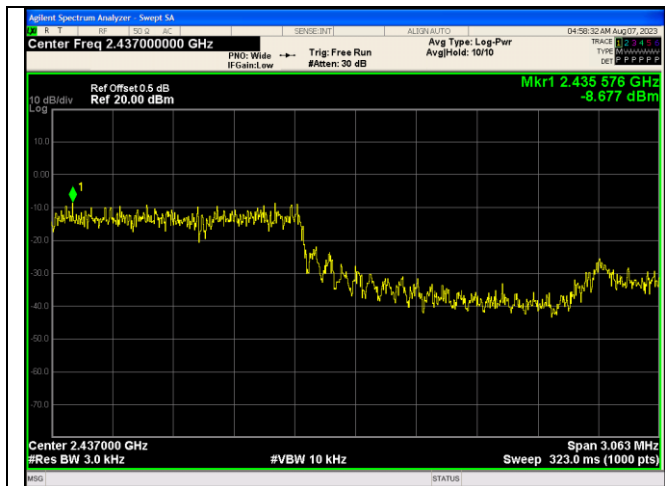
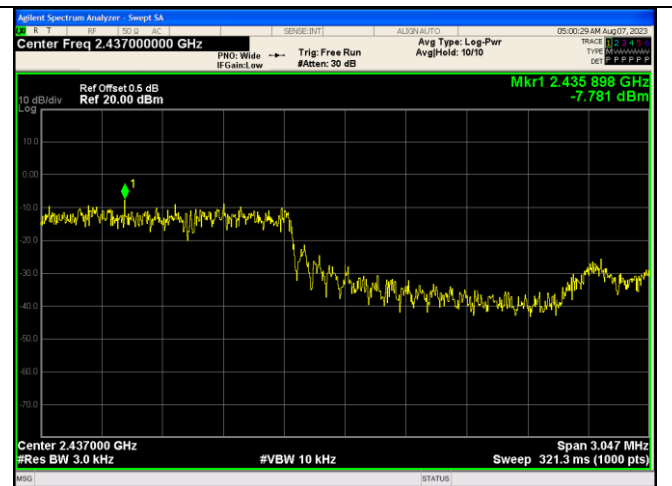
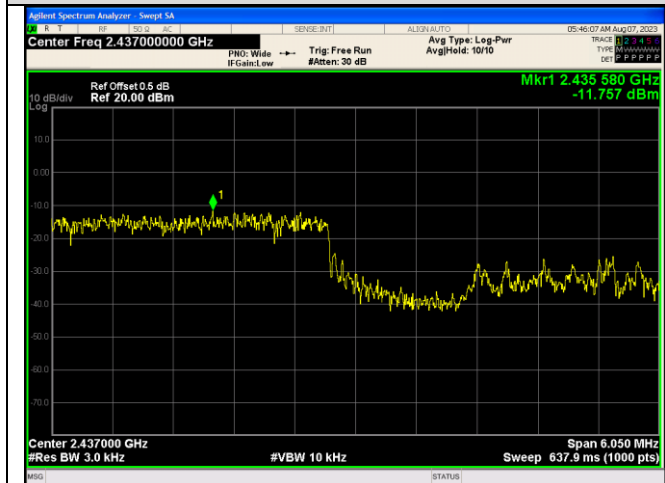




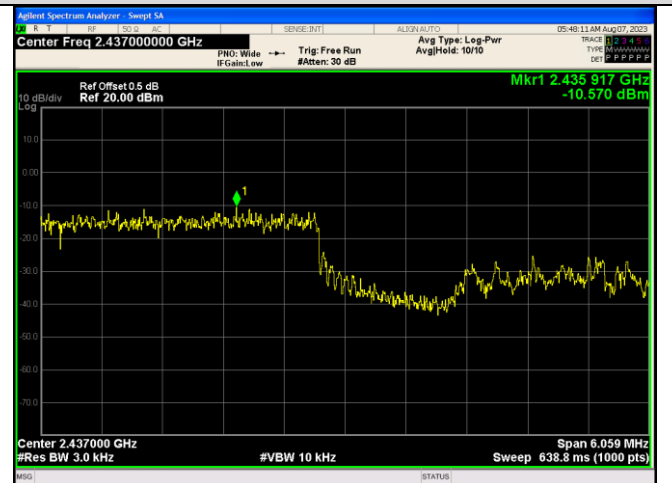
IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index 26RU8



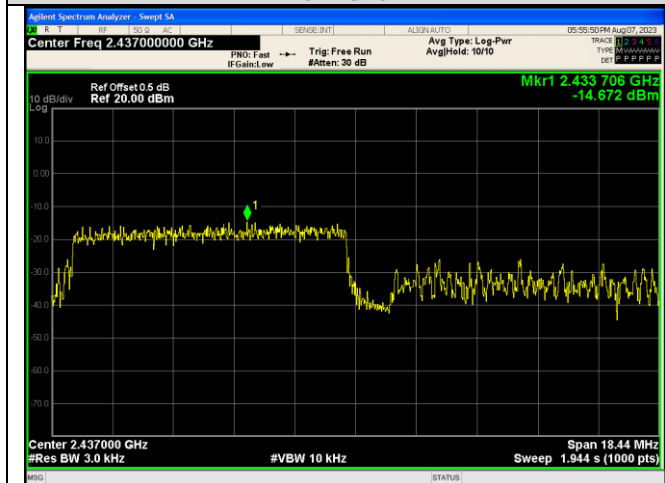
IEEE 802.11ax_Channel 6_40MHz_Antenna 1_RU&Index 26RU8



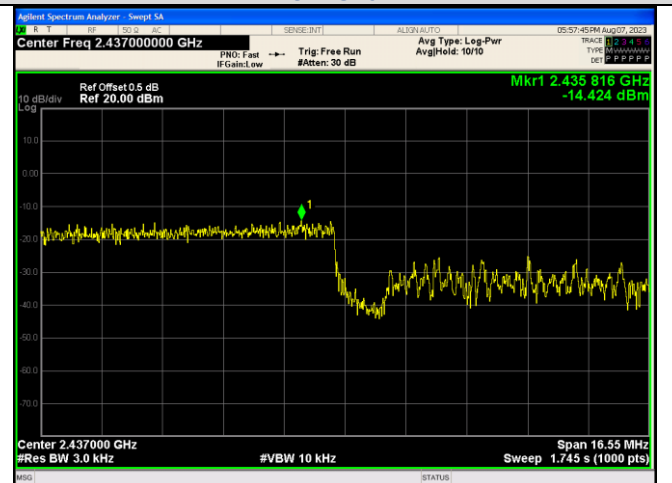
IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index 52RU40



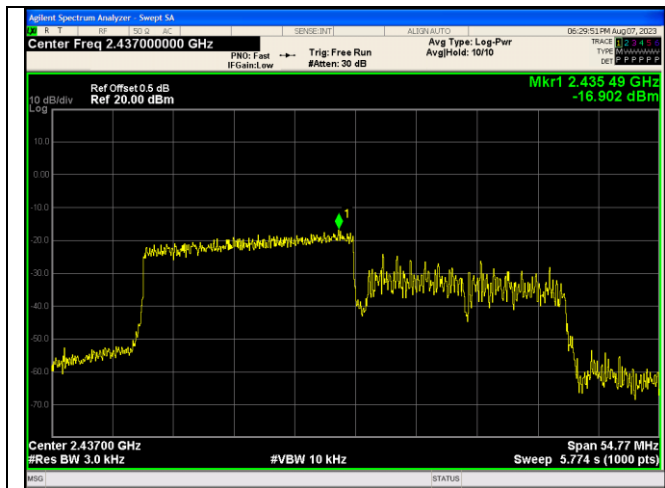
IEEE 802.11ax_Channel 6_40MHz_Antenna 1_RU&Index 52RU40



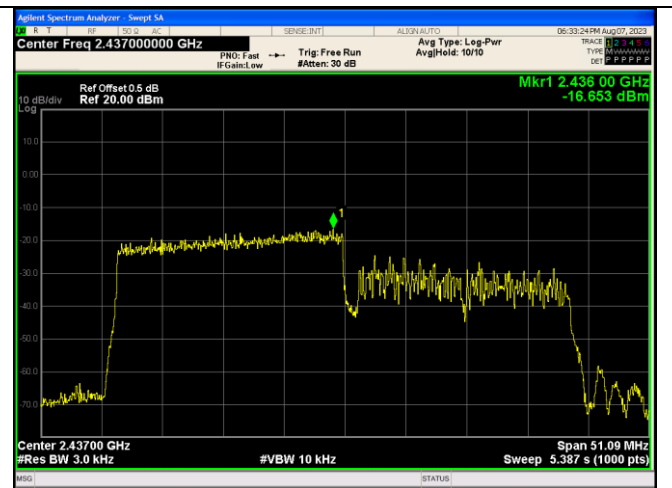
IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index 106RU54



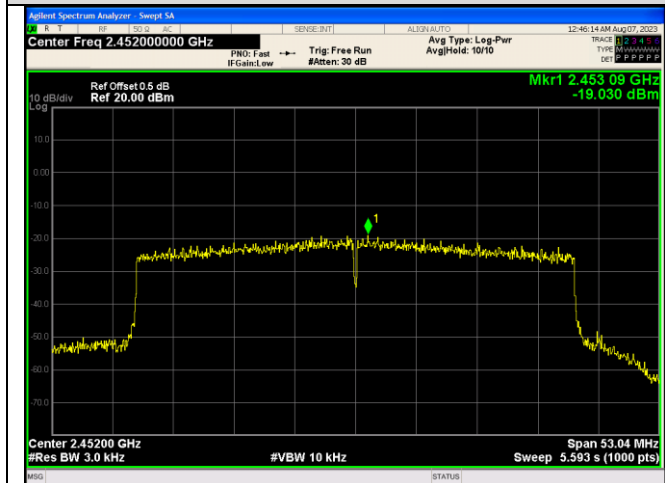
IEEE 802.11ax_Channel 6_40MHz_Antenna 1_RU&Index 106RU54



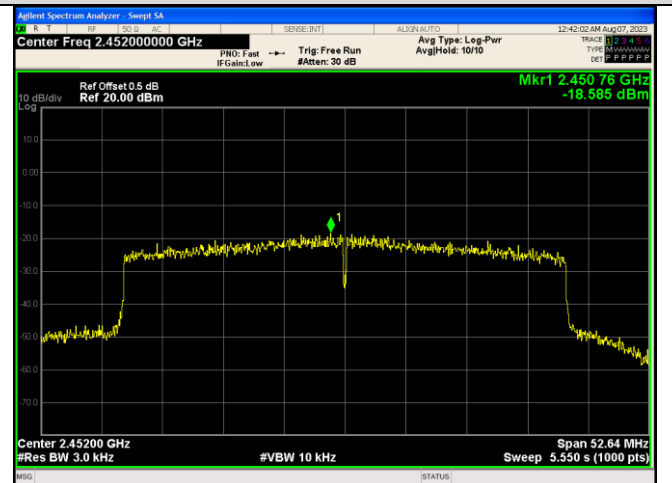
IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index 242RU61



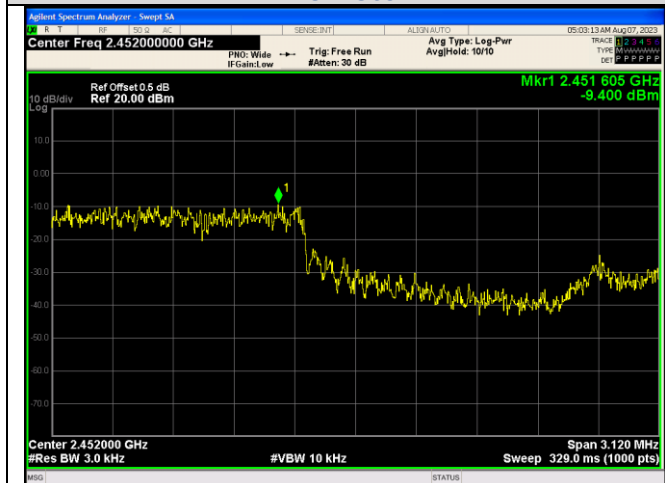
IEEE 802.11ax_Channel 6_40MHz_Antenna 1_RU&Index 242RU61



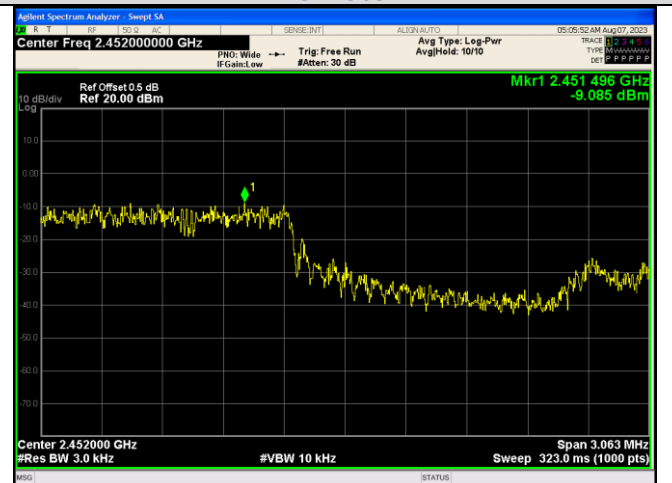
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 484RU65



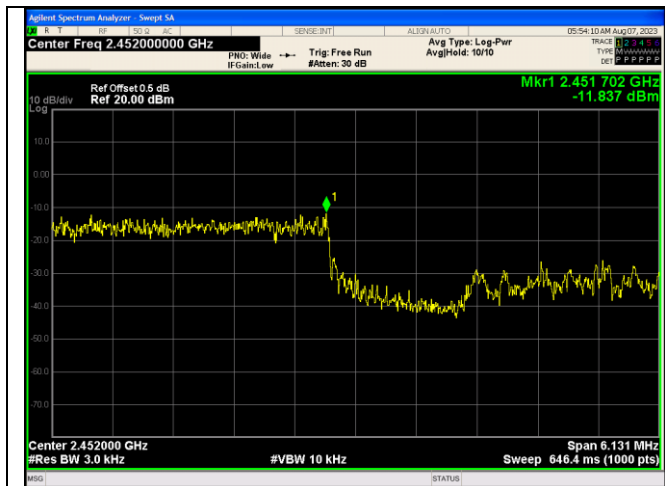
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 484RU65



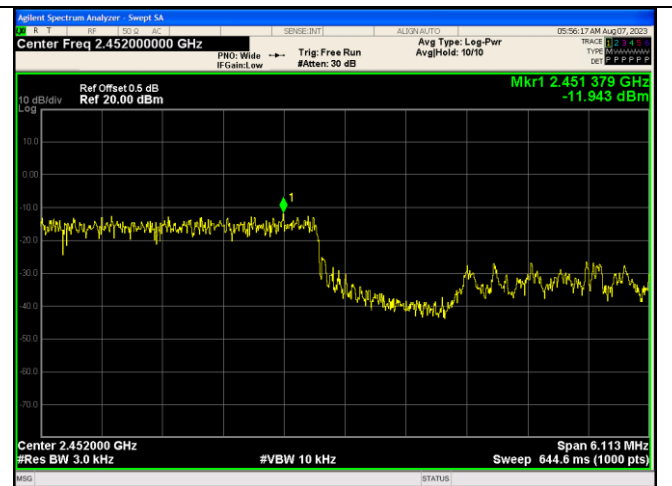
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 26RU8



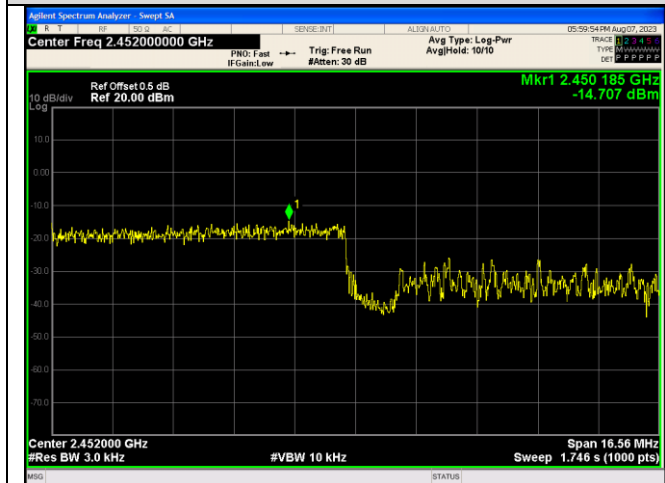
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 26RU8



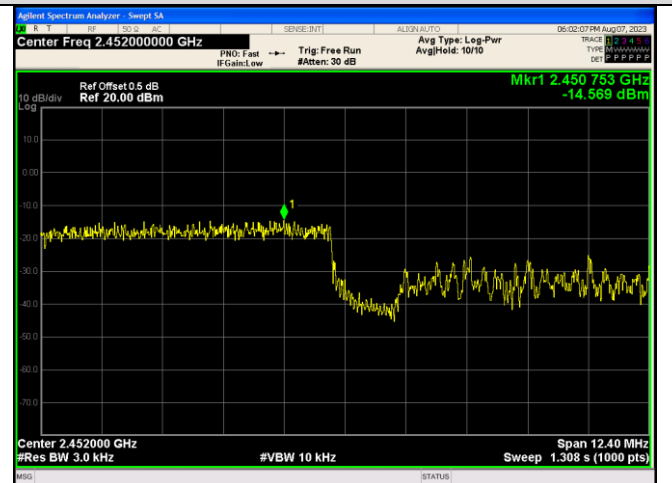
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 52RU40



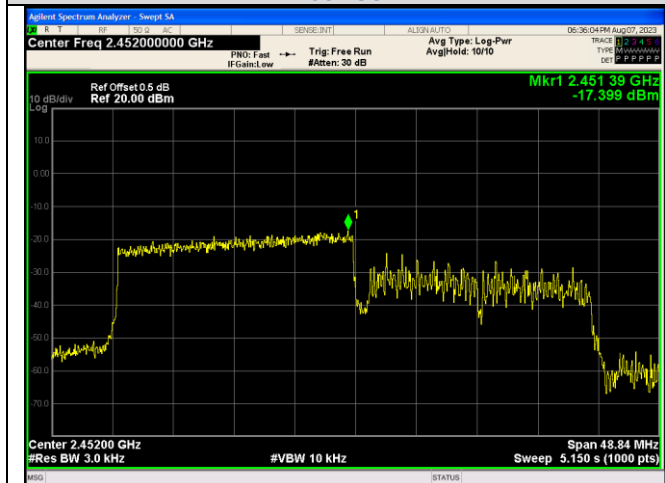
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 52RU40



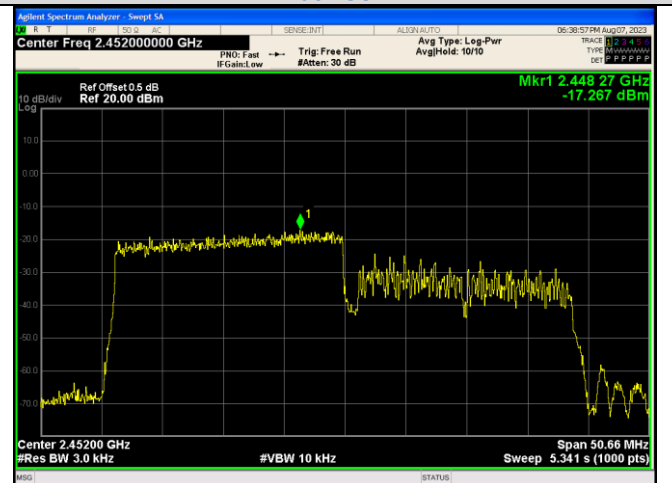
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 106RU54



IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 106RU54



IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index 242RU61



IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index 242RU61

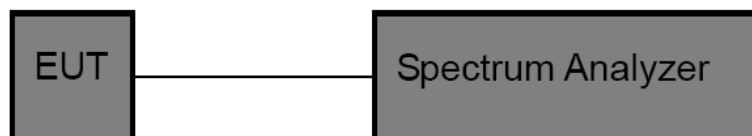


3.8. Duty Cycle

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 test channel center frequency.
Set the span to 0Hz.
Set the RBW to 10MHz.
Set the VBW to 10MHz.
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.

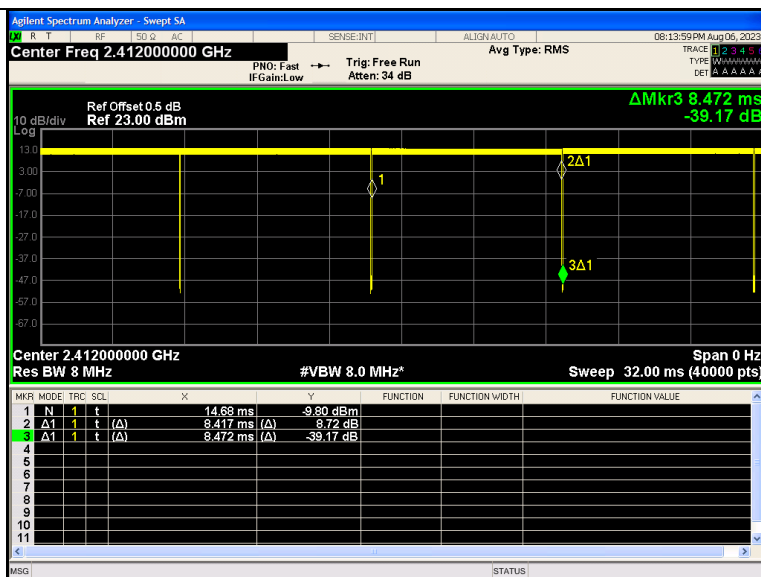
**Test Result**

Mode	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	1/T Minimum VBW (kHz)	Final Setting for VBW (kHz)
IEEE 802.11b	1	1	8.417	8.472	99.35	0.12	1
		2	8.417	8.472	99.35	0.12	1
	6	1	8.416	8.472	99.34	0.12	1
		2	8.416	8.472	99.34	0.12	1
	11	1	8.416	8.472	99.34	0.12	1
		2	8.417	8.473	99.34	0.12	1
IEEE 802.11g	1	1	1.397	1.454	96.11	0.72	1
		2	1.397	1.454	96.11	0.72	1
	6	1	1.397	1.453	96.15	0.72	1
		2	1.397	1.453	96.15	0.72	1
	11	1	1.397	1.453	96.15	0.72	1
		2	1.397	1.453	96.15	0.72	1
IEEE 802.11n_20	1	1	0.665	0.722	92.12	1.50	2
		2	0.665	0.721	92.13	1.50	2
	6	1	0.665	0.721	92.17	1.50	2
		2	0.665	0.721	92.19	1.50	2
	11	1	0.665	0.721	92.19	1.50	2
		2	0.665	0.721	92.19	1.50	2
IEEE 802.11n_40	3	1	0.337	0.393	85.61	2.97	3
		2	0.337	0.393	85.68	2.97	3
	6	1	0.337	0.393	85.64	2.97	3
		2	0.337	0.393	85.63	2.97	3
	9	1	0.337	0.393	85.62	2.97	3
		2	0.337	0.393	85.60	2.97	3

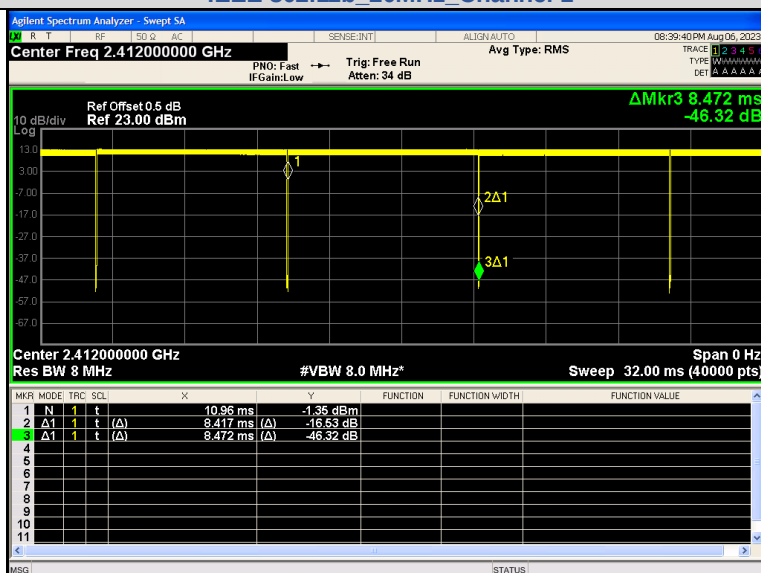
Mode	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	1/T Minimum VBW (kHz)	Final Setting for VBW (kHz)
IEEE 802.11ax_20	1	242RU61	1	0.562	0.618	90.87	1.78	2
			2	0.562	0.618	90.88	1.78	2
	6		1	0.562	0.618	90.90	1.78	2
			2	0.561	0.618	90.88	1.78	2
	11		1	0.562	0.618	90.88	1.78	2
			2	0.561	0.618	90.88	1.78	2
IEEE 802.11ax_40	3	484RU65	1	0.321	0.377	85.02	3.12	4
			2	0.320	0.377	84.99	3.13	4
	6		1	0.321	0.377	85.01	3.12	4
			2	0.321	0.377	85.03	3.12	4
	9		1	0.321	0.377	85.00	3.12	4
			2	0.320	0.377	84.99	3.13	4



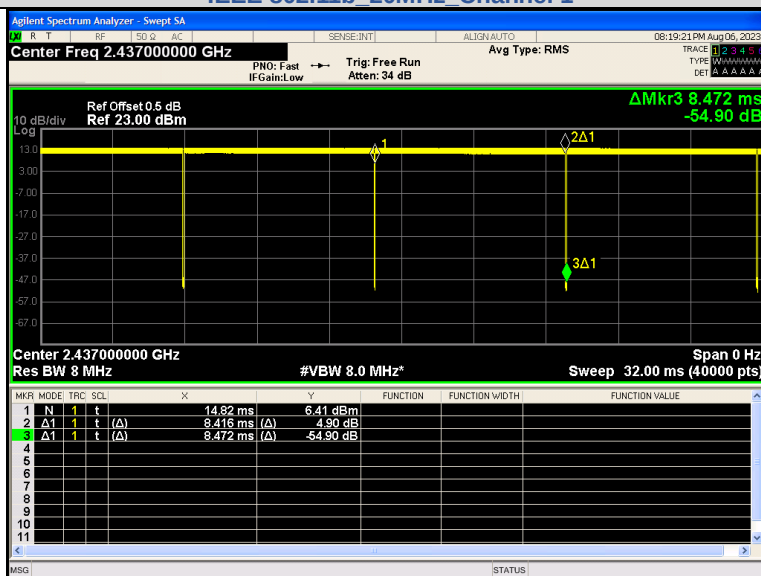
Test plot as follows:



IEEE 802.11b 20MHz Channel 1



IEEE 802.11b 20MHz Channel 1



IEEE 802.11b 20MHz Channel 6

CTC Laboratories, Inc.

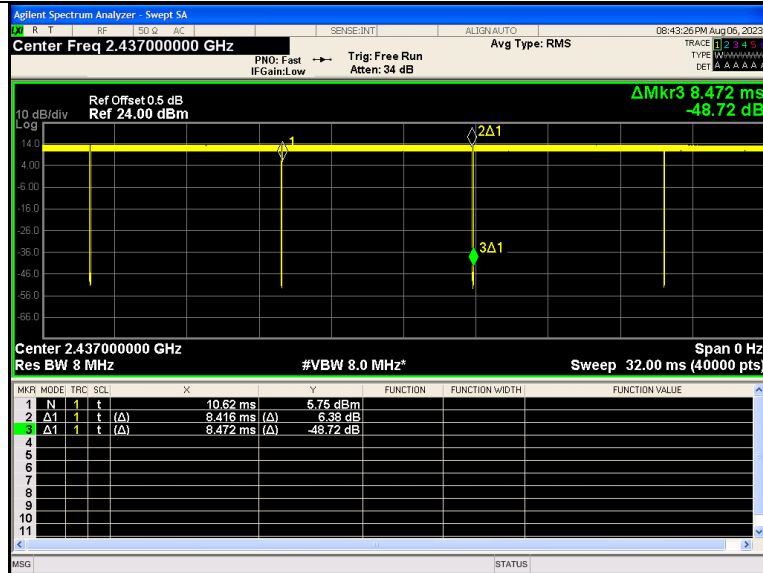
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

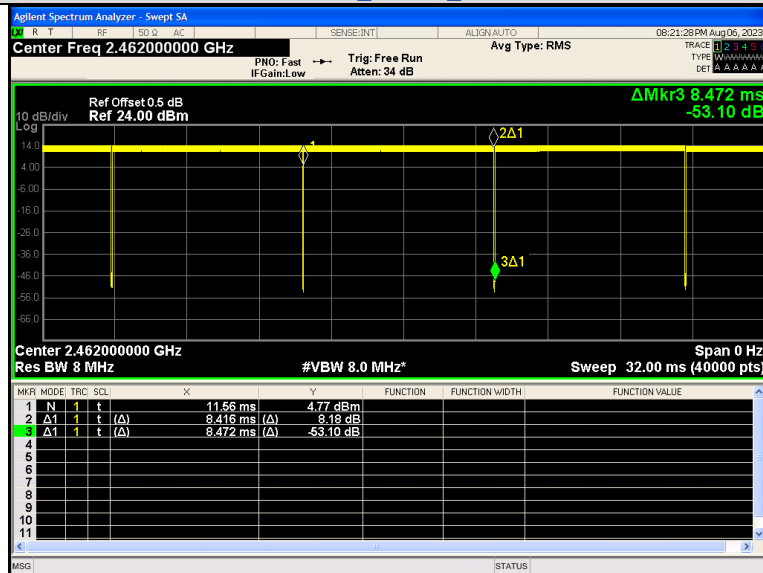
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

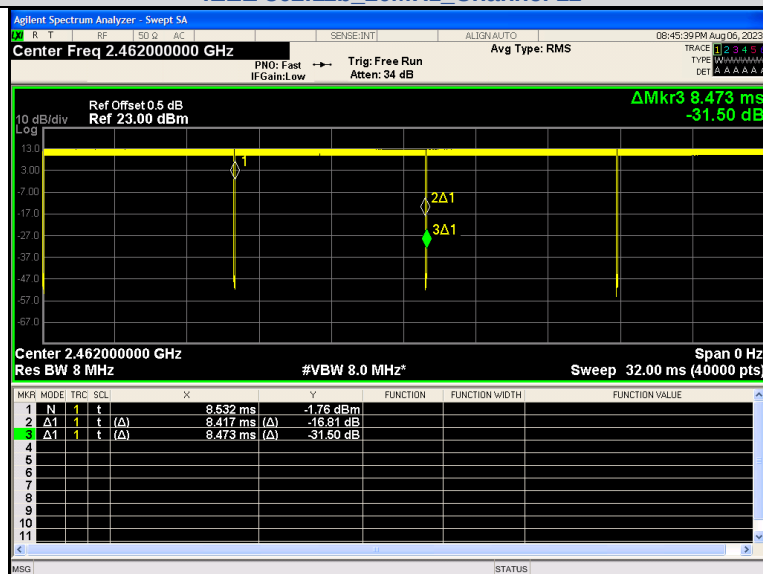
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



IEEE 802.11b 20MHz Channel 6



IEEE 802.11b 20MHz Channel 11



IEEE 802.11b 20MHz Channel 11

CTC Laboratories, Inc.

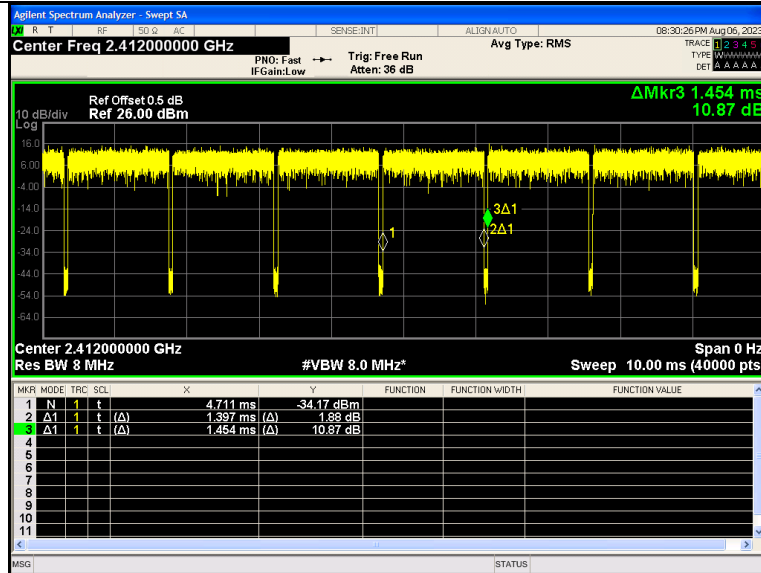
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

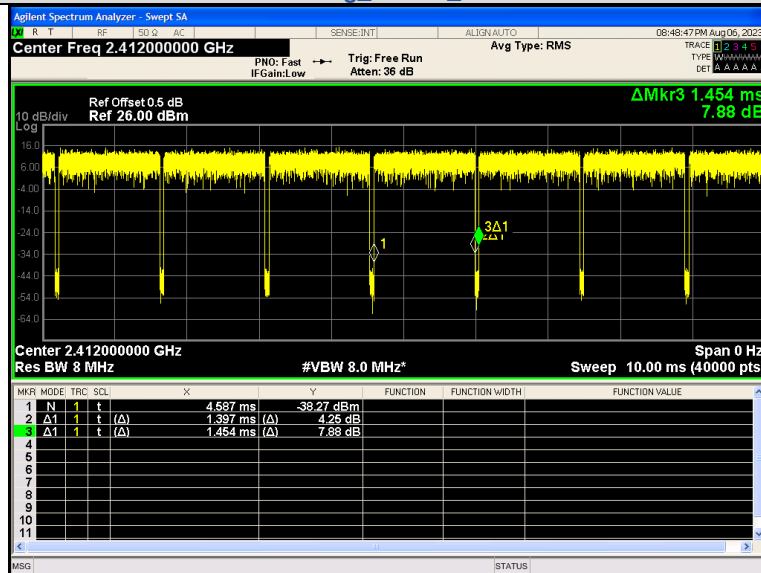
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

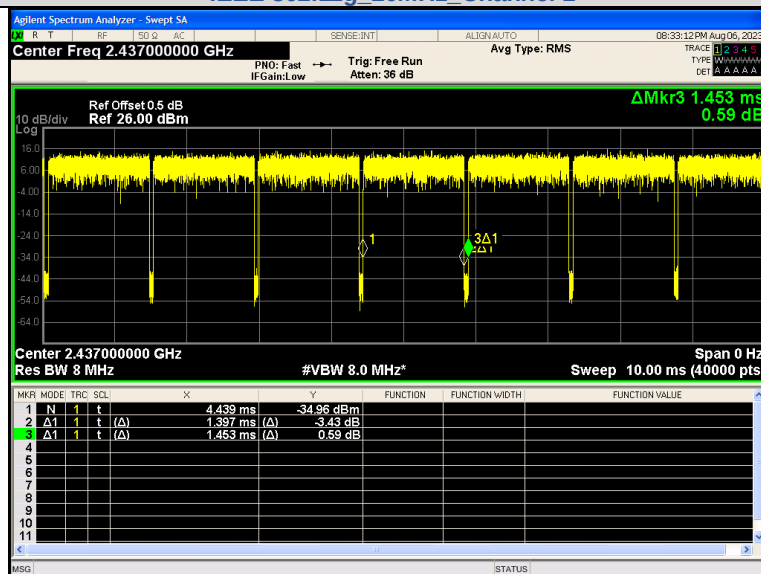
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



IEEE 802.11g 20MHz Channel 1



IEEE 802.11g 20MHz Channel 1



IEEE 802.11g 20MHz Channel 6

CTC Laboratories, Inc.

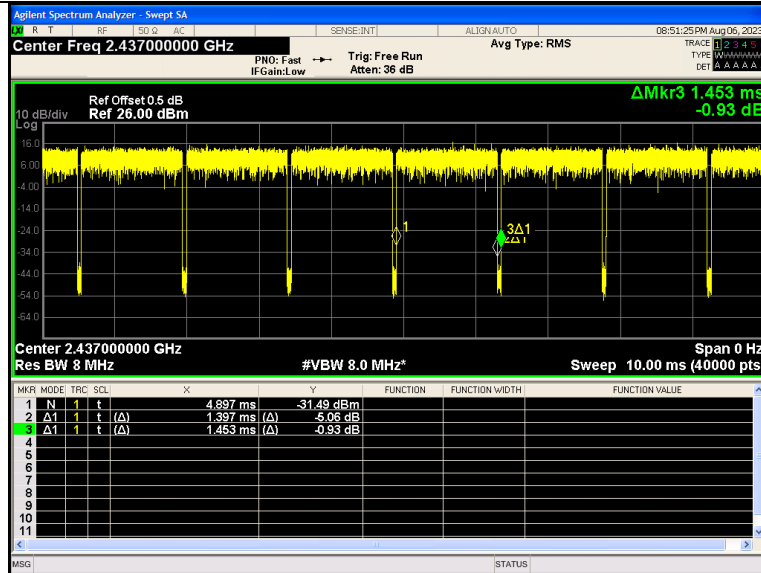
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

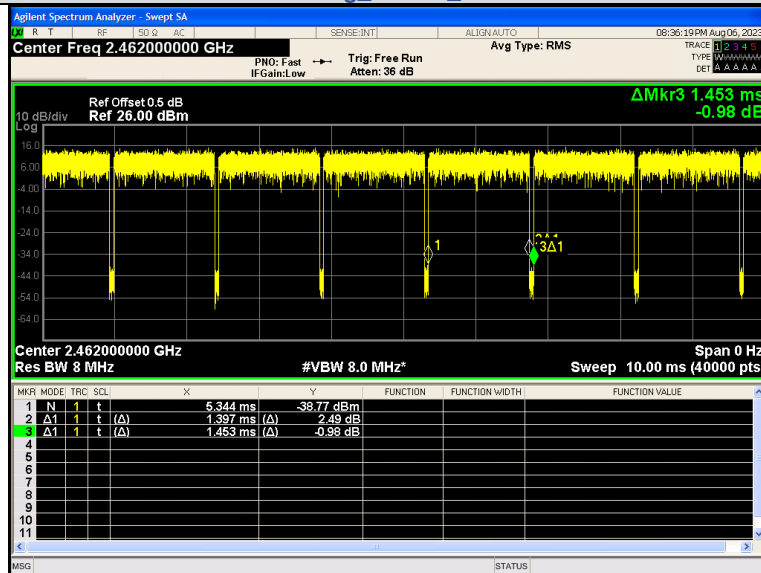
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

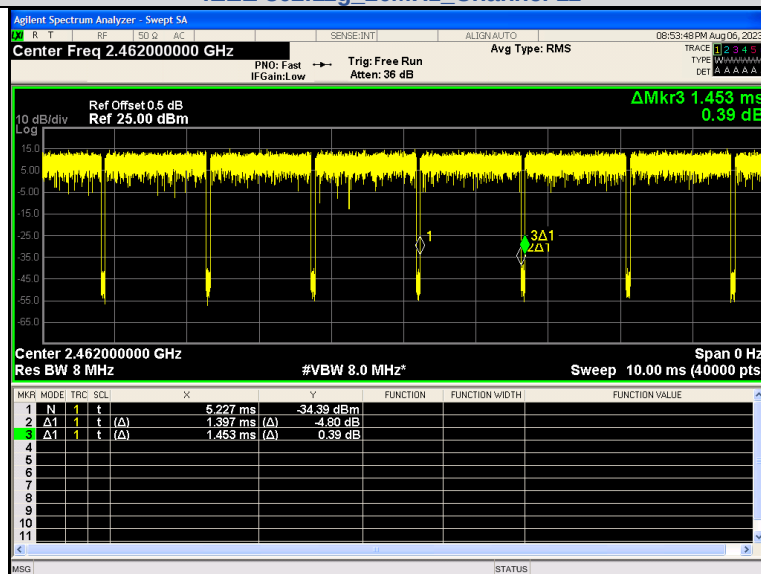
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



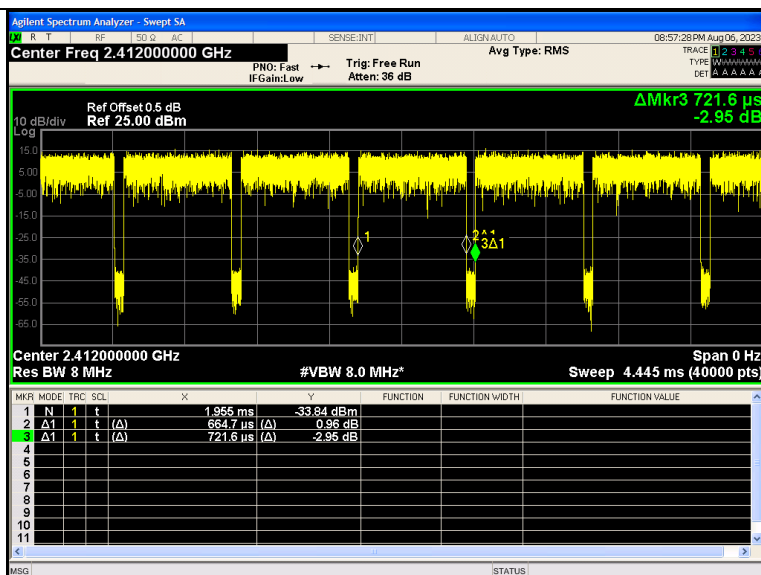
IEEE 802.11g 20MHz Channel 6



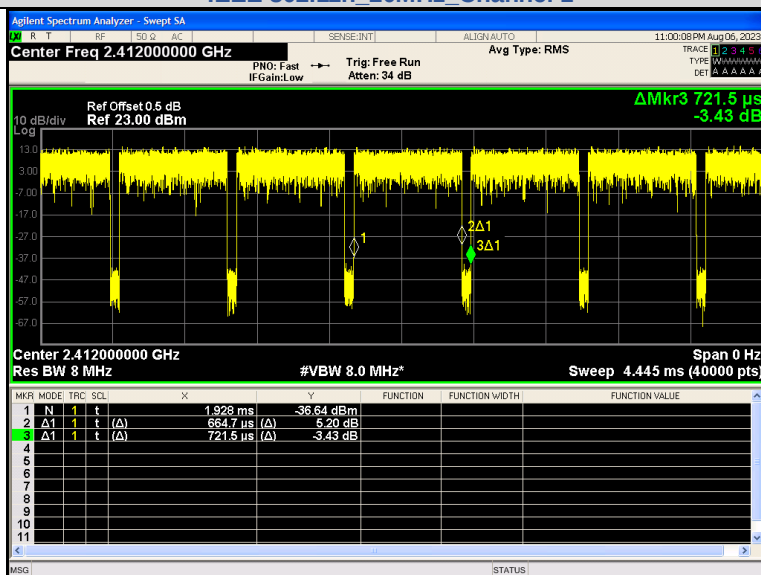
IEEE 802.11g 20MHz Channel 11



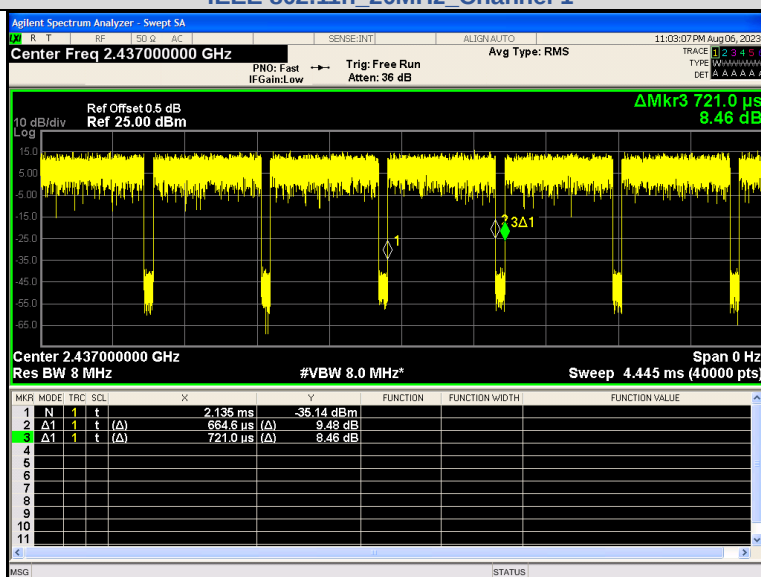
IEEE 802.11g 20MHz Channel 11



IEEE 802.11n 20MHz Channel 1



IEEE 802.11n 20MHz Channel 1



IEEE 802.11n 20MHz Channel 6

CTC Laboratories, Inc.

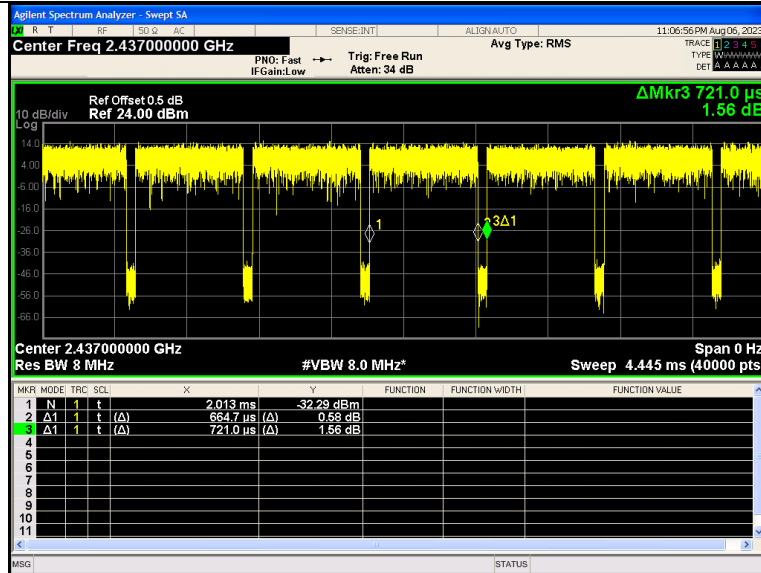
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

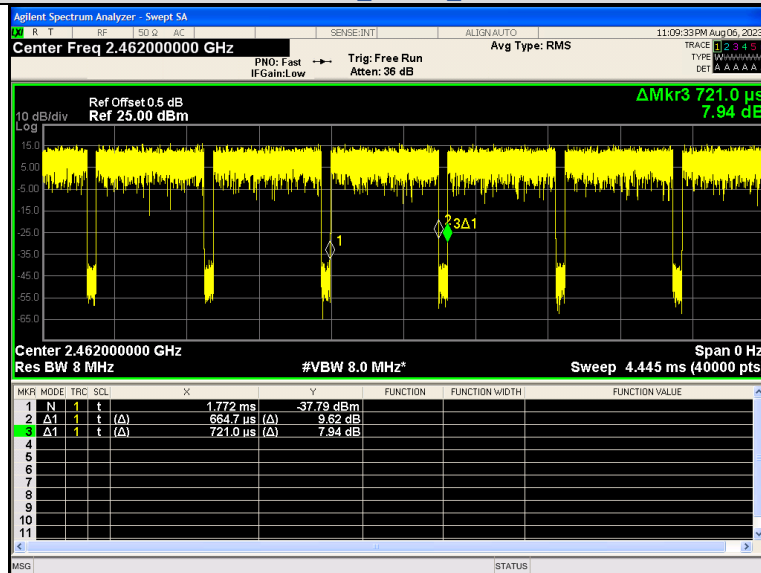
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

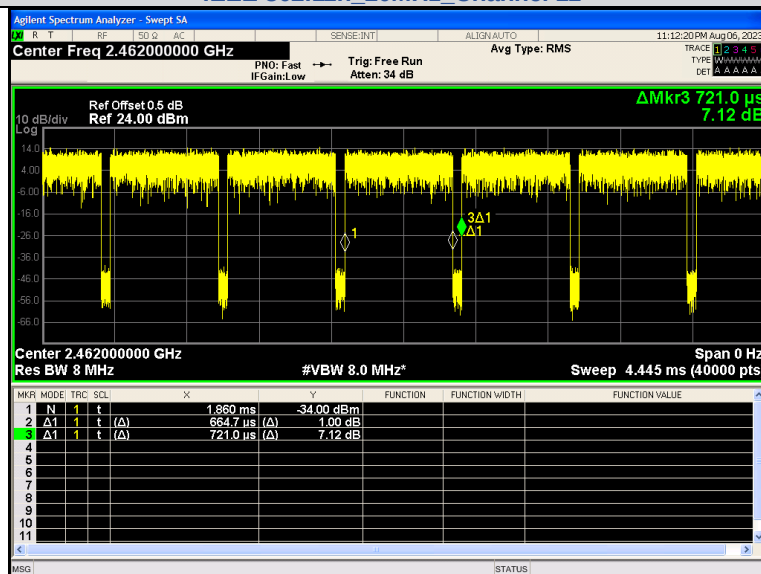
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



IEEE 802.11n 20MHz Channel 6



IEEE 802.11n 20MHz Channel 11



IEEE 802.11n 20MHz Channel 11

CTC Laboratories, Inc.

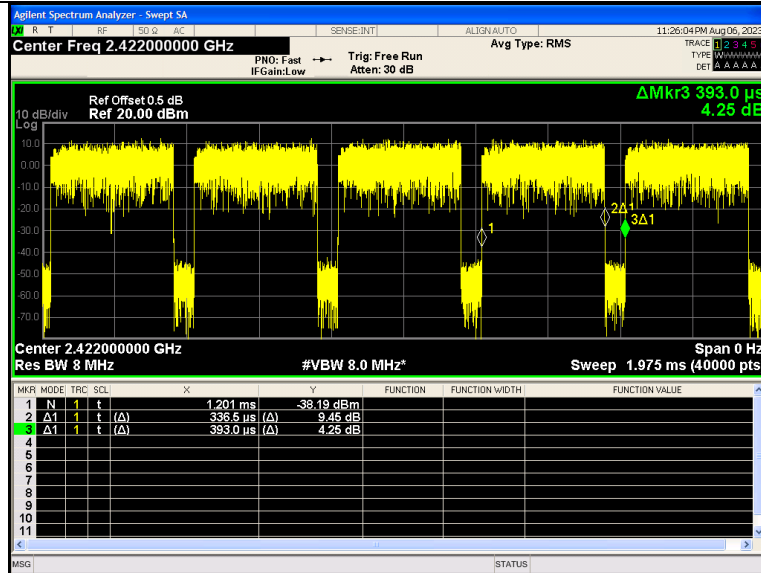
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

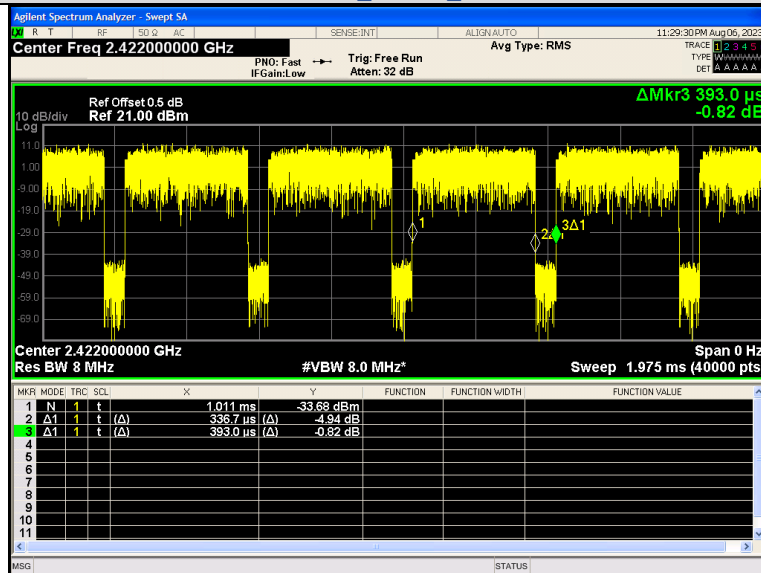
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

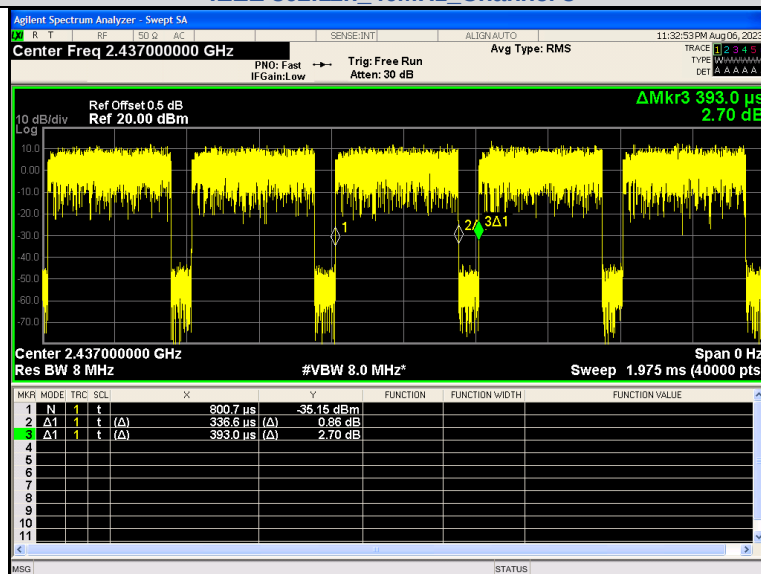
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



IEEE 802.11n 40MHz Channel 3



IEEE 802.11n 40MHz Channel 3



IEEE 802.11n 40MHz Channel 6

CTC Laboratories, Inc.

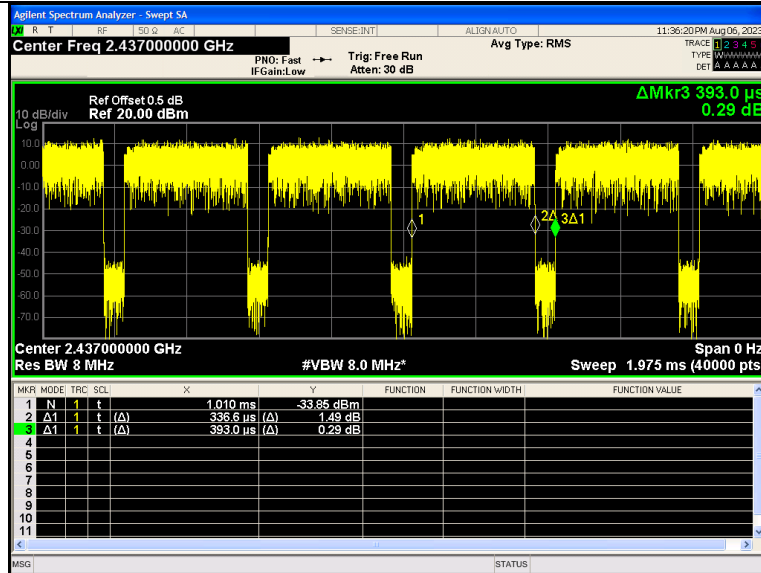
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

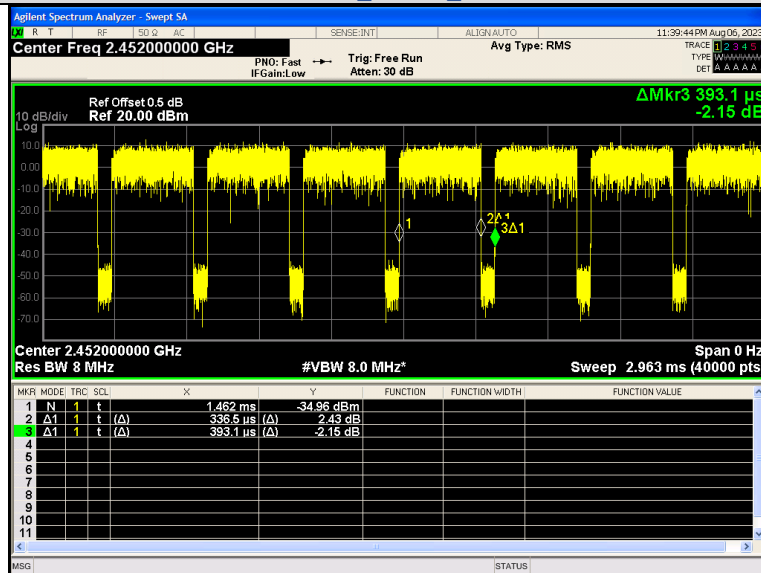
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

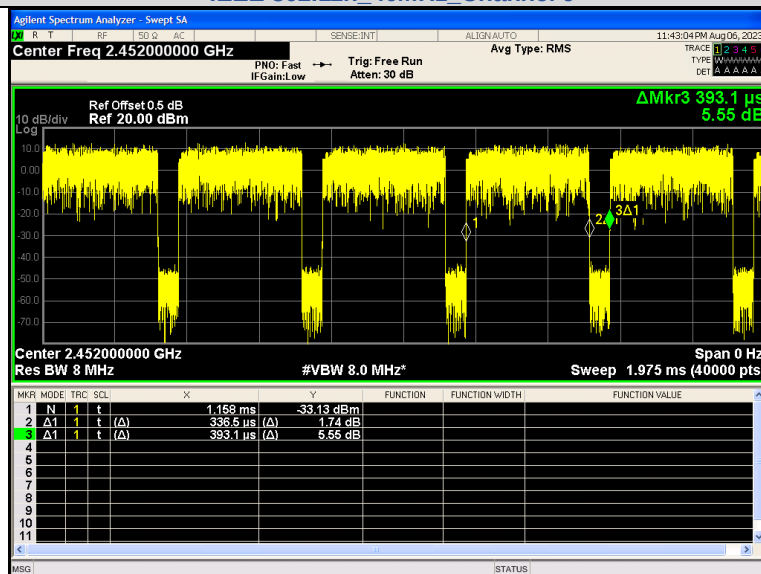
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



IEEE 802.11n 40MHz Channel 6



IEEE 802.11n 40MHz Channel 9



IEEE 802.11n 40MHz Channel 9

CTC Laboratories, Inc.

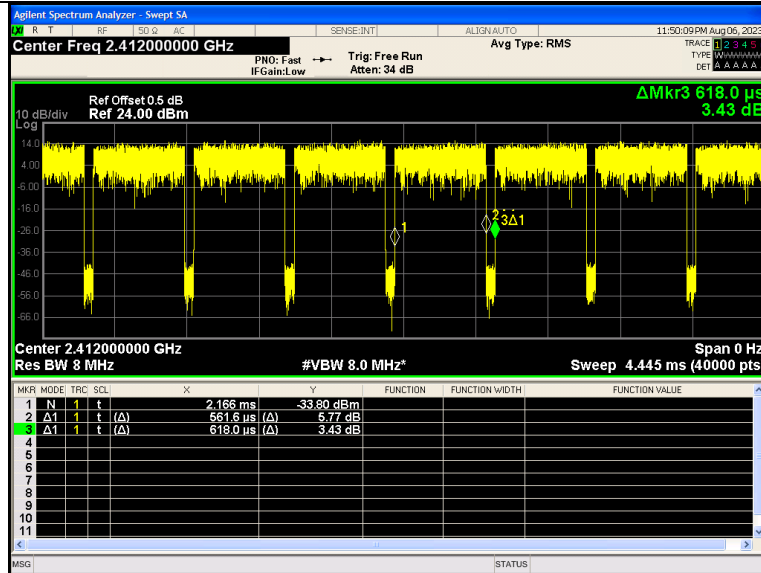
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

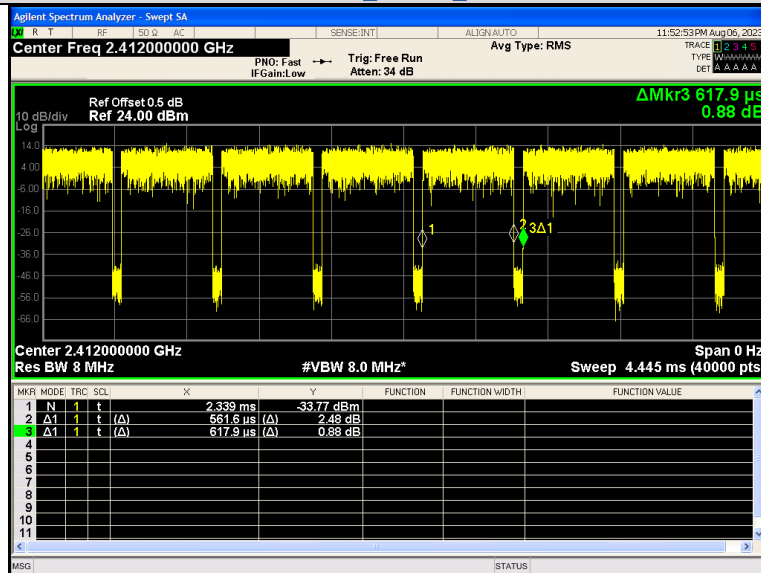
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

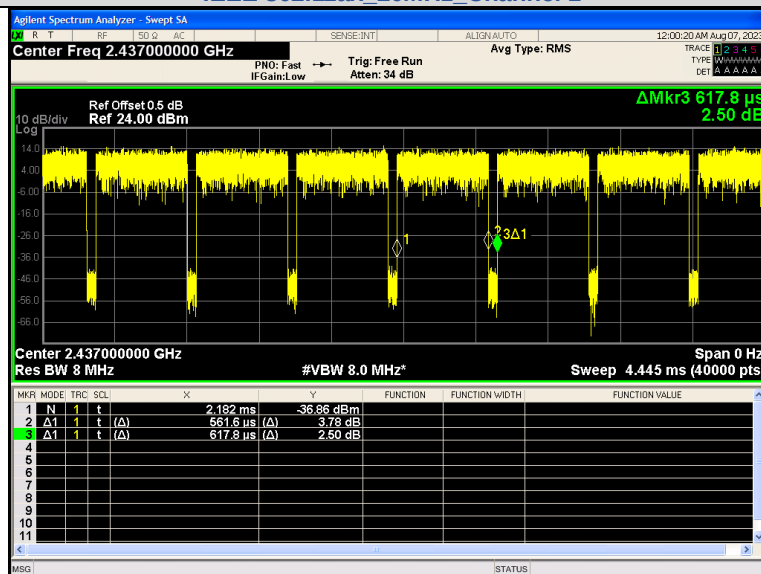
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



IEEE 802.11ax 20MHz Channel 1



IEEE 802.11ax 20MHz Channel 1



IEEE 802.11ax 20MHz Channel 6

CTC Laboratories, Inc.

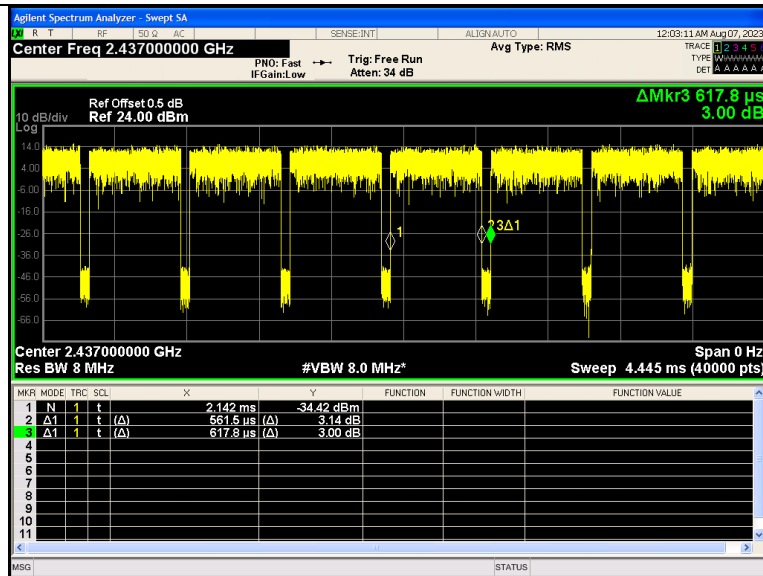
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

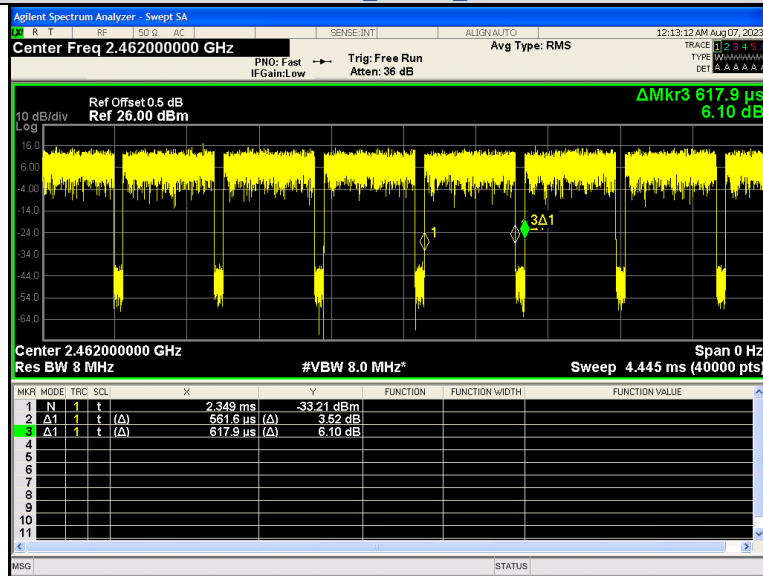
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

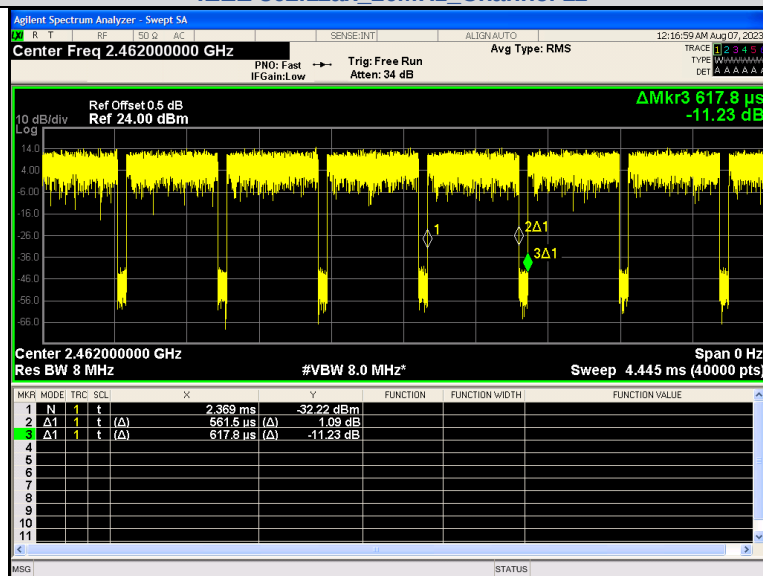
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



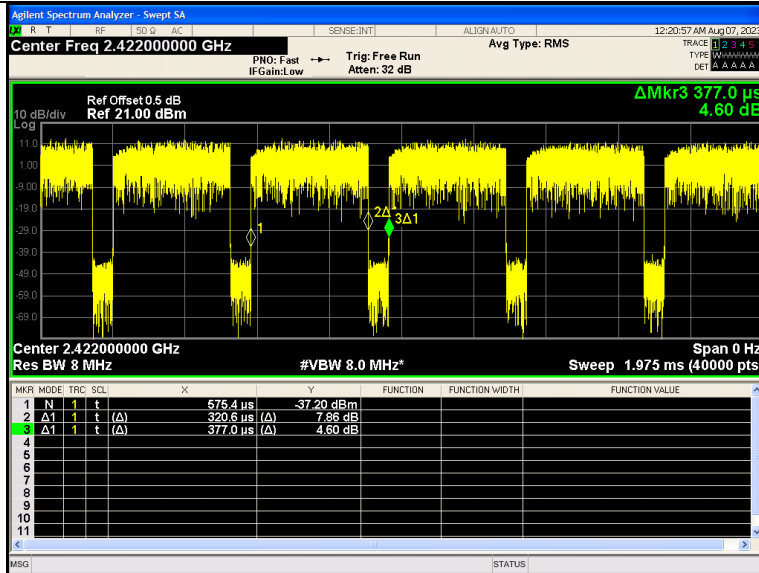
IEEE 802.11ax 20MHz Channel 6



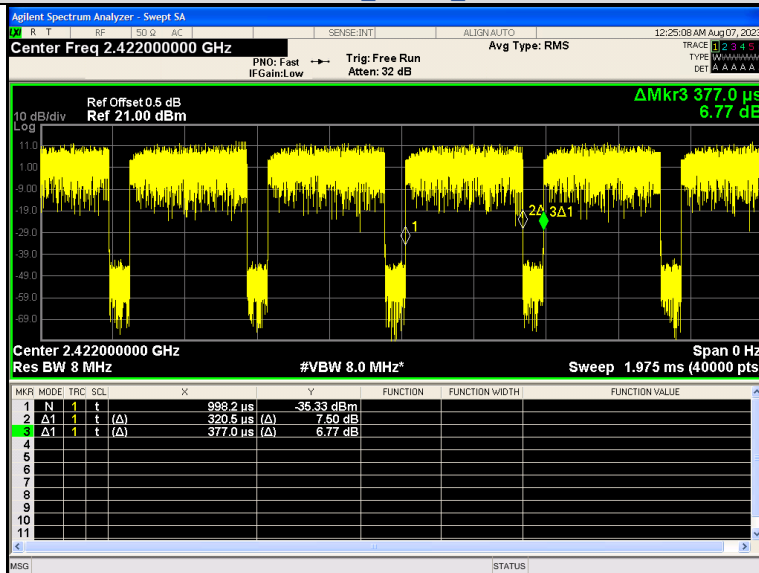
IEEE 802.11ax 20MHz Channel 11



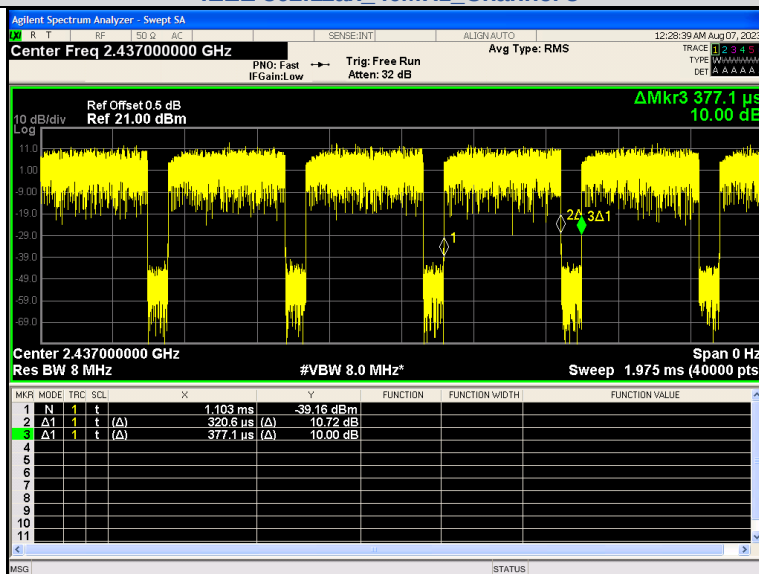
IEEE 802.11ax 20MHz Channel 11



IEEE 802.11ax 40MHz Channel 3



IEEE 802.11ax 40MHz Channel 3



IEEE 802.11ax 40MHz Channel 6

CTC Laboratories, Inc.

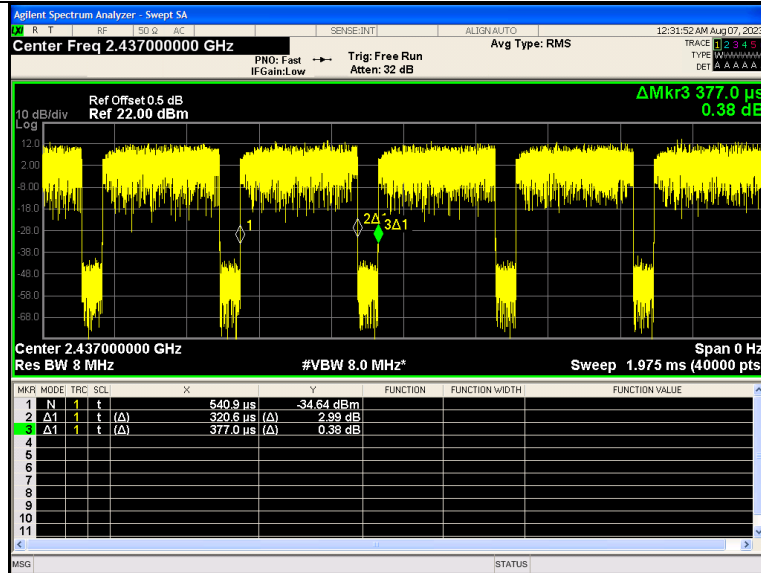
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

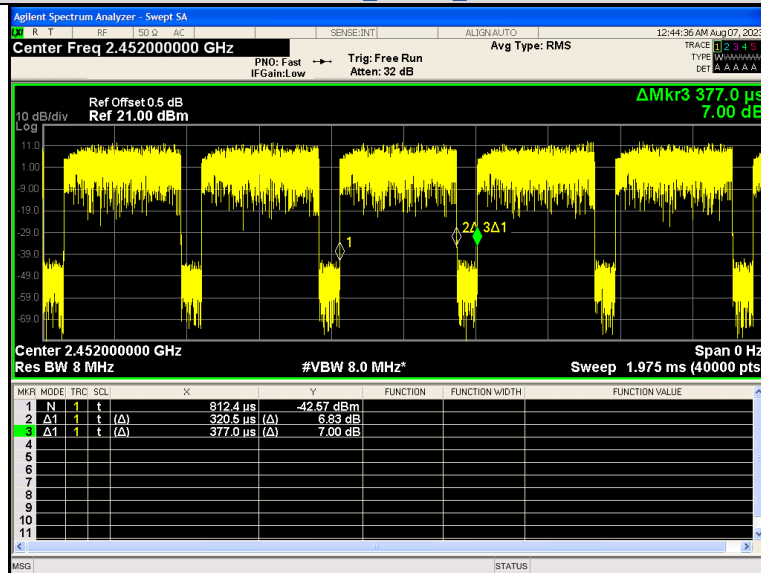
Fax: (86)755-27521011

Http://www.sz-ctc.org.cn

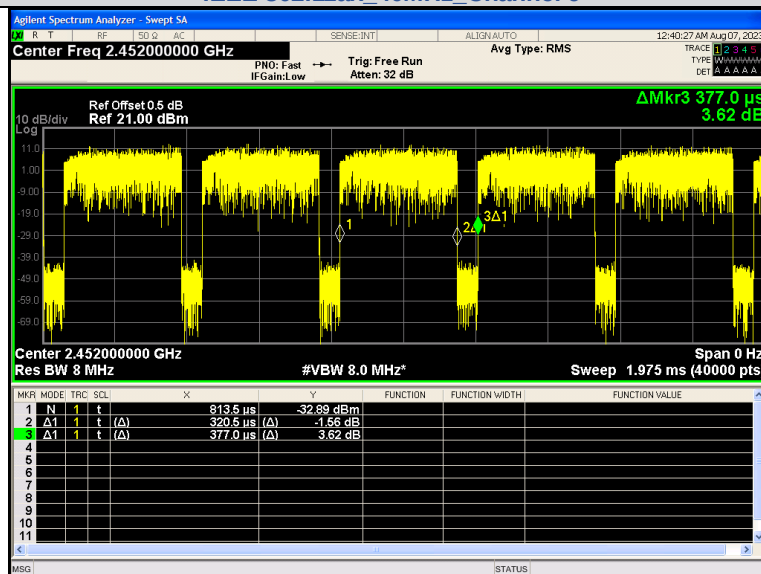
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



IEEE 802.11ax 40MHz Channel 6



IEEE 802.11ax 40MHz Channel 9



IEEE 802.11ax 40MHz Channel 9

CTC Laboratories, Inc.

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

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



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

Complies