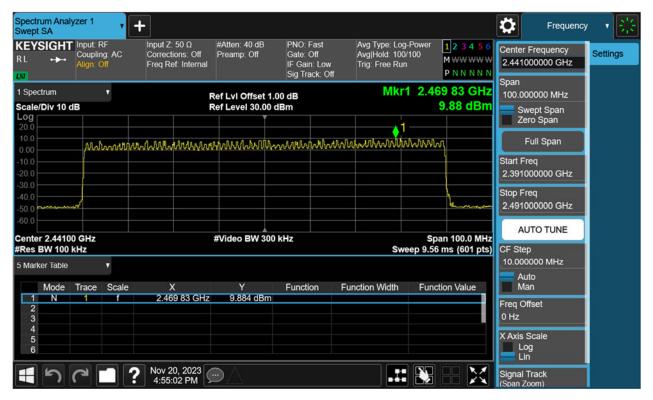
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Figure 29: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode,  $\pi$  /4-DQPSK Carrier Level



#### Band Edge(Low)



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#### Band Edge(High)

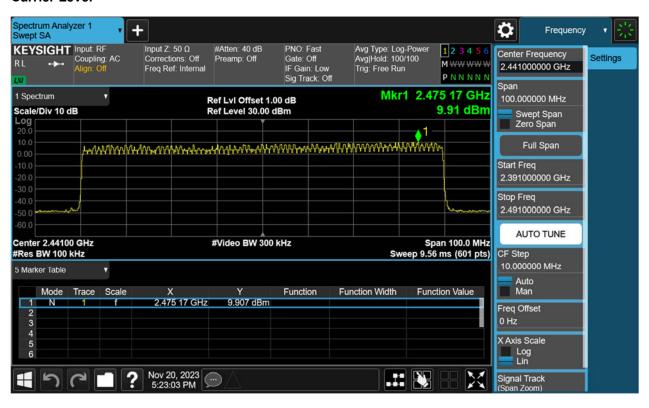




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Figure 30: Conducted Spurious Emission & Authorized-band band-edge, Hopping Mode, 8-DPSK Carrier Level



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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 : 23.5°C Relative humidity : 54%

#### Notes

Test plots please refer to the annex document "SHE23100101-02CE 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 : 23.5°C
Relative humidity : 54%

#### Notes

- 1. Test plots please refer to the annex document "SHE23100101-02CE 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 : 21.3°C
Relative humidity : 42%

**Table 3: Hopping Frequency Separation** 

Mode	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)
GFSK	2441	1.005	0.9611
π /4-DQPSK	2441	0.880	0.8429
8-DPSK	2441	1.145	0.8529

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