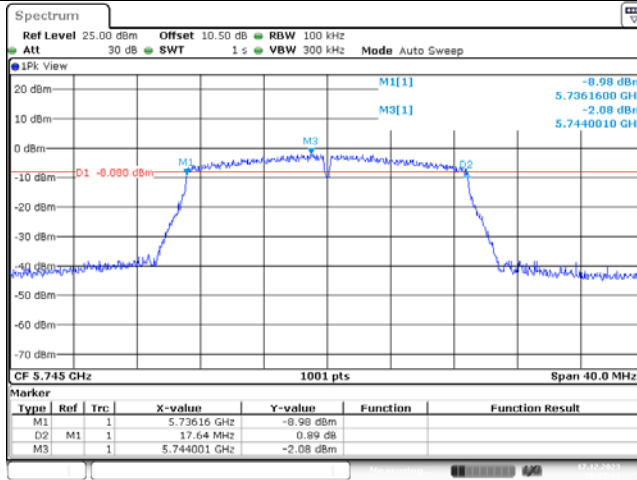


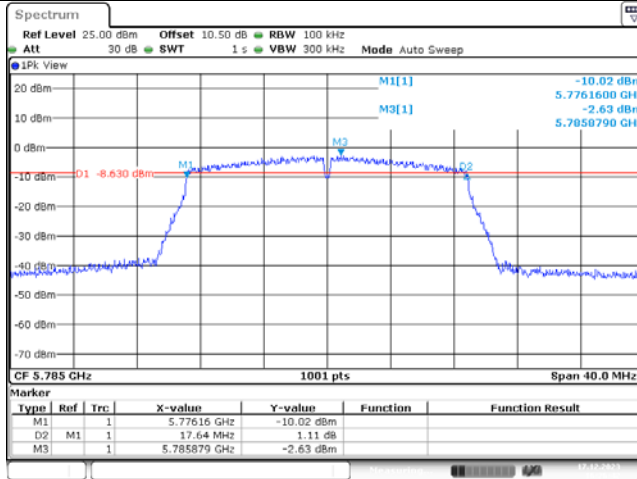
### 6dB Emission Bandwidth

802.11n ht20  
Lowest Channel



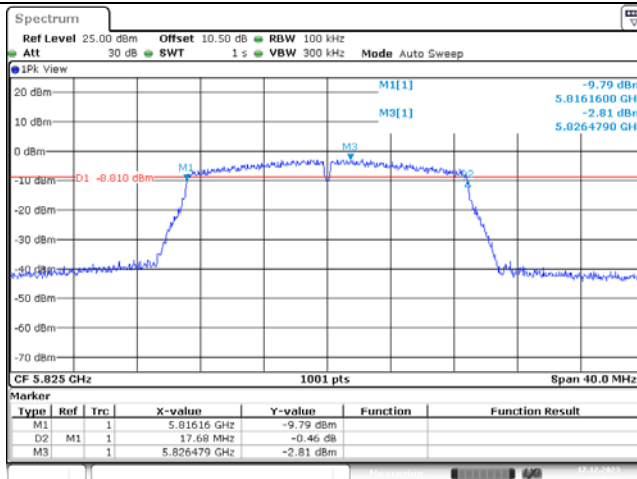
ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:25:11

802.11n ht20  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:26:42

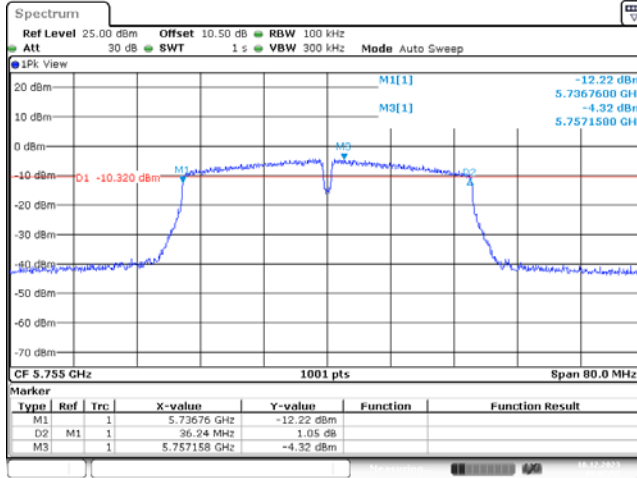
802.11n ht20  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:28:38

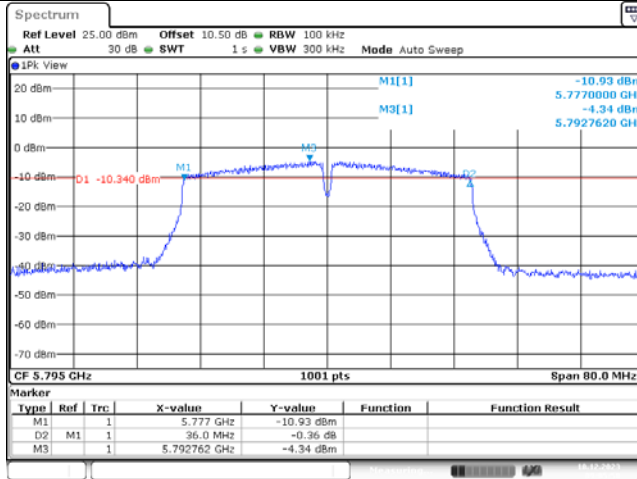
### 6dB Emission Bandwidth

802.11n ht40  
Lowest Channel



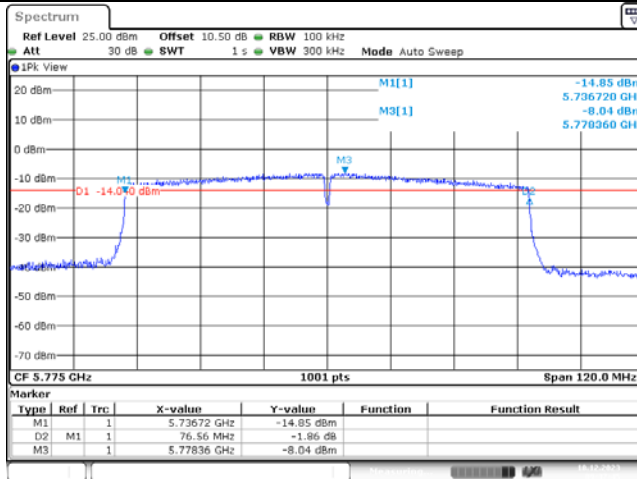
ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:02:57

802.11n ht40  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:05:59

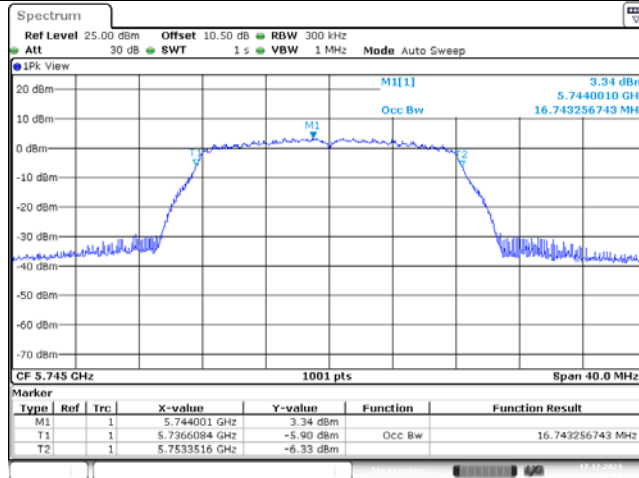
802.11ac vht80  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:37:45

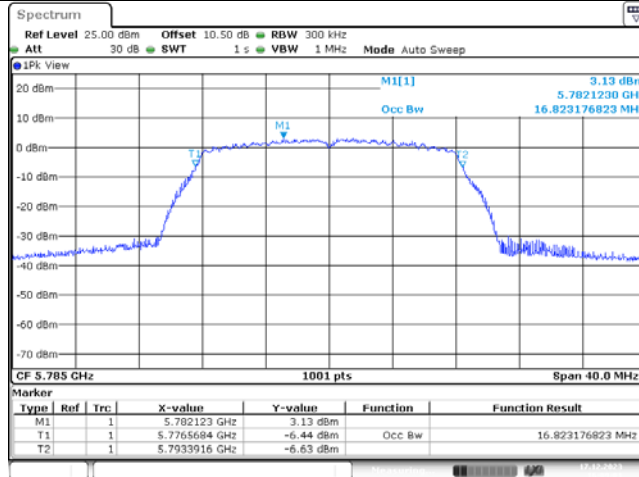
### 99% Emission Bandwidth

802.11a  
Lowest Channel



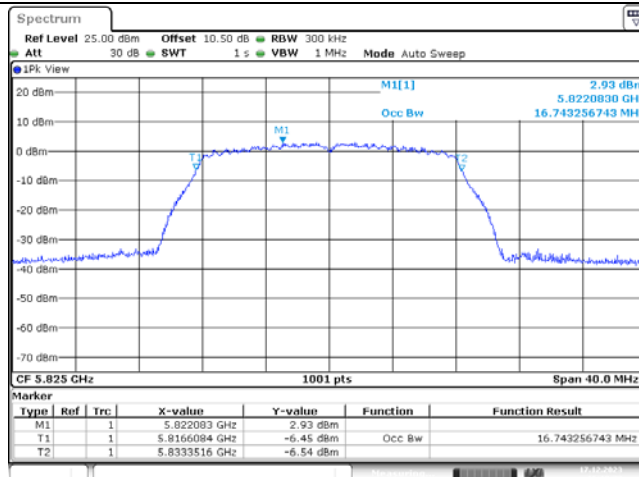
ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:07:06

802.11a  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:09:01

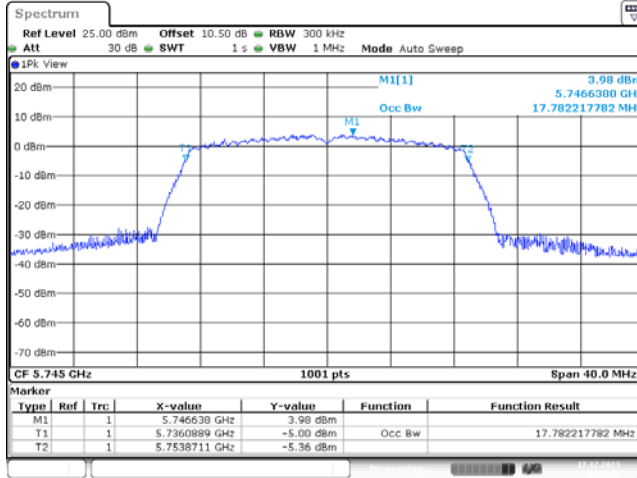
802.11a  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:10:32

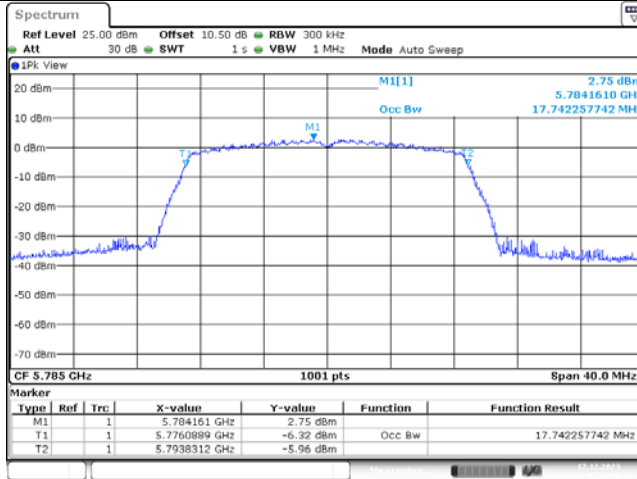
### 99% Emission Bandwidth

802.11n ht20  
Lowest Channel



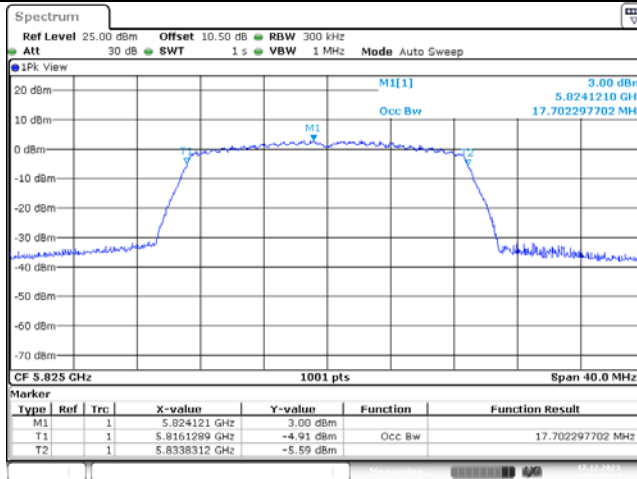
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Date: 17.DEC.2023 16:24:59

802.11n ht20  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:26:26

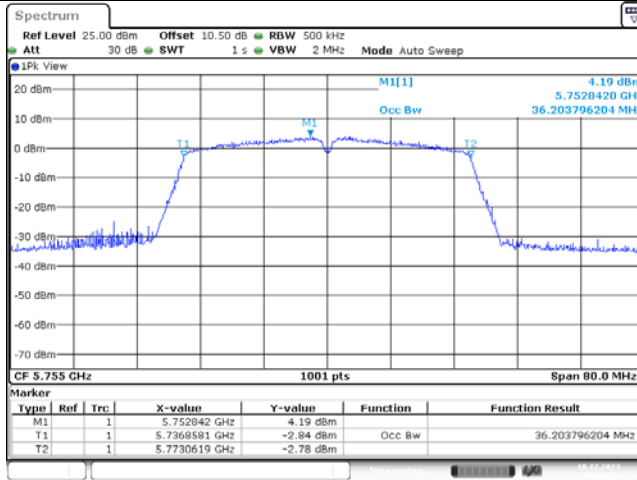
802.11n ht20  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:28:14

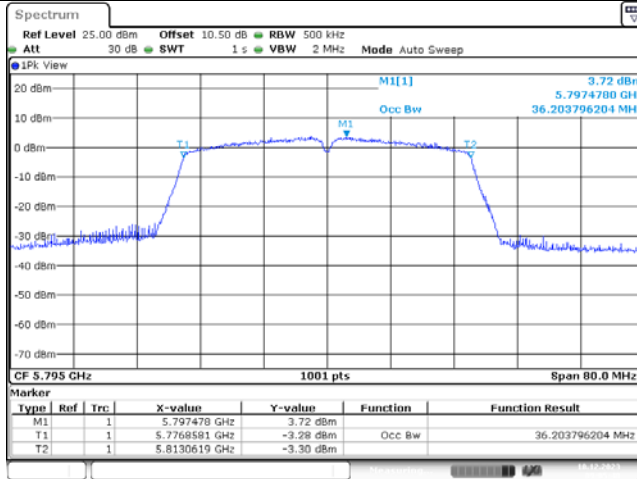
### 99% Emission Bandwidth

802.11n ht40  
Lowest Channel



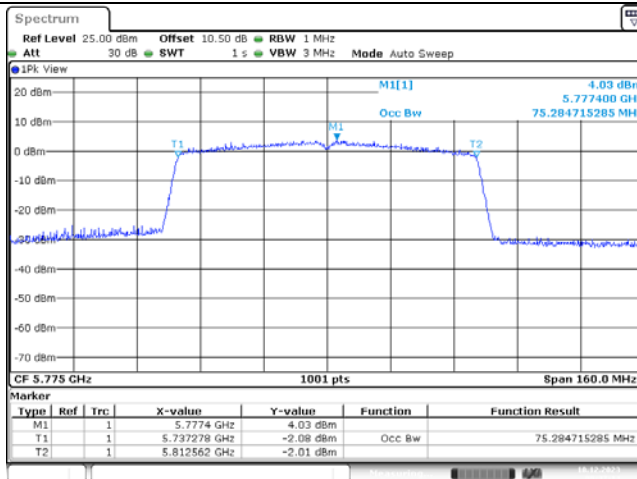
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Date: 18.DEC.2023 09:02:26

802.11n ht40  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:05:40

802.11ac vht80  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:37:15

**4.4 Maximum Conducted Output Power:**

Serial Number:	2EOC-1	Test Date:	2023/12/17~2023/12/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	17~18	Relative Humidity: (%)	40~49	ATM Pressure: (kPa)	101.54
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
Anritsu	Power Meter	ML2495A	1106009	2023/8/4	2024/8/3
Anritsu	Pulse Power Sensor	MA2411A	10780	2023/8/4	2024/8/3

\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data:**

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5180	12.82	24
	5200	12.16	24
	5240	12.64	24
802.11n ht20	5180	12.52	24
	5200	12.64	24
	5240	12.66	24
802.11n ht40	5190	12.37	24
	5230	11.92	24
802.11ac vht80	5210	12.21	24
Noet: The device can operate as a client device.			

## 5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5260	12.49	24
	5280	12.69	24
	5320	12.74	24
802.11n ht20	5260	12.04	24
	5280	11.96	24
	5320	11.84	24
802.11n ht40	5270	12.42	24
	5310	12.33	24
802.11ac vht80	5290	11.9	24

## 5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5500	6.67	24
	5580	7.21	24
	5700	6.22	24
802.11n ht20	5500	6.33	24
	5580	7.04	24
	5700	6.05	24
802.11n ht40	5510	6.58	24
	5550	7.1	24
	5670	6.39	24
802.11ac vht80	5530	6.75	24
	5610	6.99	24

## 5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5745	11.06	30
	5785	10.67	30
	5825	10.42	30
802.11n ht20	5745	11.38	30
	5785	10.48	30
	5825	10.49	30
802.11n ht40	5755	11.8	30
	5795	11.46	30
802.11ac vht80	5775	11.11	30

**4.5 Maximum power spectral density:**

Serial Number:	2EOC-1	Test Date:	2023/12/17~2023/12/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	17~18	Relative Humidity: (%)	40~49	ATM Pressure: (kPa)	101.54
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2023/11/16	2024/11/15
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data:**

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/MHz)	
				Result	Limit
802.11a	5180	2.12	/	2.12	11
	5200	1.49	/	1.49	11
	5240	2	/	2.00	11
802.11n ht20	5180	1.69	/	1.69	11
	5200	1.82	/	1.82	11
	5240	1.84	/	1.84	11
802.11n ht40	5190	-1.27	/	-1.27	11
	5230	-1.71	/	-1.71	11
802.11ac vht80	5210	-4.73	/	-4.73	11
Antenna Gain:	-0.41	dBi			

Note:

The device is a client device.



## 5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/MHz)	
				Result	Limit
802.11a	5260	1.81	/	1.81	11
	5280	2.02	/	2.02	11
	5320	2.09	/	2.09	11
802.11n ht20	5260	1.21	/	1.21	11
	5280	1.11	/	1.11	11
	5320	0.99	/	0.99	11
802.11n ht40	5270	-1.09	/	-1.09	11
	5310	-1.32	/	-1.32	11
802.11ac vht80	5290	-4.98	/	-4.98	11
Antenna Gain:	-0.68	dBi			

## 5470-5725 MHz:

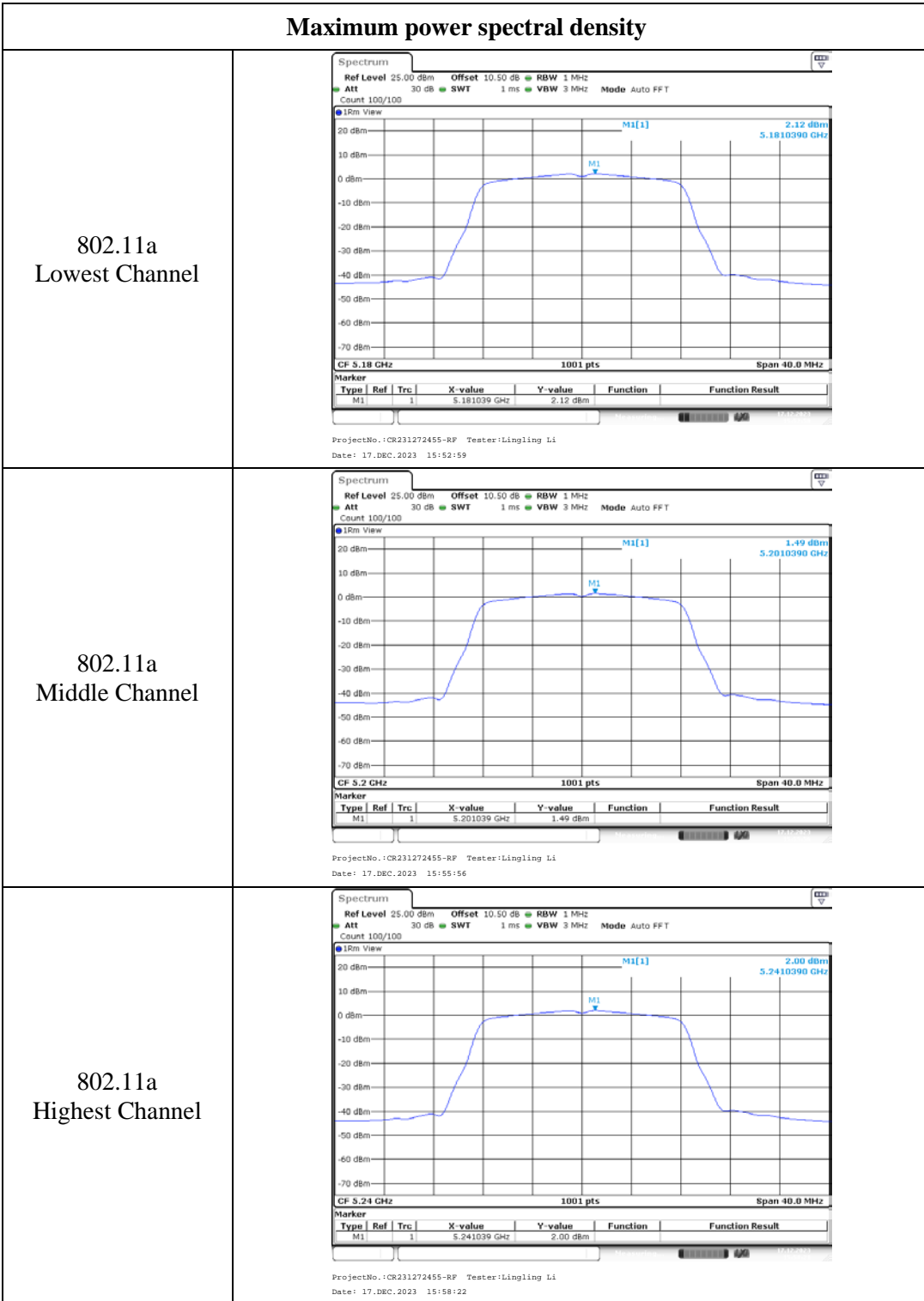
Test Modes	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/MHz)	
				Result	Limit
802.11a	5500	-3.95	/	-3.95	11
	5580	-3.5	/	-3.50	11
	5700	-4.4	/	-4.40	11
802.11n ht20	5500	-4.54	/	-4.54	11
	5580	-3.85	/	-3.85	11
	5700	-4.75	/	-4.75	11
802.11n ht40	5510	-7.03	/	-7.03	11
	5550	-6.53	/	-6.53	11
	5670	-7.23	/	-7.23	11
802.11ac vht80	5530	-10.18	/	-10.18	11
	5610	-9.81	/	-9.81	11
Antenna Gain:	-1.2	dBi			

## 5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Maximum Power Spectral Density (dBm/500kHz)	
				Result	Limit
802.11a	5745	-2.4	/	-2.40	30
	5785	-2.79	/	-2.79	30
	5825	-3.13	/	-3.13	30
802.11n ht20	5745	-2.31	/	-2.31	30
	5785	-3.2	/	-3.20	30
	5825	-3.29	/	-3.29	30
802.11n ht40	5755	-5.14	/	-5.14	30
	5795	-5.36	/	-5.36	30
802.11ac vht80	5775	-8.87	/	-8.87	30
Antenna Gain:	-0.84	dBi			

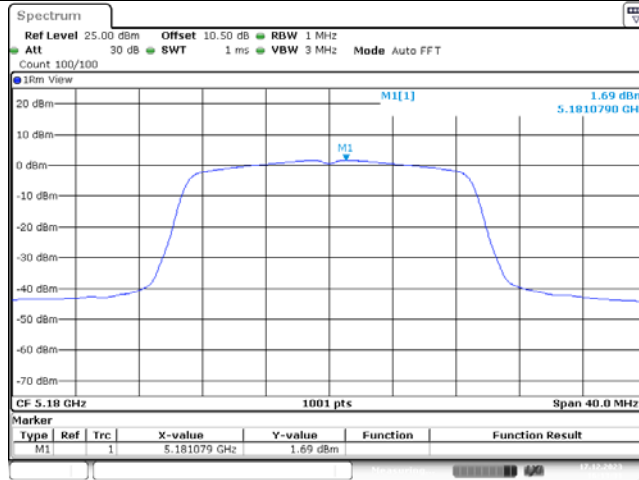
5150-5250MHz:

Maximum power spectral density



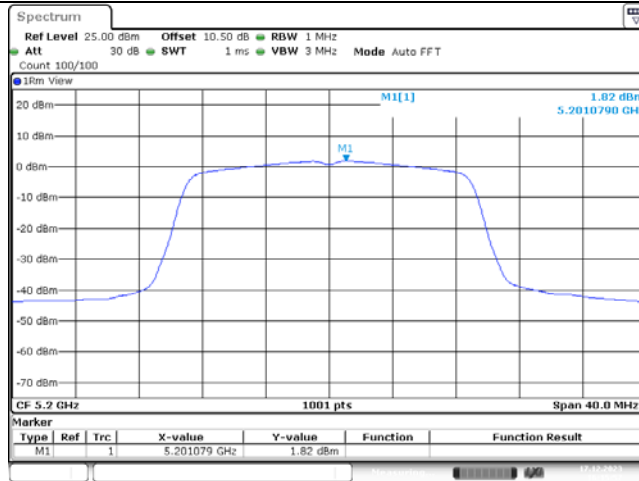
### Maximum power spectral density

802.11n ht20  
Lowest Channel



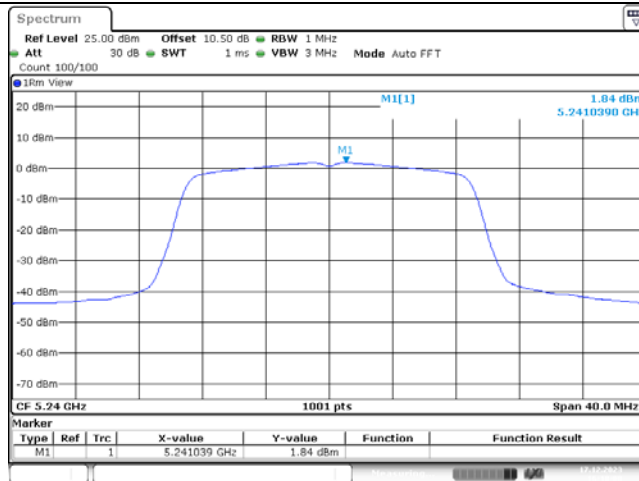
ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17.DEC.2023 16:13:31

802.11n ht20  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17.DEC.2023 16:15:57

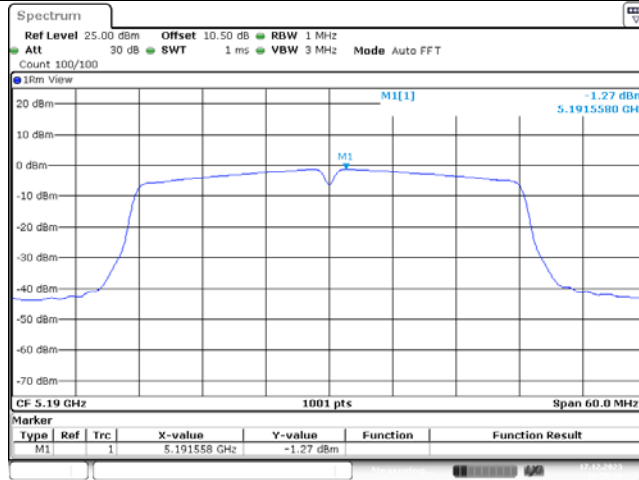
802.11n ht20  
Highest Channel



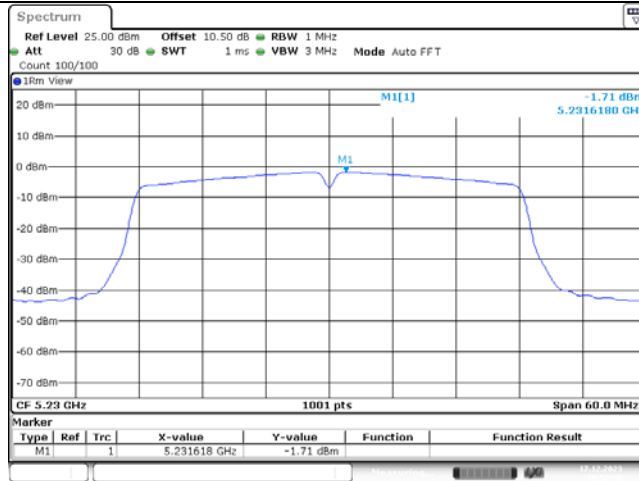
ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17.DEC.2023 16:18:00

### Maximum power spectral density

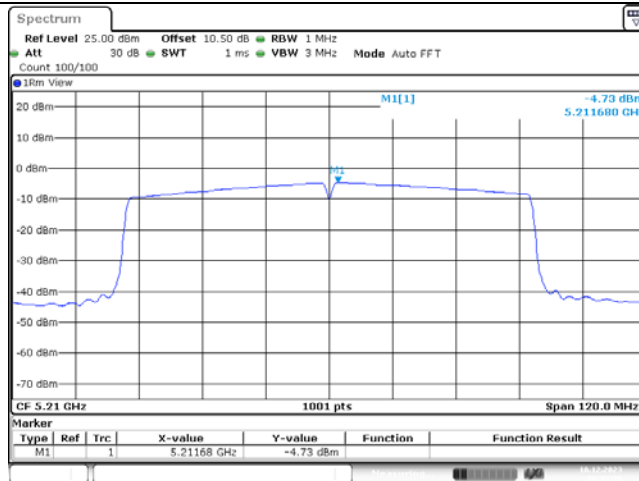
802.11n ht40  
Lowest Channel



802.11n ht40  
Highest Channel

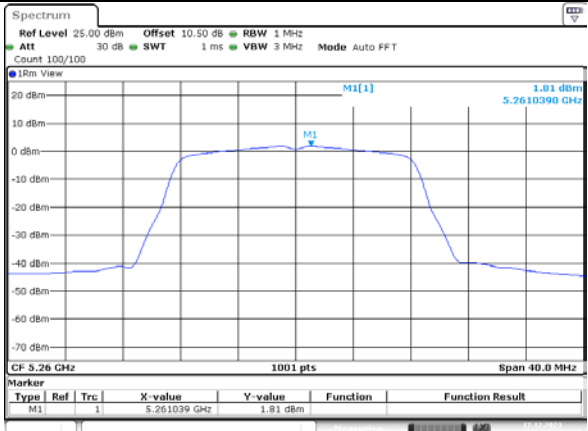
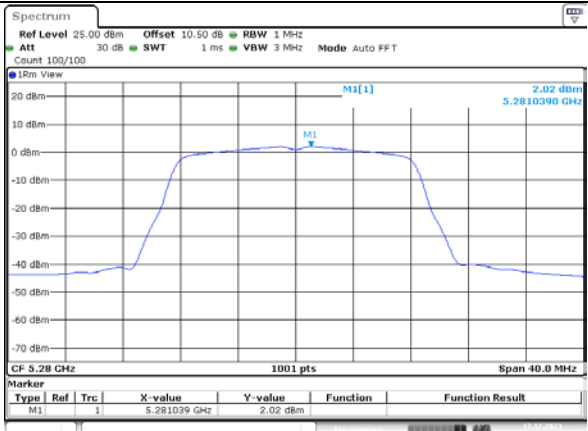
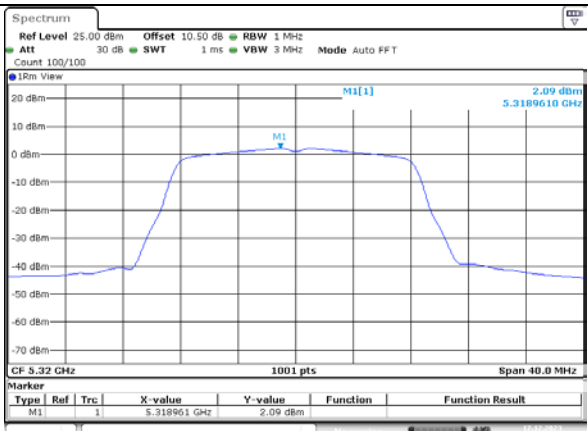


802.11ac vht80  
Middle Channel



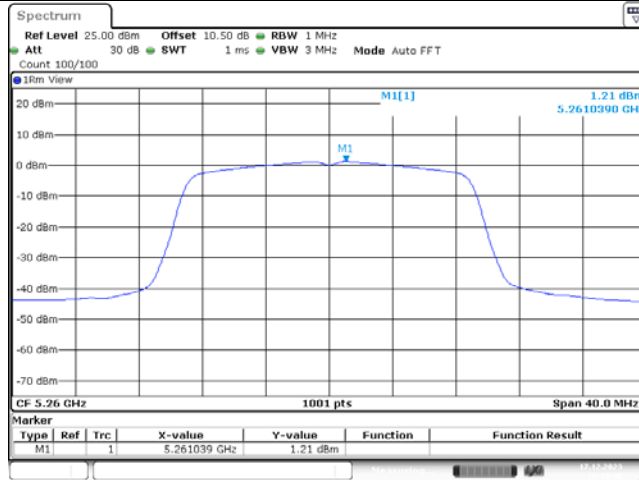
5250-5350MHz:

Maximum power spectral density

<p>802.11a Lowest Channel</p>	 <p>ProjectNo.:CR231272455-RP Tester:Lingling Li Date: 17.DEC.2023 16:00:27</p>
<p>802.11a Middle Channel</p>	 <p>ProjectNo.:CR231272455-RP Tester:Lingling Li Date: 17.DEC.2023 16:02:37</p>
<p>802.11a Highest Channel</p>	 <p>ProjectNo.:CR231272455-RP Tester:Lingling Li Date: 17.DEC.2023 16:05:56</p>

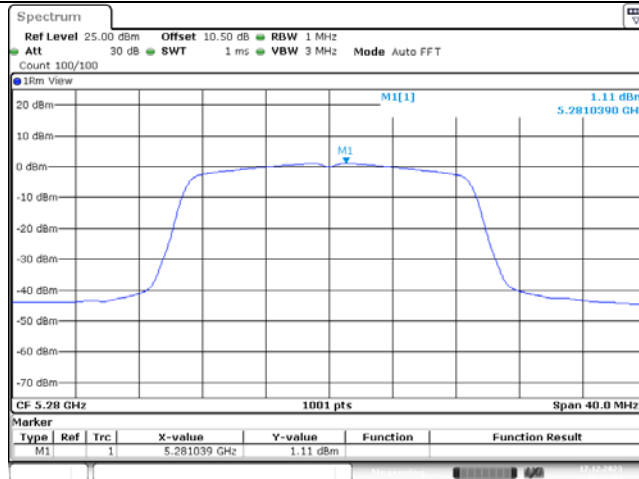
### Maximum power spectral density

802.11n ht20  
Lowest Channel



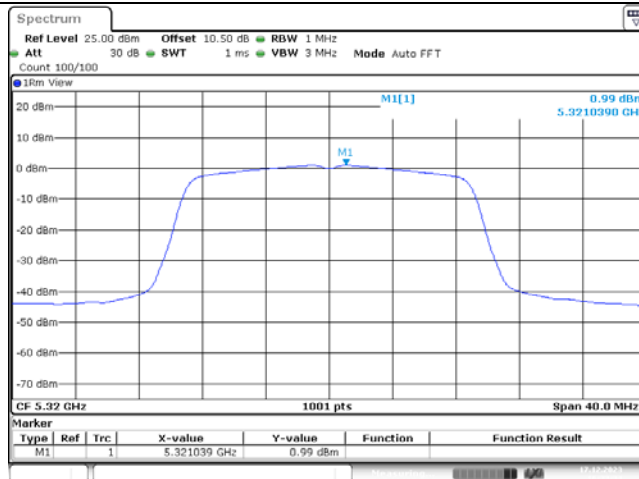
ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:19:48

802.11n ht20  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:21:33

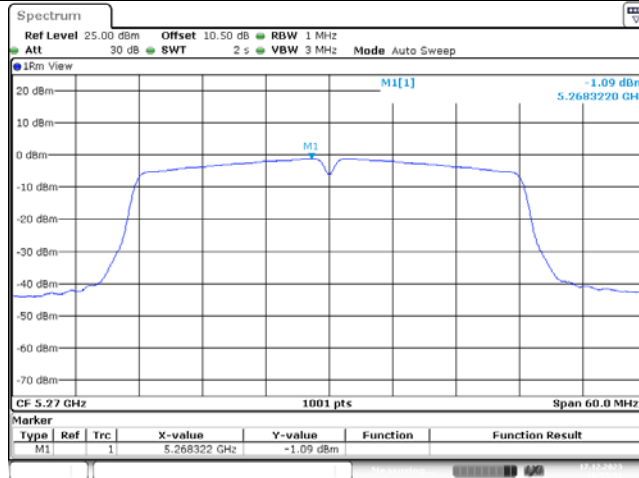
802.11n ht20  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:23:34

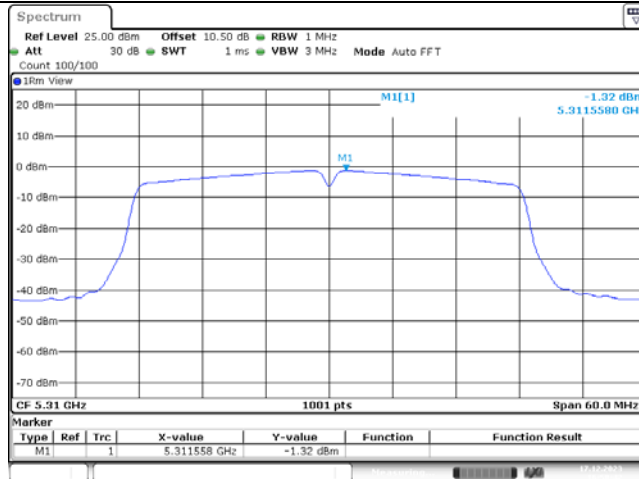
### Maximum power spectral density

802.11n ht40  
Lowest Channel



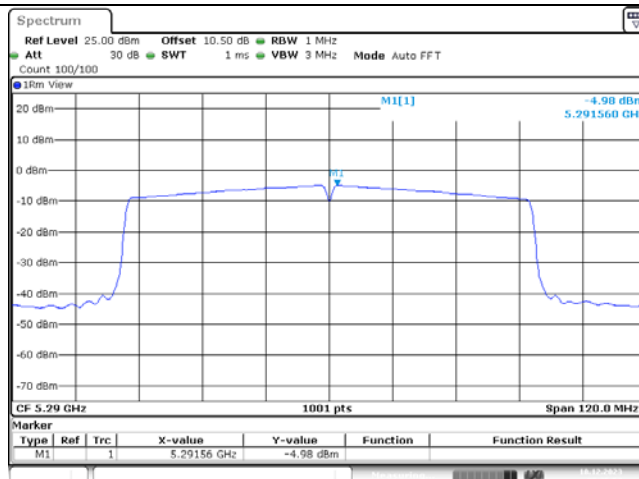
ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:55:51

802.11n ht40  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:58:42

802.11ac vht80  
Middle Channel

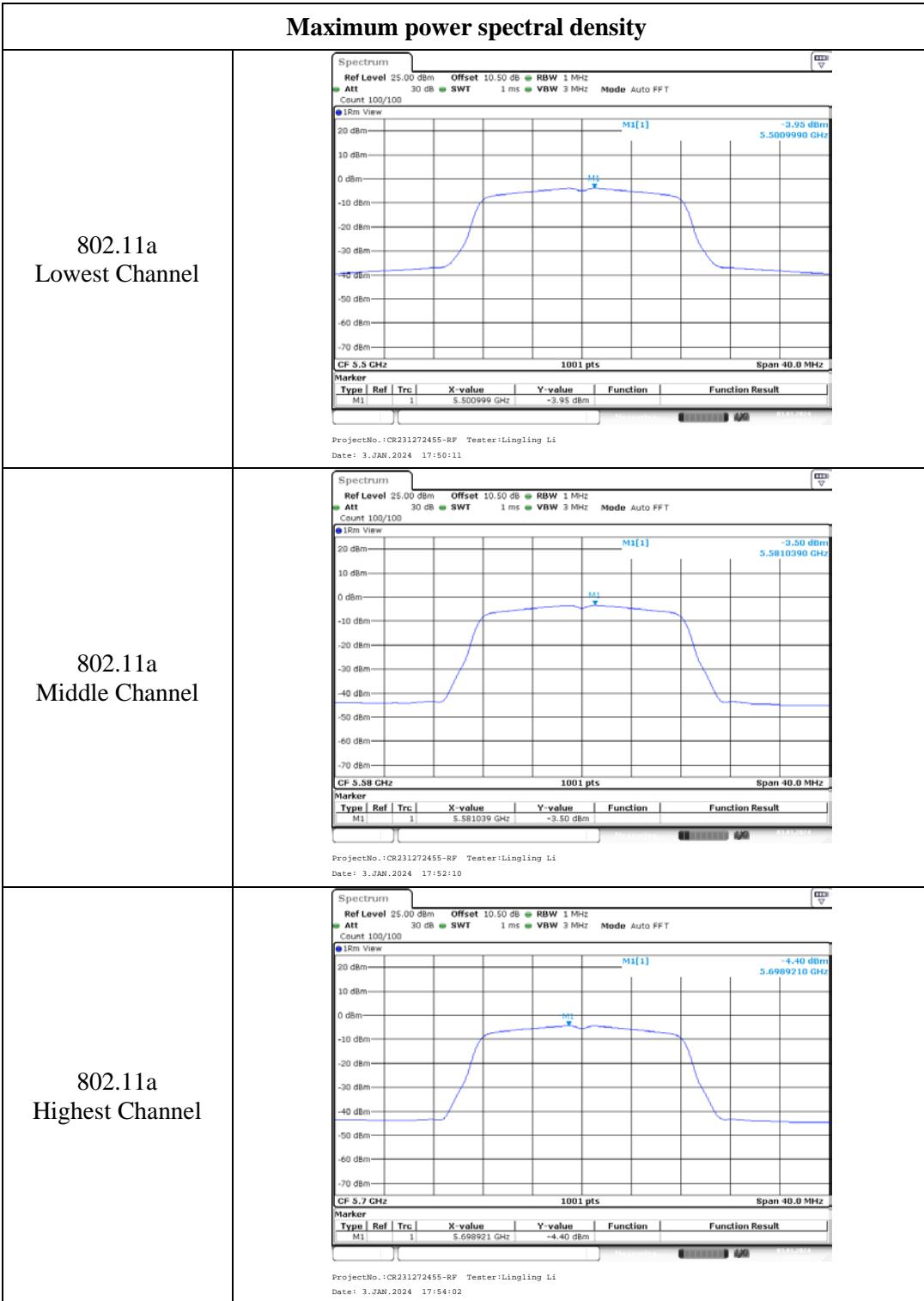


ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:35:52



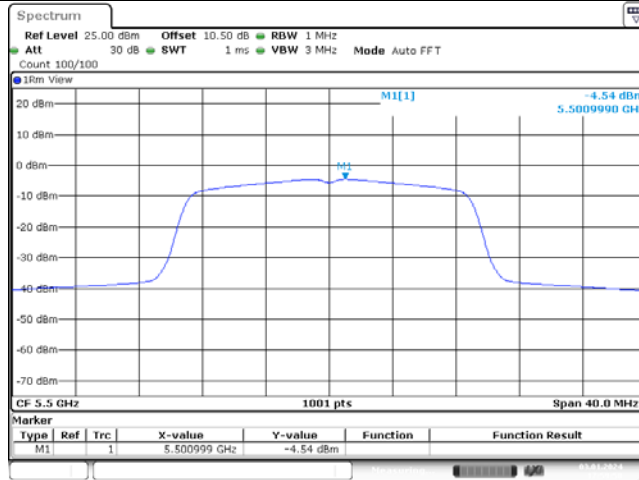
5470-5725MHz:

Maximum power spectral density



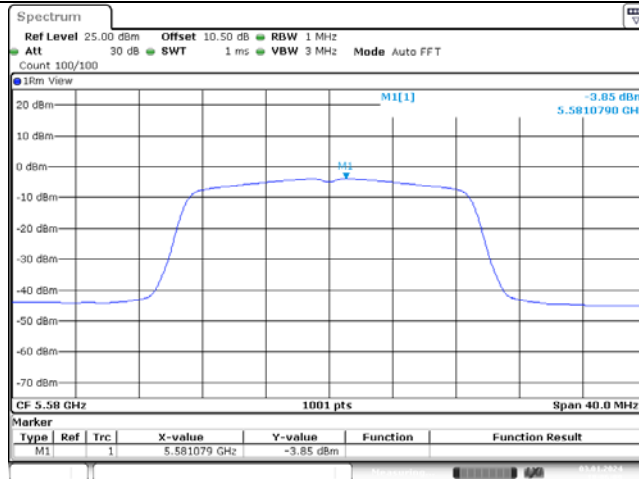
### Maximum power spectral density

802.11n ht20  
Lowest Channel



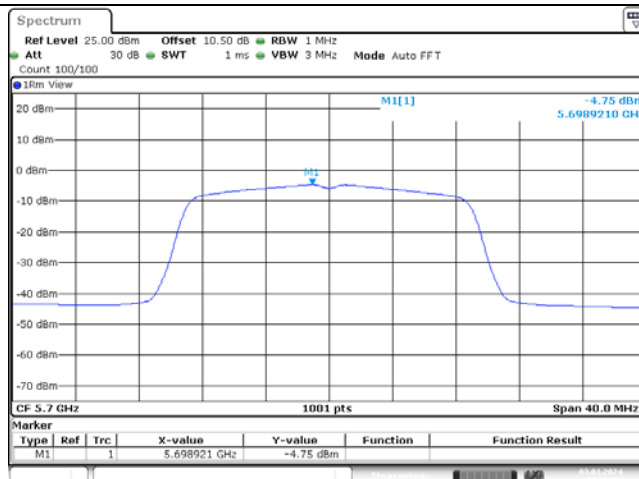
ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 3.JAN.2024 17:59:50

802.11n ht20  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 3.JAN.2024 18:06:09

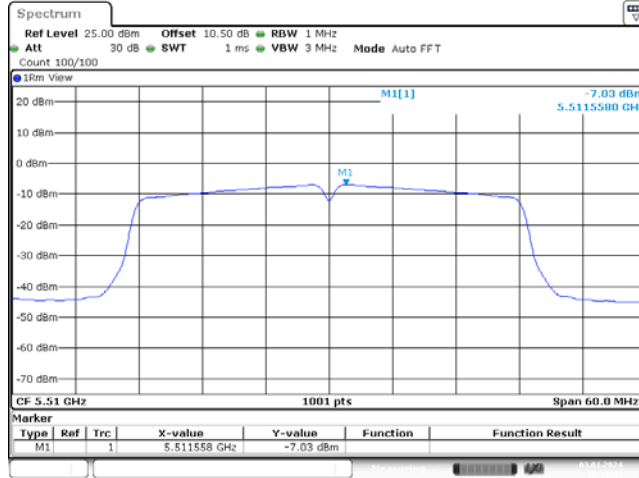
802.11n ht20  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 3.JAN.2024 18:08:02

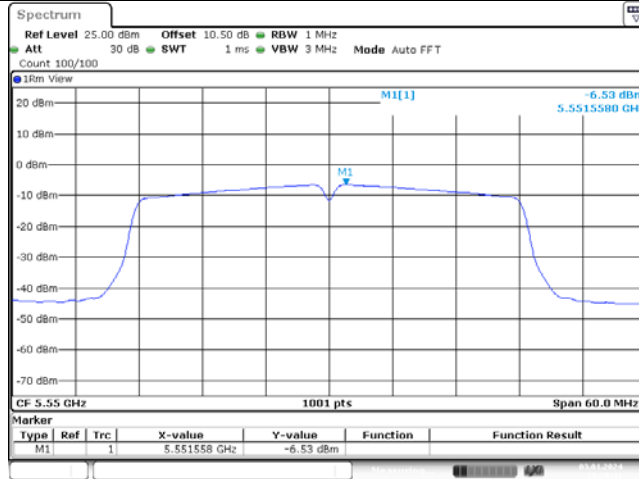
### Maximum power spectral density

802.11n ht40  
Lowest Channel



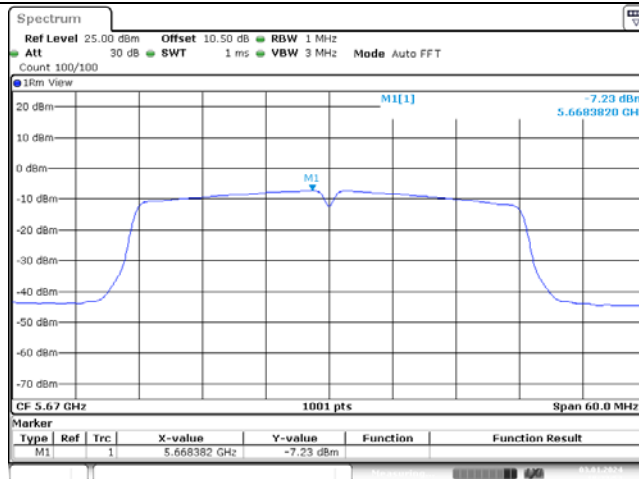
ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 3.JAN.2024 18:18:43

802.11n ht40  
Middle Channel



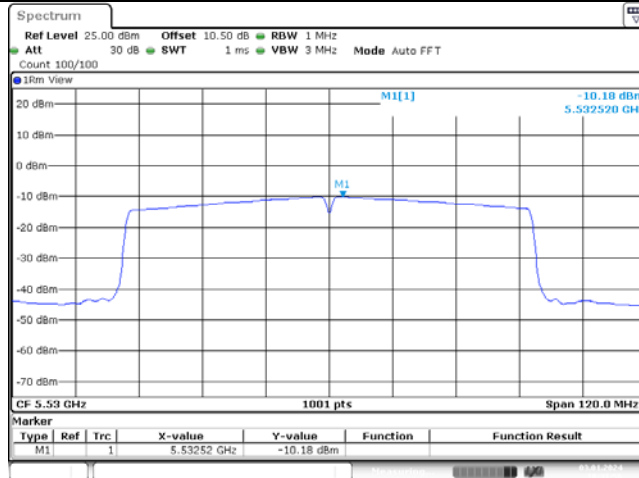
ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 3.JAN.2024 18:20:41

802.11n ht40  
Highest Channel



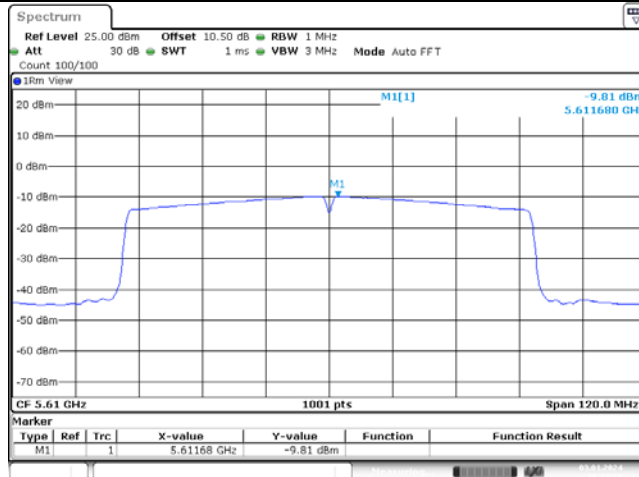
ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 3.JAN.2024 18:23:53

802.11ac vht80  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 3.JAN.2024 18:31:56

802.11ac vht80  
Highest Channel

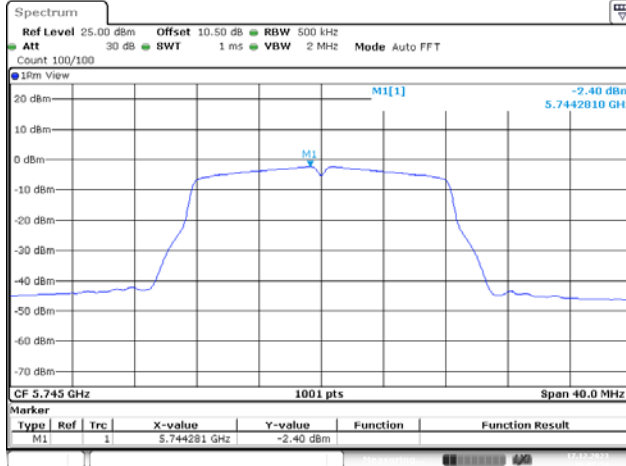


ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 3.JAN.2024 18:33:51

5725-5850MHz

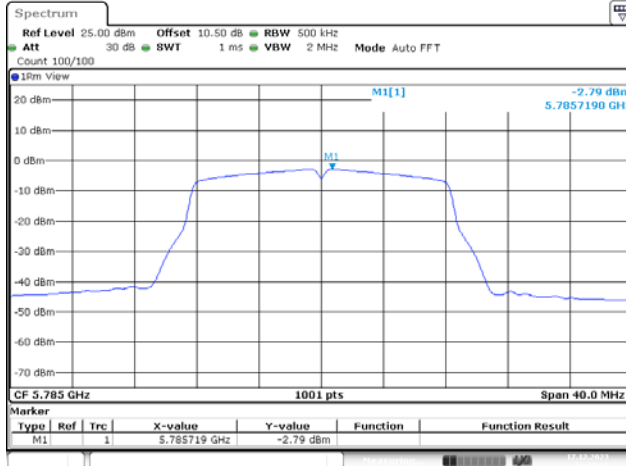
Maximum power spectral density

802.11a  
Lowest Channel



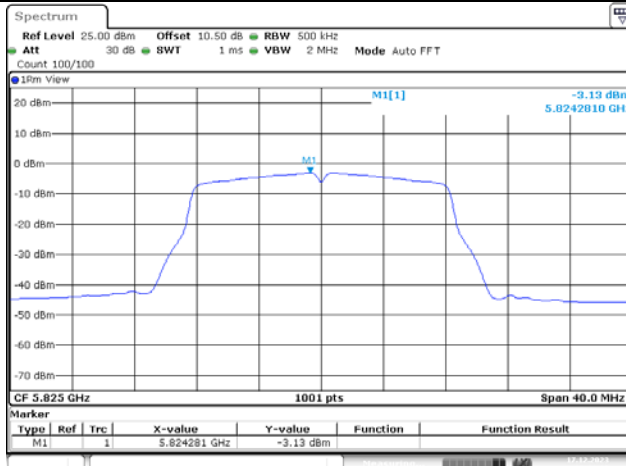
ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17. DEC. 2023 16:07:54

802.11a  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17. DEC. 2023 16:09:33

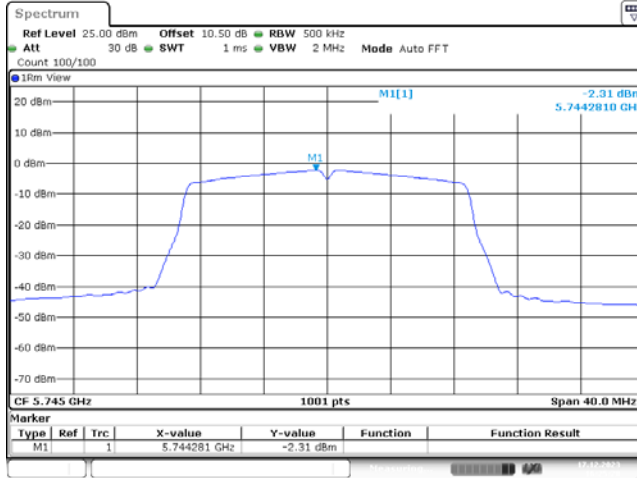
802.11a  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17. DEC. 2023 16:11:05

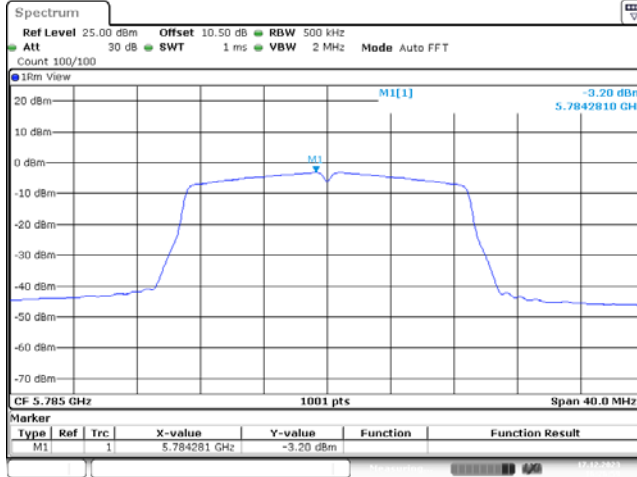
### Maximum power spectral density

802.11n ht20  
Lowest Channel



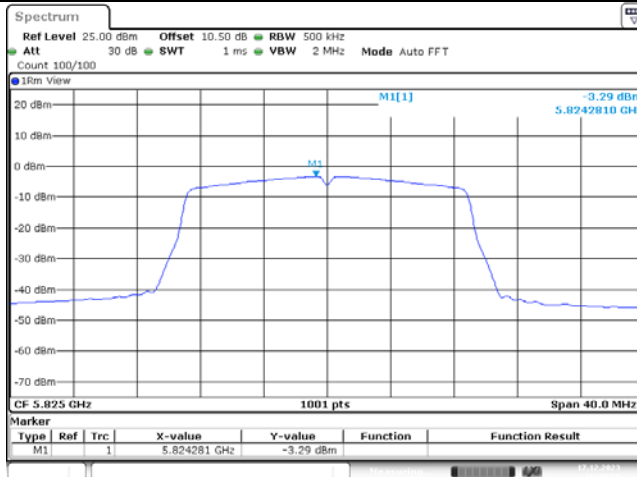
ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17.DEC.2023 16:25:28

802.11n ht20  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17.DEC.2023 16:26:59

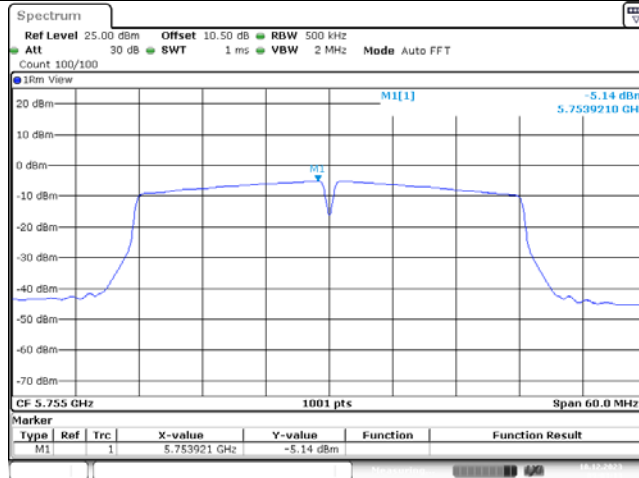
802.11n ht20  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
 Date: 17.DEC.2023 16:28:55

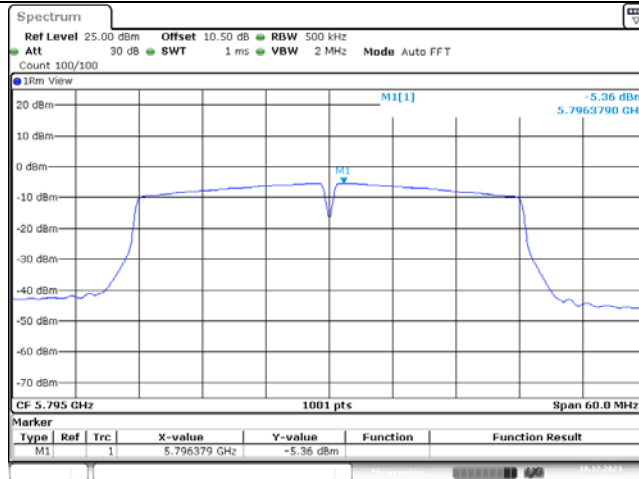
### Maximum power spectral density

802.11n ht40  
Lowest Channel



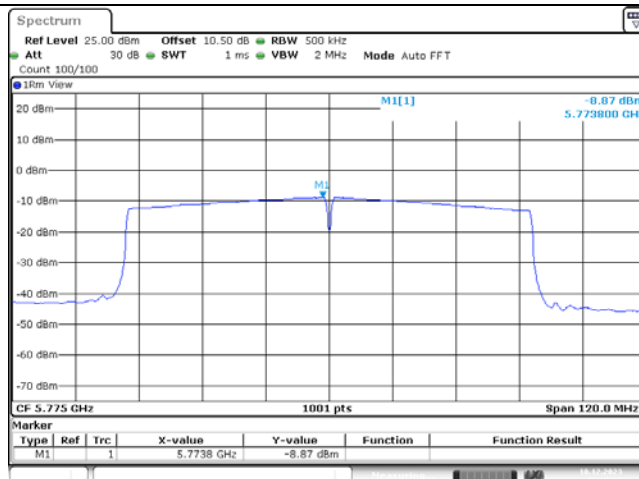
ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:03:13

802.11n ht40  
Highest Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:06:15

802.11ac vht80  
Middle Channel



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:38:02

**4.6 Duty Cycle:**

Serial Number:	2EOC-1	Test Date:	2023/12/17~2023/12/18
Test Site:	RF	Test Mode:	Transmitting
Tester:	Lingling Li	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	17~18	Relative Humidity: (%)	40~49	ATM Pressure: (kPa)	101.54
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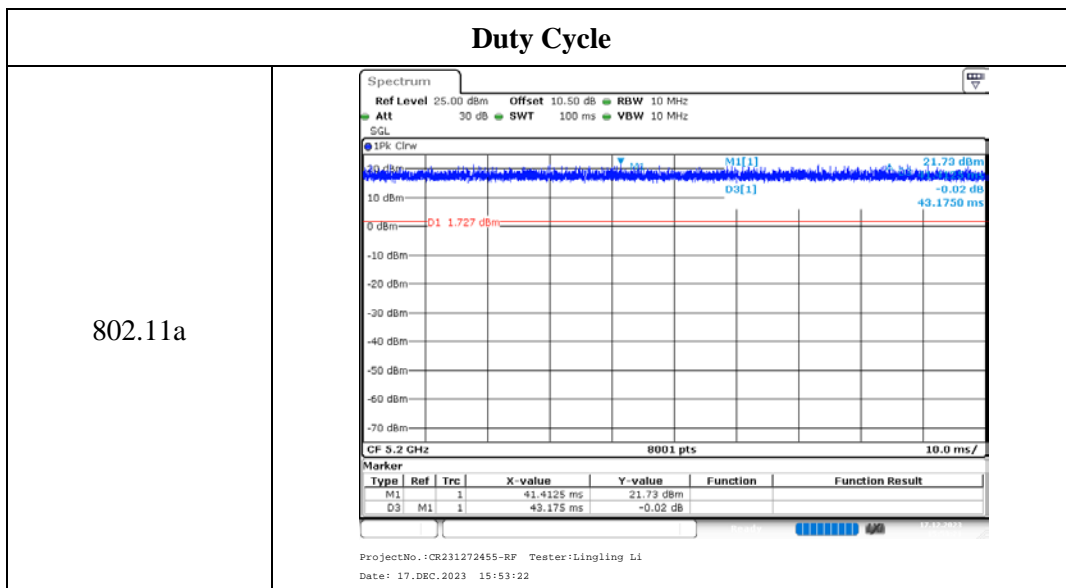
**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101590	2023/11/16	2024/11/15
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A

\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data:**

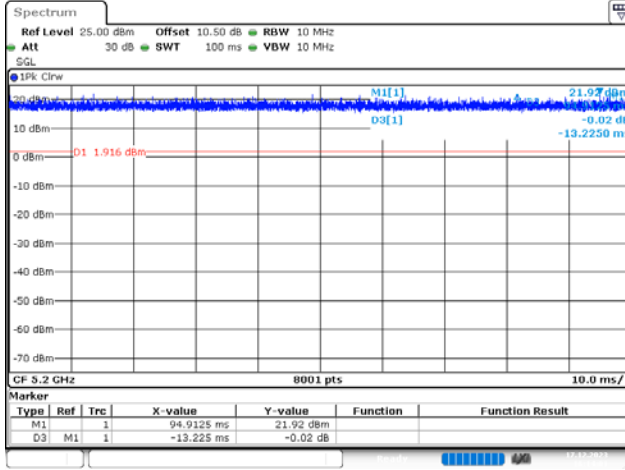
Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)	1/T (Hz)	Duty Factor (dB)	1/T Minimum VBW[kHz]
802.11a	100	100	100.00	/	/	10
802.11n ht20	100	100	100.00	/	/	10
802.11n ht40	100	100	100.00	/	/	10
802.11ac vht80	100	100	100.00	/	/	10





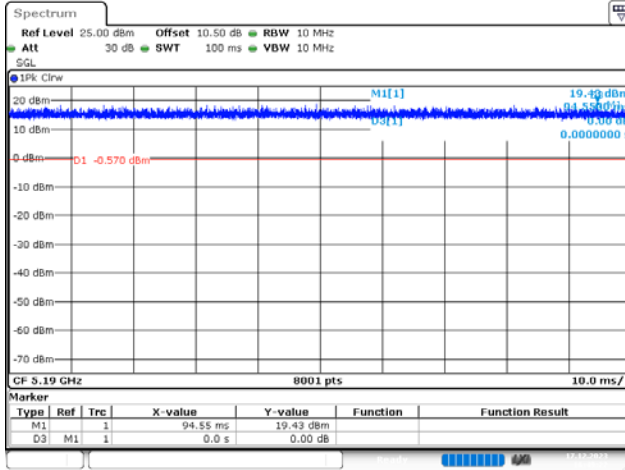
### Duty Cycle

802.11n ht20



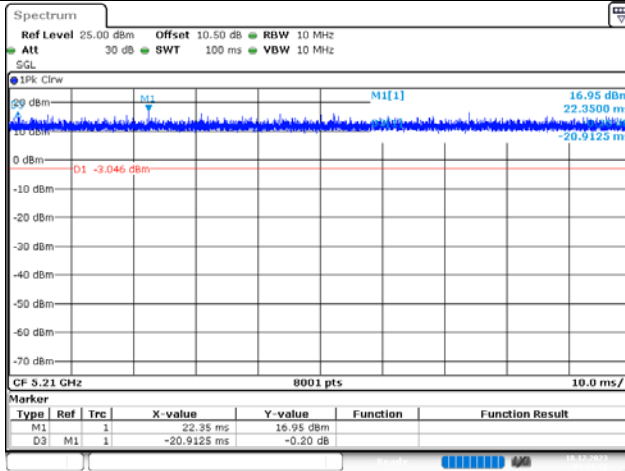
ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:14:01

802.11n ht40



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 17.DEC.2023 16:49:22

802.11ac vht80



ProjectNo.:CR231272455-RF Tester:Lingling Li  
Date: 18.DEC.2023 09:31:56

## **5. EUT PHOTOGRAPHS**

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Please refer to the attachment CR231272455-EXP EUT EXTERNAL PHOTOGRAPHS and  
CR231272455-INP EUT INTERNAL PHOTOGRAPHS

## **6. TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment CR231272455-00D-TSP TEST SETUP PHOTOGRAPHS.

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