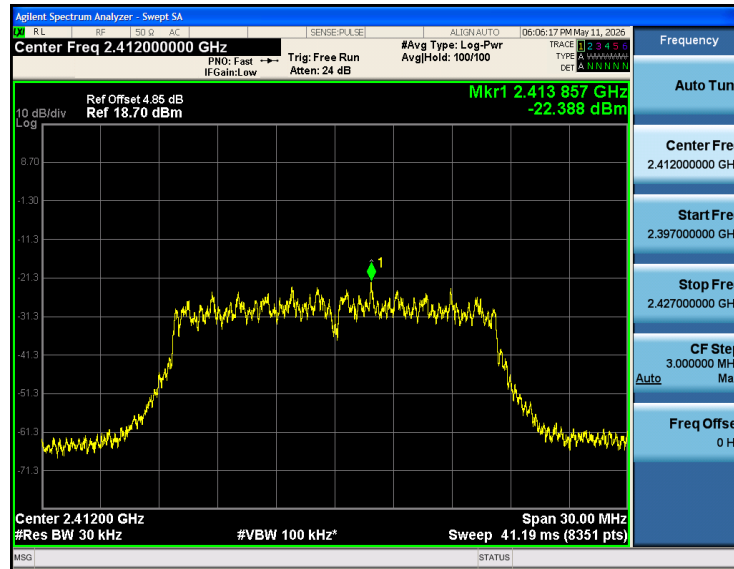
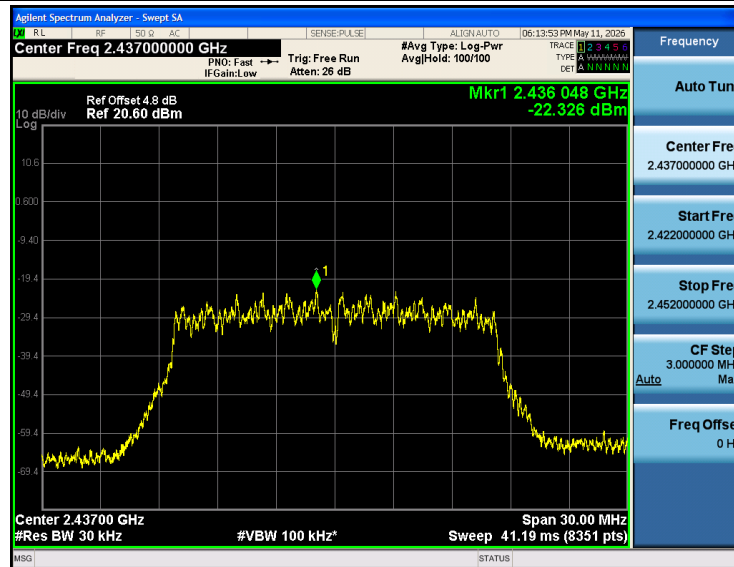
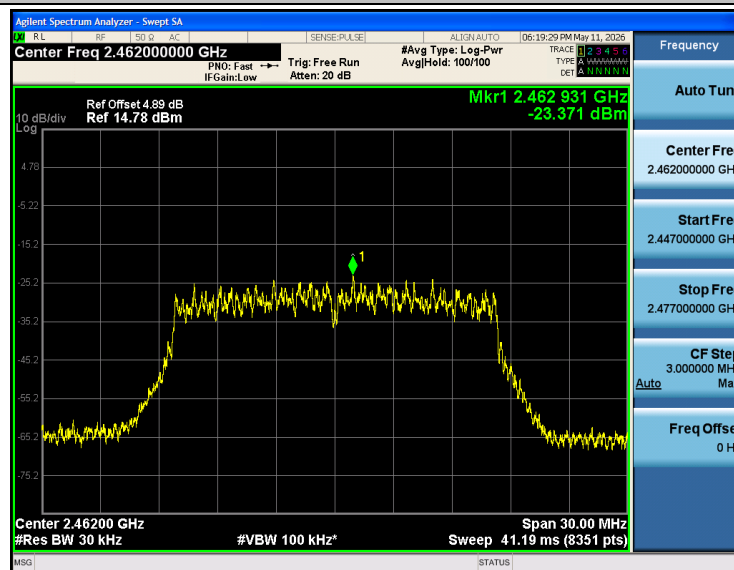




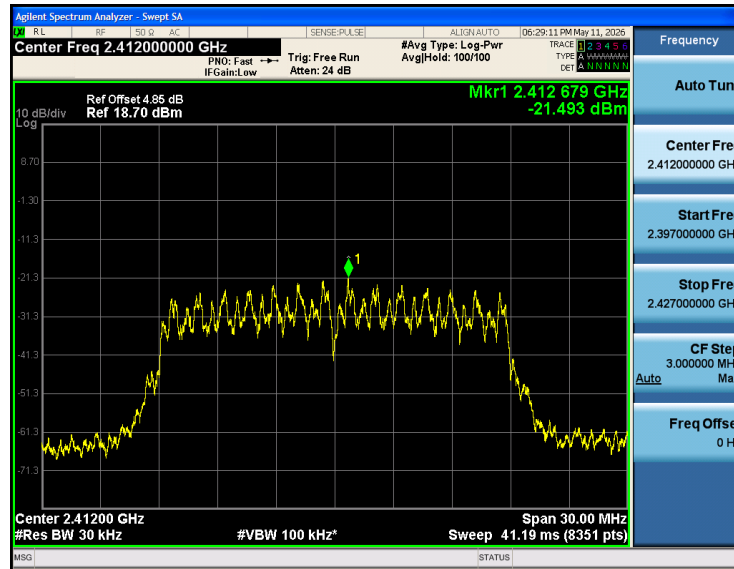
802.11g_2437



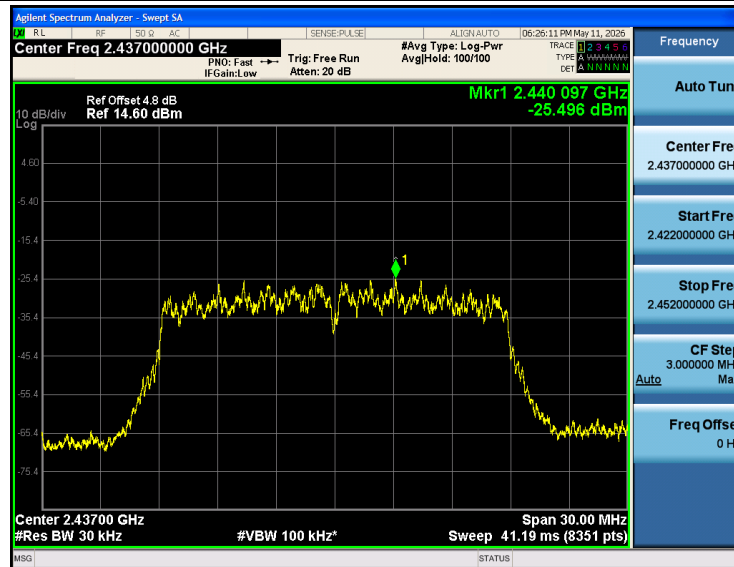
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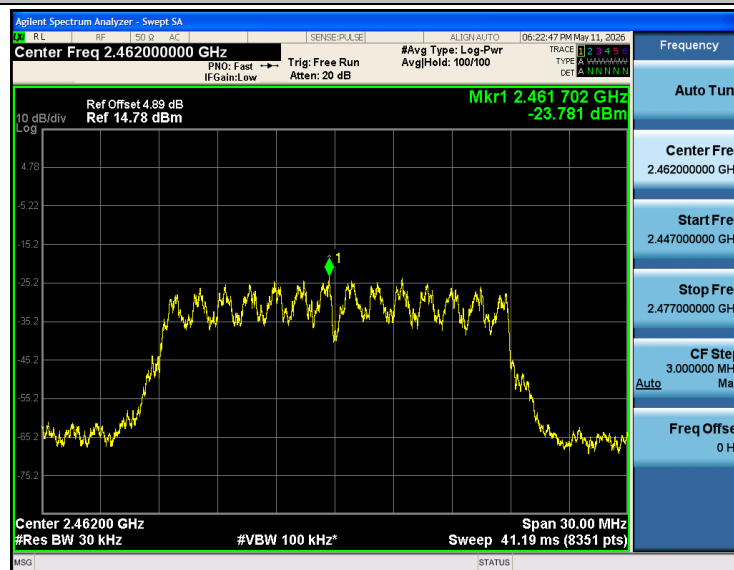
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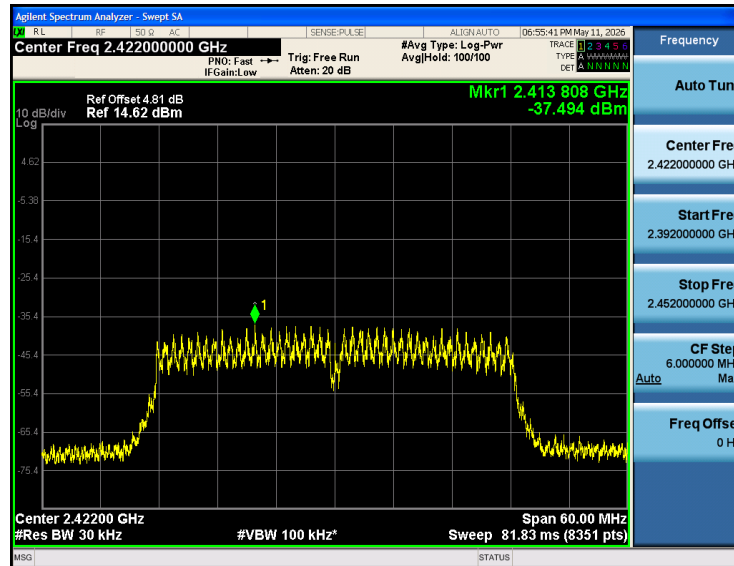
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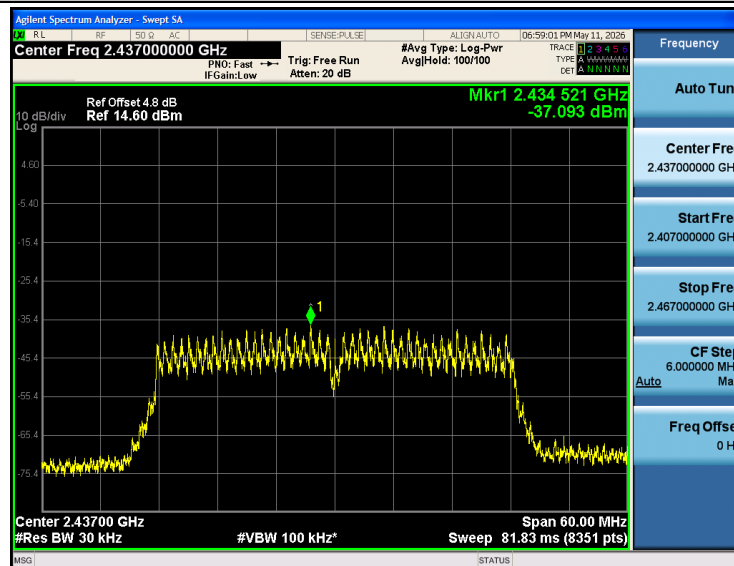
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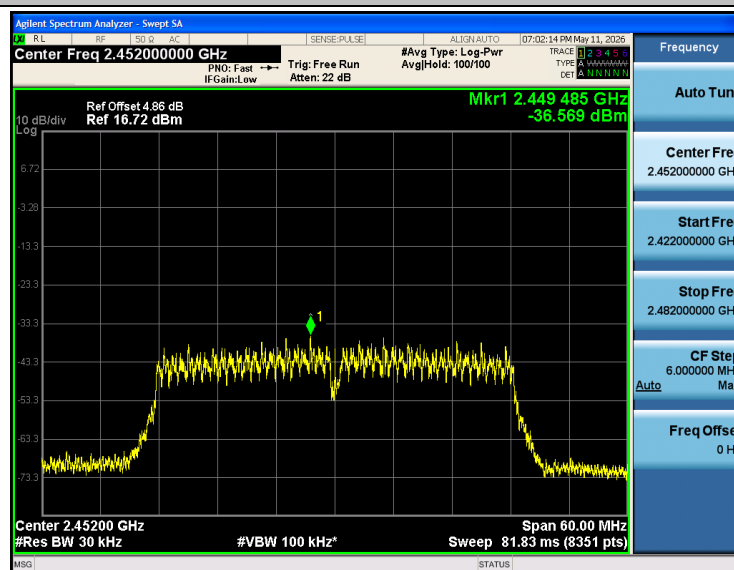
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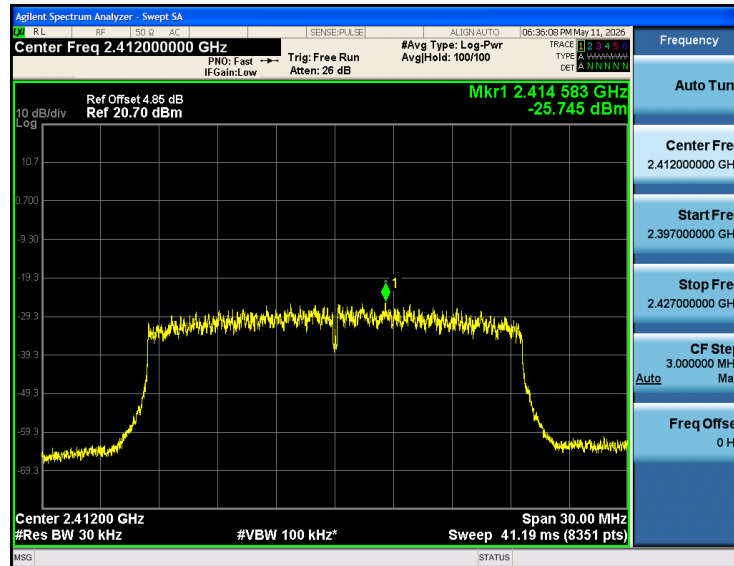
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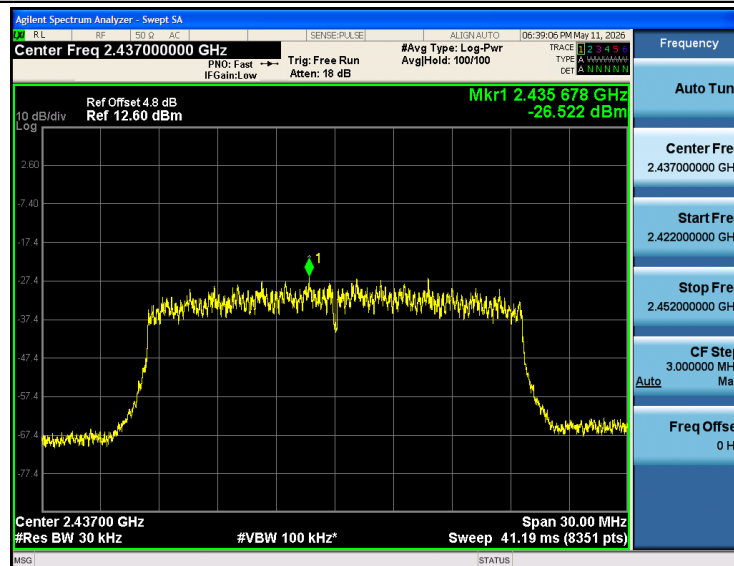
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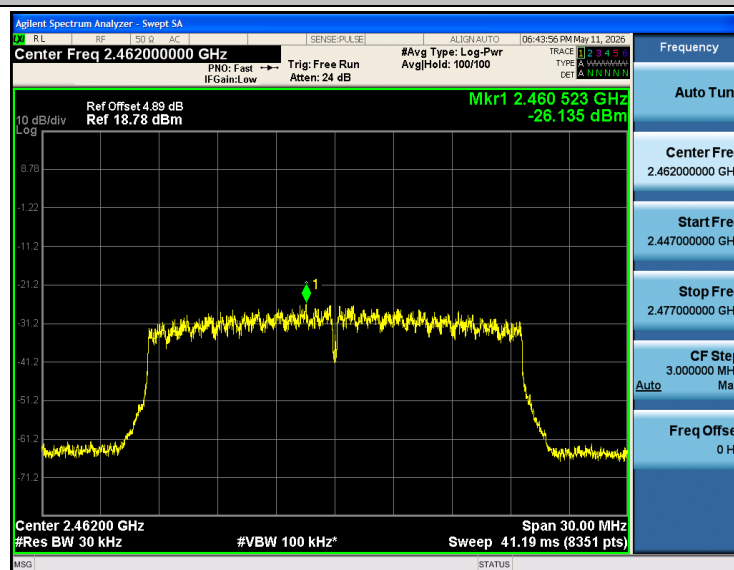
802.11ax(HE20)_2412



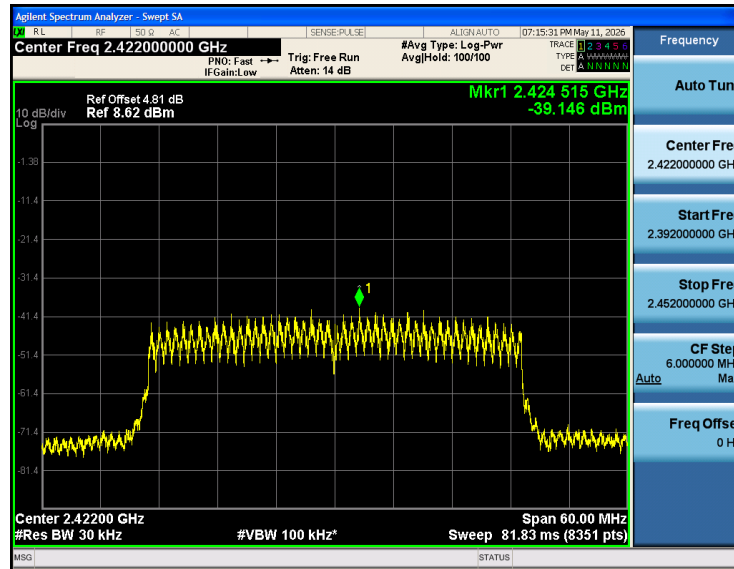
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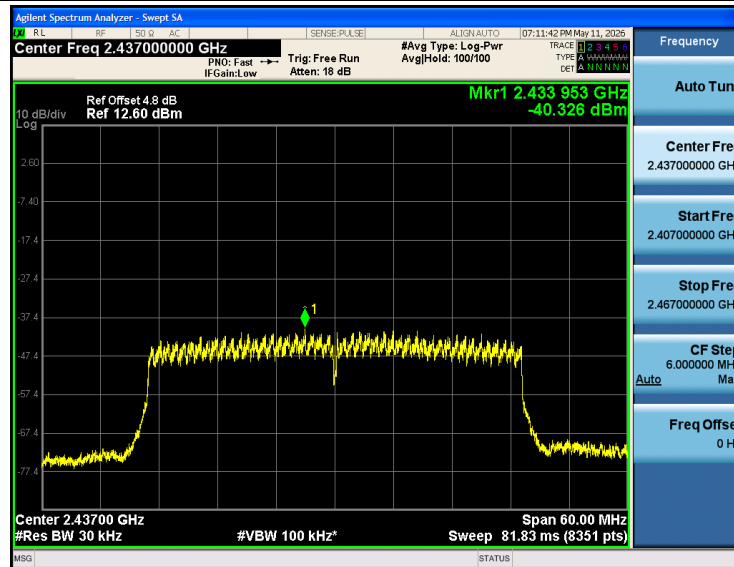
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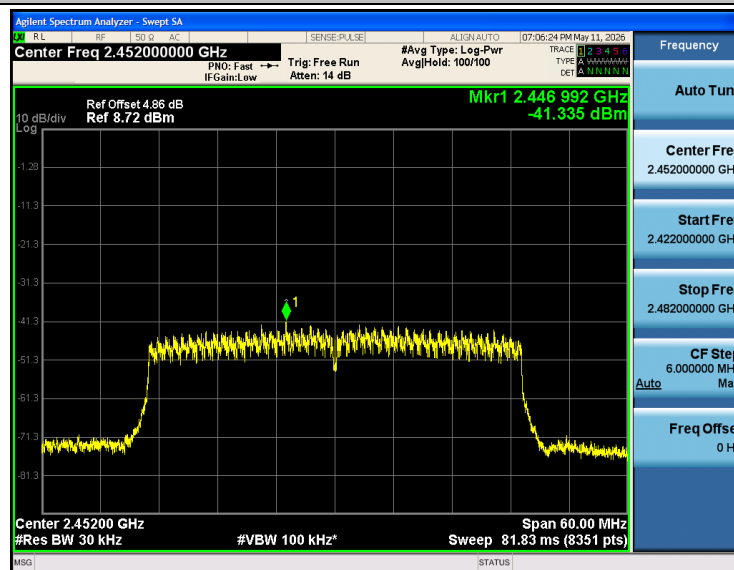
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802.11ax(HE40)_2437



802.11ax(HE40)_2452

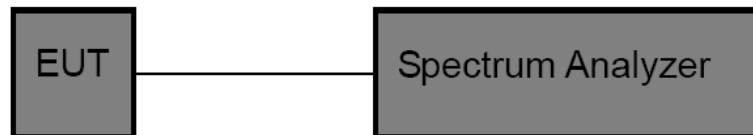


3.8. Duty Cycle

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	8.18	8.70	94.02	0.27	0.12	1
	2437	8.20	8.70	94.25	0.26	0.12	1
	2462	8.18	8.68	94.24	0.26	0.12	1
802.11g	2412	1.36	1.86	73.12	1.36	0.74	1
	2437	1.36	1.86	73.12	1.36	0.74	1
	2462	1.36	1.86	73.12	1.36	0.74	1
802.11n(HT20)	2412	1.26	1.76	71.59	1.45	0.79	1
	2437	1.26	1.76	71.59	1.45	0.79	1
	2462	1.26	1.76	71.59	1.45	0.79	1
802.11n(HT40)	2422	0.62	1.14	54.39	1.61	1.61	2
	2437	0.62	1.12	55.36	1.61	1.61	2
	2452	0.64	1.14	56.14	1.56	1.56	2
802.11ax(HE20)	2412	1.16	1.66	69.88	0.86	0.86	1
	2437	1.18	1.68	70.24	0.85	0.85	1
	2462	1.18	1.68	70.24	0.85	0.85	1
802.11ax(HE40)	2422	0.62	1.12	55.36	1.61	1.61	2
	2437	0.62	1.12	55.36	1.61	1.61	2
	2452	0.60	1.10	54.55	1.67	1.67	2

Note: Duty Cycle Factor = $10 \cdot \log_{10}(1 / \text{Duty Cycle})$

[illegible]

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.437000000 GHz

Ref Offset 4.8 dB
Ref 34.80 dBm

Trig: Free Run
Atten: 40 dB

#Avg Type: Log-Pwr

Mkr3 12.34 ms
21.45 dBm

Center 2.437000000 GHz
Res BW 8 MHz
Span 0 Hz
#VBW 8.0 MHz
Sweep 20.00 ms (1001 pts)

Auto

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.640 ms	9.21 dBm			
2	N	1	t	11.84 ms	21.45 dBm			
3	N	1	t	12.34 ms	21.45 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.437000000 GHz

Start Freq
2.437000000 GHz

Stop Freq
2.437000000 GHz

CF Step
8.000000 MHz

Auto

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

Center Freq: 2.462000000 GHz
 Span: 8 MHz
 Res BW: 8 MHz
 #VBW: 8.0 MHz
 Sweep: 20.00 ms (1001 pts)

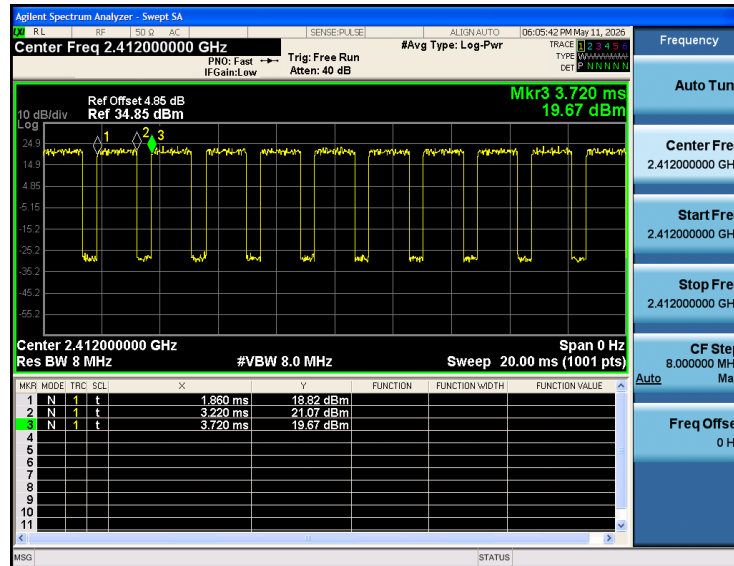
Trig: Free Run
 Atten: 40 dB

PNO: Fast
 IF Gain: Low

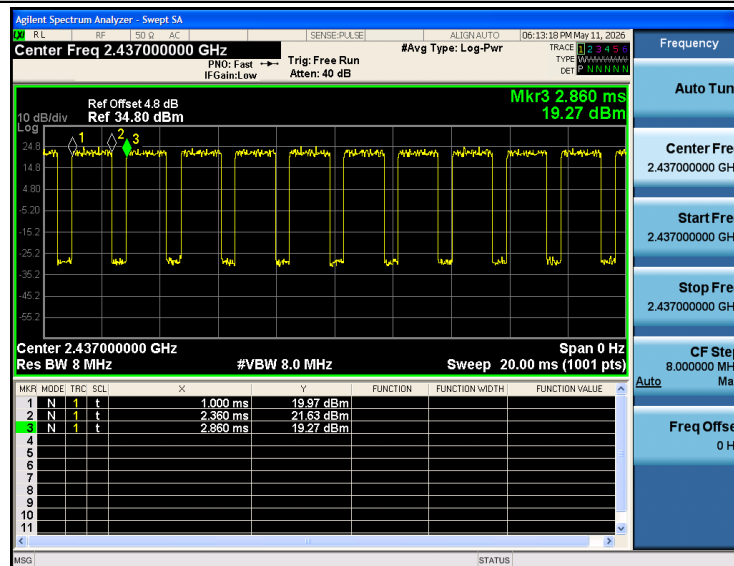
Mkr3 10.98 ms
 21.16 dBm

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	2.300 ms	21.90 dBm			
2	N	1	t	10.48 ms	21.85 dBm			
3	N	1	t	10.98 ms	21.16 dBm			

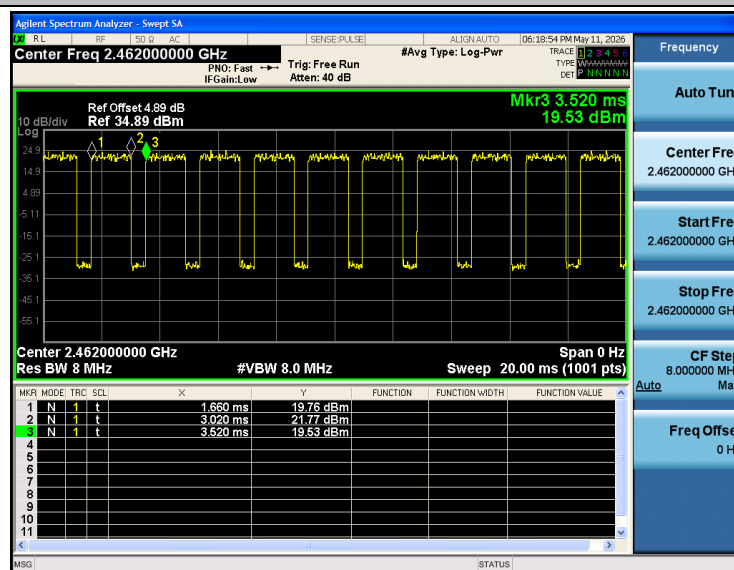
Shenzhen Huaxin Information Technology Service Co., Ltd
101, R & D Building, No.3 guansheng 4th Road, Luhu Community, Guanhu Street, Longhua District, Shenzhen, Guangdong, China
Tel.: +86-755-21018313 Http: //www.tecovo.net



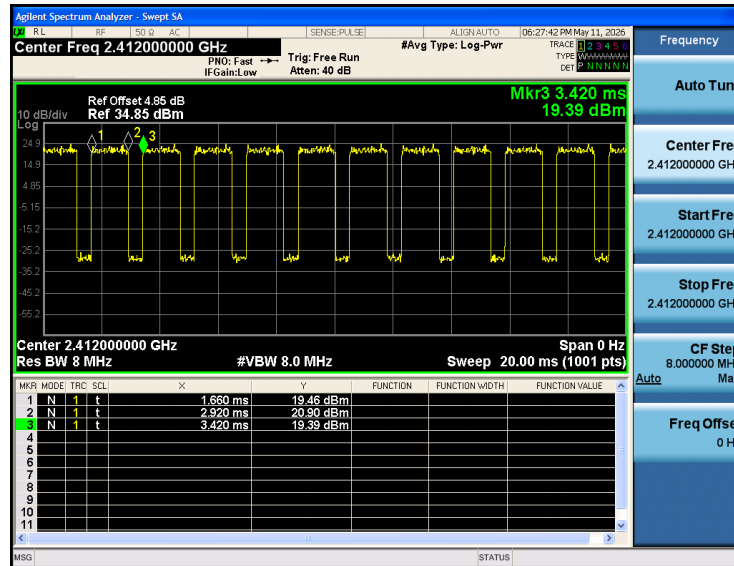
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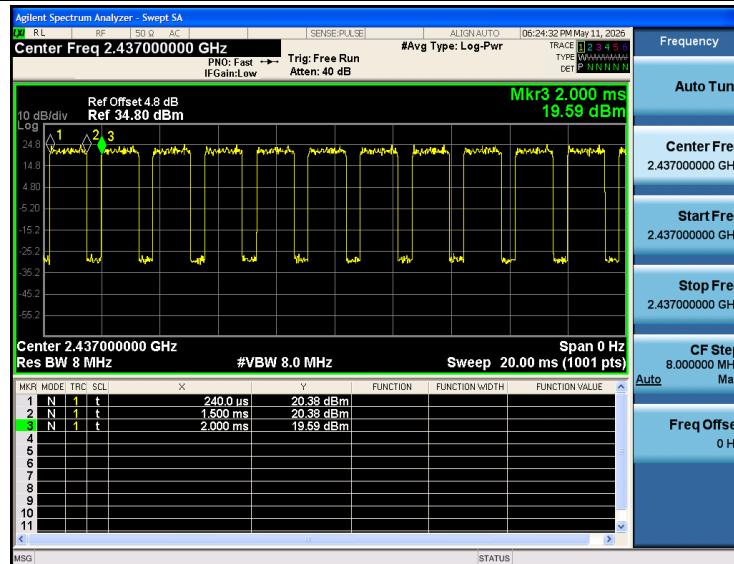
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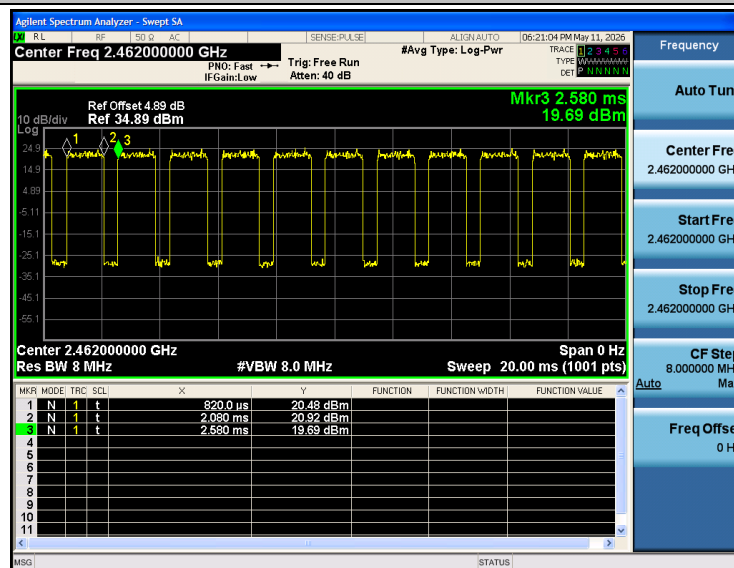
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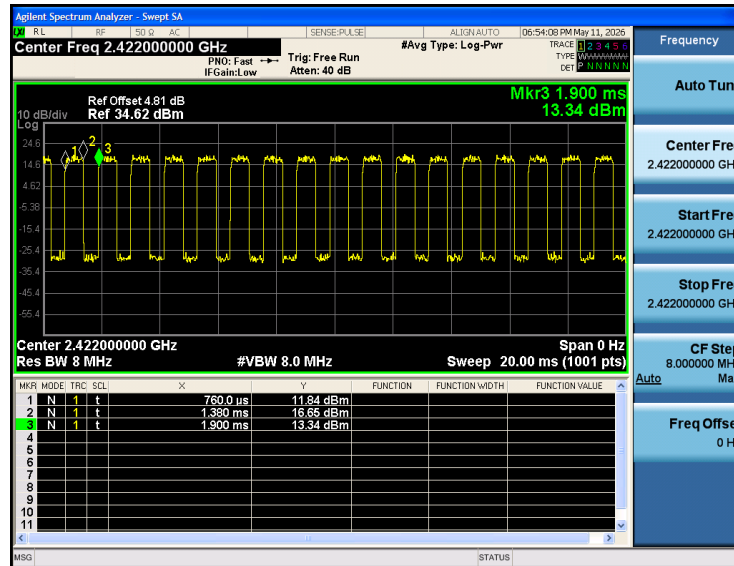
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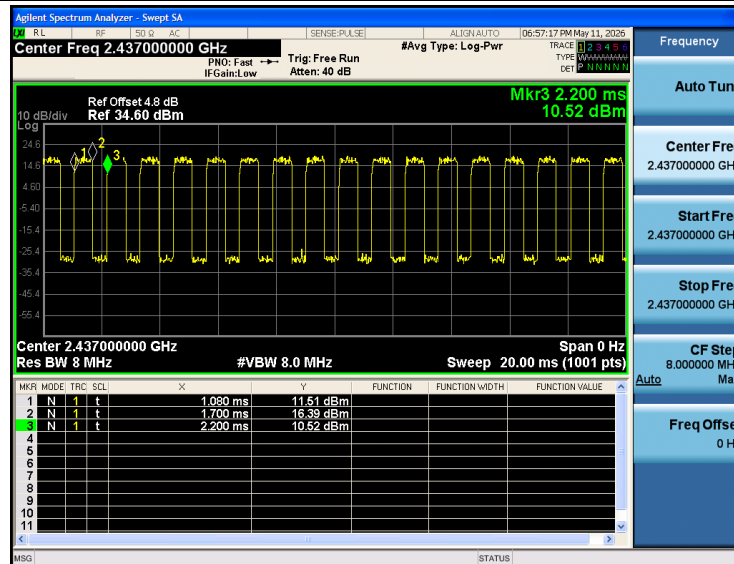
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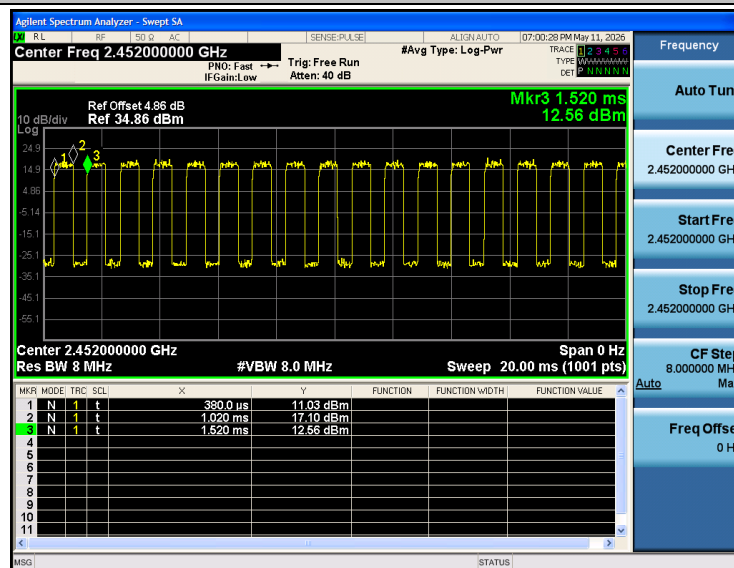
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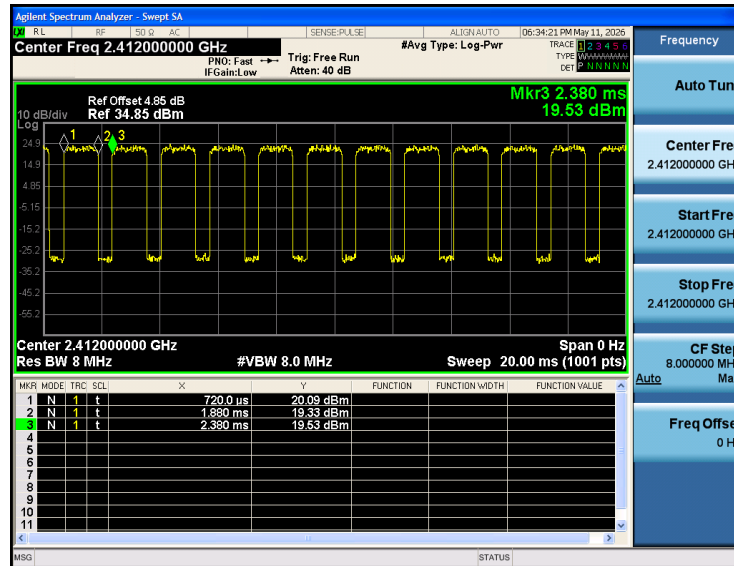
802.11n(HT40)_2437



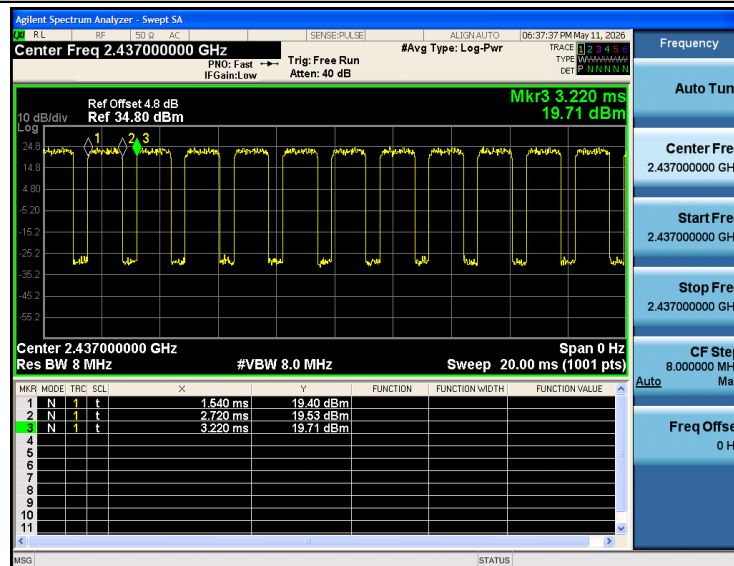
802.11n(HT40)_2452



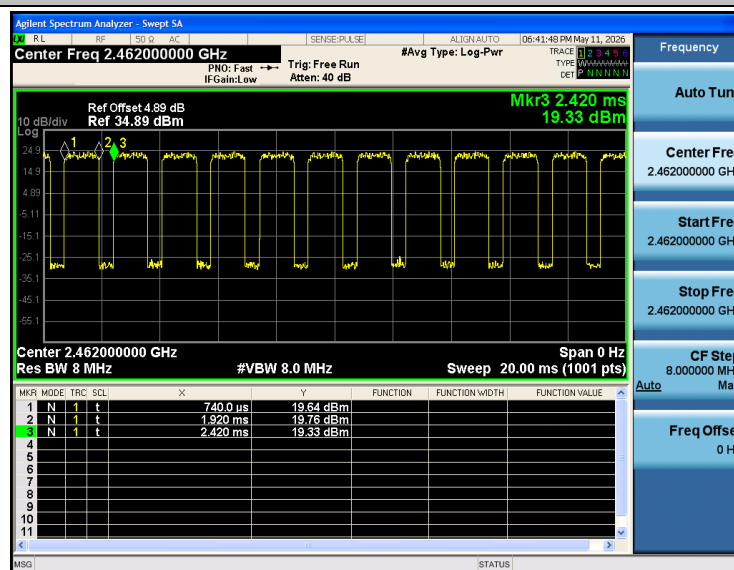
802.11ax(HE20)_2412



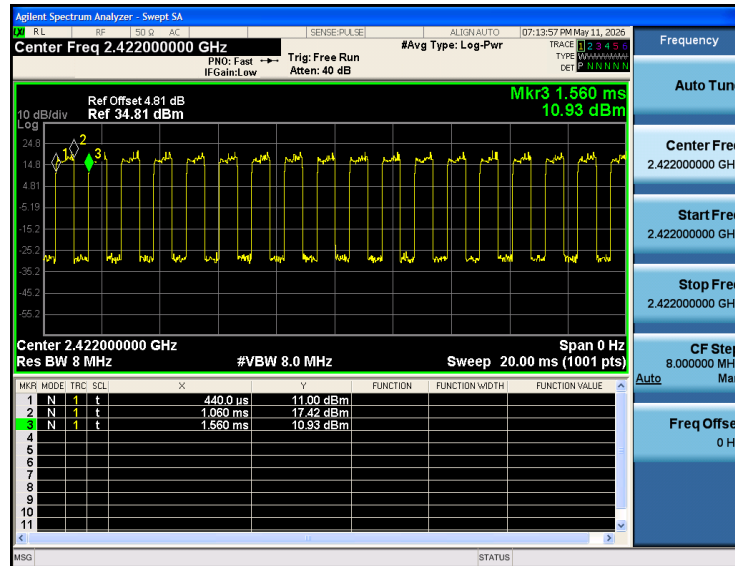
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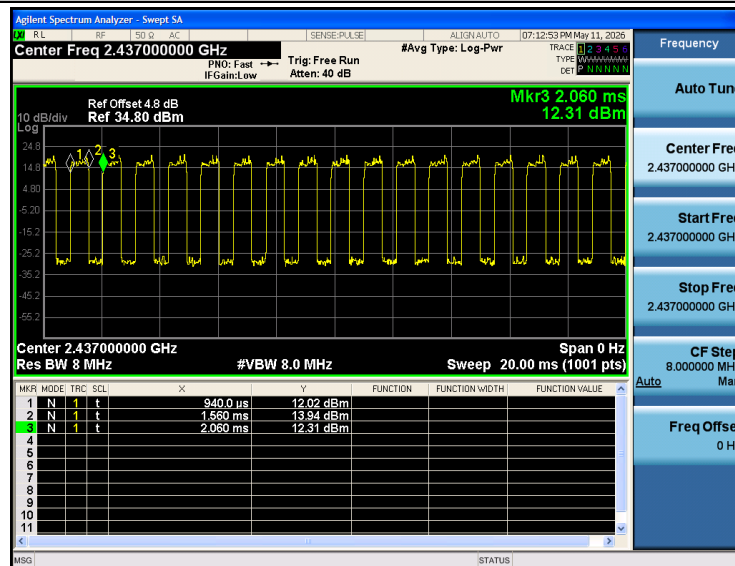
802.11ax(HE20)_2462



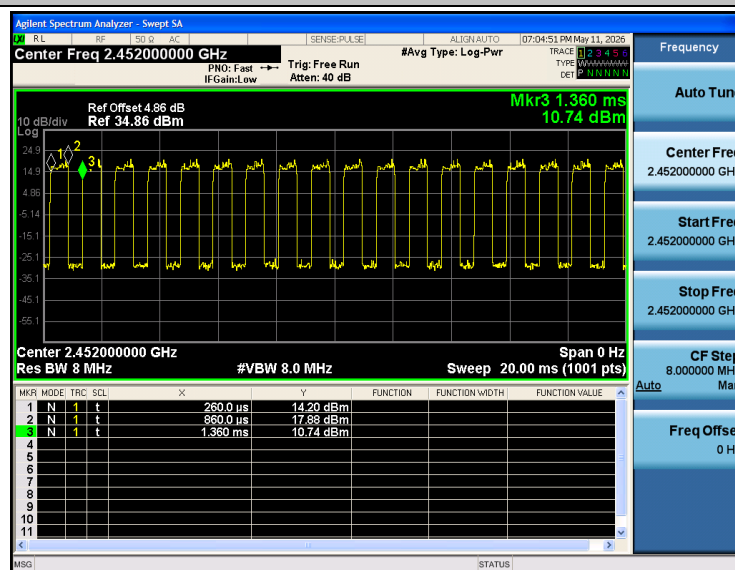
802.11ax(HE40)_2422



802.11ax(HE40)_2437



802.11ax(HE40)_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*****