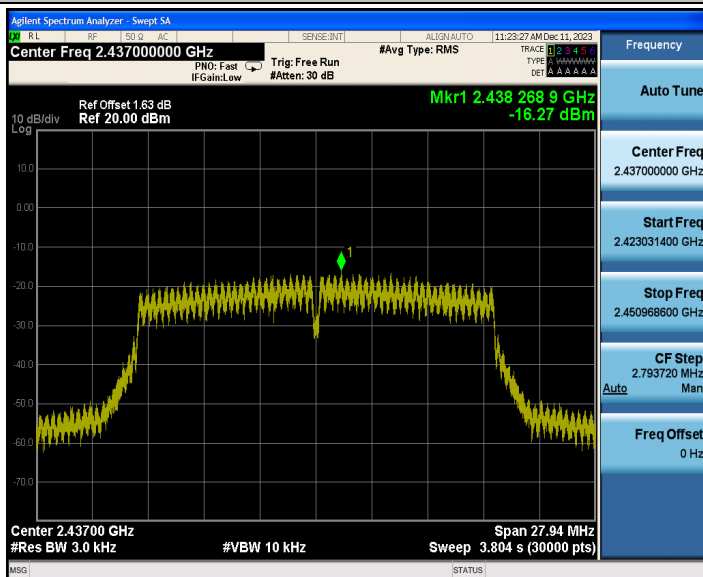
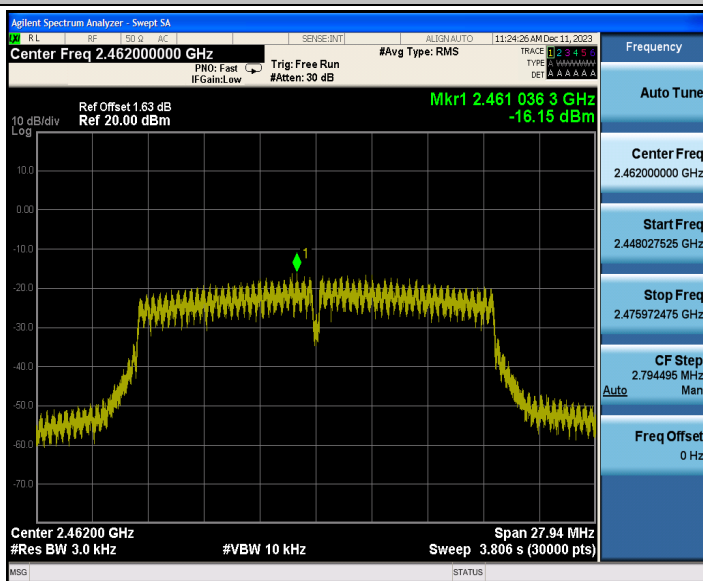


802.11n(HT20)\_2437



802.11n(HT20)\_2462



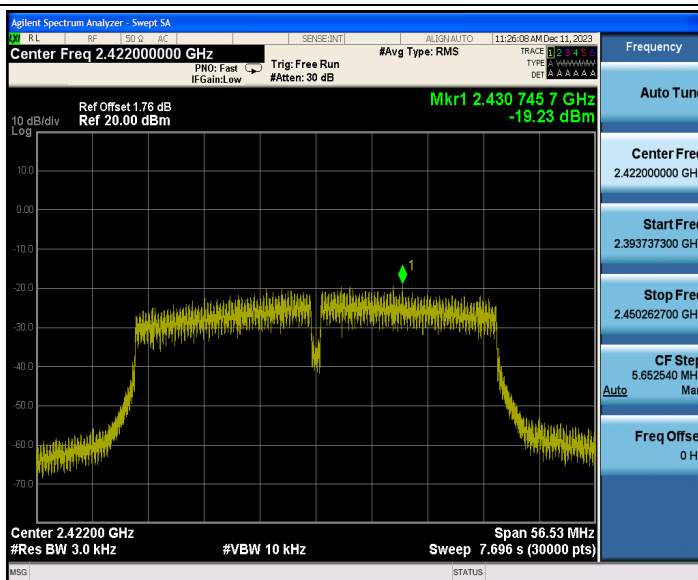
802.11n(HT40)\_2422

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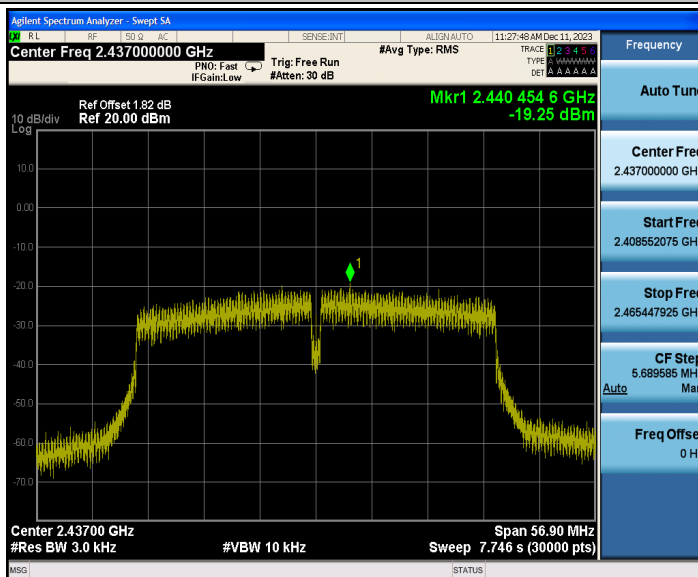
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



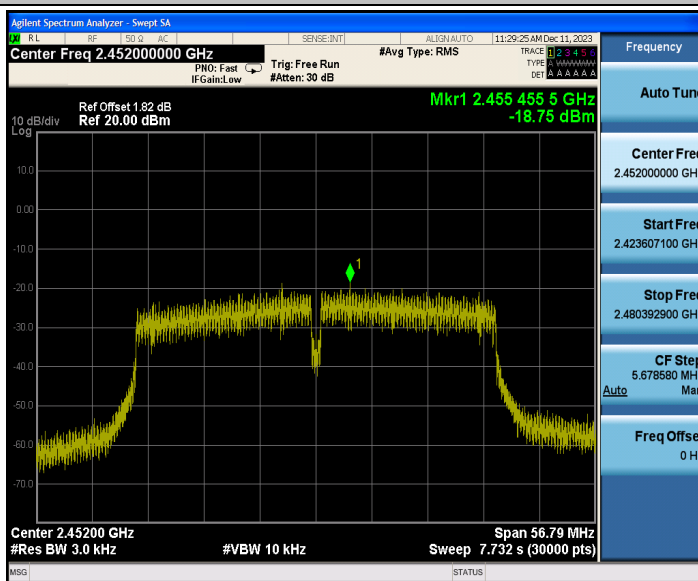
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802.11n(HT40)\_2437



802.11n(HT40)\_2452



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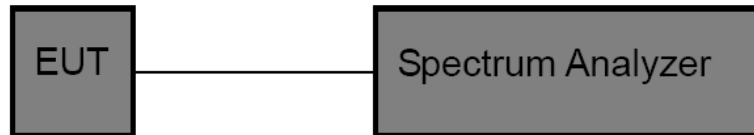
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)

### 3.8. Duty Cycle

**Limit**

None, for report purposes only.

**Test Configuration**



**Test Procedure**

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:  
 Set analyzer center frequency to DTS channel center frequency.  
 Set the span to 0Hz  
 Set the RBW to 8MHz  
 Set the VBW to 8MHz  
 Detector: peak  
 Sweep time: auto  
 Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

**Test Mode**

Please refer to the clause 2.4.

**Test Result**

Test Mode	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
802.11b	2412	8.39	8.42	99.64	0.02	0.119	1
	2437	8.38	8.41	99.64	0.02	0.119	1
	2462	8.38	8.42	99.52	0.02	0.119	1
802.11g	2412	1.39	1.43	97.20	0.12	0.719	1
	2437	1.39	1.43	97.20	0.12	0.719	1
	2462	1.39	1.43	97.20	0.12	0.719	1
802.11n(HT20)	2412	1.30	1.34	97.01	0.13	0.769	1
	2437	1.30	1.34	97.01	0.13	0.769	1
	2462	1.30	1.34	97.01	0.13	0.769	1
802.11n(HT40)	2422	0.65	0.69	94.20	0.26	1.538	2
	2437	0.65	0.70	92.86	0.32	1.538	2
	2452	0.65	0.70	92.86	0.32	1.538	2

Note: Duty Cycle Factor = 10\*Log10(1/ Duty Cycle)

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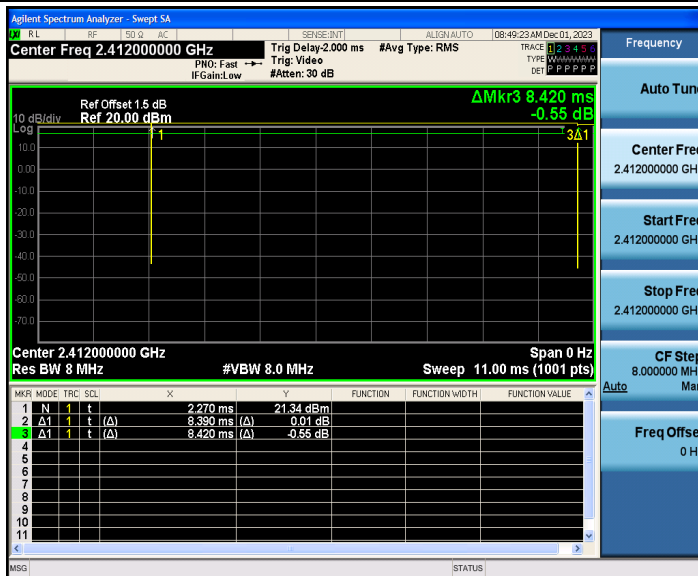
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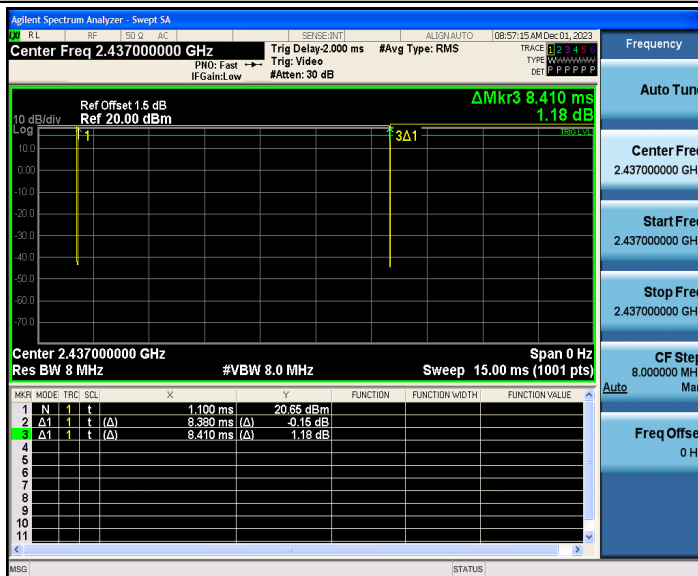
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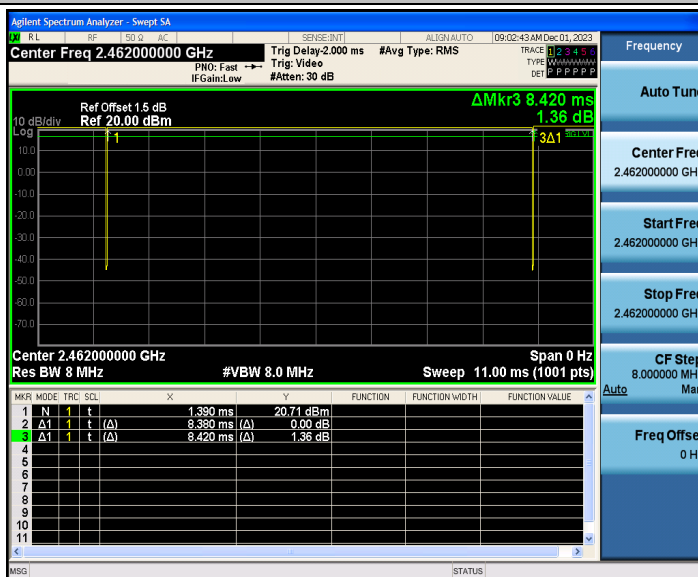
802.11b\_2412



802.11b\_2437



802.11b\_2462



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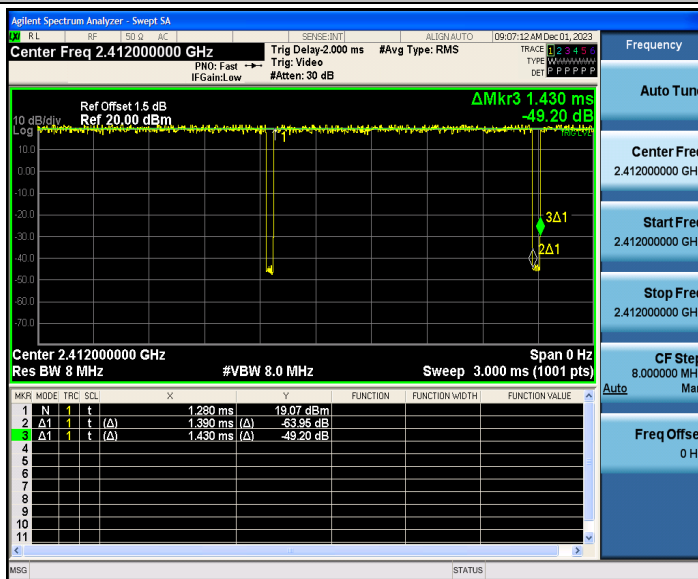
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



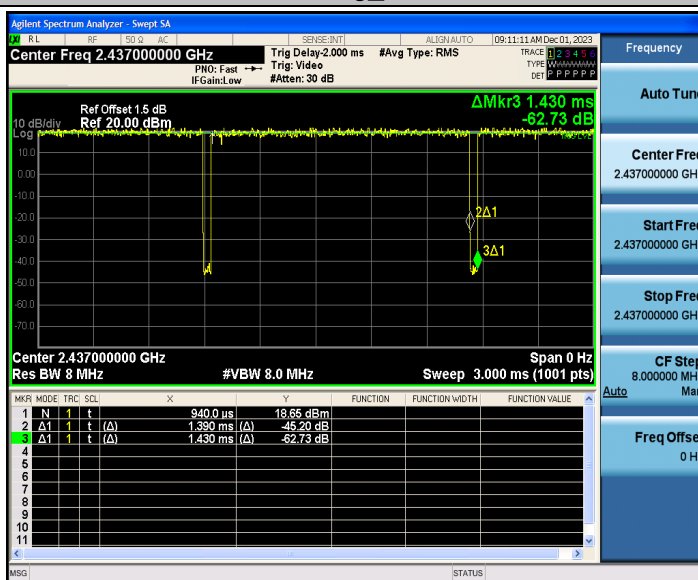
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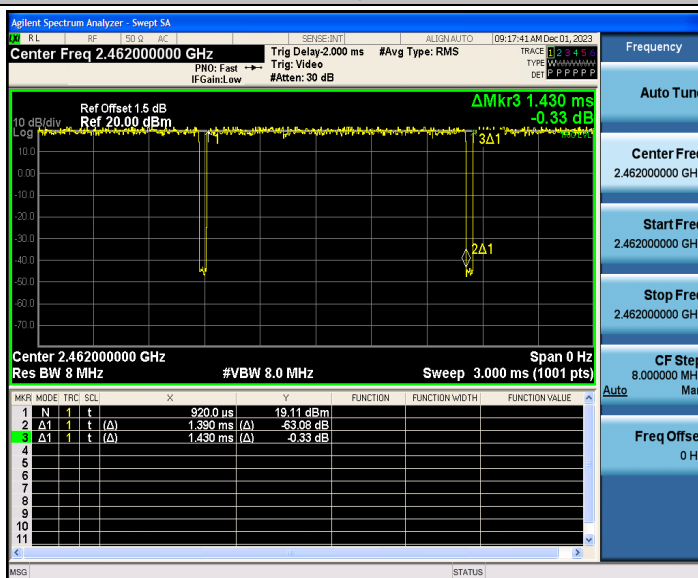
802.11g\_2412



802.11g\_2437



802.11g\_2462

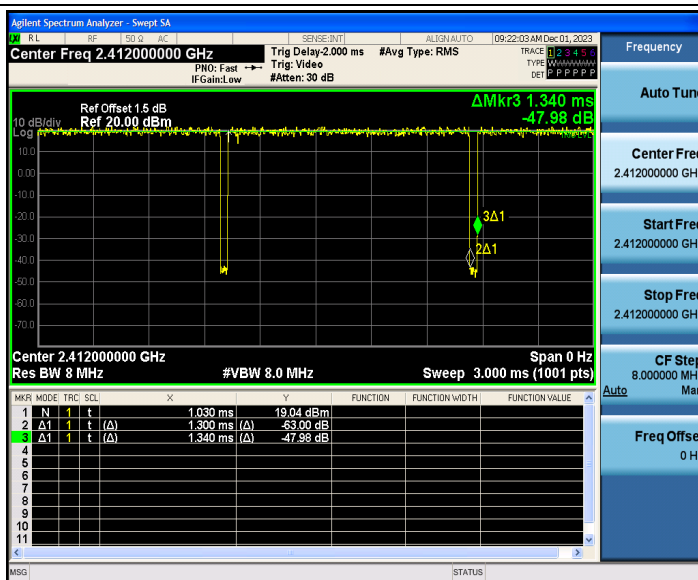


802.11n(HT20)\_2412

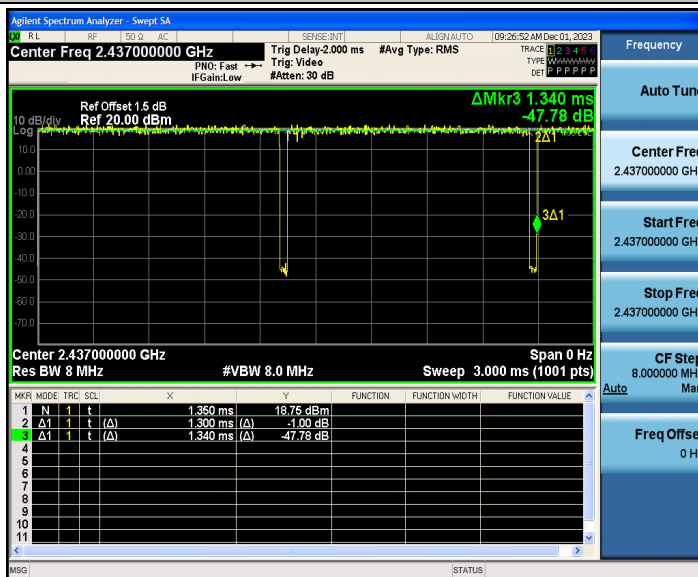
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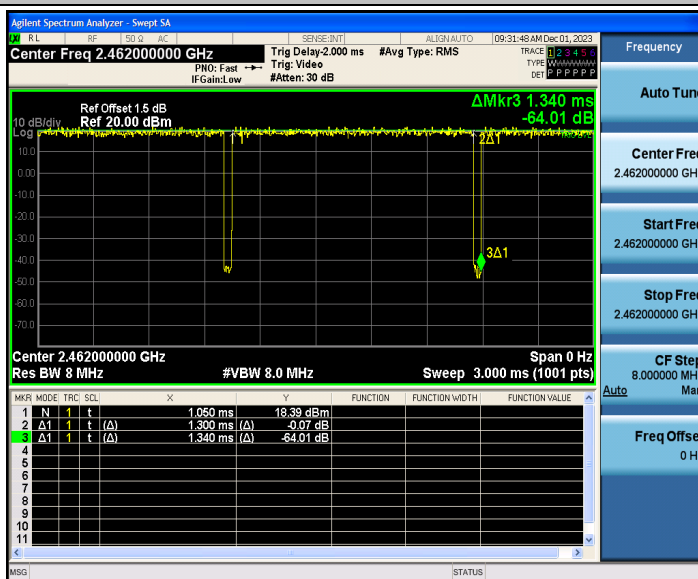
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802.11n(HT20)\_2437



802.11n(HT20)\_2462



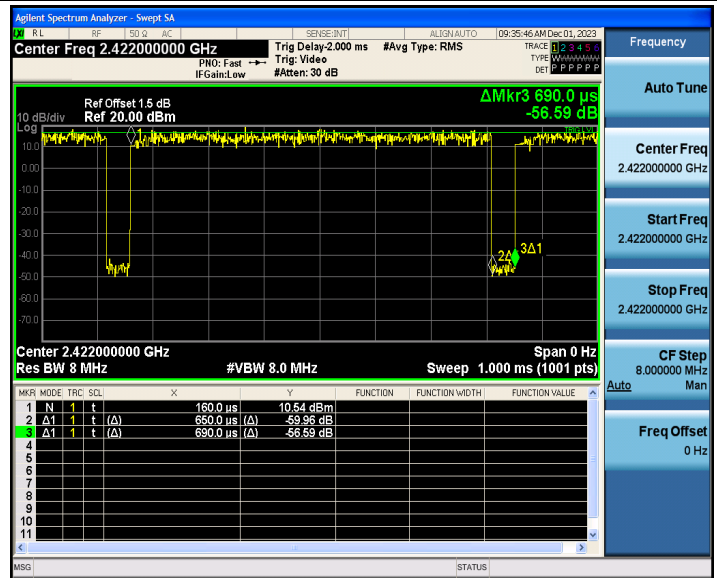
802.11n(HT40)\_2422

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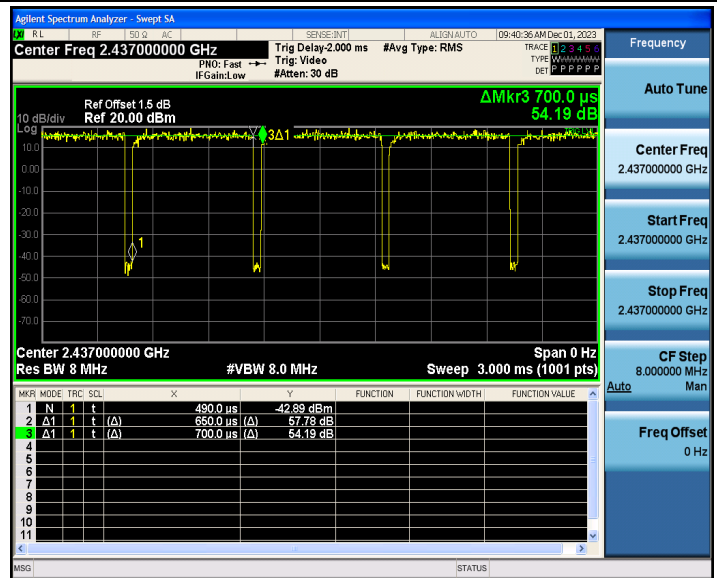
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Tel.: (86)755-27521059

Fax: (86)755-27521011 Http://www.sz-ctc.org.cn  
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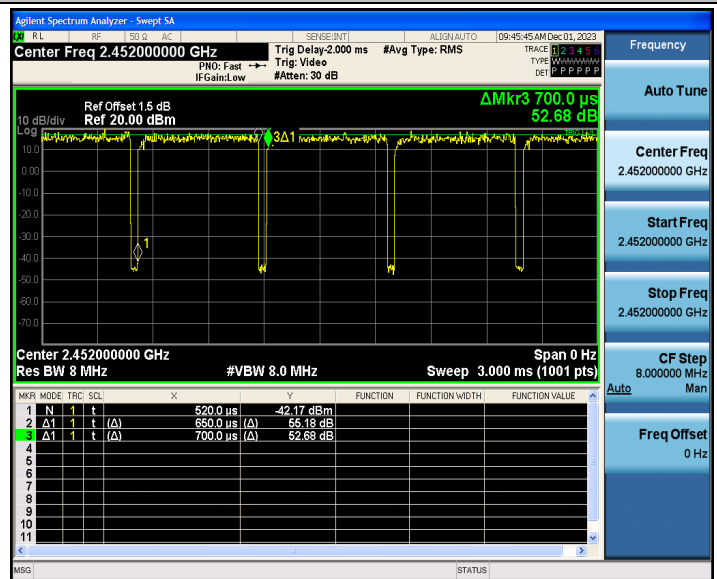




802.11n(HT40)\_2437



802.11n(HT40)\_2452





### 3.9. Antenna requirement

#### Requirement

**FCC CFR Title 47 Part 15 Subpart C 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. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

**FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):**

(i) Systems operating in the 2400~2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

#### Test Result

The directional gain of the antenna less than 6dBi, please refer to the EUT internal photographs antenna photo.

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