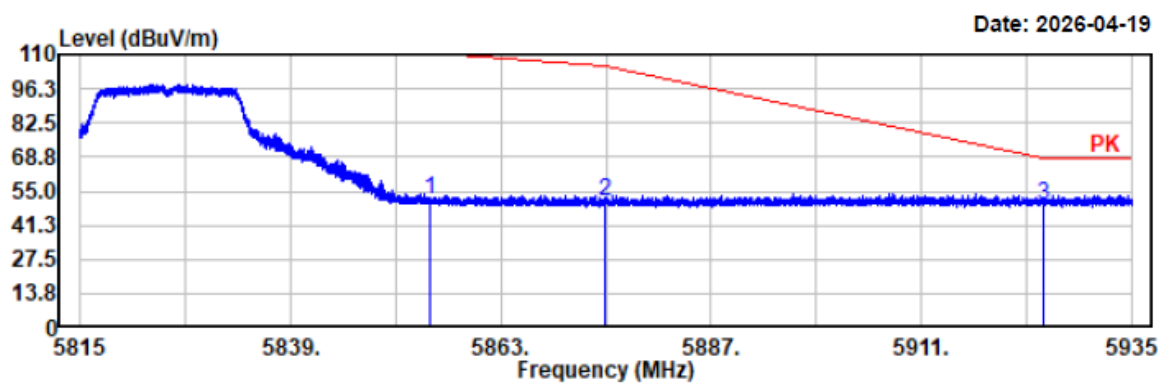


Project No.: 2607P42218E-RF
Test Mode: 802.11n20 5825MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.8°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

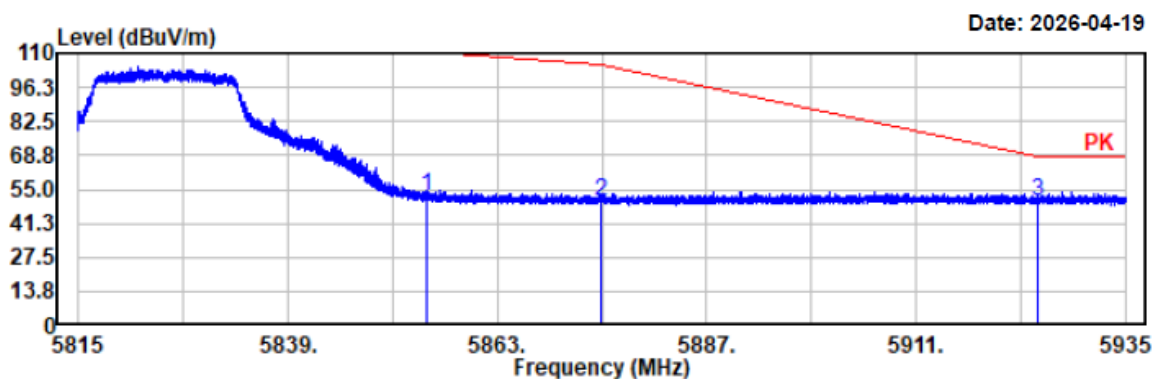


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	45.21	6.21	51.42	110.80	59.38	horizontal	Peak
5875.00	44.44	6.23	50.67	105.20	54.53	horizontal	Peak
5925.00	43.16	6.30	49.46	68.20	18.74	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n20 5825MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.8°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

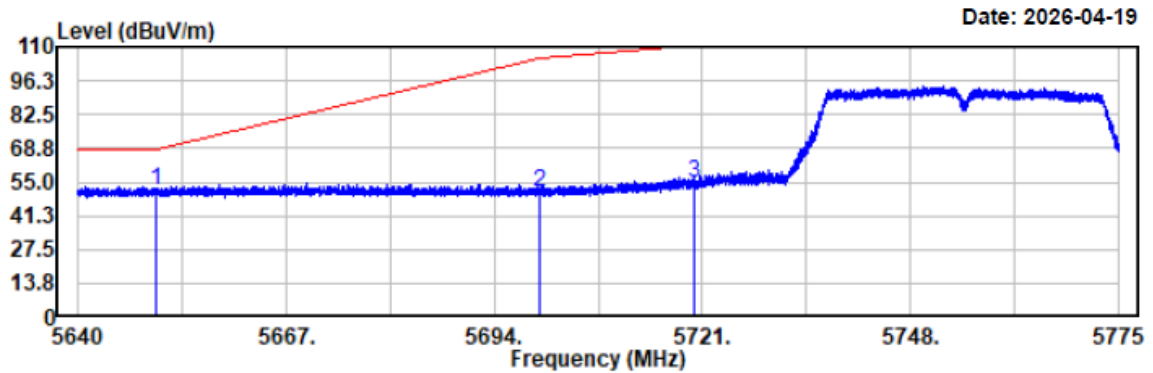


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	45.99	6.21	52.20	110.81	58.61	vertical	Peak
5875.00	44.12	6.23	50.35	105.20	54.85	vertical	Peak
5925.00	43.89	6.30	50.19	68.20	18.01	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 5755MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.8°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

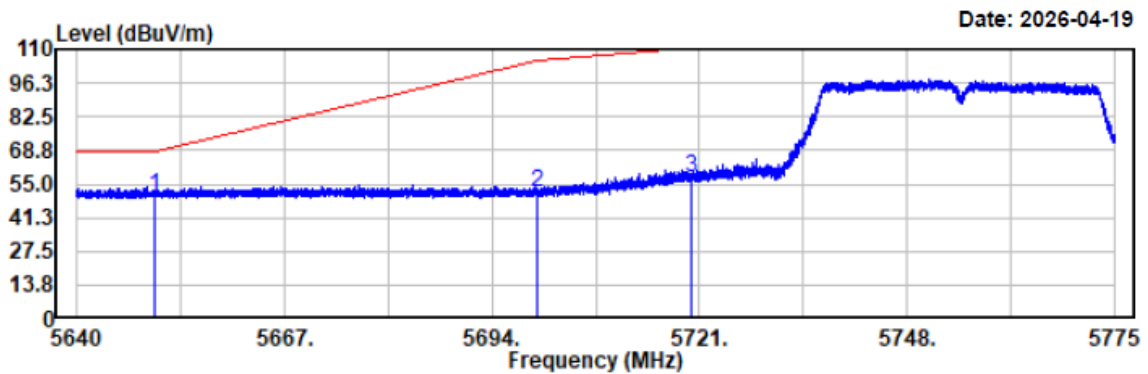


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.00	45.57	5.91	51.48	68.20	16.72	horizontal	Peak
5700.00	44.59	6.04	50.63	105.20	54.57	horizontal	Peak
5720.00	48.39	6.05	54.44	110.80	56.36	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 5755MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.8°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

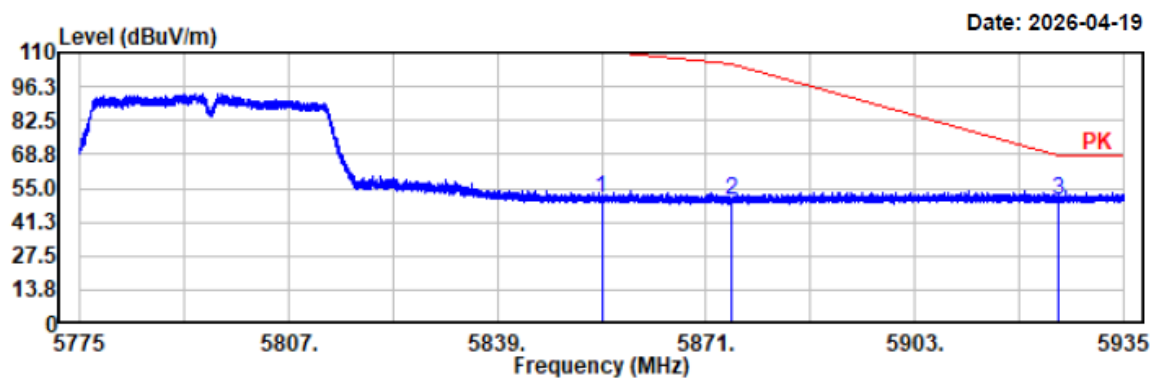


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.01	44.43	5.91	50.34	68.20	17.86	vertical	Peak
5700.00	45.89	6.04	51.93	105.20	53.27	vertical	Peak
5720.00	51.60	6.05	57.65	110.80	53.15	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 5795MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.8°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

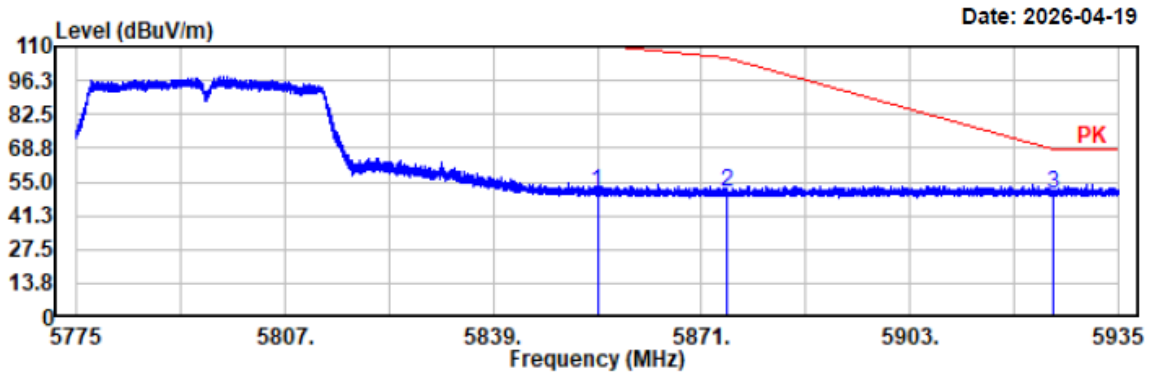


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	44.86	6.21	51.07	110.80	59.73	horizontal	Peak
5875.00	43.90	6.23	50.13	105.20	55.07	horizontal	Peak
5925.00	43.99	6.30	50.29	68.20	17.91	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11n40 5795MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.8°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

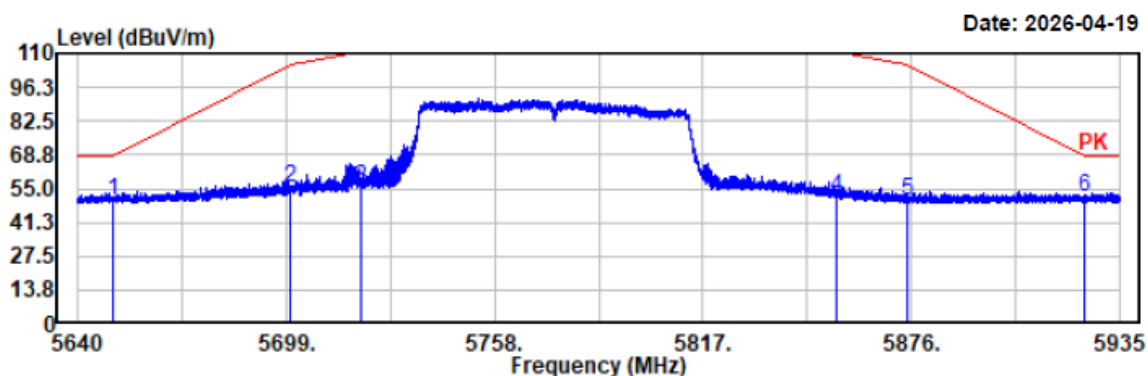


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5855.00	44.63	6.21	50.84	110.80	59.96	vertical	Peak
5875.00	44.25	6.23	50.48	105.20	54.72	vertical	Peak
5925.00	43.53	6.30	49.83	68.20	18.37	vertical	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11ac80 5775MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.8°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz

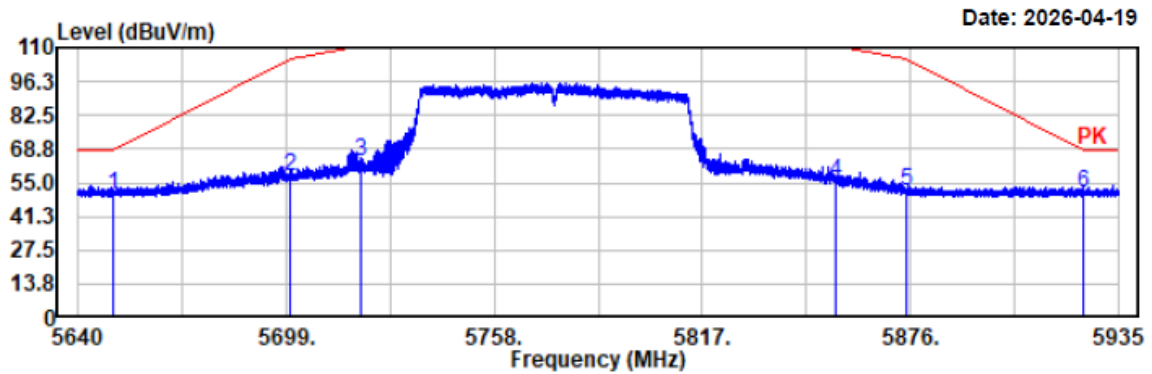


Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.01	44.13	5.91	50.04	68.20	18.16	horizontal	Peak
5700.00	49.16	6.04	55.20	105.20	50.00	horizontal	Peak
5720.00	49.50	6.05	55.55	110.80	55.25	horizontal	Peak
5855.00	45.46	6.21	51.67	110.81	59.14	horizontal	Peak
5875.00	43.51	6.23	49.74	105.20	55.46	horizontal	Peak
5925.00	45.35	6.30	51.65	68.20	16.55	horizontal	Peak

Project No.: 2607P42218E-RF
Test Mode: 802.11ac80 5775MHz
EUT Model: AXIUM DX8
Test distance: 3m

Temp/Humi/ATM: 23.8°C/58%/100.1kPa
Tested by: Wlif Wu
Power Source: AC 120V/60Hz



Condition: PK RBW:1MHz VBW:3MHz SWT:auto

Freq MHz	Reading dBuV	Factor dB/m	Result dBuV/m	Limit dBuV/m	Margin dB	Polarity	Remark
5650.01	44.34	5.91	50.25	68.20	17.95	vertical	Peak
5700.00	51.86	6.04	57.90	105.20	47.30	vertical	Peak
5720.00	57.88	6.05	63.93	110.81	46.88	vertical	Peak
5855.00	49.25	6.21	55.46	110.80	55.34	vertical	Peak
5875.00	45.34	6.23	51.57	105.20	53.63	vertical	Peak
5925.00	44.33	6.30	50.63	68.20	17.57	vertical	Peak

RSS-247 ISSUE 4 Clause 7.3.1.3–26 dB ATTENUATED BELOW THE CHANNEL POWER

Applicable Standard

RSS-247 Clause 7.3.1.3

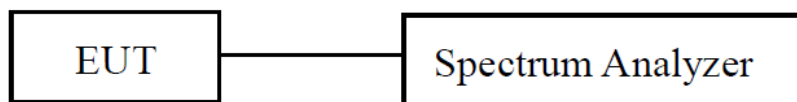
any unwanted emissions that falls between the upper edge of the 26 dB bandwidth and 5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth.

RSS-247 Clause 7.3.2.3 b

b. all emissions inside the band 5150-5250 MHz shall either:

- i. not exceed -27 dBm/MHz peak e.i.r.p spectral density, or
- ii. comply with the power spectral density for operation in section 7.3.1.2.

EUT Setup



Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset = Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

- a) Set RBW = 1%~5% of the emission bandwidth.
- b) Set VBW $\geq$ RBW.
- c) Detector = RMS.
- d) Trace mode = max hold.
- e) Measure the emission attenuated below the channel power.

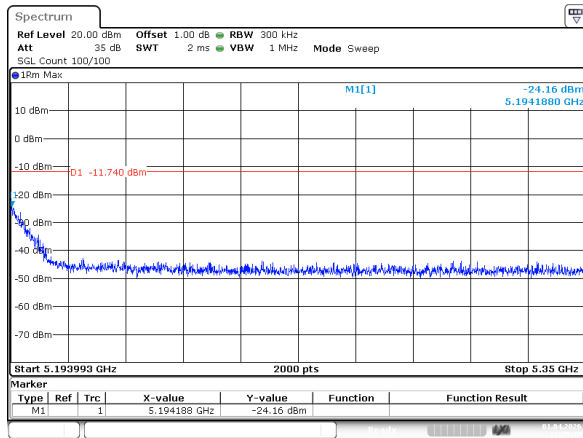
Test Data

Test Mode:	Transmitting	Test Engineer:	Braylon Ma
Test Date:	2026-04-01	Environment:	Temp.: 24.6°C Humi.: 50% Atm :100.1kPa
Test Result:	Compliance		

Please refer to below plots:

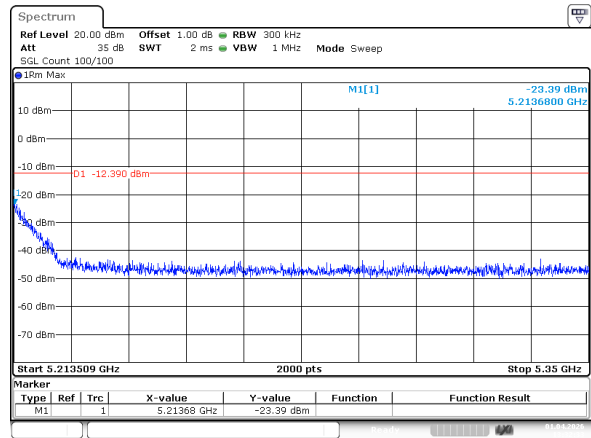
5150-5250MHz

802.11a_5180MHz



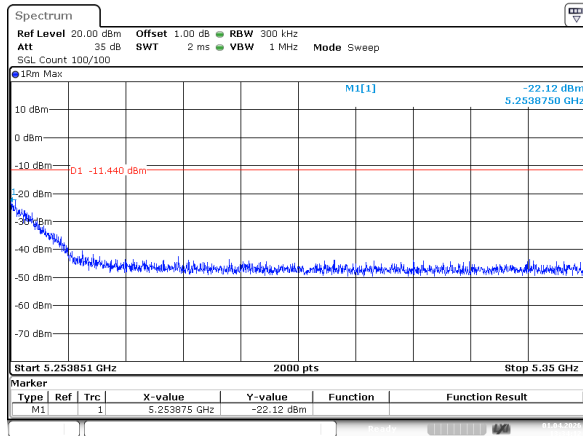
ProjectNo.:2607W16804E-RF Tester:Wlif
Date: 1.APR.2026 13:25:46

802.11a_5200MHz



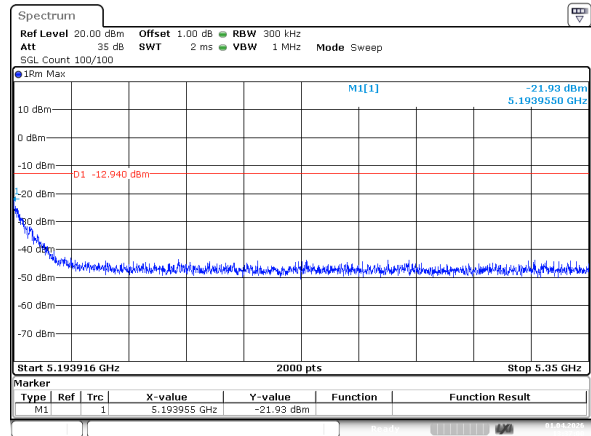
ProjectNo.:2607W16804E-RF Tester:Wlif
Date: 1.APR.2026 13:32:33

802.11a_5240MHz



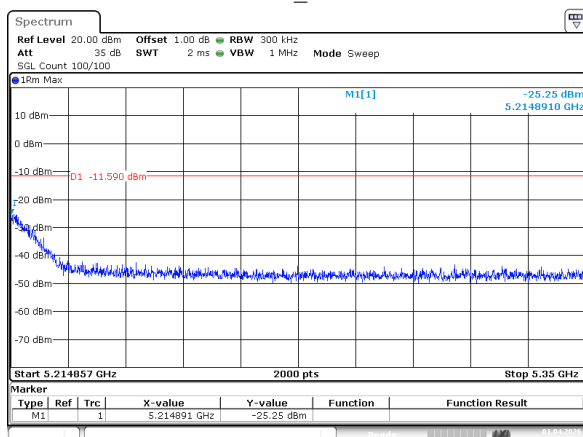
ProjectNo.:2607W16804E-RF Tester:Wlif
Date: 1.APR.2026 13:34:12

802.11n20_5180MHz



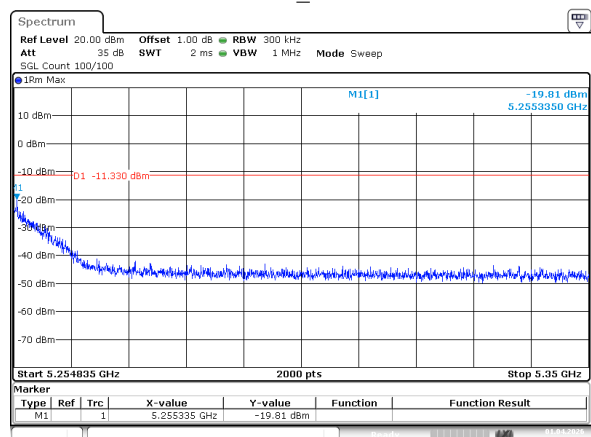
ProjectNo.:2607W16804E-RF Tester:Wlif
Date: 1.APR.2026 13:37:01

802.11n20_5200MHz



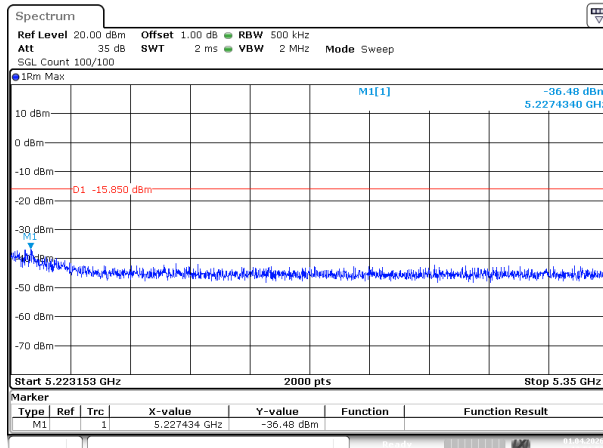
ProjectNo.:2607W16804E-RF Tester:Wlif
Date: 1.APR.2026 13:38:43

802.11n20_5240MHz



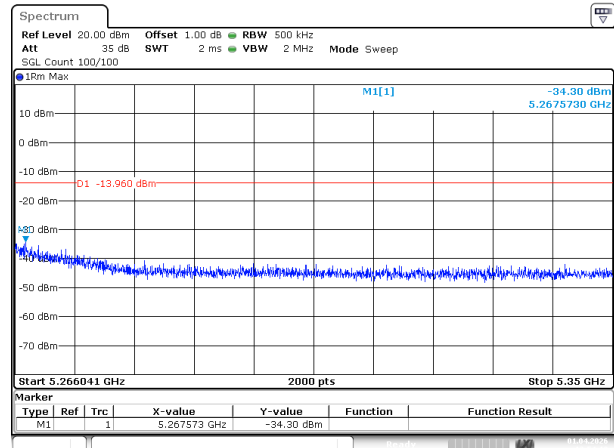
ProjectNo.:2607W16804E-RF Tester:Wlif
Date: 1.APR.2026 13:40:08

802.11n40_5190MHz



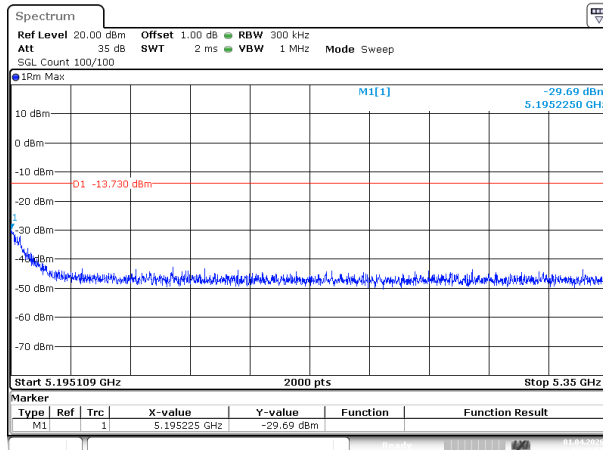
ProjectNo.:2607W16804E-RF Tester:Wliff
Date: 1.APR.2026 13:51:59

802.11n40_5230MHz



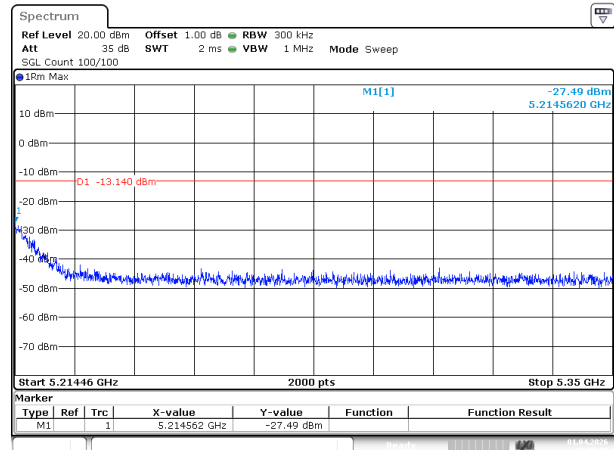
ProjectNo.:2607W16804E-RF Tester:Wliff
Date: 1.APR.2026 13:54:18

802.11ac20_5180MHz



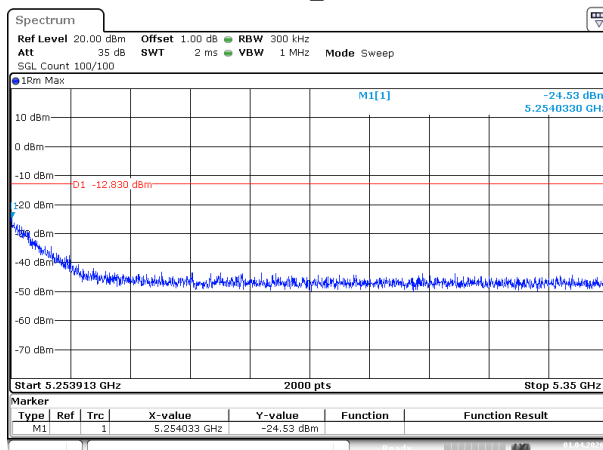
ProjectNo.:2607W16804E-RF Tester:Wliff
Date: 1.APR.2026 13:42:50

802.11ac20_5200MHz



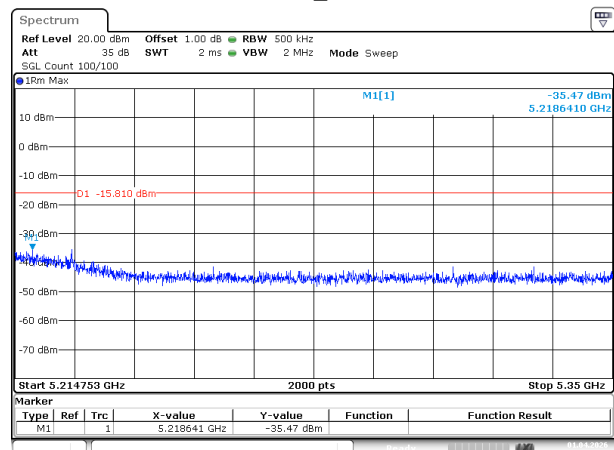
ProjectNo.:2607W16804E-RF Tester:Wliff
Date: 1.APR.2026 13:45:30

802.11ac20_5240MHz



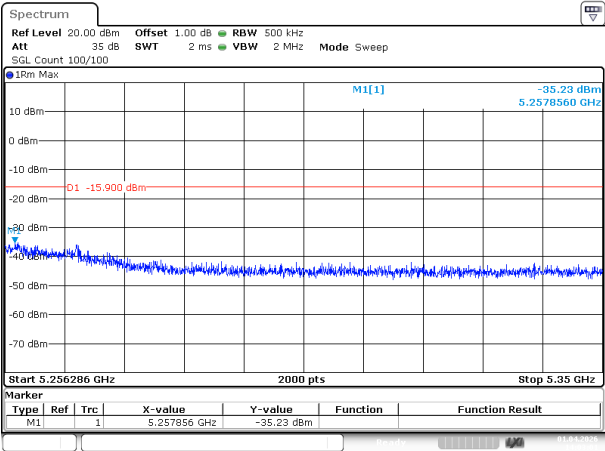
ProjectNo.:2607W16804E-RF Tester:Wliff
Date: 1.APR.2026 13:47:01

802.11ac40_5190MHz



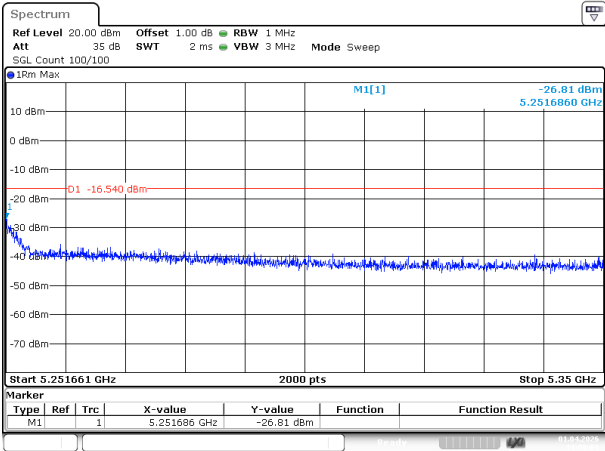
ProjectNo.:2607W16804E-RF Tester:Wliff
Date: 1.APR.2026 14:01:07

802.11ac40_5230MHz



ProjectNo.:2607W16804E-RF Tester:Wlif
Date: 1.APR.2026 14:03:00

802.11ac80_5210MHz



ProjectNo.:2607W16804E-RF Tester:Wlif
Date: 1.APR.2026 14:09:00

FCC §15.407(a) & RSS-247 ISSUE 4 CLAUSE 7.3 - MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

FCC §15.407(a) (1)(iv)

For client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

FCC §15.407(a) (3)(iii)

For client devices operating under the control of an indoor access point in the 5.850–5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm. Client devices operating on a channel that spans the 5.725–5.850 GHz and 5.850–5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

RSS-247 Clause 7.3.1.2

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed the lesser of:

- a. 30 mW; or
- b. $1.76 + 10 \log B$, dBm.

OEM devices installed in vehicles with a maximum e.i.r.p. greater than 15 mW shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For all other devices the maximum e.i.r.p. spectral density shall not exceed 10 dBm/MHz. The maximum e.i.r.p. shall not exceed the lesser of:

- a. 200 mW; or
- b. $10 + 10 \log B$, dBm.

RSS-247 Clause 7.3.2.2

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed the lesser of:

- a. 30 mW; or
- b. $1.76 + 10 \log B$, dBm.

OEM devices installed in vehicles with a maximum e.i.r.p. greater than 15 mW shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

All other devices shall comply with the following:

- a. the maximum power spectral density shall not exceed 11 dBm/MHz and the maximum conducted output power shall not exceed the lesser of:
 - i. 250 mW; or
 - ii. $11 + 10 \log B$, dBm.
- b. the maximum e.i.r.p. shall not exceed the lesser of:
 - i. 1.0 W; or
 - ii. $17 + 10 \log B$, dBm.
- c. Devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 7.3.3.2

Equipment operating in the band 5470-5725 MHz band shall comply with the following power limits:

- a. the maximum conducted output power shall not exceed the lesser of:
 - i. 250 mW; or
 - ii. $11 + 10 \log B$, dBm.
- b. the maximum power spectral density shall not exceed 11 dBm/MHz.
- c. the maximum e.i.r.p. shall not exceed the lesser of:
 - i. 1.0 W; or
 - ii. $17 + 10 \log B$, dBm.
- d. equipment with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 7.3.4.3

Equipment operating in the band 5725-5850 shall comply with the following power limits:

- a. the maximum conducted output power shall not exceed 1 W; and
- b. the maximum output power spectral density shall not exceed 30dBm/500 kHz.

When using transmitting antennas with a directional gain exceeding 6 dBi, the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

However, FFTP devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter maximum conducted output power and the power spectral density. FFTP operations exclude the use of PTMP systems, omnidirectional applications and multiple collocated transmitters transmitting the same information. However, remote stations of PTMP systems shall be permitted to operate at e.i.r.p. greater than 4 W under the same conditions as for FFTP systems.

EUT Setup



Note: A short RF cable with low cable loss connected to the EUT antenna port. The insert loss of this RF cable was offset into the setting of test equipment:

Offset= Insert loss of RF cable

★ The Insert loss was declared by manufacturer.

Test Procedure

According to ANSI C63.10-2020 Section 12.4.3.2

Method PM-G is measurement using a gated RF average power meter.

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Test Data

Test Mode:	Transmitting	Test Engineer:	Braylon Ma
Test Date:	2026-04-01	Environment:	Temp.: 22.1°C Humi.: 54% Atm : 100.1kPa
Test Result:	Compliance		

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	FCC 15.407 Limit(dBm)	EIRP (dBm)	RSS-247 EIRP Limit(dBm)
802.11n ht20	5180	13.05	24	15.74	22.77
	5200	14.2	24	16.89	22.75
	5240	14.26	24	16.95	22.72
Antenna Gain(dBi):		2.69			
Note: 1.The device can function as both client and master, strict limits was chose. 2. The duty cycle factor has been calculated into the test data.					

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	FCC 15.407 Limit(dBm)	RSS-247 Limit(dBm)	EIRP (dBm)	RSS-247 EIRP Limit(dBm)
802.11a	5260	14.65	24	23.46	17.34	29.46
	5300	14.75	24	23.47	17.44	29.47
	5320	14.94	24	23.65	17.63	29.65
Antenna Gain(dBi):		2.69				
Note: 1. The device is a client device. 2. The duty cycle factor has been calculated into the test data.						

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	FCC 15.407 Limit(dBm)	RSS-247 Limit(dBm)	EIRP (dBm)	RSS-247 EIRP Limit(dBm)
802.11a	5500	11.57	24	23.45	13.33	29.45
	5580	11.63	24	23.48	13.39	29.48
	5700	15.21	24	24.00	16.97	30.00
Antenna Gain(dBi):		1.76				
Note: 1. The device is a client device. 2. The duty cycle factor has been calculated into the test data.						

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	Limit(dBm)
802.11a	5745	15.26	30
	5785	15.4	30
	5825	14.47	30
Antenna Gain(dBi):		-2.02	
Note:			
1. The device can function as both client and master, strict limits was chose.			
2. The duty cycle factor has been calculated into the test data.			

EUT PHOTOGRAPHS

Please refer to the attachment 2607P42218E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2607P42218E-RF-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2607P42218E-RF-TSP-04 SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k with the 95% confidence interval.
5. This report cannot be reproduced except in full, without prior written approval of Bay Area Compliance Laboratories Corp. (Xiamen).
6. This report is valid only with a valid digital signature. The digital signature may be available only under the adobe software above version 7.0.

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