RF TEST REPORT

For

Shenzhen Chemeirui Technology Co., Ltd.

Product Name: Dash Cam

Test Model(s): D9plus

Report Reference No.	:	**DACE260421001RF002**
FCC ID	:	**2BWAD-D9413**
Applicant's Name	:	Shenzhen Chemeirui Technology Co., Ltd.
Address	:	No. 117, Unit 3, Building 1, Langben Road.Xinshi Community, Dalang Subdistrict, Longhua District, Shenzhen, PRC
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	:	April 21, 2026
Date of Test	:	April 21, 2026 to April 29, 2026
Date of Issue	:	April 29, 2026
Result	:	**Pass**

Apply for company information

Applicant's Name	:	Shenzhen Chemeirui Technology Co., Ltd.
Address	:	No. 117, Unit 3, Building 1, Langben Road.Xinshi Community, Dalang Subdistrict, Longhua District, Shenzhen, PRC
Product Name	:	Dash Cam
Test Model(s)	:	D9plus
Series Model(s)	:	D9, D10, D10plus, D8, D8plus, D7, D7plus, D6, D6plus, D3, D3plus, A9, A9plus, A8, A8plus, A99, A99plus
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.

Compiled by:	Supervised by:	Approved by:
Lucy Mo	Ben Tang	Tom chen
Lucy Mo / Test Engineer	Ben Tang / Project Engineer	Tom Chen / Manager
April 29, 2026	April 29, 2026	April 29, 2026

Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE260421001RF002	April 29, 2026

CONTENTS

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	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)(3)(i)	Pass
Power spectral density	47 CFR Part 15E	ANSI C63.10-2020, section 12.6	47 CFR Part 15.407(a)(3)(i)	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)(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)(4) 47 CFR Part 15.407(b)(10)	Pass

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name	:	Shenzhen Chemeirui Technology Co., Ltd.
Address	:	No. 117, Unit 3, Building 1, Langben Road.Xinshi Community, Dalang Subdistrict, Longhua District, Shenzhen, PRC
Manufacturer	:	Shenzhen Chemeirui Technology Co., Ltd.
Address	:	No. 117, Unit 3, Building 1, Langben Road.Xinshi Community, Dalang Subdistrict, Longhua District, Shenzhen, PRC

2.2 Description of Device (EUT)

Product Name:	Dash Cam
Model/Type reference:	D9plus
Series Model:	D9,D10,D10plus,D8,D8plus,D7,D7plus,D6,D6plus,D3,D3plus,A9,A9plus,A8,A8 plus,A99,A99plus
Model Difference:	The product has many models, only the model name and color is different, and the other parts such as the circuit principle, pcb and electrical structure are the same.
Trade Mark:	N/A
Power Supply:	DC:12V
Operation Frequency:	802.11a/n(HT20)/ac(HT20): U-NII Band 3: 5745MHz to 5825MHz; 802.11n(HT40)/ac(HT40): U-NII Band 3: 5755MHz to 5795MHz;
Number of Channels:	802.11a/n(HT20)/ac(HT20): U-NII Band 3: 5; 802.11n(HT40)/ac(HT40): U-NII Band 3: 2;
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:	FPC antenna
Antenna Gain:	1.27dBi
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)

	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	/	/	/	5745
2	/	/	/	5765
3	/	/	/	5785
4	/	/	/	5805
5	/	/	/	5825
6	/	/	/	/
7	/	/	/	/
8	/	/	/	/
9	/	/	/	/
10	/	/	/	/
11	/	/	/	/

802.11n(HT40)/ac(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	/	/	/	5755
2	/	/	/	5795
3	/	/	/	/
4	/	/	/	/
5	/	/	/	/

802.11ac(HT80)

	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
Channel	Frequency	Frequency	Frequency	Frequency
1	/	/	/	/
2	/	/	/	/
3	/	/	/	/

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)				
	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	/	/	/	5745 MHz
Middle channel	/	/	/	5785 MHz
Highest channel	/	/	/	5825 MHz

802.11n(HT40)/ac(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	/	/	/	5755 MHz
Middle channel	/	/	/	5795 MHz
Highest channel	/	/	/	

802.11ac(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	/	/	/	/
Middle channel	/	/	/	/

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.
Remark:Only the data of the worst mode would be recorded in this report.		

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
Battery（DC12V）	Camel	DC12V	

2.5 Equipments Used During The Test

Power spectral density
Duty Cycle
Emission bandwidth and occupied bandwidth
Maximum conducted output power

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	2026-04-16	2027-04-15
RF Sensor Unit	Tachoy Information Technology(shenzhen) Co.,Ltd.	TR1029-2	000001	/	/
Wideband radio communication tester	R&S	CMW500	113410	2026-04-14	2027-04-13
Vector Signal Generator	Keysight	N5181A	MY50143455	2025-12-02	2026-12-01
Signal Generator	Keysight	N5182A	MY48180415	2025-12-02	2026-12-01
Spectrum Analyzer	Keysight	N9020A	MY53420323	2025-12-02	2026-12-01
Power meter	Agilent	E4416	MY48200166	2025-12-06	2026-12-05

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	2026-04-14	2027-04-13
Cable(LF)#2	Schwarzbeck	/	/	2026-04-13	2027-04-12
Cable(LF)#1	Schwarzbeck	/	/	2026-04-14	2027-04-13
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2026-04-14	2027-04-13
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	/	2026-04-14	2027-04-13
Power amplifier(LF)	Schwarzbeck	BBV9743	9743-151	2026-04-14	2027-04-13
Power amplifier(HF)	Schwarzbeck	BBV9718	9718-282	2026-04-14	2027-04-13
Wideband radio communication tester	R&S	CMW500	113410	2026-04-14	2027-04-13
Spectrum Analyzer	R&S	FSP30	1321.3008K40 -101729-jR	2026-04-14	2027-04-13
Test Receiver	R&S	ESCI 3	1166.5950K03 -101431-Jq	2026-04-14	2027-04-13
Horn Antenna	Sunol Sciences	DRH-118	A091114	2026-04-14	2027-04-13
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	±3.1%
Occupied Bandwidth	±3.63%
RF conducted power	±0.733dB
RF power density	±0.234%
Radiated Emission (Above 1GHz)	±5.46dB
Radiated Emission (Below 1GHz)	±5.79dB
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:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, 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:	102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, 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.

3.1.1 Conclusion:

4 Radio Spectrum Matter Test Results (RF)

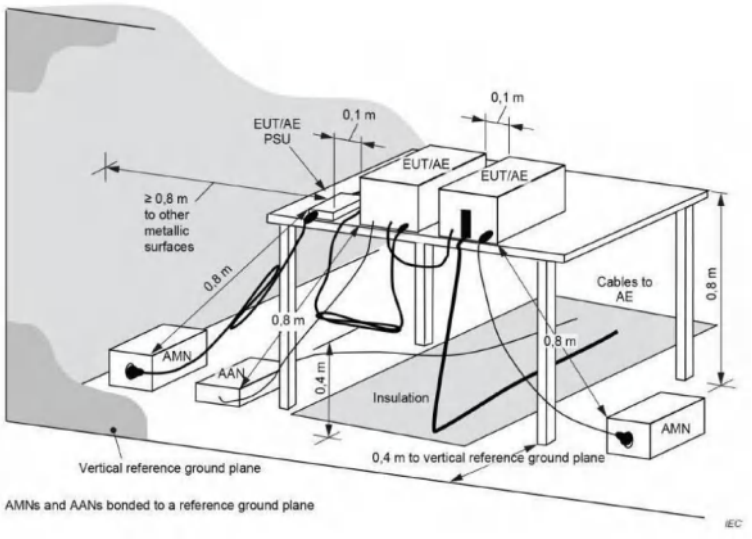
4.1 Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).
Test Limit:	Frequency of emission (MHz) / Conducted limit (dBμV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50 *Decreases with the logarithm of the frequency.
Test Method:	ANSI C63.10-2020 section 6.2
Procedure:	Refer to ANSI C63.10-2020 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.1.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.9 °C	Humidity:	48 %	Atmospheric Pressure:	101.6 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

4.1.2 Test Setup Diagram:



4.1.3 Test Data:

N/A (not applicable to this device which powerd by DC12V batttery)

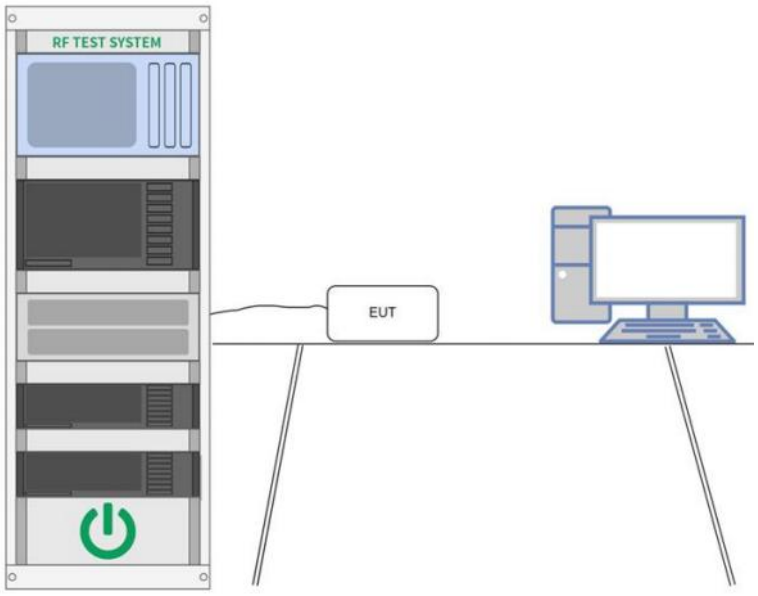
4.2 Duty Cycle

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 >= EBW if possible; otherwise, set RBW to the largest available value. iii) Set VBW >= 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.

4.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.5 °C	Humidity:	54 %	Atmospheric Pressure:	101.6 kPa
Pretest mode:	TM1, TM2				
Final test mode:	TM1, TM2				

4.2.2 Test Setup Diagram:



4.2.3 Test Data:

Please Refer to Appendix for Details.

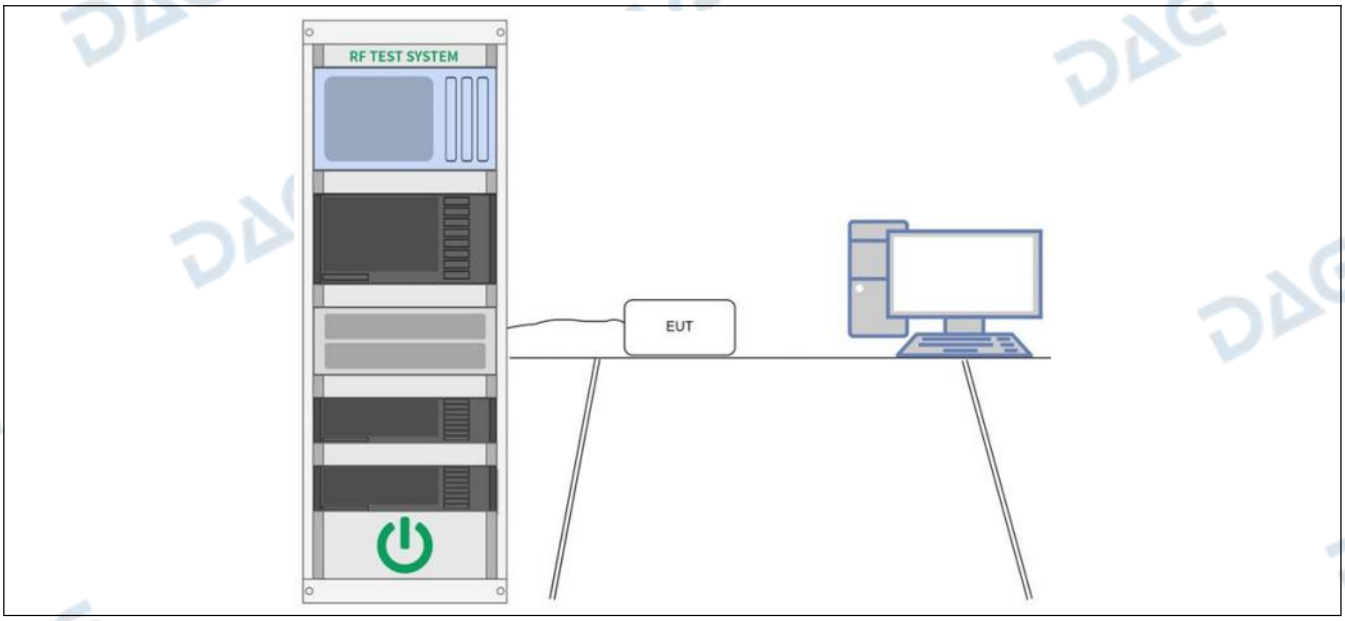
4.3 Emission bandwidth and occupied bandwidth

Test Requirement:	U-NII 3, U-NII 4: 47 CFR Part 15.407(e)
Test Limit:	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:	Occupied bandwidth: a) 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. b) 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. c) 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. d) Step a) through step c) might require iteration to adjust within the specified range. e) 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. f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth. g) 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. h) 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: a) Set RBW = 100 kHz. b) Set the video bandwidth (VBW) ≥ 3 >= RBW. c) Detector = Peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) 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.

4.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.9 °C	Humidity:	50 %	Atmospheric Pressure:	101.6 kPa
Pretest mode:	TM1, TM2				
Final test mode:	TM1, TM2				

4.3.2 Test Setup Diagram:



4.3.3 Test Data:

Please Refer to Appendix for Details.

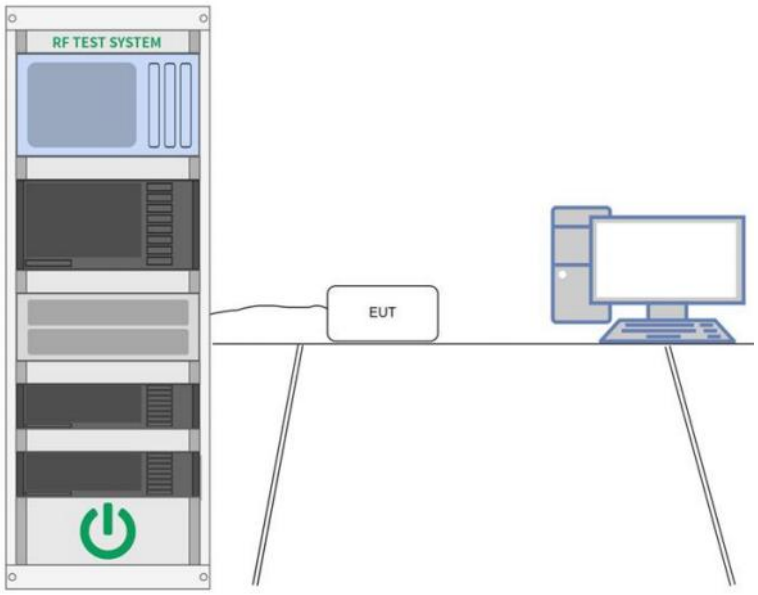
4.4 Maximum conducted output power

Test Requirement:	47 CFR Part 15.407(a)(3)(i)
Test Limit:	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 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 12.4
Procedure:	Refer to ANSI C63.10-2020 section 12.4

4.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.6 °C	Humidity:	50 %	Atmospheric Pressure:	101.6 kPa
Pretest mode:	TM1, TM2				
Final test mode:	TM1, TM2				

4.4.2 Test Setup Diagram:



4.4.3 Test Data:

Please Refer to Appendix for Details.

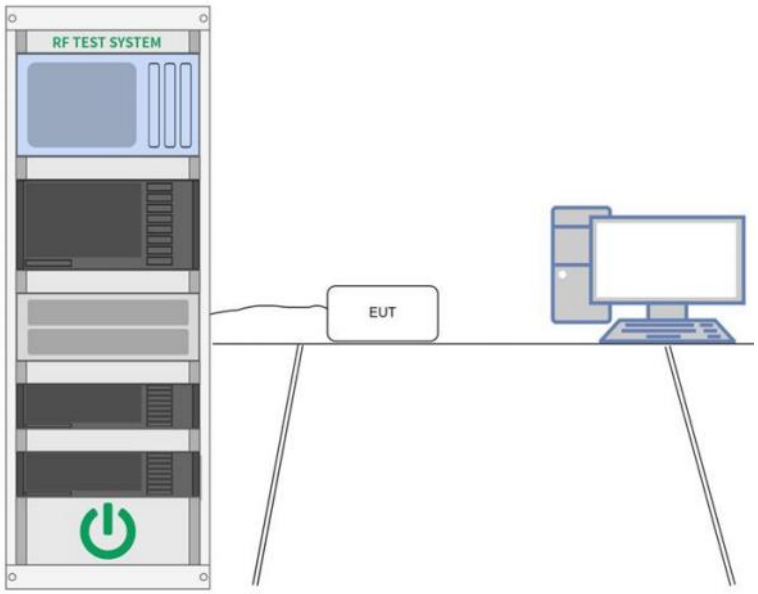
4.5 Power spectral density

Test Requirement:	47 CFR Part 15.407(a)(3)(i)
Test Limit:	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

4.5.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.8 °C	Humidity:	48 %	Atmospheric Pressure:	101.6 kPa
Pretest mode:	TM1, TM2				
Final test mode:	TM1, TM2				

4.5.2 Test Setup Diagram:



4.5.3 Test Data:

Please Refer to Appendix for Details.

4.6 Band edge emissions (Radiated)

Test Requirement:	47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)
Test Limit:	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.

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			

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

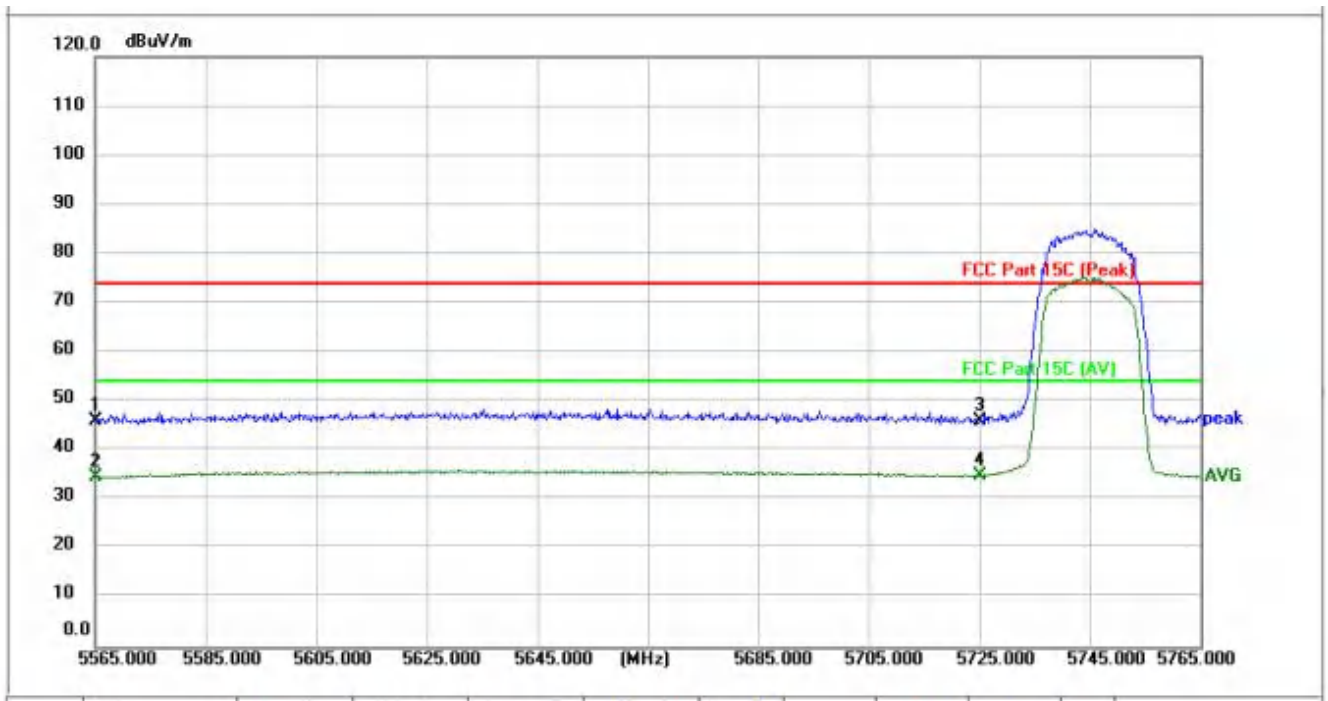
	<table><tr><td>216-960</td><td>200 **</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 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.
Test Method:	ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7
Procedure:	Above 1GHz: a. 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. b. The EUT was set 3 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 peak or average 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 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.

4.6.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.5 °C	Humidity:	54 %	Atmospheric Pressure:	101.6 kPa
Pretest mode:	TM1, TM2				
Final test mode:	TM1, TM2				

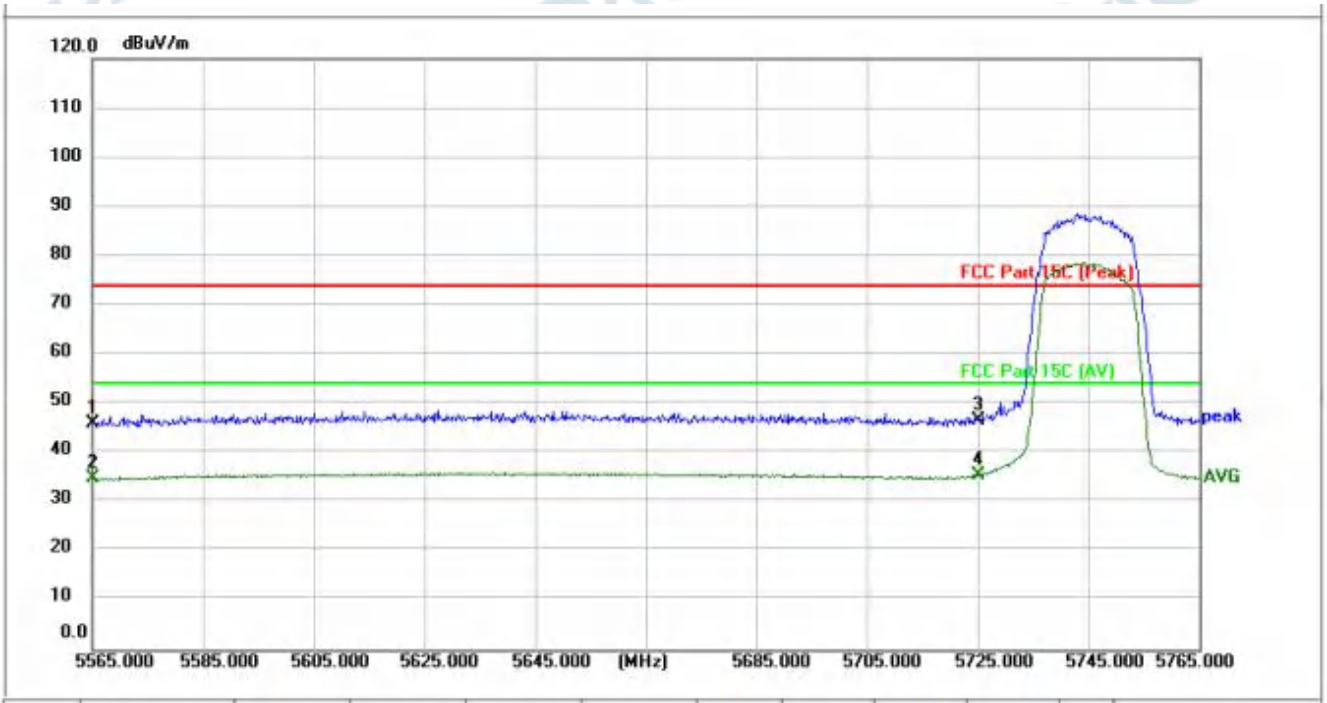
4.6.2 Test Data:

TM1 / Polarization: Horizontal / Band: 5725-5850 MHz / BW: 20 / CH: L



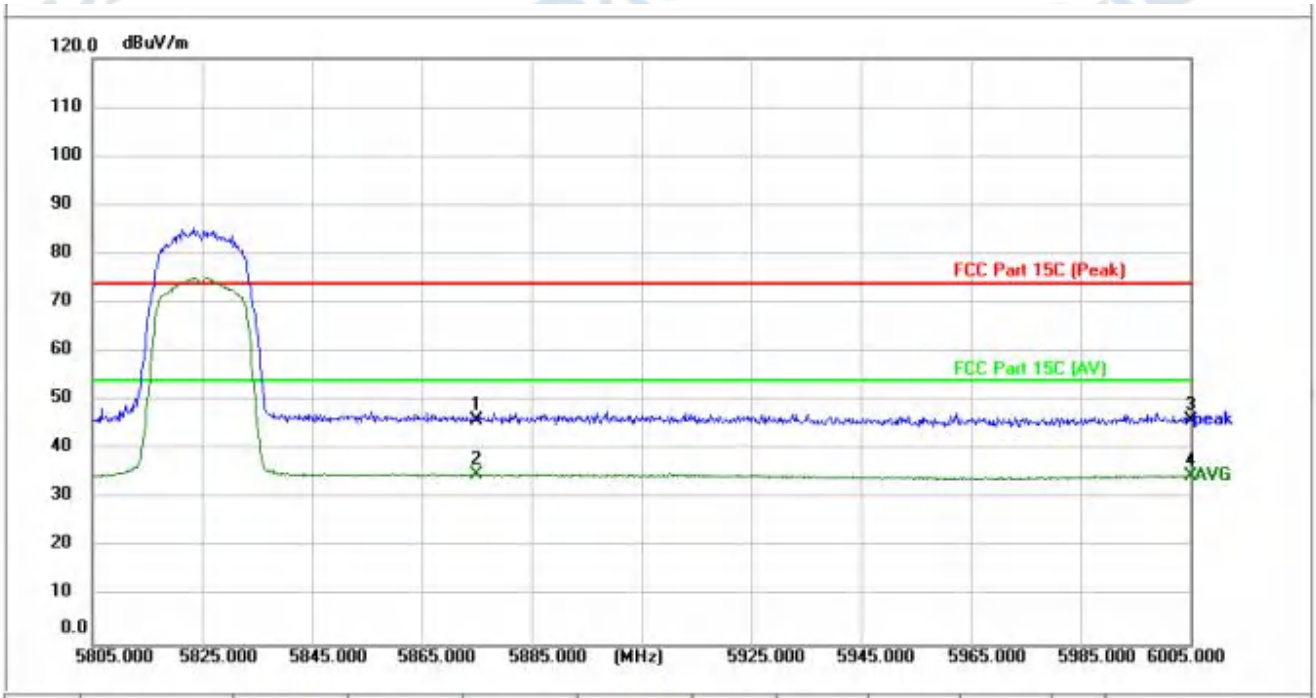
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5565.000	45.18	1.00	46.18	74.00	-27.82	peak	150		P	
2	5565.000	33.79	1.00	34.79	54.00	-19.21	AVG	150		P	
3	5725.000	44.79	1.17	45.96	74.00	-28.04	peak	150		P	
4 *	5725.000	33.82	1.17	34.99	54.00	-19.01	AVG	150		P	

TM1 / Polarization: Vertical / Band: 5725-5850 MHz / BW: 20 / CH: L



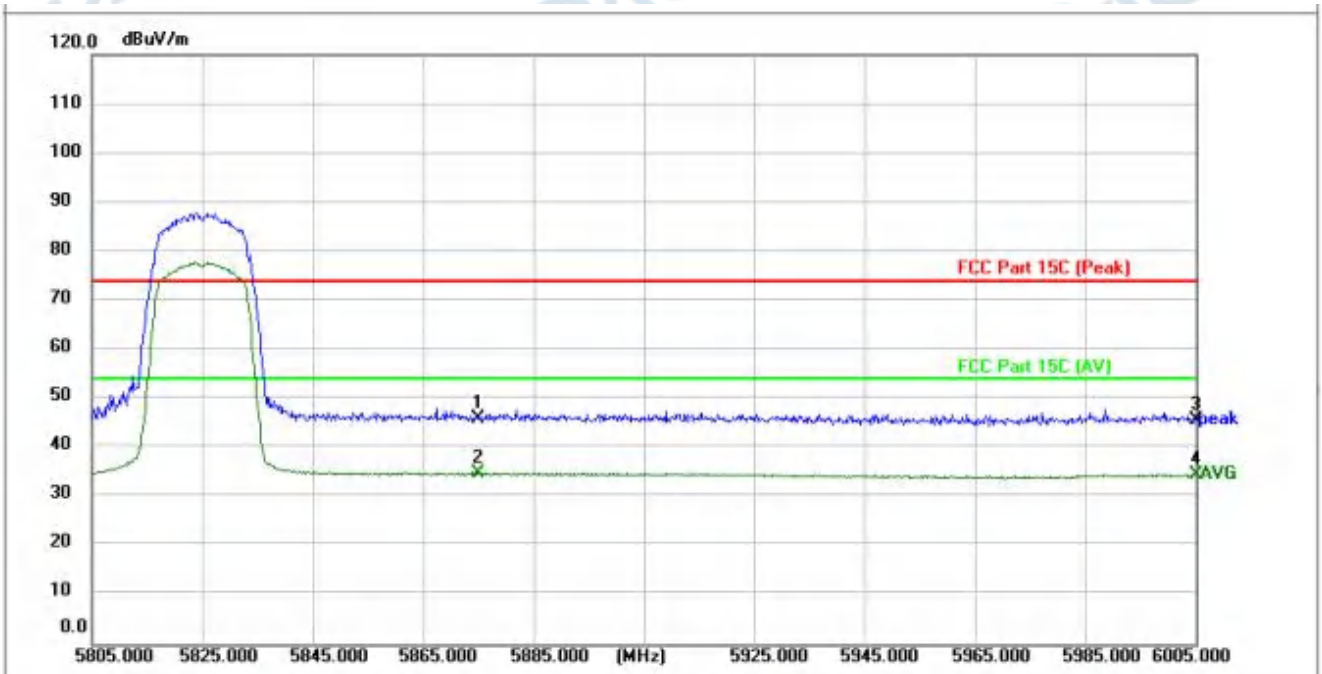
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5565.000	45.16	1.00	46.16	74.00	-27.84	peak	150		P	
2	5565.000	34.05	1.00	35.05	54.00	-18.95	AVG	150		P	
3	5725.000	45.55	1.17	46.72	74.00	-27.28	peak	150		P	
4 *	5725.000	34.29	1.17	35.46	54.00	-18.54	AVG	150		P	

TM1 / Polarization: Horizontal / Band: 5725-5850 MHz / BW: 20 / CH: H



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	5875.000	44.74	1.35	46.09	74.00	-27.91	peak	150		P	
2 *	5875.000	33.48	1.35	34.83	54.00	-19.17	AVG	150		P	
3	6005.000	44.55	1.50	46.05	74.00	-27.95	peak	150		P	
4	6005.000	33.04	1.50	34.54	54.00	-19.46	AVG	150		P	

TM1 / Polarization: Vertical / Band: 5725-5850 MHz / BW: 20 / CH: H



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	5875.000	44.67	1.35	46.02	74.00	-27.98	peak	150		P	
2 *	5875.000	33.65	1.35	35.00	54.00	-19.00	AVG	150		P	
3	6005.000	44.12	1.50	45.62	74.00	-28.38	peak	150		P	
4	6005.000	33.04	1.50	34.54	54.00	-19.46	AVG	150		P	

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

4.7 Undesirable emission limits (below 1GHz)

<table>
<tr><td>Test Requirement:</td><td>47 CFR Part 15.407(b)(9)</td></tr>
<tr><td>Test Limit:</td><td>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.</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10-2020, section 12.7.4, 12.7.5</td></tr>
<tr><td>Procedure:</td><td>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</td></tr>
</table>

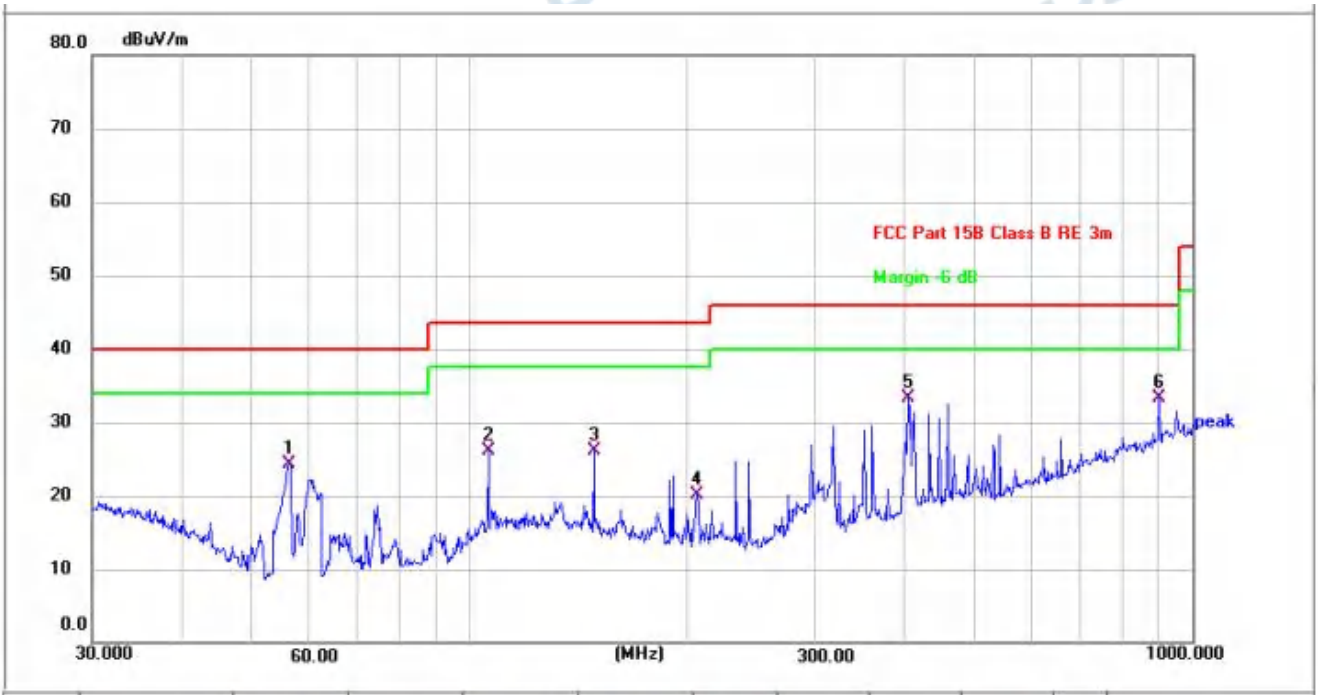
	points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. 3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. Above 1GHz: a. 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. b. The EUT was set 3 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 peak or average 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 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.

4.7.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22 °C	Humidity:	48 %	Atmospheric Pressure:	101.6 kPa
Pretest mode:	TM1, TM2				
Final test mode:	TM1, TM2				

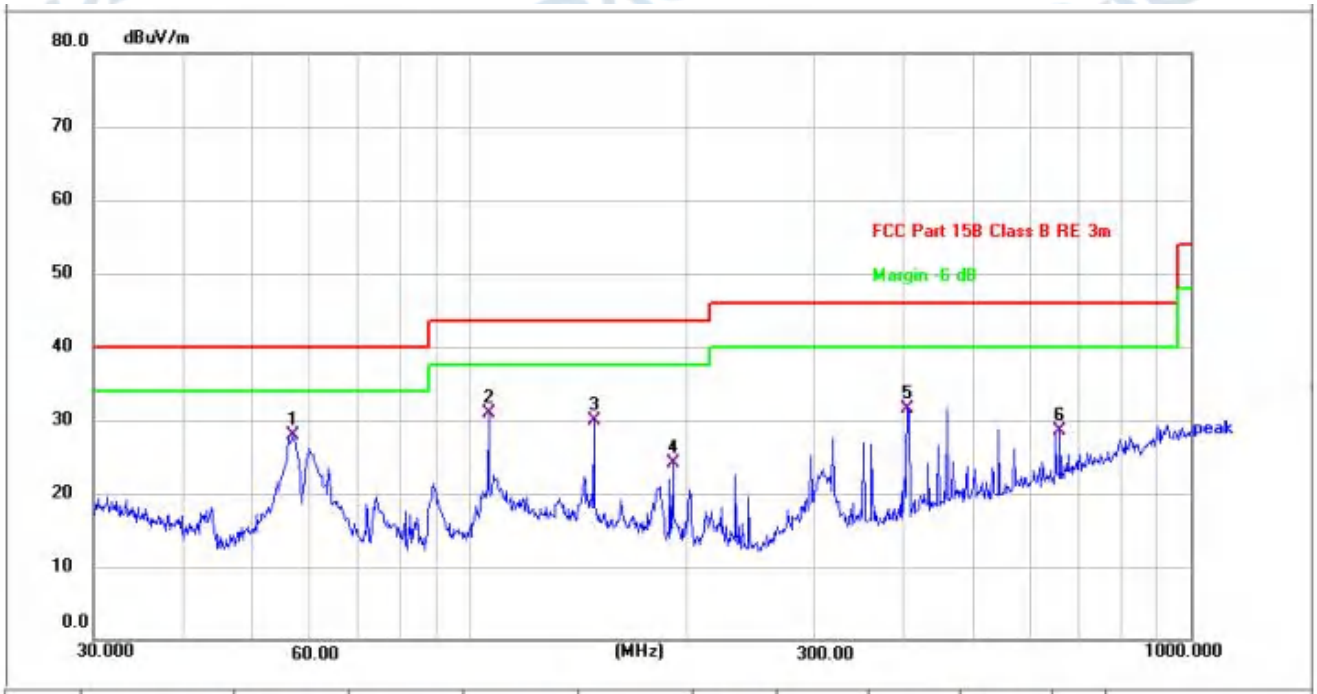
4.7.2 Test Data:

TM1 / Polarization: Horizontal / Band: 5725-5850 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	56.1974	38.20	-13.85	24.35	40.00	-15.65	QP	100		P	
2	106.0126	33.97	-7.83	26.14	43.50	-17.36	QP	100		P	
3	148.4410	33.73	-7.65	26.08	43.50	-17.42	QP	100		P	
4	206.3976	30.07	-9.96	20.11	43.50	-23.39	QP	100		P	
5	404.6665	38.86	-5.65	33.21	46.00	-12.79	QP	100		P	
6 *	900.1474	29.25	3.98	33.23	46.00	-12.77	QP	100		P	

TM1 / Polarization: Vertical / Band: 5725-5850 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 *	56.7917	41.61	-13.80	27.81	40.00	-12.19	QP	100		P	
2	106.0126	38.45	-7.63	30.82	43.50	-12.68	QP	100		P	
3	148.4410	37.95	-8.02	29.93	43.50	-13.57	QP	100		P	
4	191.0738	33.63	-9.57	24.06	43.50	-19.44	QP	100		P	
5	404.6665	37.15	-5.62	31.53	46.00	-14.47	QP	100		P	
6	658.8362	29.20	-0.70	28.50	46.00	-17.50	QP	100		P	

4.8 Undesirable emission limits (above 1GHz)

Test Requirement:	47 CFR Part 15.407(b)(4) 47 CFR Part 15.407(b)(10)
Test Limit:	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.

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			

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

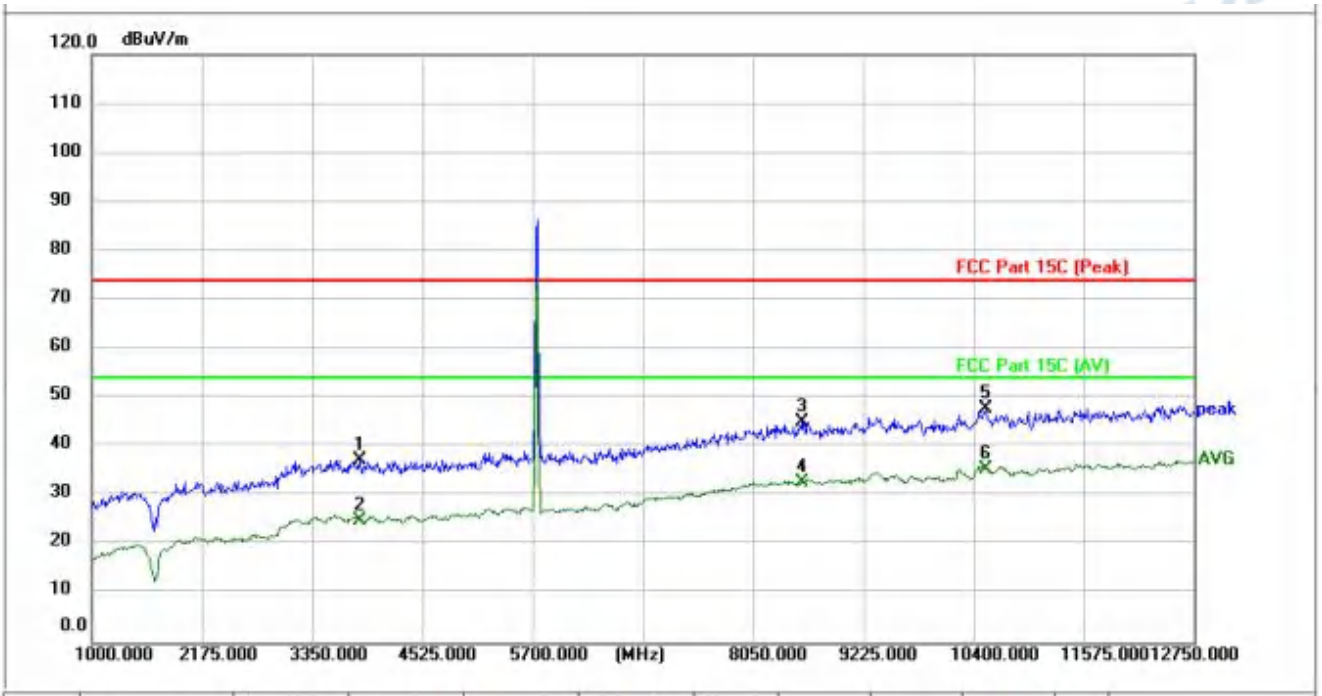
	<table><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100 **</td><td>3</td></tr><tr><td>88-216</td><td>150 **</td><td>3</td></tr><tr><td>216-960</td><td>200 **</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> ** Except as provided in paragraph (g), 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.
Test Method:	ANSI C63.10-2020, section 12.7.4, 12.7.6, 12.7.7
Procedure:	Above 1GHz: a. 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. b. The EUT was set 3 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 peak or average 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 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.

4.8.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.8 °C	Humidity:	51 %	Atmospheric Pressure:	101.6 kPa
Pretest mode:	TM1, TM2				
Final test mode:	TM1, TM2				

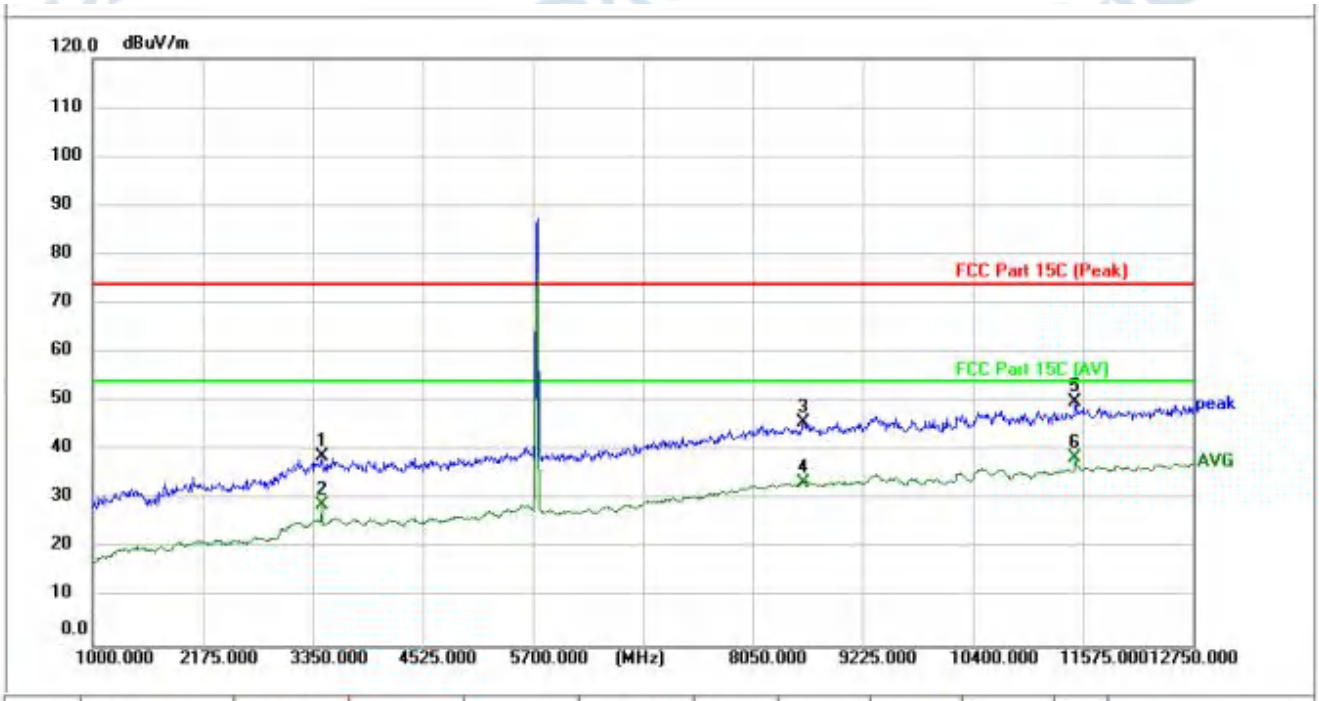
4.8.2 Test Data:

TM1 / Polarization: Horizontal / Band: 5725-5850 MHz / BW: 20 / CH: L



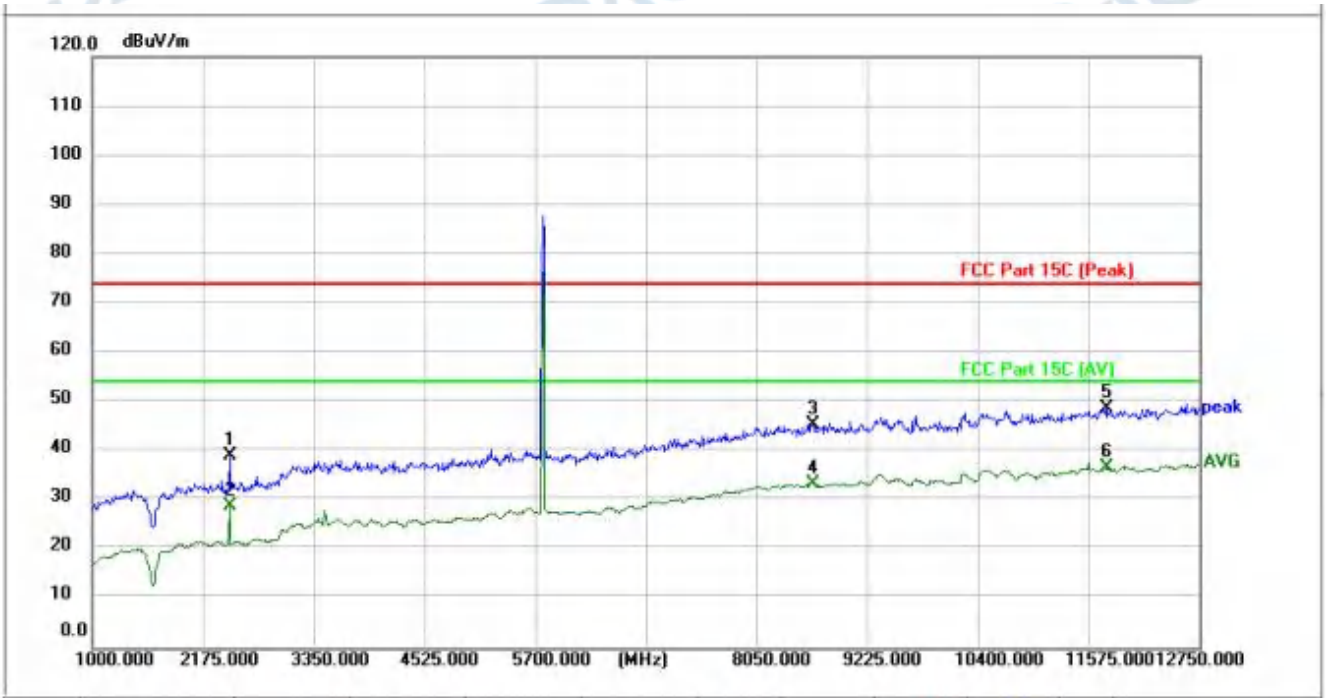
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	3855.250	40.41	-2.92	37.49	74.00	-36.51	peak			P	
2	3855.250	27.83	-2.92	24.91	54.00	-29.09	AVG			P	
3	8567.000	37.73	7.55	45.28	74.00	-28.72	peak			P	
4	8567.000	25.32	7.55	32.87	54.00	-21.13	AVG			P	
5	10529.250	38.77	9.03	47.80	74.00	-26.20	peak			P	
6 *	10529.250	26.56	9.03	35.59	54.00	-18.41	AVG			P	

TM1 / Polarization: Vertical / Band: 5725-5850 MHz / BW: 20 / CH: L



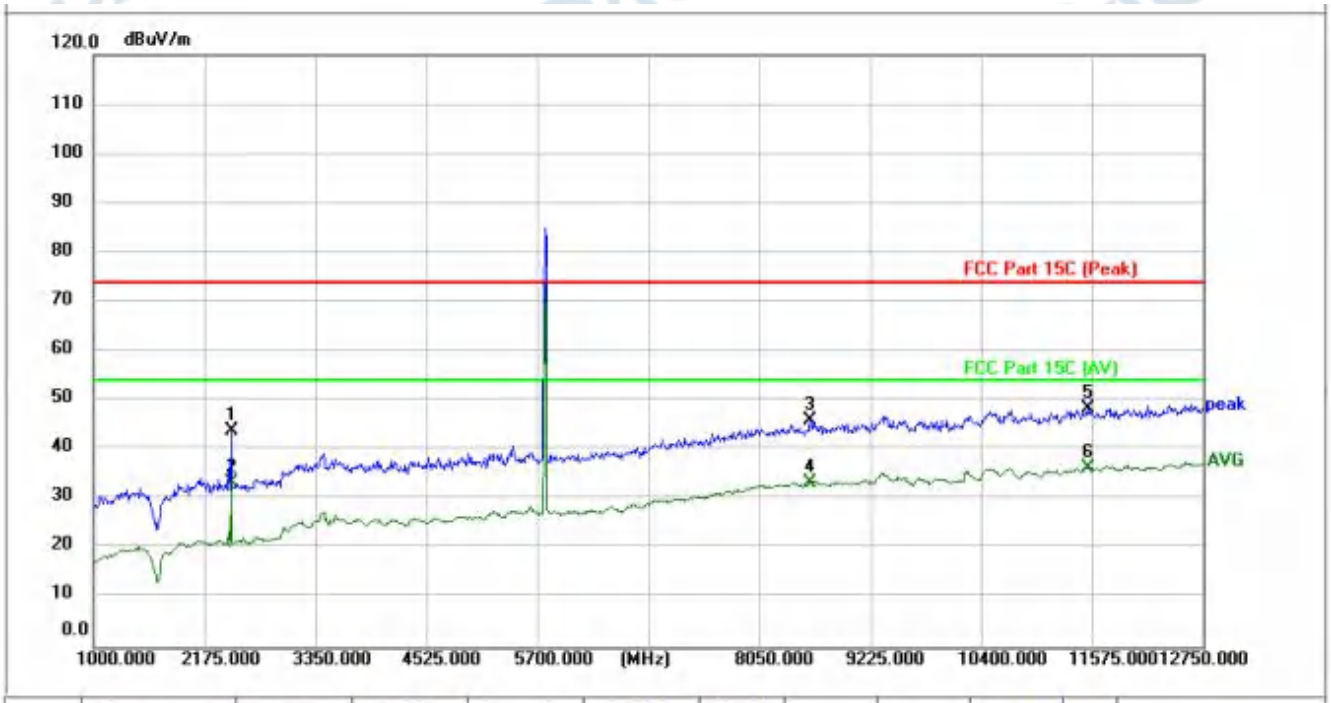
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	3444.000	42.58	-3.78	38.80	74.00	-35.20	peak	150		P	
2	3444.000	32.62	-3.78	28.84	54.00	-25.16	AVG	150		P	
3	8590.500	38.14	7.59	45.73	74.00	-28.27	peak	150		P	
4	8590.500	25.98	7.59	33.57	54.00	-20.43	AVG	150		P	
5	11492.750	40.26	9.66	49.92	74.00	-24.08	peak	150		P	
6 *	11492.750	28.75	9.66	38.41	54.00	-15.59	AVG	150		P	

TM1 / Polarization: Horizontal / Band: 5725-5850 MHz / BW: 20 / CH: M



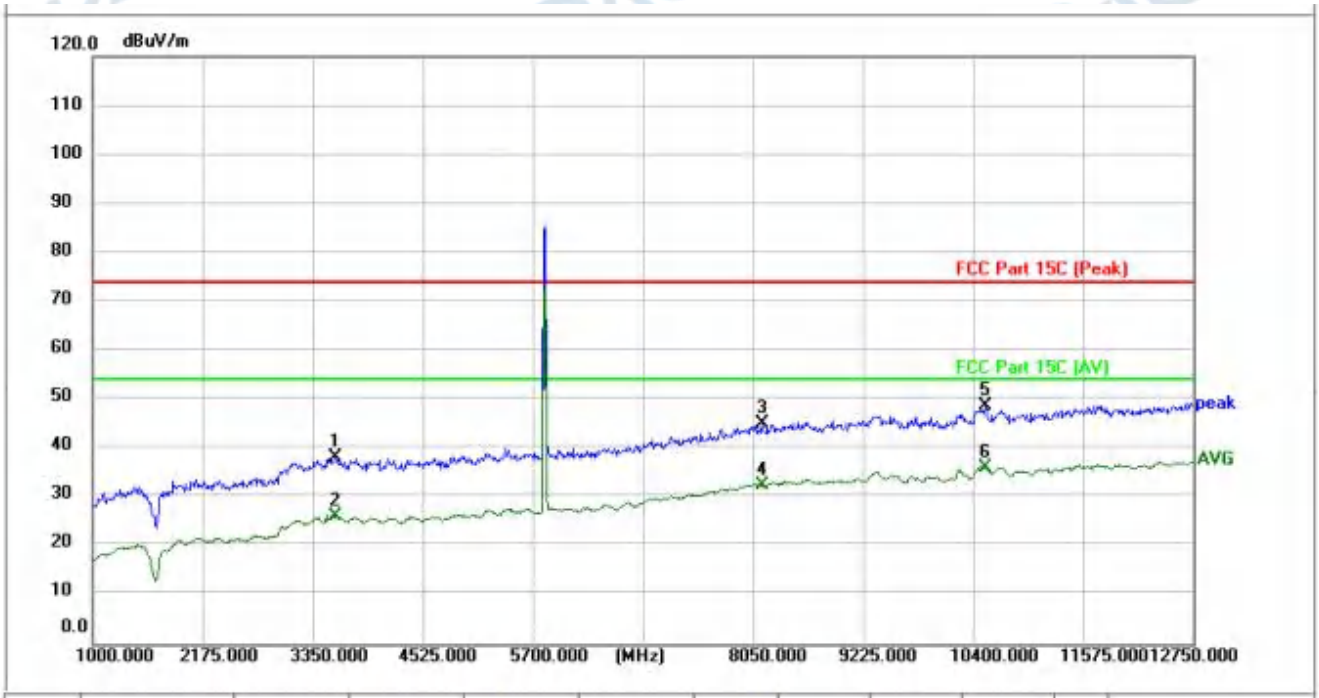
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2457.000	45.50	-6.25	39.25	74.00	-34.75	peak	150		P	
2	2457.000	35.31	-6.25	29.06	54.00	-24.94	AVG	150		P	
3	8649.250	37.87	7.70	45.57	74.00	-28.43	peak	150		P	
4	8649.250	25.89	7.70	33.59	54.00	-20.41	AVG	150		P	
5	11763.000	39.03	9.85	48.88	74.00	-25.12	peak	150		P	
6 *	11763.000	26.85	9.85	36.70	54.00	-17.30	AVG	150		P	

TM1 / Polarization: Vertical / Band: 5725-5850 MHz / BW: 20 / CH: M



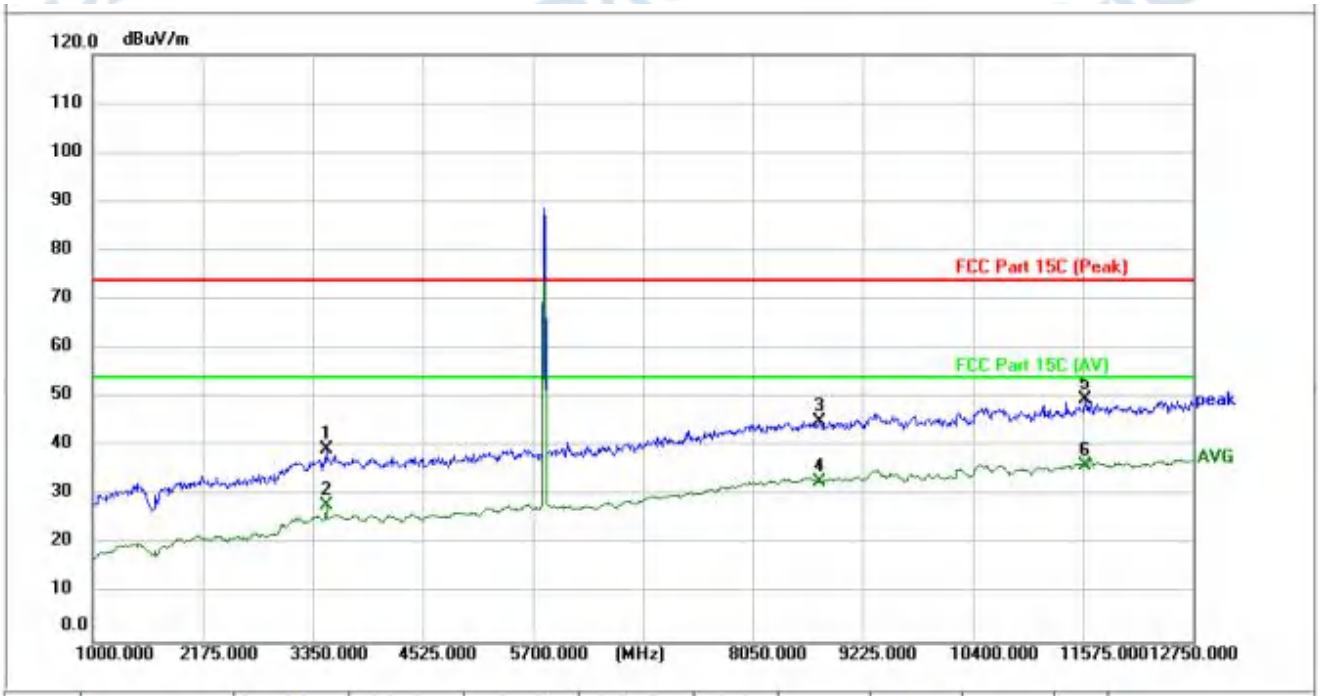
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2457.000	50.28	-6.25	44.03	74.00	-29.97	peak	150		P	
2	2457.000	39.69	-6.25	33.44	54.00	-20.56	AVG	150		P	
3	8590.500	38.47	7.59	46.06	74.00	-27.94	peak	150		P	
4	8590.500	25.94	7.59	33.53	54.00	-20.47	AVG	150		P	
5	11528.000	38.91	9.68	48.59	74.00	-25.41	peak	150		P	
6 *	11528.000	26.87	9.68	36.55	54.00	-17.45	AVG	150		P	

TM1 / Polarization: Horizontal / Band: 5725-5850 MHz / BW: 20 / CH: H



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	3585.000	41.64	-3.42	38.22	74.00	-35.78	peak	150		P	
2	3585.000	29.64	-3.42	26.22	54.00	-27.78	AVG	150		P	
3	8144.000	38.22	6.91	45.13	74.00	-28.87	peak	150		P	
4	8144.000	25.61	6.91	32.52	54.00	-21.48	AVG	150		P	
5	10529.250	39.77	9.03	48.80	74.00	-25.20	peak	150		P	
6 *	10529.250	27.00	9.03	36.03	54.00	-17.97	AVG	150		P	

TM1 / Polarization: Vertical / Band: 5725-5850 MHz / BW: 20 / CH: H



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	3491.000	42.96	-3.62	39.34	74.00	-34.66	peak			P	
2	3491.000	31.61	-3.62	27.99	54.00	-26.01	AVG			P	
3	8755.000	37.39	7.87	45.26	74.00	-28.74	peak			P	
4	8755.000	25.11	7.87	32.98	54.00	-21.02	AVG			P	
5	11598.500	39.89	9.73	49.62	74.00	-24.38	peak			P	
6 *	11598.500	26.53	9.73	36.26	54.00	-17.74	AVG			P	

Note: All the mode have been tested, and only the worst case 802.11a and 802.11ac ant1 mode are in the report

5 TEST SETUP PHOTOS

Please refer to Setup Photo file

6 PHOTOS OF THE EUT

Please refer to external photos file and internal photos file

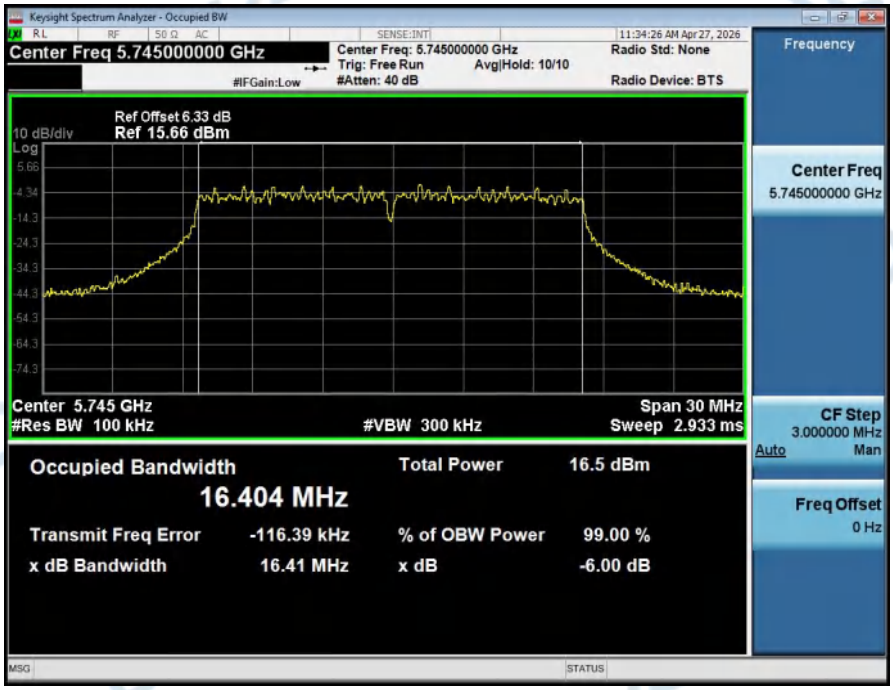
Appendix

HT260421005-D9PLUS-CE-5.8GWIFI
FCC_5.8G_WIFI (Part15.407) Test Data

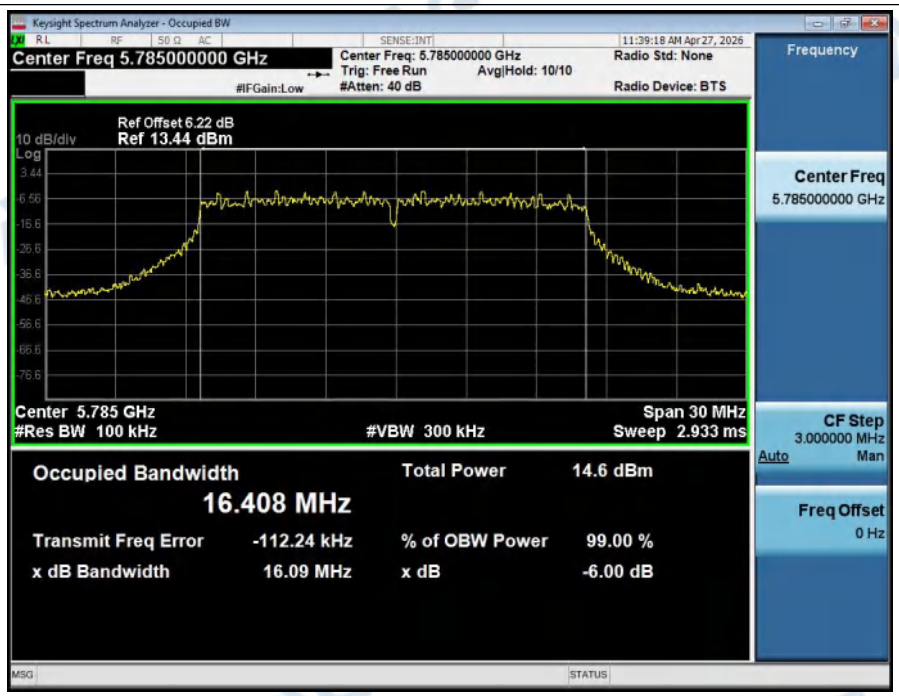
1. -6dB Emission Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	-6dB_Emission_Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	16.411	0.500	Pass
NVNT	ANT1	802.11a	5785.00	16.093	0.500	Pass
NVNT	ANT1	802.11a	5825.00	16.410	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	17.571	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	17.033	0.500	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	17.306	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	13.923	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	12.656	0.500	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	15.008	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	35.161	0.500	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	35.201	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	31.349	0.500	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	32.653	0.500	Pass

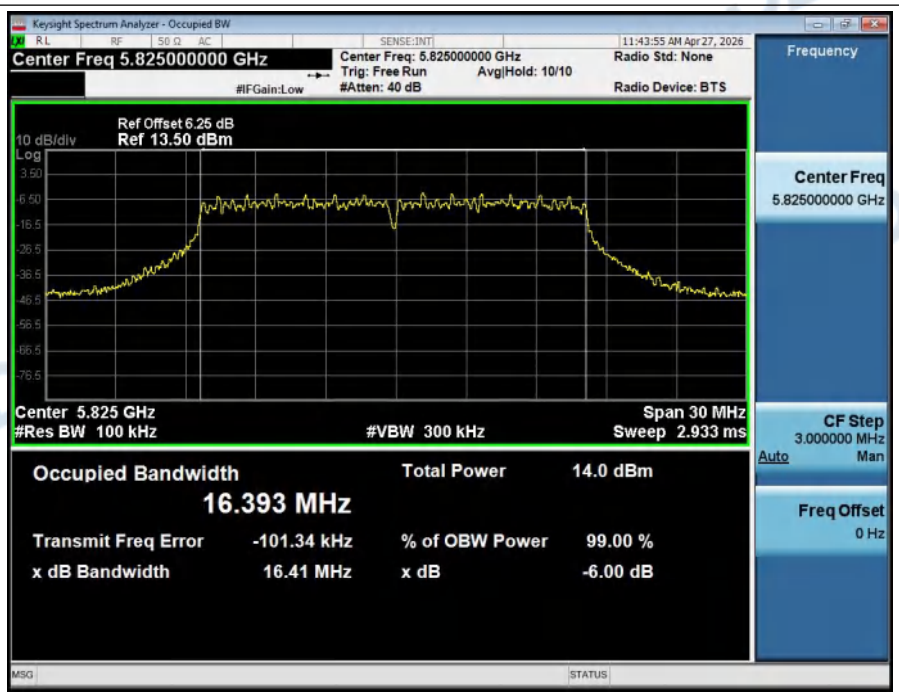
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5745_20M



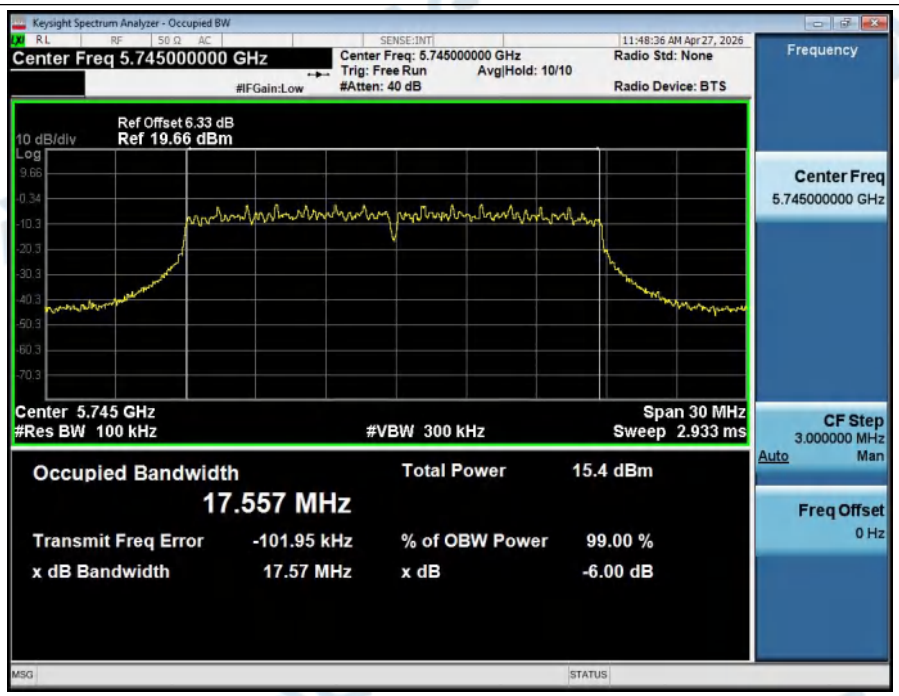
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5785_20M



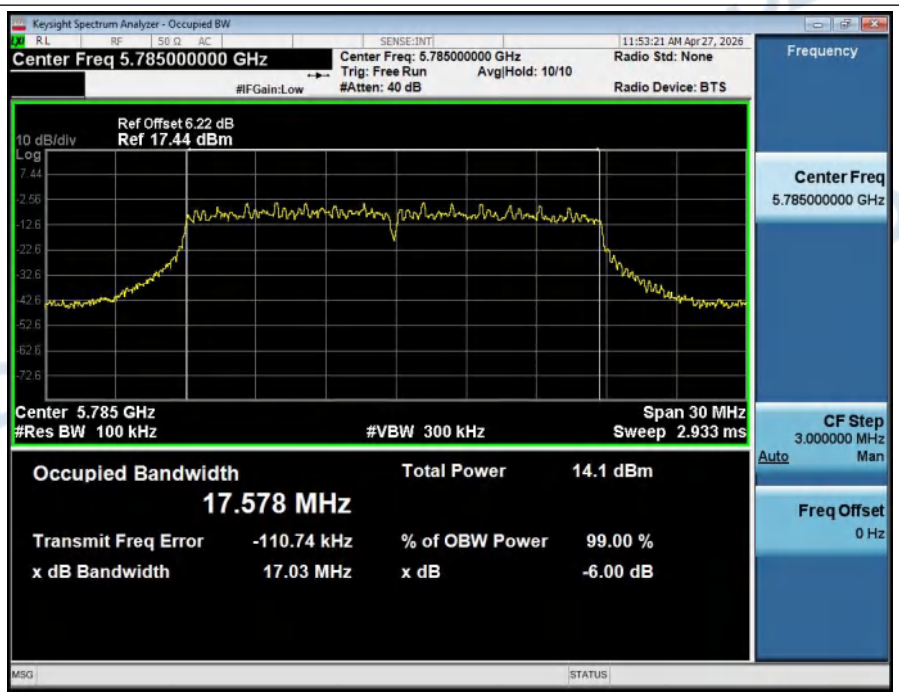
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11a_5825_20M



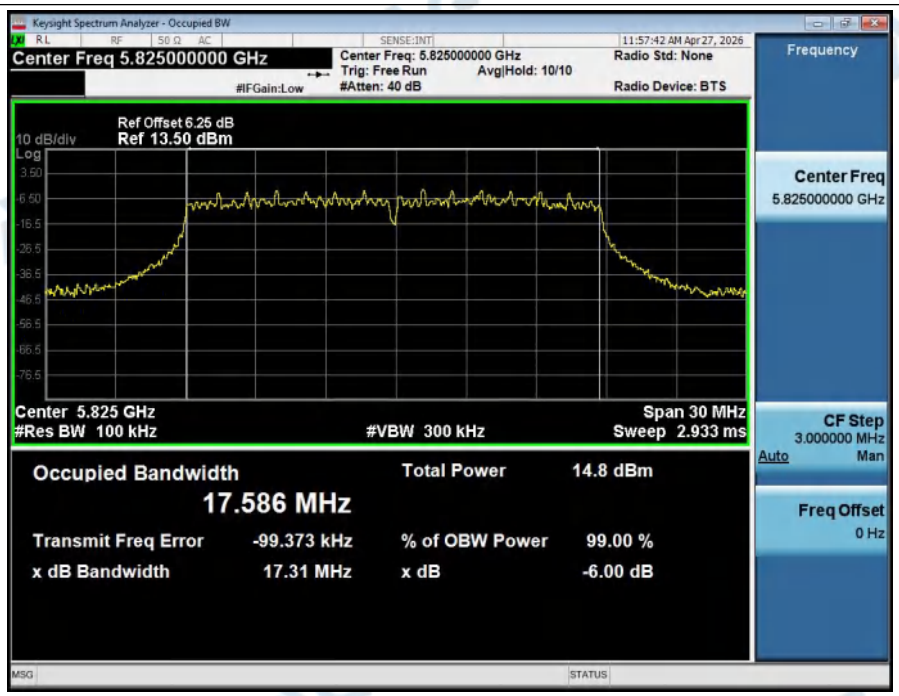
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5745_20M



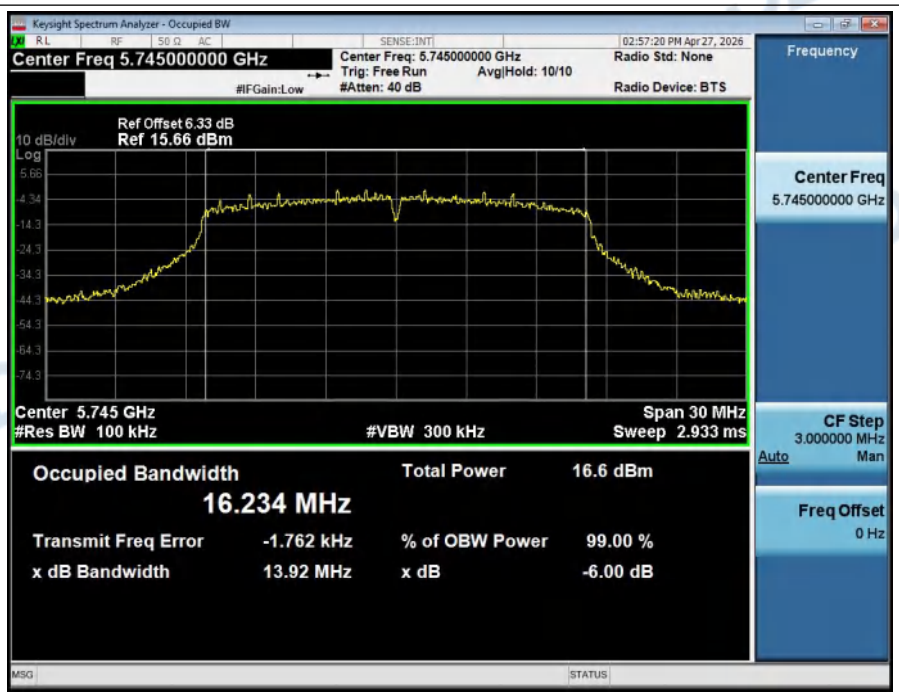
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5785_20M



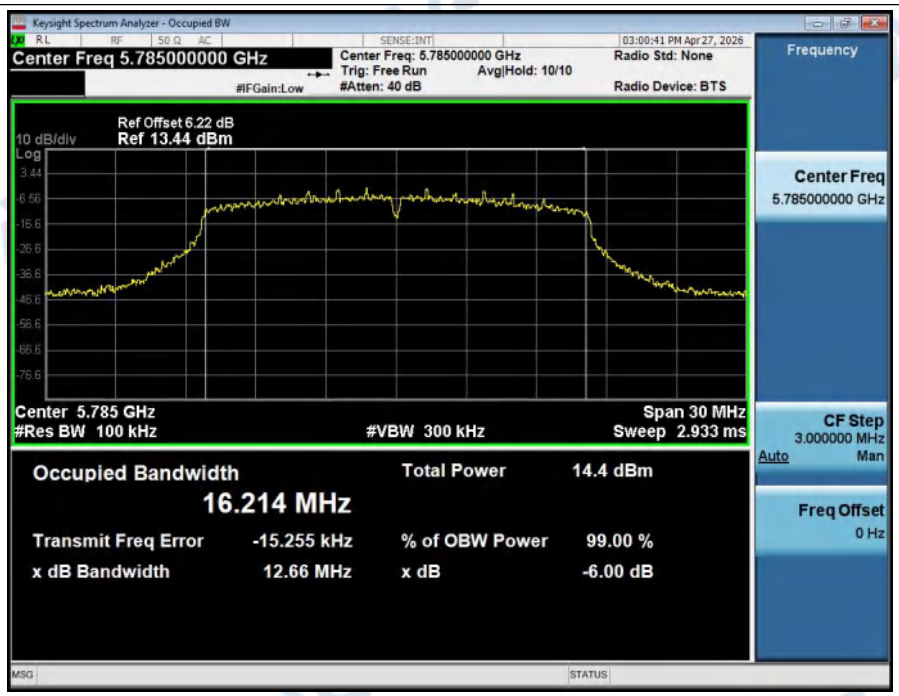
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT20)_5825_20M



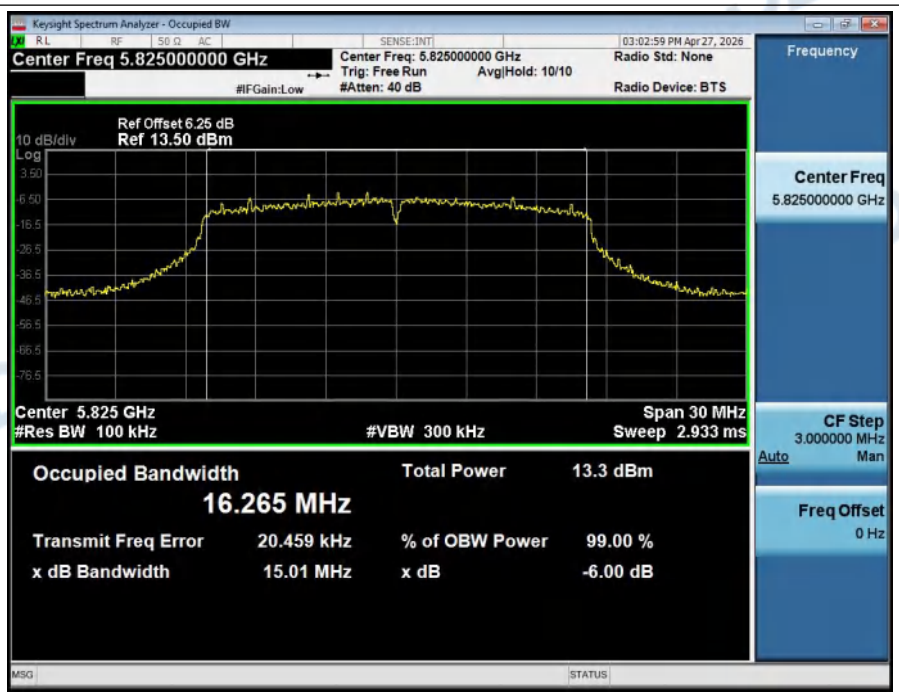
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5745_20M



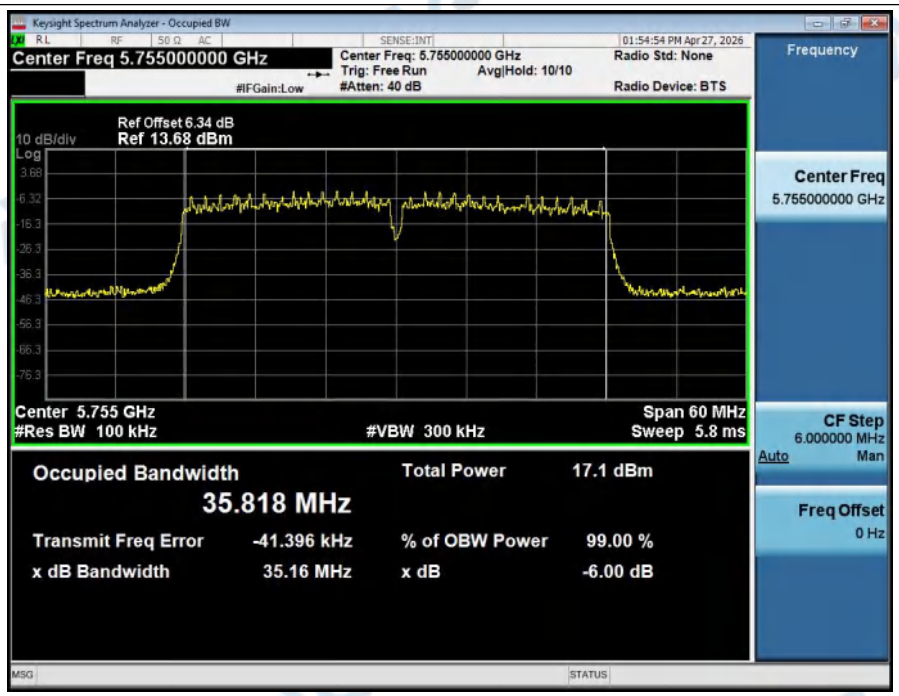
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5785_20M



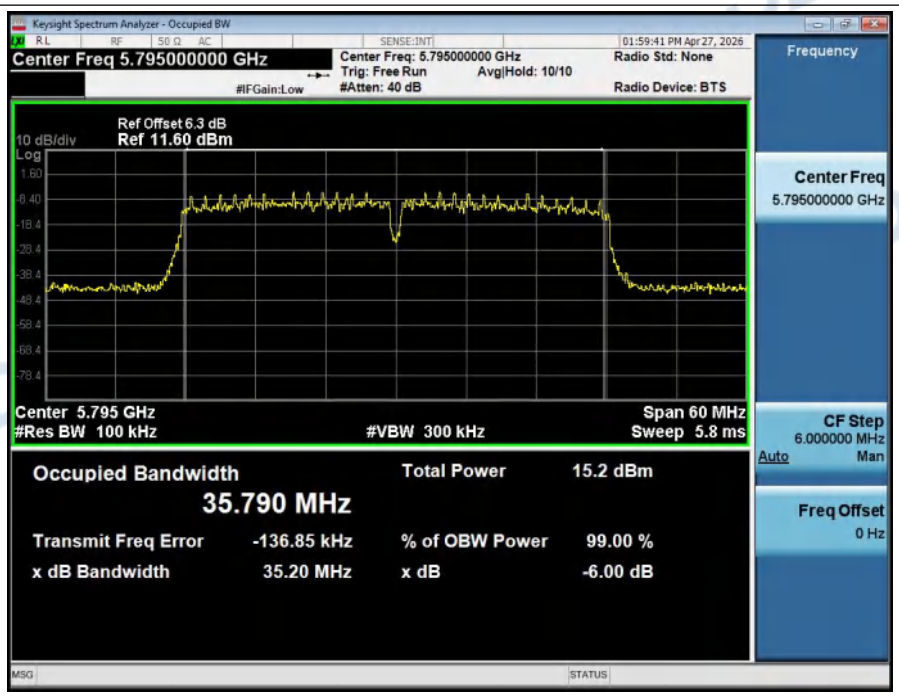
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT20)_5825_20M

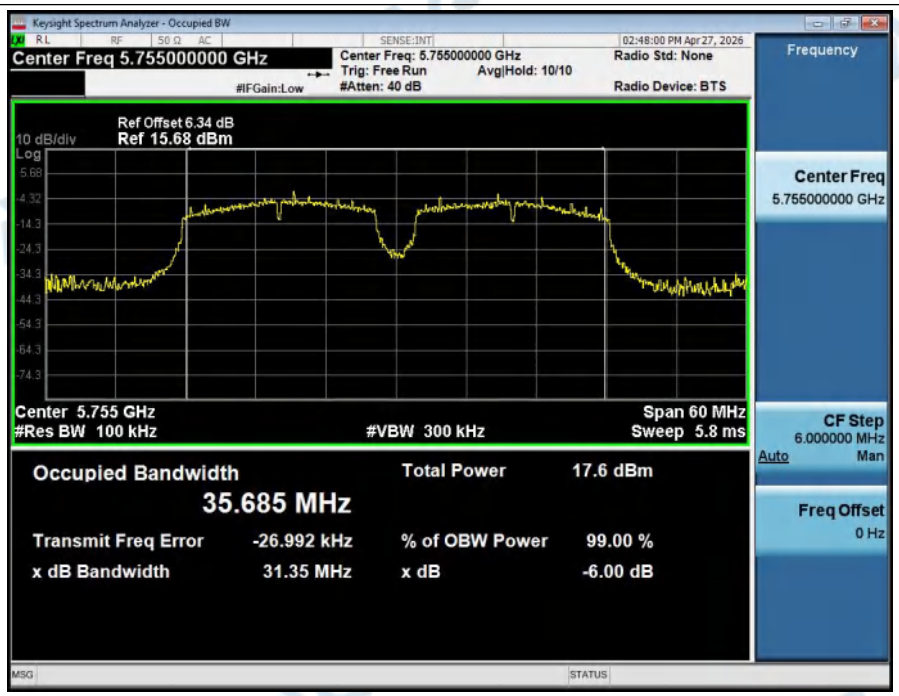


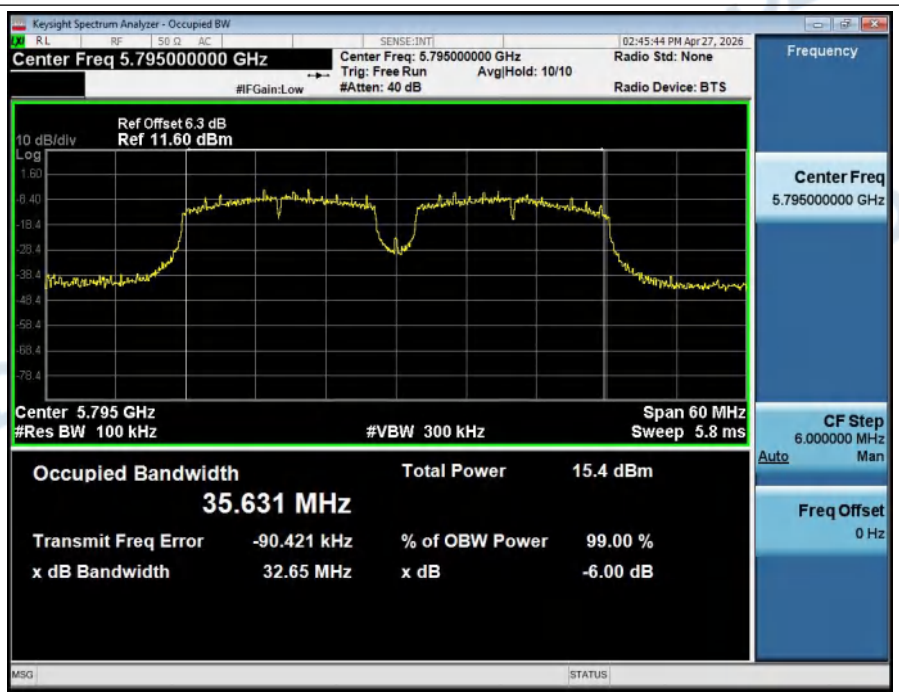
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT40)_5755_40M



-6dB_Emission_Bandwidth_NVNT_ANT1_802_11n(HT40)_5795_40M



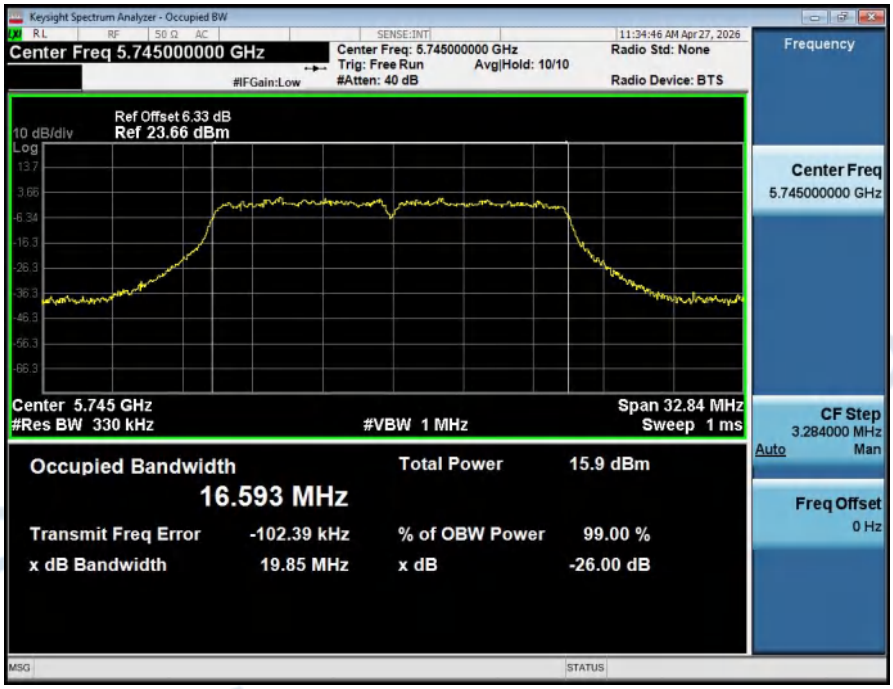
-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5755_40M


-6dB_Emission_Bandwidth_NVNT_ANT1_802_11ac(VHT40)_5795_40M


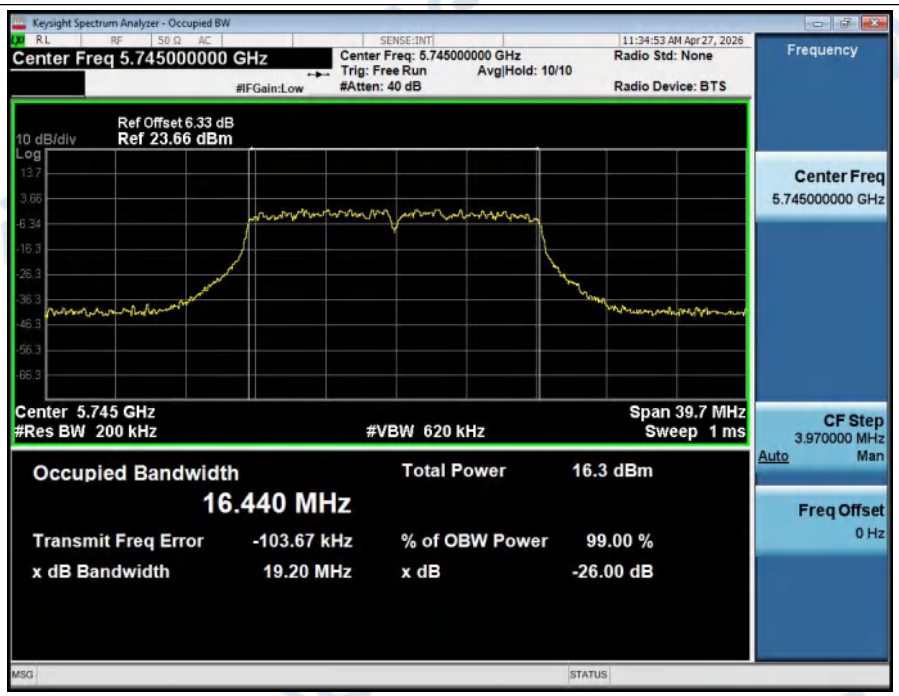
2. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5745.00	19.20	16.59
NVNT	ANT1	802.11a	5785.00	20.09	16.77
NVNT	ANT1	802.11a	5825.00	20.00	16.71
NVNT	ANT1	802.11n(HT20)	5745.00	19.84	17.68
NVNT	ANT1	802.11n(HT20)	5785.00	20.66	17.77
NVNT	ANT1	802.11n(HT20)	5825.00	20.77	17.81
NVNT	ANT1	802.11ac(VHT20)	5745.00	19.15	16.35
NVNT	ANT1	802.11ac(VHT20)	5785.00	18.83	16.31
NVNT	ANT1	802.11ac(VHT20)	5825.00	19.28	16.38
NVNT	ANT1	802.11n(HT40)	5755.00	38.23	35.91
NVNT	ANT1	802.11n(HT40)	5795.00	38.89	35.98
NVNT	ANT1	802.11ac(VHT40)	5755.00	40.24	36.04
NVNT	ANT1	802.11ac(VHT40)	5795.00	40.10	35.95

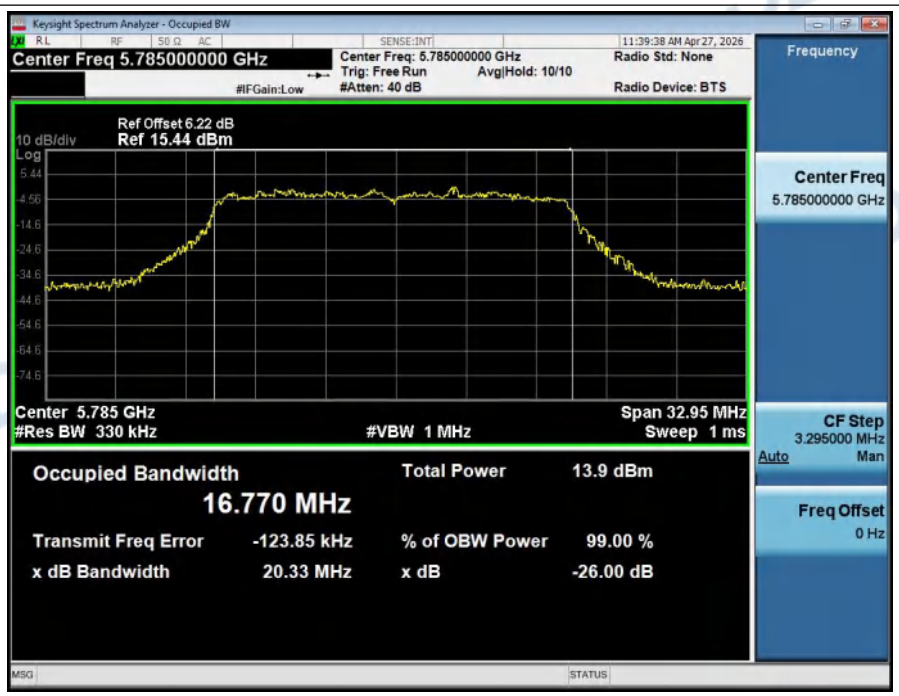
99%_OCB_NVNT_ANT1_802_11a_5745



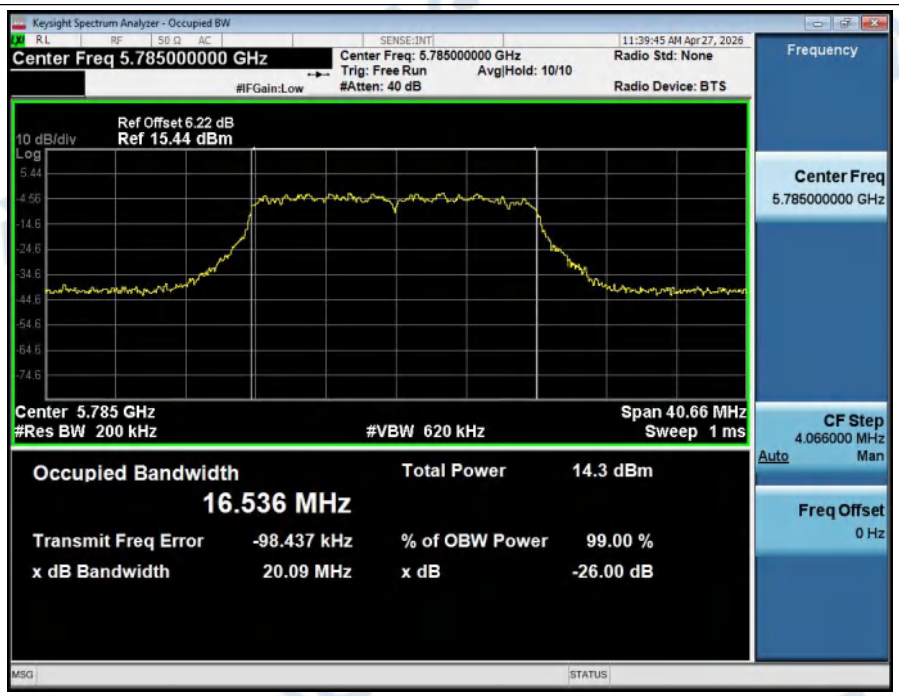
-26BW_NVNT_ANT1_802_11a_5745



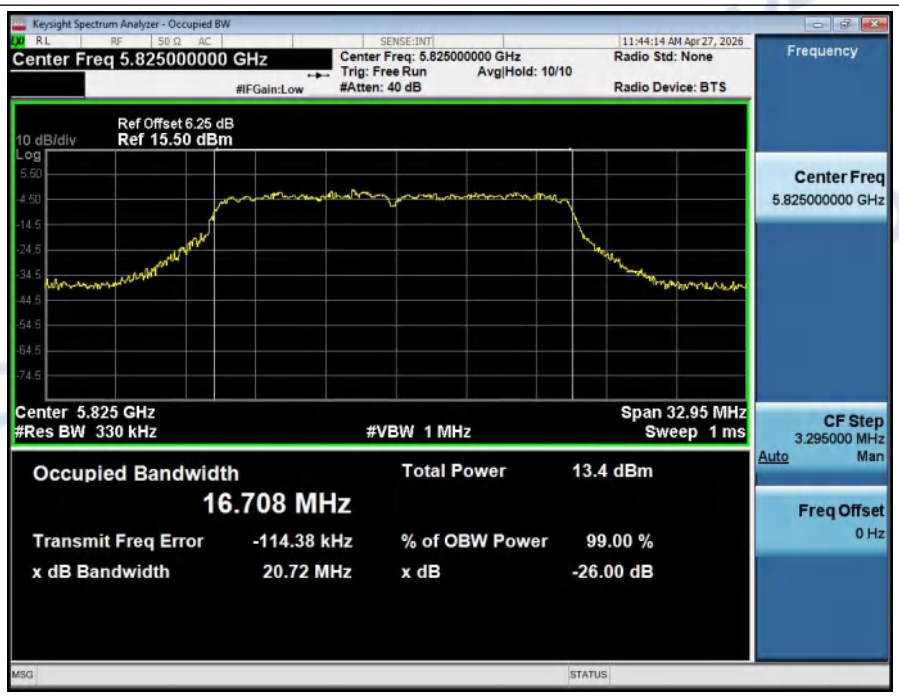
99%_OCB_NVNT_ANT1_802_11a_5785



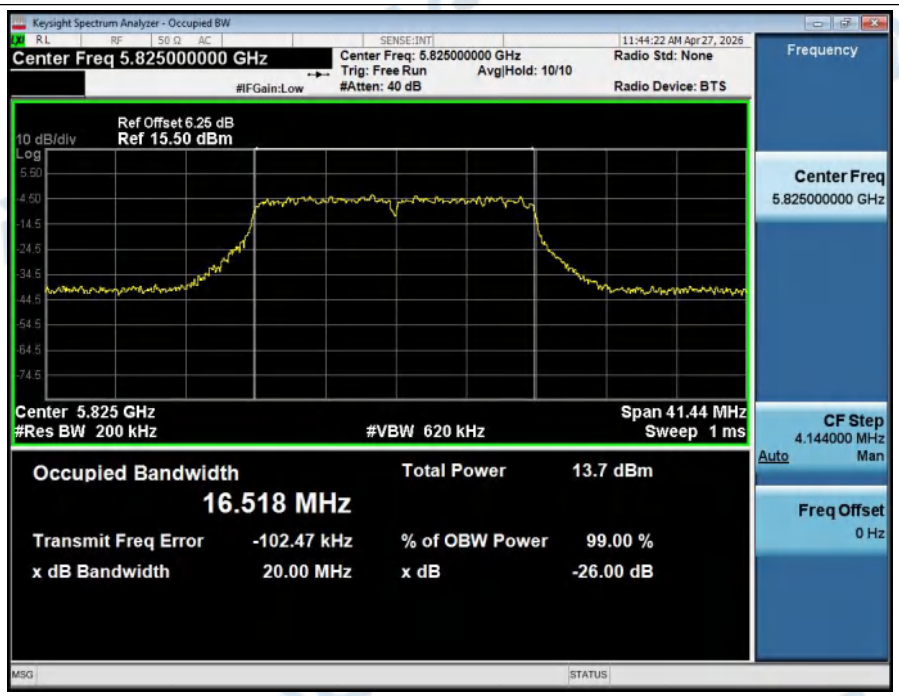
-26BW_NVNT_ANT1_802_11a_5785



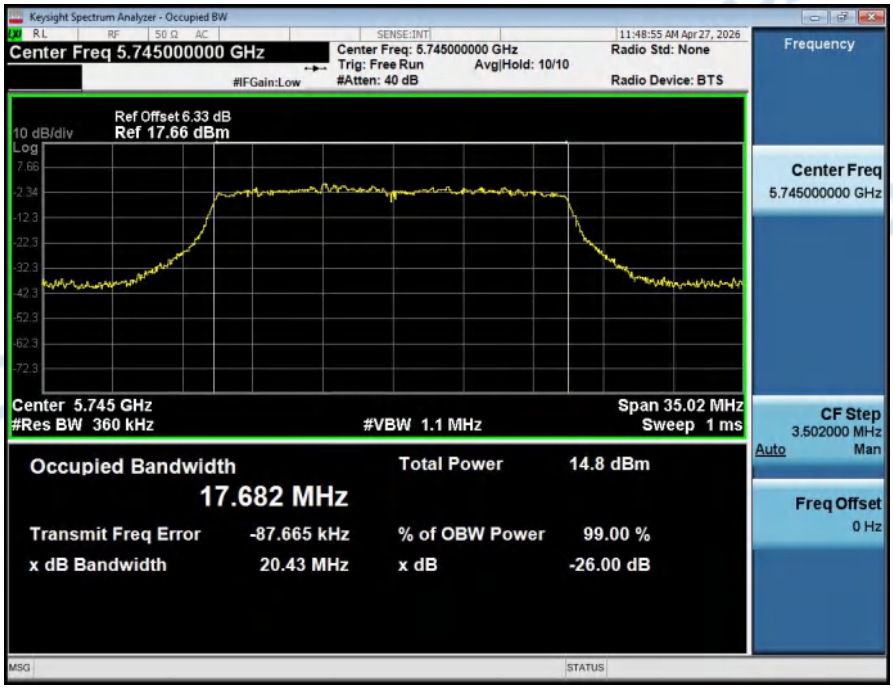
99%_OCB_NVNT_ANT1_802_11a_5825



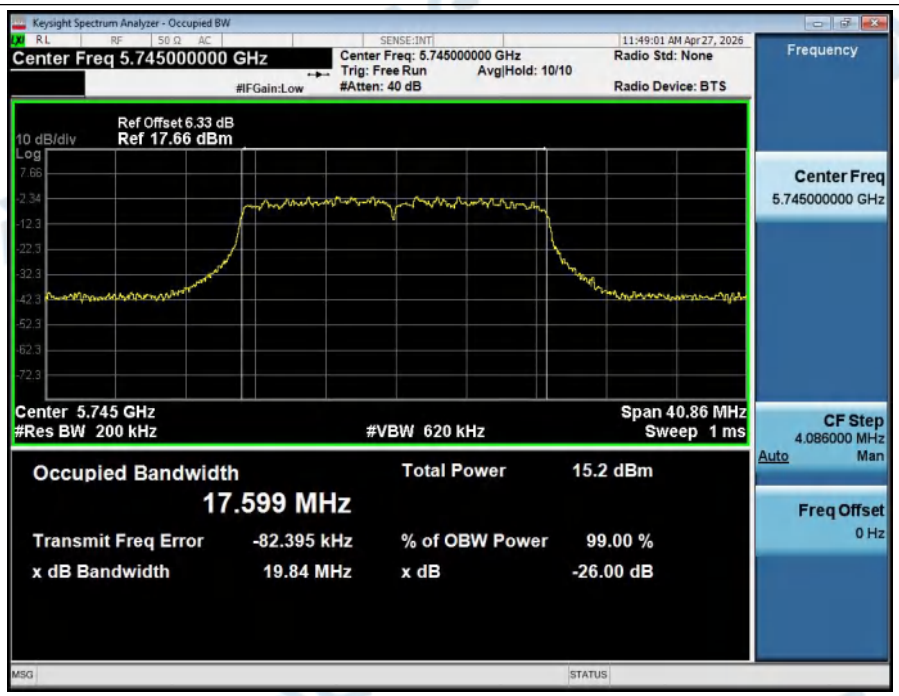
-26BW_NVNT_ANT1_802_11a_5825



99%_OCB_NVNT_ANT1_802_11n(HT20)_5745

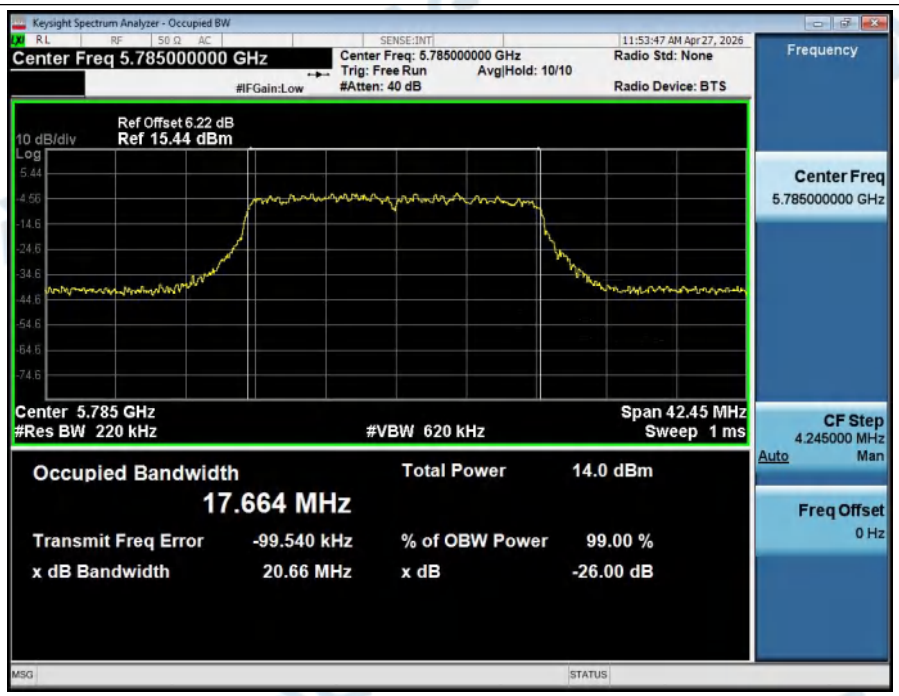


-26BW_NVNT_ANT1_802_11n(HT20)_5745



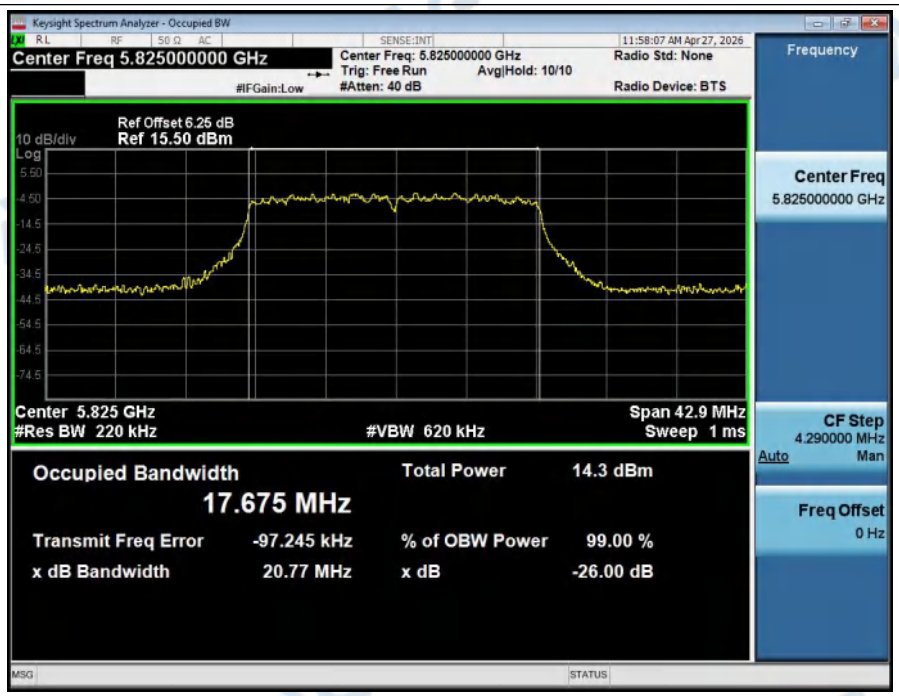
99%_OCB_NVNT_ANT1_802_11n(HT20)_5785

-26BW_NVNT_ANT1_802_11n(HT20)_5785



99%_OCB_NVNT_ANT1_802_11n(HT20)_5825

-26BW_NVNT_ANT1_802_11n(HT20)_5825



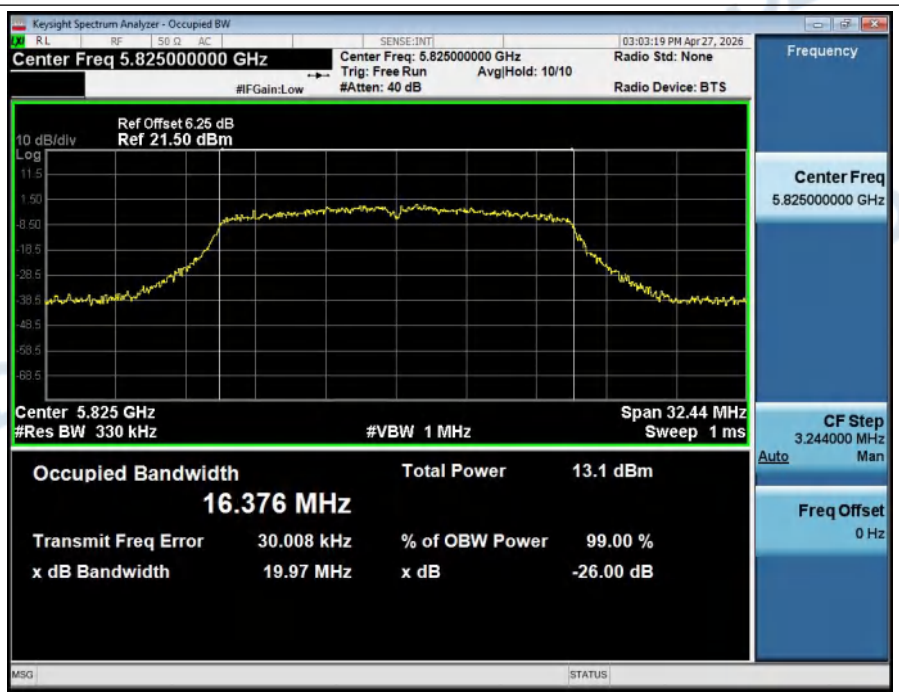
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5745

-26BW_NVNT_ANT1_802_11ac(VHT20)_5745

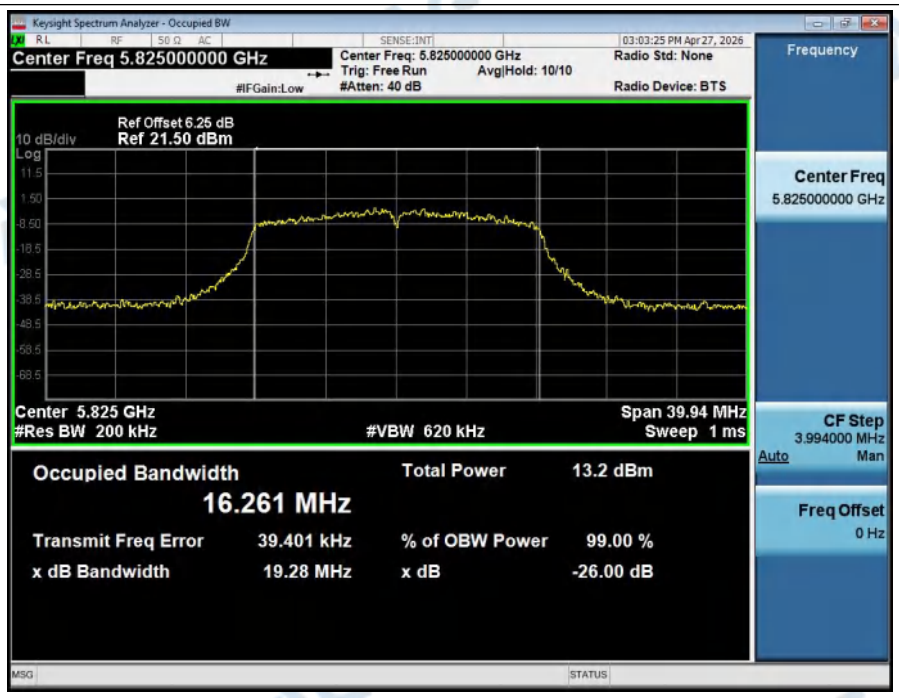
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5785

-26BW_NVNT_ANT1_802_11ac(VHT20)_5785

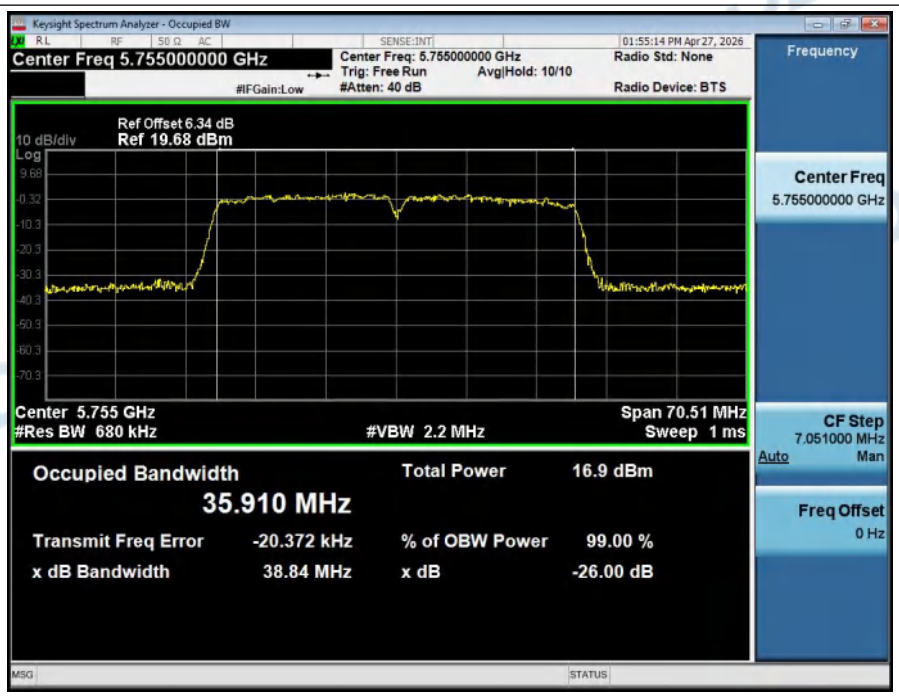
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5825



-26BW_NVNT_ANT1_802_11ac(VHT20)_5825



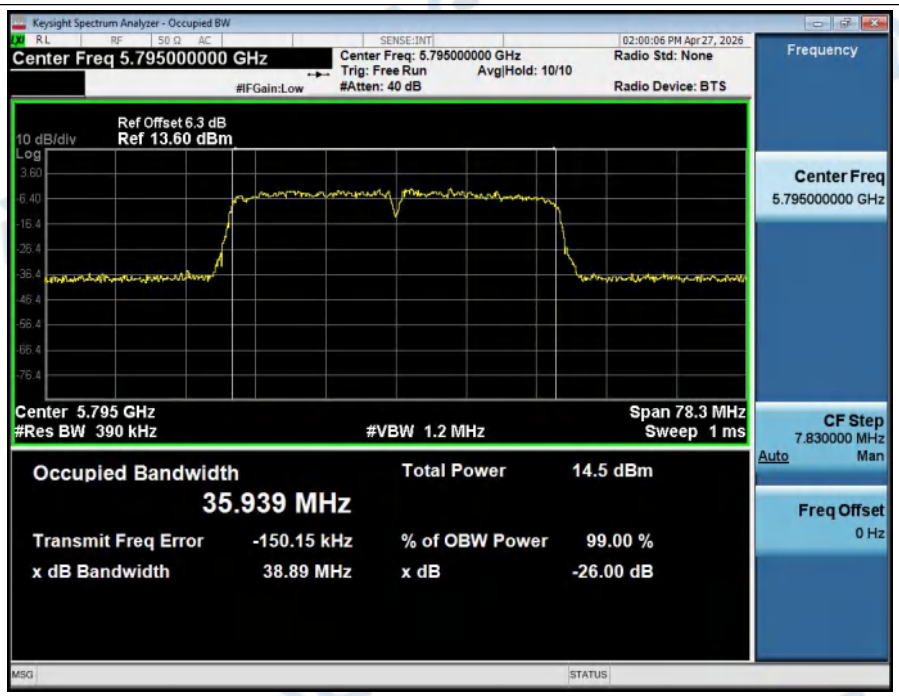
99%_OCB_NVNT_ANT1_802_11n(HT40)_5755



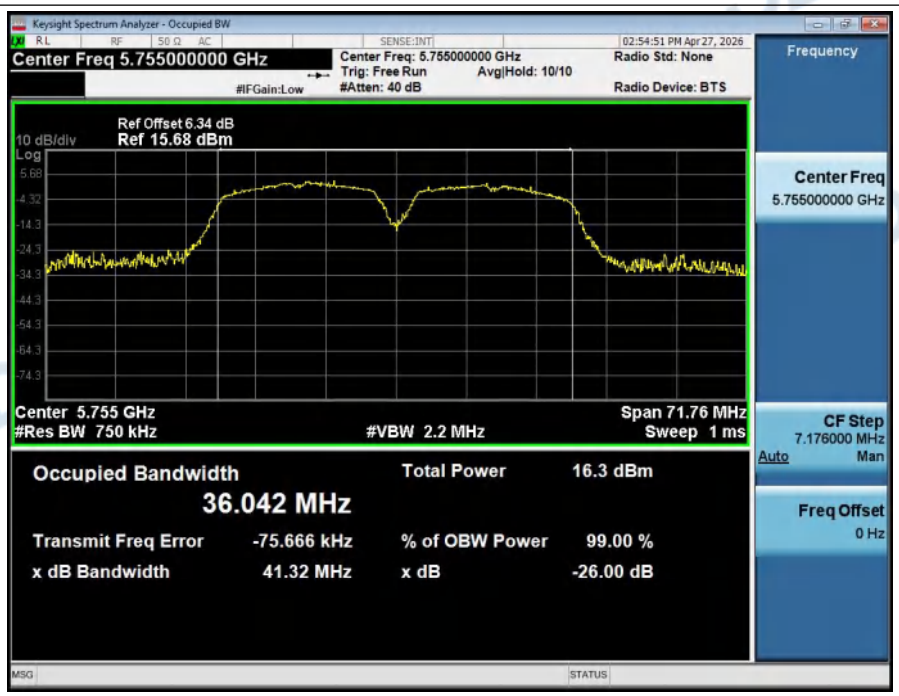
-26BW_NVNT_ANT1_802_11n(HT40)_5755

99%_OCB_NVNT_ANT1_802_11n(HT40)_5795

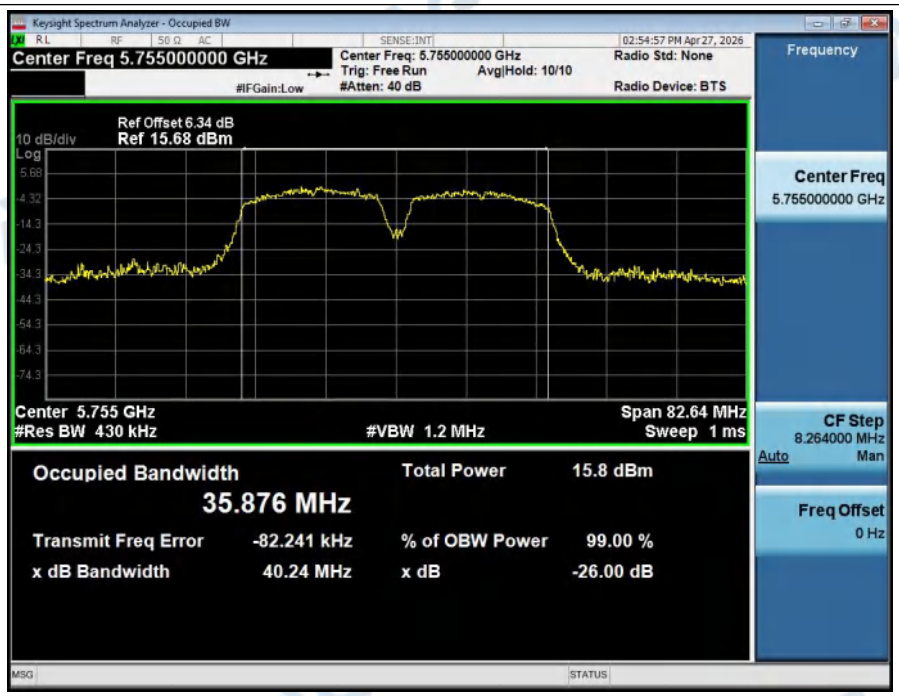
-26BW_NVNT_ANT1_802_11n(HT40)_5795



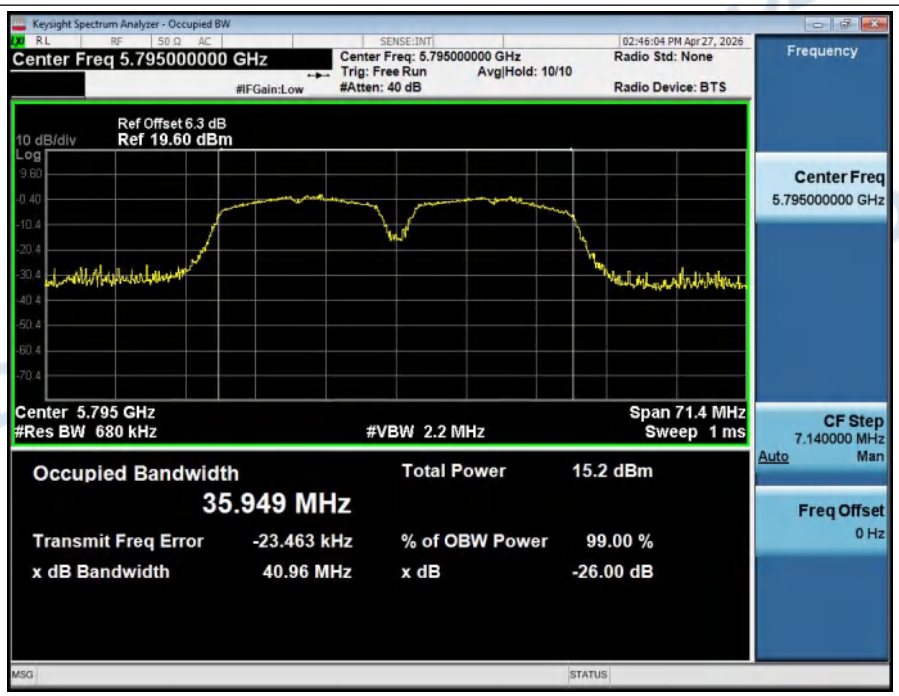
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5755



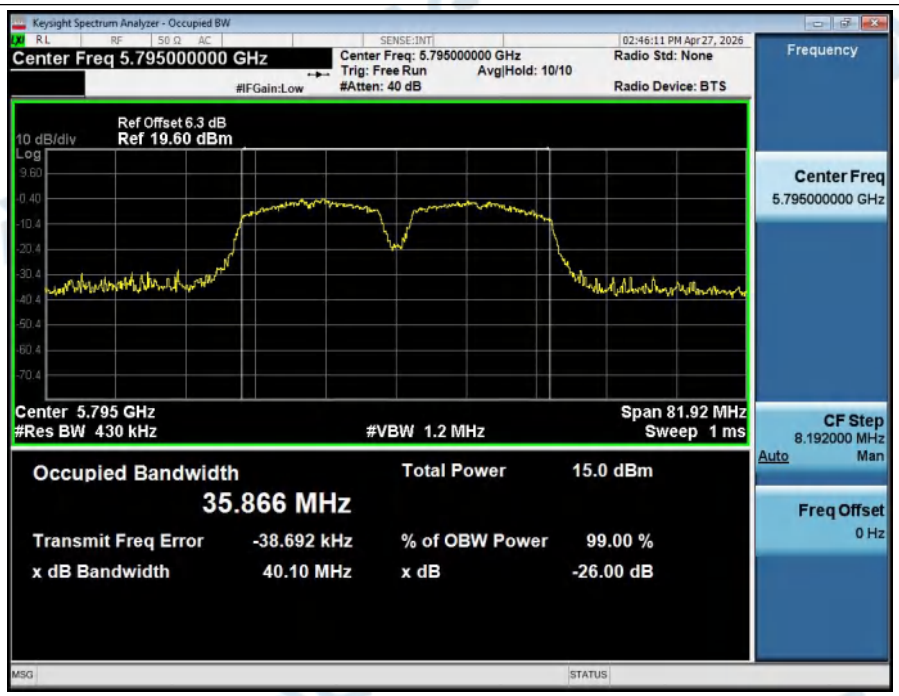
-26BW_NVNT_ANT1_802_11ac(VHT40)_5755



99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5795



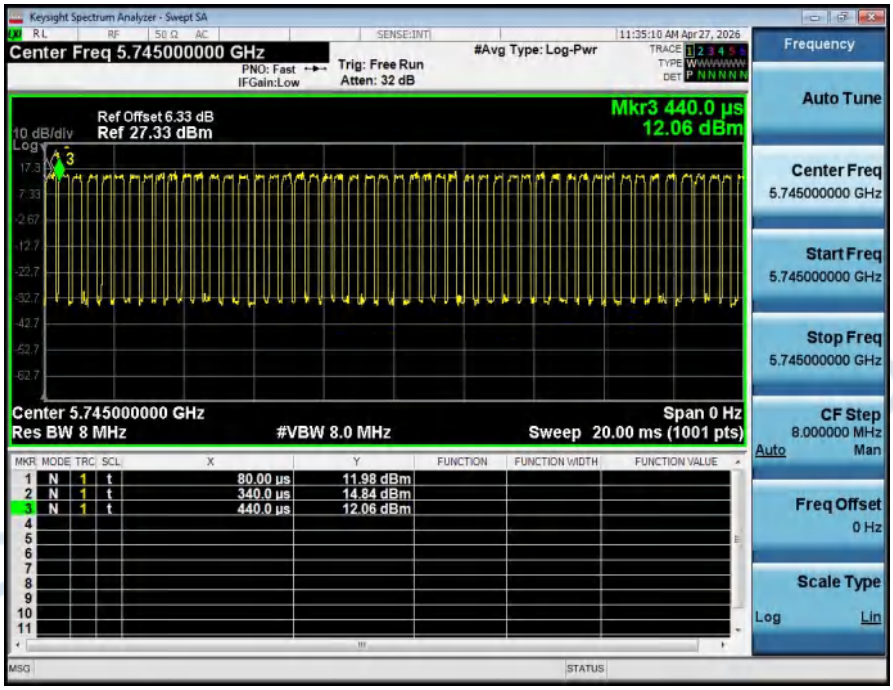
-26BW_NVNT_ANT1_802_11ac(VHT40)_5795



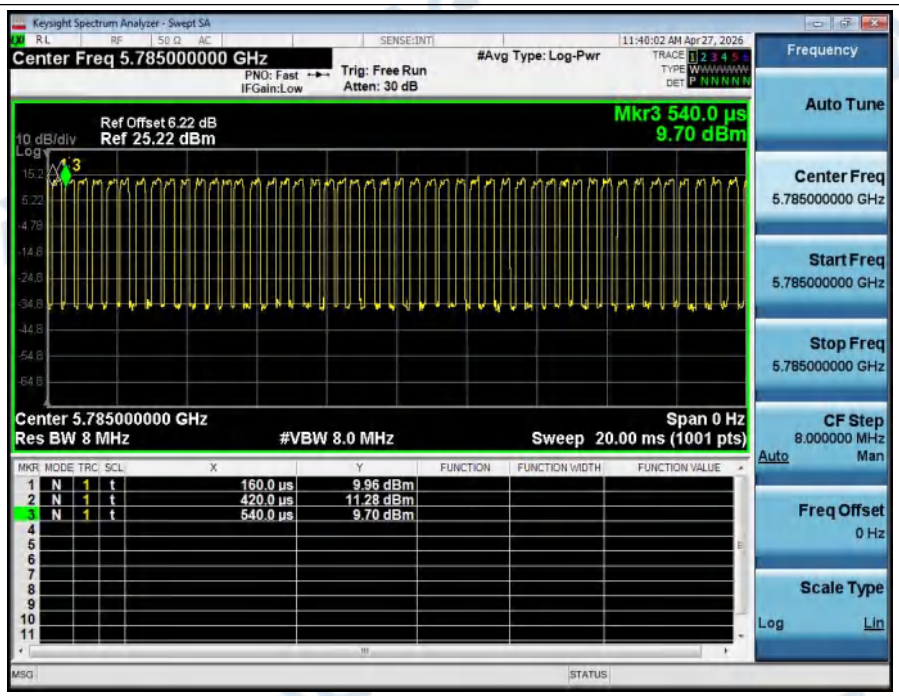
3. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	72.22	1.41
NVNT	ANT1	802.11a	5785.00	68.42	1.65
NVNT	ANT1	802.11a	5825.00	63.16	2.00
NVNT	ANT1	802.11n(HT20)	5745.00	50.00	3.01
NVNT	ANT1	802.11n(HT20)	5785.00	55.00	2.60
NVNT	ANT1	802.11n(HT20)	5825.00	70.59	1.51
NVNT	ANT1	802.11ac(VHT20)	5745.00	83.74	0.77
NVNT	ANT1	802.11ac(VHT20)	5785.00	81.75	0.88
NVNT	ANT1	802.11ac(VHT20)	5825.00	41.43	3.83
NVNT	ANT1	802.11n(HT40)	5755.00	43.75	3.59
NVNT	ANT1	802.11n(HT40)	5795.00	63.64	1.96
NVNT	ANT1	802.11ac(VHT40)	5755.00	84.55	0.73
NVNT	ANT1	802.11ac(VHT40)	5795.00	82.54	0.83

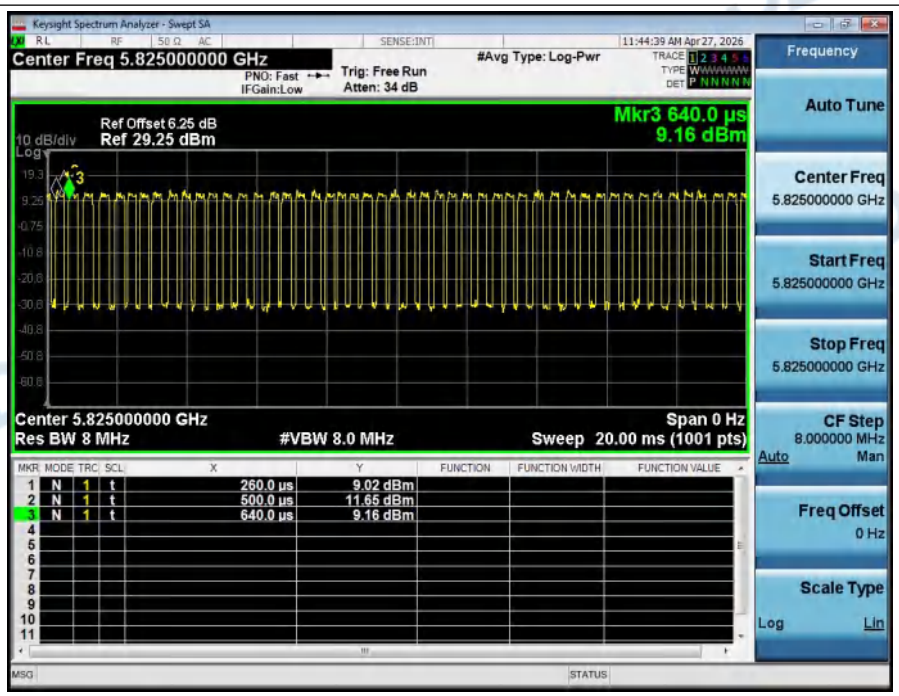
Duty_Cycle_NVNT_ANT1_802_11a_5745



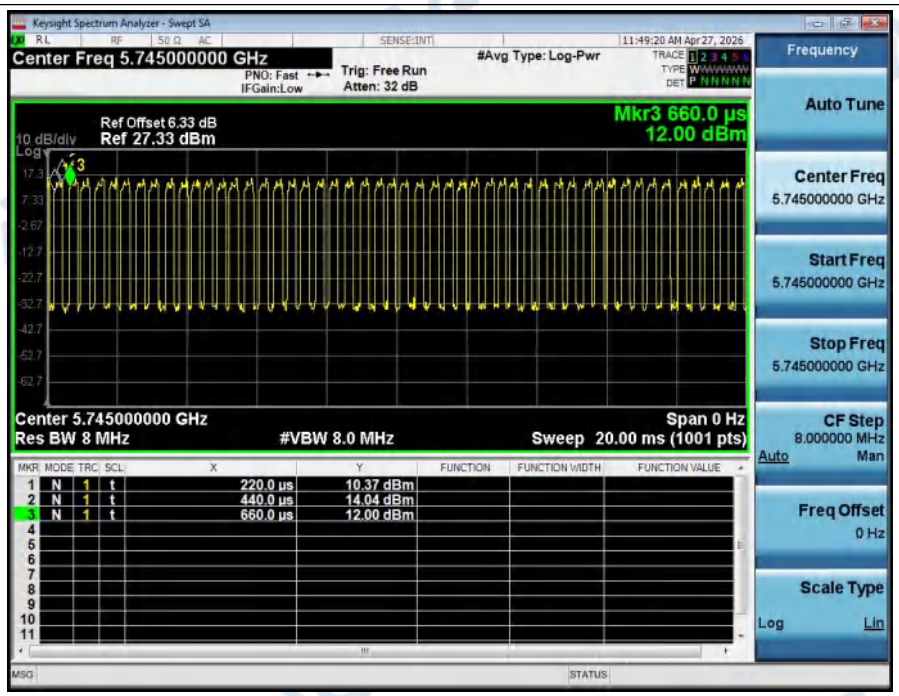
Duty_Cycle_NVNT_ANT1_802_11a_5785



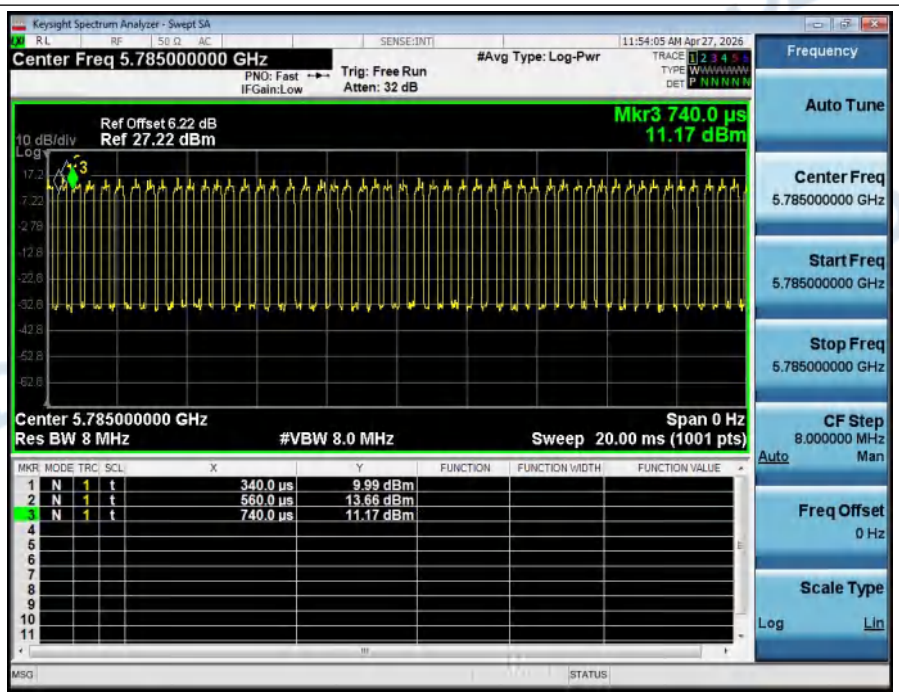
Duty_Cycle_NVNT_ANT1_802_11a_5825



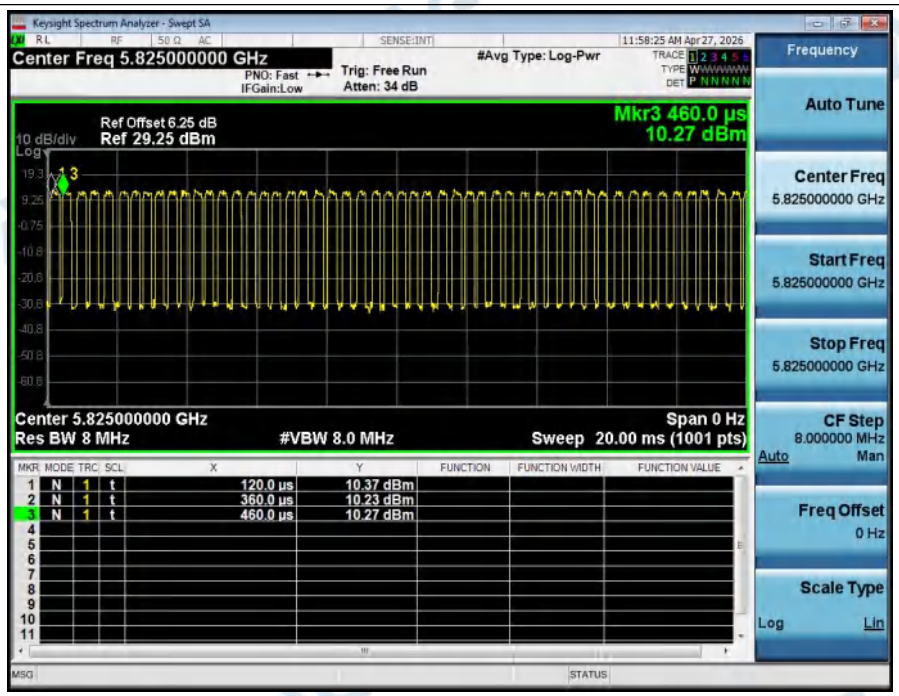
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5745



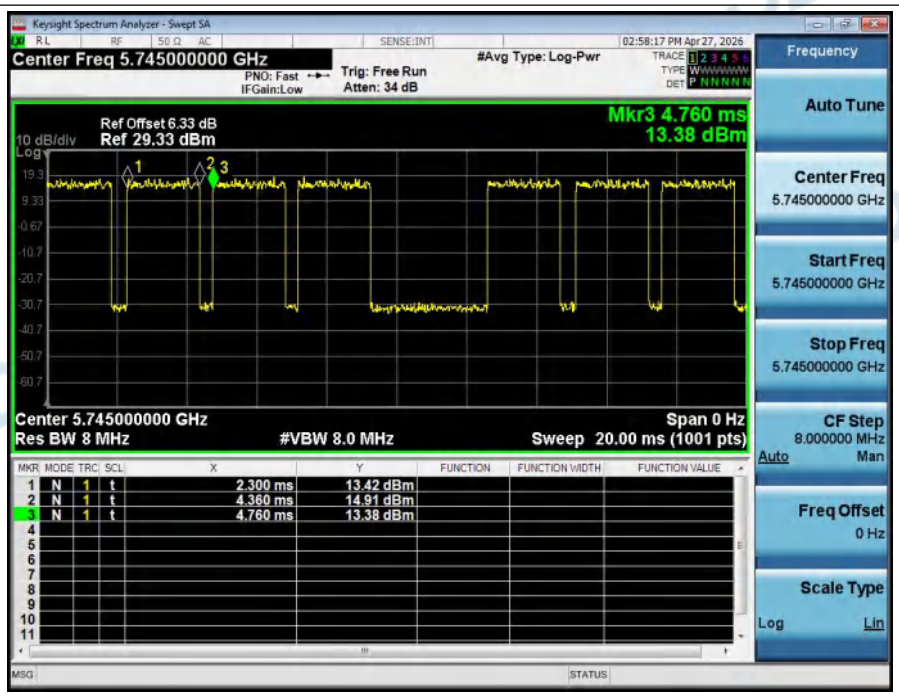
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5785



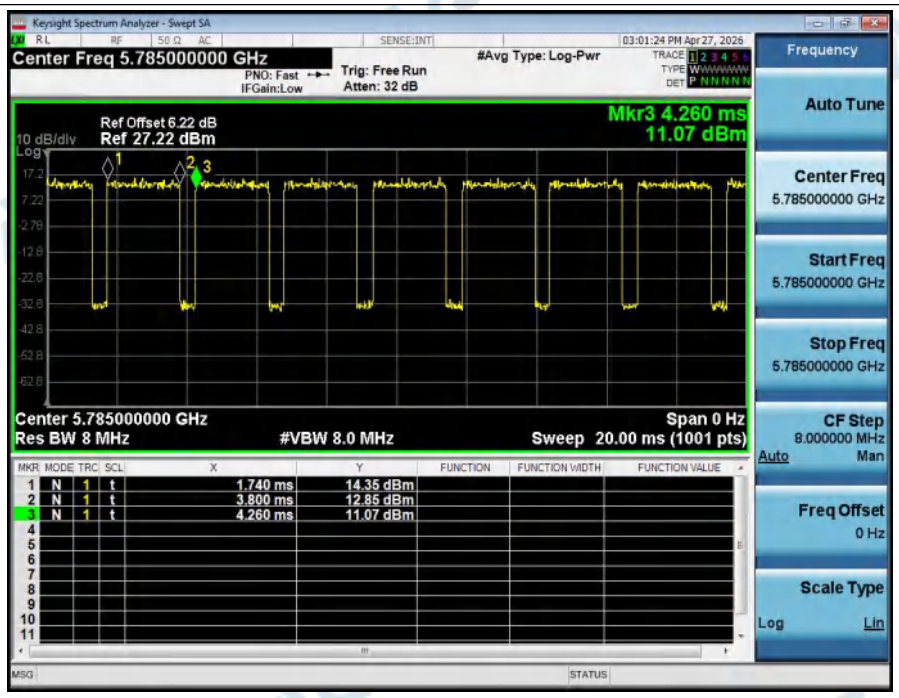
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5825



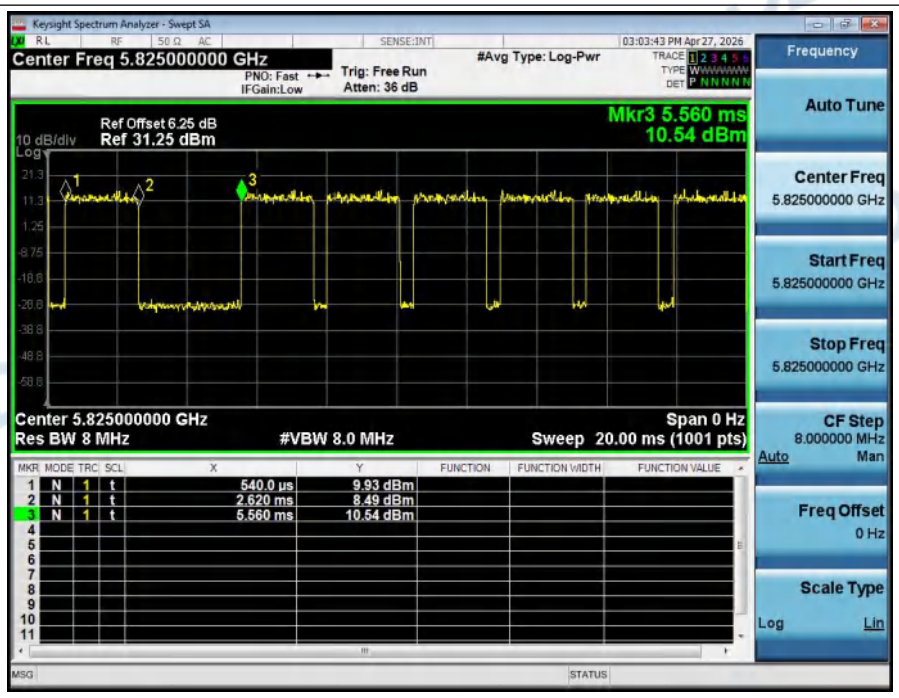
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5745



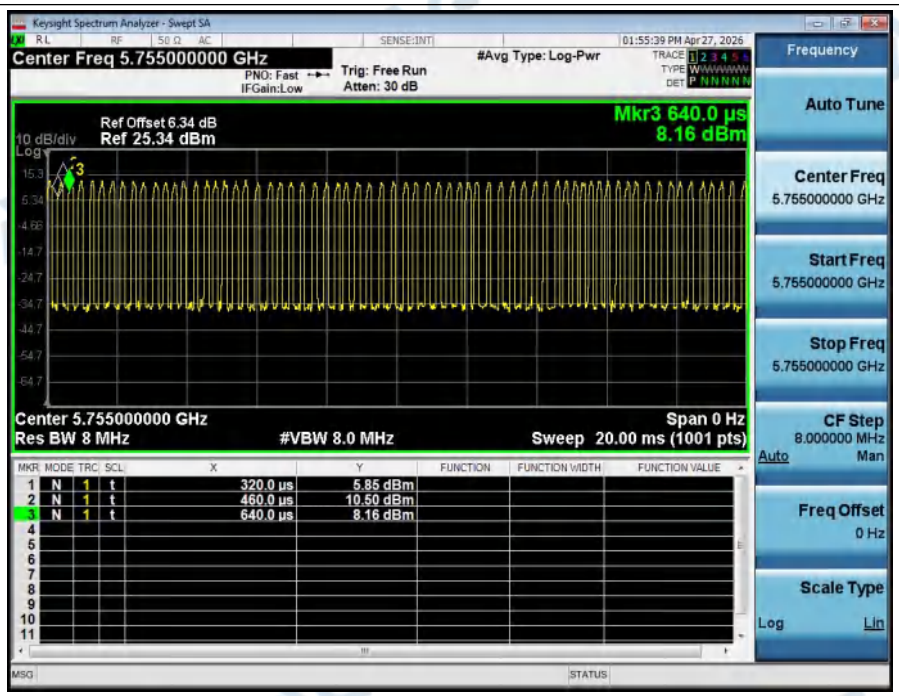
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5785



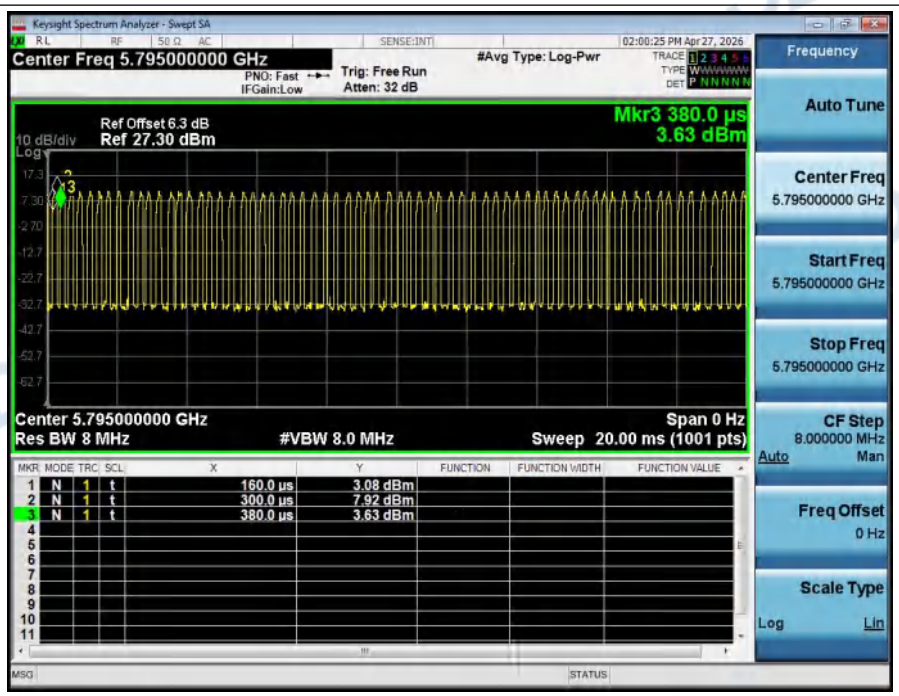
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5825



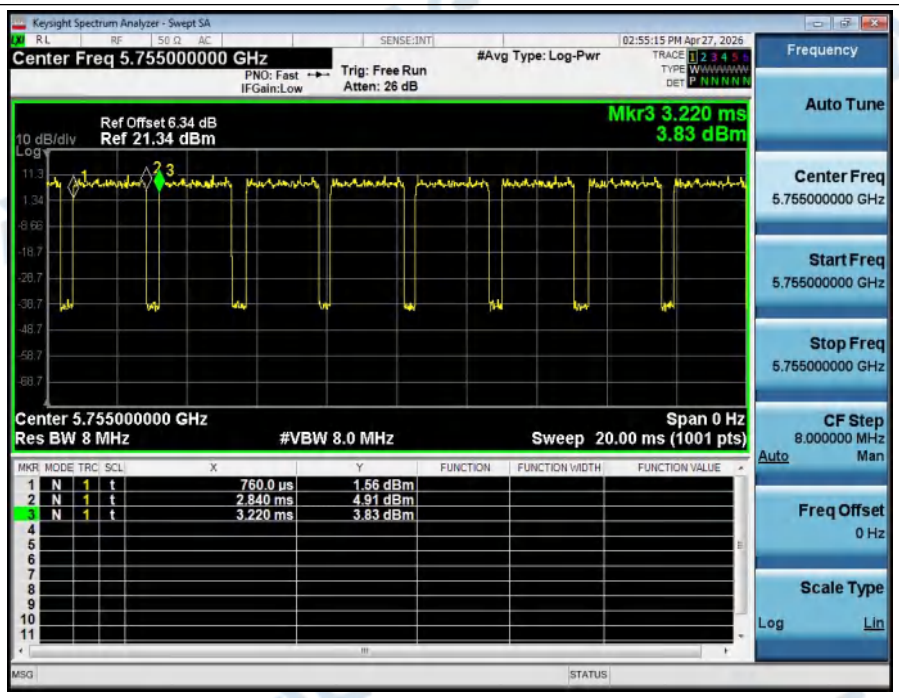
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5755



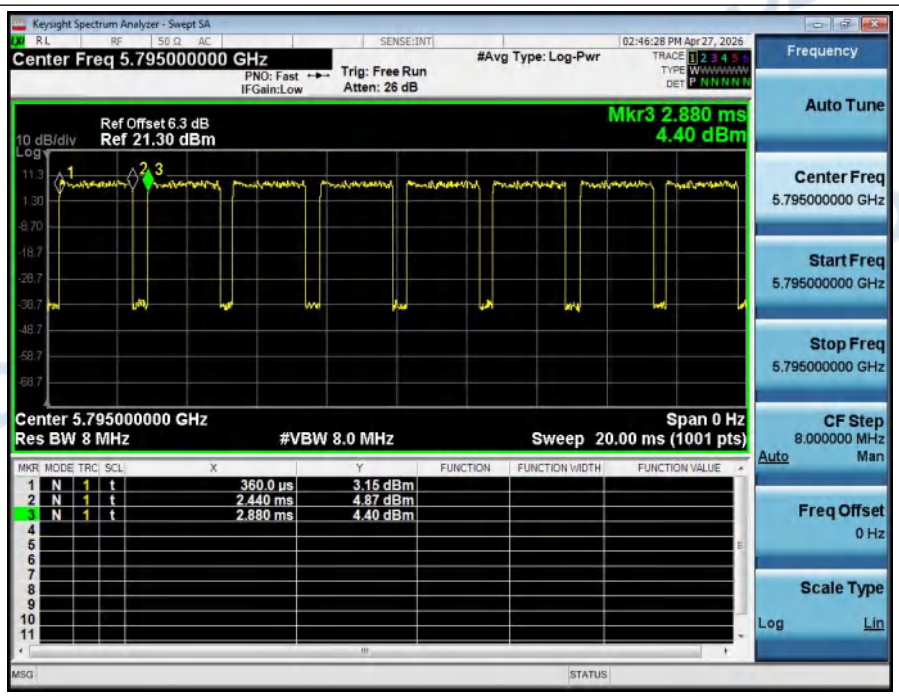
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5795



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5755



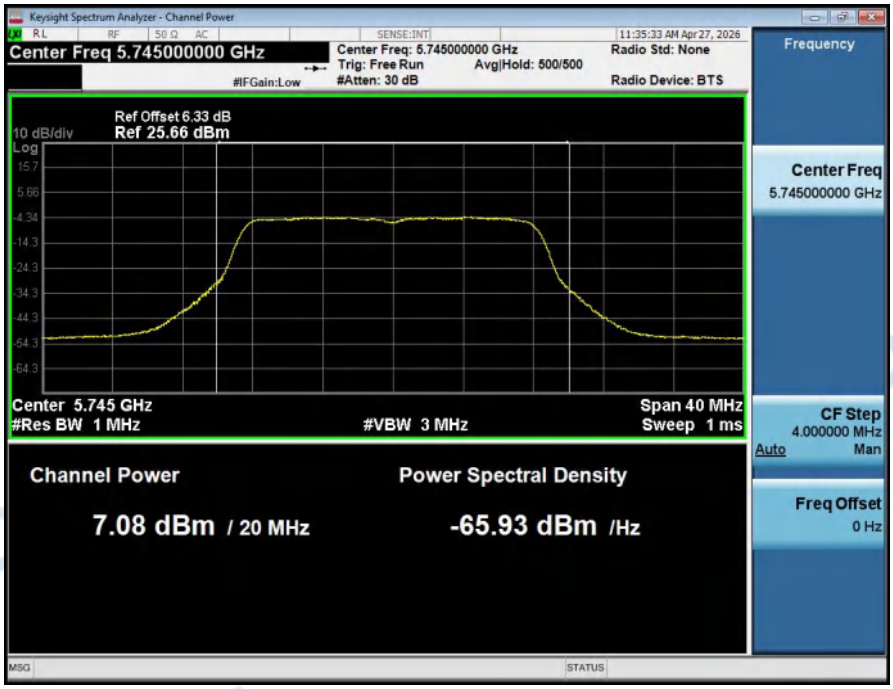
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5795



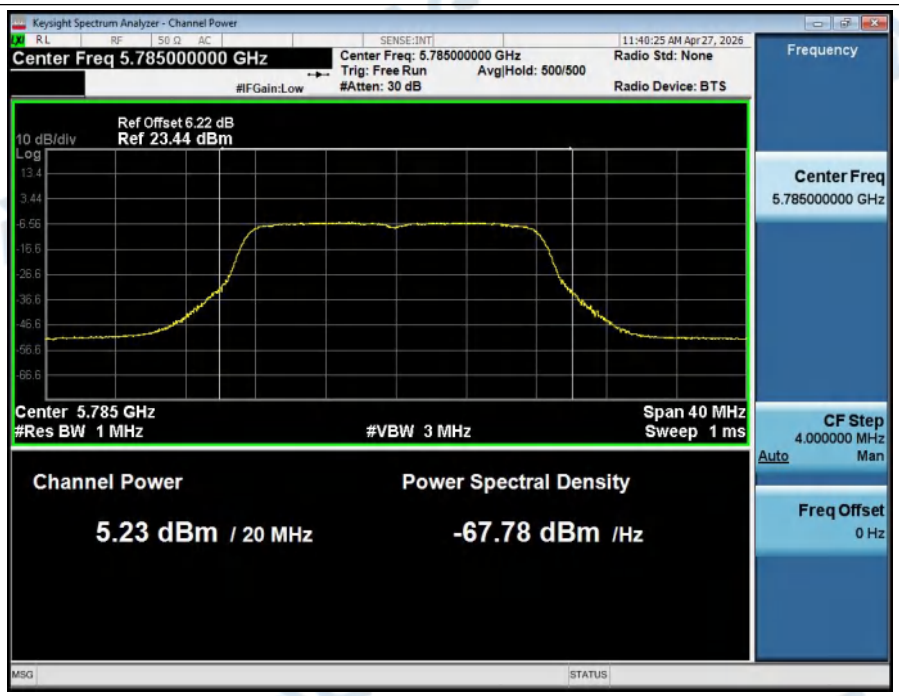
4. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	7.08	1.41	8.49	30	Pass
NVNT	ANT1	802.11a	5785.00	5.23	1.65	6.88	30	Pass
NVNT	ANT1	802.11a	5825.00	4.57	2.00	6.57	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	5.82	3.01	8.83	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	5.66	2.60	8.26	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5.41	1.51	6.92	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	9.08	0.77	9.85	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	6.99	0.88	7.87	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	6.05	3.83	9.88	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	6.30	3.59	9.89	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	4.34	1.96	6.30	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	8.42	0.73	9.15	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	8.71	0.83	9.54	30	Pass

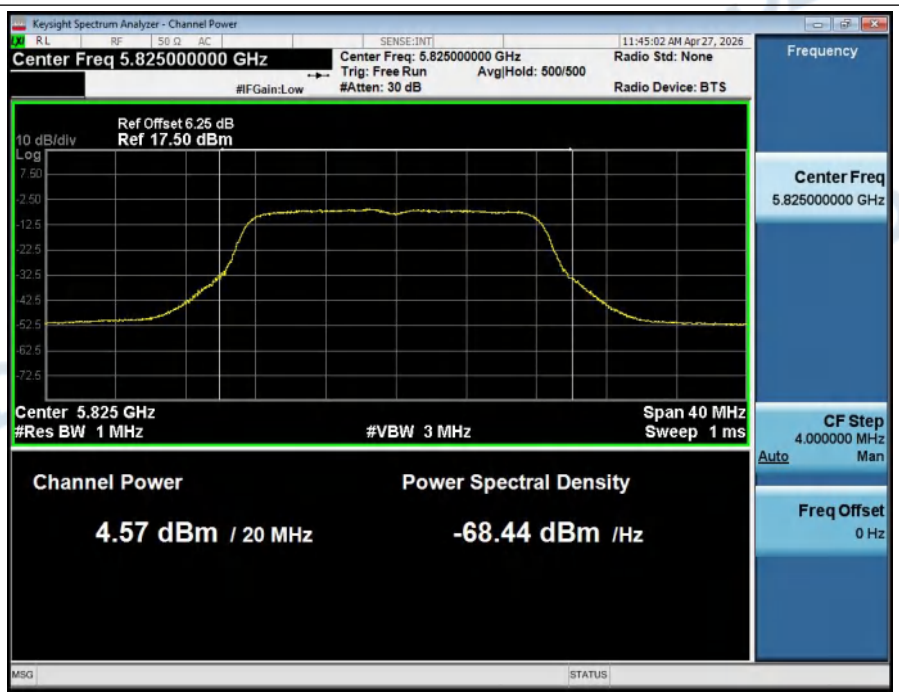
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5745



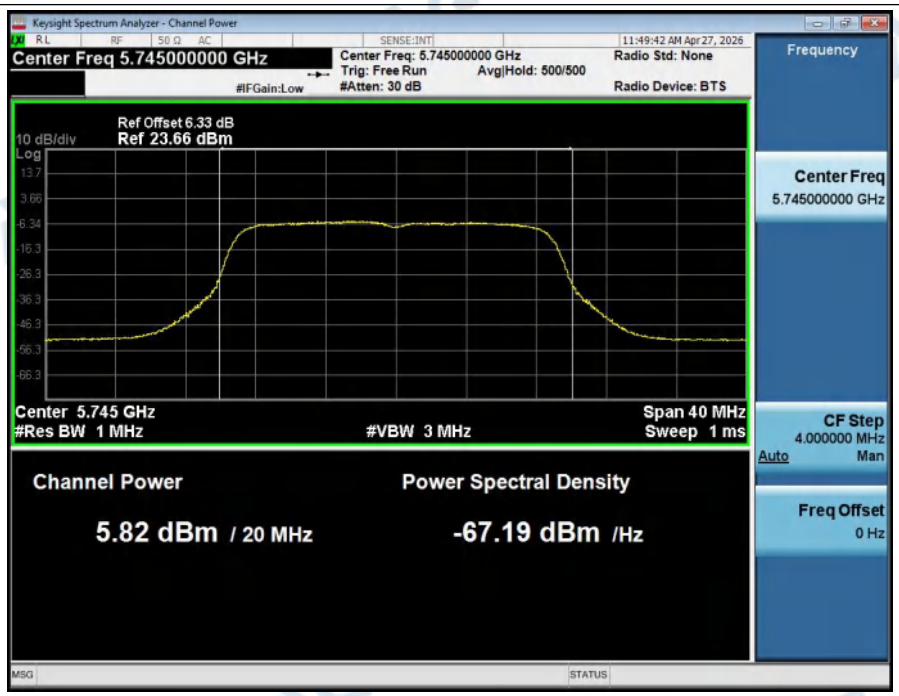
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5785



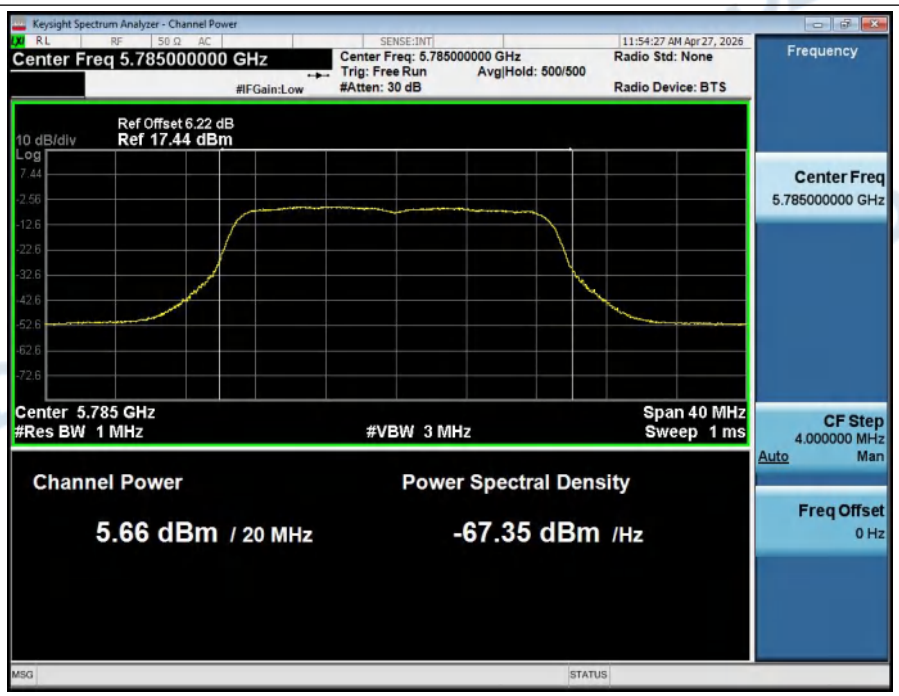
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5825



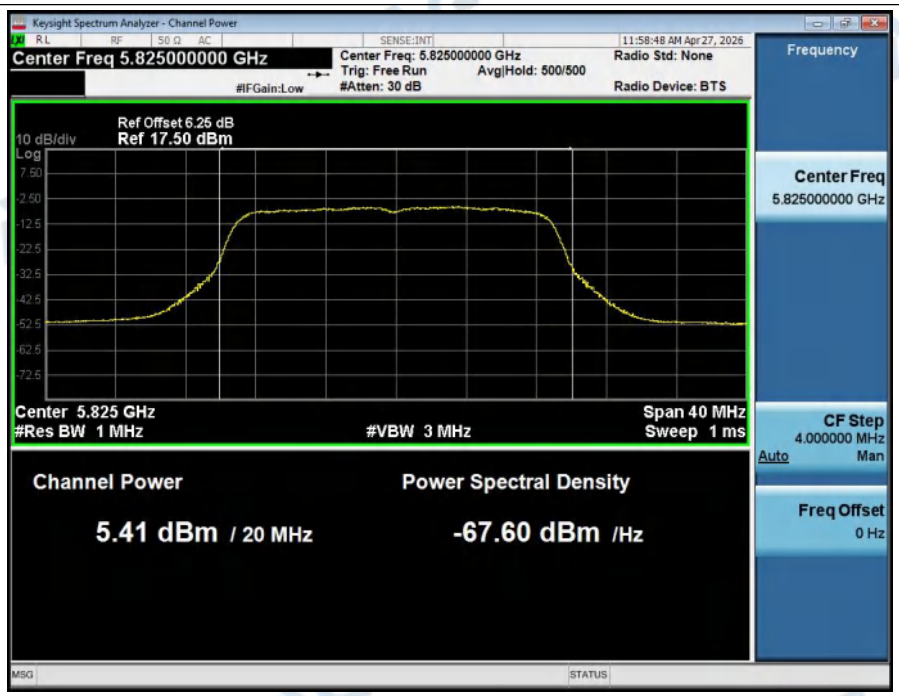
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5745



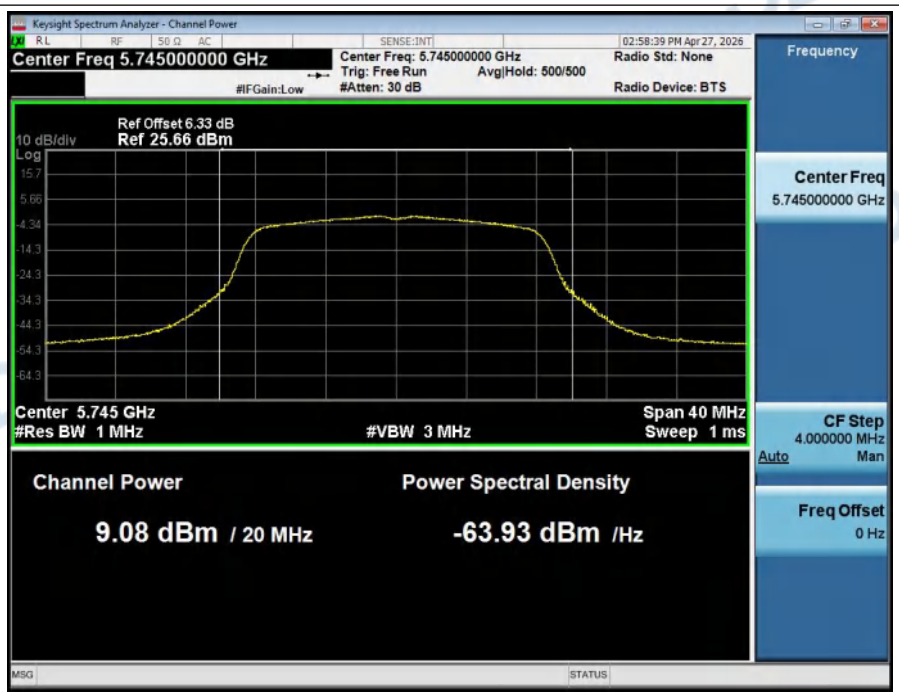
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5785



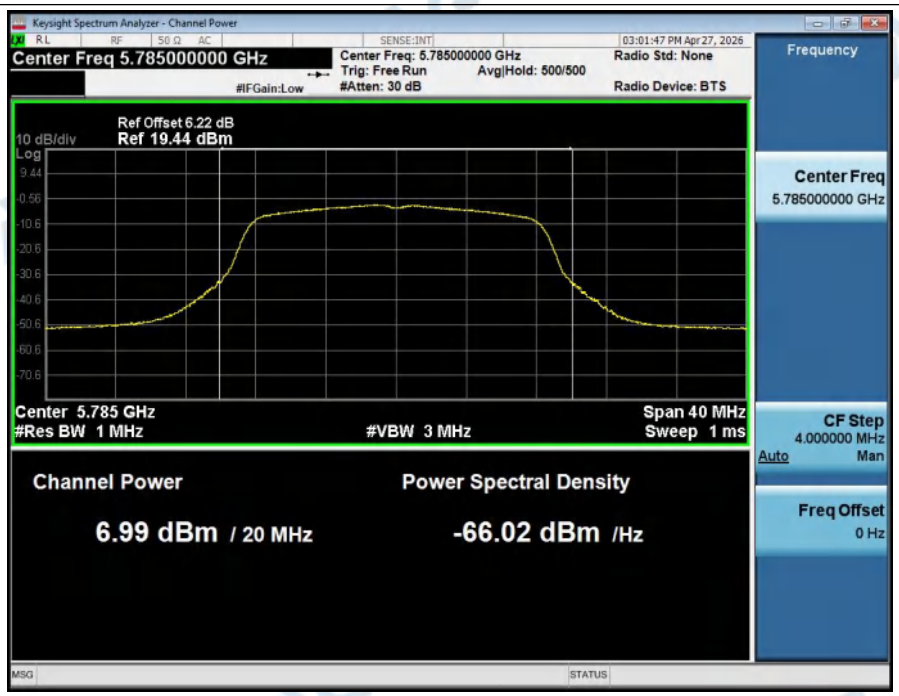
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5825



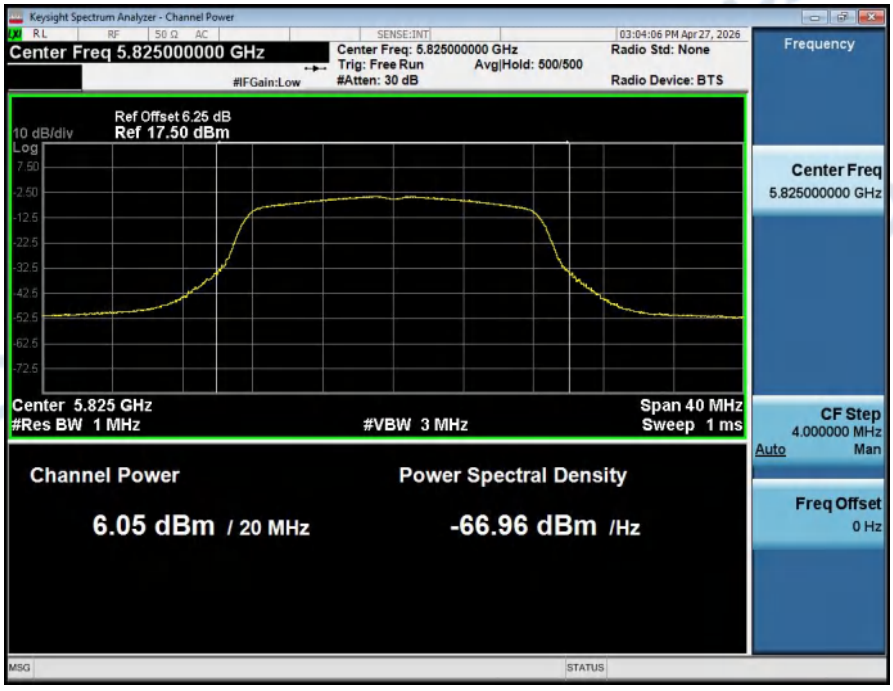
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5745



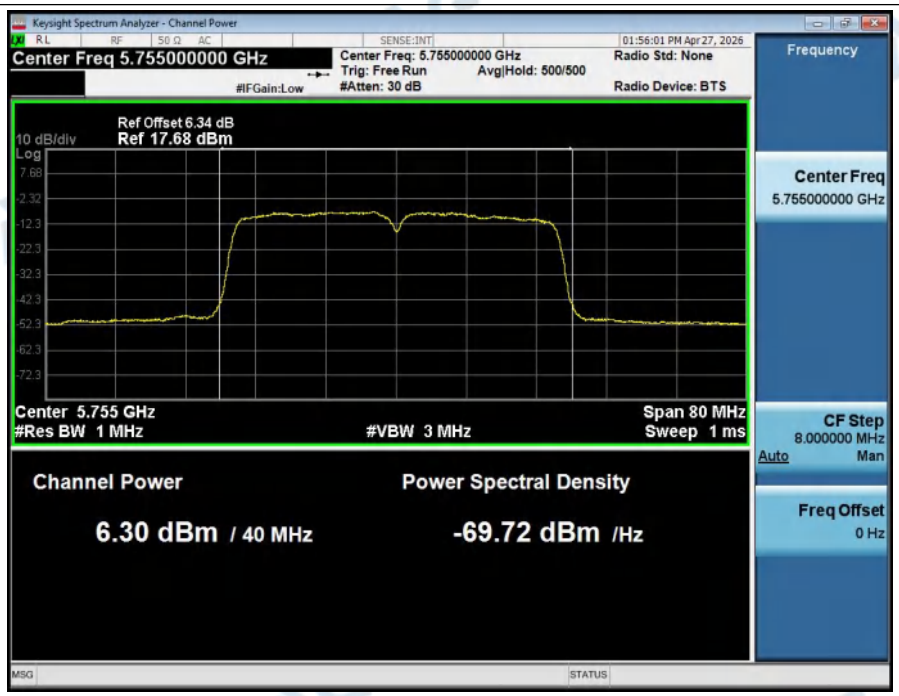
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5785



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5825

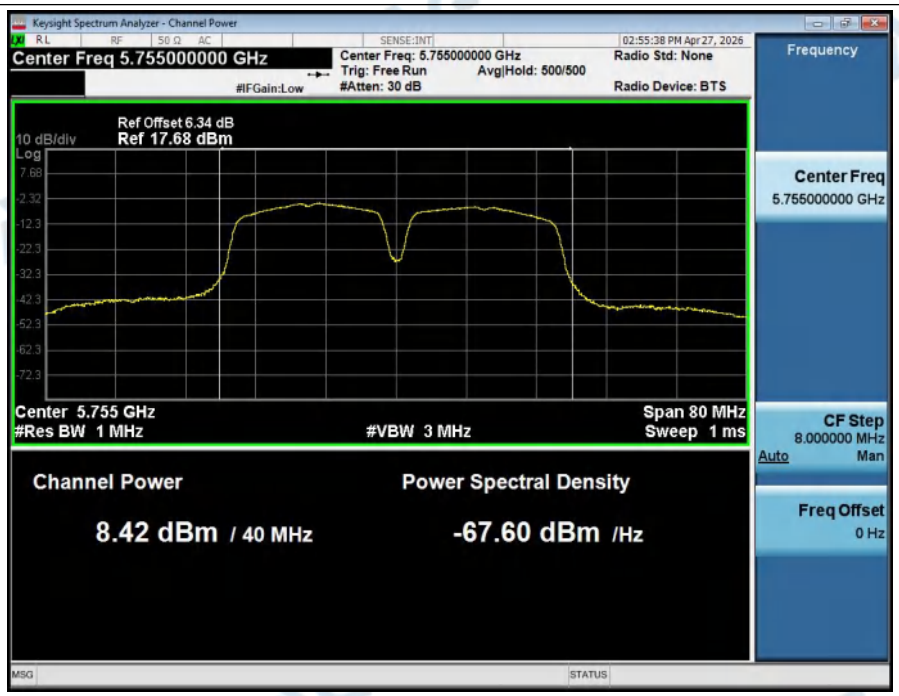


Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT40)_5755

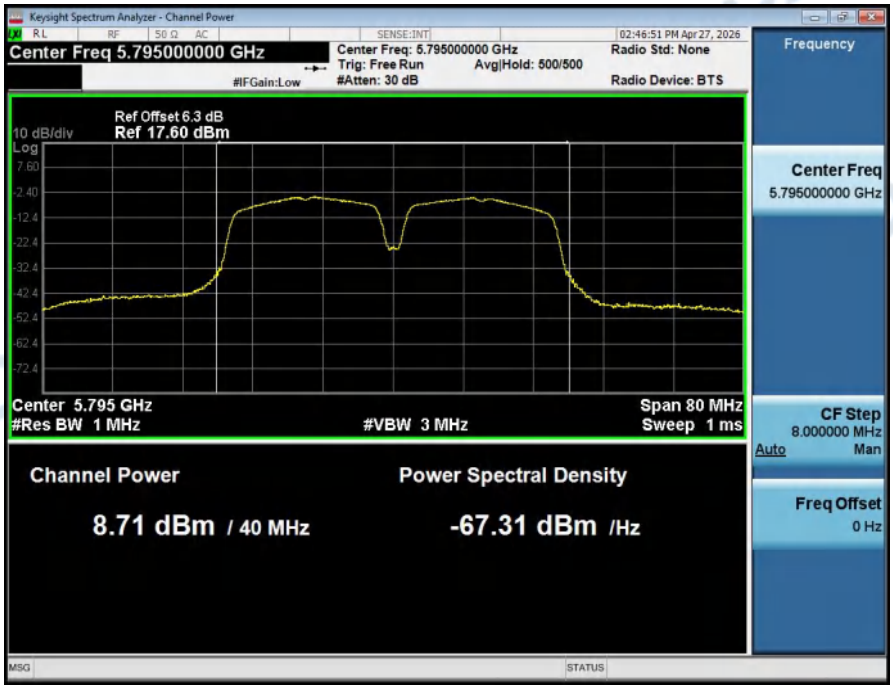


Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT40)_5795

Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5755



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5795



5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA (dBm/RBW)	Duty factor (dB)	RB factor (dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	-25.03	1.41	-0.09	-23.70	30	Pass
NVNT	ANT1	802.11a	5785.00	-27.95	1.65	-0.09	-26.39	30	Pass
NVNT	ANT1	802.11a	5825.00	-27.42	2.00	-0.09	-25.51	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-28.95	3.01	-0.09	-26.02	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-30.35	2.60	-0.09	-27.84	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-28.29	1.51	-0.09	-26.87	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-15.96	0.77	-0.09	-15.28	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-14.44	0.88	-0.09	-13.65	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-18.29	3.83	-0.09	-14.55	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-38.66	3.59	-0.09	-35.16	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-39.70	1.96	-0.09	-37.82	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	-17.40	0.73	-0.09	-16.76	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-19.14	0.83	-0.09	-18.40	30	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5745

Power_Spectral_Density_NVNT_ANT1_802_11a_5785

Power_Spectral_Density_NVNT_ANT1_802_11a_5825

Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5745

Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5785

Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5825


Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5745


Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5785

Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5825

Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5755

Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5795

Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5755

Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5795

6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5575.170	-47.69	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5656.260	-47.90	-25.96	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5701.560	-48.29	10.44	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5720.915	-47.33	17.69	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.845	-47.62	15.95	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5872.420	-47.70	10.72	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5916.310	-47.31	-23.97	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5931.900	-42.52	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5640.420	-48.29	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5659.995	-48.24	-22.89	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5705.400	-48.04	11.51	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5721.320	-46.36	18.61	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5854.225	-47.40	17.37	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5865.520	-47.63	12.65	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5917.480	-47.78	-24.93	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5934.195	-42.92	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5590.290	-47.68	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5660.850	-48.16	-22.19	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5704.860	-46.68	11.36	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5723.425	-46.36	23.41	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5854.015	-47.01	17.85	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5872.140	-47.48	10.80	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5907.715	-48.03	-16.90	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5946.605	-43.42	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5641.200	-47.47	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5663.730	-47.80	-19.82	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5718.660	-44.06	15.22	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5720.530	-44.24	16.81	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.740	-47.14	16.19	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5873.560	-47.78	10.40	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5911.450	-47.26	-19.97	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5940.720	-43.17	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5645.460	-48.00	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5661.570	-47.97	-21.60	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5718.780	-36.07	15.26	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5720.710	-32.24	17.22	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.785	-47.35	16.09	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5874.680	-47.10	10.09	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5914.015	-47.88	-22.08	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5922.065	-43.71	-27.00	Pass

Bandedge_NVNT_ANT1_802_11a_5745

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	5.5650 GHz	5.6550 GHz	1.000 MHz	5.575170000 GHz	-47.69 dBm	-20.69 dB
2	2	5.6550 GHz	5.7000 GHz	1.000 MHz	5.656260000 GHz	-47.90 dBm	-21.93 dB
3	3	5.7000 GHz	5.7200 GHz	1.000 MHz	5.701560000 GHz	-48.29 dBm	-58.73 dB
4	4	5.7200 GHz	5.7250 GHz	1.000 MHz	5.720915000 GHz	-47.33 dBm	-65.02 dB
5	5	5.7250 GHz	5.7650 GHz	1.000 MHz	5.750880000 GHz	4.822 dBm	-22.18 dB

Bandedge_NVNT_ANT1_802_11a_5825

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	5.8050 GHz	5.8500 GHz	1.000 MHz	5.830785000 GHz	-1.550 dBm	-28.55 dB
2	2	5.8500 GHz	5.8550 GHz	1.000 MHz	5.854845000 GHz	-47.62 dBm	-63.59 dB
3	3	5.8550 GHz	5.8750 GHz	1.000 MHz	5.872420000 GHz	-47.70 dBm	-58.43 dB
4	4	5.8750 GHz	5.9200 GHz	1.000 MHz	5.916310000 GHz	-47.31 dBm	-23.38 dB
5	5	5.9200 GHz	6.0050 GHz	1.000 MHz	5.931900000 GHz	-42.52 dBm	-15.52 dB

Bandedge_NVNT_ANT1_802_11n(HT20)_5745

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	5.5650 GHz	5.6550 GHz	1.000 MHz	5.640420000 GHz	-48.29 dBm	-21.29 dB
2	2	5.6550 GHz	5.7000 GHz	1.000 MHz	5.659995000 GHz	-48.24 dBm	-25.35 dB
3	3	5.7000 GHz	5.7200 GHz	1.000 MHz	5.705400000 GHz	-48.04 dBm	-59.55 dB
4	4	5.7200 GHz	5.7250 GHz	1.000 MHz	5.721320000 GHz	-46.36 dBm	-64.97 dB
5	5	5.7250 GHz	5.7650 GHz	1.000 MHz	5.751960000 GHz	3.724 dBm	-23.28 dB

Bandedge_NVNT_ANT1_802_11n(HT20)_5825

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	5.8050 GHz	5.8500 GHz	1.000 MHz	5.821515000 GHz	0.068 dBm	-26.93 dB
2	2	5.8500 GHz	5.8550 GHz	1.000 MHz	5.854225000 GHz	-47.40 dBm	-64.78 dB
3	3	5.8550 GHz	5.8750 GHz	1.000 MHz	5.865520000 GHz	-47.63 dBm	-60.29 dB
4	4	5.8750 GHz	5.9200 GHz	1.000 MHz	5.917480000 GHz	-47.78 dBm	-22.89 dB
5	5	5.9200 GHz	6.0050 GHz	1.000 MHz	5.934195000 GHz	-42.92 dBm	-15.92 dB

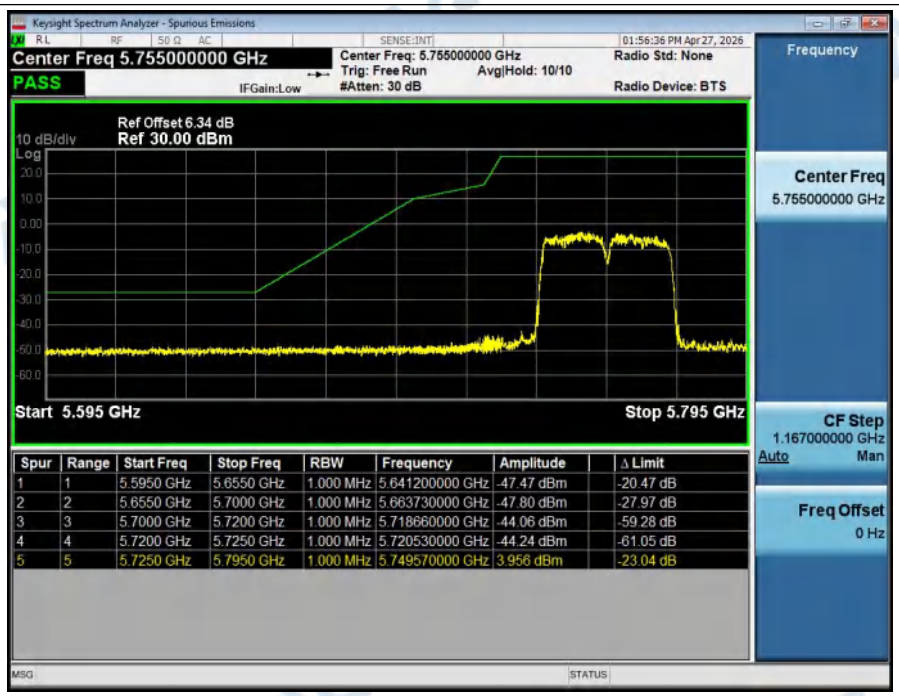
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5745

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	5.5650 GHz	5.6550 GHz	1.000 MHz	5.590290000 GHz	-47.68 dBm	-20.68 dB
2	2	5.6550 GHz	5.7000 GHz	1.000 MHz	5.660850000 GHz	-48.16 dBm	-25.97 dB
3	3	5.7000 GHz	5.7200 GHz	1.000 MHz	5.704860000 GHz	-46.68 dBm	-58.04 dB
4	4	5.7200 GHz	5.7250 GHz	1.000 MHz	5.723425000 GHz	-46.36 dBm	-69.76 dB
5	5	5.7250 GHz	5.7650 GHz	1.000 MHz	5.747480000 GHz	6.619 dBm	-20.38 dB

Bandedge_NVNT_ANT1_802_11ac(VHT20)_5825

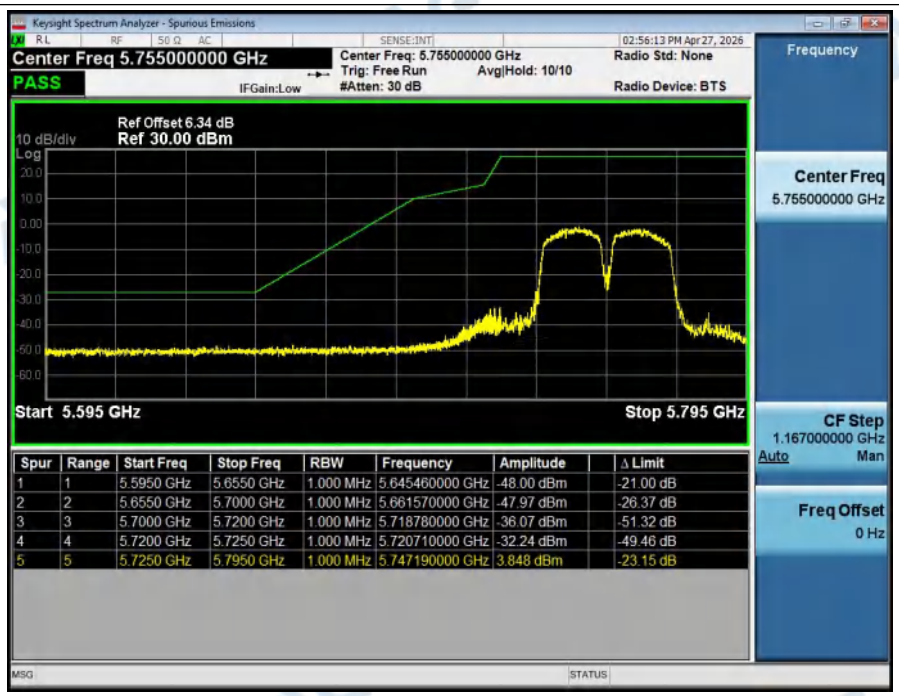
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	5.8050 GHz	5.8500 GHz	1.000 MHz	5.826240000 GHz	1.018 dBm	-25.98 dB
2	2	5.8500 GHz	5.8550 GHz	1.000 MHz	5.854015000 GHz	-47.01 dBm	-64.87 dB
3	3	5.8550 GHz	5.8750 GHz	1.000 MHz	5.872140000 GHz	-47.48 dBm	-58.29 dB
4	4	5.8750 GHz	5.9200 GHz	1.000 MHz	5.907715000 GHz	-48.03 dBm	-31.15 dB
5	5	5.9200 GHz	6.0050 GHz	1.000 MHz	5.946605000 GHz	-43.42 dBm	-16.42 dB

Bandedge_NVNT_ANT1_802_11n(HT40)_5755



Bandedge_NVNT_ANT1_802_11n(HT40)_5795

Bandedge_NVNT_ANT1_802_11ac(VHT40)_5755



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	5.5950 GHz	5.6550 GHz	1.000 MHz	5.645460000 GHz	-48.00 dBm	-21.00 dB
2	2	5.6550 GHz	5.7000 GHz	1.000 MHz	5.661570000 GHz	-47.97 dBm	-26.37 dB
3	3	5.7000 GHz	5.7200 GHz	1.000 MHz	5.718780000 GHz	-36.07 dBm	-51.32 dB
4	4	5.7200 GHz	5.7250 GHz	1.000 MHz	5.720710000 GHz	-32.24 dBm	-49.46 dB
5	5	5.7250 GHz	5.7950 GHz	1.000 MHz	5.747190000 GHz	3.848 dBm	-23.15 dB

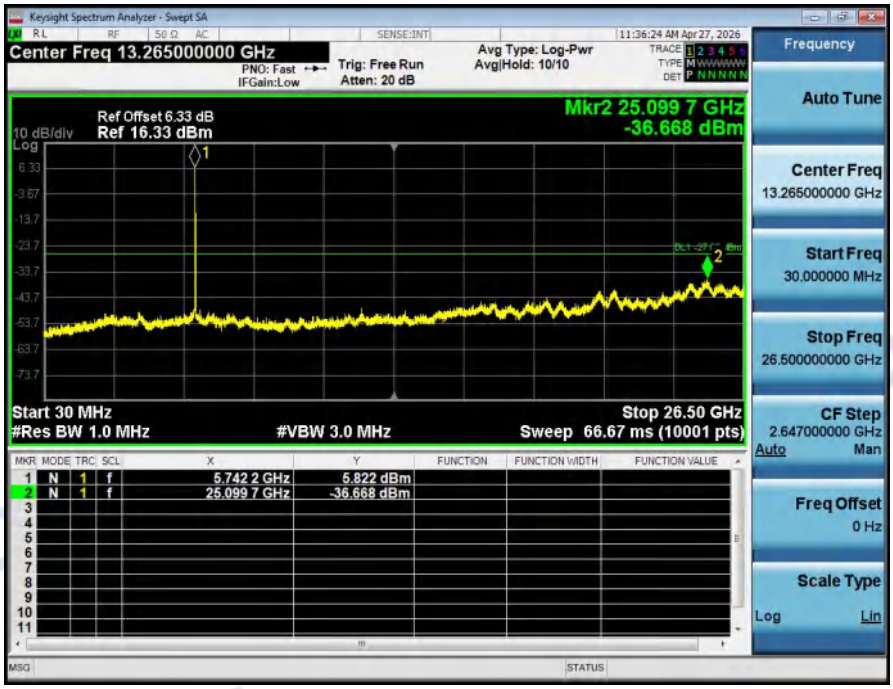
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5795

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	5.7550 GHz	5.8500 GHz	1.000 MHz	5.787110000 GHz	0.200 dBm	-26.80 dB
2	2	5.8500 GHz	5.8550 GHz	1.000 MHz	5.854785000 GHz	-47.35 dBm	-63.46 dB
3	3	5.8550 GHz	5.8750 GHz	1.000 MHz	5.874680000 GHz	-47.10 dBm	-57.20 dB
4	4	5.8750 GHz	5.9200 GHz	1.000 MHz	5.914015000 GHz	-47.88 dBm	-25.83 dB
5	5	5.9200 GHz	5.9550 GHz	1.000 MHz	5.922065000 GHz	-43.71 dBm	-16.71 dB

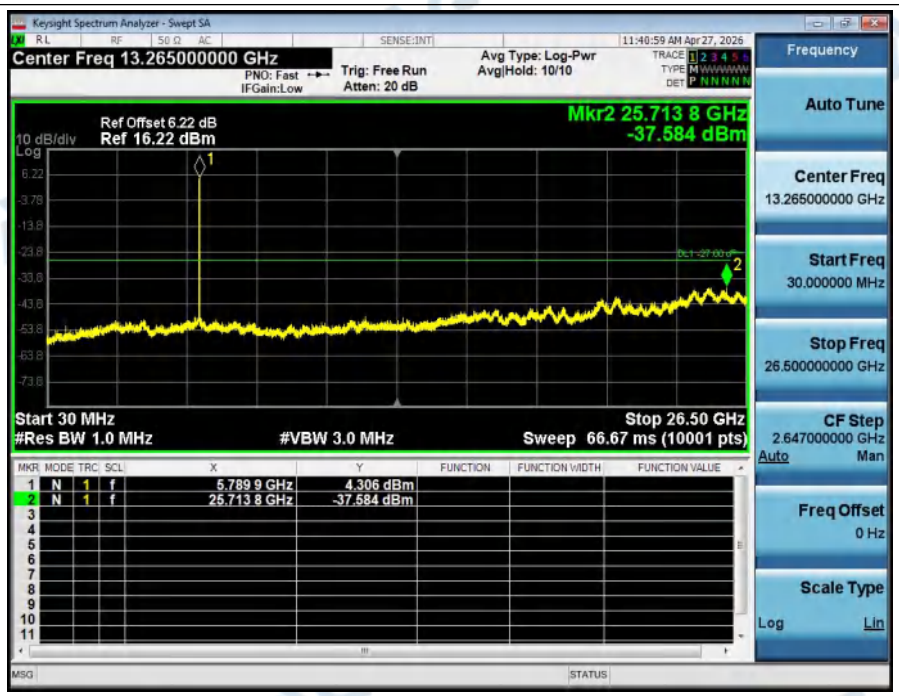
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	25099.74	-36.67	-27	Pass
NVNT	ANT1	802.11a	5785.00	25713.84	-37.58	-27	Pass
NVNT	ANT1	802.11a	5825.00	25062.68	-37.11	-27	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	25030.92	-36.42	-27	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	25030.92	-36.99	-27	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	25062.68	-36.93	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	25046.80	-37.14	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	25081.21	-36.98	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	25091.80	-37.49	-27	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	25028.27	-36.60	-27	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	24580.92	-36.98	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	25044.15	-36.31	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	25025.62	-35.90	-27	Pass

Spurious_Emission_NVNT_ANT1_802_11a_5745

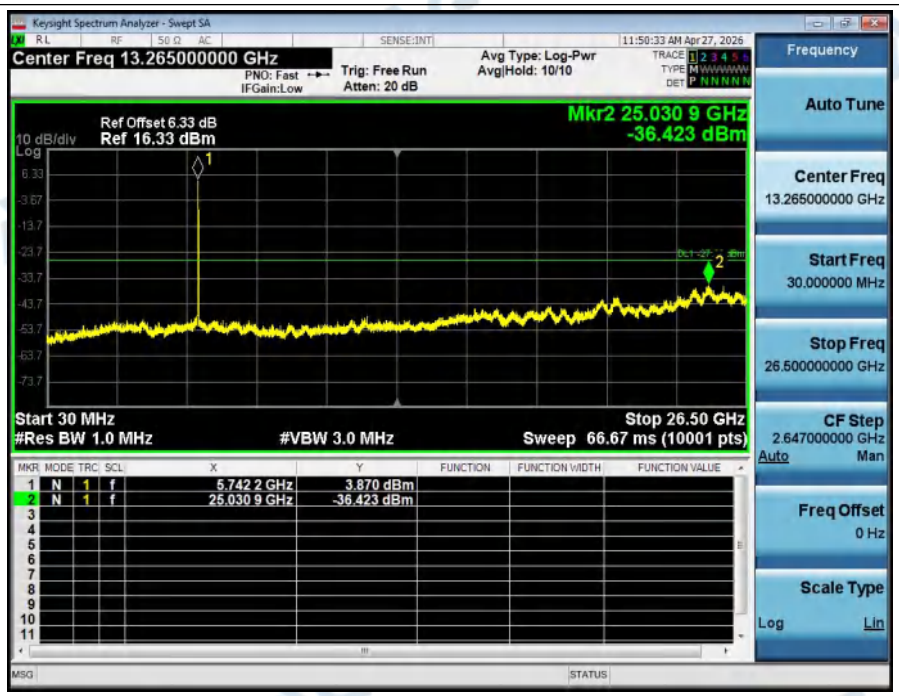


Spurious_Emission_NVNT_ANT1_802_11a_5785

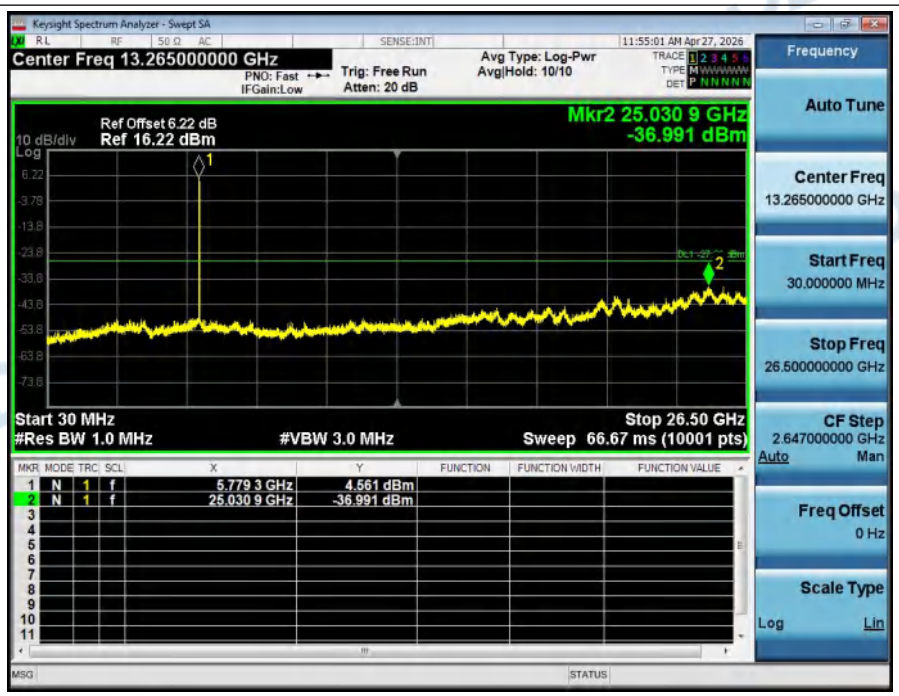


Spurious_Emission_NVNT_ANT1_802_11a_5825

Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5745



Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5785



Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5825

Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5745

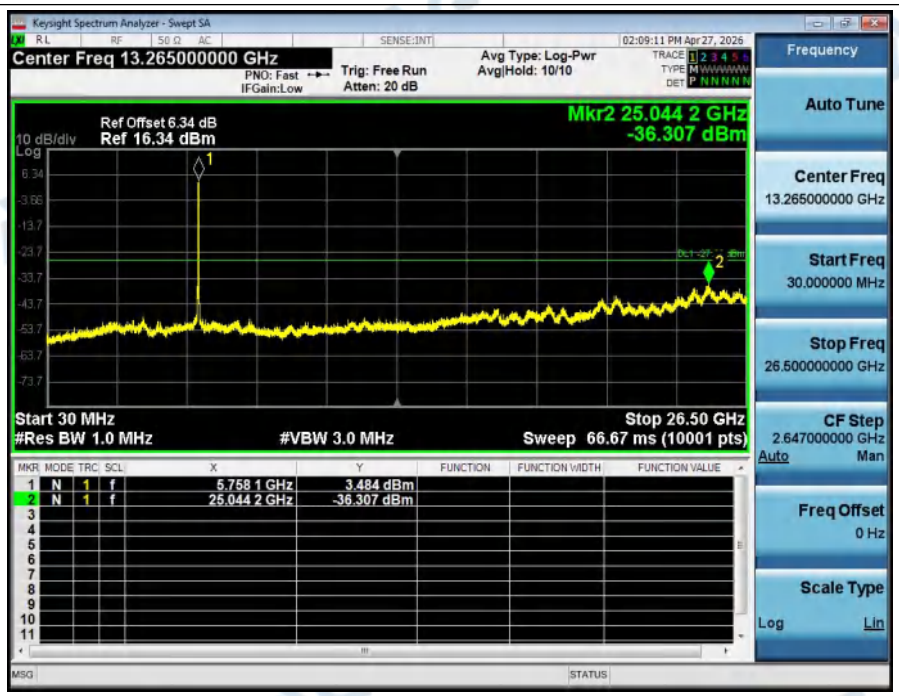
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5785

Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5825

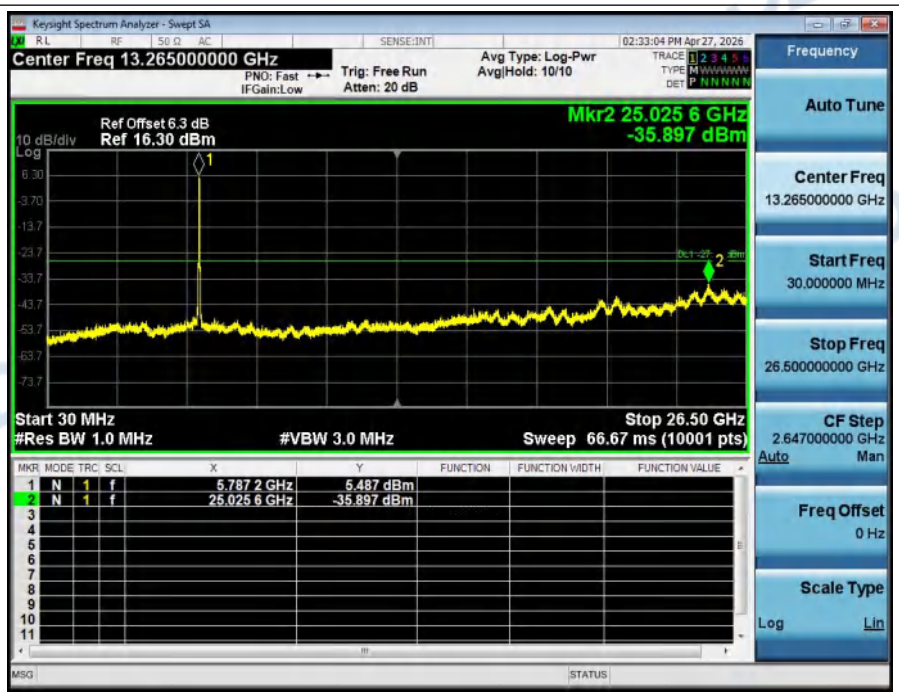
Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5755

Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5795

Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5755



Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5795



8. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
50degrees C&&3.80V	ANT1	802.11a	5745.00	5744.898	5736.480	5753.316	5725~5850	Pass
40degrees C&&3.80V	ANT1	802.11a	5745.00	5744.892	5736.636	5753.148	5725~5850	Pass
30degrees C&&3.80V	ANT1	802.11a	5745.00	5744.902	5736.732	5753.072	5725~5850	Pass
20degrees C&&3.80V	ANT1	802.11a	5745.00	5744.890	5736.792	5752.988	5725~5850	Pass
10degrees C&&3.80V	ANT1	802.11a	5745.00	5744.900	5736.852	5752.948	5725~5850	Pass
0degrees C&&3.80V	ANT1	802.11a	5745.00	5744.886	5736.908	5752.864	5725~5850	Pass
-10degrees C&&3.80V	ANT1	802.11a	5745.00	5744.900	5736.964	5752.836	5725~5850	Pass
-20degrees C&&3.80V	ANT1	802.11a	5745.00	5744.900	5737.028	5752.772	5725~5850	Pass
-30degrees C&&3.80V	ANT1	802.11a	5745.00	5744.894	5737.084	5752.704	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5745.00	5744.892	5737.136	5752.648	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5745.00	5744.906	5737.192	5752.620	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5745.00	5744.894	5737.228	5752.560	5725~5850	Pass
50degrees C&&3.80V	ANT1	802.11a	5785.00	5784.892	5776.368	5793.416	5725~5850	Pass
40degrees C&&3.80V	ANT1	802.11a	5785.00	5784.886	5776.584	5793.188	5725~5850	Pass
30degrees C&&3.80V	ANT1	802.11a	5785.00	5784.882	5776.692	5793.072	5725~5850	Pass
20degrees C&&3.80V	ANT1	802.11a	5785.00	5784.870	5776.764	5792.976	5725~5850	Pass
10degrees C&&3.80V	ANT1	802.11a	5785.00	5784.878	5776.840	5792.916	5725~5850	Pass
0degrees C&&3.80V	ANT1	802.11a	5785.00	5784.866	5776.896	5792.836	5725~5850	Pass
-10degrees C&&3.80V	ANT1	802.11a	5785.00	5784.864	5776.956	5792.772	5725~5850	Pass
-20degrees C&&3.80V	ANT1	802.11a	5785.00	5784.870	5777.004	5792.736	5725~5850	Pass
-30degrees C&&3.80V	ANT1	802.11a	5785.00	5784.874	5777.064	5792.684	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5785.00	5784.858	5777.104	5792.612	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5785.00	5784.838	5777.144	5792.532	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5785.00	5784.810	5777.176	5792.444	5725~5850	Pass
50degrees C&&3.80V	ANT1	802.11a	5825.00	5824.900	5816.416	5833.384	5725~5850	Pass
40degrees C&&3.80V	ANT1	802.11a	5825.00	5824.900	5816.604	5833.196	5725~5850	Pass
30degrees C&&3.80V	ANT1	802.11a	5825.00	5824.910	5816.708	5833.112	5725~5850	Pass
20degrees C&&3.80V	ANT1	802.11a	5825.00	5824.908	5816.780	5833.036	5725~5850	Pass
10degrees C&&3.80V	ANT1	802.11a	5825.00	5824.914	5816.848	5832.980	5725~5850	Pass
0degrees C&&3.80V	ANT1	802.11a	5825.00	5824.930	5816.916	5832.944	5725~5850	Pass
-10degrees C&&3.80V	ANT1	802.11a	5825.00	5824.926	5816.980	5832.872	5725~5850	Pass
-20degrees C&&3.80V	ANT1	802.11a	5825.00	5824.920	5817.028	5832.812	5725~5850	Pass
-30degrees C&&3.80V	ANT1	802.11a	5825.00	5824.918	5817.084	5832.752	5725~5850	Pass
25degrees C&&4.37V	ANT1	802.11a	5825.00	5824.908	5817.148	5832.668	5725~5850	Pass
25degrees C&&3.80V	ANT1	802.11a	5825.00	5824.906	5817.204	5832.608	5725~5850	Pass
25degrees C&&3.23V	ANT1	802.11a	5825.00	5824.892	5817.248	5832.536	5725~5850	Pass

********** End of Report **********