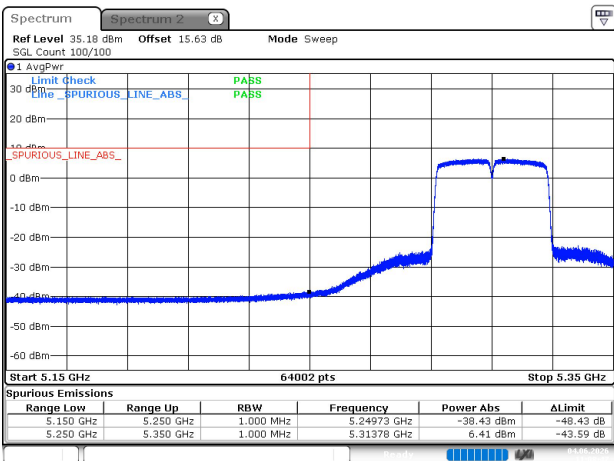
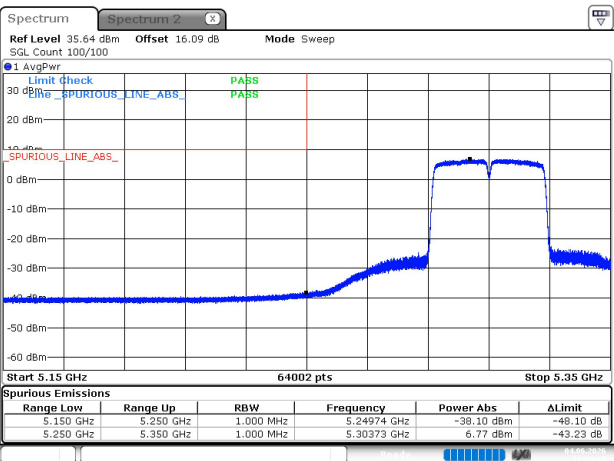


802.11ac40_5310 MHz

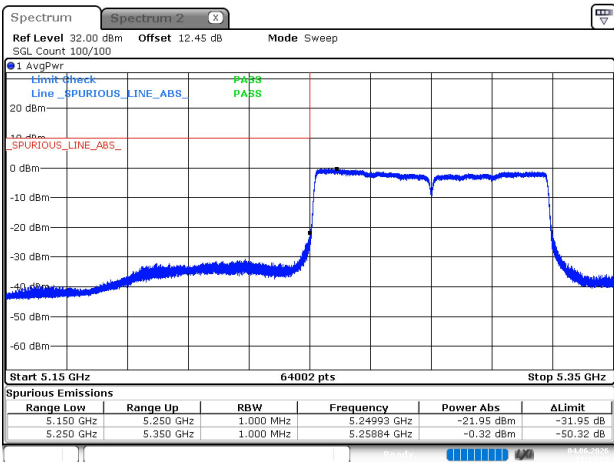


ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 4.JUN.2026 11:08:47

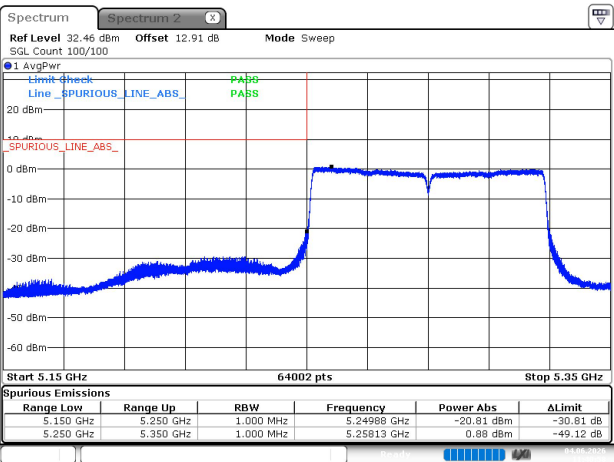


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Date: 4.JUN.2026 11:28:57

802.11ac80_5290 MHz

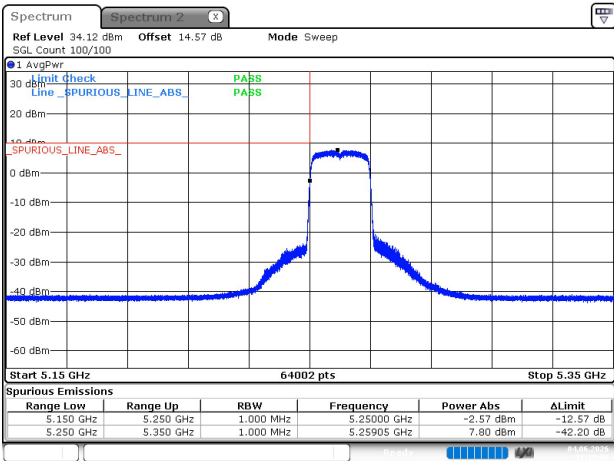


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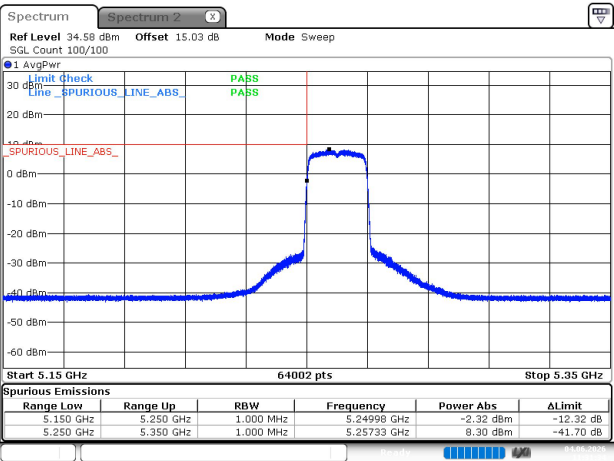


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Date: 4.JUN.2026 11:40:58

802.11ax20_5260 MHz

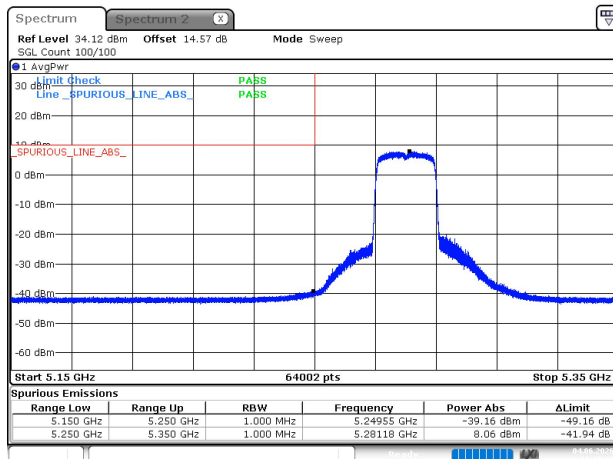


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Date: 4.JUN.2026 11:15:00

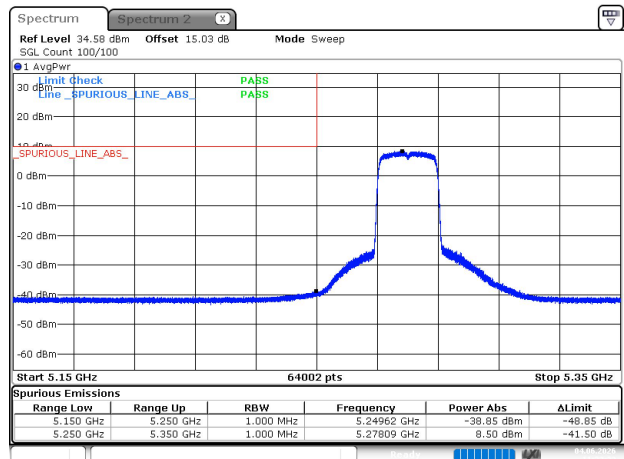


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Date: 4.JUN.2026 11:31:34

802.11ax20_5280 MHz

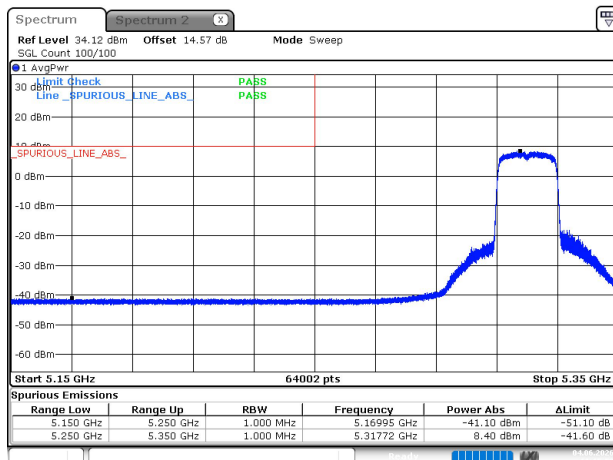


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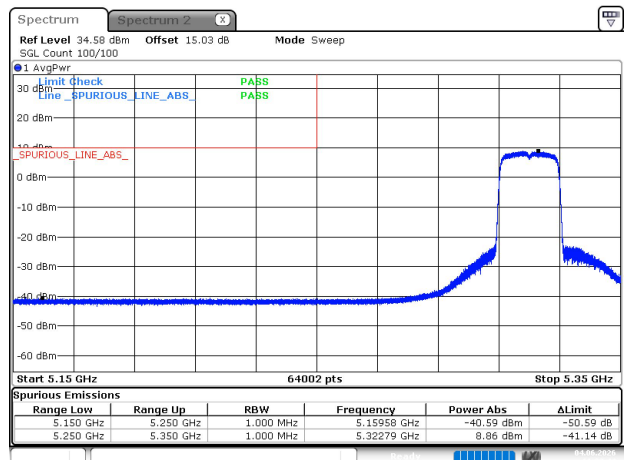


ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 4.JUN.2026 11:32:23

802.11ax20_5320 MHz

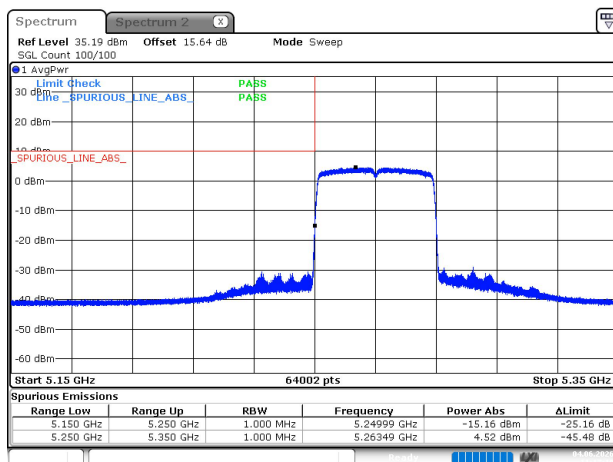


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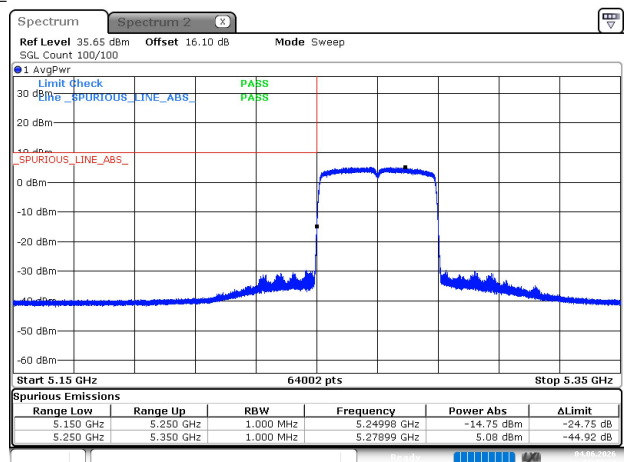


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Date: 4.JUN.2026 11:32:44

802.11ax40_5270 MHz

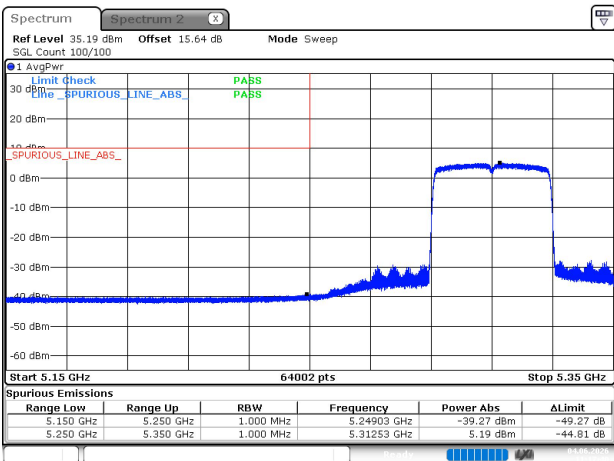


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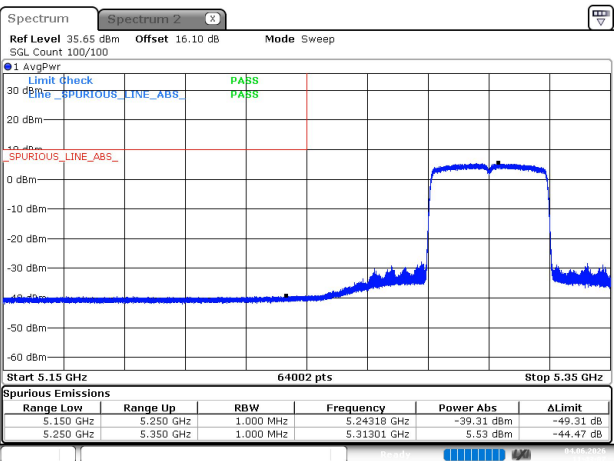


ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 4.JUN.2026 11:42:23

802.11ax40_5310 MHz

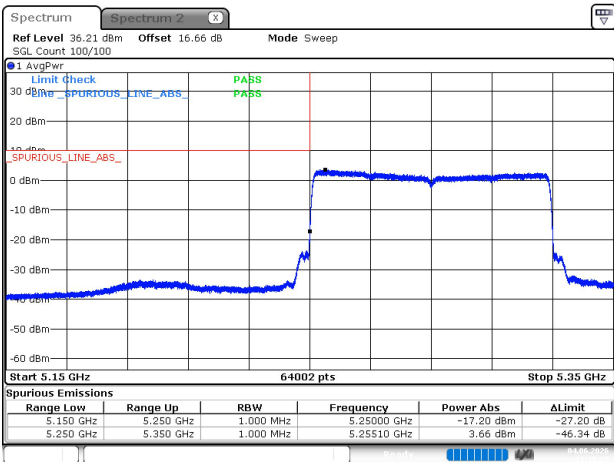


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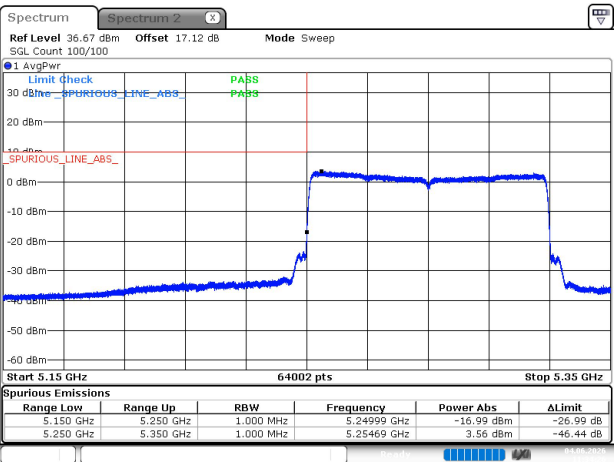


ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 4.JUN.2026 11:43:07

802.11ax80_5290 MHz



ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 4.JUN.2026 11:18:27



ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 4.JUN.2026 11:34:26

Duty Cycle**Test Information:**

Sample No.:	3FAN-2	Test Date:	2026/02/11-2026/03/27
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cheeb Huang	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	21.6-22.4	Relative Humidity: (%)	44-49	ATM Pressure: (kPa)	100.6-101.5
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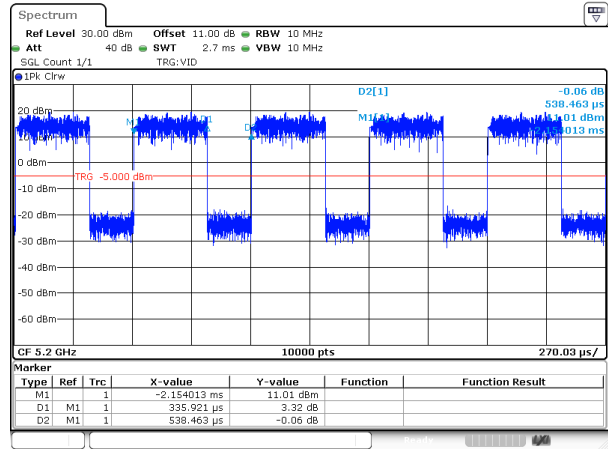
Test Data:**5150-5250MHz**

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	0.336	0.538	62.45	2.04	2976	3
802.11n20	5200	0.295	0.308	95.78	0.19	3390	5
802.11n40	5190	0.162	0.175	92.57	0.34	6173	10
802.11ac20	5200	0.291	0.487	59.75	2.24	3436	5
802.11ac40	5190	0.166	0.368	45.11	3.46	6024	10
802.11ac80	5210	0.105	0.112	93.75	0.28	9524	10
802.11ax20_RU_Full	5200	0.274	0.476	57.56	2.40	3650	5
802.11ax40_RU_Full	5190	0.165	0.367	44.96	3.47	6061	10
802.11ax80_RU_Full	5210	0.112	0.315	35.56	4.49	8929	10

Duty Cycle = Ton/(Ton+Toff)*100%

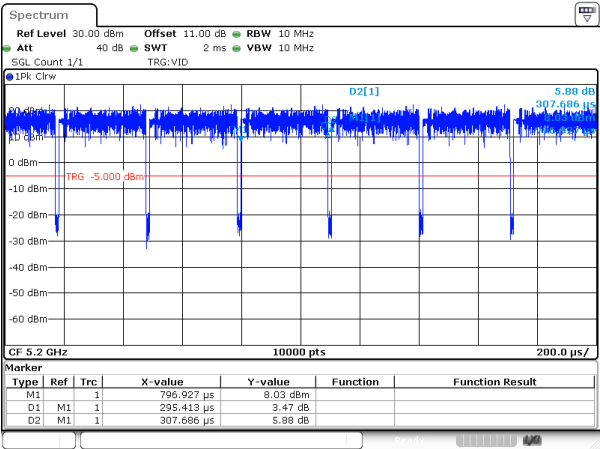
5150-5250MHz

802.11a_5200MHz



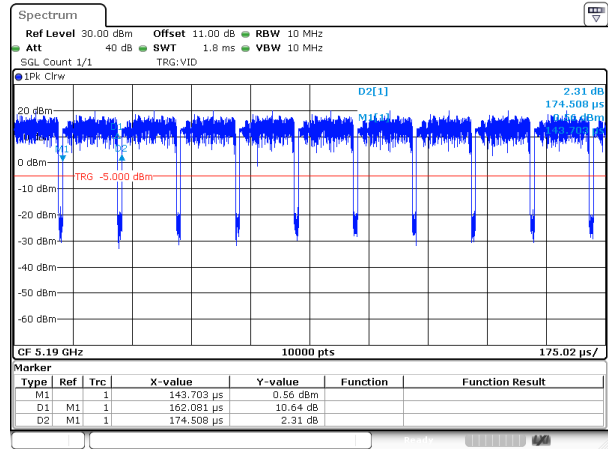
ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 11.FEB.2026 13:57:38

802.11n20_5200MHz



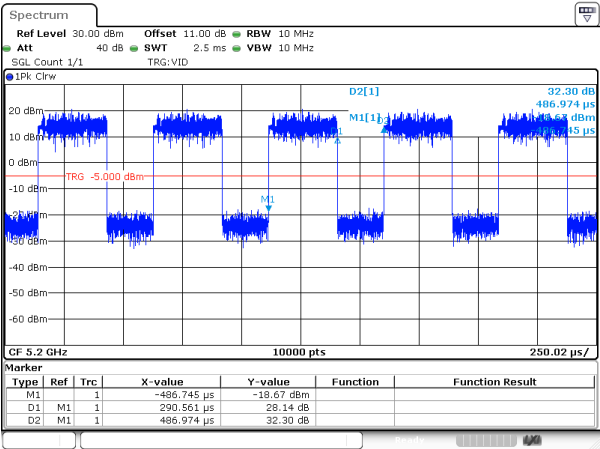
ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 27.MAR.2026 14:06:11

802.11n40_5190MHz



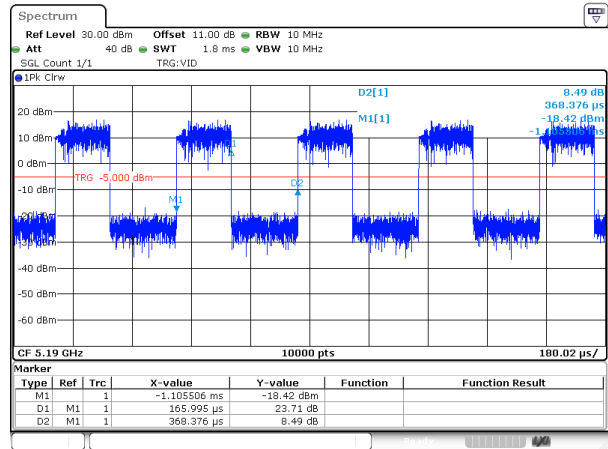
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Date: 27.MAR.2026 14:07:32

802.11ac20_5200MHz



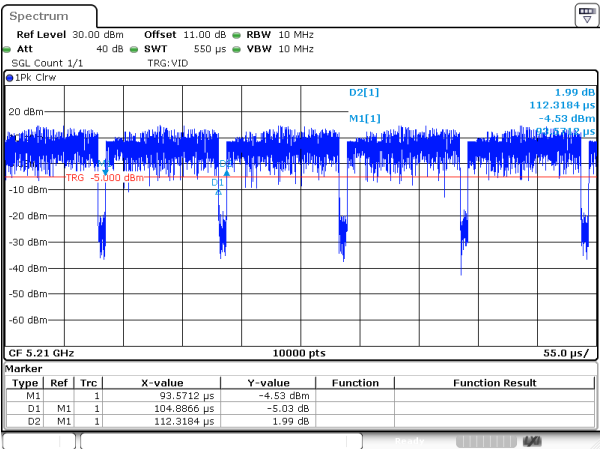
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Date: 11.FEB.2026 14:24:55

802.11ac40_5190MHz



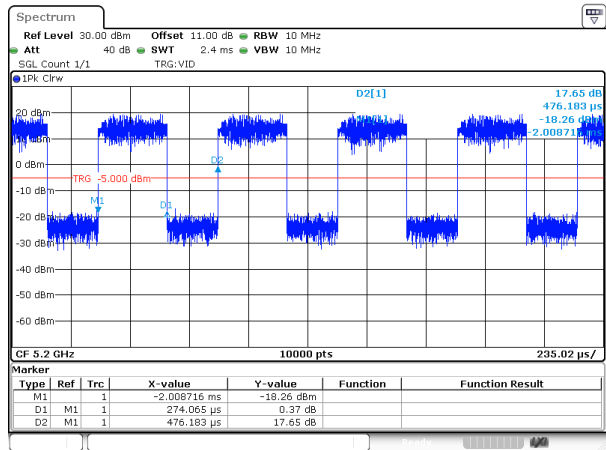
ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 11.FEB.2026 14:26:15

802.11ac80_5210MHz



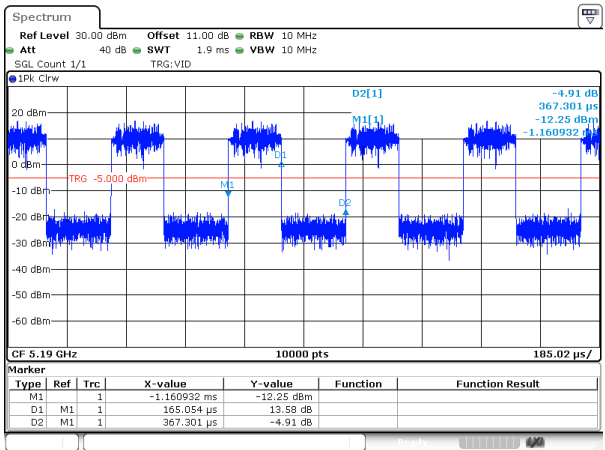
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Date: 27.MAR.2026 16:09:06

802.11ax20_5200MHz_RU_Full



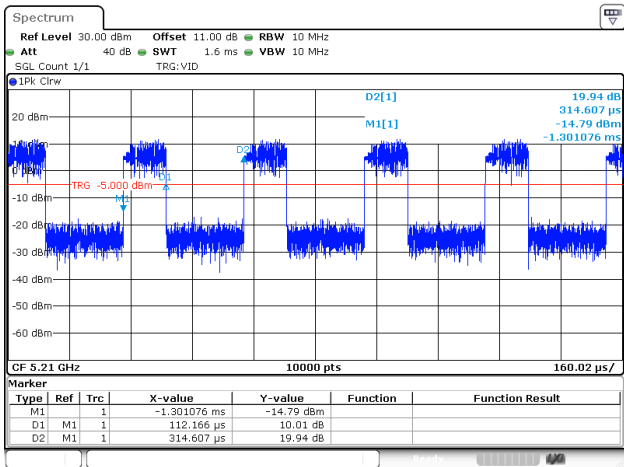
ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 11.FEB.2026 14:21:04

802.11ax40_5190MHz_RU_Full



ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 11.FEB.2026 14:22:21

802.11ax80_5210MHz_RU_Full



ProjectNo.:2501A25853E-RFA1 Tester:Cheeb Huang
Date: 11.FEB.2026 14:23:30

RF EXPOSURE EVALUATION

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

According to subpart 15.247(i) and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Result

Calculation formula:

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculated Data:

For worst case:

Mode	Frequency (MHz)	Antenna Gain [#]		Max Tune-up Power [#]		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
5G Wi-Fi	5150-5250	2.40	1.74	21	125.89	20	0.043	1.0
	5250-5350	2.38	1.73	22	158.49	20	0.0546	1.0
	5470-5725	2.53	1.79	21.5	141.25	20	0.0503	1.0
	5725-5850	1.95	1.57	22	158.49	20	0.0495	1.0

Note:

1. The tune-up power and antenna gain was declared by the applicant.
2. BT&WLAN 2.4G, BT & WLAN 5G, WLAN 2.4G & WLAN 5G can't transmit simultaneous (declared by client)

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

FIELD REFERENCE LEVEL EXPOSURE EXEMPTION LIMITS

Applicable Standard

According to RSS-102 Issue 6§6.6:

Field reference level (FRL) exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm (i.e. mobile devices), except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 1 W (adjusted for tune-up tolerance)
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance)
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz
- at or above 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 5 W (adjusted for tune-up tolerance) In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the EIRP was derived.

Test Result:

Mode	Frequency	Gain [#]	Max tune-up conducted power [#]	Max tune-up EIRP [#]	Distance	Exemption Limit	SAR Evaluation Exemption
	(MHz)	(dBi)	(dBm)	(mW)	(cm)	(mW)	
5G Wi-Fi	5180-5240	2.40	21	218.78	20	4525	Yes
	5260-5320	2.38	22	274.16	20	4573	Yes
	5500-5700	2.53	21.5	252.93	20	4714	Yes
	5745-5825	1.95	22	248.31	20	4857	Yes

Note1: The maximum antenna gain was added into the EIRP.

Note2: The antenna gain and Conducted output power including Tune-up Tolerance was declared and provided by the manufacturer.

Note3: BT&WLAN 2.4G, BT & WLAN 5G, WLAN 2.4G & WLAN 5G can't transmit simultaneous (declared by client)

Result: Compliant

EUT PHOTOGRAPHS

Please refer to the attachment 2501A25853E-RFA1-EXP External photo and 2501A25853E-RFA1-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501A25853E-RFA1-TSPC Test Setup photo.

***** **END OF REPORT** *****