

RF TEST REPORT

For

Nanjing Jiahao Technology Co., Ltd

Product Name: WIFI+BT Module

Test Model(s): WKCT16R2501

Report Reference No. : DACE250916003RF004

FCC ID : 2BS3W-WKCT16

Applicant's Name : Nanjing Jiahao Technology Co., Ltd

Address : 120 Su Yuan Avenue, Jiangning District, Nanjing City, Jiangsu Province

Testing Laboratory : Shenzhen DACE Testing Technology Co., Ltd.

Address : 102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park,
Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen,
Guangdong, China

Test Specification Standard : 47 CFR Part 15E

Date of Receipt : September 16, 2025

Date of Test : September 16, 2025 to October 16, 2025

Data of Issue : October 16, 2025

Result : Pass

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Apply for company information

Applicant's Name	:	Nanjing Jiahao Technology Co., Ltd
Address	:	120 Su Yuan Avenue, Jiangning District, Nanjing City, Jiangsu Province
Product Name	:	WIFI+BT Module
Test Model(s)	:	WKCT16R2501
Series Model(s)	:	N/A
Test Specification Standard(s)	:	47 CFR Part 15E

NOTE1:

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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October 16, 2025

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October 16, 2025

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October 16, 2025

Revision History Of Report

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1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15E: Unlicensed National Information Infrastructure Devices

1.2 Summary of Test Result

Item	Standard	Method	Requirement	Result
Duty Cycle	47 CFR Part 15E	ANSI C63.10-2020 section 12.2 (b)		Pass
Emission bandwidth and occupied bandwidth	47 CFR Part 15E	ANSI C63.10-2020, section 6.9 & 12.5 KDB 789033 D02, Clause C.2	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. 47 CFR Part 15.407(e)	Pass
Maximum conducted output power	47 CFR Part 15E	ANSI C63.10-2020, section 12.4	47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(2) 47 CFR Part 15.407(a)(3)(i)	Pass
Power spectral density	47 CFR Part 15E	ANSI C63.10-2020, section 12.6	47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(2) 47 CFR Part 15.407(a)(3)(i)	Pass
Frequency stability	47 CFR Part 15E	ANSI C63.10-2020, section 6.8	47 CFR Part 15.407(g)	Pass
Channel Move Time, Channel Closing Transmission Time	47 CFR Part 15E	KDB 905462 D02, Clause 7.8.3	47 CFR Part 15.407(h)(2)(iii)	Pass
Non-Occupancy Period Test	47 CFR Part 15E	KDB 905462 D02, Clause 7.8.3	47 CFR Part 15.407(h)(2)(iv)	Pass
DFS Detection Thresholds	47 CFR Part 15E	KDB 905462 D02, Clause 7.4.1.1	KDB 905462 D02, Clause 5.2 Table 3	Pass
Band edge emissions (Conducted)	47 CFR Part 15E	ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(2) 47 CFR Part 15.407(b)(3) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)	Pass
Band edge emissions (Radiated)	47 CFR Part 15E	ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(2) 47 CFR Part 15.407(b)(3) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)	Pass
Undesirable emission limits (below 1GHz)	47 CFR Part 15E	ANSI C63.10-2020, section 12.7.4, 12.7.5	47 CFR Part 15.407(b)(9)	Pass
Undesirable emission limits (above 1GHz)	47 CFR Part 15E	ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(2) 47 CFR Part 15.407(b)(3) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)	Pass

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name : Nanjing Jiahao Technology Co., Ltd
Address : 120 Su Yuan Avenue, Jiangning District, Nanjing City, Jiangsu Province

Manufacturer : Nanjing Jiahao Technology Co., Ltd
Address : 120 Su Yuan Avenue, Jiangning District, Nanjing City, Jiangsu Province

2.2 Description of Device (EUT)

Product Name:	WIFI+BT Module
Model/Type reference:	WKCT16R2501
Series Model:	N/A
Trade Mark:	N/A
Power Supply:	VCC:3.3V
Operation Frequency:	802.11a/n(HT20)/ac(HT20): U-NII Band 1: 5180MHz to 5240MHz; U-NII Band 2A: 5260MHz to 5320MHz; U-NII Band 2C: 5500MHz to 5700MHz; U-NII Band 3: 5745MHz to 5825MHz; 802.11n(HT40)/ac(HT40): U-NII Band 1: 5190MHz to 5230MHz; U-NII Band 2A: 5270MHz to 5310MHz; U-NII Band 2C: 5510MHz to 5670MHz; U-NII Band 3: 5755MHz to 5795MHz; 802.11ac(HT80): U-NII Band 1: 5210MHz; U-NII Band 2A: 5290MHz; U-NII Band 2C: 5530MHz to 5610MHz; U-NII Band 3: 5775MHz
Number of Channels:	802.11a/n(HT20)/ac(HT20): U-NII Band 1: 4; U-NII Band 2A: 4; U-NII Band 2C: 11; U-NII Band 3: 5; 802.11n(HT40)/ac(HT40): U-NII Band 1: 2; U-NII Band 2A: 2; U-NII Band 2C: 5; U-NII Band 3: 2; 802.11ac(HT80): U-NII Band 1: 1; U-NII Band 2A: 1; U-NII Band 2C: 2; U-NII Band 3: 1
Modulation Type:	802.11a: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM);
Antenna Type:	PCB
Antenna Gain:	Antenna1:5.03dBi;Antenna2:5.13dBi

Hardware Version:	V1.0
Software Version:	V1.0

Remark: The Antenna Gain is supplied by the customer. DACE is not responsible for this data and the related calculations associated with it

Operation Frequency each of channel

802.11a/n(HT20)/ac(HT20)/ax(HT20)

	U-NII Band 1	U-NII Band 2	U-NII Band 3	U-NII Band 4
Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
1	5180	5260	5500	5745
2	5200	5280	5520	5765
3	5220	5300	5540	5785
4	5240	5320	5560	5805
5	/	/	5580	5825
6	/	/	5600	/
7	/	/	5620	/
8	/	/	5640	/
9	/	/	5660	/
10	/	/	5680	/
11	/	/	5700	/

802.11n(HT40)/ac(HT40)/ax(HT40)

	U-NII Band 1	U-NII Band 2	U-NII Band 3	U-NII Band 4
Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
1	5190	5270	5510	5755
2	5230	5310	5550	5795
3	/	/	5590	/
4	/	/	5630	/
5	/	/	5670	/

802.11ac(HT80)/ax(HT80)

	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
Channel	Frequency	Frequency	Frequency	Frequency
1	5210	5290	5530	5775
2	/	/	5610	/
3	/	/	5690	/

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

802.11a/n(HT20)/ac(HT20)/ax(HT20)				
	U-NII Band 1	U-NII Band 2	U-NII Band 3	U-NII Band 4
Test channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
Lowest channel	5180 MHz	5260	5500	5745 MHz
Middle channel	5200 MHz	5300	5600	5785 MHz
Highest channel	5240 MHz	5320	5700	5825 MHz

802.11n(HT40)/ac(HT40)/ax(HT40)				
	U-NII Band 1	U-NII Band 2	U-NII Band 3	U-NII Band 4
Test channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
Lowest channel	5190 MHz	5270	5510	5755 MHz
Middle channel	5230 MHz	5310	5590	5795 MHz
Highest channel			5670	

802.11ac(HT80)/ax(HT80)				
	U-NII Band 1	U-NII Band 2	U-NII Band 3	U-NII Band 4
Test channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
Lowest channel	5210 MHz	5290	5530	5775 MHz
Middle channel			5610	

2.3 Description of Test Modes

No	Title	Description
TM1	802.11a mode	Keep the EUT in continuously transmitting mode with 802.11a modulation type at lowest, middle and highest channel. All data rates has been tested and found the data rate @ 6Mbps is the worst case. Only the data of worst case is recorded in the report.
TM2	802.11n mode	Keep the EUT in continuously transmitting mode with 802.11n modulation type at lowest, middle and highest channel. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
TM3	802.11ac mode	Keep the EUT in continuously transmitting mode with 802.11ac modulation type at lowest, middle and highest channel. All bandwidth and data rates has been tested and found the data rate @ MCS0 is the worst case. Only the data of worst case is recorded in the report.
TM4	Normal Operating	Keep the EUT works in normal operating mode and connect to companion device

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
PC	HP	TPC-W032-SF	N/A
Wireless Router	FiberHome	SR120-A	FCC ID:2AV2N-SR120A

2.5 Equipments Used During The Test

Power spectral density
Channel Move Time, Channel Closing Transmission Time
DFS Detection Thresholds
Band edge emissions (Conducted)
Duty Cycle
Emission bandwidth and occupied bandwidth
Maximum conducted output power
Frequency stability
Non-Occupancy Period Test

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RF Test Software	Tachoy Information Technology(shenzhen) Co.,Ltd.	RTS-01	V1.0.0	/	/
Power divider	MIDEWEST	PWD-2533	SMA-79	2025-04-18	2026-05-10
RF Sensor Unit	Tachoy Information Technology(shenzhen) Co.,Ltd.	TR1029-2	000001	/	/
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24
Vector Signal Generator	Keysight	N5181A	MY50143455	2024-12-06	2025-12-05
Signal Generator	Keysight	N5182A	MY48180415	2024-12-06	2025-12-05
Spectrum Analyzer	Keysight	N9020A	MY53420323	2024-12-06	2025-12-05
Spectrum Analyzer	Keysight	N9020A	MY55338111	2025-09-16	2026-09-15
Power meter	Agilent	E4416	MY48200166	2024-12-06	2025-12-05

Band edge emissions (Radiated)**Undesirable emission limits (below 1GHz)****Undesirable emission limits (above 1GHz)**

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test software	Farad	EZ -EMC	V1.1.42	/	/
Positioning Controller	MF	MF-7802	/	/	/
Amplifier(18-40G)	COM-POWER	AH-1840	10100008-1	2024-04-26	2027-04-25
Horn antenna	COM-POWER	AH-1840 (18-40G)	10100008	2024-04-26	2027-04-25
Loop antenna	ZHINAN	ZN30900C	ZN30900C	2025-04-28	2026-04-27
Cable(LF)#2	Schwarzbeck	/	/	2024-12-19	2025-12-18
Cable(LF)#1	Schwarzbeck	/	/	2024-12-19	2025-12-18
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2025-04-25	2026-04-24
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	/	2025-04-25	2026-04-24
Power amplifier(LF)	Schwarzbeck	BBV9743	9743-151	2025-04-29	2026-04-28
Power amplifier(HF)	Schwarzbeck	BBV9718	9718-282	2025-04-29	2026-04-28
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24
Spectrum Analyzer	R&S	FSP30	1321.3008K40-101729-jR	2025-04-18	2026-04-17
Test Receiver	R&S	ESCI 3	1166.5950K03-101431-Jq	2025-04-18	2026-04-17
Horn Antenna	Sunol Sciences	DRH-118	A091114	2025-04-21	2026-04-20
Broadband Antenna	Sunol Sciences	JB6 Antenna	A090414	2024-09-28	2026-09-27

2.6 Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty
Duty cycle	$\pm 3.1\%$
Occupied Bandwidth	$\pm 3.63\%$
RF conducted power	$\pm 0.733\text{dB}$
RF power density	$\pm 0.234\%$
Conducted Spurious emissions	$\pm 1.98\text{dB}$
Radiated Emission (Above 1GHz)	$\pm 5.46\text{dB}$
Radiated Emission (Below 1GHz)	$\pm 5.79\text{dB}$
Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

2.7 Identification of Testing Laboratory

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	101-102 Building H5 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyao, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252

Identification of the Responsible Testing Location

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	101-102 Building H5 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyao, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
Designation Number:	CN1342
Test Firm Registration Number:	778666
A2LA Certificate Number:	6270.01

2.8 Announcement

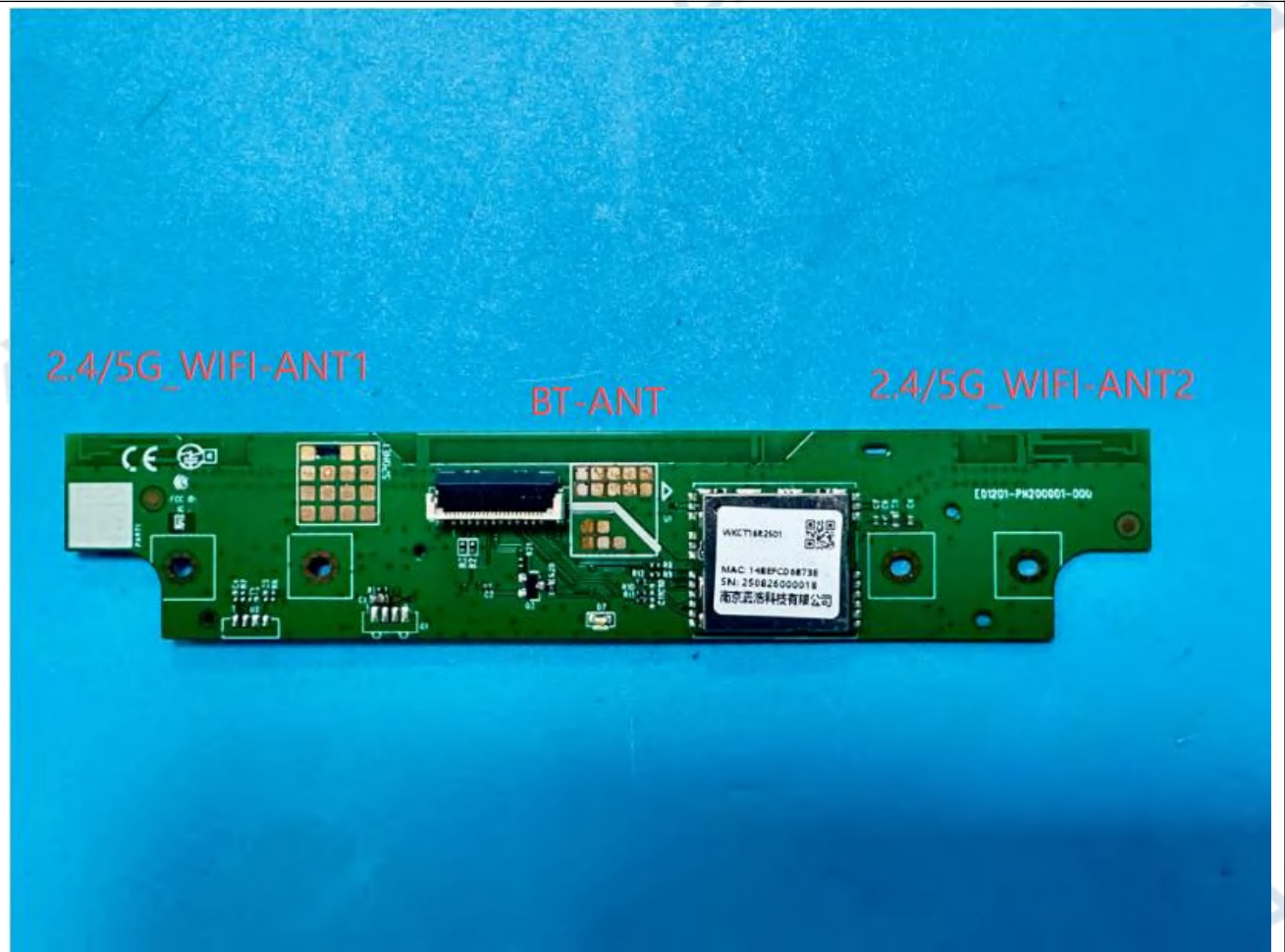
- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by DACE and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

3 Evaluation Results (Evaluation)

3.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 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 an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.
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3.1.1 Conclusion:



4 Radio Spectrum Matter Test Results (RF)

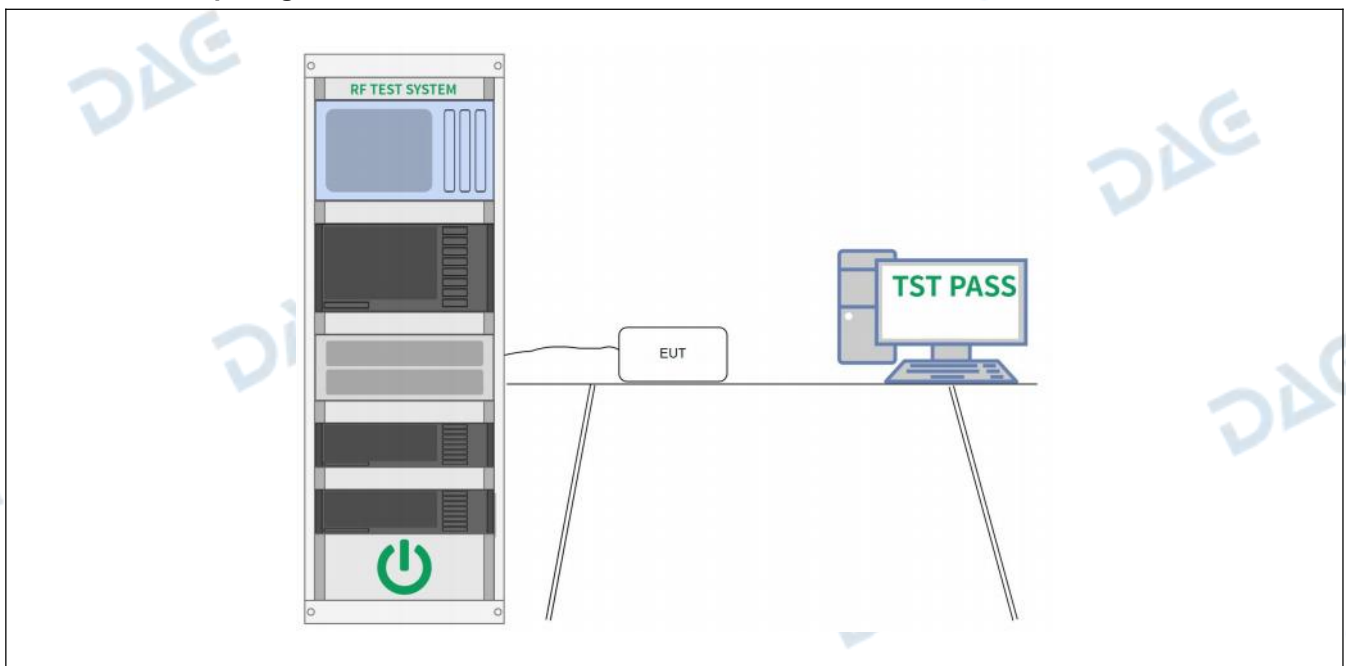
4.1 Duty Cycle

Test Requirement:	All measurements are to be performed with the EUT transmitting at 100% duty cycle at its maximum power control level; however, if 100% duty cycle cannot be achieved, measurements of duty cycle, x, and maximum-power transmission duration, T, are required for each tested mode of operation.
Test Limit:	No limits, only for report use.
Test Method:	ANSI C63.10-2020 section 12.2 (b)
Procedure:	i) Set the center frequency of the instrument to the center frequency of the transmission. ii) Set RBW $\geq$ EBW if possible; otherwise, set RBW to the largest available value. iii) Set VBW $\geq$ RBW. iv) Set detector = peak. v) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$, where T is defined in item a1) of 12.2, and the number of sweep points across duration T exceeds 100.

4.1.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.7 °C	Humidity:	53 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

4.1.2 Test Setup Diagram:



4.1.3 Test Data:

Please Refer to Appendix for Details.

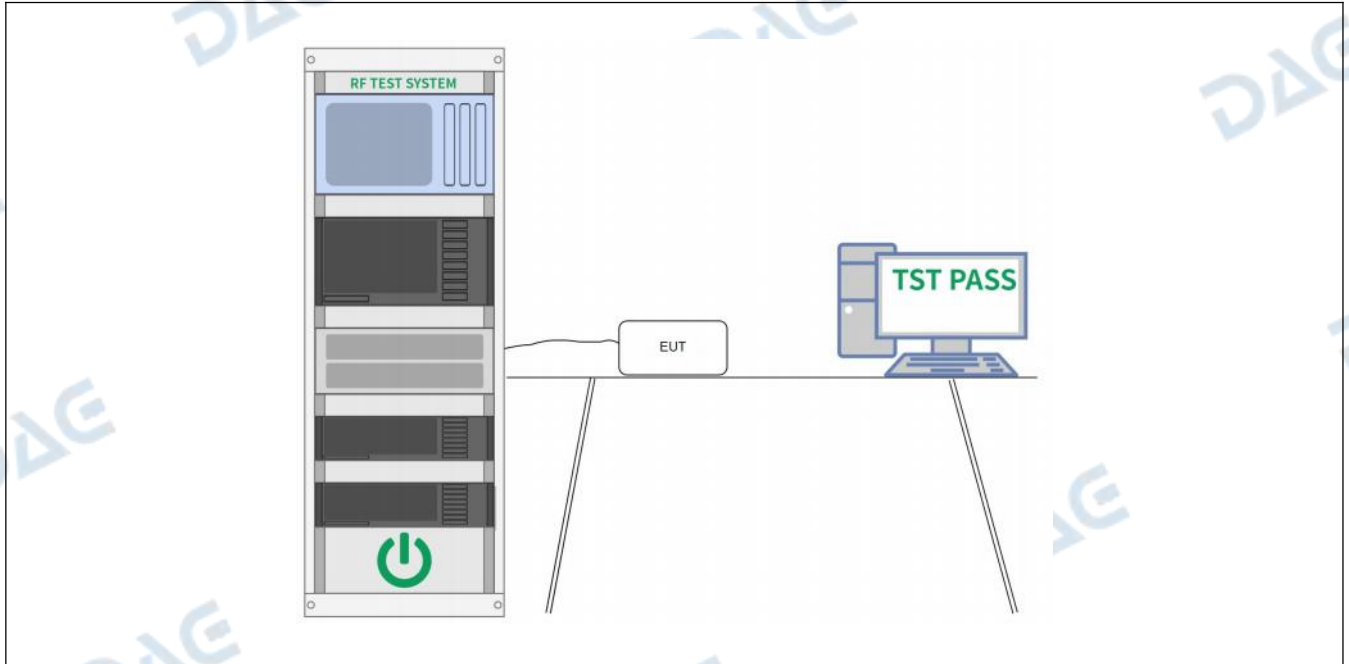
4.2 Emission bandwidth and occupied bandwidth

Test Requirement:	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. U-NII 3, U-NII 4: 47 CFR Part 15.407(e)
Test Limit:	U-NII 1, U-NII 2A, U-NII 2C: No limits, only for report use. U-NII 3, U-NII 4: Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.
Test Method:	ANSI C63.10-2020, section 6.9 & 12.5 KDB 789033 D02, Clause C.2
Procedure:	Emission bandwidth: - Set RBW = approximately 1% of the emission bandwidth. - Set the VBW > RBW. - Detector = peak. - Trace mode = max hold. - Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%. Occupied bandwidth: - The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW. - The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement. - Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2. - Step a) through step c) might require iteration to adjust within the specified range. - Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used. - Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth. - If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies. - The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s). 6 dB emission bandwidth: - Set RBW = 100 kHz. - Set the video bandwidth (VBW) $\geq 3 \times$ RBW. - Detector = Peak. - Trace mode = max hold. - Sweep = auto couple. - Allow the trace to stabilize. - Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.2 °C	Humidity:	50 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

4.2.2 Test Setup Diagram:



4.2.3 Test Data:

Please Refer to Appendix for Details.

4.3 Maximum conducted output power

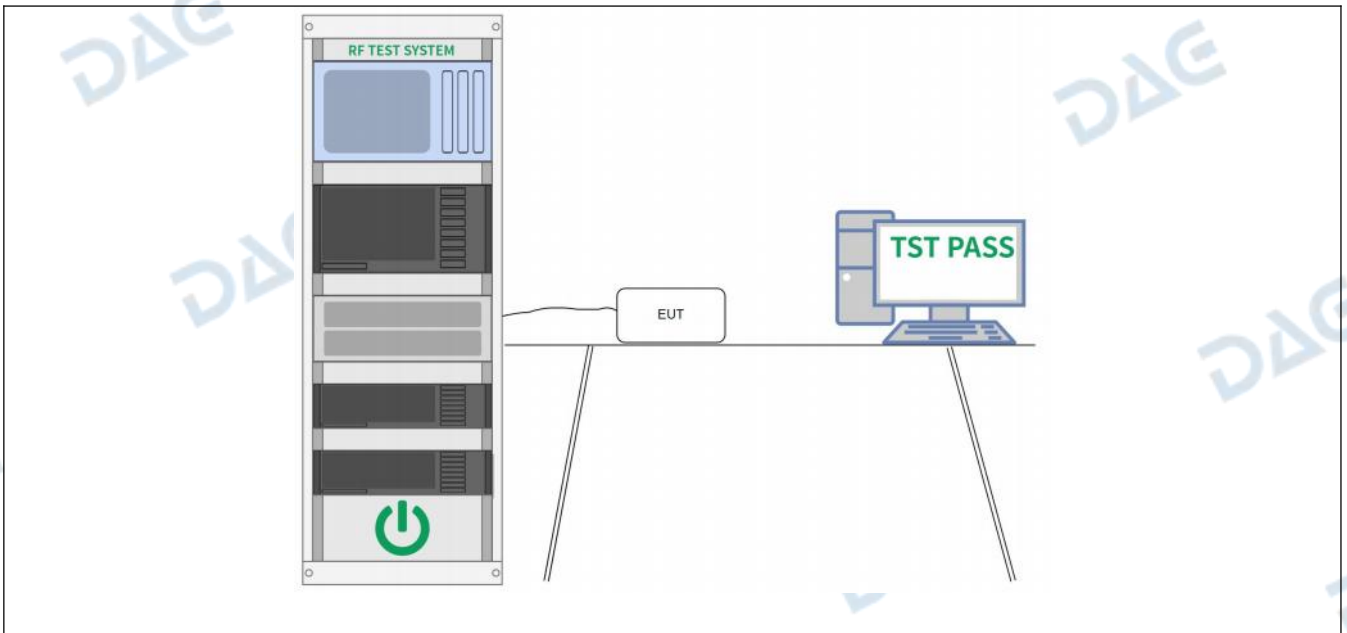
Test Requirement:	47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(2) 47 CFR Part 15.407(a)(3)(i)
Test Limit:	For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. 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. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power 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 colocated 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.
Test Method:	ANSI C63.10-2020, section 12.4
Procedure:	Refer to ANSI C63.10-2020 section 12.4

4.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.5 °C	Humidity:	47 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

4.3.2 Test Setup Diagram:

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4.3.3 Test Data:

Please Refer to Appendix for Details.

4.4 Power spectral density

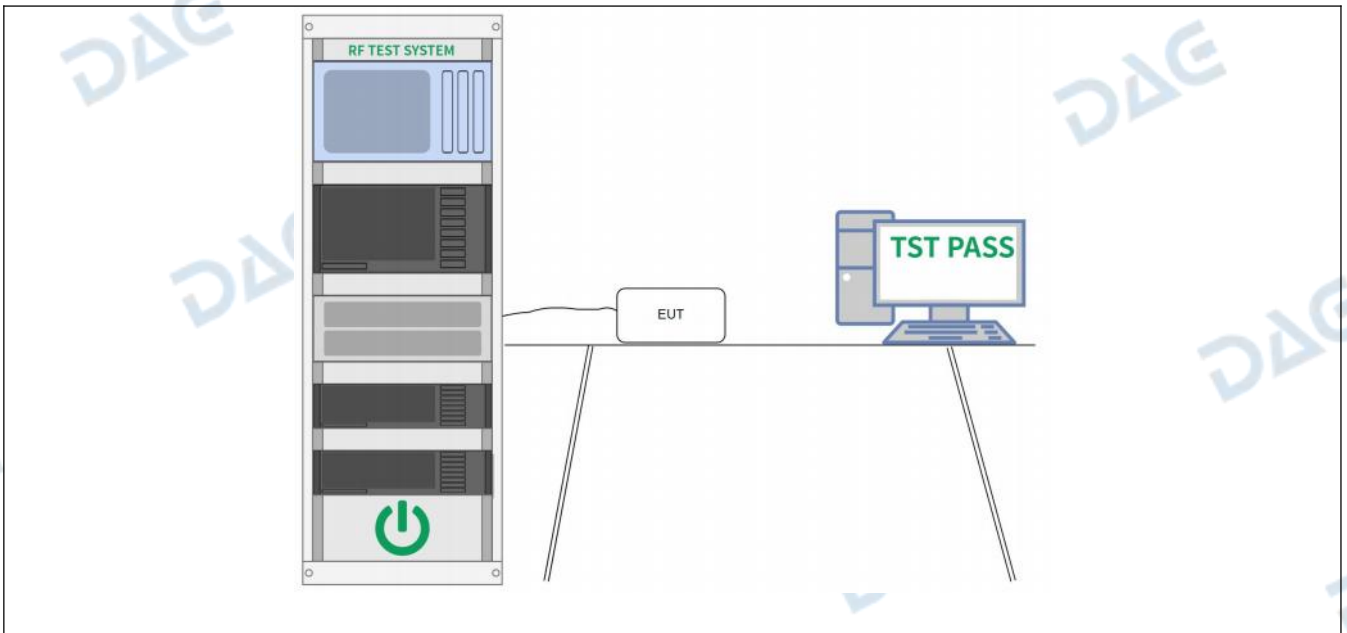
Test Requirement:	47 CFR Part 15.407(a)(1)(iv) 47 CFR Part 15.407(a)(2) 47 CFR Part 15.407(a)(3)(i)
Test Limit:	For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, 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, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. For the band 5.725-5.850 GHz, 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, 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.
Test Method:	ANSI C63.10-2020, section 12.6
Procedure:	Refer to ANSI C63.10-2020, section 12.6

4.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.7 °C	Humidity:	53 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

4.4.2 Test Setup Diagram:

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4.4.3 Test Data:

Please Refer to Appendix for Details.

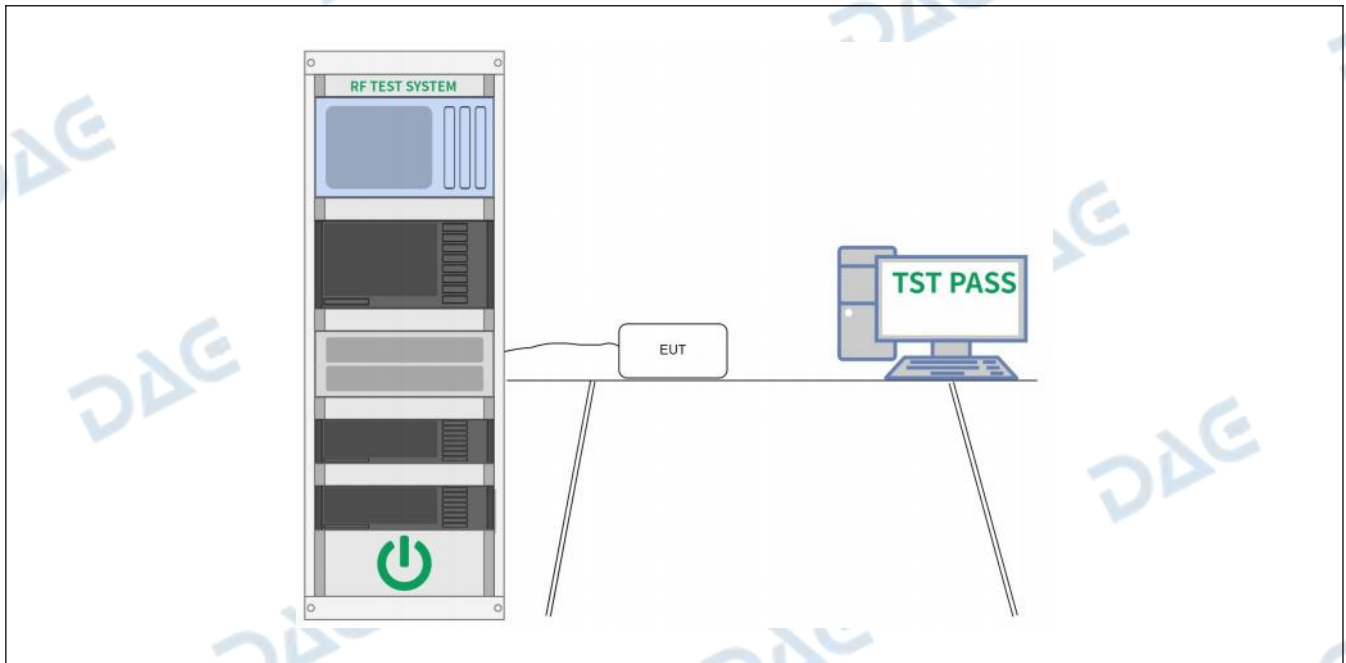
4.5 Frequency stability

Test Requirement:	47 CFR Part 15.407(g)
Test Limit:	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.
Test Method:	ANSI C63.10-2020, section 6.8
Procedure:	Refer to ANSI C63.10-2020 section 6.8

4.5.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.9 °C	Humidity:	46 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

4.5.2 Test Setup Diagram:

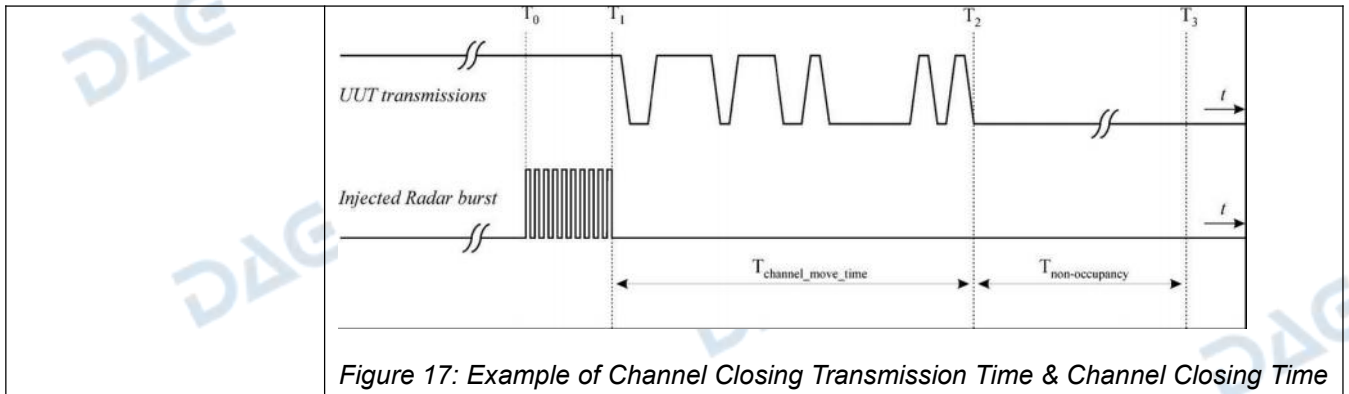


4.5.3 Test Data:

Please Refer to Appendix for Details.

4.6 Channel Move Time, Channel Closing Transmission Time

Test Requirement:	47 CFR Part 15.407(h)(2)(iii)
Test Limit:	Channel Move Time: within 10 seconds Channel Closing Transmission Time: 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. (The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.)
Test Method:	KDB 905462 D02, Clause 7.8.3
Procedure:	The steps below define the procedure to determine the above-mentioned parameters when a radar <i>Burst</i> with a level equal to the <i>DFS Detection Threshold</i> + 1dB is generated on the <i>Operating Channel</i> of the U-NII device (<i>In-Service Monitoring</i>). - One frequency will be chosen from the <i>Operating Channels</i> of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected. - In case the UUT is a U-NII device operating as a <i>Client Device</i> (with or without DFS), a U-NII device operating as a <i>Master Device</i> will be used to allow the UUT (Client device) to <i>Associate</i> with the <i>Master Device</i>. In case the UUT is a <i>Master Device</i>, a U-NII device operating as a <i>Client Device</i> will be used and it is assumed that the Client will <i>Associate</i> with the UUT (Master). In both cases for conducted tests, the <i>Radar Waveform</i> generator will be connected to the <i>Master Device</i>. For radiated tests, the emissions of the <i>Radar Waveform</i> generator will be directed towards the <i>Master Device</i>. If the <i>Master Device</i> has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing. - Stream the channel loading test file from the <i>Master Device</i> to the <i>Client Device</i> on the test <i>Channel</i> for the entire period of the test. - At time T0 the <i>Radar Waveform</i> generator sends a <i>Burst</i> of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the <i>Operating Channel</i>. An additional 1 dB is added to the radar test signal to ensure it is at or above the <i>DFS Detection Threshold</i>, accounting for equipment variations/errors. - Observe the transmissions of the UUT at the end of the radar <i>Burst</i> on the <i>Operating Channel</i> for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (<i>Channel Move Time</i>). Measure and record the <i>Channel Move Time</i> and <i>Channel Closing Transmission Time</i> if radar detection occurs. Figure 17 illustrates <i>Channel Closing Transmission Time</i>. - When operating as a <i>Master Device</i>, monitor the UUT for more than 30 minutes following instant T2 to verify that the UUT does not resume any transmissions on this <i>Channel</i>. Perform this test once and record the measurement result. - In case the UUT is a U-NII device operating as a <i>Client Device</i> with <i>In-Service Monitoring</i>, perform steps 1 to 6.

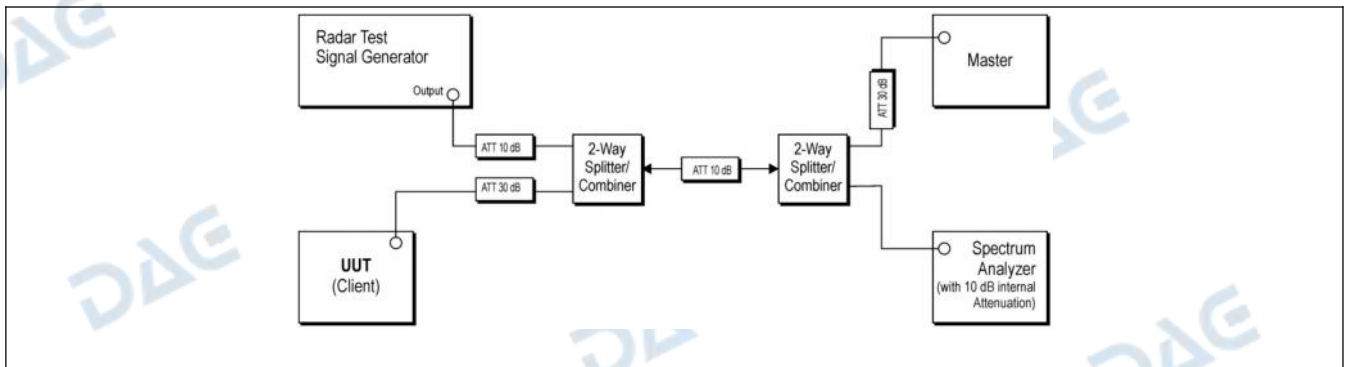


4.6.1 E.U.T. Operation:

Operating Environment:

Temperature:	23.4 °C	Humidity:	48 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM4				
Final test mode:	TM4				

4.6.2 Test Setup Diagram:



4.6.3 Test Data:

Please Refer to Appendix for Details.

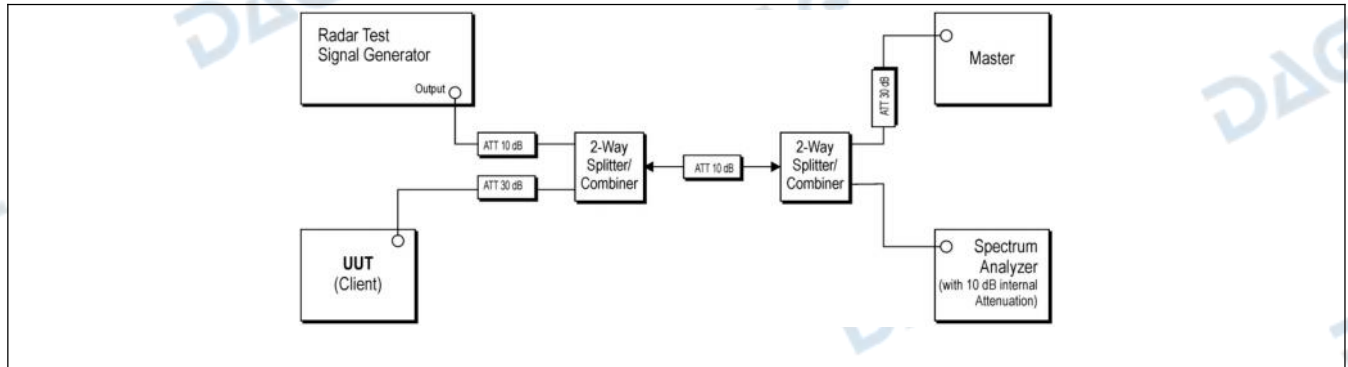
4.7 Non-Occupancy Period Test

Test Requirement:	47 CFR Part 15.407(h)(2)(iv)
Test Limit:	A channel that has been flagged as containing a radar system, either by a channel availability check or in-service monitoring, is subject to a non-occupancy period of at least 30 minutes. The non-occupancy period starts at the time when the radar system is detected.
Test Method:	KDB 905462 D02, Clause 7.8.3
Procedure:	The steps below define the procedure to determine the above-mentioned parameters when a radar <i>Burst</i> with a level equal to the <i>DFS Detection Threshold</i> + 1dB is generated on the <i>Operating Channel</i> of the U-NII device (<i>In-Service Monitoring</i>). - One frequency will be chosen from the <i>Operating Channels</i> of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected. - In case the UUT is a U-NII device operating as a <i>Client Device</i> (with or without DFS), a U-NII device operating as a <i>Master Device</i> will be used to allow the UUT (Client device) to <i>Associate</i> with the <i>Master Device</i>. In case the UUT is a <i>Master Device</i>, a U-NII device operating as a <i>Client Device</i> will be used and it is assumed that the Client will <i>Associate</i> with the UUT (Master). In both cases for conducted tests, the <i>Radar Waveform</i> generator will be connected to the <i>Master Device</i>. For radiated tests, the emissions of the <i>Radar Waveform</i> generator will be directed towards the <i>Master Device</i>. If the <i>Master Device</i> has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing. - Stream the channel loading test file from the <i>Master Device</i> to the <i>Client Device</i> on the test <i>Channel</i> for the entire period of the test. - At time T_0 the <i>Radar Waveform</i> generator sends a <i>Burst</i> of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the <i>Operating Channel</i>. An additional 1 dB is added to the radar test signal to ensure it is at or above the <i>DFS Detection Threshold</i>, accounting for equipment variations/errors. - Observe the transmissions of the UUT at the end of the radar <i>Burst</i> on the <i>Operating Channel</i> for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (<i>Channel Move Time</i>). Measure and record the <i>Channel Move Time</i> and <i>Channel Closing Transmission Time</i> if radar detection occurs. Figure 17 illustrates <i>Channel Closing Transmission Time</i>. - When operating as a <i>Master Device</i>, monitor the UUT for more than 30 minutes following instant T_2 to verify that the UUT does not resume any transmissions on this <i>Channel</i>. Perform this test once and record the measurement result. - In case the UUT is a U-NII device operating as a <i>Client Device</i> with <i>In-Service Monitoring</i>, perform steps 1 to 6. Figure 17: Example of Channel Closing Transmission Time & Channel Closing Time

4.7.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.7 °C	Humidity:	46 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM4				
Final test mode:	TM4				

4.7.2 Test Setup Diagram:



4.7.3 Test Data:

Please Refer to Appendix for Details.

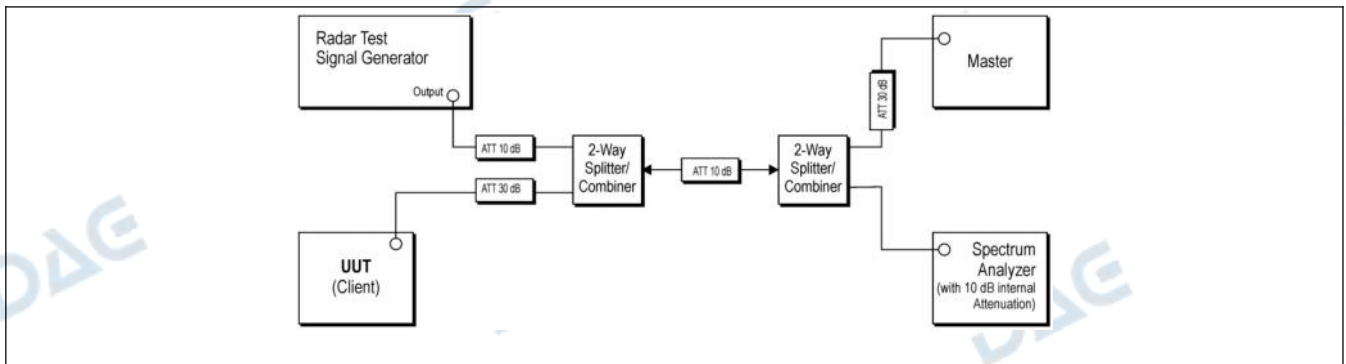
4.8 DFS Detection Thresholds

Test Requirement:	KDB 905462 D02, Clause 5.2 Table 3								
Test Limit:	Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection <table> <tr> <th>Maximum Transmit Power</th><th>Value (See Notes 1, 2, and 3)</th></tr> <tr> <td>EIRP $\geq$ 200 milliwatt</td><td>-64 dBm</td></tr> <tr> <td>EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz</td><td>-62 dBm</td></tr> <tr> <td>EIRP < 200 milliwatt that do not meet the power spectral density requirement</td><td>-64 dBm</td></tr> </table> Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	Maximum Transmit Power	Value (See Notes 1, 2, and 3)	EIRP $\geq$ 200 milliwatt	-64 dBm	EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm	EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Maximum Transmit Power	Value (See Notes 1, 2, and 3)								
EIRP $\geq$ 200 milliwatt	-64 dBm								
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm								
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm								
Test Method:	KDB 905462 D02, Clause 7.4.1.1								
Procedure:	1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master 2) The interference Radar Detection Threshold Level is TH+ 0dBi +1dB that had been taken into account the output power range and antenna gain. 3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process, there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB. 4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was TH + 0dBi +1dB = -63dBm. Capture the spectrum analyzer plots on short pulse radar waveform. Note: TH=-64 dBm or -62 dBm								

4.8.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.8 °C	Humidity:	48 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM4				
Final test mode:	TM4				

4.8.2 Test Setup Diagram:



4.8.3 Test Data:

Please Refer to Appendix for Details.

4.9 Band edge emissions (Conducted)

Test Requirement:	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(2) 47 CFR Part 15.407(b)(3) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)																																																																											
Test Limit:	For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. <table><tr><th>MHz</th><th>MHz</th><th>MHz</th><th>GHz</th></tr><tr><td>0.090-0.110</td><td>16.42-16.423</td><td>399.9-410</td><td>4.5-5.15</td></tr><tr><td>¹ 0.495-0.505</td><td>16.69475-16.69525</td><td>608-614</td><td>5.35-5.46</td></tr><tr><td>2.1735-2.1905</td><td>16.80425-16.80475</td><td>960-1240</td><td>7.25-7.75</td></tr><tr><td>4.125-4.128</td><td>25.5-25.67</td><td>1300-1427</td><td>8.025-8.5</td></tr><tr><td>4.17725-4.17775</td><td>37.5-38.25</td><td>1435-1626.5</td><td>9.0-9.2</td></tr><tr><td>4.20725-4.20775</td><td>73-74.6</td><td>1645.5-1646.5</td><td>9.3-9.5</td></tr><tr><td>6.215-6.218</td><td>74.8-75.2</td><td>1660-1710</td><td>10.6-12.7</td></tr><tr><td>6.26775-6.26825</td><td>108-121.94</td><td>1718.8-1722.2</td><td>13.25-13.4</td></tr><tr><td>6.31175-6.31225</td><td>123-138</td><td>2200-2300</td><td>14.47-14.5</td></tr><tr><td>8.291-8.294</td><td>149.9-150.05</td><td>2310-2390</td><td>15.35-16.2</td></tr><tr><td>8.362-8.366</td><td>156.52475-156.52525</td><td>2483.5-2500</td><td>17.7-21.4</td></tr><tr><td>8.37625-8.38675</td><td>156.7-156.9</td><td>2690-2900</td><td>22.01-23.12</td></tr><tr><td>8.41425-8.41475</td><td>162.0125-167.17</td><td>3260-3267</td><td>23.6-24.0</td></tr><tr><td>12.29-12.293</td><td>167.72-173.2</td><td>3332-3339</td><td>31.2-31.8</td></tr><tr><td>12.51975-12.52025</td><td>240-285</td><td>3345.8-3358</td><td>36.43-36.5</td></tr><tr><td>12.57675-12.57725</td><td>322-335.4</td><td>3600-4400</td><td>(²)</td></tr><tr><td>13.36-13.41</td><td></td><td></td><td></td></tr></table> ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ² Above 38.6 The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in § 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in § 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in § 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in § 15.35 apply to these measurements. Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:				MHz	MHz	MHz	GHz	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4	6.31175-6.31225	123-138	2200-2300	14.47-14.5	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	12.57675-12.57725	322-335.4	3600-4400	(²)	13.36-13.41			
MHz	MHz	MHz	GHz																																																																									
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15																																																																									
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46																																																																									
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75																																																																									
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5																																																																									
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2																																																																									
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5																																																																									
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7																																																																									
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4																																																																									
6.31175-6.31225	123-138	2200-2300	14.47-14.5																																																																									
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2																																																																									
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4																																																																									
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12																																																																									
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0																																																																									
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8																																																																									
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5																																																																									
12.57675-12.57725	322-335.4	3600-4400	(²)																																																																									
13.36-13.41																																																																												

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100 **	3
88-216	150 **	3
216-960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Method:	ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7
Procedure:	Above 1GHz: - For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet. - Test the EUT in the lowest channel, the middle channel, the Highest channel. - The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. - Repeat above procedures until all frequencies measured was complete. Remark: - Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor - Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. - As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB

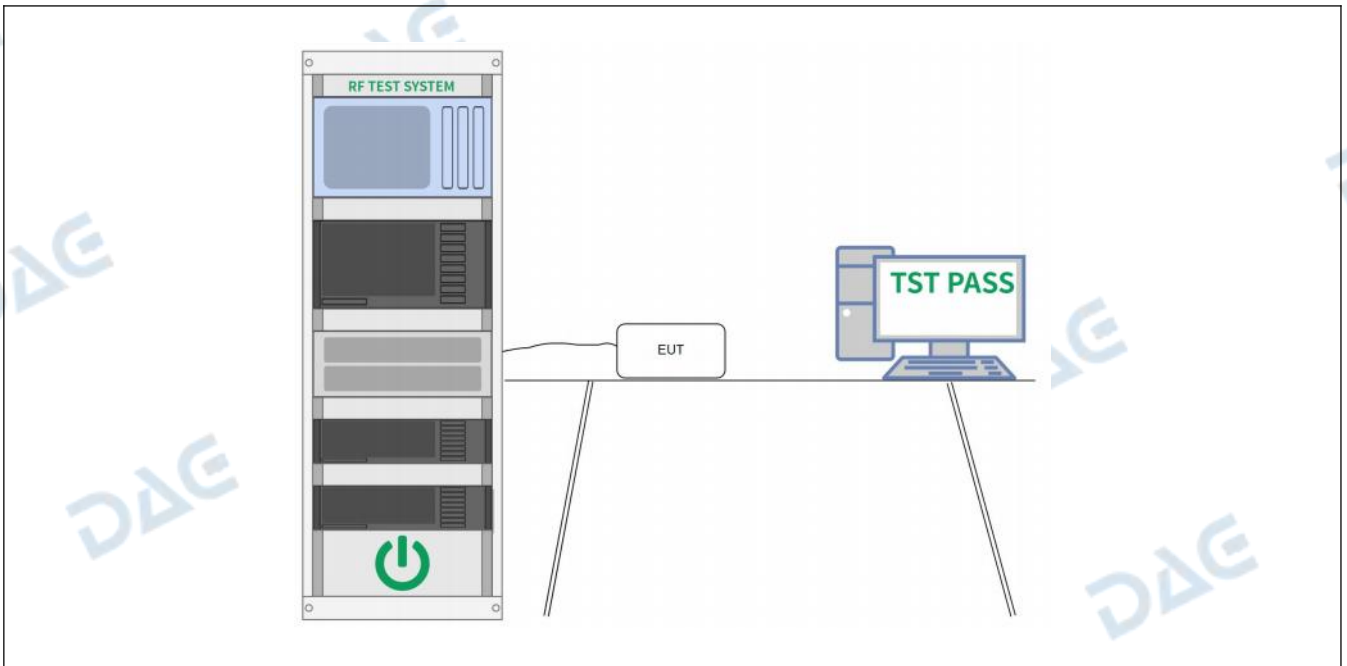
under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

4.9.1 E.U.T. Operation:

Operating Environment:

Temperature:	22.2 °C	Humidity:	54 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

4.9.2 Test Setup Diagram:



4.9.3 Test Data:

Please Refer to Appendix for Details.

4.10 Band edge emissions (Radiated)

Test Requirement:	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(2) 47 CFR Part 15.407(b)(3) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)																																																																								
Test Limit:	For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. <table><tr><th>MHz</th><th>MHz</th><th>MHz</th><th>GHz</th></tr><tr><td>0.090-0.110</td><td>16.42-16.423</td><td>399.9-410</td><td>4.5-5.15</td></tr><tr><td>¹ 0.495-0.505</td><td>16.69475-16.69525</td><td>608-614</td><td>5.35-5.46</td></tr><tr><td>2.1735-2.1905</td><td>16.80425-16.80475</td><td>960-1240</td><td>7.25-7.75</td></tr><tr><td>4.125-4.128</td><td>25.5-25.67</td><td>1300-1427</td><td>8.025-8.5</td></tr><tr><td>4.17725-4.17775</td><td>37.5-38.25</td><td>1435-1626.5</td><td>9.0-9.2</td></tr><tr><td>4.20725-4.20775</td><td>73-74.6</td><td>1645.5-1646.5</td><td>9.3-9.5</td></tr><tr><td>6.215-6.218</td><td>74.8-75.2</td><td>1660-1710</td><td>10.6-12.7</td></tr><tr><td>6.26775-6.26825</td><td>108-121.94</td><td>1718.8-1722.2</td><td>13.25-13.4</td></tr><tr><td>6.31175-6.31225</td><td>123-138</td><td>2200-2300</td><td>14.47-14.5</td></tr><tr><td>8.291-8.294</td><td>149.9-150.05</td><td>2310-2390</td><td>15.35-16.2</td></tr><tr><td>8.362-8.366</td><td>156.52475-156.52525</td><td>2483.5-2500</td><td>17.7-21.4</td></tr><tr><td>8.37625-8.38675</td><td>156.7-156.9</td><td>2690-2900</td><td>22.01-23.12</td></tr><tr><td>8.41425-8.41475</td><td>162.0125-167.17</td><td>3260-3267</td><td>23.6-24.0</td></tr><tr><td>12.29-12.293</td><td>167.72-173.2</td><td>3332-3339</td><td>31.2-31.8</td></tr><tr><td>12.51975-12.52025</td><td>240-285</td><td>3345.8-3358</td><td>36.43-36.5</td></tr><tr><td>12.57675-12.57725</td><td>322-335.4</td><td>3600-4400</td><td>(²)</td></tr><tr><td>13.36-13.41</td><td></td><td></td><td></td></tr></table> ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ² Above 38.6 The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in § 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in § 15.209 shall be demonstrated using	MHz	MHz	MHz	GHz	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4	6.31175-6.31225	123-138	2200-2300	14.47-14.5	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	12.57675-12.57725	322-335.4	3600-4400	(²)	13.36-13.41			
MHz	MHz	MHz	GHz																																																																						
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15																																																																						
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46																																																																						
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4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2																																																																						
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5																																																																						
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7																																																																						
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4																																																																						
6.31175-6.31225	123-138	2200-2300	14.47-14.5																																																																						
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2																																																																						
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12.29-12.293	167.72-173.2	3332-3339	31.2-31.8																																																																						
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5																																																																						
12.57675-12.57725	322-335.4	3600-4400	(²)																																																																						
13.36-13.41																																																																									

measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in § 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in § 15.35 apply to these measurements.

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100 **	3
88-216	150 **	3
216-960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Method: ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7

Procedure:

Above 1GHz:

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The

	points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report. 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
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4.10.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.5 °C	Humidity:	54 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

4.10.2 Test Data:

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant1_Low Channel: 5180MHz								
H	5100	49.45	0.16	49.61	74	-24.39	PK	Pass
H	5100	37.76	0.16	37.92	54	-16.08	AV	Pass
H	5150	47.90	0.25	48.15	74	-25.85	PK	Pass
H	5150	38.55	0.25	38.80	54	-15.20	AV	Pass
V	5100	49.02	0.16	49.18	74	-24.82	PK	Pass
V	5100	38.78	0.16	38.94	54	-15.06	AV	Pass
V	5150	47.00	0.25	47.25	74	-26.75	PK	Pass
V	5150	38.65	0.25	38.90	54	-15.10	AV	Pass
802.11a-ant1_High Channel: 5240MHz								
H	5150	56.60	0.16	56.76	74	-17.24	PK	Pass
H	5150	44.03	0.16	44.19	54	-9.81	AV	Pass
H	5350	57.10	0.25	57.35	74	-16.65	PK	Pass
H	5350	43.73	0.25	43.98	54	-10.02	AV	Pass
V	5150	56.99	0.16	57.15	74	-16.85	PK	Pass
V	5150	44.25	0.16	44.41	54	-9.59	AV	Pass
V	5350	57.06	0.25	57.31	74	-16.69	PK	Pass
V	5350	43.57	0.25	43.82	54	-10.18	AV	Pass
802.11a-ant2_Low Channel: 5180MHz								
H	5100	48.46	0.16	48.62	74	-25.38	PK	Pass
H	5100	38.74	0.16	38.90	54	-15.10	AV	Pass
H	5150	47.87	0.25	48.12	74	-25.88	PK	Pass
H	5150	37.79	0.25	38.04	54	-15.96	AV	Pass
V	5100	49.05	0.16	49.21	74	-24.79	PK	Pass
V	5100	39.28	0.16	39.44	54	-14.56	AV	Pass
V	5150	49.33	0.25	49.58	74	-24.42	PK	Pass
V	5150	38.18	0.25	38.43	54	-15.57	AV	Pass
802.11a-ant2_High Channel: 5240MHz								
H	5150	56.04	0.16	56.20	74	-17.80	PK	Pass
H	5150	44.82	0.16	44.98	54	-9.02	AV	Pass
H	5350	57.03	0.25	57.28	74	-16.72	PK	Pass
H	5350	43.79	0.25	44.04	54	-9.96	AV	Pass
V	5150	57.34	0.16	57.50	74	-16.50	PK	Pass
V	5150	44.79	0.16	44.95	54	-9.05	AV	Pass
V	5350	57.34	0.25	57.59	74	-16.41	PK	Pass
V	5350	45.49	0.25	45.74	54	-8.26	AV	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant1_Low Channel: 5260MHz								
H	5150	49.20	0.25	49.45	74	-24.55	PK	Pass
H	5150	38.02	0.25	38.27	54	-15.73	AV	Pass
H	5350	48.56	0.65	49.21	74	-24.79	PK	Pass
H	5350	37.03	0.65	37.68	54	-16.32	AV	Pass
V	5150	48.38	0.25	48.63	74	-25.37	PK	Pass
V	5150	38.30	0.25	38.55	54	-15.45	AV	Pass
V	5350	48.62	0.65	49.27	74	-24.73	PK	Pass
V	5350	38.20	0.65	38.85	54	-15.15	AV	Pass
802.11a-ant1_High Channel: 5320MHz								
H	5350	58.36	0.65	59.01	74	-14.99	PK	Pass
H	5350	45.47	0.65	46.12	54	-7.88	AV	Pass
H	5460	56.80	0.71	57.51	74	-16.49	PK	Pass
H	5460	44.77	0.71	45.48	54	-8.52	AV	Pass
V	5350	56.81	0.65	57.46	74	-16.54	PK	Pass
V	5350	44.57	0.65	45.22	54	-8.78	AV	Pass
V	5460	56.87	0.71	57.58	74	-16.42	PK	Pass
V	5460	43.05	0.71	43.76	54	-10.24	AV	Pass
802.11a-ant2_Low Channel: 5260MHz								
H	5150	47.07	0.25	47.32	74	-26.68	PK	Pass
H	5150	38.42	0.25	38.67	54	-15.33	AV	Pass
H	5350	49.13	0.65	49.78	74	-24.22	PK	Pass
H	5350	37.74	0.65	38.39	54	-15.61	AV	Pass
V	5150	47.21	0.25	47.46	74	-26.54	PK	Pass
V	5150	37.83	0.25	38.08	54	-15.92	AV	Pass
V	5350	48.75	0.65	49.40	74	-24.60	PK	Pass
V	5350	39.25	0.65	39.90	54	-14.10	AV	Pass
802.11a-ant2_High Channel: 5320MHz								
H	5350	57.70	0.65	58.35	74	-15.65	PK	Pass
H	5350	45.47	0.65	46.12	54	-7.88	AV	Pass
H	5460	56.18	0.71	56.89	74	-17.11	PK	Pass
H	5460	44.06	0.71	44.77	54	-9.23	AV	Pass
V	5350	56.17	0.65	56.82	74	-17.18	PK	Pass
V	5350	44.41	0.65	45.06	54	-8.94	AV	Pass
V	5460	57.74	0.71	58.45	74	-15.55	PK	Pass
V	5460	44.14	0.71	44.85	54	-9.15	AV	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant1_Low Channel: 5500MHz								
H	5460	49.36	0.71	50.07	74	-23.93	PK	Pass
H	5460	39.29	0.71	40.00	54	-14.00	AV	Pass
H	5470	47.70	0.79	48.49	74	-25.51	PK	Pass
H	5470	39.31	0.79	40.10	54	-13.90	AV	Pass
V	5460	48.54	0.71	49.25	74	-24.75	PK	Pass
V	5460	38.50	0.71	39.21	54	-14.79	AV	Pass
V	5470	48.56	0.79	49.35	74	-24.65	PK	Pass
V	5470	38.36	0.79	39.15	54	-14.85	AV	Pass
802.11a-ant1_High Channel: 5700MHz								
H	5725	58.15	1.17	59.32	68.2	-8.88	PK	Pass
H	5725	44.14	1.17	45.31	68.2	-22.89	PK	Pass
V	5725	58.50	1.17	59.67	68.2	-8.53	PK	Pass
V	5725	44.76	1.17	45.93	68.2	-22.27	PK	Pass
802.11a-ant2_Low Channel: 5500MHz								
H	5460	48.49	0.71	49.20	74	-24.80	PK	Pass
H	5460	39.31	0.71	40.02	54	-13.98	AV	Pass
H	5470	47.94	0.79	48.73	74	-25.27	PK	Pass
H	5470	39.42	0.79	40.21	54	-13.79	AV	Pass
V	5460	47.55	0.71	48.26	74	-25.74	PK	Pass
V	5460	37.75	0.71	38.46	54	-15.54	AV	Pass
V	5470	47.18	0.79	47.97	74	-26.03	PK	Pass
V	5470	37.11	0.79	37.90	54	-16.10	AV	Pass
802.11a-ant2_High Channel: 5700MHz								
H	5725	56.68	1.17	57.85	68.2	-10.35	PK	Pass
H	5725	43.96	1.17	45.13	68.2	-23.07	PK	Pass
V	5725	58.24	1.17	59.41	68.2	-8.79	PK	Pass
V	5725	43.52	1.17	44.69	68.2	-23.51	PK	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant1_Low Channel: 5745MHz								
H	5647	48.38	0.71	49.09	68.2	-19.11	PK	Pass
H	5725	37.60	1.17	38.77	122.2	-83.43	PK	Pass
V	5647	47.68	0.71	48.39	68.2	-19.81	PK	Pass
V	5725	39.26	1.17	40.43	122.2	-81.77	PK	Pass
802.11a-ant1_High Channel: 5825MHz								
H	5850	49.03	1.33	50.36	122.2	-71.84	PK	Pass
H	5950	37.85	1.39	39.24	68.2	-28.96	PK	Pass

V	5850	47.20	1.33	48.53	122.2	-73.67	PK	Pass
V	5950	37.70	1.39	39.09	68.2	-29.11	PK	Pass
802.11a-ant2_Low Channel: 5745MHz								
H	5647	48.23	0.71	48.94	68.2	-19.26	PK	Pass
H	5725	37.40	1.17	38.57	122.2	-83.63	PK	Pass
V	5647	49.04	0.71	49.75	68.2	-18.45	PK	Pass
V	5725	38.49	1.17	39.66	122.2	-82.54	PK	Pass
802.11a-ant2_High Channel: 5825MHz								
H	5850	47.96	1.33	49.29	122.2	-72.91	PK	Pass
H	5950	37.31	1.39	38.70	68.2	-29.50	PK	Pass
V	5850	48.61	1.33	49.94	122.2	-72.26	PK	Pass
V	5950	37.38	1.39	38.77	68.2	-29.43	PK	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac20-MIMO_Low Channel: 5180MHz								
H	5100	49.02	0.16	49.18	74	-24.82	PK	Pass
H	5100	37.16	0.16	37.32	54	-16.68	AV	Pass
H	5150	48.56	0.25	48.81	74	-25.19	PK	Pass
H	5150	38.30	0.25	38.55	54	-15.45	AV	Pass
V	5100	48.61	0.16	48.77	74	-25.23	PK	Pass
V	5100	38.01	0.16	38.17	54	-15.83	AV	Pass
V	5150	47.99	0.25	48.24	74	-25.76	PK	Pass
V	5150	38.48	0.25	38.73	54	-15.27	AV	Pass
802.11ac20-MIMO_High Channel: 5240MHz								
H	5150	57.82	0.16	57.98	74	-16.02	PK	Pass
H	5150	45.50	0.16	45.66	54	-8.34	AV	Pass
H	5350	57.37	0.25	57.62	74	-16.38	PK	Pass
H	5350	43.67	0.25	43.92	54	-10.08	AV	Pass
V	5150	57.82	0.16	57.98	74	-16.02	PK	Pass
V	5150	44.13	0.16	44.29	54	-9.71	AV	Pass
V	5350	56.59	0.25	56.84	74	-17.16	PK	Pass
V	5350	44.63	0.25	44.88	54	-9.12	AV	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac20-MIMO_Low Channel: 5260MHz								
H	5150	47.62	0.25	47.87	74	-26.13	PK	Pass
H	5150	39.00	0.25	39.25	54	-14.75	AV	Pass
H	5350	48.77	0.65	49.42	74	-24.58	PK	Pass
H	5350	37.44	0.65	38.09	54	-15.91	AV	Pass

V	5150	47.77	0.25	48.02	74	-25.98	PK	Pass
V	5150	37.82	0.25	38.07	54	-15.93	AV	Pass
V	5350	49.57	0.65	50.22	74	-23.78	PK	Pass
V	5350	37.29	0.65	37.94	54	-16.06	AV	Pass
802.11ac20-MIMO_High Channel: 5320MHz								
H	5350	56.95	0.65	57.60	74	-16.40	PK	Pass
H	5350	43.44	0.65	44.09	54	-9.91	AV	Pass
H	5460	57.21	0.71	57.92	74	-16.08	PK	Pass
H	5460	43.19	0.71	43.90	54	-10.10	AV	Pass
V	5350	57.51	0.65	58.16	74	-15.84	PK	Pass
V	5350	43.29	0.65	43.94	54	-10.06	AV	Pass
V	5460	58.00	0.71	58.71	74	-15.29	PK	Pass
V	5460	44.46	0.71	45.17	54	-8.83	AV	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac20-MIMO_Low Channel: 5500MHz								
H	5460	48.66	0.71	49.37	74	-24.63	PK	Pass
H	5460	37.50	0.71	38.21	54	-15.79	AV	Pass
H	5470	48.63	0.79	49.42	74	-24.58	PK	Pass
H	5470	37.06	0.79	37.85	54	-16.15	AV	Pass
V	5460	48.16	0.71	48.87	74	-25.13	PK	Pass
V	5460	39.49	0.71	40.20	54	-13.80	AV	Pass
V	5470	47.58	0.79	48.37	74	-25.63	PK	Pass
V	5470	39.47	0.79	40.26	54	-13.74	AV	Pass
802.11ac20-MIMO_High Channel: 5700MHz								
H	5725	57.72	1.17	58.89	68.2	-9.31	PK	Pass
H	5725	43.92	1.17	45.09	68.2	-23.11	PK	Pass
V	5725	56.19	1.17	57.36	68.2	-10.84	PK	Pass
V	5725	44.49	1.17	45.66	68.2	-22.54	PK	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac20-MIMO_Low Channel: 5745MHz								
H	5647	48.55	0.71	49.26	68.2	-18.94	PK	Pass
H	5725	57.55	1.17	58.72	122.2	-63.48	PK	Pass
V	5647	47.15	0.71	47.86	68.2	-20.34	PK	Pass
V	5725	58.65	1.17	59.82	122.2	-62.38	PK	Pass
802.11ac20-MIMO_High Channel: 5825MHz								
H	5850	59.35	1.33	60.68	122.2	-61.52	PK	Pass
H	5950	49.35	1.39	50.74	68.2	-17.46	PK	Pass

V	5850	58.44	1.33	59.77	122.2	-62.43	PK	Pass
V	5950	48.33	1.39	49.72	68.2	-18.48	PK	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac40-MIMO_Low Channel: 5190MHz								
H	5100	49.55	0.16	49.71	74	-24.29	PK	Pass
H	5100	37.36	0.16	37.52	54	-16.48	AV	Pass
H	5150	47.68	0.25	47.93	74	-26.07	PK	Pass
H	5150	37.22	0.25	37.47	54	-16.53	AV	Pass
V	5100	47.64	0.16	47.80	74	-26.20	PK	Pass
V	5100	37.75	0.16	37.91	54	-16.09	AV	Pass
V	5150	48.29	0.25	48.54	74	-25.46	PK	Pass
V	5150	37.29	0.25	37.54	54	-16.46	AV	Pass
802.11ac40-MIMO_High Channel: 5230MHz								
H	5150	57.03	0.16	57.19	74	-16.81	PK	Pass
H	5150	44.53	0.16	44.69	54	-9.31	AV	Pass
H	5350	56.48	0.25	56.73	74	-17.27	PK	Pass
H	5350	44.24	0.25	44.49	54	-9.51	AV	Pass
V	5150	56.42	0.16	56.58	74	-17.42	PK	Pass
V	5150	44.60	0.16	44.76	54	-9.24	AV	Pass
V	5350	57.95	0.25	58.20	74	-15.80	PK	Pass
V	5350	45.23	0.25	45.48	54	-8.52	AV	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac40-MIMO_Low Channel: 5270MHz								
H	5150	49.36	0.25	49.61	74	-24.39	PK	Pass
H	5150	38.51	0.25	38.76	54	-15.24	AV	Pass
H	5350	49.08	0.65	49.73	74	-24.27	PK	Pass
H	5350	37.02	0.65	37.67	54	-16.33	AV	Pass
V	5150	47.32	0.25	47.57	74	-26.43	PK	Pass
V	5150	37.03	0.25	37.28	54	-16.72	AV	Pass
V	5350	48.46	0.65	49.11	74	-24.89	PK	Pass
V	5350	39.54	0.65	40.19	54	-13.81	AV	Pass
802.11ac40-MIMO_High Channel: 5310MHz								
H	5350	56.61	0.65	57.26	74	-16.74	PK	Pass
H	5350	43.28	0.65	43.93	54	-10.07	AV	Pass
H	5460	58.25	0.71	58.96	74	-15.04	PK	Pass
H	5460	44.00	0.71	44.71	54	-9.29	AV	Pass
V	5350	56.35	0.65	57.00	74	-17.00	PK	Pass

V	5350	43.66	0.65	44.31	54	-9.69	AV	Pass
V	5460	56.38	0.71	57.09	74	-16.91	PK	Pass
V	5460	43.01	0.71	43.72	54	-10.28	AV	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac40-MIMO_Low Channel: 5510MHz								
H	5460	47.34	0.71	48.05	74	-25.95	PK	Pass
H	5460	37.90	0.71	38.61	54	-15.39	AV	Pass
H	5470	47.67	0.79	48.46	74	-25.54	PK	Pass
H	5470	37.51	0.79	38.30	/	/	AV	Pass
V	5460	48.02	0.71	48.73	74	-25.27	PK	Pass
V	5460	38.37	0.71	39.08	54	-14.92	AV	Pass
V	5470	47.24	0.79	48.03	74	-25.97	PK	Pass
V	5470	39.18	0.79	39.97	/	/	AV	Pass
802.11ac40-MIMO_High Channel: 5670MHz								
H	5725	57.51	1.17	58.68	68.2	-9.52	PK	Pass
H	5725	45.55	1.17	46.72	68.2	-21.48	PK	Pass
V	5725	56.16	1.17	57.33	68.2	-10.87	PK	Pass
V	5725	43.86	1.17	45.03	68.2	-23.17	PK	Pass

Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac40-MIMO_Low Channel: 5755MHz								
H	5647	49.17	0.71	49.88	68.2	-18.32	PK	Pass
H	5725	59.43	1.17	60.60	122.2	-61.60	PK	Pass
V	5647	47.71	0.71	48.42	68.2	-19.78	PK	Pass
V	5725	59.16	1.17	60.33	122.2	-61.87	PK	Pass
802.11ac40-MIMO_High Channel: 5795MHz								
H	5850	59.49	1.33	60.82	122.2	-61.38	PK	Pass
H	5950	48.98	1.39	50.37	68.2	-17.83	PK	Pass
V	5850	57.97	1.33	59.30	122.2	-62.90	PK	Pass
V	5950	48.92	1.39	50.31	68.2	-17.89	PK	Pass

802.11ac80-MIMO_Low Channel: 5210MHz								
H	5100	48.47	0.16	48.63	74	-25.37	PK	Pass
H	5100	37.07	0.16	37.23	54	-16.77	AV	Pass
H	5150	48.47	0.25	48.72	74	-25.28	PK	Pass
H	5150	38.58	0.25	38.83	54	-15.17	AV	Pass
V	5100	49.35	0.16	49.51	74	-24.49	PK	Pass
V	5100	38.81	0.16	38.97	54	-15.03	AV	Pass

V	5150	48.72	0.25	48.97	74	-25.03	PK	Pass
V	5150	38.30	0.25	38.55	54	-15.45	AV	Pass
802.11ac80-MIMO_Low Channel: 5290MHz								
H	5150	47.56	0.25	47.81	74	-26.19	PK	Pass
H	5150	38.19	0.25	38.44	54	-15.56	AV	Pass
H	5350	48.18	0.65	48.83	74	-25.17	PK	Pass
H	5350	38.47	0.65	39.12	54	-14.88	AV	Pass
V	5150	47.64	0.25	47.89	74	-26.11	PK	Pass
V	5150	39.16	0.25	39.41	54	-14.59	AV	Pass
V	5350	47.24	0.65	47.89	74	-26.11	PK	Pass
V	5350	37.24	0.65	37.89	54	-16.11	AV	Pass
802.11ac80-MIMO_Low Channel: 5530MHz								
H	5460	48.44	0.71	49.15	74	-24.85	PK	Pass
H	5460	37.86	0.71	38.57	54	-15.43	AV	Pass
H	5470	48.51	0.79	49.30	74	-24.70	PK	Pass
H	5470	39.20	0.79	39.99	/	/	AV	Pass
V	5460	48.84	0.71	49.55	74	-24.45	PK	Pass
V	5460	38.53	0.71	39.24	54	-14.76	AV	Pass
V	5470	48.09	0.79	48.88	74	-25.12	PK	Pass
V	5470	37.67	0.79	38.46	/	/	AV	Pass

802.11ac80-MIMO_High Channel: 5610MHz								
H	5725	57.74	1.17	58.91	68.2	-9.29	PK	Pass
H	5725	43.08	1.17	44.25	68.2	-23.95	PK	Pass
V	5725	58.00	1.17	59.17	68.2	-9.03	PK	Pass
V	5725	44.14	1.17	45.31	68.2	-22.89	PK	Pass
802.11ac80-MIMO_Low Channel: 5775MHz								
H	5647	47.07	0.71	47.78	68.2	-20.42	PK	Pass
H	5725	57.43	1.17	58.60	122.2	-63.60	PK	Pass
V	5647	47.27	0.71	47.98	68.2	-20.22	PK	Pass
V	5725	58.65	1.17	59.82	122.2	-62.38	PK	Pass
H	5850	59.02	1.33	60.35	122.2	-61.85	PK	Pass
H	5950	47.29	1.39	48.68	68.2	-19.52	PK	Pass
V	5850	58.09	1.33	59.42	122.2	-62.78	PK	Pass
V	5950	47.59	1.39	48.98	68.2	-19.22	PK	Pass

Note: All the mode have been tested, and only the worst case 802.11a and 802.11ac MIMO mode are in the report

4.11 Undesirable emission limits (below 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(9)																								
Test Limit:	Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table: <table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100 **</td><td>3</td></tr><tr><td>88-216</td><td>150 **</td><td>3</td></tr><tr><td>216-960</td><td>200 **</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	0.009-0.490	2400/F(kHz)	300	0.490-1.705	24000/F(kHz)	30	1.705-30.0	30	30	30-88	100 **	3	88-216	150 **	3	216-960	200 **	3	Above 960	500	3
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)																							
0.009-0.490	2400/F(kHz)	300																							
0.490-1.705	24000/F(kHz)	30																							
1.705-30.0	30	30																							
30-88	100 **	3																							
88-216	150 **	3																							
216-960	200 **	3																							
Above 960	500	3																							
Test Method:	ANSI C63.10-2020, section 12.7.4, 12.7.5																								
Procedure:	Below 1GHz: a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel, the middle channel, the Highest channel. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. i. Repeat above procedures until all frequencies measured was complete. Remark: 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor																								

2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

Above 1GHz:

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

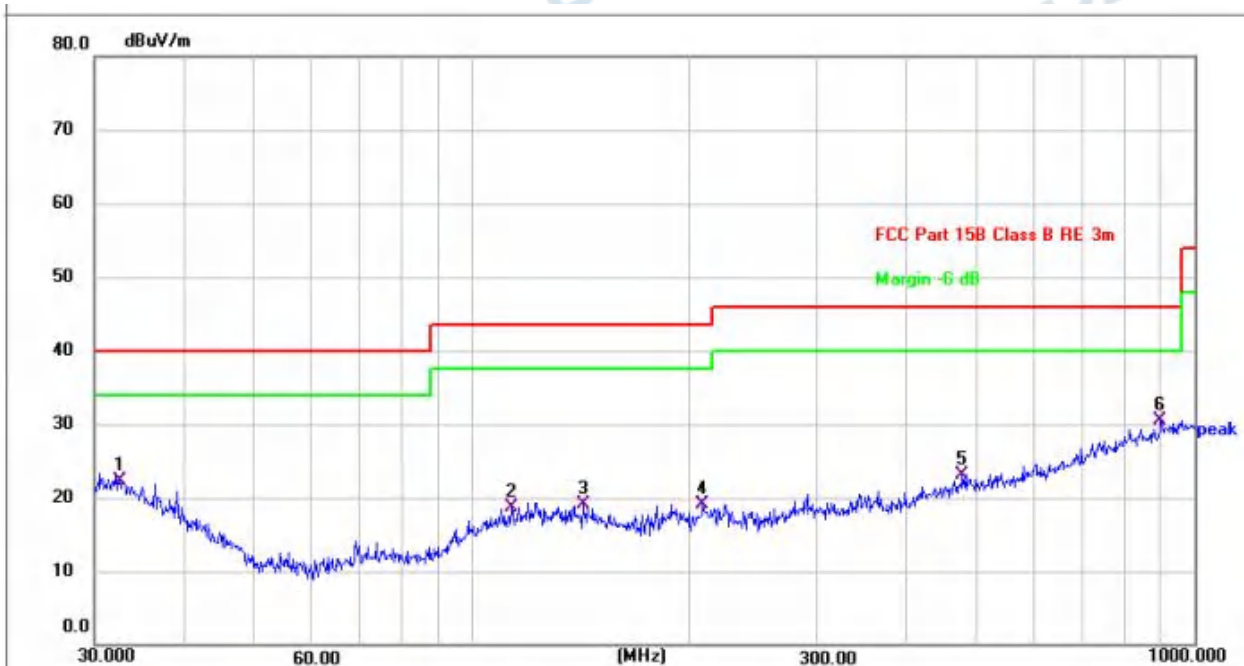
- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

4.11.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.3 °C	Humidity:	47 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

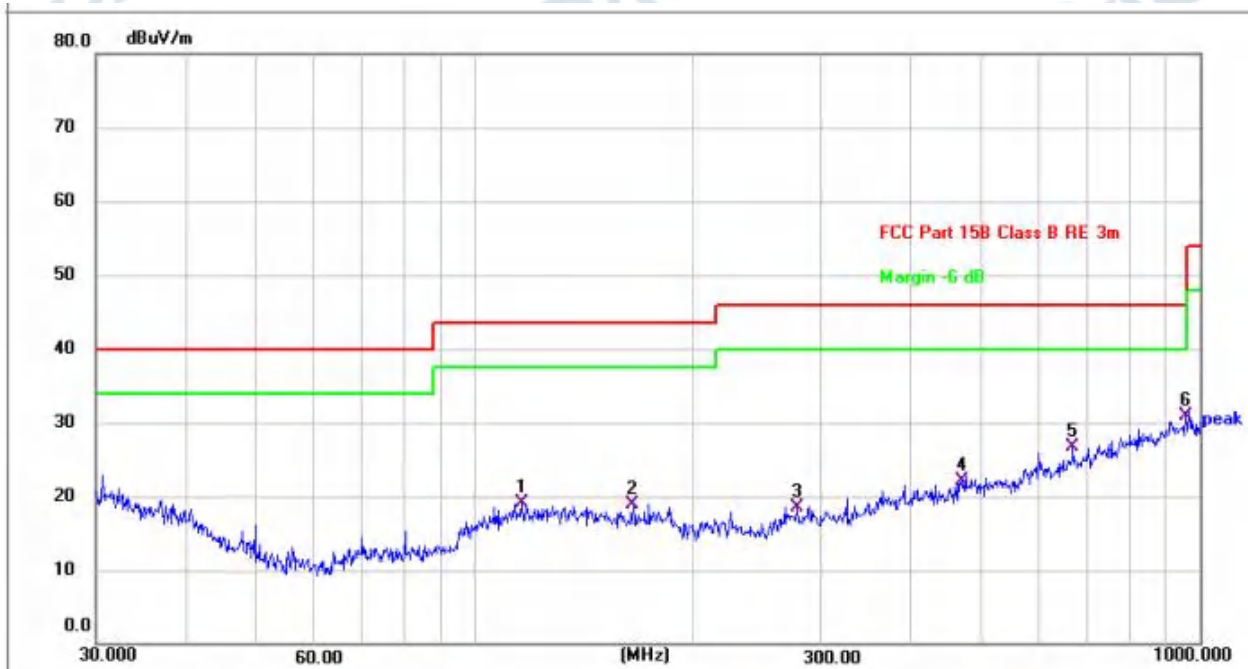
4.11.2 Test Data:

TM1 / Polarization: Horizontal / Band: 5150-5250 MHz / BW: 20 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	32.5198	25.29	-2.91	22.38	40.00	-17.62	QP	100		P	
2	113.3163	25.84	-7.09	18.75	43.50	-24.75	QP	100		P	
3	142.3243	26.23	-7.06	19.17	43.50	-24.33	QP	100		P	
4	208.5803	29.14	-9.98	19.16	43.50	-24.34	QP	100		P	
5	477.1694	26.42	-3.29	23.13	46.00	-22.87	QP	100		P	
6 *	896.9965	26.66	3.78	30.44	46.00	-15.56	QP	100		P	

TM1 / Polarization: Vertical / Band: 5150-5250 MHz / BW: 20 / CH: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	116.1321	25.85	-6.78	19.07	43.50	-24.43	QP	100		P	
2	165.4866	27.56	-8.64	18.92	43.50	-24.58	QP	100		P	
3	278.0668	26.73	-8.19	18.54	46.00	-27.46	QP	100		P	
4	468.8762	25.71	-3.65	22.06	46.00	-23.94	QP	100		P	
5	668.1423	27.19	-0.42	26.77	46.00	-19.23	QP	100		P	
6 *	955.4381	26.64	4.35	30.99	46.00	-15.01	QP	100		P	

4.12 Undesirable emission limits (above 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(1) 47 CFR Part 15.407(b)(2) 47 CFR Part 15.407(b)(3) 47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)																																																																								
Test Limit:	For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. <table><tr><th>MHz</th><th>MHz</th><th>MHz</th><th>GHz</th></tr><tr><td>0.090-0.110</td><td>16.42-16.423</td><td>399.9-410</td><td>4.5-5.15</td></tr><tr><td>¹ 0.495-0.505</td><td>16.69475-16.69525</td><td>608-614</td><td>5.35-5.46</td></tr><tr><td>2.1735-2.1905</td><td>16.80425-16.80475</td><td>960-1240</td><td>7.25-7.75</td></tr><tr><td>4.125-4.128</td><td>25.5-25.67</td><td>1300-1427</td><td>8.025-8.5</td></tr><tr><td>4.17725-4.17775</td><td>37.5-38.25</td><td>1435-1626.5</td><td>9.0-9.2</td></tr><tr><td>4.20725-4.20775</td><td>73-74.6</td><td>1645.5-1646.5</td><td>9.3-9.5</td></tr><tr><td>6.215-6.218</td><td>74.8-75.2</td><td>1660-1710</td><td>10.6-12.7</td></tr><tr><td>6.26775-6.26825</td><td>108-121.94</td><td>1718.8-1722.2</td><td>13.25-13.4</td></tr><tr><td>6.31175-6.31225</td><td>123-138</td><td>2200-2300</td><td>14.47-14.5</td></tr><tr><td>8.291-8.294</td><td>149.9-150.05</td><td>2310-2390</td><td>15.35-16.2</td></tr><tr><td>8.362-8.366</td><td>156.52475-156.52525</td><td>2483.5-2500</td><td>17.7-21.4</td></tr><tr><td>8.37625-8.38675</td><td>156.7-156.9</td><td>2690-2900</td><td>22.01-23.12</td></tr><tr><td>8.41425-8.41475</td><td>162.0125-167.17</td><td>3260-3267</td><td>23.6-24.0</td></tr><tr><td>12.29-12.293</td><td>167.72-173.2</td><td>3332-3339</td><td>31.2-31.8</td></tr><tr><td>12.51975-12.52025</td><td>240-285</td><td>3345.8-3358</td><td>36.43-36.5</td></tr><tr><td>12.57675-12.57725</td><td>322-335.4</td><td>3600-4400</td><td>(²)</td></tr><tr><td>13.36-13.41</td><td></td><td></td><td></td></tr></table> ¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. ² Above 38.6 The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in § 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in § 15.209 shall be demonstrated using	MHz	MHz	MHz	GHz	0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4	6.31175-6.31225	123-138	2200-2300	14.47-14.5	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	12.57675-12.57725	322-335.4	3600-4400	(²)	13.36-13.41			
MHz	MHz	MHz	GHz																																																																						
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15																																																																						
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46																																																																						
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75																																																																						
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5																																																																						
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2																																																																						
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5																																																																						
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7																																																																						
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4																																																																						
6.31175-6.31225	123-138	2200-2300	14.47-14.5																																																																						
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2																																																																						
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4																																																																						
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12																																																																						
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0																																																																						
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8																																																																						
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5																																																																						
12.57675-12.57725	322-335.4	3600-4400	(²)																																																																						
13.36-13.41																																																																									

measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in § 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in § 15.35 apply to these measurements.

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100 **	3
88-216	150 **	3
216-960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Test Method: ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7

Procedure:

Above 1GHz:

- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The

	points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report. 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
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4.12.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.1 °C	Humidity:	46 %	Atmospheric Pressure:	101.3 kPa
Pretest mode:	TM1, TM2, TM3				
Final test mode:	TM1, TM2, TM3				

4.12.2 Test Data:

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit (dBuV/m)	Margin (dBuV/m)	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)				
802.11a-ant1_Low Channel: 5180MHz								
V	5655.58	53.45	1.02	54.47	74	-19.53	PK	Pass
V	5655.58	35.39	1.02	36.41	54	-17.59	AV	Pass
V	10360	55.44	8.78	64.22	74	-9.78	PK	Pass
V	10360	35.27	8.78	44.05	54	-9.95	AV	Pass
H	5654.77	53.28	1.02	54.30	74	-19.70	PK	Pass
H	5654.77	33.20	1.02	34.22	54	-19.78	AV	Pass
H	10360	54.20	8.78	62.98	74	-11.02	PK	Pass
H	10360	33.85	8.78	42.63	54	-11.37	AV	Pass
802.11a-ant1_Middle Channel:5200MHz								
V	5655.57	53.47	1.02	54.49	74	-19.51	PK	Pass
V	5655.57	34.62	1.02	35.64	54	-18.36	AV	Pass
V	10360	55.20	8.78	63.98	74	-10.02	PK	Pass
V	10360	34.89	8.78	43.67	54	-10.33	AV	Pass
H	5653.21	55.53	1.02	56.55	74	-17.45	PK	Pass
H	5653.21	34.85	1.02	35.87	54	-18.13	AV	Pass
H	10360	53.38	8.78	62.16	74	-11.84	PK	Pass
H	10360	35.13	8.78	43.91	54	-10.09	AV	Pass
802.11a-ant1_High Channel:5240MHz								
V	5654.99	53.23	1.02	54.25	74	-19.75	PK	Pass
V	5654.99	34.42	1.02	35.44	54	-18.56	AV	Pass
V	10360	55.52	8.78	64.30	74	-9.70	PK	Pass
V	10360	35.11	8.78	43.89	54	-10.11	AV	Pass
H	5655.55	54.41	1.02	55.43	74	-18.57	PK	Pass
H	5655.55	35.56	1.02	36.58	54	-17.42	AV	Pass
H	10360	54.20	8.78	62.98	74	-11.02	PK	Pass
H	10360	34.45	8.78	43.23	54	-10.77	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit (dBuV/m)	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)		(dBuV/m)		
802.11a-ant2_Low Channel: 5180MHz								
V	5653.83	55.41	1.02	56.43	74	-17.57	PK	Pass
V	5653.83	33.91	1.02	34.93	54	-19.07	AV	Pass
V	10360	55.41	8.78	64.19	74	-9.81	PK	Pass
V	10360	33.95	8.78	42.73	54	-11.27	AV	Pass
H	5654.75	55.12	1.02	56.14	74	-17.86	PK	Pass
H	5654.75	35.08	1.02	36.10	54	-17.90	AV	Pass
H	10360	53.35	8.78	62.13	74	-11.87	PK	Pass
H	10360	33.62	8.78	42.40	54	-11.60	AV	Pass
802.11a-ant2_Middle Channel:5200MHz								
V	5653.63	54.69	1.02	55.71	74	-18.29	PK	Pass
V	5653.63	35.14	1.02	36.16	54	-17.84	AV	Pass
V	10360	53.44	8.78	62.22	74	-11.78	PK	Pass
V	10360	34.11	8.78	42.89	54	-11.11	AV	Pass
H	5655.48	53.17	1.02	54.19	74	-19.81	PK	Pass
H	5655.48	34.55	1.02	35.57	54	-18.43	AV	Pass
H	10360	53.30	8.78	62.08	74	-11.92	PK	Pass
H	10360	34.00	8.78	42.78	54	-11.22	AV	Pass
802.11a-ant2_High Channel:5240MHz								
V	5655.08	54.67	1.02	55.69	74	-18.31	PK	Pass
V	5655.08	34.53	1.02	35.55	54	-18.45	AV	Pass
V	10360	53.61	8.78	62.39	74	-11.61	PK	Pass
V	10360	33.63	8.78	42.41	54	-11.59	AV	Pass
H	5653.17	54.65	1.02	55.67	74	-18.33	PK	Pass
H	5653.17	33.41	1.02	34.43	54	-19.57	AV	Pass
H	10360	55.49	8.78	64.27	74	-9.73	PK	Pass
H	10360	34.43	8.78	43.21	54	-10.79	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant1_Low Channel: 5260MHz								
V	5653.50	54.34	1.02	55.36	74	-18.64	PK	Pass
V	5653.50	35.32	1.02	36.34	54	-17.66	AV	Pass
V	10520	55.53	8.78	64.31	74	-9.69	PK	Pass
V	10520	33.57	8.78	42.35	54	-11.65	AV	Pass
H	5655.05	53.63	1.02	54.65	74	-19.35	PK	Pass
H	5655.05	33.01	1.02	34.03	54	-19.97	AV	Pass
H	10520	54.13	8.78	62.91	74	-11.09	PK	Pass
H	10520	34.60	8.78	43.38	54	-10.62	AV	Pass
802.11a-ant1_Middle Channel:5300MHz								
V	5654.51	53.51	1.02	54.53	74	-19.47	PK	Pass
V	5654.51	33.62	1.02	34.64	54	-19.36	AV	Pass
V	10600	54.57	8.78	63.35	74	-10.65	PK	Pass
V	10600	33.27	8.78	42.05	54	-11.95	AV	Pass
H	5653.79	54.41	1.02	55.43	74	-18.57	PK	Pass
H	5653.79	34.85	1.02	35.87	54	-18.13	AV	Pass
H	10600	54.86	8.78	63.64	74	-10.36	PK	Pass
H	10600	35.46	8.78	44.24	54	-9.76	AV	Pass
802.11a-ant1_High Channel:5320MHz								
V	5654.19	53.81	1.02	54.83	74	-19.17	PK	Pass
V	5654.19	33.94	1.02	34.96	54	-19.04	AV	Pass
V	10640	53.73	8.78	62.51	74	-11.49	PK	Pass
V	10640	33.13	8.78	41.91	54	-12.09	AV	Pass
H	5653.87	55.12	1.02	56.14	74	-17.86	PK	Pass
H	5653.87	34.41	1.02	35.43	54	-18.57	AV	Pass
H	10640	54.31	8.78	63.09	74	-10.91	PK	Pass
H	10640	34.52	8.78	43.30	54	-10.70	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant2_Low Channel: 5260MHz								
V	5653.10	54.19	1.02	55.21	74	-18.79	PK	Pass
V	5653.10	34.02	1.02	35.04	54	-18.96	AV	Pass
V	10520	53.79	8.78	62.57	74	-11.43	PK	Pass
V	10520	34.90	8.78	43.68	54	-10.32	AV	Pass
H	5653.08	53.22	1.02	54.24	74	-19.76	PK	Pass
H	5653.08	34.87	1.02	35.89	54	-18.11	AV	Pass
H	10520	54.01	8.78	62.79	74	-11.21	PK	Pass
H	10520	33.27	8.78	42.05	54	-11.95	AV	Pass
802.11a-ant2_Middle Channel:5300MHz								
V	5653.95	54.12	1.02	55.14	74	-18.86	PK	Pass
V	5653.95	33.08	1.02	34.10	54	-19.90	AV	Pass
V	10600	55.34	8.78	64.12	74	-9.88	PK	Pass
V	10600	33.60	8.78	42.38	54	-11.62	AV	Pass
H	5655.49	55.29	1.02	56.31	74	-17.69	PK	Pass
H	5655.49	34.15	1.02	35.17	54	-18.83	AV	Pass
H	10600	55.30	8.78	64.08	74	-9.92	PK	Pass
H	10600	34.34	8.78	43.12	54	-10.88	AV	Pass
802.11a-ant2_High Channel:5320MHz								
V	5654.16	54.69	1.02	55.71	74	-18.29	PK	Pass
V	5654.16	33.23	1.02	34.25	54	-19.75	AV	Pass
V	10640	53.56	8.78	62.34	74	-11.66	PK	Pass
V	10640	34.68	8.78	43.46	54	-10.54	AV	Pass
H	5655.40	55.28	1.02	56.30	74	-17.70	PK	Pass
H	5655.40	33.74	1.02	34.76	54	-19.24	AV	Pass
H	10640	53.72	8.78	62.50	74	-11.50	PK	Pass
H	10640	35.48	8.78	44.26	54	-9.74	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant1_Low Channel: 5500MHz								
V	5653.56	54.30	1.02	55.32	74	-18.68	PK	Pass
V	5653.56	34.53	1.02	35.55	54	-18.45	AV	Pass
V	11000	55.02	8.78	63.80	74	-10.20	PK	Pass
V	11000	33.61	8.78	42.39	54	-11.61	AV	Pass
H	5655.04	54.59	1.02	55.61	74	-18.39	PK	Pass
H	5655.04	34.70	1.02	35.72	54	-18.28	AV	Pass
H	11000	54.25	8.78	63.03	74	-10.97	PK	Pass
H	11000	35.44	8.78	44.22	54	-9.78	AV	Pass
802.11a-ant1_Middle Channel:56000MHz								
V	5654.89	54.52	1.02	55.54	74	-18.46	PK	Pass
V	5654.89	35.49	1.02	36.51	54	-17.49	AV	Pass
V	11160	53.71	8.78	62.49	74	-11.51	PK	Pass
V	11160	33.52	8.78	42.30	54	-11.70	AV	Pass
H	5653.30	54.52	1.02	55.54	74	-18.46	PK	Pass
H	5653.30	34.97	1.02	35.99	54	-18.01	AV	Pass
H	11160	55.59	8.78	64.37	74	-9.63	PK	Pass
H	11160	33.35	8.78	42.13	54	-11.87	AV	Pass
802.11a-ant1_High Channel:5700MHz								
V	5653.13	53.05	1.02	54.07	74	-19.93	PK	Pass
V	5653.13	35.35	1.02	36.37	54	-17.63	AV	Pass
V	11400	53.04	8.78	61.82	74	-12.18	PK	Pass
V	11400	34.75	8.78	43.53	54	-10.47	AV	Pass
H	5653.49	54.74	1.02	55.76	74	-18.24	PK	Pass
H	5653.49	33.32	1.02	34.34	54	-19.66	AV	Pass
H	11400	55.04	8.78	63.82	74	-10.18	PK	Pass
H	11400	33.88	8.78	42.66	54	-11.34	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant2_Low Channel: 5500MHz								
V	5655.47	55.23	1.02	56.25	74	-17.75	PK	Pass
V	5655.47	35.52	1.02	36.54	54	-17.46	AV	Pass
V	11000	53.92	8.78	62.70	74	-11.30	PK	Pass
V	11000	34.09	8.78	42.87	54	-11.13	AV	Pass
H	5654.67	54.42	1.02	55.44	74	-18.56	PK	Pass
H	5654.67	34.53	1.02	35.55	54	-18.45	AV	Pass
H	11000	54.17	8.78	62.95	74	-11.05	PK	Pass
H	11000	35.27	8.78	44.05	54	-9.95	AV	Pass
802.11a-ant2_Middle Channel:56000MHz								
V	5653.85	54.94	1.02	55.96	74	-18.04	PK	Pass
V	5653.85	33.99	1.02	35.01	54	-18.99	AV	Pass
V	11160	53.96	8.78	62.74	74	-11.26	PK	Pass
V	11160	33.38	8.78	42.16	54	-11.84	AV	Pass
H	5653.79	53.91	1.02	54.93	74	-19.07	PK	Pass
H	5653.79	34.61	1.02	35.63	54	-18.37	AV	Pass
H	11160	54.05	8.78	62.83	74	-11.17	PK	Pass
H	11160	33.27	8.78	42.05	54	-11.95	AV	Pass
802.11a-ant2_High Channel:5700MHz								
V	5653.02	55.12	1.02	56.14	74	-17.86	PK	Pass
V	5653.02	33.22	1.02	34.24	54	-19.76	AV	Pass
V	11400	54.94	8.78	63.72	74	-10.28	PK	Pass
V	11400	33.50	8.78	42.28	54	-11.72	AV	Pass
H	5654.18	54.65	1.02	55.67	74	-18.33	PK	Pass
H	5654.18	33.57	1.02	34.59	54	-19.41	AV	Pass
H	11400	54.31	8.78	63.09	74	-10.91	PK	Pass
H	11400	34.75	8.78	43.53	54	-10.47	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant1_Low Channel: 5745MHz								
V	5653.94	55.00	1.02	56.02	74	-17.98	PK	Pass
V	5653.94	33.77	1.02	34.79	54	-19.21	AV	Pass
V	11490	53.43	8.78	62.21	74	-11.79	PK	Pass
V	11490	35.18	8.78	43.96	54	-10.04	AV	Pass
H	5655.02	53.23	1.02	54.25	74	-19.75	PK	Pass
H	5655.02	33.05	1.02	34.07	54	-19.93	AV	Pass
H	11490	55.40	8.78	64.18	74	-9.82	PK	Pass
H	11490	33.60	8.78	42.38	54	-11.62	AV	Pass
802.11a-ant1_Middle Channel:5785MHz								
V	5654.27	54.62	1.02	55.64	74	-18.36	PK	Pass
V	5654.27	33.83	1.02	34.85	54	-19.15	AV	Pass
V	11570	54.53	8.78	63.31	74	-10.69	PK	Pass
V	11570	34.52	8.78	43.30	54	-10.70	AV	Pass
H	5653.54	53.15	1.02	54.17	74	-19.83	PK	Pass
H	5653.54	34.28	1.02	35.30	54	-18.70	AV	Pass
H	11570	53.82	8.78	62.60	74	-11.40	PK	Pass
H	11570	35.49	8.78	44.27	54	-9.73	AV	Pass
802.11a-ant1_High Channel:5825MHz								
V	5654.42	53.00	1.02	54.02	74	-19.98	PK	Pass
V	5654.42	33.43	1.02	34.45	54	-19.55	AV	Pass
V	11650	55.10	8.78	63.88	74	-10.12	PK	Pass
V	11650	33.18	8.78	41.96	54	-12.04	AV	Pass
H	5653.51	54.98	1.02	56.00	74	-18.00	PK	Pass
H	5653.51	34.73	1.02	35.75	54	-18.25	AV	Pass
H	11650	53.51	8.78	62.29	74	-11.71	PK	Pass
H	11650	34.95	8.78	43.73	54	-10.27	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11a-ant2_Low Channel: 5745MHz								
V	5653.79	55.60	1.02	56.62	74	-17.38	PK	Pass
V	5653.79	35.43	1.02	36.45	54	-17.55	AV	Pass
V	11490	54.97	8.78	63.75	74	-10.25	PK	Pass
V	11490	35.40	8.78	44.18	54	-9.82	AV	Pass
H	5654.38	53.32	1.02	54.34	74	-19.66	PK	Pass
H	5654.38	35.36	1.02	36.38	54	-17.62	AV	Pass
H	11490	53.28	8.78	62.06	74	-11.94	PK	Pass
H	11490	35.14	8.78	43.92	54	-10.08	AV	Pass
802.11a-ant2_Middle Channel:5785MHz								
V	5653.33	55.04	1.02	56.06	74	-17.94	PK	Pass
V	5653.33	33.73	1.02	34.75	54	-19.25	AV	Pass
V	11570	54.74	8.78	63.52	74	-10.48	PK	Pass
V	11570	35.14	8.78	43.92	54	-10.08	AV	Pass
H	5654.60	54.74	1.02	55.76	74	-18.24	PK	Pass
H	5654.60	34.05	1.02	35.07	54	-18.93	AV	Pass
H	11570	55.14	8.78	63.92	74	-10.08	PK	Pass
H	11570	33.55	8.78	42.33	54	-11.67	AV	Pass
802.11a-ant2_High Channel:5825MHz								
V	5654.35	53.76	1.02	54.78	74	-19.22	PK	Pass
V	5654.35	34.87	1.02	35.89	54	-18.11	AV	Pass
V	11650	53.78	8.78	62.56	74	-11.44	PK	Pass
V	11650	33.85	8.78	42.63	54	-11.37	AV	Pass
H	5653.54	54.66	1.02	55.68	74	-18.32	PK	Pass
H	5653.54	35.38	1.02	36.40	54	-17.60	AV	Pass
H	11650	54.64	8.78	63.42	74	-10.58	PK	Pass
H	11650	33.12	8.78	41.90	54	-12.10	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit (dBuV/m)	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)		(dBuV/m)		
802.11ac40-MIMO_Low Channel: 5190MHz								
V	5655.59	53.29	1.02	54.31	74	-19.69	PK	Pass
V	5655.59	33.90	1.02	34.92	54	-19.08	AV	Pass
V	10380	53.34	8.78	62.12	74	-11.88	PK	Pass
V	10380	34.15	8.78	42.93	54	-11.07	AV	Pass
H	5654.92	55.32	1.02	56.34	74	-17.66	PK	Pass
H	5654.92	35.36	1.02	36.38	54	-17.62	AV	Pass
H	10380	54.99	8.78	63.77	74	-10.23	PK	Pass
H	10380	34.40	8.78	43.18	54	-10.82	AV	Pass
802.11ac40-MIMO_High Channel:5230MHz								
V	5653.17	53.04	1.02	54.06	74	-19.94	PK	Pass
V	5653.17	33.73	1.02	34.75	54	-19.25	AV	Pass
V	10460	54.62	8.78	63.40	74	-10.60	PK	Pass
V	10460	34.18	8.78	42.96	54	-11.04	AV	Pass
H	5654.32	54.05	1.02	55.07	74	-18.93	PK	Pass
H	5654.32	35.31	1.02	36.33	54	-17.67	AV	Pass
H	10460	55.32	8.78	64.10	74	-9.90	PK	Pass
H	10460	34.71	8.78	43.49	54	-10.51	AV	Pass

802.11ac40-MIMO_Low Channel: 5270MHz								
V	5653.98	55.31	1.02	56.33	74	-17.67	PK	Pass
V	5653.98	34.35	1.02	35.37	54	-18.63	AV	Pass
V	10540	53.02	8.78	61.80	74	-12.20	PK	Pass
V	10540	34.97	8.78	43.75	54	-10.25	AV	Pass
H	5655.21	53.87	1.02	54.89	74	-19.11	PK	Pass
H	5655.21	33.66	1.02	34.68	54	-19.32	AV	Pass
H	10540	53.87	8.78	62.65	74	-11.35	PK	Pass
H	10540	33.83	8.78	42.61	54	-11.39	AV	Pass
802.11ac40-MIMO_High Channel:5310.MHz								
V	5653.04	53.04	1.02	54.06	74	-19.94	PK	Pass
V	5653.04	34.66	1.02	35.68	54	-18.32	AV	Pass
V	10620	55.29	8.78	64.07	74	-9.93	PK	Pass
V	10620	34.58	8.78	43.36	54	-10.64	AV	Pass
H	5654.39	55.38	1.02	56.40	74	-17.60	PK	Pass
H	5654.39	35.44	1.02	36.46	54	-17.54	AV	Pass
H	10460	54.38	8.78	63.16	74	-10.84	PK	Pass
H	10460	34.51	8.78	43.29	54	-10.71	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit (dBuV/m)	Margin (dBuV/m)	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)				
802.11ac40-MIMO_Low Channel: 5510MHz								
V	5653.35	53.50	1.02	54.52	74	-19.48	PK	Pass
V	5653.35	33.08	1.02	34.10	54	-19.90	AV	Pass
V	11020	54.74	8.78	63.52	74	-10.48	PK	Pass
V	11020	33.79	8.78	42.57	54	-11.43	AV	Pass
H	5653.08	55.56	1.02	56.58	74	-17.42	PK	Pass
H	5653.08	35.50	1.02	36.52	54	-17.48	AV	Pass
H	11020	55.32	8.78	64.10	74	-9.90	PK	Pass
H	11020	34.15	8.78	42.93	54	-11.07	AV	Pass
802.11ac40-MIMO_Middle Channel:5590MHz								
V	5654.42	55.53	1.02	56.55	74	-17.45	PK	Pass
V	5654.42	35.46	1.02	36.48	54	-17.52	AV	Pass
V	11180	53.71	8.78	62.49	74	-11.51	PK	Pass
V	11180	33.66	8.78	42.44	54	-11.56	AV	Pass
H	5654.88	54.88	1.02	55.90	74	-18.10	PK	Pass
H	5654.88	35.59	1.02	36.61	54	-17.39	AV	Pass
H	11180	53.84	8.78	62.62	74	-11.38	PK	Pass
H	11180	34.68	8.78	43.46	54	-10.54	AV	Pass
802.11ac40-MIMO_High Channel:5670MHz								
V	5654.61	55.59	1.02	56.61	74	-17.39	PK	Pass
V	5654.61	33.20	1.02	34.22	54	-19.78	AV	Pass
V	11340	54.36	8.78	63.14	74	-10.86	PK	Pass
V	11340	34.49	8.78	43.27	54	-10.73	AV	Pass
H	5655.00	53.10	1.02	54.12	74	-19.88	PK	Pass
H	5655.00	35.59	1.02	36.61	54	-17.39	AV	Pass
H	11340	53.09	8.78	61.87	74	-12.13	PK	Pass
H	11340	33.75	8.78	42.53	54	-11.47	AV	Pass
802.11ac40-MIMO_Low Channel: 5755MHz								
V	5653.36	55.29	1.02	56.31	74	-17.69	PK	Pass
V	5653.36	33.90	1.02	34.92	54	-19.08	AV	Pass
V	11510	53.05	8.78	61.83	74	-12.17	PK	Pass
V	11510	34.90	8.78	43.68	54	-10.32	AV	Pass
H	5654.04	53.50	1.02	54.52	74	-19.48	PK	Pass
H	5654.04	34.60	1.02	35.62	54	-18.38	AV	Pass
H	11510	53.57	8.78	62.35	74	-11.65	PK	Pass
H	11510	33.86	8.78	42.64	54	-11.36	AV	Pass

High Channel:5795.MHz								
V	5654.05	54.39	1.02	55.41	74	-18.59	PK	Pass
V	5654.05	33.79	1.02	34.81	54	-19.19	AV	Pass
V	11590	53.45	8.78	62.23	74	-11.77	PK	Pass
V	11590	34.87	8.78	43.65	54	-10.35	AV	Pass
H	5653.68	54.87	1.02	55.89	74	-18.11	PK	Pass
H	5653.68	34.56	1.02	35.58	54	-18.42	AV	Pass
H	11590	54.03	8.78	62.81	74	-11.19	PK	Pass
H	11590	34.24	8.78	43.02	54	-10.98	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit (dBuV/m)	Margin (dBuV/m)	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)				
802.11ac80-MIMO_Low Channel: 5210MHz								
V	5654.42	54.89	1.02	55.91	74	-18.09	PK	Pass
V	5654.42	35.22	1.02	36.24	54	-17.76	AV	Pass
V	10420	54.89	8.78	63.67	74	-10.33	PK	Pass
V	10420	35.52	8.78	44.30	54	-9.70	AV	Pass
H	5653.49	53.78	1.02	54.80	74	-19.20	PK	Pass
H	5653.49	35.29	1.02	36.31	54	-17.69	AV	Pass
H	10420	53.17	8.78	61.95	74	-12.05	PK	Pass
H	10420	33.20	8.78	41.98	54	-12.02	AV	Pass

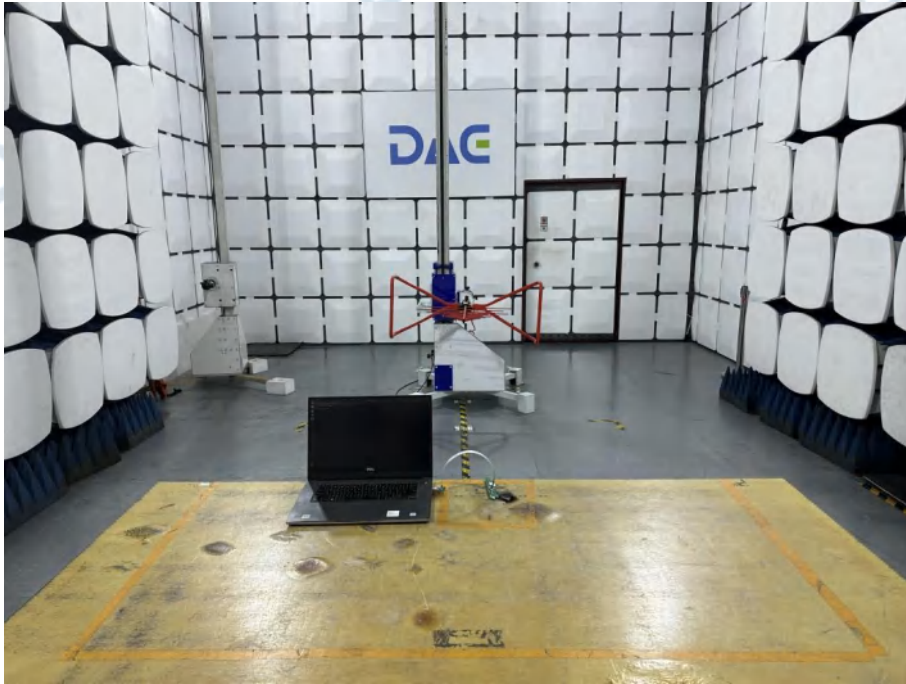
WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit (dBuV/m)	Margin (dBuV/m)	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)				
802.11ac80-MIMO_Low Channel: 5290MHz								
V	5654.35	55.16	1.02	56.18	74	-17.82	PK	Pass
V	5654.35	33.07	1.02	34.09	54	-19.91	AV	Pass
V	10580	53.83	8.78	62.61	74	-11.39	PK	Pass
V	10580	33.27	8.78	42.05	54	-11.95	AV	Pass
H	5653.85	54.96	1.02	55.98	74	-18.02	PK	Pass
H	5653.85	34.92	1.02	35.94	54	-18.06	AV	Pass
H	10580	54.44	8.78	63.22	74	-10.78	PK	Pass
H	10580	33.53	8.78	42.31	54	-11.69	AV	Pass

WIFI								
Polar	Frequency	Meter Reading	Cable Loss	Level	Limit	Margin	Detector Type	Result
(H/V)	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)		
802.11ac80-MIMO_Low Channel: 5530MHz								
V	5653.74	54.61	1.02	55.63	74	-18.37	PK	Pass
V	5653.74	35.26	1.02	36.28	54	-17.72	AV	Pass
V	11060	54.98	8.78	63.76	74	-10.24	PK	Pass
V	11060	34.30	8.78	43.08	54	-10.92	AV	Pass
H	5655.49	54.72	1.02	55.74	74	-18.26	PK	Pass
H	5655.49	34.46	1.02	35.48	54	-18.52	AV	Pass
H	11060	54.93	8.78	63.71	74	-10.29	PK	Pass
H	11060	33.12	8.78	41.90	54	-12.10	AV	Pass
802.11ac80-MIMO_High Channel: 5610MHz								
V	5653.08	55.02	1.02	56.04	74	-17.96	PK	Pass
V	5653.08	35.20	1.02	36.22	54	-17.78	AV	Pass
V	11220	54.43	8.78	63.21	74	-10.79	PK	Pass
V	11220	35.29	8.78	44.07	54	-9.93	AV	Pass
H	5653.88	54.66	1.02	55.68	74	-18.32	PK	Pass
H	5653.88	35.17	1.02	36.19	54	-17.81	AV	Pass
H	11220	53.15	8.78	61.93	74	-12.07	PK	Pass
H	11220	34.84	8.78	43.62	54	-10.38	AV	Pass
802.11ac80-MIMO_Low Channel: 5755MHz								
V	5653.91	53.51	1.02	54.53	74	-19.47	PK	Pass
V	5653.91	34.13	1.02	35.15	54	-18.85	AV	Pass
V	11510	54.64	8.78	63.42	74	-10.58	PK	Pass
V	11510	34.48	8.78	43.26	54	-10.74	AV	Pass
H	5654.97	54.53	1.02	55.55	74	-18.45	PK	Pass
H	5654.97	34.77	1.02	35.79	54	-18.21	AV	Pass
H	11510	54.90	8.78	63.68	74	-10.32	PK	Pass
H	11510	34.73	8.78	43.51	54	-10.49	AV	Pass

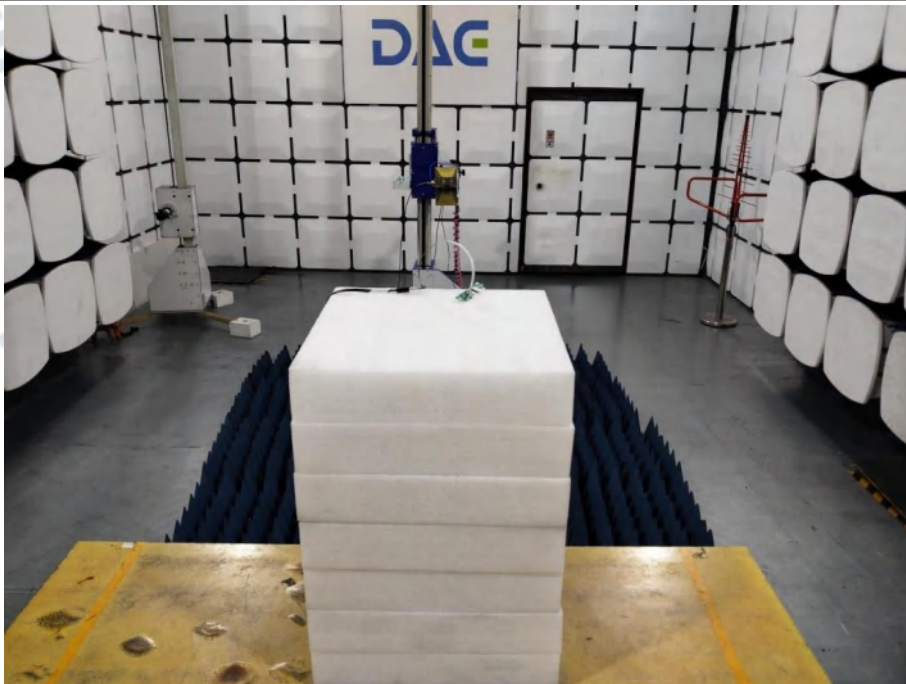
Note: All the mode have been tested, and only the worst case 802.11a and 802.11ac MIMO mode are in the report

5 TEST SETUP PHOTOS

Emissions in frequency bands (below 1GHz)

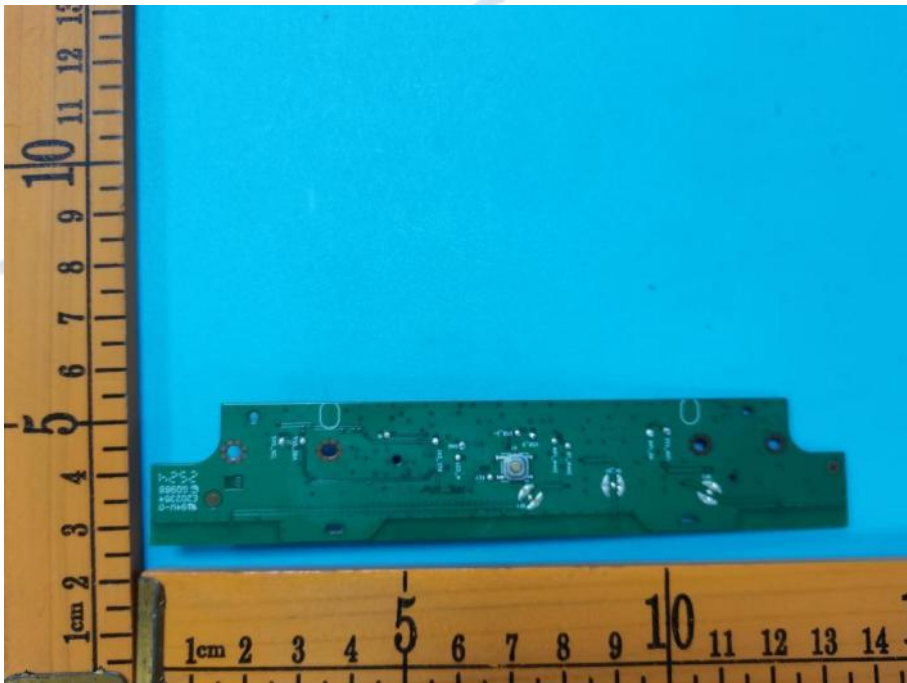


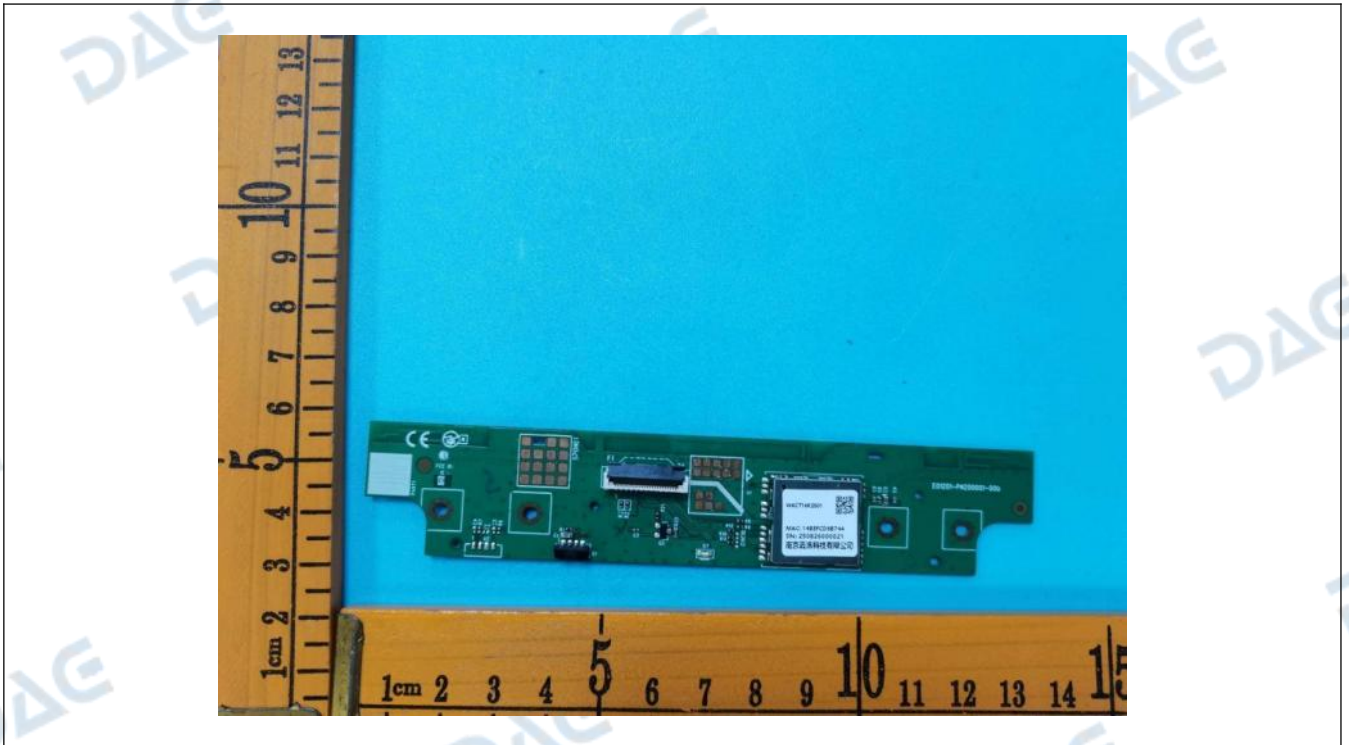
Emissions in frequency bands (above 1GHz)



6 PHOTOS OF THE EUT

Internal



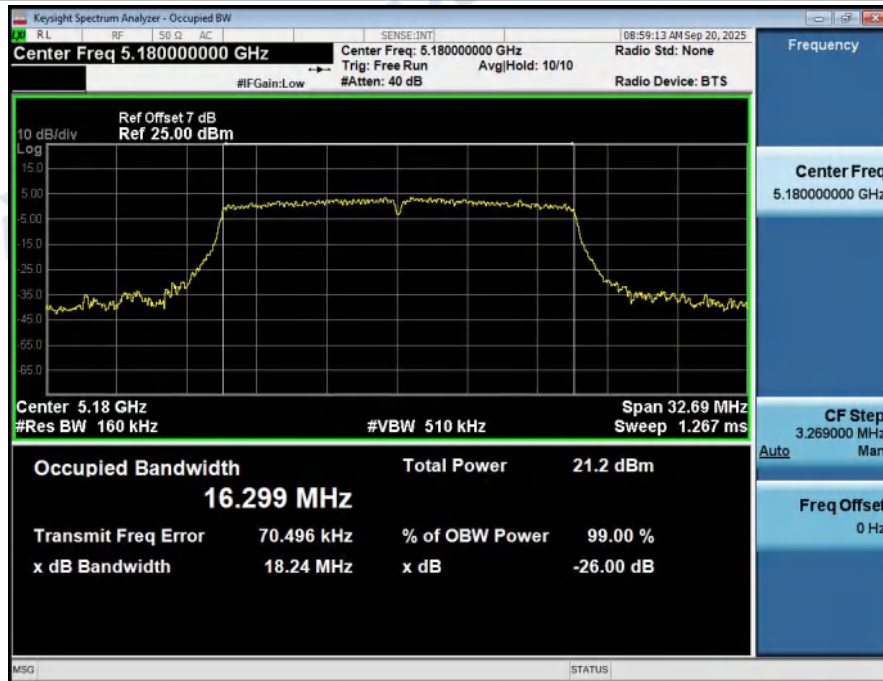


Appendix 5.2G

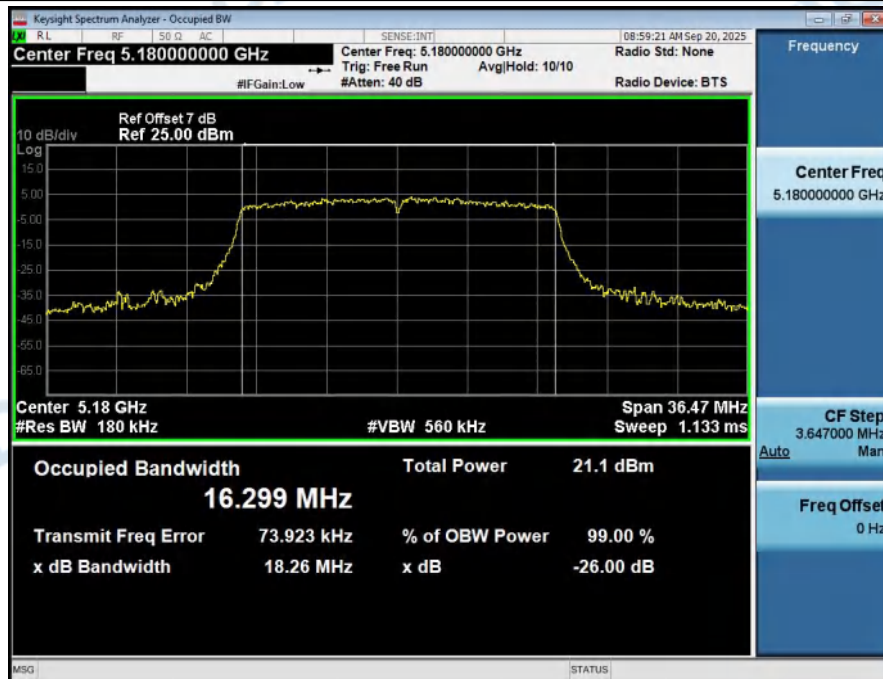
1. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	18.26	16.30
NVNT	ANT2	802.11a	5180.00	18.23	16.27
NVNT	ANT1	802.11a	5200.00	18.27	16.30
NVNT	ANT2	802.11a	5200.00	18.21	16.28
NVNT	ANT1	802.11a	5240.00	18.25	16.29
NVNT	ANT2	802.11a	5240.00	18.26	16.28
NVNT	ANT1	802.11n(HT20)	5180.00	19.23	17.48
NVNT	ANT2	802.11n(HT20)	5180.00	19.34	17.48
NVNT	ANT1	802.11n(HT20)	5200.00	19.20	17.49
NVNT	ANT2	802.11n(HT20)	5200.00	19.31	17.49
NVNT	ANT1	802.11n(HT20)	5240.00	19.26	17.48
NVNT	ANT2	802.11n(HT20)	5240.00	19.25	17.48
NVNT	ANT1	802.11n(HT40)	5190.00	38.95	35.74
NVNT	ANT2	802.11n(HT40)	5190.00	38.92	35.81
NVNT	ANT1	802.11n(HT40)	5230.00	38.89	35.87
NVNT	ANT2	802.11n(HT40)	5230.00	39.04	35.83
NVNT	ANT1	802.11ac(VHT20)	5180.00	19.34	17.47
NVNT	ANT2	802.11ac(VHT20)	5180.00	19.39	17.48
NVNT	ANT1	802.11ac(VHT20)	5200.00	19.29	17.49
NVNT	ANT2	802.11ac(VHT20)	5200.00	19.34	17.49
NVNT	ANT1	802.11ac(VHT20)	5240.00	19.29	17.48
NVNT	ANT2	802.11ac(VHT20)	5240.00	19.31	17.48
NVNT	ANT1	802.11ac(VHT40)	5190.00	38.80	35.77
NVNT	ANT2	802.11ac(VHT40)	5190.00	38.85	35.80
NVNT	ANT1	802.11ac(VHT40)	5230.00	38.74	35.74
NVNT	ANT2	802.11ac(VHT40)	5230.00	38.86	35.85
NVNT	ANT1	802.11ac(VHT80)	5210.00	80.93	74.92
NVNT	ANT2	802.11ac(VHT80)	5210.00	81.44	75.14

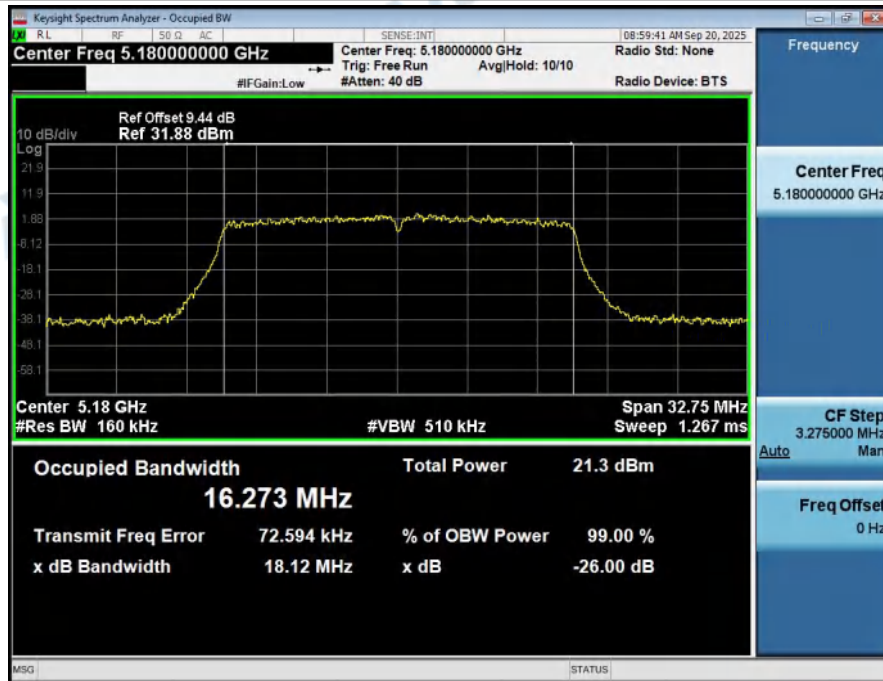
99%_OCB_NVNT_ANT1_802_11a_5180



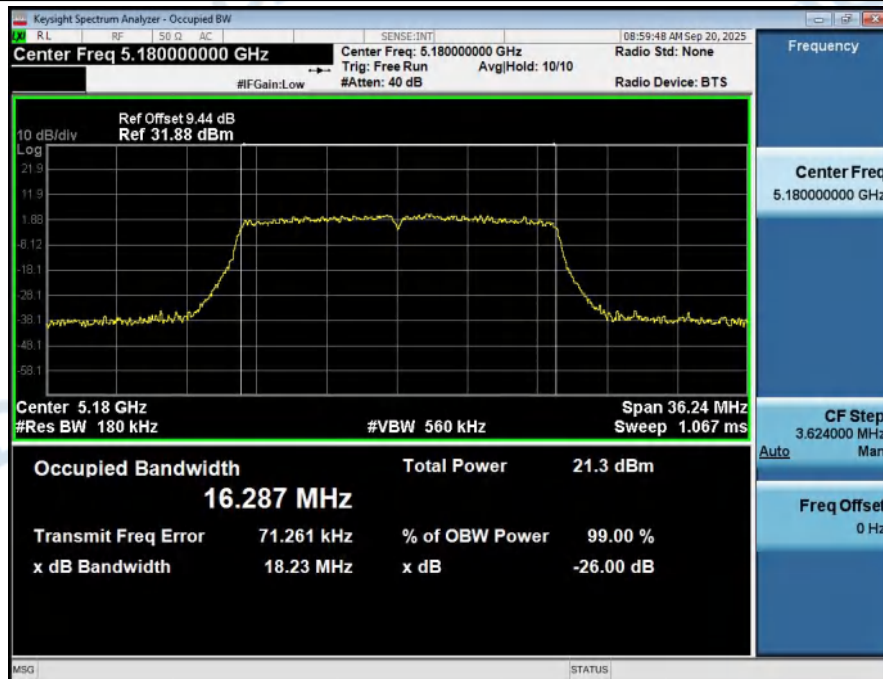
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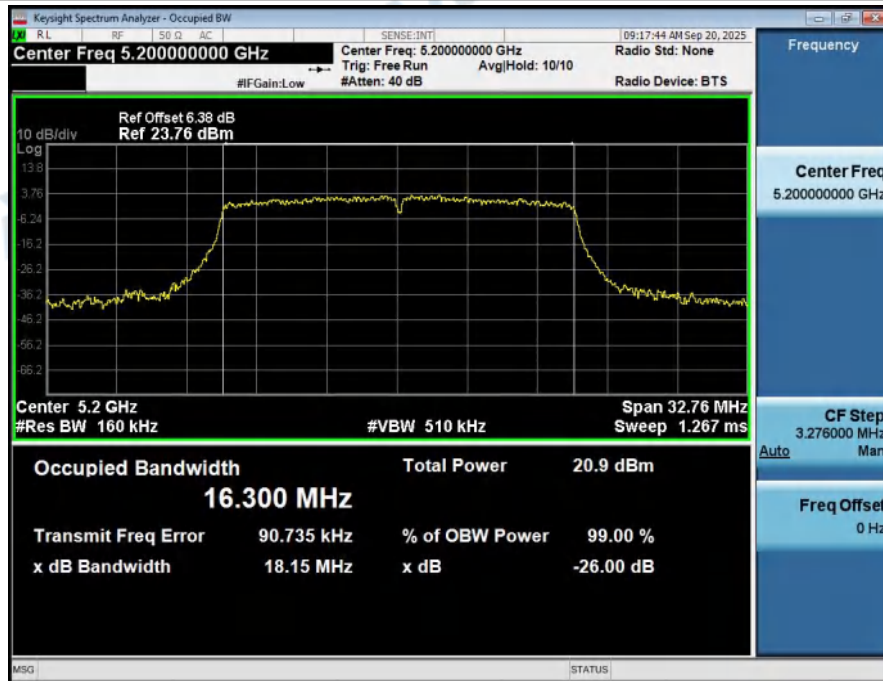
99%_OCB_NVNT_ANT2_802_11a_5180



-26BW_NVNT_ANT2_802_11a_5180



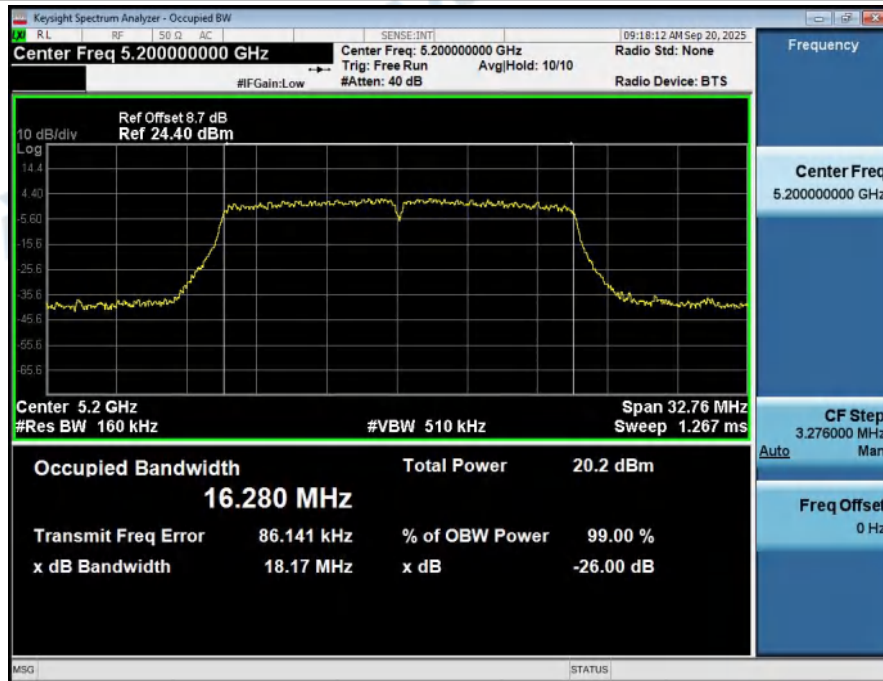
99%_OCB_NVNT_ANT1_802_11a_5200



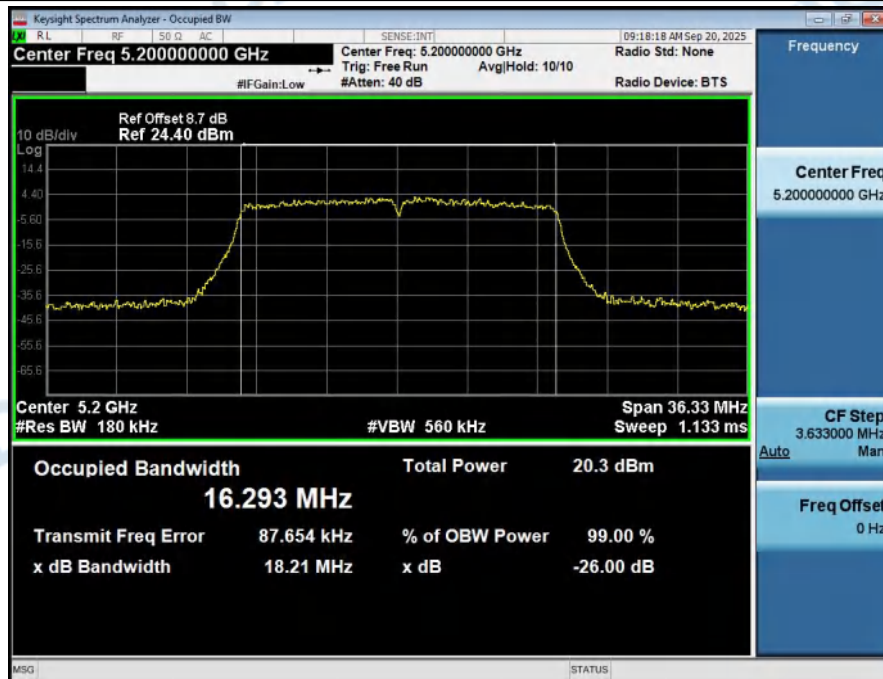
-26BW_NVNT_ANT1_802_11a_5200



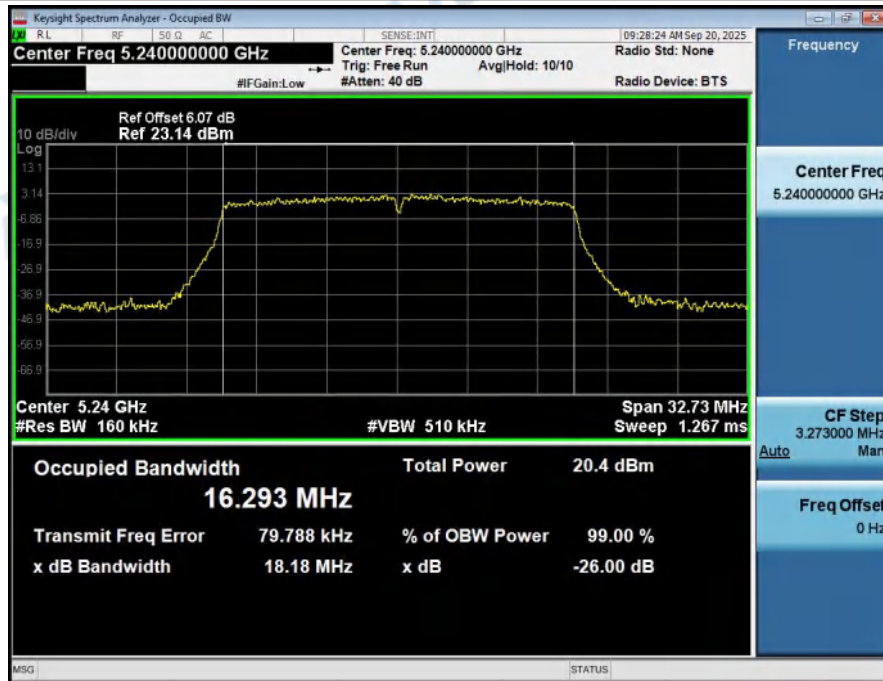
99%_OCB_NVNT_ANT2_802_11a_5200



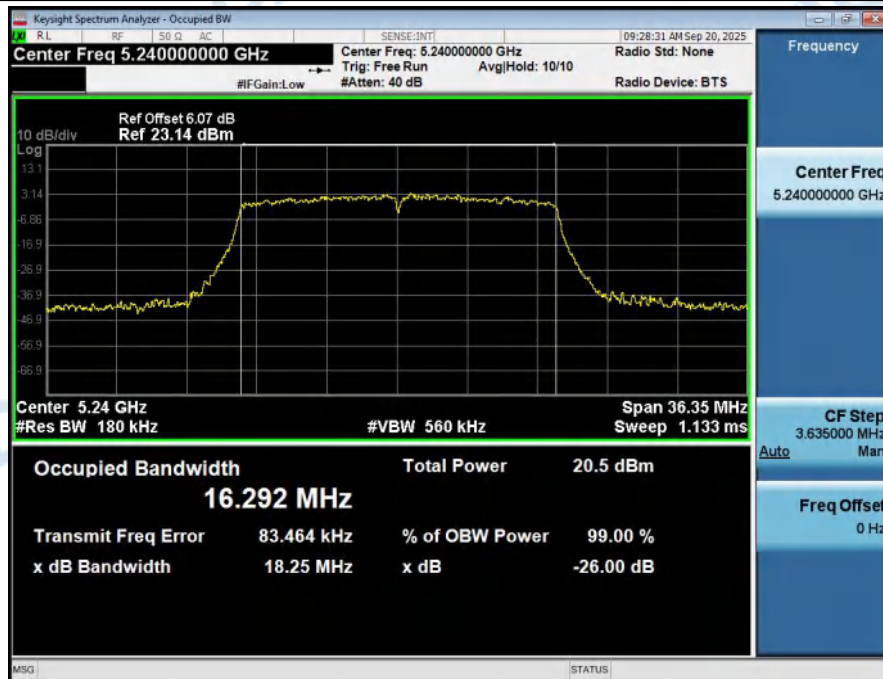
-26BW_NVNT_ANT2_802_11a_5200



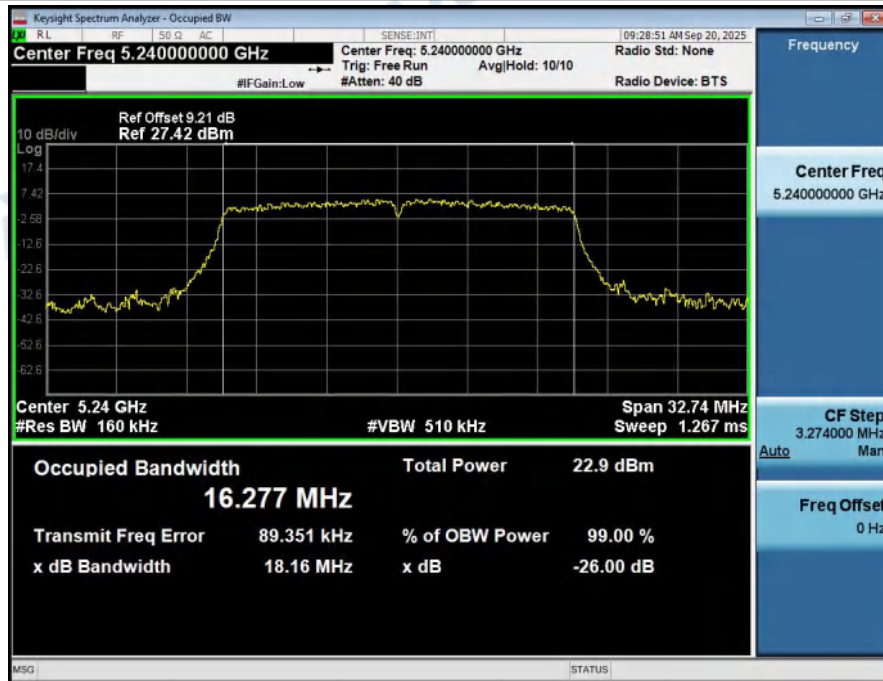
99%_OCB_NVNT_ANT1_802_11a_5240



-26BW_NVNT_ANT1_802_11a_5240



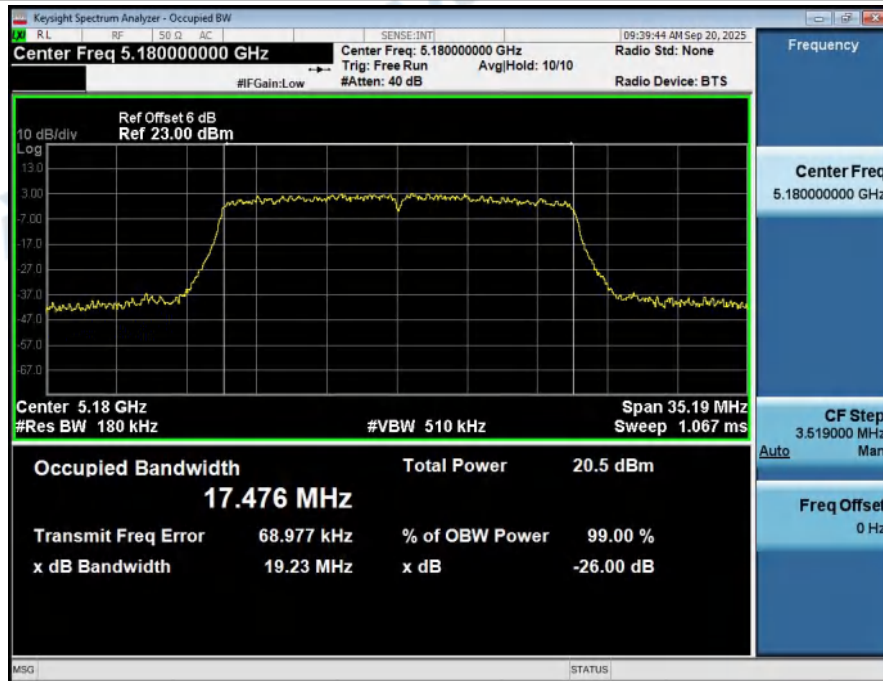
99%_OCB_NVNT_ANT2_802_11a_5240



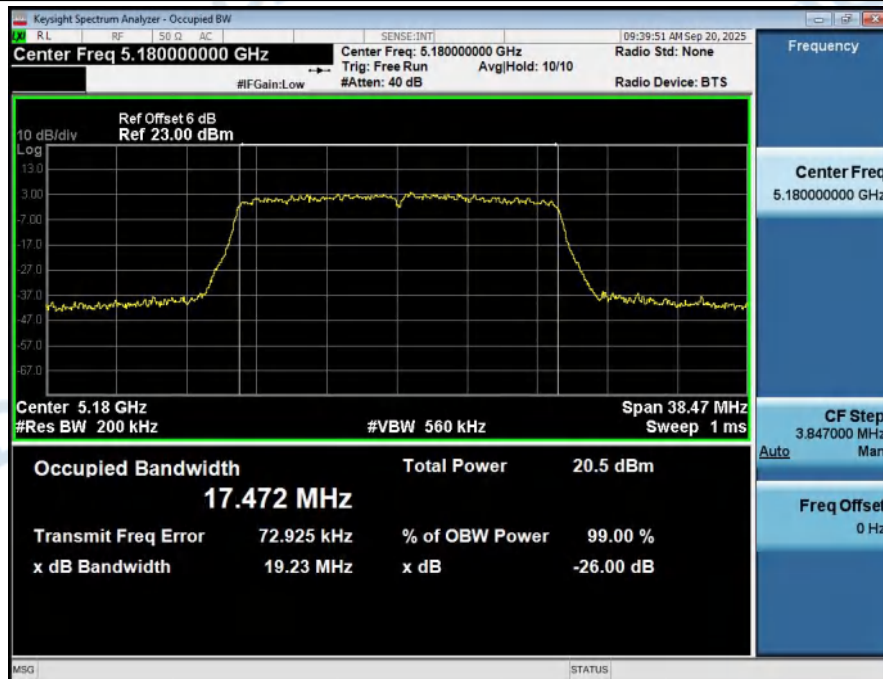
-26BW_NVNT_ANT2_802_11a_5240



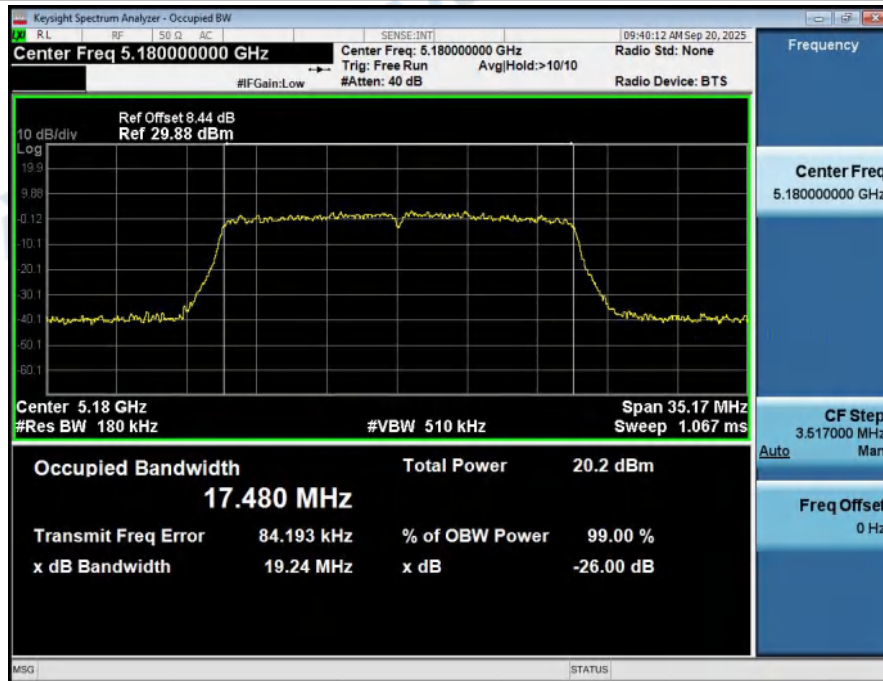
99%_OCB_NVNT_ANT1_802_11n(HT20)_5180



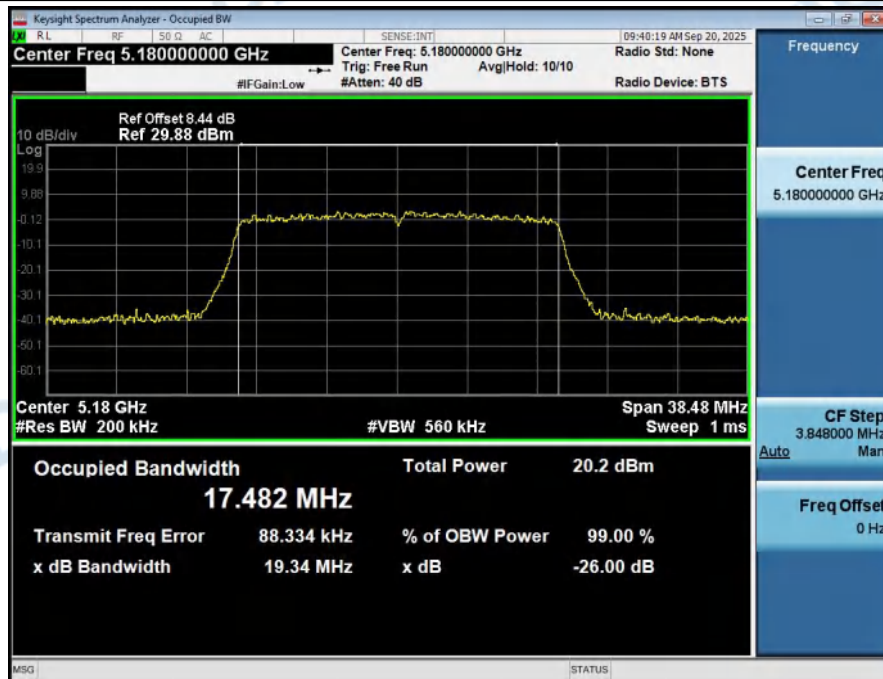
-26BW_NVNT_ANT1_802_11n(HT20)_5180



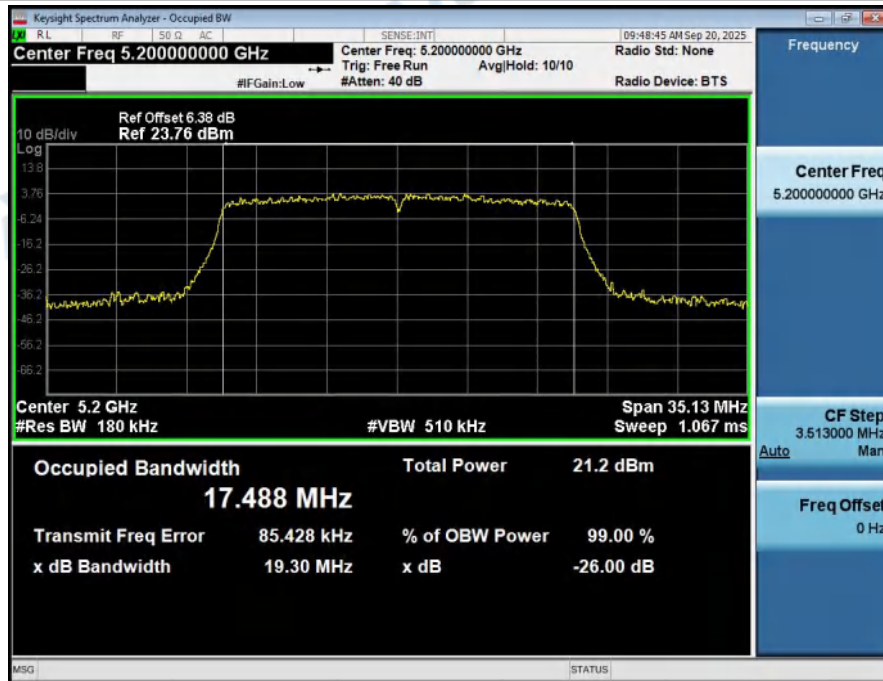
99%_OCB_NVNT_ANT2_802_11n(HT20)_5180



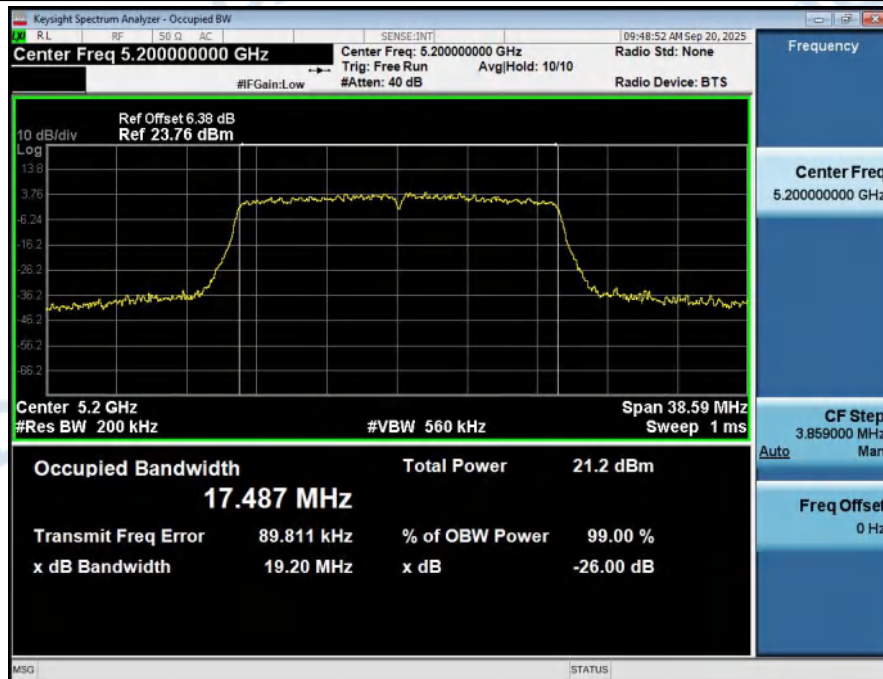
-26BW_NVNT_ANT2_802_11n(HT20)_5180



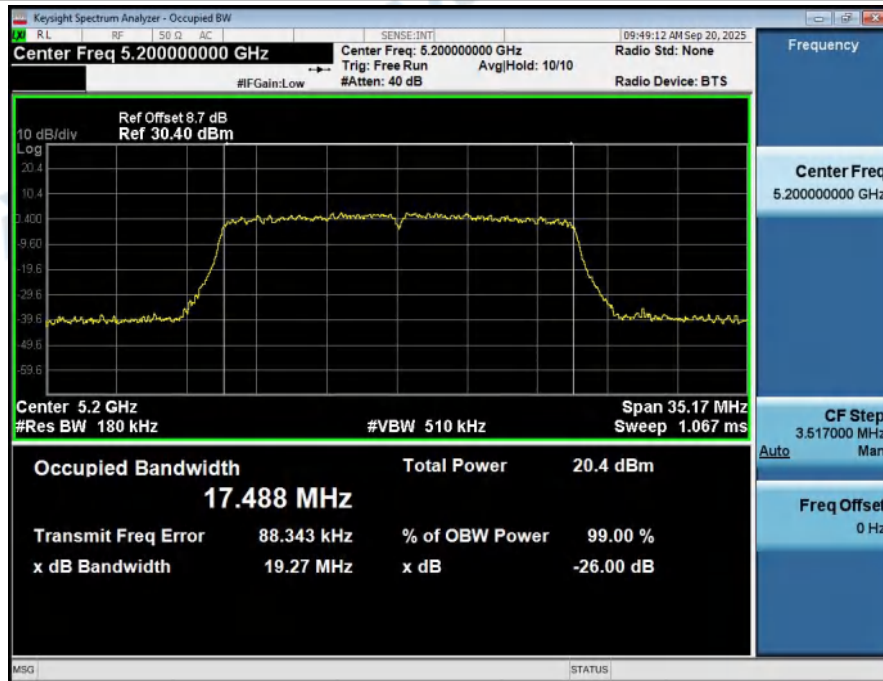
99%_OCB_NVNT_ANT1_802_11n(HT20)_5200



-26BW_NVNT_ANT1_802_11n(HT20)_5200



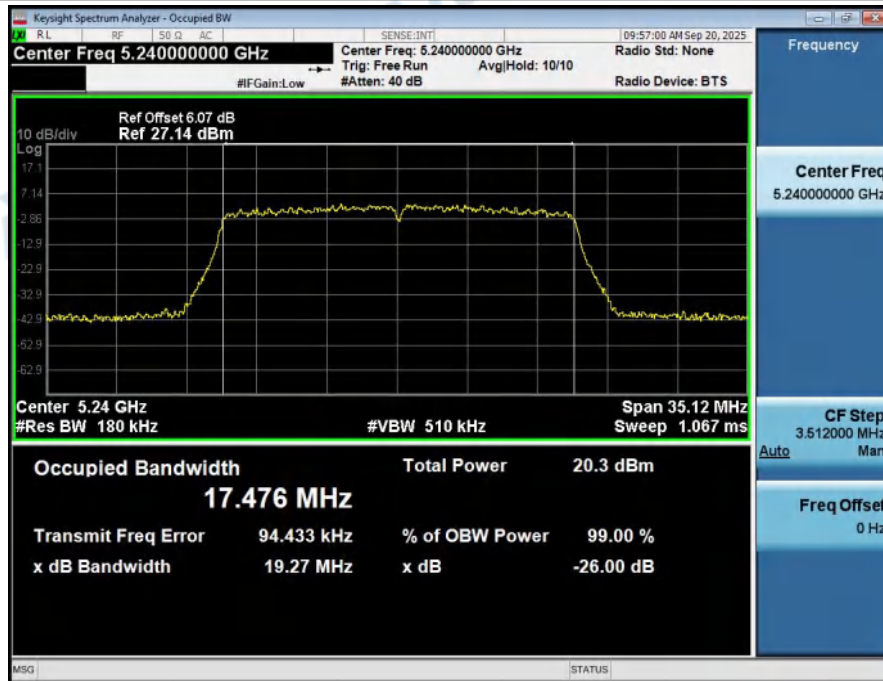
99%_OCB_NVNT_ANT2_802_11n(HT20)_5200



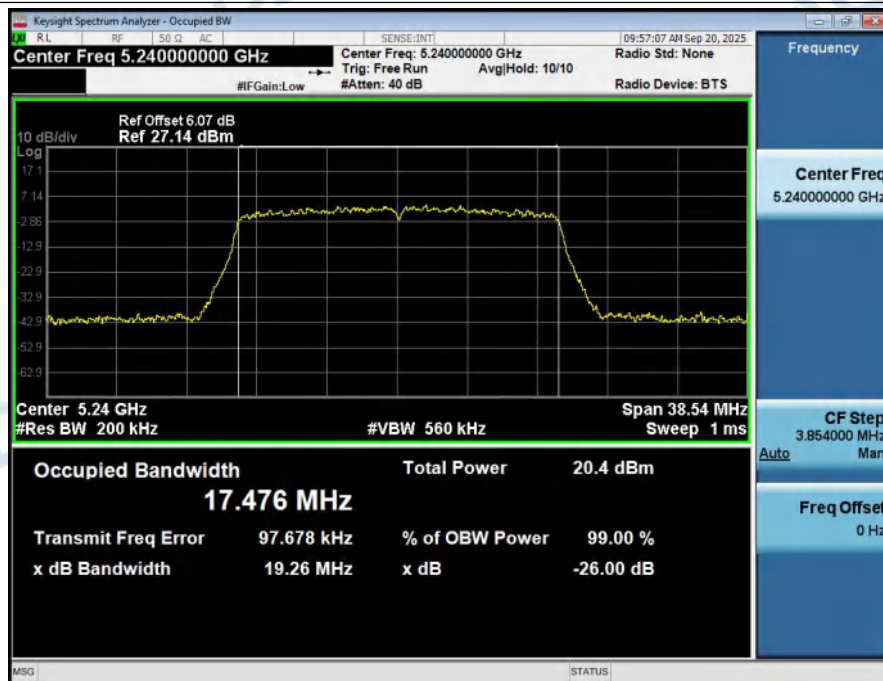
-26BW_NVNT_ANT2_802_11n(HT20)_5200



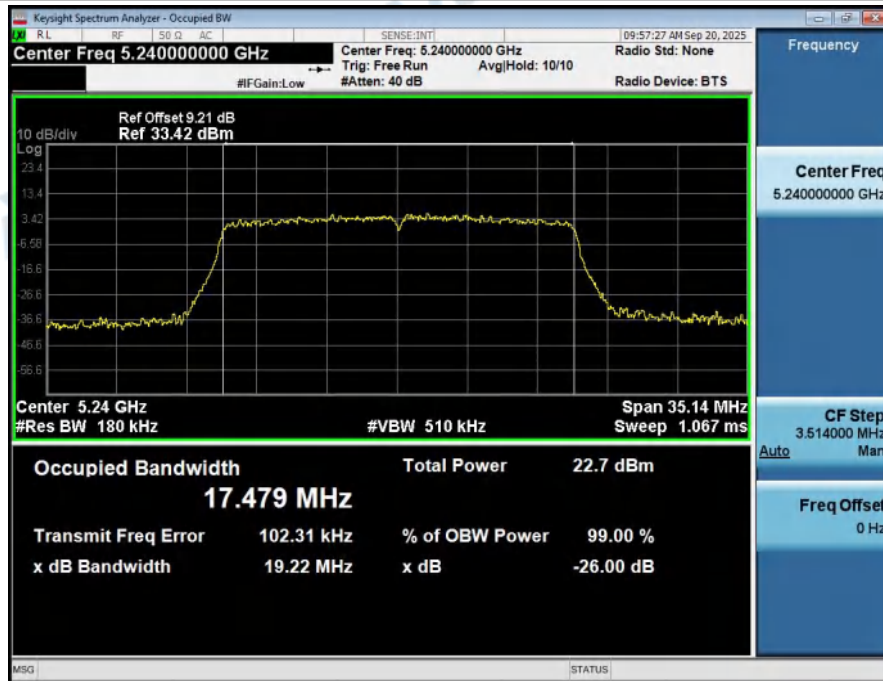
99%_OCB_NVNT_ANT1_802_11n(HT20)_5240



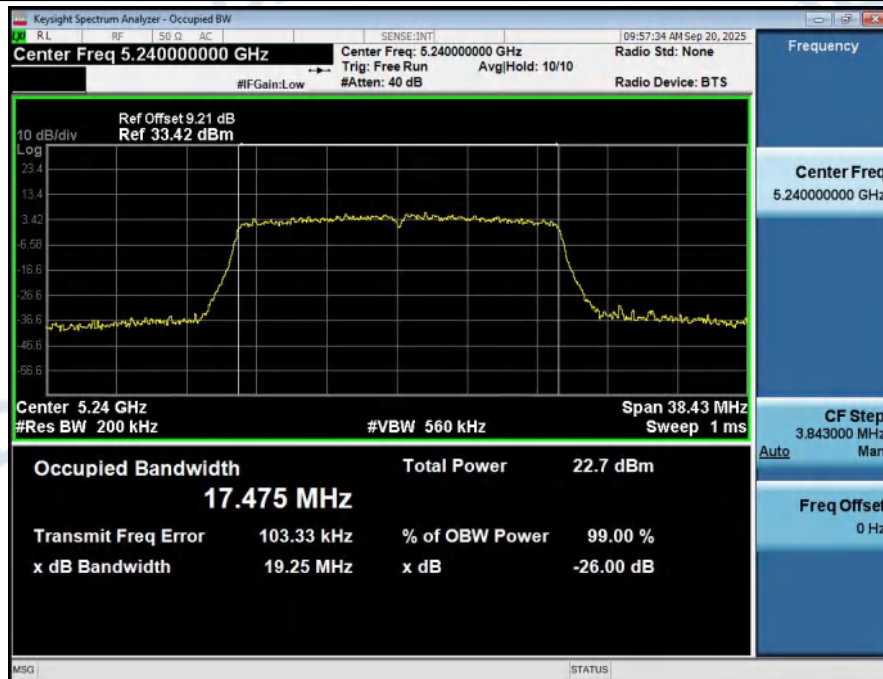
-26BW_NVNT_ANT1_802_11n(HT20)_5240



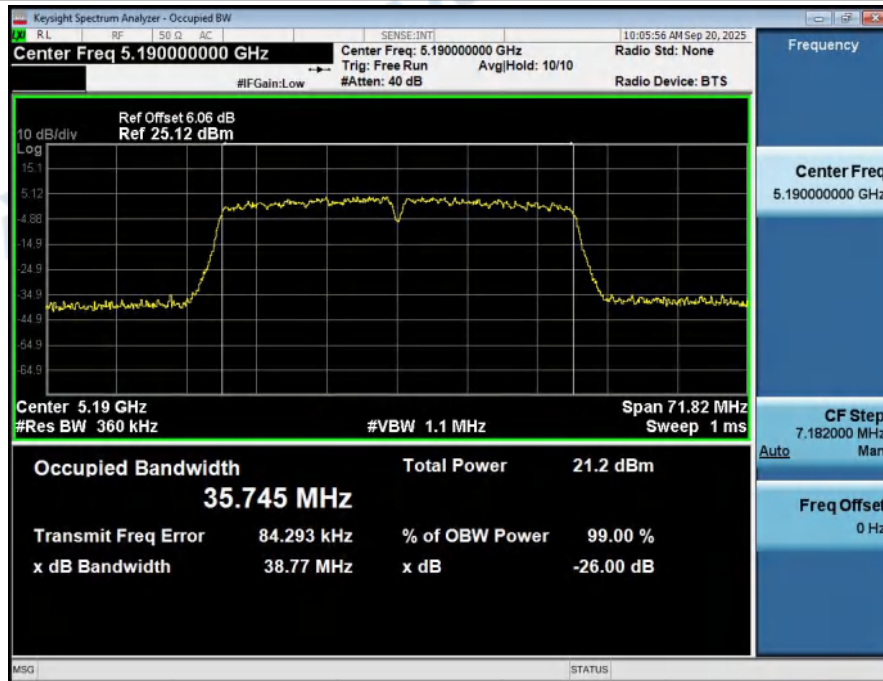
99%_OCB_NVNT_ANT2_802_11n(HT20)_5240



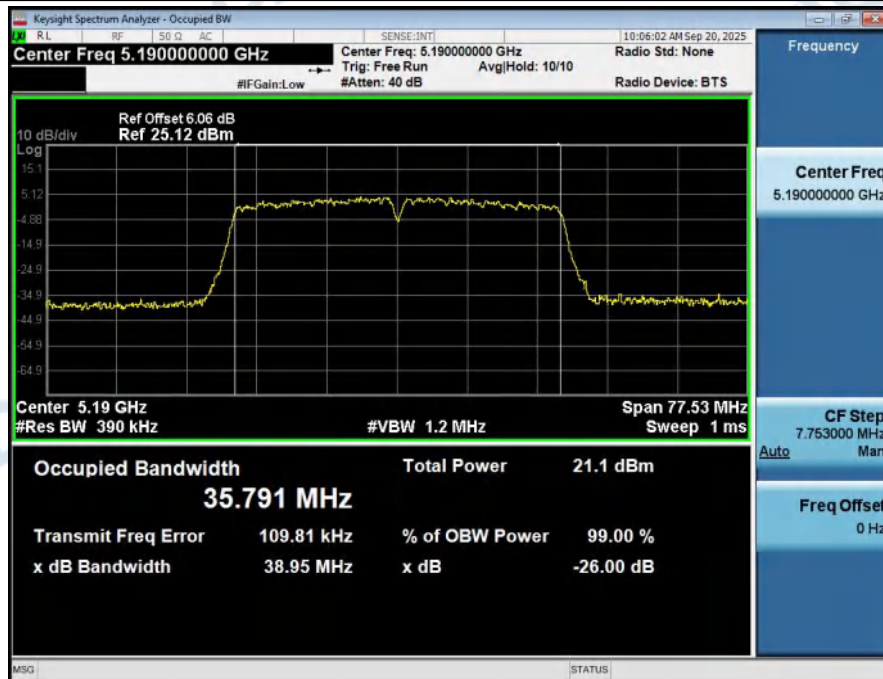
-26BW_NVNT_ANT2_802_11n(HT20)_5240



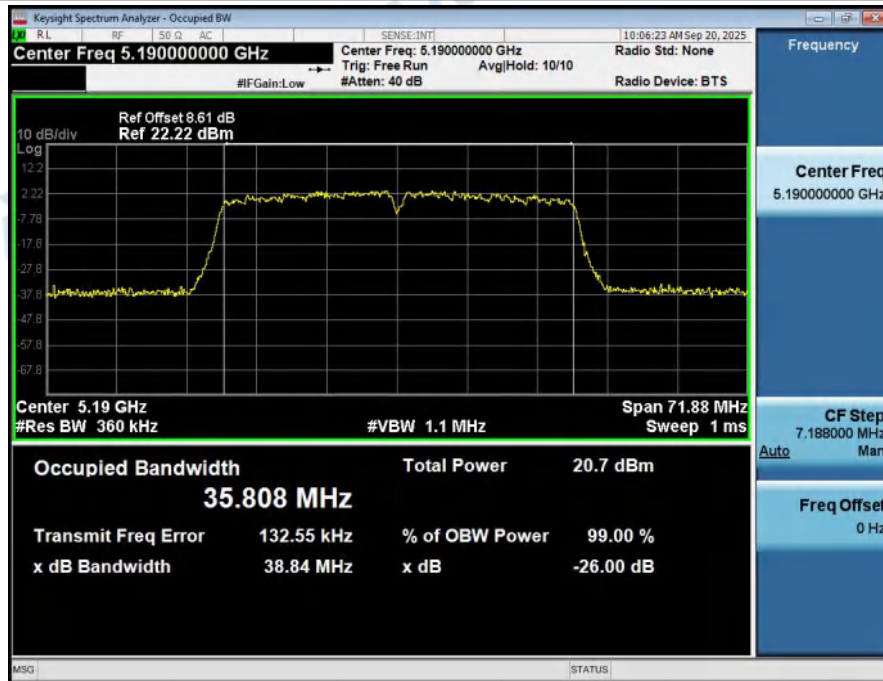
99%_OCB_NVNT_ANT1_802_11n(HT40)_5190



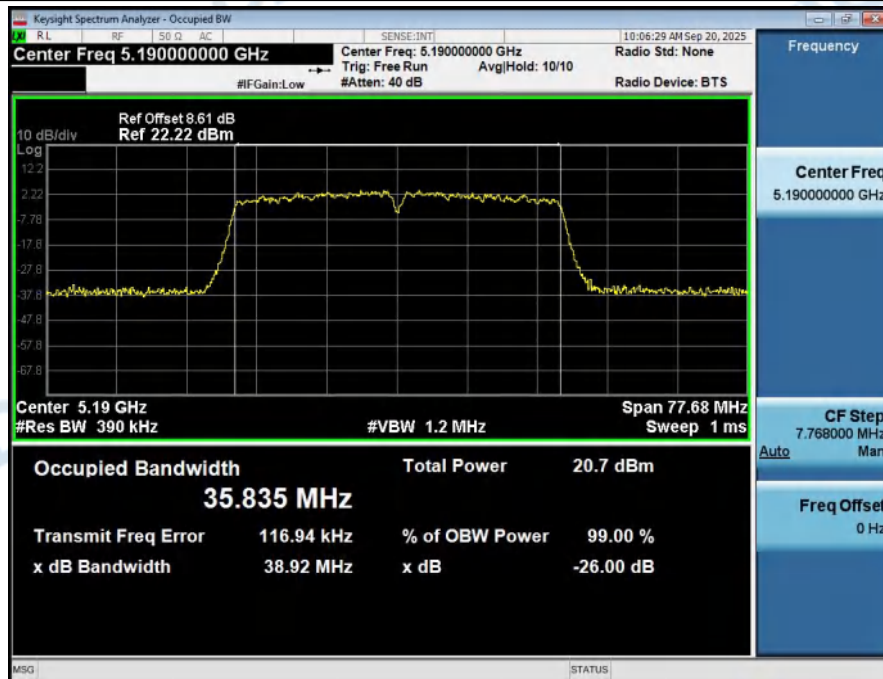
-26BW_NVNT_ANT1_802_11n(HT40)_5190



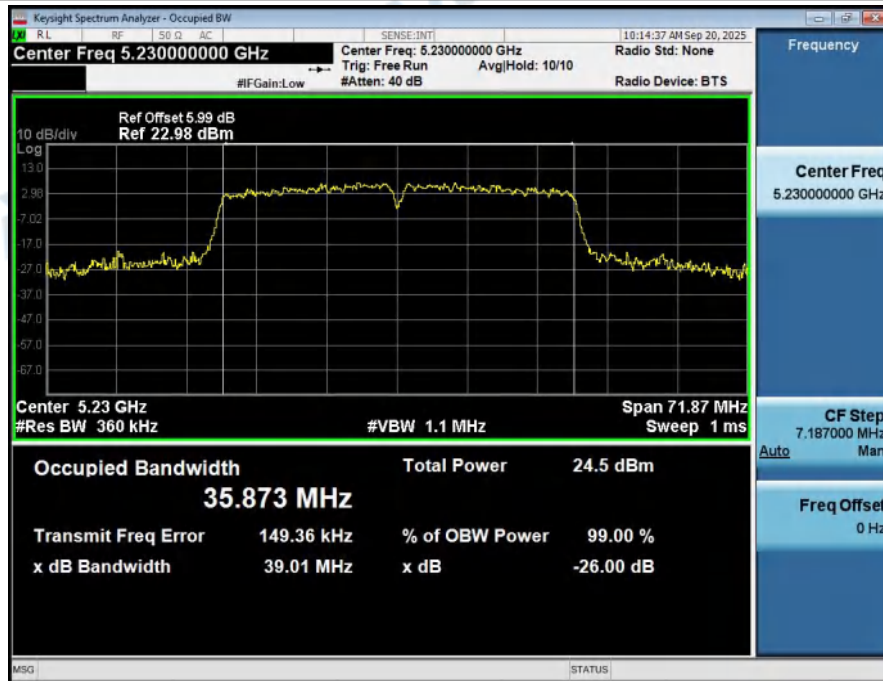
99%_OCB_NVNT_ANT2_802_11n(HT40)_5190



-26BW_NVNT_ANT2_802_11n(HT40)_5190



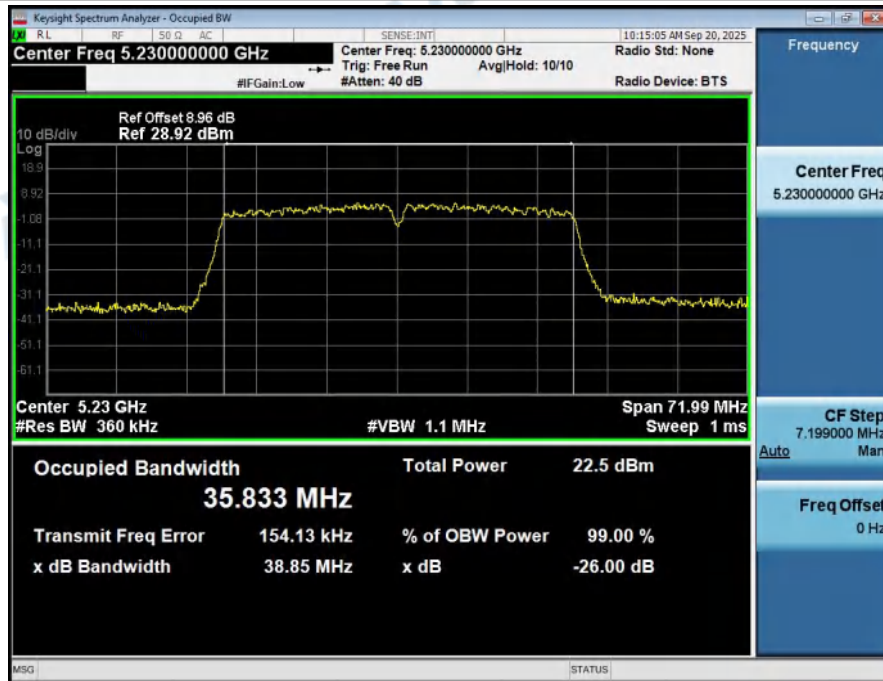
99%_OCB_NVNT_ANT1_802_11n(HT40)_5230



-26BW_NVNT_ANT1_802_11n(HT40)_5230



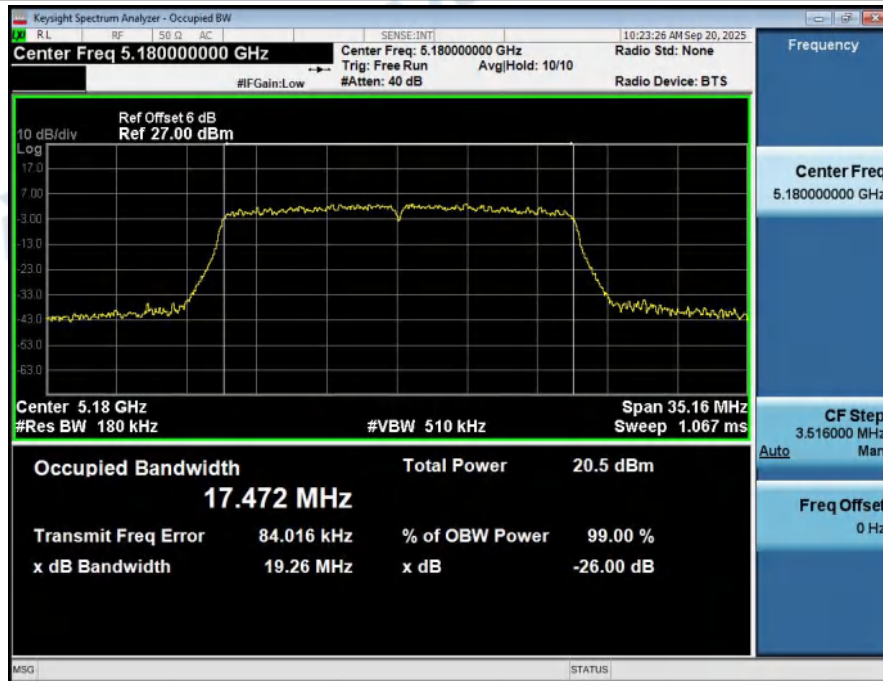
99%_OCB_NVNT_ANT2_802_11n(HT40)_5230



-26BW_NVNT_ANT2_802_11n(HT40)_5230



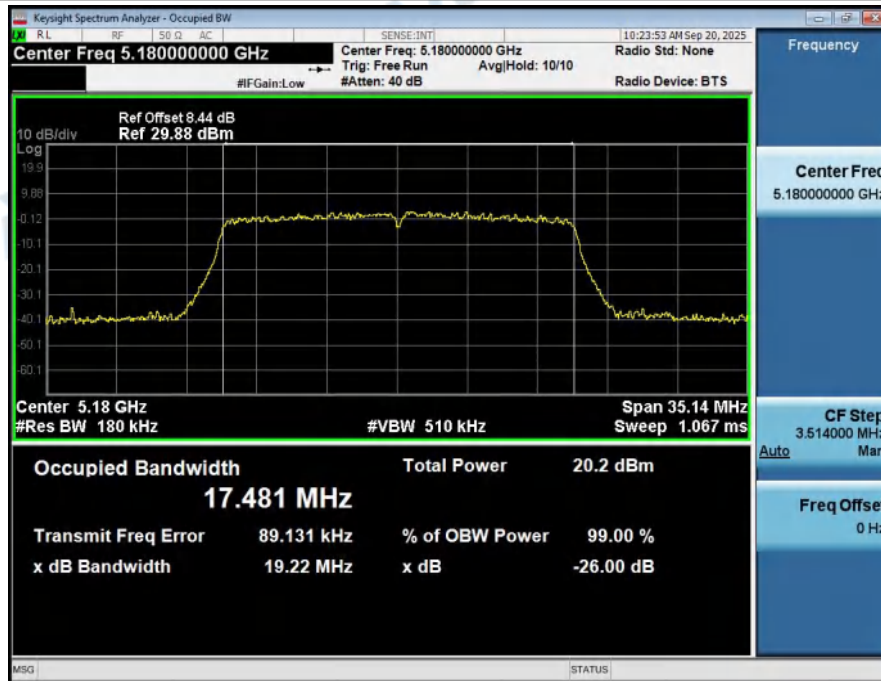
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5180



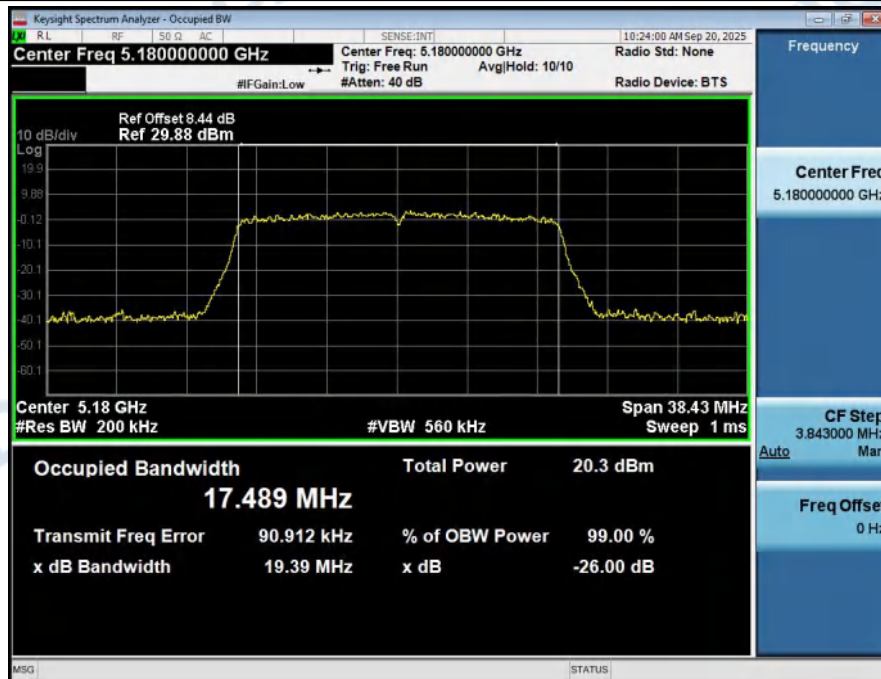
-26BW_NVNT_ANT1_802_11ac(VHT20)_5180



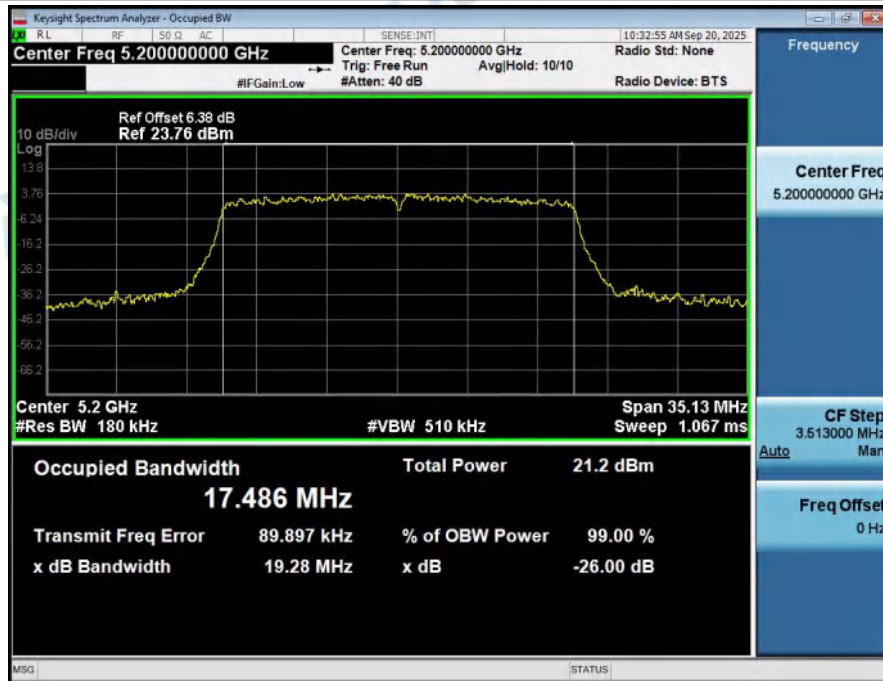
99%_OCB_NVNT_ANT2_802_11ac(VHT20)_5180



-26BW_NVNT_ANT2_802_11ac(VHT20)_5180



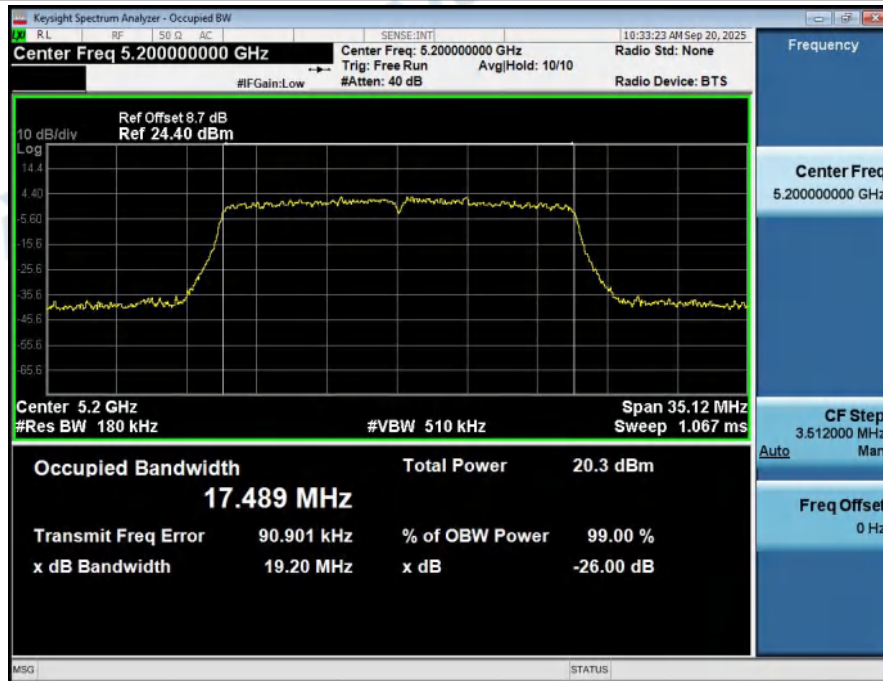
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5200



-26BW_NVNT_ANT1_802_11ac(VHT20)_5200



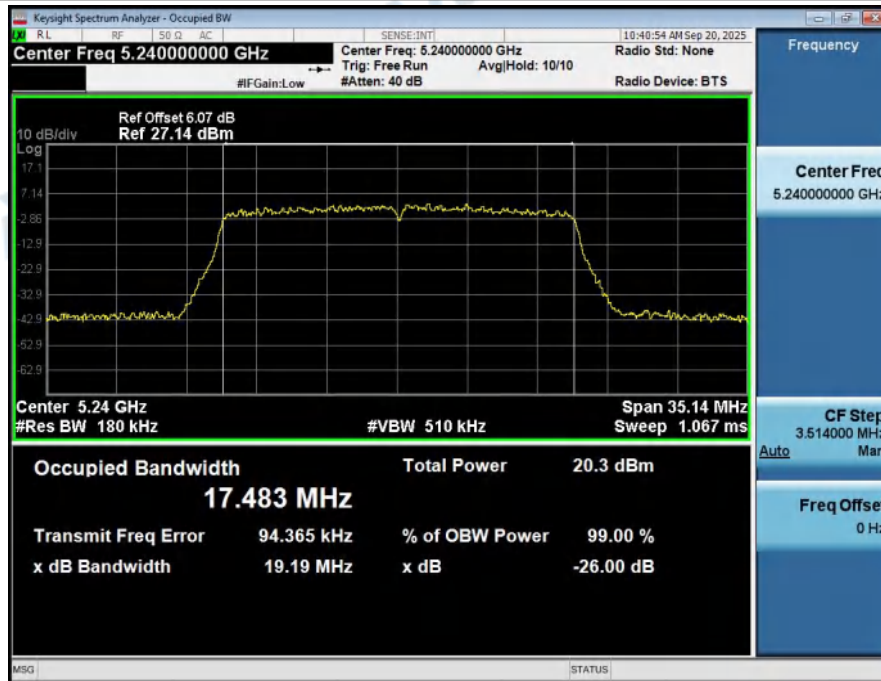
99%_OCB_NVNT_ANT2_802_11ac(VHT20)_5200



-26BW_NVNT_ANT2_802_11ac(VHT20)_5200



99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5240



-26BW_NVNT_ANT1_802_11ac(VHT20)_5240



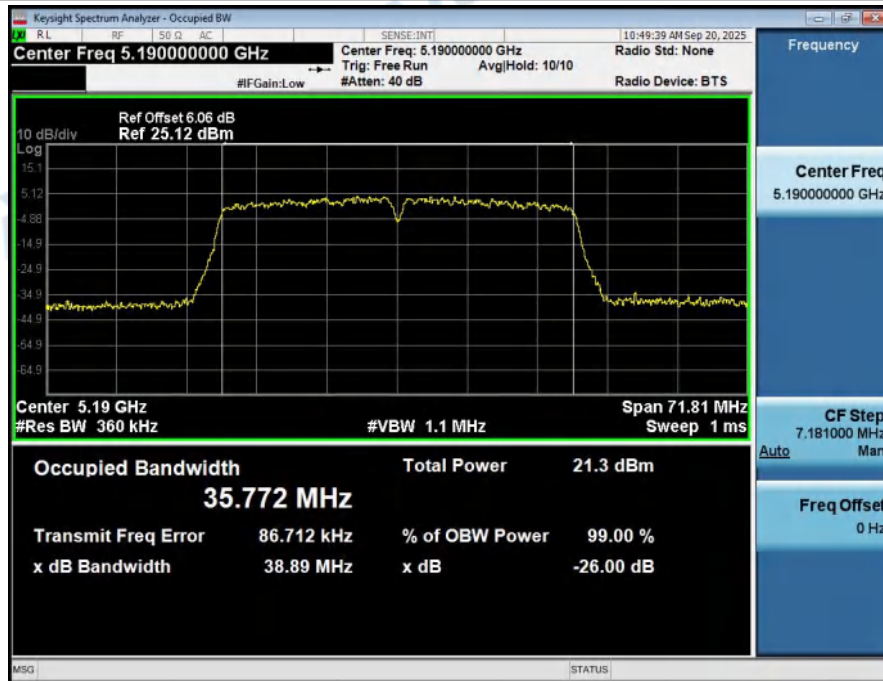
99%_OCB_NVNT_ANT2_802_11ac(VHT20)_5240



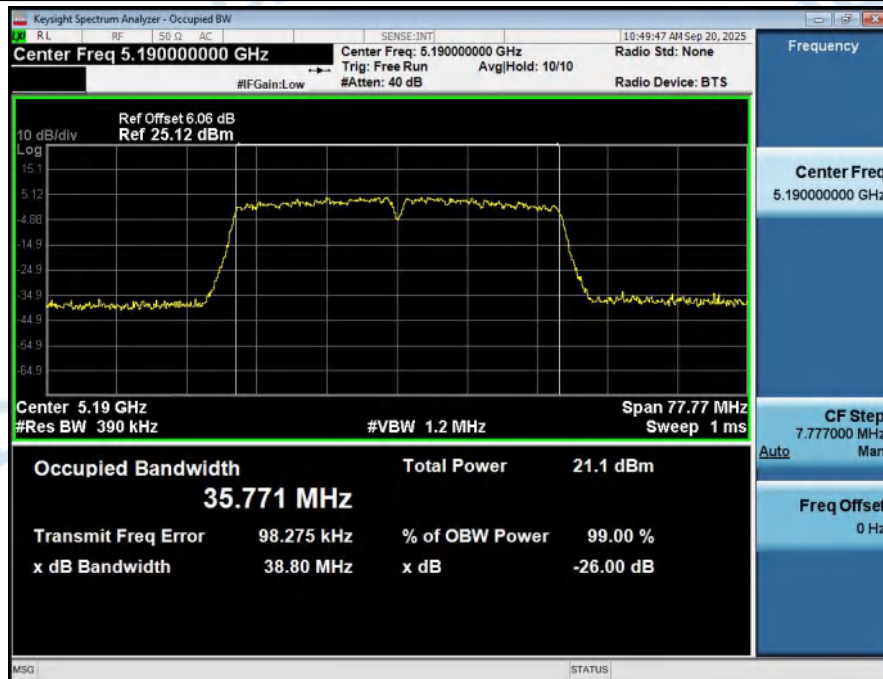
-26BW_NVNT_ANT2_802_11ac(VHT20)_5240



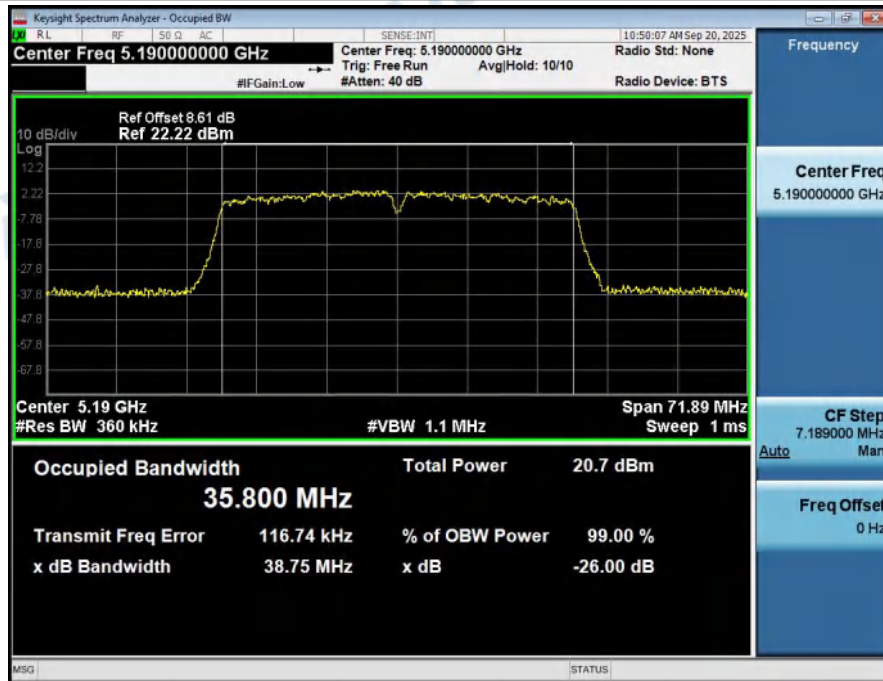
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5190



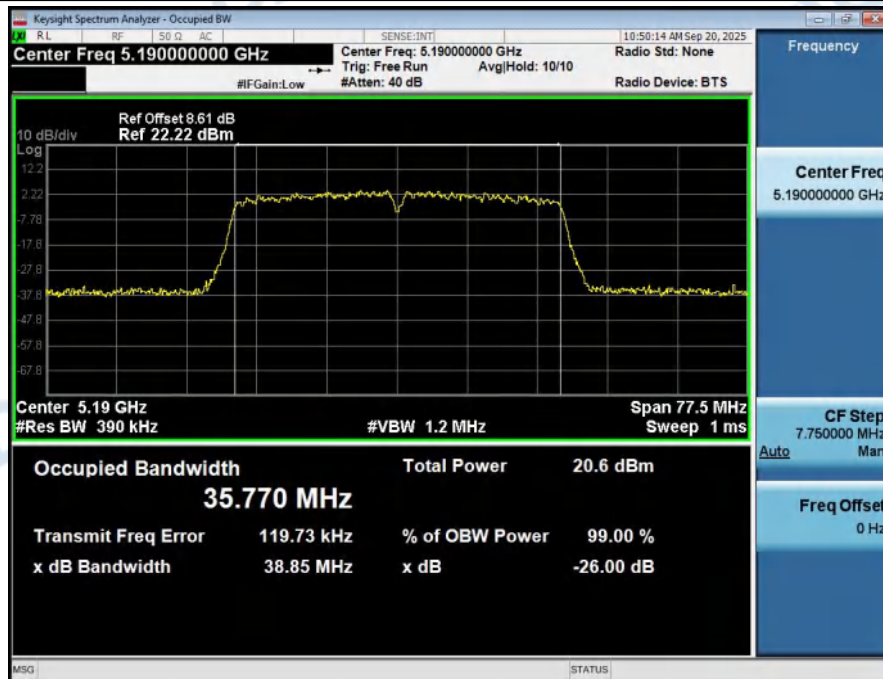
-26BW_NVNT_ANT1_802_11ac(VHT40)_5190



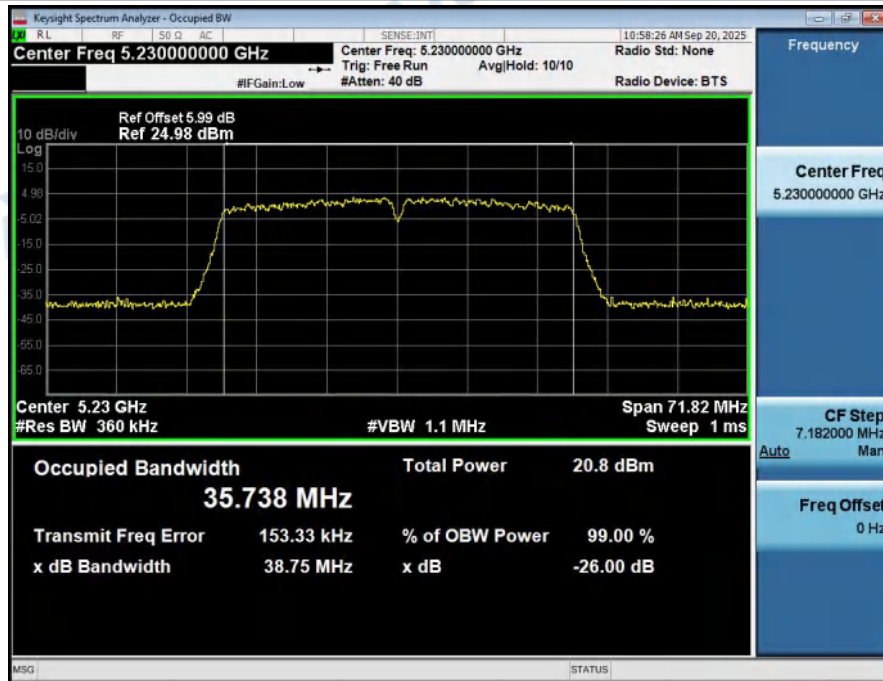
99%_OCB_NVNT_ANT2_802_11ac(VHT40)_5190



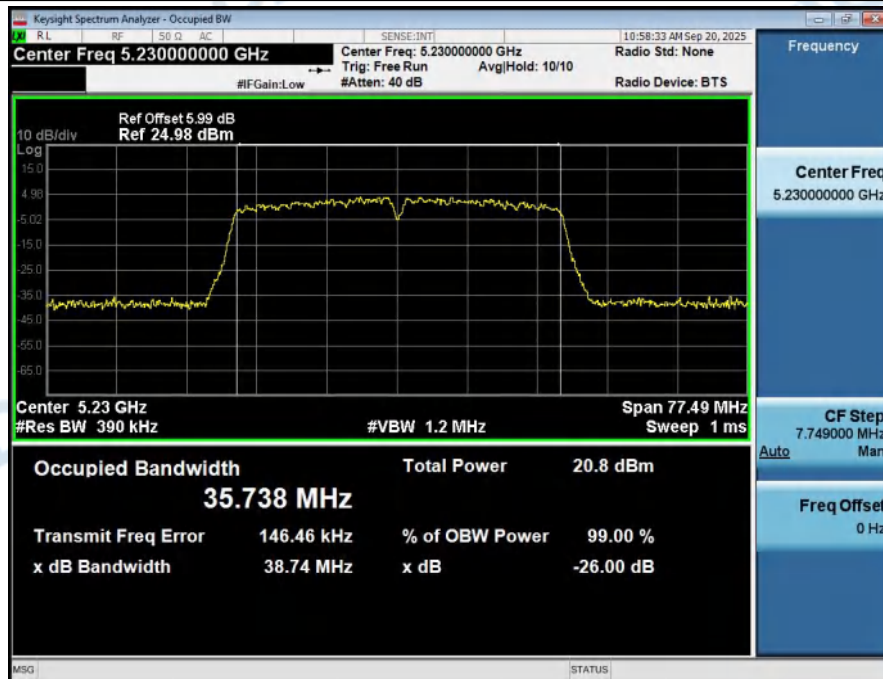
-26BW_NVNT_ANT2_802_11ac(VHT40)_5190



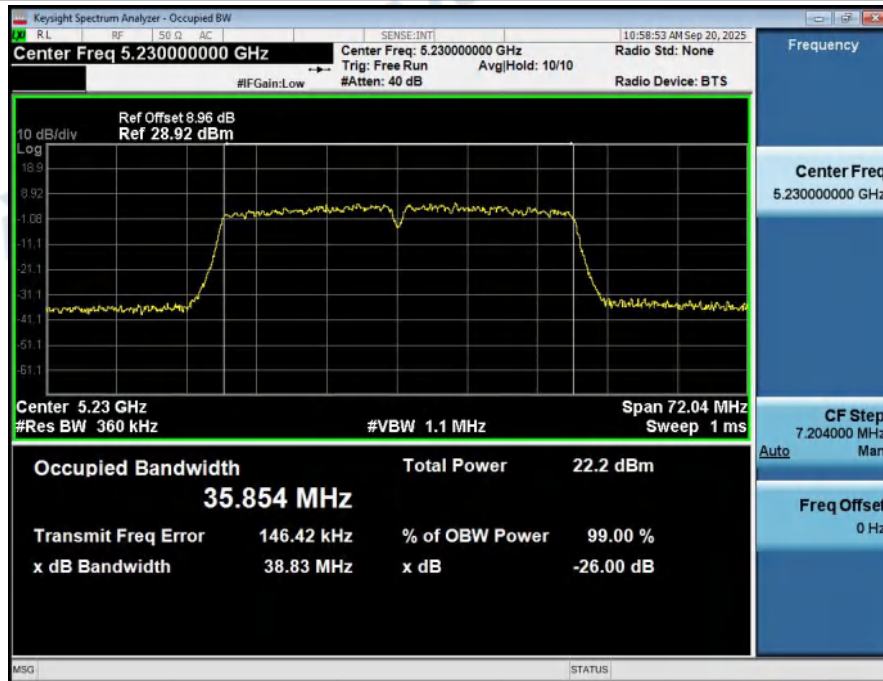
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5230



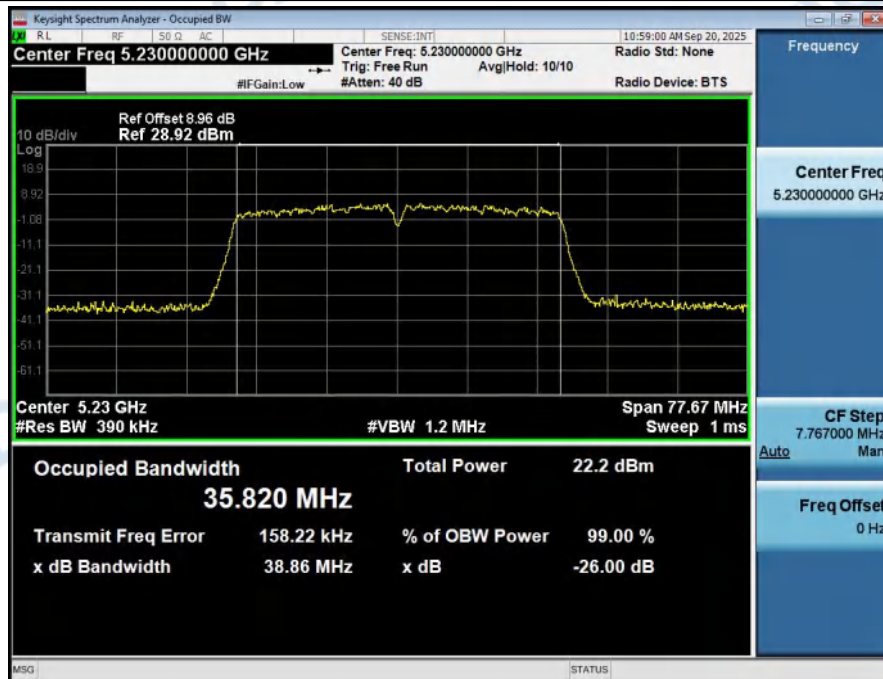
-26BW_NVNT_ANT1_802_11ac(VHT40)_5230



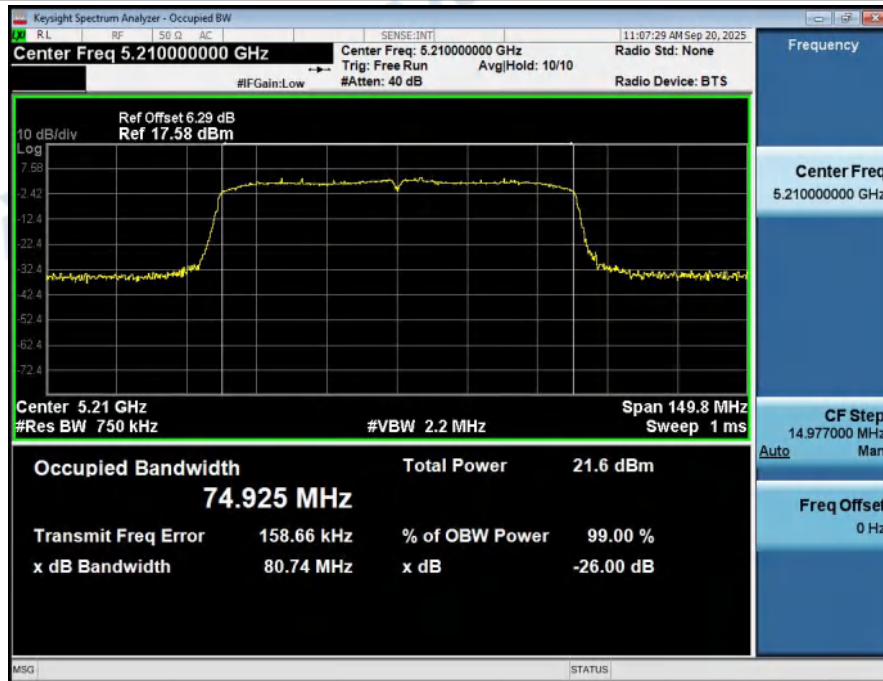
99%_OCB_NVNT_ANT2_802_11ac(VHT40)_5230



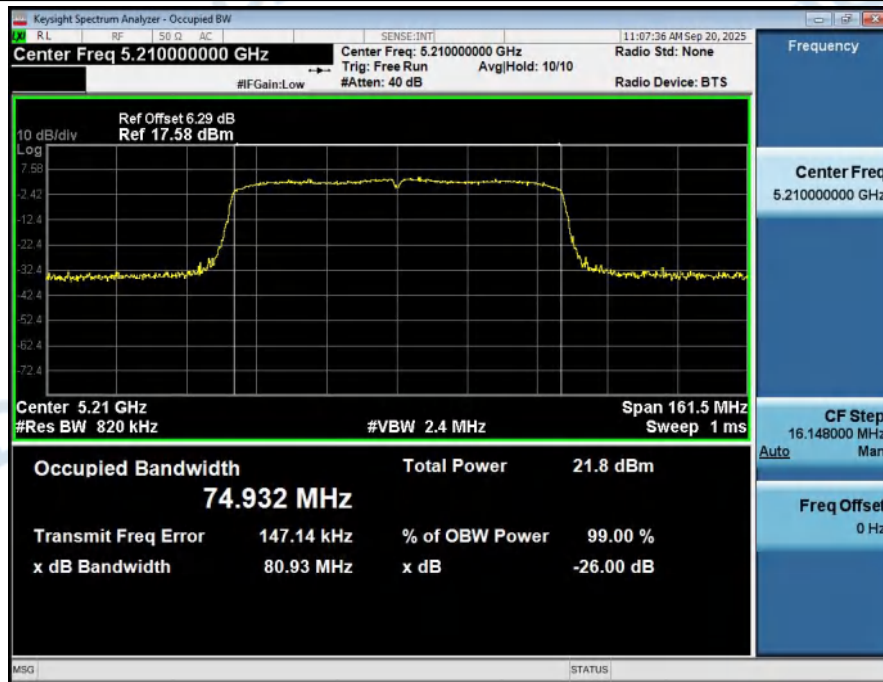
-26BW_NVNT_ANT2_802_11ac(VHT40)_5230



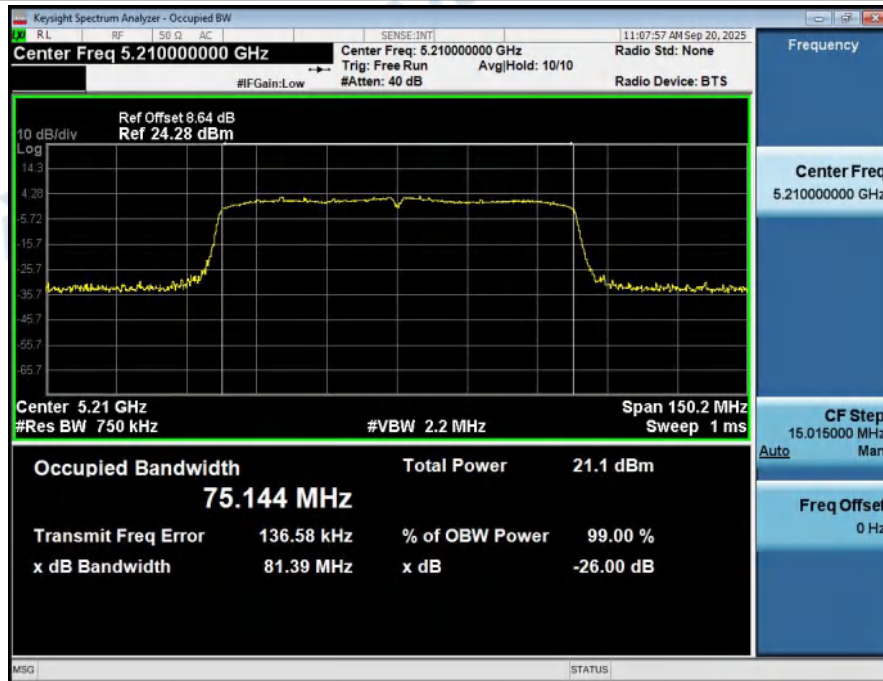
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5210



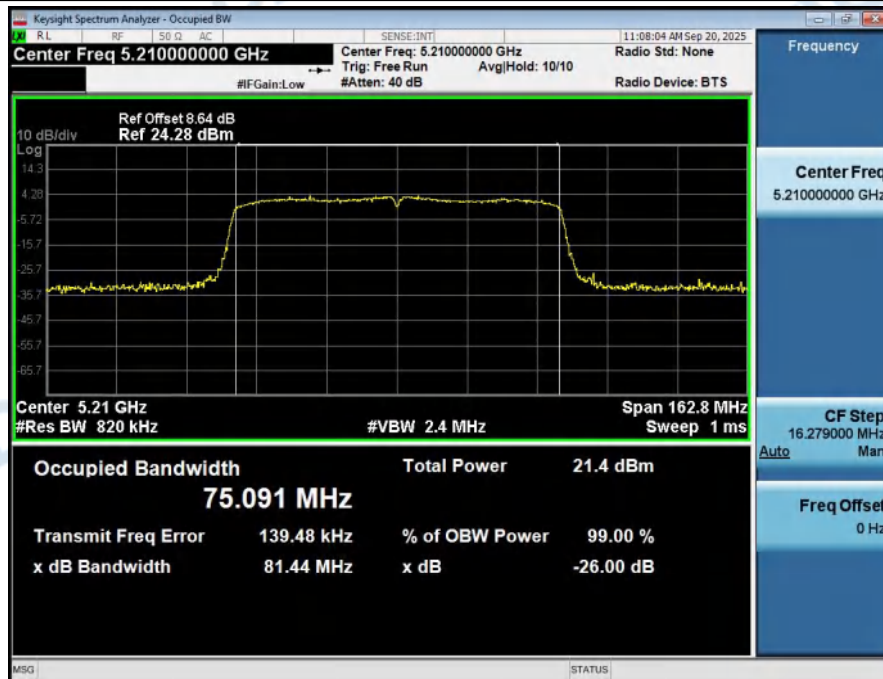
-26BW_NVNT_ANT1_802_11ac(VHT80)_5210



99%_OCB_NVNT_ANT2_802_11ac(VHT80)_5210



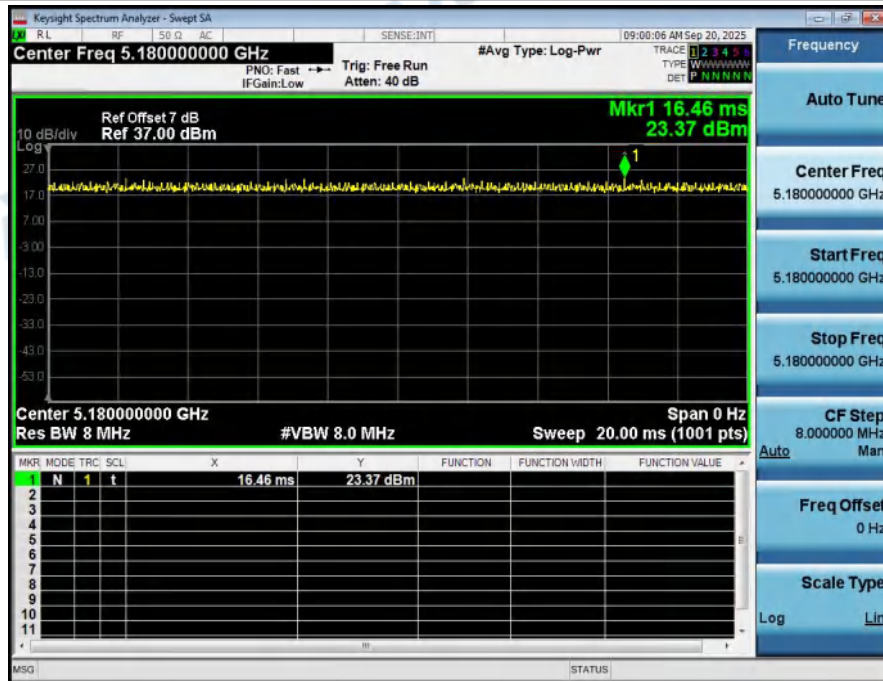
-26BW_NVNT_ANT2_802_11ac(VHT80)_5210



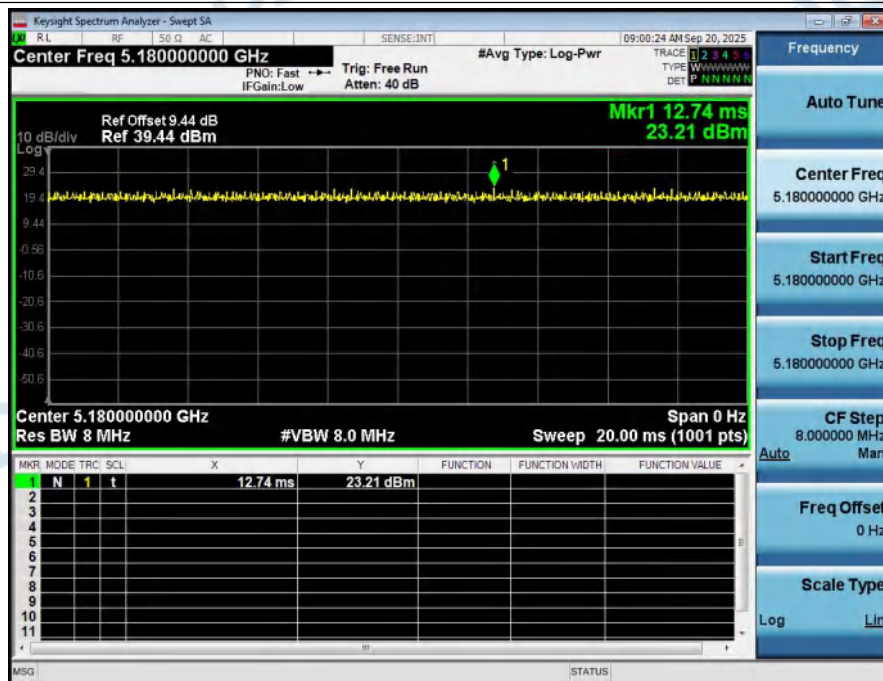
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	100	0.00
NVNT	ANT2	802.11a	5180.00	100	0.00
NVNT	ANT1	802.11a	5200.00	100	0.00
NVNT	ANT2	802.11a	5200.00	100	0.00
NVNT	ANT1	802.11a	5240.00	100	0.00
NVNT	ANT2	802.11a	5240.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5180.00	100	0.00
NVNT	ANT2	802.11n(HT20)	5180.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5200.00	100	0.00
NVNT	ANT2	802.11n(HT20)	5200.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5240.00	100	0.00
NVNT	ANT2	802.11n(HT20)	5240.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5190.00	100	0.00
NVNT	ANT2	802.11n(HT40)	5190.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5230.00	100	0.00
NVNT	ANT2	802.11n(HT40)	5230.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5180.00	100	0.00
NVNT	ANT2	802.11ac(VHT20)	5180.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5200.00	100	0.00
NVNT	ANT2	802.11ac(VHT20)	5200.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5240.00	100	0.00
NVNT	ANT2	802.11ac(VHT20)	5240.00	100	0.00
NVNT	ANT1	802.11ac(VHT40)	5190.00	100	0.00
NVNT	ANT2	802.11ac(VHT40)	5190.00	100	0.00
NVNT	ANT1	802.11ac(VHT40)	5230.00	100	0.00
NVNT	ANT2	802.11ac(VHT40)	5230.00	100	0.00
NVNT	ANT1	802.11ac(VHT80)	5210.00	100	0.00
NVNT	ANT2	802.11ac(VHT80)	5210.00	100	0.00

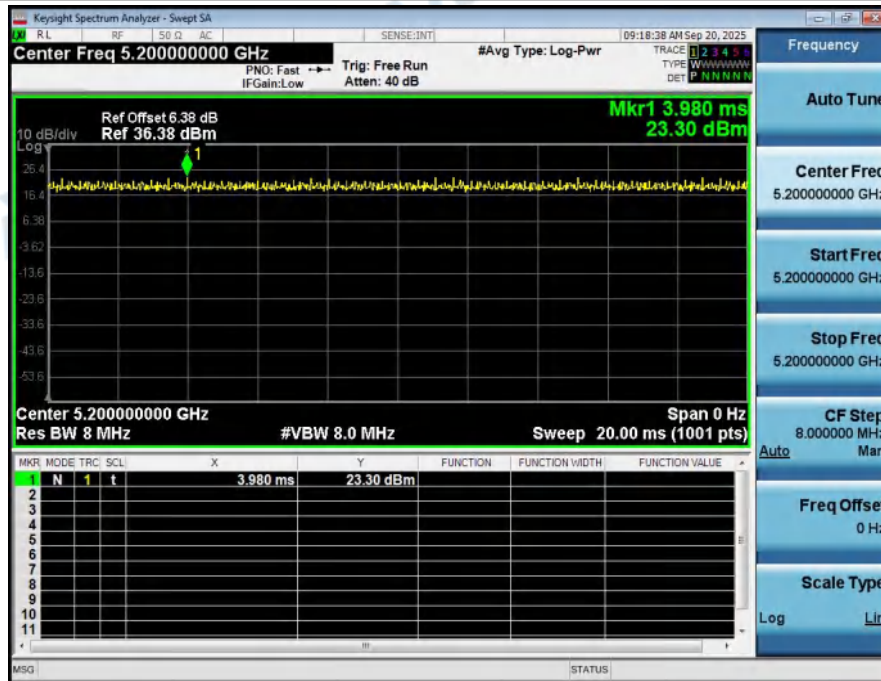
Duty_Cycle_NVNT_ANT1_802_11a_5180



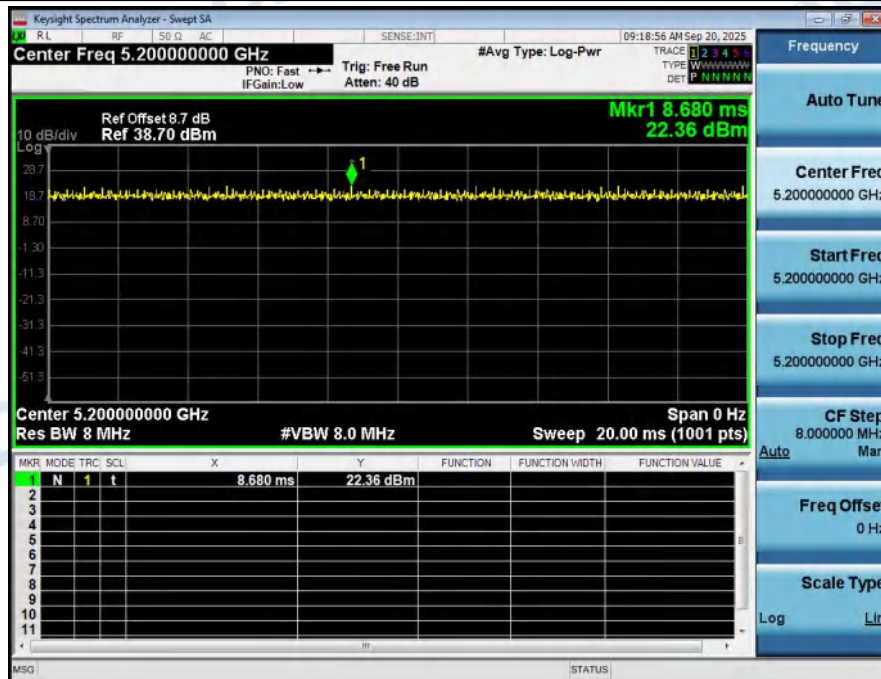
Duty_Cycle_NVNT_ANT2_802_11a_5180



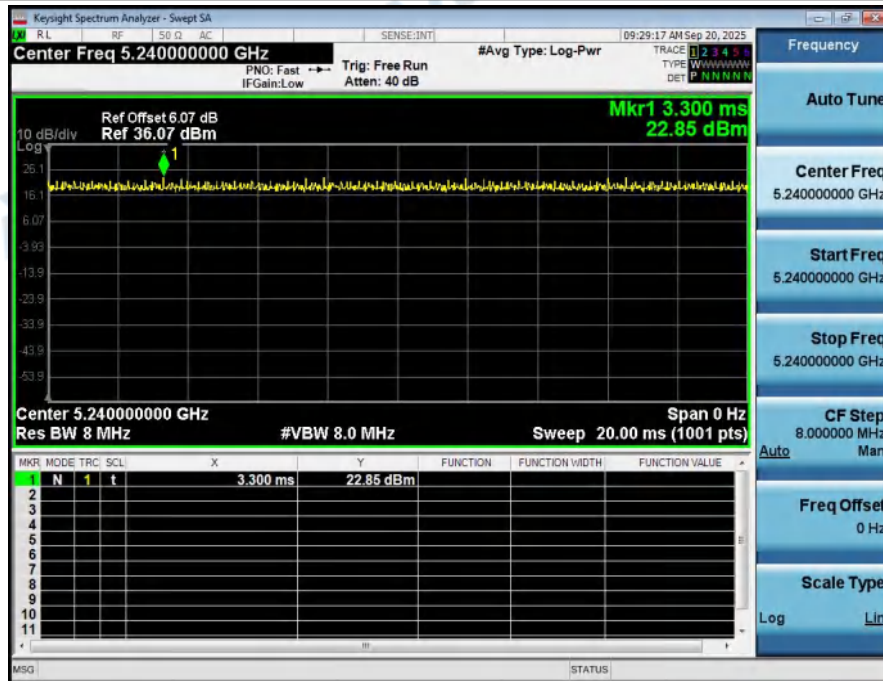
Duty_Cycle_NVNT_ANT1_802_11a_5200



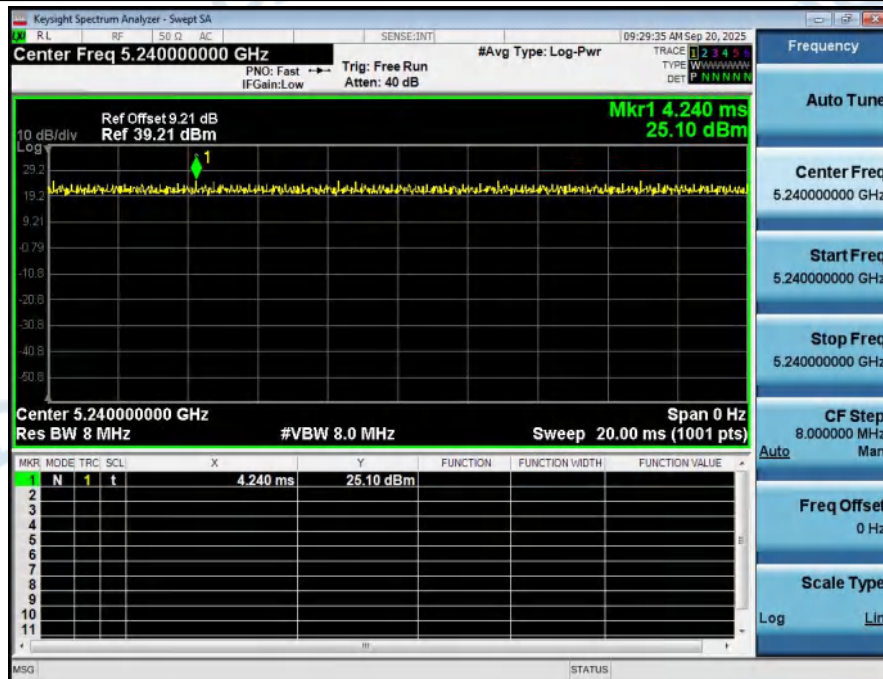
Duty_Cycle_NVNT_ANT2_802_11a_5200



Duty_Cycle_NVNT_ANT1_802_11a_5240



Duty_Cycle_NVNT_ANT2_802_11a_5240



3. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	15.10	23.98	Pass
NVNT	ANT2	802.11a	5180.00	15.97	23.98	Pass
NVNT	ANT1	802.11a	5200.00	15.00	23.98	Pass
NVNT	ANT2	802.11a	5200.00	14.17	23.98	Pass
NVNT	ANT1	802.11a	5240.00	14.61	23.98	Pass
NVNT	ANT2	802.11a	5240.00	14.68	23.98	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	12.27	23.98	Pass
NVNT	ANT2	802.11n(HT20)	5180.00	12.01	23.98	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	12.14	23.98	Pass
NVNT	ANT2	802.11n(HT20)	5200.00	12.4	23.98	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	12.47	23.98	Pass
NVNT	ANT2	802.11n(HT20)	5240.00	12.63	23.98	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	14.62	23.98	Pass
NVNT	ANT2	802.11n(HT40)	5190.00	14.26	23.98	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	14.83	23.98	Pass
NVNT	ANT2	802.11n(HT40)	5230.00	14.00	23.98	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	12.25	23.98	Pass
NVNT	ANT2	802.11ac(VHT20)	5180.00	12.08	23.98	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	12.91	23.98	Pass
NVNT	ANT2	802.11ac(VHT20)	5200.00	12.41	23.98	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	12.17	23.98	Pass
NVNT	ANT2	802.11ac(VHT20)	5240.00	12.41	23.98	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	14.76	23.98	Pass
NVNT	ANT2	802.11ac(VHT40)	5190.00	14.21	23.98	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	14.55	23.98	Pass
NVNT	ANT2	802.11ac(VHT40)	5230.00	14.83	23.98	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	14.93	23.98	Pass
NVNT	ANT2	802.11ac(VHT80)	5210.00	14.19	23.98	Pass

Condition	Antenna	Mode	Frequency(MHz)	MIMO_Conducted_Power (dBm)	Limit(dBm)	Result
NVNT	MIMO_TX	802.11n(HT20)	5180.00	15.15	23.98	Pass
NVNT	MIMO_TX	802.11n(HT20)	5200.00	15.28	23.98	Pass
NVNT	MIMO_TX	802.11n(HT20)	5240.00	15.56	23.98	Pass
NVNT	MIMO_TX	802.11n(HT40)	5190.00	17.45	23.98	Pass
NVNT	MIMO_TX	802.11n(HT40)	5230.00	17.44	23.98	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5180.00	15.18	23.98	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5200.00	15.68	23.98	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5240.00	15.30	23.98	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5190.00	17.50	23.98	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5230.00	17.70	23.98	Pass
NVNT	MIMO_TX	802.11ac(VHT80)	5210.00	17.58	23.98	Pass

4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	ANT Gain(dBi)	EIRP (dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	2.38	5.03	7.41	11	Pass
NVNT	ANT2	802.11a	5180.00	2.03	5.13	7.16	11	Pass
NVNT	ANT1	802.11a	5200.00	2.30	5.03	7.33	11	Pass
NVNT	ANT2	802.11a	5200.00	1.74	5.13	6.87	11	Pass
NVNT	ANT1	802.11a	5240.00	1.87	5.03	6.9	11	Pass
NVNT	ANT2	802.11a	5240.00	3.90	5.13	9.03	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	1.17	5.03	6.2	11	Pass
NVNT	ANT2	802.11n(HT20)	5180.00	1.08	5.13	6.21	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	1.93	5.03	6.96	11	Pass
NVNT	ANT2	802.11n(HT20)	5200.00	1.49	5.13	6.62	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	1.23	5.03	6.26	11	Pass
NVNT	ANT2	802.11n(HT20)	5240.00	3.58	5.13	8.71	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-1.12	5.03	3.91	11	Pass
NVNT	ANT2	802.11n(HT40)	5190.00	-1.63	5.13	3.5	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	1.98	5.03	7.01	11	Pass
NVNT	ANT2	802.11n(HT40)	5230.00	0.23	5.13	5.36	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	1.10	5.03	6.13	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5180.00	1.08	5.13	6.21	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	2.14	5.03	7.17	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5200.00	1.30	5.13	6.43	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	1.68	5.03	6.71	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5240.00	3.43	5.13	8.56	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-1.30	5.03	3.73	11	Pass
NVNT	ANT2	802.11ac(VHT40)	5190.00	-1.49	5.13	3.64	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-0.74	5.03	4.29	11	Pass
NVNT	ANT2	802.11ac(VHT40)	5230.00	0.02	5.13	5.15	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	-4.35	5.03	0.68	11	Pass
NVNT	ANT2	802.11ac(VHT80)	5210.00	-4.78	5.13	0.35	11	Pass

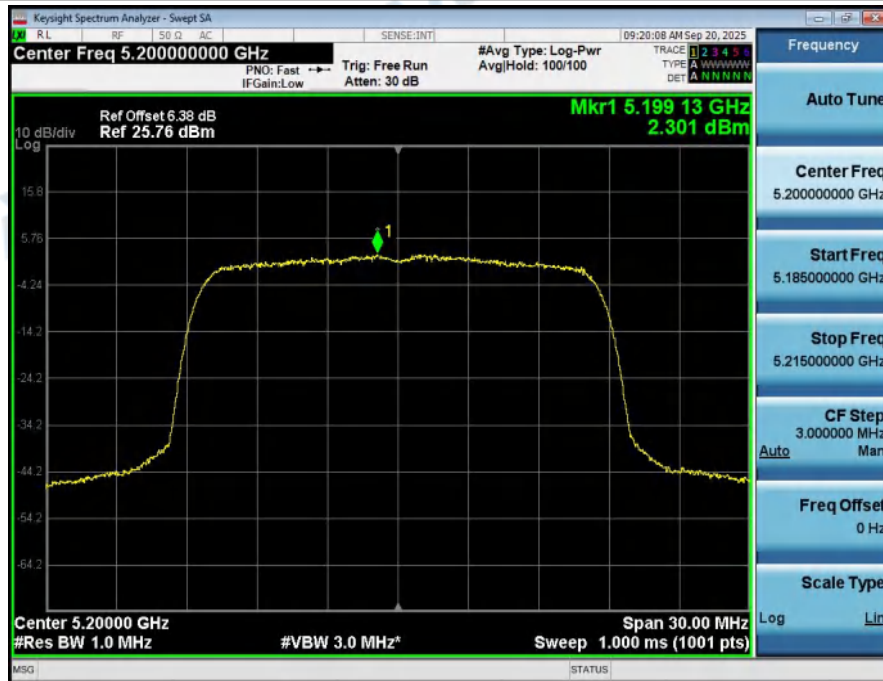
Power_Spectral_Density_NVNT_ANT1_802_11a_5180



Power_Spectral_Density_NVNT_ANT2_802_11a_5180



Power_Spectral_Density_NVNT_ANT1_802_11a_5200



Power_Spectral_Density_NVNT_ANT2_802_11a_5200



Power_Spectral_Density_NVNT_ANT1_802_11a_5240



Power_Spectral_Density_NVNT_ANT2_802_11a_5240



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5180



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5180



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5200



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5200



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5240



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_5240



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5190



Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_5190



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5230



Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_5230



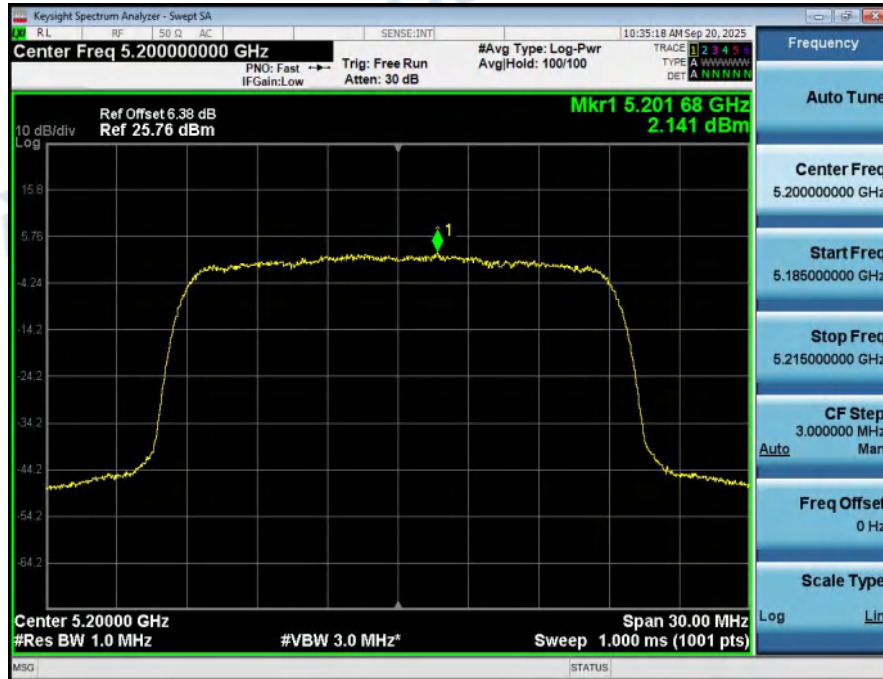
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5180



Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT20)_5180



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5200



Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT20)_5200



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5240



Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT20)_5240



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5190



Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT40)_5190



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5230



Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT40)_5230



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5210

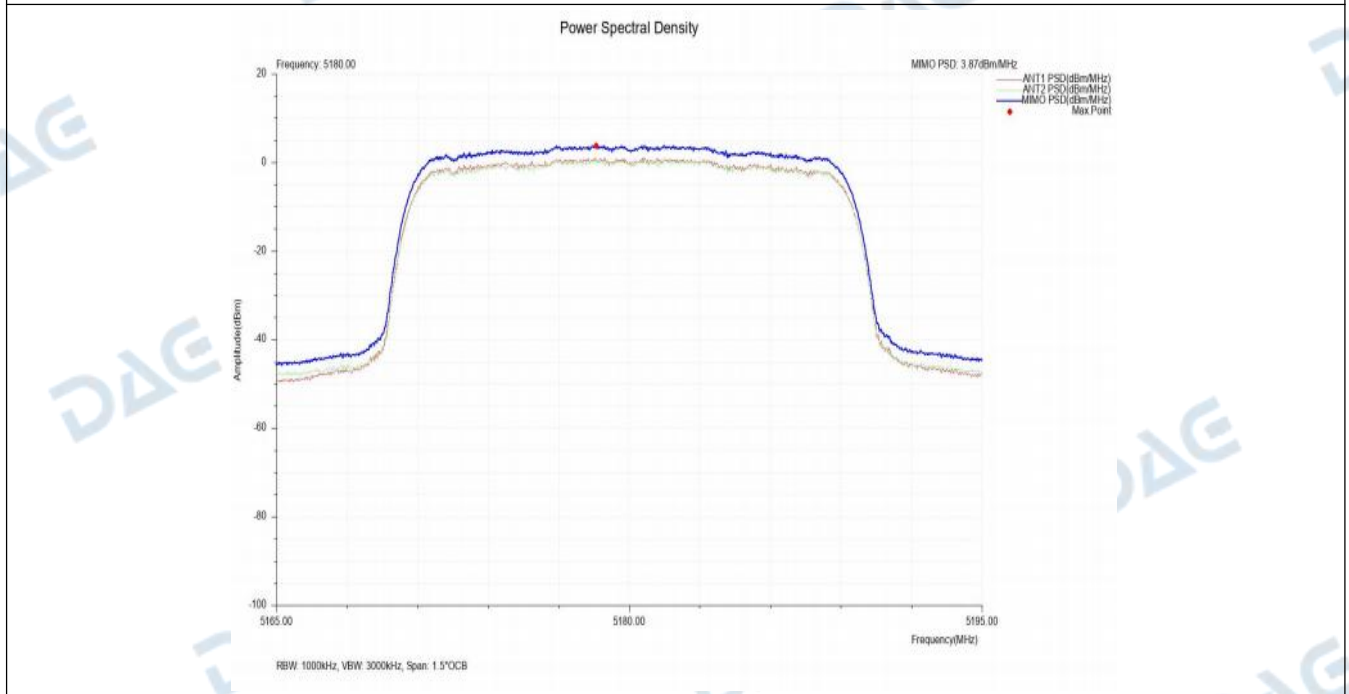


Power_Spectral_Density_NVNT_ANT2_802_11ac(VHT80)_5210

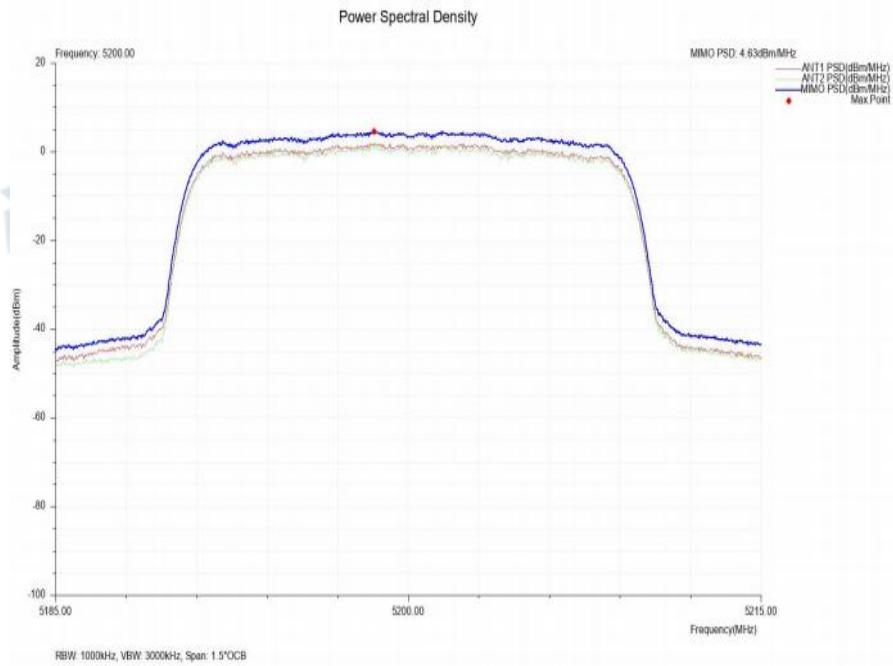


Condition	Antenna	Mode	Frequency (MHz)	MIMO PSD(dBm/MHz)	Limit(dBm/MHz)	Result
NVNT	MIMO_TX	802.11n(HT20)	5180.00	3.87	11	Pass
NVNT	MIMO_TX	802.11n(HT20)	5200.00	4.63	11	Pass
NVNT	MIMO_TX	802.11n(HT20)	5240.00	5.40	11	Pass
NVNT	MIMO_TX	802.11n(HT40)	5190.00	1.51	11	Pass
NVNT	MIMO_TX	802.11n(HT40)	5230.00	4.02	11	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5180.00	3.84	11	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5200.00	4.57	11	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5240.00	5.43	11	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5190.00	1.36	11	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5230.00	2.55	11	Pass
NVNT	MIMO_TX	802.11ac(VHT80)	5210.00	-1.63	11	Pass

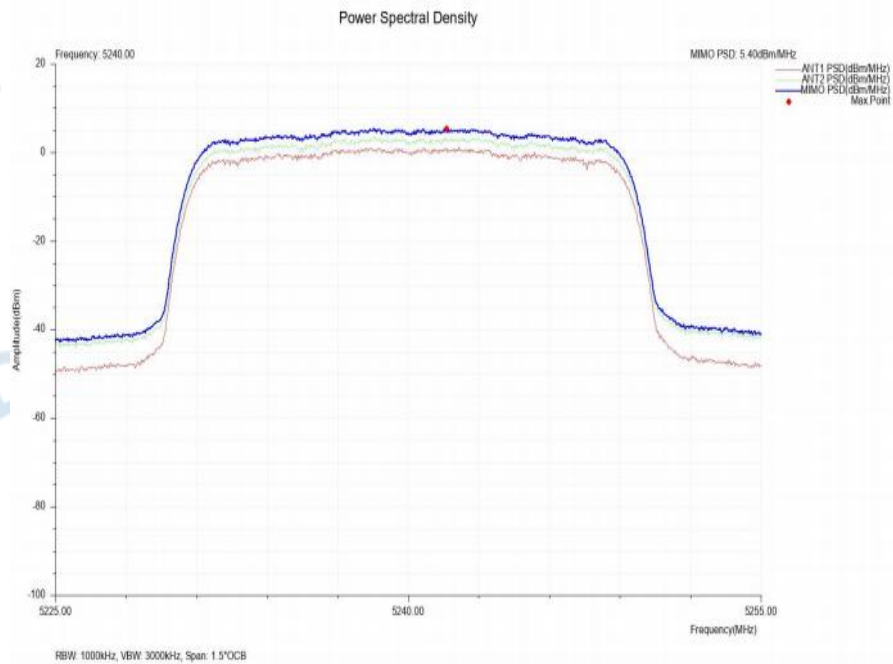
NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_5180



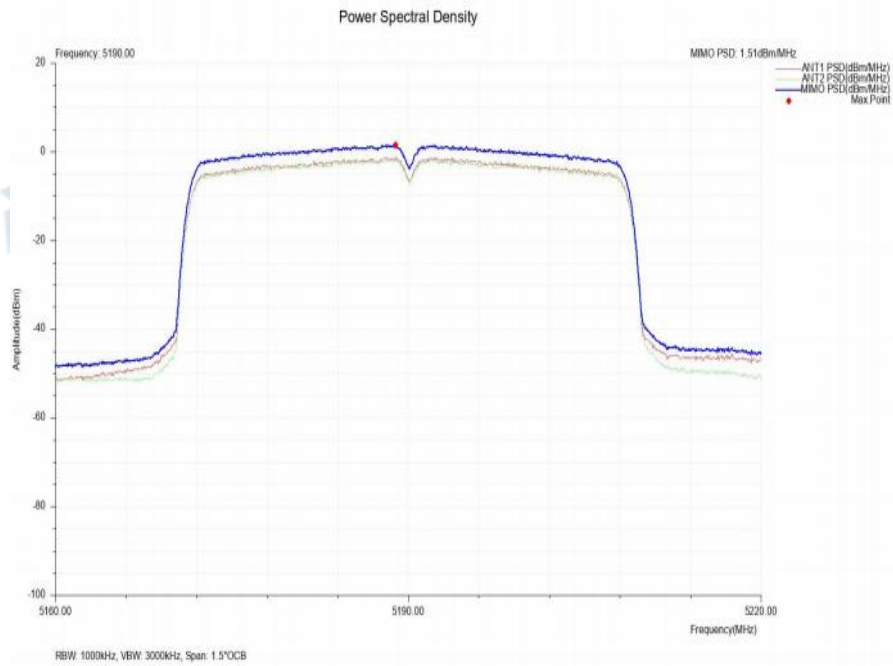
NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_5200



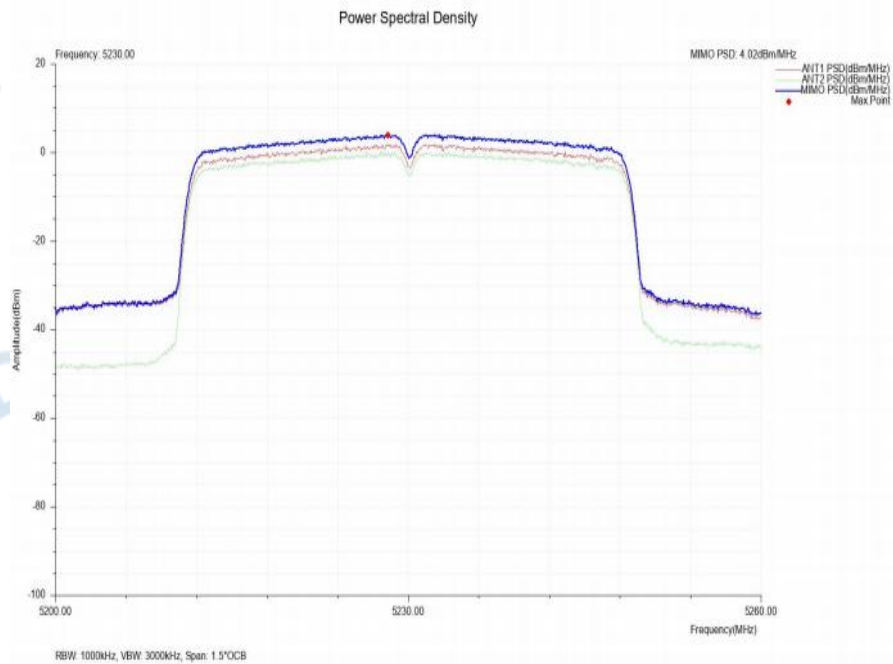
NVNT_MIMO_TX_802_11n(HT20)_Power_Spectral_Density_5240



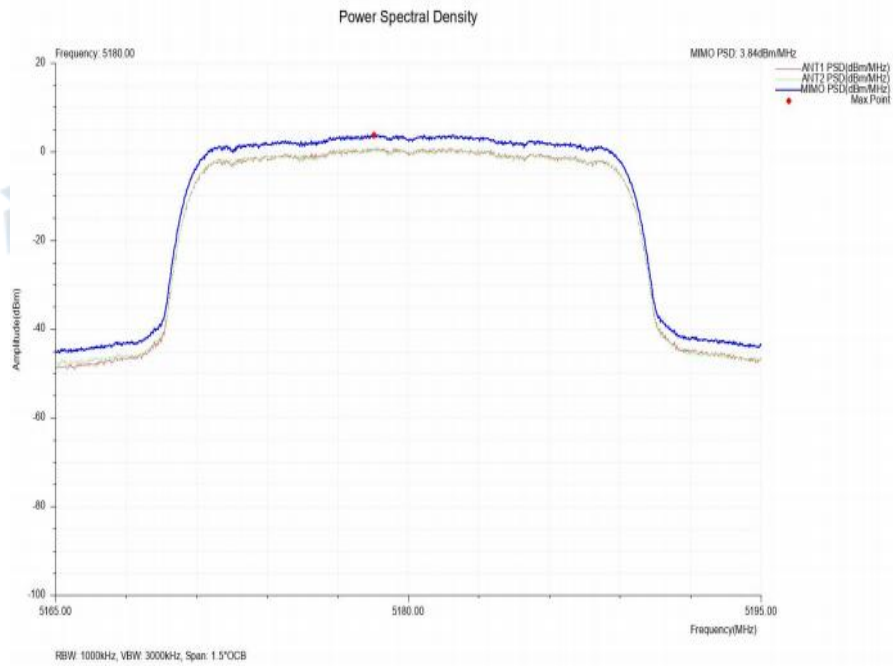
NVNT_MIMO_TX_802_11n(HT40)_Power_Spectral_Density_5190



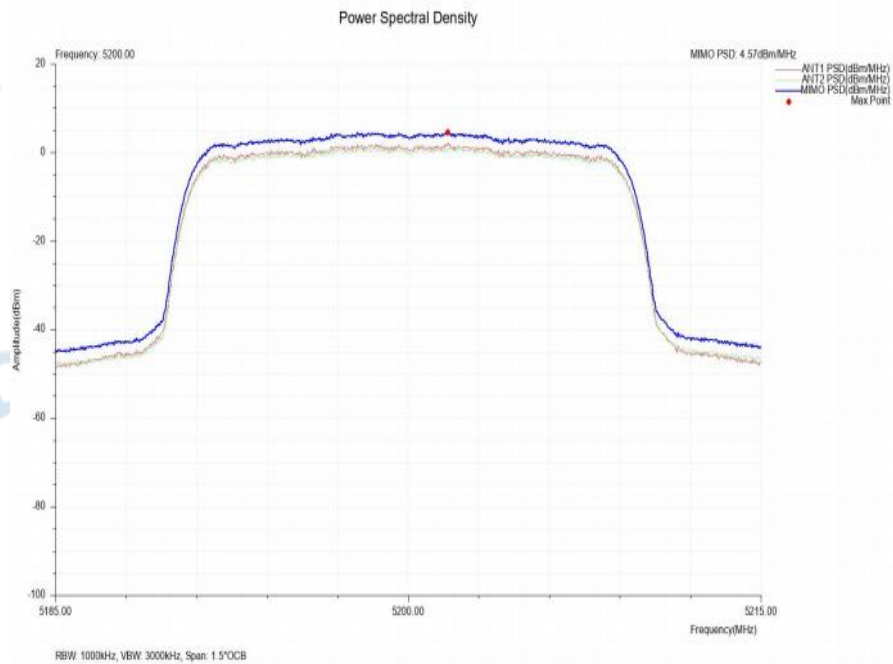
NVNT_MIMO_TX_802_11n(HT40)_Power_Spectral_Density_5230



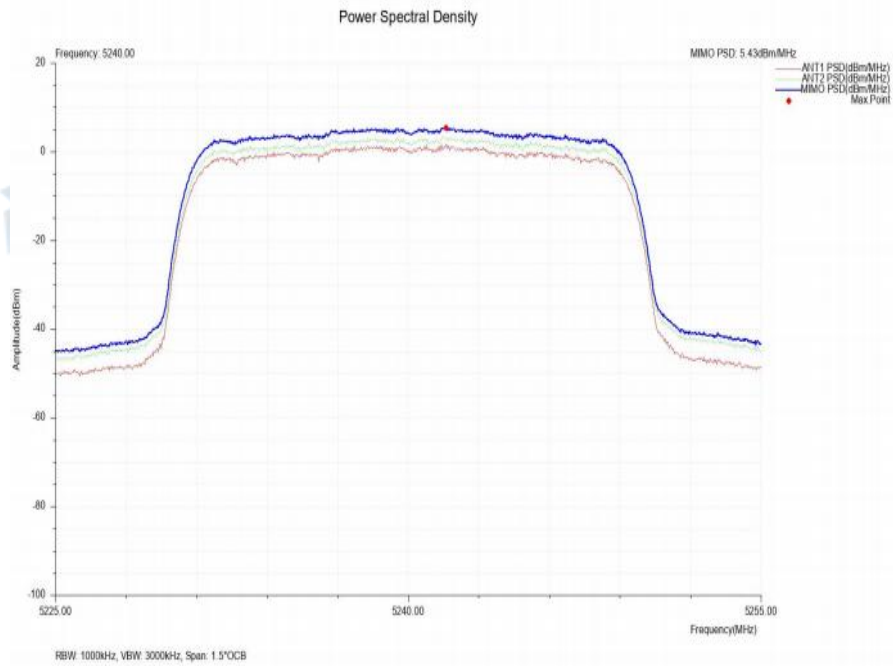
NVNT_MIMO_TX_802_11ac(VHT20)_Power_Spectral_Density_5180



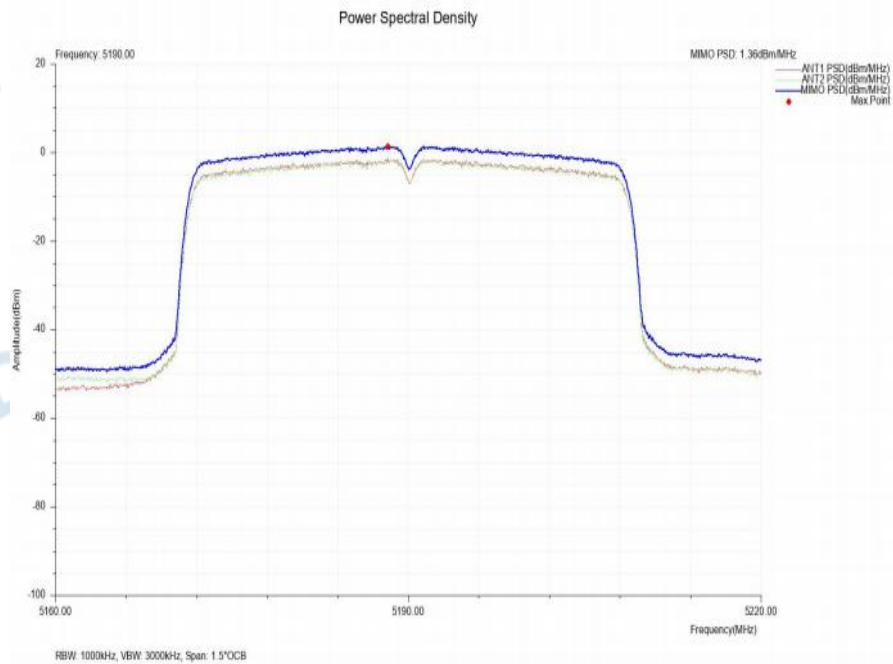
NVNT_MIMO_TX_802_11ac(VHT20)_Power_Spectral_Density_5200



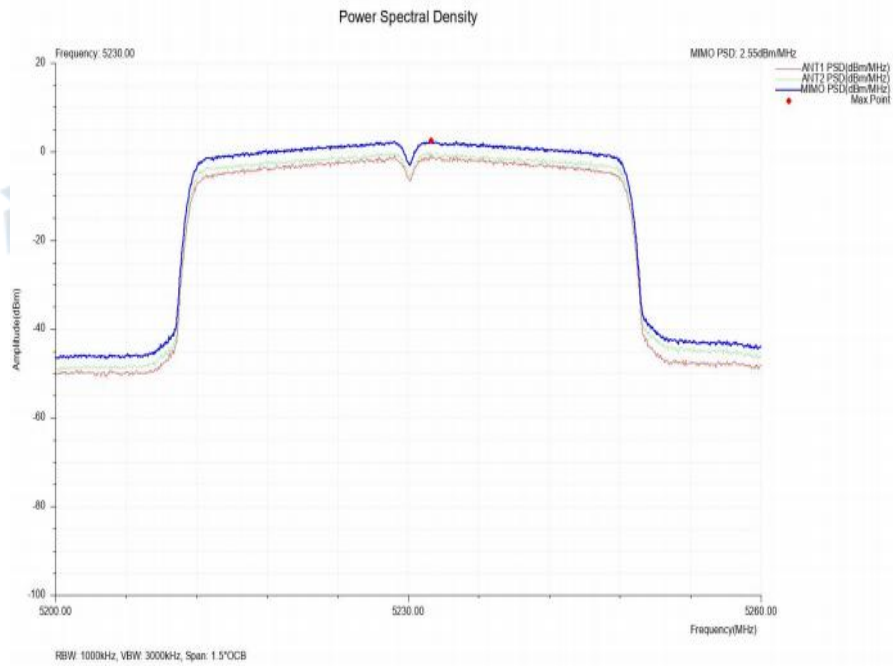
NVNT_MIMO_TX_802_11ac(VHT20)_Power_Spectral_Density_5240



NVNT_MIMO_TX_802_11ac(VHT40)_Power_Spectral_Density_5190



NVNT_MIMO_TX_802_11ac(VHT40)_Power_Spectral_Density_5230



NVNT_MIMO_TX_802_11ac(VHT80)_Power_Spectral_Density_5210

