



TEST REPORT

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Manufacturer: Yancheng Lanjin Technology Co., Ltd.
Address of Manufacturer: No. 222 Guanggu Building, Guanhua Road North and Shanghai Road West, Jianhu County Development Zone, Yancheng
Product Name: Desktop PC
Model No.: VX,X1,VX40,VX42,VX44,VX46,VX48,VX50,VX52,VX54,VX56,VX58,VTI-400,VTI-409,VTI-430,VTI-439,VTI-490,VTI-499,VTA-400,VTA-409,VTA-430,VTA-439,VTA-490,VTA-499
Trade Mark: BOSGAME
FCC ID: 2BVAZ-VX
Applicable standards: FCC CFR Title 47 Part 15 Subpart E Section 15.407
Date of Test: Feb.04, 2026-Apr.10, 2026
Date of report issued: Apr.11, 2026

Remark:

The results shown in this test report refer only to the sample(s) tested , this test report cannot be reproduced, except in full without prior written permission of the company.

The report would be invalid without specific stamp of test institute and the signatures of compiler and approver

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Report Revision History		
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1 Test Summary

Test Item	Section in CFR 47	Result	Test by
Antenna requirement	47CFR part 15.203	Pass	/
AC Power Line Conducted Emission	47CFR part 15.207	Pass	Jason Huang
Conducted Output Power	47CFR part 15.407 (a)(1)/(a)(3)	Pass	Kara Wu
26dB Bandwidth and 99% Occupied Bandwidth	47CFR part 15.407 (a)(12)	Pass	Kara Wu
6dB Bandwidth	47CFR part 15.407 (e)	Pass	Kara Wu
Power Spectral Density	47CFR part 15.407(a)(1)/(a)(3)	Pass	Kara Wu
Band Edge	47CFR part 15.407(b)(1)/(b)(4)	Pass	Kara Wu
Spurious Emission	47CFR part 15.205/15.209 47CFR part 15.407(b)(1)/(b)(4)/(b)(8)	Pass	Jason Huang

Remarks:

1. Pass: The EUT complies with the essential requirements in the standard.
2. Test according to ANSI C63.10-2020 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
3. Note: Compliance determination rules
 - 1).The Compliance determination of test results does not take into account measurement uncertainty. Measurement results are determined based on regulatory limitations or requirements specified by the applicant/manufacture. If measurement uncertainty is taken into account, the applicant/manufacture will bear all possible risks of non-compliance.
 - 2).The measurement uncertainty please refer to each test result in the "Measurement Uncertainty"

1.1 Measurement Uncertainty

Test Item	Measurement Uncertainty	Notes
Occupied Channel Bandwidth	0.72%	(1)
RF output power, conducted	±0.67 dB	(1)
Power Spectral Density, conducted	±0.51 dB	(1)
Unwanted Emissions, conducted	±0.64 dB	(1)
AC Power Line Conducted Emission	± 3.38 dB	(1)
Radiated emissions 9K-30MHz	±4.26 dB	(1)
Radiated emissions 30M- 1GHz	±4.88 dB	(1)
Radiated emissions 1GHz-18GHz	± 4.16 dB	(1)
Radiated emissions 18GHz-40GHz	±4.14 dB	(1)
Frequency error	Uc=6X10 ⁻⁷	(1)
Duty Cycle	0.03	(1)

Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

2 General Information

2.1 General Description of EUT

Product Name:	Desktop PC
Model No.:	VX,X1,VX40,VX42,VX44,VX46,VX48,VX50,VX52,VX54,VX56,VX58,VTI-400,VTI-409,VTI-430,VTI-439,VTI-490,VTI-499,VTA-400,VTA-409,VTA-430,VTA-439,VTA-490,VTA-499
Difference of model(s)	All models have the same circuit and RF module, except for the model name and color
Test Model:	VX
Hardware Version:	N/A
Software Version:	N/A
Sample(s) Status:	Engineer sample
Operation Frequency:	☒ 5180-5240MHz for 802.11a/n(HT20)/ac20(VHT20); 5190-5230MHz for 802.11n(HT40)/ac40(VHT40); 5210MHz for 802.11 ac80(VHT80); ☒ 5745-5825 MHz for 802.11a/n(HT20)/ac20(VHT20); 5755-5795 MHz for 802.11n(HT40)/ac40(VHT40); 5775MHz for 802.11 ac80(VHT80);
Channel numbers:	☒ 4 channels for 802.11a/n20(HT20)/ac20(VHT20) in the 5180-5240MHz band; 2 channels for 802.11 n40(HT40)/ac40(VHT40) in the 5190-5230MHz band ; 1 channels for 802.11 ac80(VHT80) in the 5210MHz band ; ☒ 5 channels for 802.11802.11a/n20(HT20)/ac20(VHT20) in the 5745-5825MHz band ; 2 channels for 802.11 n40(HT40)/ac40(VHT40) in the 5755-5795MHz band ; 1 channels for 802.11 ac80(VHT80) in the 5775MHz band
Channel bandwidth:	802.11a/802.11n(HT20)/ 802.11ac(VHT20): 20MHz 802.11n(HT40)/ 802.11ac(VHT40) : 40MHz 802.11ac(VHT80) : 80MHz
Data Rate	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15; 802.11ac(VHT/20/40/80):NSS1, MCS0-MCS9
Modulation technology:	Orthogonal Frequency Division Multiplexing (OFDM) with BPSK/QPSK/16QAM/64QAM/256QAM
Antenna Type:	FPC Antenna
Antenna gain:	2.89dBi(Declare by applicant) Note: Antenna information is provided by applicant, Testing lab is not responsible for the accuracy of the information.
Battery	AC 120V 60Hz
Power supply:	N/A
Adapter Model:	N/A

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	38	5190MHz	40	5200MHz	42	5210MHz
44	5220MHz	46	5230MHz	48	5240MHz	/	/
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745MHz	151	5755MHz	153	5765MHz	155	5775MHz
157	5785MHz	159	5795MHz	161	5805MHz	/	/
165	5825MHz	/					

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:

Test channel	Frequency (MHz)		
	802.11 a /n(HT20)/ac(VHT20)	802.11 n(HT40)/ac(VHT40)	802.11ac(VHT80)
Lowest channel	5180	5190	5210
Middle channel	5200	X	
Highest channel	5240		

Test channel	Frequency (MHz)		
	802.11 a /n(HT20)/ac(VHT20)	802.11 n(HT40)/ac(VHT40)	802.11ac(VHT80)
Lowest channel	5745	5755	5775
Middle channel	5785	X	
Highest channel	5825		

2.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode.
<i>Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.</i>	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pretest Mode	Description
Mode 1	802.11a / n 20/ ac 20 CH36/ CH40/ CH 48 802.11a /n 20/ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n 40/ac 40 CH38/ CH 46 802.11n 40/ac 40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/CH 155
Mode 4	/
Mode 5	Link Mode

Conducted Emission	
Final Test Mode	Description
Mode 5	Link Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11a / n 20/ ac 20 CH36/ CH40/ CH 48 802.11a /n 20/ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n 40/ac 40 CH38/ CH 46 802.11n 40/ac 40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/CH 155
Mode 4	/

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

2.3 Description of Support Units

No.	Description	Manufacturer	Model	Serial Number
1	Monitor	SKYWORTH	2BU1	/

2.4 Test Facility

Test laboratory:	Shenzhen ETR Standard Technology Co., Ltd.
CNAS Registration Number:	L11864
A2LA Certificate Number:	6640.01
FCC Designation Number:	CN1326
FCC Test Firm Registration:	183064
IC Company Number:	28440
IC CAB identifier:	CN0132
Laboratory location:	No.103, No.10, Phase I, Zone 3, Xinxing Industrial Park, Xinhe, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

2.5 Additional Instructions

Test Software	DRTU.EXE
Power level setup	Default

3 Test Instruments list

Conducted Emission

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI3	102696	2026.3.05	2027.3.04
2	Artificial power network	schwarabeck	NSLK8127	8127483	2026.3.05	2027.3.04
3	Artificial power network	ETS	3186/2NM	1132	2026.3.05	2027.3.04
4	10dB attenuator	HUBER+SUHNER	10dB	/	2026.3.05	2027.3.04
5	Cable 4	HUBER SUNNER	3M	/	2026.3.05	2027.3.04
6	Absorbing Clamp	schwarabeck	MDS21	D69250	2025.3.06	2026.3.05

Radiated Emission & RF Conducted test:

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101032	2026.3.05	2027.3.04
2	Broadband antenna	schwarabeck	VULB9168	1064	2026.3.11	2028.3.10
3	Horn antenna	schwarabeck	BBHA9120D	9120D-1145	2026.3.08	2028.3.07
4	Amplifier	EMtrace	RP01A	50117	2026.3.05	2027.3.04
5	Amplifier	Space-Dtronics	EWLAN0118G-P40	19113001	2026.3.05	2027.3.04
6	Spectrum analyzer	KEYSIGHT	N9020A	MY55370280	2026.3.05	2027.3.04
7	Power detector meter	MWRFtest	MW100-PSB	MW201020JYT	2026.3.05	2027.3.04
8	Signal generator	Agilent	N5182A	MY49060455	2026.3.05	2027.3.04
9	Spectrum analyzer	Rohde&schwarz	FSV-40N	101321	2026.3.05	2027.3.04
10	Amplifier	SKET	LNPA_1840-50	SK2019040302	2026.3.05	2027.3.04
11	Horn antenna	schwarabeck	BBHA 9170	946	2026.3.08	2028.3.07
12	Loop antenna	schwarabeck	FMZB 1519 B	1519	2026.3.08	2028.3.07
13	Cable 6	HUBER SUNNER	0.5M	/	2026.3.05	2027.3.04
14	Cable7	HUBER SUNNER	2.0M	/	2026.3.05	2027.3.04
15	Cable8	HUBER SUNNER	6.0M	/	2026.3.05	2027.3.04
16	Filter	Xin bo	XBLBQ-GTA29	210410-3-2	2026.3.05	2027.3.04
17	Power Sensor	Keysight	U2021XA	MY54111006	2026.3.05	2027.3.04
18	Temp. & Humidity Chamber	Jiecheng Instrument	QA-LP-80	20160705001	2026/3/06	2027/3/05

Note: the calibration interval of the above test instruments is 12 or 24 months and the calibrations are traceable to international system unit (SI).

Software Name	Manufacturer	Model	Version
RF test software	MWRFtest	MTS 8310	V2.0.0.0
Conducted test software	EZ-EMC	Farad	Ver.EMC-CON 3A1.1
Radiated test software	EZ-EMC	Farad	Ver.FA-03A2 RE

4 Test results and Measurement Data

4.1 Antenna requirement

Standard requirement:	47CFR Part 15.203
<i>15.203 requirement:</i> <i>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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</i>	
E.U.T Antenna:	
The antenna is FPC Antenna, the best case gain of the antenna is 2.89 dBi, reference to the IP for details..	

4.2 Conducted Emissions

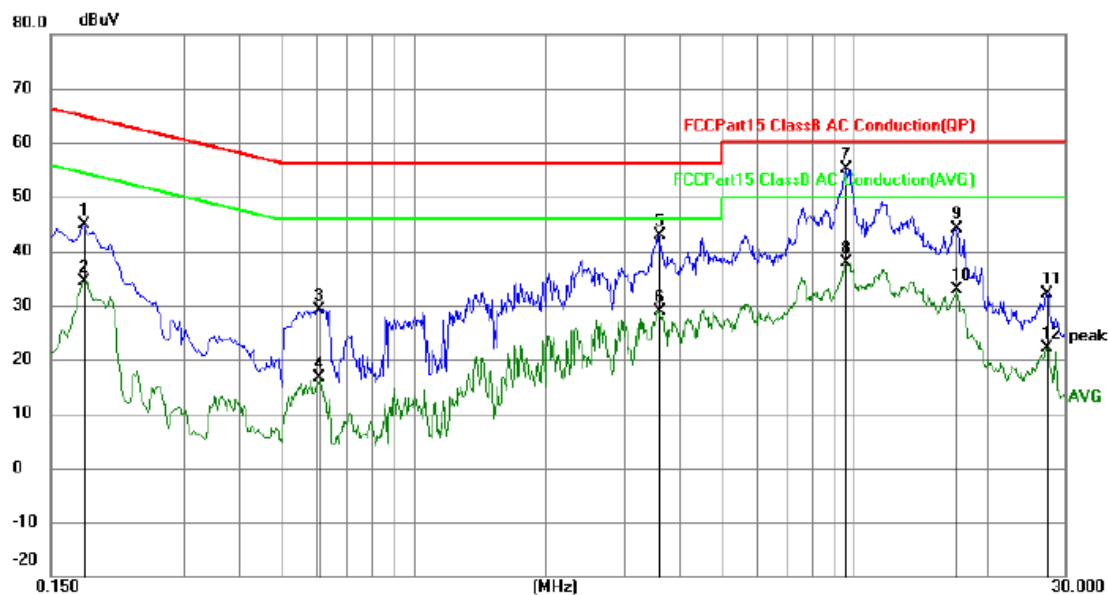
Test Requirement:	47CFR Part 15.207					
Test Method:	ANSI C63.10-2020 §6.2					
Test Frequency Range:	150KHz to 30MHz					
Class / Severity:	Class B					
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto					
Limit:	Frequency range (MHz)		Limit (dBuV)			
			Quasi-peak		Average	
	0.15-0.5		66 to 56*		56 to 46*	
	0.5-5		56		46	
	5-30		60		50	
* Decreases with the logarithm of the frequency.						
Test setup:	Reference Plane Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network					
Test procedure:	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10-2020 on conducted measurement.					
Test Instruments:	Refer to section 3.0 for details					
Test mode:	Refer to section 2.2 for details					
Test environment:	Temp.:	22.5°C	Humid.:	54%	Press.:	1012mbar
Test voltage:	AC 120V 60Hz					
Test results:	Pass					

Remark:

1. Both high voltage and low voltage have been tested, and the report only shows the worst case data with AC 120V/60Hz.
2. All mode have been tested, the report only shows the worst mode (802.11ac20 5825MHz)

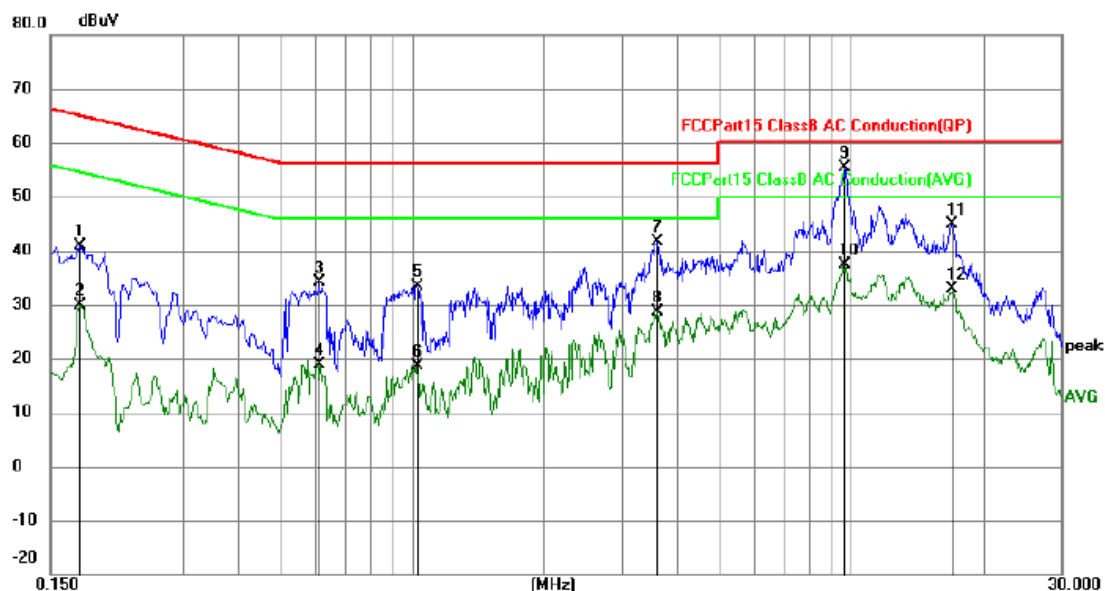
Measurement Result

Line:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1768	35.19	9.71	44.90	64.63	-19.73	QP
2	0.1768	24.75	9.71	34.46	54.63	-20.17	AVG
3	0.6044	19.43	9.74	29.17	56.00	-26.83	QP
4	0.6044	6.83	9.74	16.57	46.00	-29.43	AVG
5	3.5924	33.07	9.74	42.81	56.00	-13.19	QP
6	3.5924	19.09	9.74	28.83	46.00	-17.17	AVG
7	9.5907	45.53	9.55	55.08	60.00	-4.92	QP
8	9.5907	28.32	9.55	37.87	50.00	-12.13	AVG
9	17.0247	34.84	9.36	44.20	60.00	-15.80	QP
10	17.0247	23.40	9.36	32.76	50.00	-17.24	AVG
11	27.3975	22.72	9.31	32.03	60.00	-27.97	QP
12	27.3975	12.93	9.31	22.24	50.00	-27.76	AVG

Neutral:

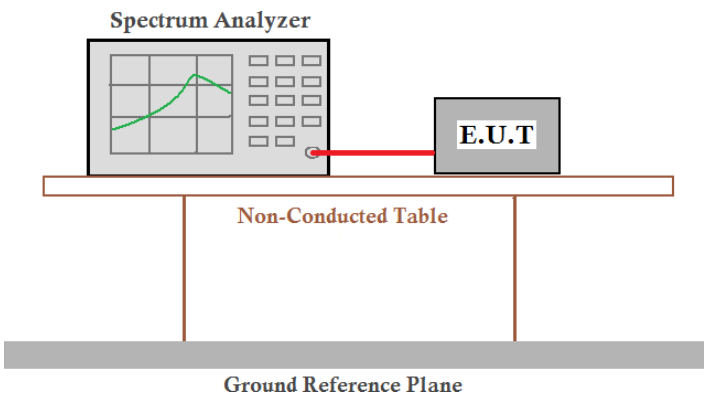


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1737	31.28	9.71	40.99	64.78	-23.79	QP
2	0.1737	20.12	9.71	29.83	54.78	-24.95	AVG
3	0.6131	24.42	9.74	34.16	56.00	-21.84	QP
4	0.6131	9.14	9.74	18.88	46.00	-27.12	AVG
5	1.0226	23.52	9.76	33.28	56.00	-22.72	QP
6	1.0226	8.88	9.76	18.64	46.00	-27.36	AVG
7	3.6150	31.89	9.74	41.63	56.00	-14.37	QP
8	3.6150	18.80	9.74	28.54	46.00	-17.46	AVG
9	9.6402	45.90	9.44	55.34	60.00	-4.66	QP
10	9.6402	27.85	9.44	37.29	50.00	-12.71	AVG
11	17.0025	35.70	9.28	44.98	60.00	-15.02	QP
12	17.0025	23.56	9.28	32.84	50.00	-17.16	AVG

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss
4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

4.3 Duty cycle

Test Method :	ANSI C63.10-2020§11.6	
Limit:	/	
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.	
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 23.9°C	Humid.: 55%RH
Test voltage:	AC 120V 60Hz	
Test results:	Pass	

Measurement Result

5180-5240MHz

Mode	Duty cycle (%)	Correction Factor (dB)
TX 802.11a Mode	100	0
TX 802.11n20 Mode	100	0
TX 802.11ac20 Mode	100	0
TX 802.11n40 Mode	100	0
TX 802.11a40 Mode	100	0
TX 802.11ac80 Mode	100	0

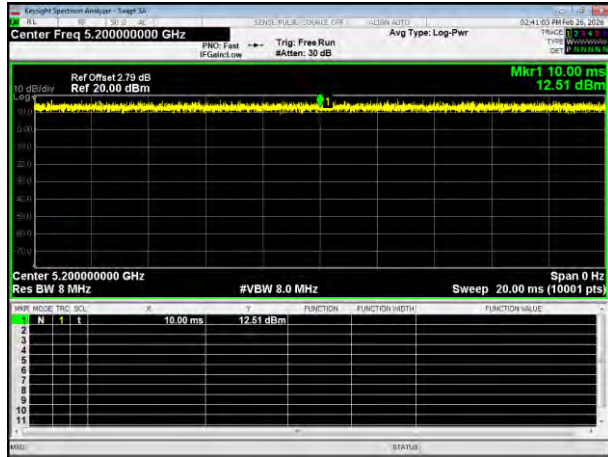
5745-5825 MHz

Mode	Duty cycle (%)	Correction Factor (dB)
TX 802.11a Mode	100	0
TX 802.11n20 Mode	100	0
TX 802.11ac20 Mode	100	0
TX 802.11n40 Mode	100	0
TX 802.11a40 Mode	100	0
TX 802.11ac80 Mode	100	0

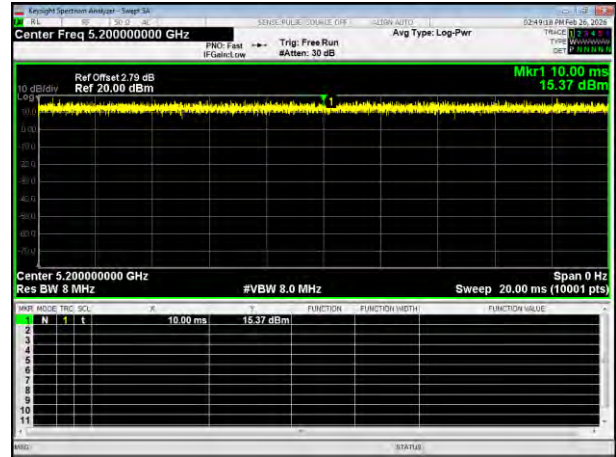
Test plot

5180-5240MHz

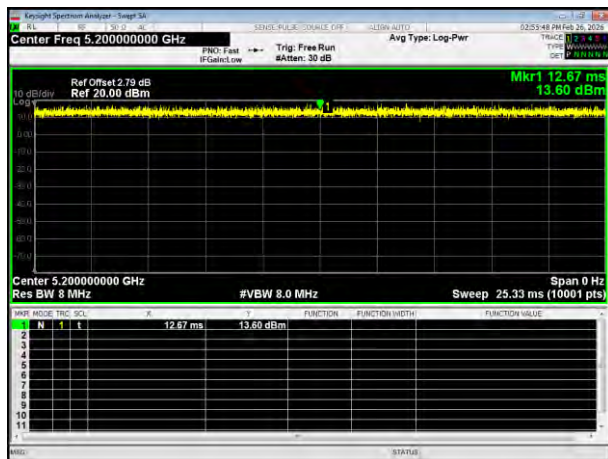
(802.11a) plot



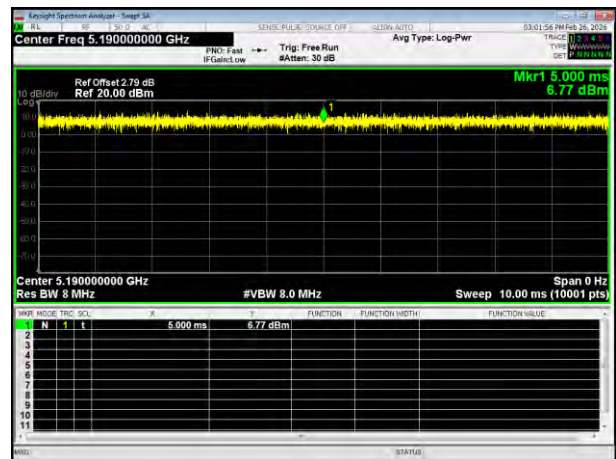
(802.11 n20) plot



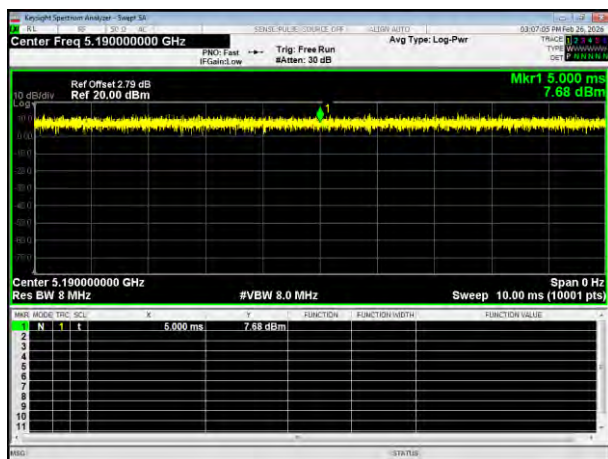
(802.11ac20) plot



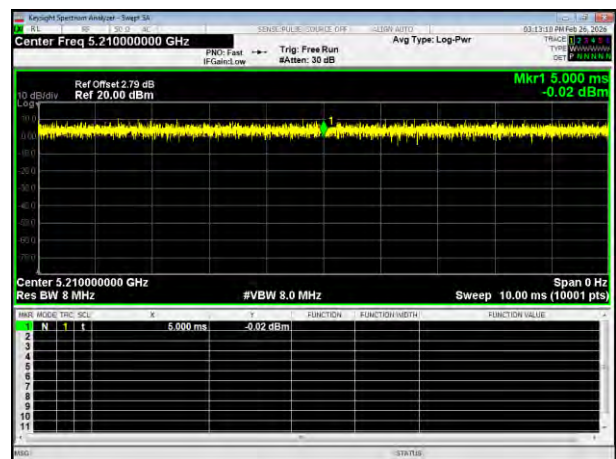
(802.11 n40) plot



(802.11ac40) plot



(802.11ac80) plot



5745-5825 MHz

(802.11a) plot



(802.11 n20) plot



(802.11ac20) plot



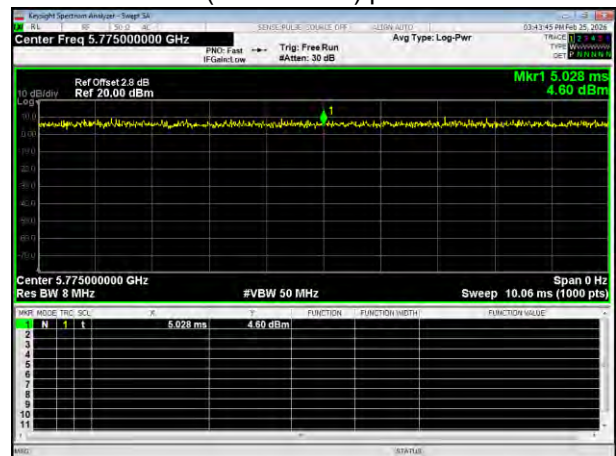
(802.11 n40) plot



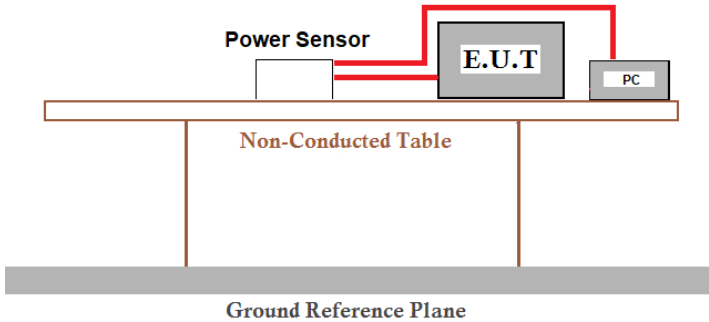
(802.11ac40) plot



(802.11ac80) plot



4.4 Conducted Output Power

Test Requirement:	47CFR Part 15.407 (a)(1)/(a)(3)	
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 ANSI C63.10-2020 § 12.4	
Limit:	5150-5250MHz : 250mW 5725~5850MHz : 1W	
Test setup:		
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 23.9°C	Humid.: 55%RH
Test voltage:	AC 120V 60Hz	
Test results:	Pass	

Measurement Result

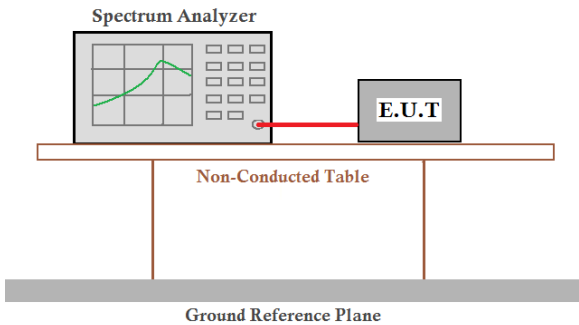
5180-5240MHz

Test Channel	Frequency	Correction Factor	Maximum output power	Total Power	LIMIT	Result
	(MHz)	(dB)	(dBm)	(dBm)	dBm	
TX 802.11a Mode						
CH36	5180	0	14.41	14.41	24	Pass
CH40	5200	0	14.17	14.17	24	Pass
CH48	5240	0	14.57	14.57	24	Pass
TX 802.11 n20 Mode						
CH36	5180	0	14.20	14.20	24	Pass
CH40	5200	0	14.07	14.07	24	Pass
CH48	5240	0	13.90	13.90	24	Pass
TX 802.11 ac20 Mode						
CH36	5180	0	14.05	14.05	24	Pass
CH40	5200	0	14.10	14.10	24	Pass
CH48	5240	0	14.34	14.34	24	Pass
TX 802.11 n40 Mode						
CH38	5190	0	13.13	13.13	24	Pass
CH46	5230	0	13.05	13.05	24	Pass
TX 802.11 ac40 Mode						
CH38	5190	0	13.17	13.17	24	Pass
CH46	5230	0	13.08	13.08	24	Pass
TX 802.11 ac80 Mode						
CH42	5210	0	12.29	12.29	24	Pass

5745-5825 MHz

Test Channel	Frequency	Correction Factor	Maximum output power	Total Power	LIMIT	Result
	(MHz)	(dB)	(dBm)	(dBm)	dBm	
TX 802.11a Mode						
CH149	5745	0	14.53	14.53	30	Pass
CH157	5785	0	14.30	14.30	30	Pass
CH165	5825	0	14.18	14.18	30	Pass
TX 802.11 n20 Mode						
CH149	5745	0	14.02	14.02	30	Pass
CH157	5785	0	14.29	14.29	30	Pass
CH165	5825	0	14.57	14.57	30	Pass
TX 802.11 ac20 Mode						
CH149	5745	0	13.99	13.99	30	Pass
CH157	5785	0	14.29	14.29	30	Pass
CH165	5825	0	14.63	14.63	30	Pass
TX 802.11 n40 Mode						
CH151	5755	0	13.11	13.11	30	Pass
CH159	5795	0	13.26	13.26	30	Pass
TX 802.11 ac40 Mode						
CH151	5755	0	13.10	13.10	30	Pass
CH159	5795	0	13.16	13.16	30	Pass
TX 802.11 ac80 Mode						
CH155	5775	0	12.08	12.08	30	Pass

4.5 Bandwidth & 99% Occupancy Bandwidth

Test Requirement:	47CFR Part 15.407(a)(12)&15.407(e),	
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01, ANSI C63.10-2020§12.5	
Limit:	Measurements in the 5.725-5.85 GHz band, the minimum bandwidth 6 dB bandwidth of U-NII devices shall be at least 500KHz. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.	
Test setup:		
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 23.9°C	Humid.: 55%RH
Test voltage:	AC 120V 60Hz	
Test results:	Pass	

Measurement Result

5180-5240MHz

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.05	Pass
NVNT	a	5200	Ant1	20.08	Pass
NVNT	a	5240	Ant1	23.99	Pass
NVNT	n20	5180	Ant1	20.38	Pass
NVNT	n20	5200	Ant1	21.74	Pass
NVNT	n20	5240	Ant1	22.66	Pass
NVNT	n40	5190	Ant1	40.45	Pass
NVNT	n40	5230	Ant1	40.52	Pass
NVNT	ac20	5180	Ant1	20.38	Pass
NVNT	ac20	5200	Ant1	20.20	Pass
NVNT	ac20	5240	Ant1	23.64	Pass
NVNT	ac40	5190	Ant1	40.40	Pass
NVNT	ac40	5230	Ant1	40.95	Pass
NVNT	ac80	5210	Ant1	80.92	Pass

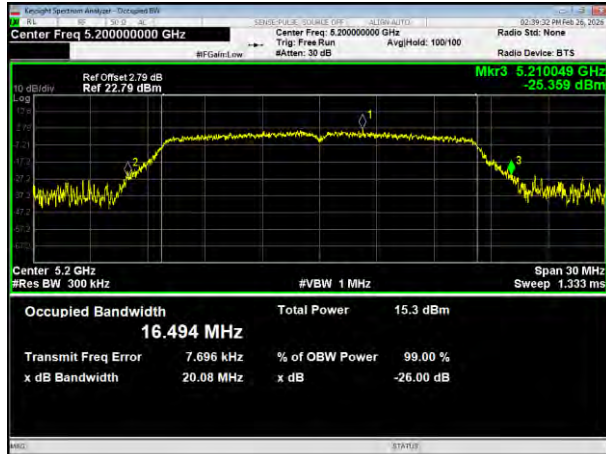
(802.11a) plot on channel 36



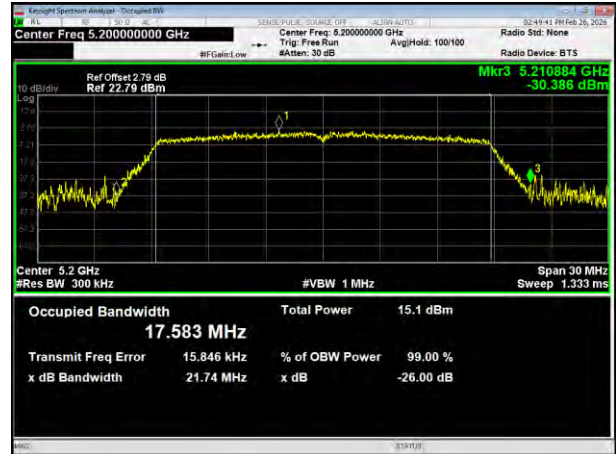
(802.11 n20) plot on channel 36



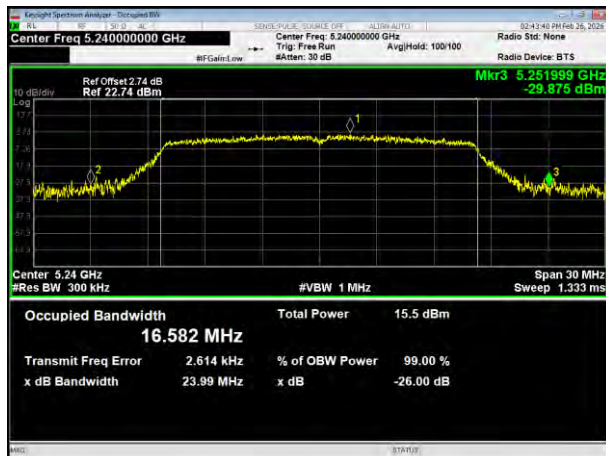
(802.11a) plot on channel 40



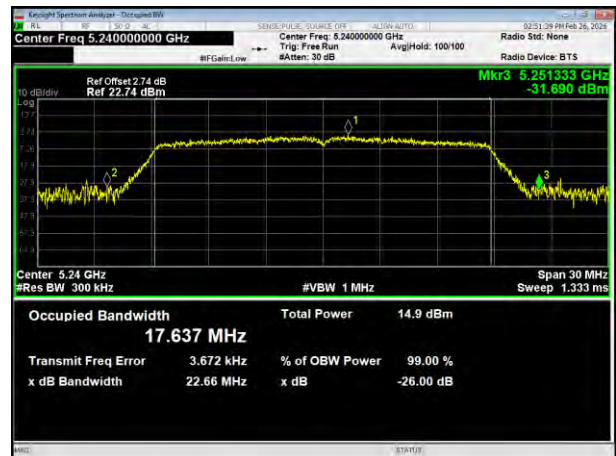
(802.11 n20) plot on channel 40



(802.11a) plot on channel 48



(802.11 n20) plot on channel 48



Test plot

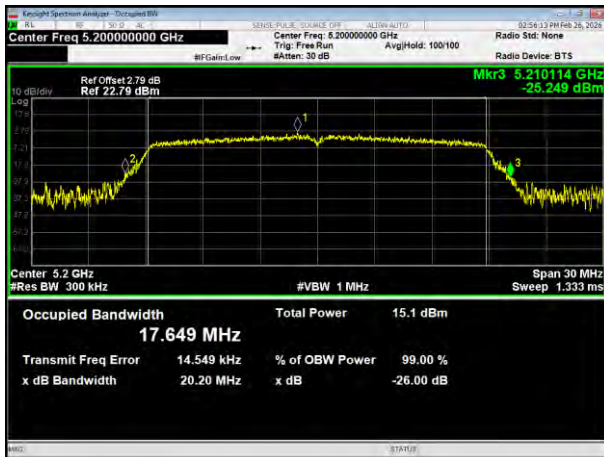
(802.11ac20) plot on channel 36



(802.11 n40) plot on channel 38



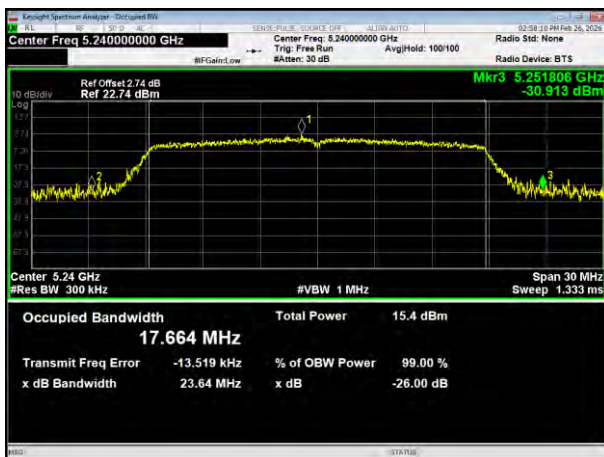
(802.11ac20) plot on channel 40



(802.11 n40) plot on channel 46



(802.11ac20) plot on channel 48

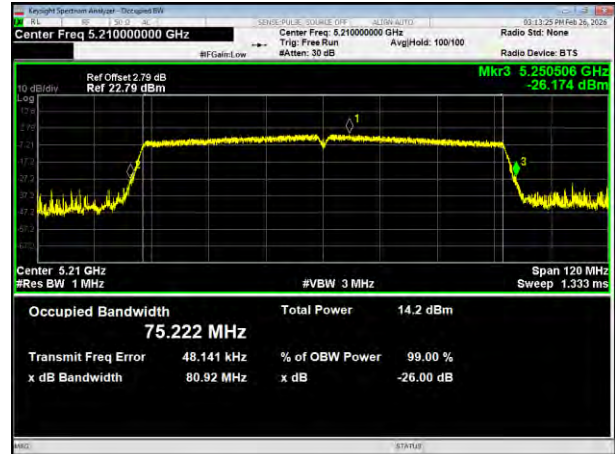


Test plot

(802.11ac40) plot on channel 38



(802.11ac80) plot on channel 42



(802.11ac40) plot on channel 46



5745-5825MHz

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.32	0.5	Pass
NVNT	a	5785	Ant1	16.33	0.5	Pass
NVNT	a	5825	Ant1	16.34	0.5	Pass
NVNT	n20	5745	Ant1	17.56	0.5	Pass
NVNT	n20	5785	Ant1	17.59	0.5	Pass
NVNT	n20	5825	Ant1	17.58	0.5	Pass
NVNT	n40	5755	Ant1	35.75	0.5	Pass
NVNT	n40	5795	Ant1	36.27	0.5	Pass
NVNT	ac20	5745	Ant1	17.53	0.5	Pass
NVNT	ac20	5785	Ant1	17.57	0.5	Pass
NVNT	ac20	5825	Ant1	17.58	0.5	Pass
NVNT	ac40	5755	Ant1	36.14	0.5	Pass
NVNT	ac40	5795	Ant1	36.06	0.5	Pass
NVNT	ac80	5775	Ant1	76.01	0.5	Pass

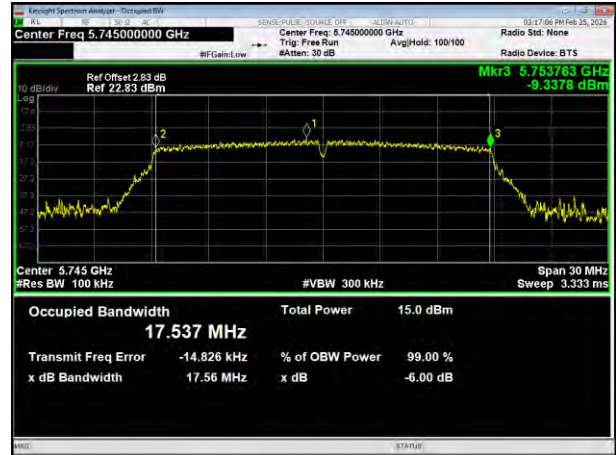
Remark: “---”is not applicable

Test plot

(802.11a) plot on channel 149



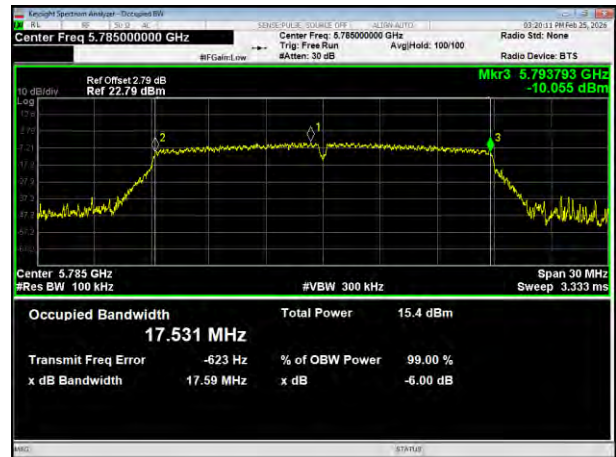
(802.11 n20) plot on channel 149



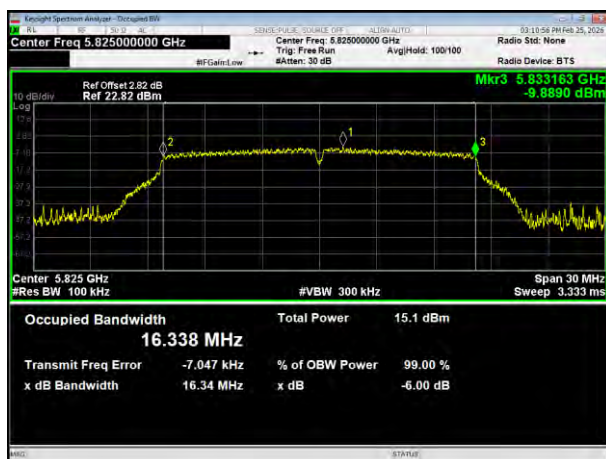
(802.11a) plot on channel 157



(802.11 n20) plot on channel 157



(802.11a) plot on channel 165

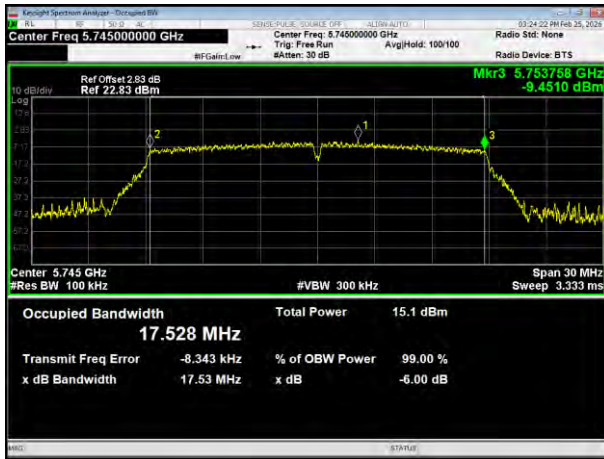


(802.11 n20) plot on channel 165

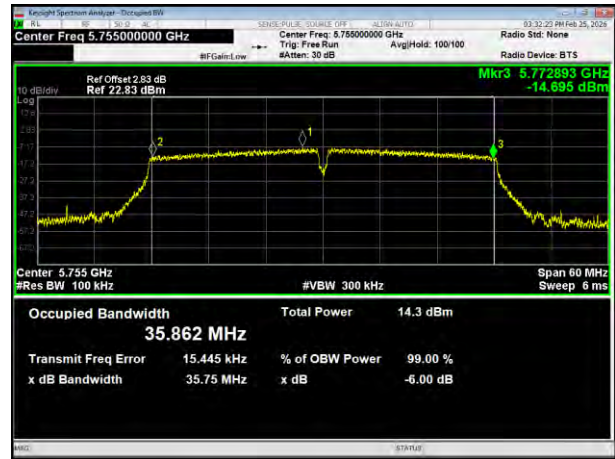


Test plot

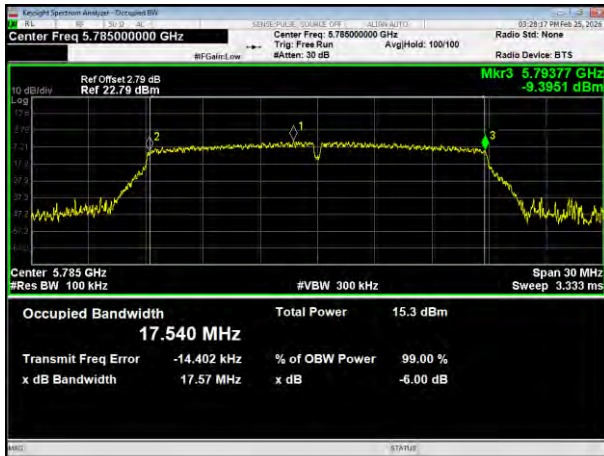
(802.11ac20) plot on channel 149



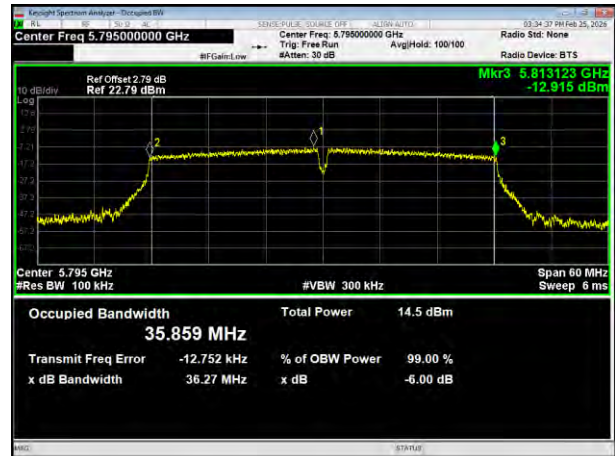
(802.11 n40) plot on channel 151



(802.11ac20) plot on channel 157



(802.11 n40) plot on channel 159

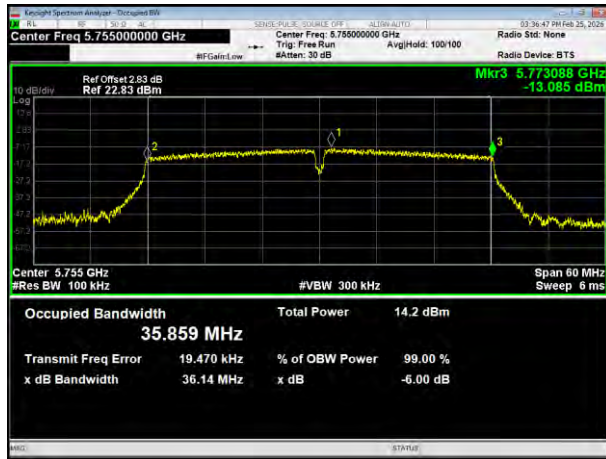


(802.11ac20) plot on channel 165



Test plot

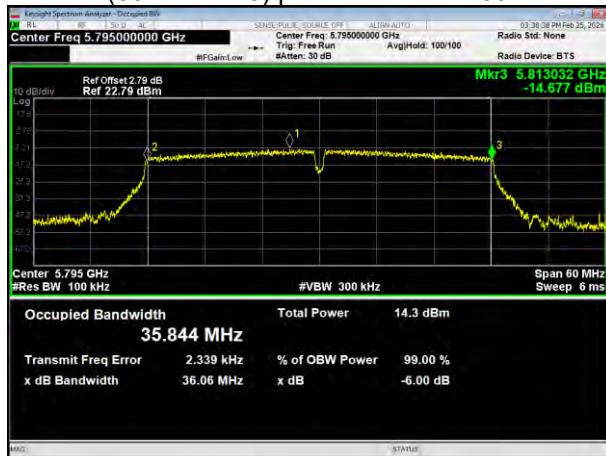
(802.11 ac40) plot on channel 151



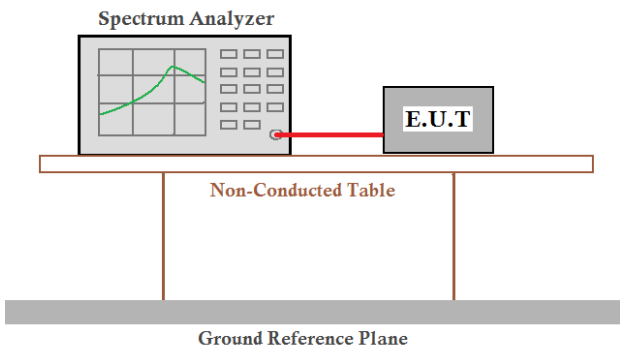
(802.11 ac80) plot on channel 155



(802.11 ac40) plot on channel 159



4.6 Power Spectral Density

Test Requirement:	47CFR Part 15.407(a)(1)/ (a)(3)	
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01, ANSI C63.10-2020§12.6	
Limit:	Frequency band (MHz)	Limit
	5150-5250	≤17dBm/1MHz for master device
		≤11dBm/1MHz for client device
	5250-5350	≤11dBm/1MHz for client device
	5470-5725	≤11dBm/1MHz for client device
	5725-5850	≤30dBm/500kHz
Test setup:		
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 23.9°C	Humid.: 55%RH
Test voltage:	AC 120V 60Hz	
Test results:	Pass	

Measurement Result

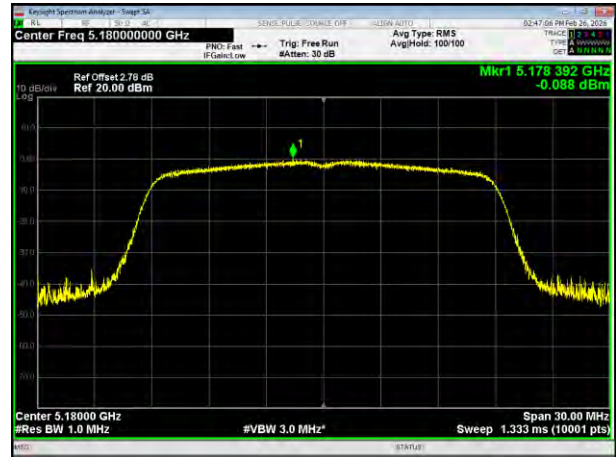
5180-5240MHz

Mode	Frequency	Measured Power Density (dBm/MHz)	Correction Factor (dB)	Total Measured Power Density (dBm/MHz)	Limit (dBm/MHz)
802.11 a	5180 MHz	0.111	0	0.111	11
	5200 MHz	0.401	0	0.401	11
	5240 MHz	0.172	0	0.172	11
802.11 n20	5180 MHz	-0.088	0	-0.088	11
	5200 MHz	-0.428	0	-0.428	11
	5240 MHz	-0.608	0	-0.608	11
802.11 ac20	5180 MHz	-4.243	0	-4.243	11
	5200 MHz	-4.075	0	-4.075	11
	5240 MHz	-0.206	0	-0.206	11
802.11 n40	5190 MHz	-0.062	0	-0.062	11
	5230 MHz	0.15	0	0.15	11
802.11 ac40	5190 MHz	-4.045	0	-4.045	11
	5230 MHz	-3.916	0	-3.916	11
802.11 ac80	5210 MHz	-7.92	0	-7.92	11

(802.11a) PSD plot on channel 36



(802.11n20) PSD plot on channel 36



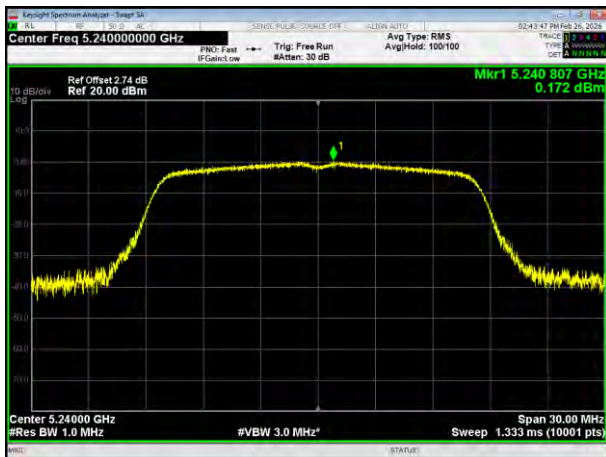
(802.11a) PSD plot on channel 40



(802.11n20) PSD plot on channel 40



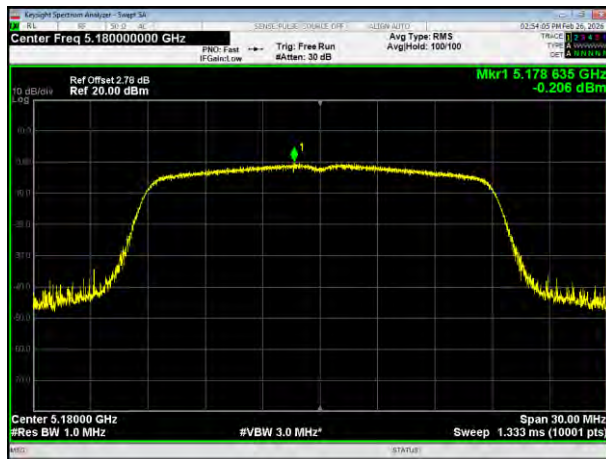
(802.11a) PSD plot on channel 48



(802.11n20) PSD plot on channel 48



(802.11ac20) PSD plot on channel 36



(802.11n40) PSD plot on channel 38



(802.11ac20) PSD plot on channel 40



(802.11n40) PSD plot on channel 46



(802.11ac20) PSD plot on channel 48



(802.11ac40) PSD plot on channel 38



(802.11ac80) PSD plot on channel 42



(802.11ac40) PSD plot on channel 46



Mode	Frequency	Measured Power Density (dBm/510KHz)	Measured Power Density (dBm/500KHz)	Correction Factor (dB)	Total Measured Power Density (dBm/500KHz)	Limit (dBm/500kHz)
802.11 a	5745 MHz	-2.463	-2.549	0	-2.549	30
	5785 MHz	-2.249	-2.335	0	-2.335	30
	5825 MHz	-3.045	-3.131	0	-3.131	30
802.11 n20	5745 MHz	-3.318	-3.404	0	-3.404	30
	5785 MHz	-3.027	-3.113	0	-3.113	30
	5825 MHz	-2.671	-2.757	0	-2.757	30
802.11ac20	5745 MHz	-6.947	-7.033	0	-7.033	30
	5785 MHz	-6.785	-6.871	0	-6.871	30
	5825 MHz	-3.466	-3.552	0	-3.552	30
802.11 n40	5755 MHz	-2.754	-2.84	0	-2.84	30
	5795 MHz	-2.562	-2.648	0	-2.648	30
802.11ac40	5755 MHz	-7.063	-7.149	0	-7.149	30
	5795 MHz	-7.183	-7.269	0	-7.269	30
802.11ac80	5775 MHz	-11.329	-11.415	0	-11.415	30

Note:

1. Correction Factor (dB)= duty cycle factor
2. RBW Factor (dB) = $10 \cdot \log(500/510) = -0.086$
3. Measured PSD (dBm/500kHz) = Measured PSD (dBm/510kHz) + RBW Factor (dB)
4. Total Measured Power Density (dBm/500KHz) = Measured PSD (dBm/500kHz) + Correction Factor (dB)

(802.11a) PSD plot on channel 149



(802.11n20) PSD plot on channel 149



(802.11a) PSD plot on channel 157



(802.11n20) PSD plot on channel 157



(802.11a) PSD plot on channel 165



(802.11n20) PSD plot on channel 165



(802.11ac20) PSD plot on channel 149



(802.11n40) PSD plot on channel 151



(802.11ac20) PSD plot on channel 157



(802.11n40) PSD plot on channel 159



(802.11ac20) PSD plot on channel 165



(802.11ac40) PSD plot on channel 151



(802.11ac80) PSD plot on channel 155

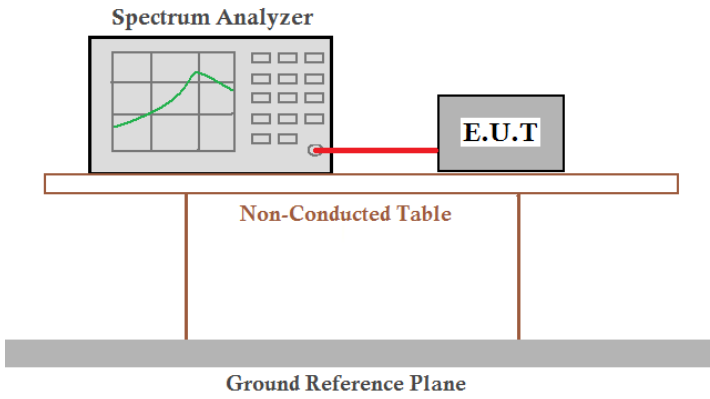


(802.11ac40) PSD plot on channel 159



4.7 Band edge

4.7.1 Conducted test Method

Test Requirement:	47CFR Part 15.209 and 15.205	
Test Method:	ANSI C63.10-2020 § 6.10	
Limit:	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.	
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane, which is represented by a thick grey bar at the bottom.	
Test Procedure:	1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. 2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range. 3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span. 4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency. 5. Repeat above procedures until all measured frequencies were complete..	
Test Instruments:	Refer to section 3.0 for details	
Test mode:	Refer to section 2.2 for details	
Test environment:	Temp.: 23.9°C	Humid.: 55%RH
Test voltage:	AC 120V 60Hz	
Test results:	Pass	

Remark: Due to the margin value of the sideband test being greater than the antenna gain value, the test meets the requirements

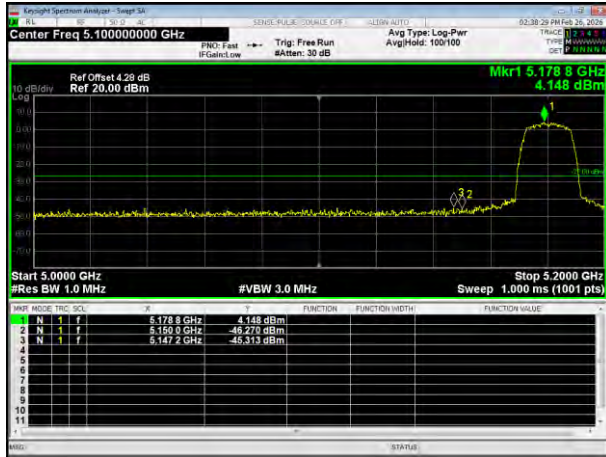


Band Edge

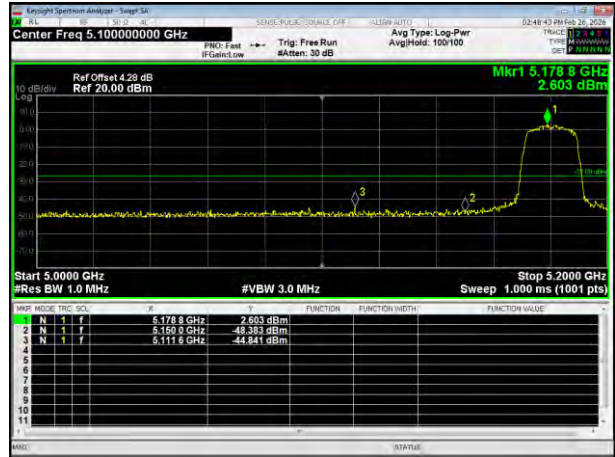
Condition	Mode	Frequenc y (MHz)	Antenna	Max Value (dBm)	Antenna(dBi)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-45.31	2.89	-42.42	-27	Pass
NVNT	a	5240	Ant1	-46.37	2.89	-43.48	-27	Pass
NVNT	n20	5180	Ant1	-44.84	2.89	-41.95	-27	Pass
NVNT	n20	5240	Ant1	-45.77	2.89	-42.88	-27	Pass
NVNT	n40	5190	Ant1	-45.58	2.89	-42.69	-27	Pass
NVNT	n40	5230	Ant1	-45.62	2.89	-42.73	-27	Pass
NVNT	ac20	5180	Ant1	-45.43	2.89	-42.54	-27	Pass
NVNT	ac20	5240	Ant1	-45.59	2.89	-42.7	-27	Pass
NVNT	ac40	5190	Ant1	-45.76	2.89	-42.87	-27	Pass
NVNT	ac40	5230	Ant1	-46.19	2.89	-43.3	-27	Pass
NVNT	ac80	5210	Ant1	-45.51	2.89	-42.62	-27	Pass

5.180~5.240 GHz

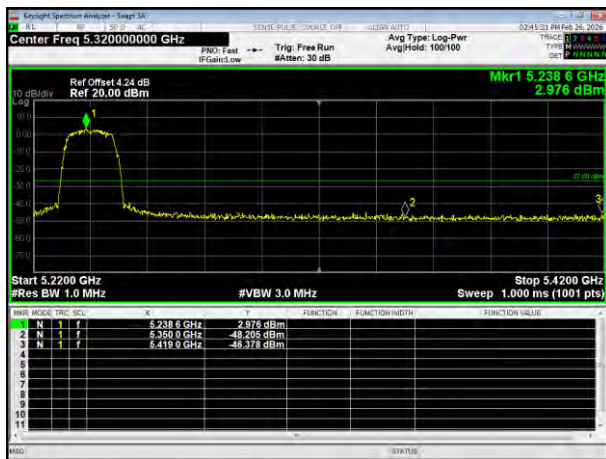
(802.11a) Band Edge, Left Side



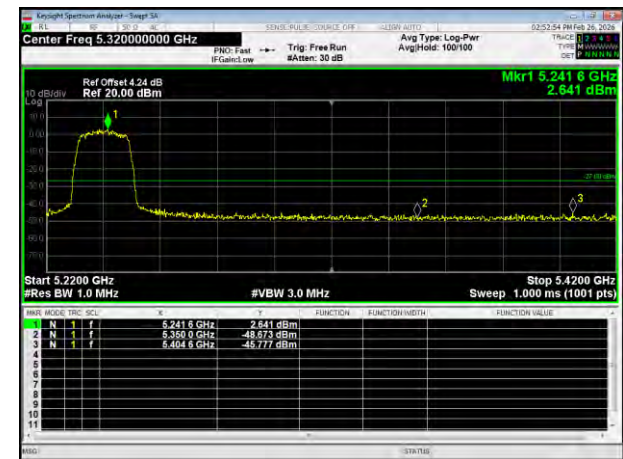
(802.11n20) Band Edge, Left Side



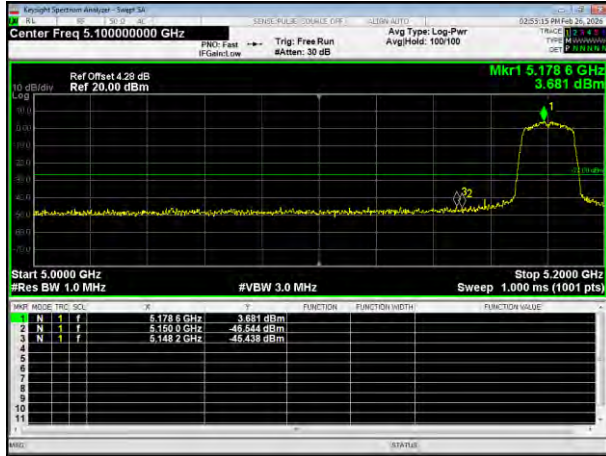
(802.11a) Band Edge, Right Side



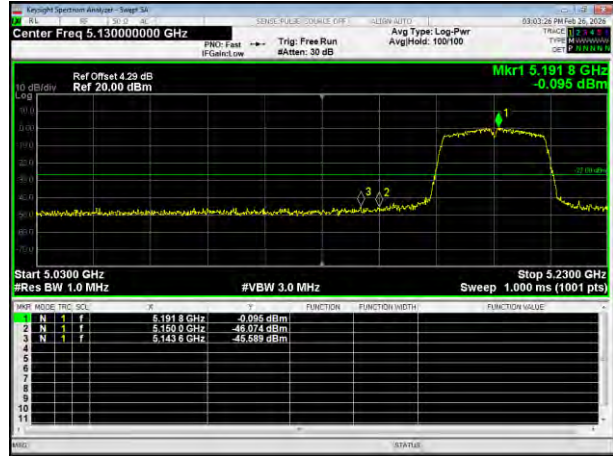
(802.11n20) Band Edge, Right Side



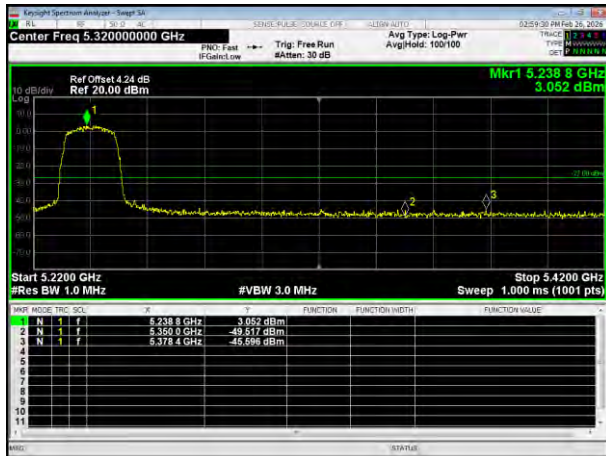
(802.11ac20) Band Edge, Left Side



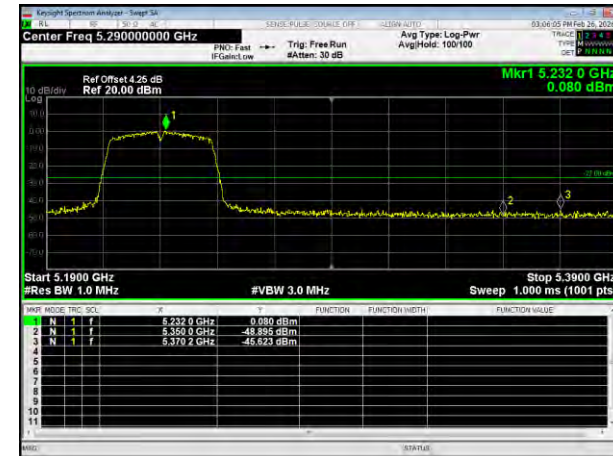
(802.11n40) Band Edge, Left Side



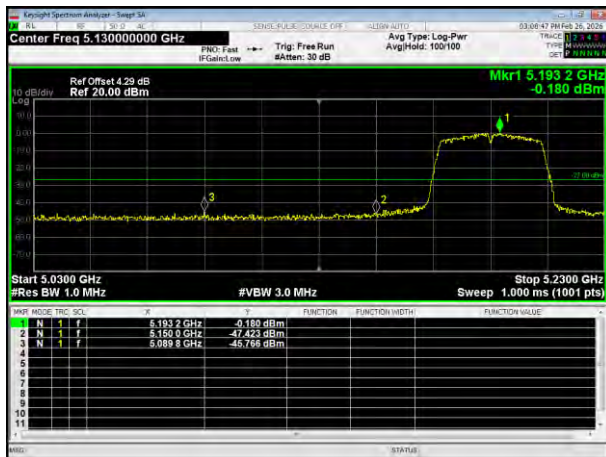
(802.11ac20) Band Edge, Right Side



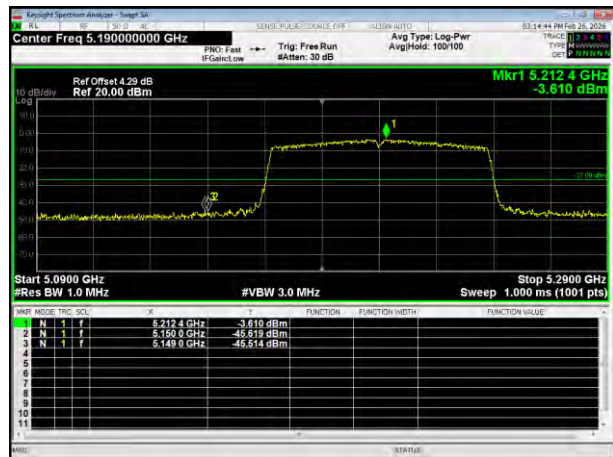
(802.11n40) Band Edge, Right Side



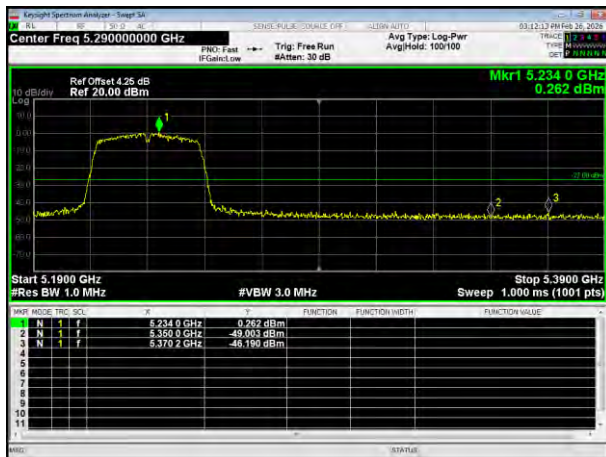
(802.11ac40) Band Edge, Left Side



(802.11ac80) Band Edge



(802.11ac40) Band Edge, Right Side

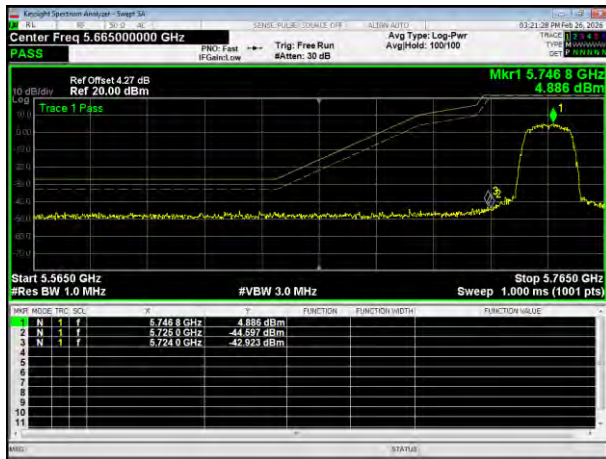


Band Edge

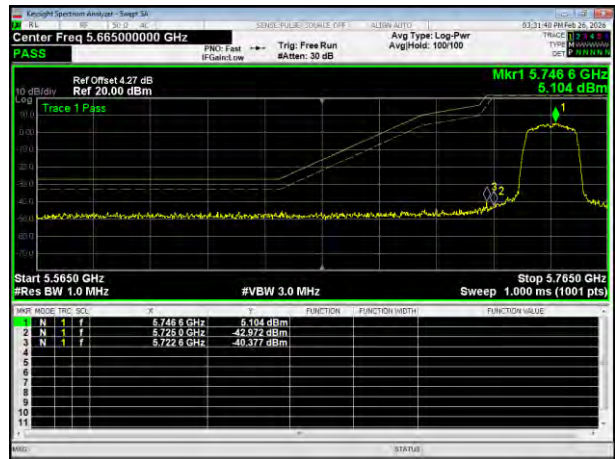
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Antenna(dBi)	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-42.92	2.89	-40.03	-27	Pass
NVNT	a	5825	Ant1	-42.97	2.89	-40.08	-27	Pass
NVNT	n20	5745	Ant1	-40.37	2.89	-37.48	-27	Pass
NVNT	n20	5825	Ant1	-42.19	2.89	-39.3	-27	Pass
NVNT	n40	5755	Ant1	-40.78	2.89	-37.89	-27	Pass
NVNT	n40	5795	Ant1	-45.03	2.89	-42.14	-27	Pass
NVNT	ac20	5745	Ant1	-43.29	2.89	-40.4	-27	Pass
NVNT	ac20	5825	Ant1	-43.56	2.89	-40.67	-27	Pass
NVNT	ac40	5755	Ant1	-40.06	2.89	-37.17	-27	Pass
NVNT	ac40	5795	Ant1	-44.51	2.89	-41.62	-27	Pass
NVNT	ac80	5775	Ant1	-45.17	2.89	-42.28	-27	Pass

5.745~5.825 GHz

(802.11a) Band Edge, Left Side



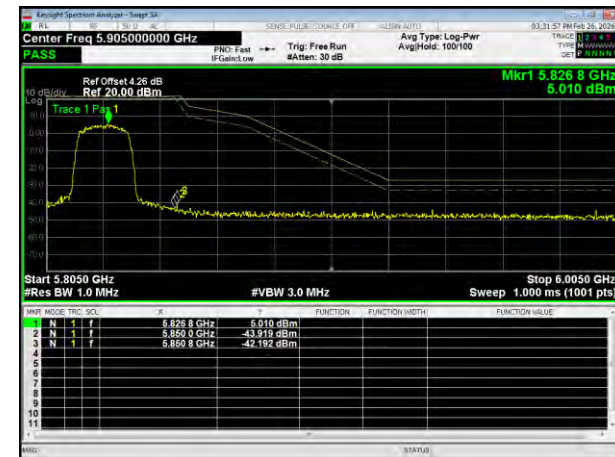
(802.11n20) Band Edge, Left Side



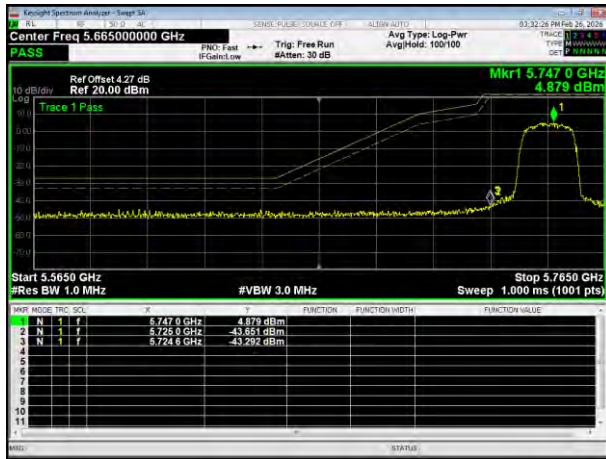
(802.11a) Band Edge, Right Side



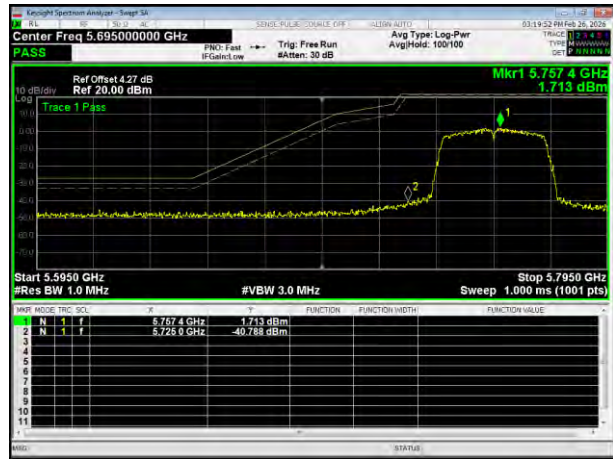
(802.11n20) Band Edge, Right Side



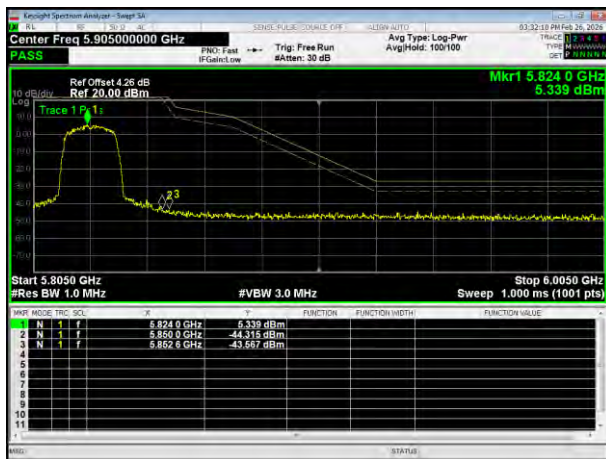
(802.11ac20) Band Edge, Left Side



(802.11n40) Band Edge, Left Side



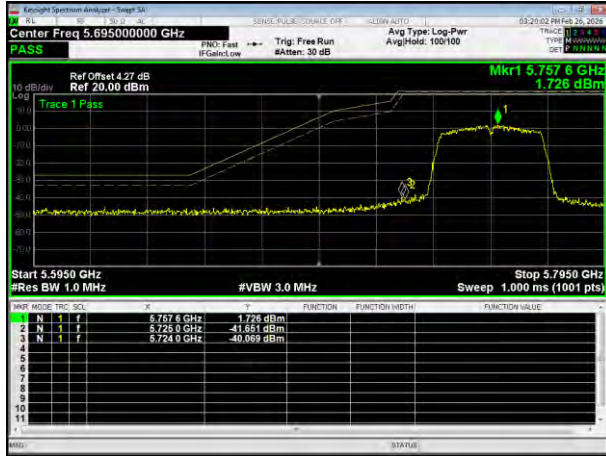
(802.11ac20) Band Edge, Right Side



(802.11n40) Band Edge, Right Side



(802.11ac40) Band Edge, Left Side



(802.11ac80) Band Edge

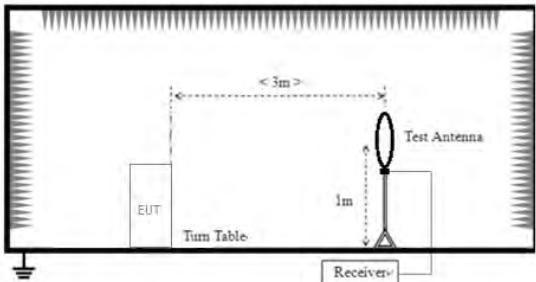
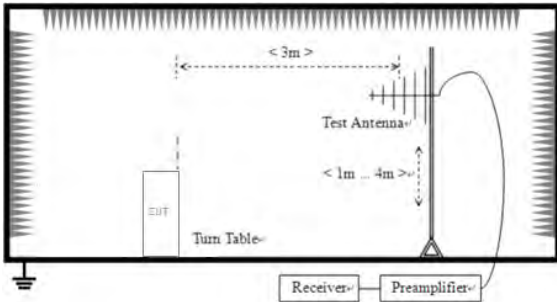


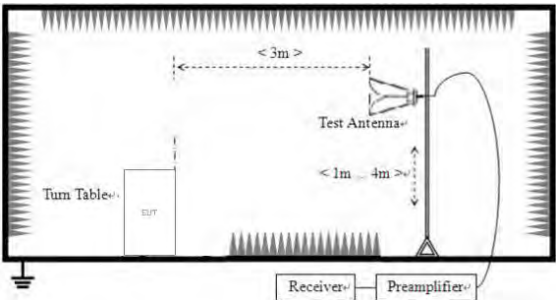
(802.11ac40) Band Edge, Right Side



4.8 Spurious Emission

4.8.1 Radiated Emission Method

Test Requirement:	47CFR Part 15.209, Part 15E Section 15.407(b)(4)				
Test Method:	ANSI C63.10-2020§6.4&6.5&6.6				
Test Frequency Range:	9kHz to 40GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9kHz-150KHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz-30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		AV	1MHz	3MHz	Average Value
Limit:	Frequency	Limit (uV/m)	Value	Measurement Distance	
	0.009MHz-0.490MHz	2400/F(KHz)	QP	300m	
	0.490MHz-1.705MHz	24000/F(KHz)	QP	300m	
	1.705MHz-30MHz	30	QP	30m	
	30MHz-88MHz	100	QP	3m	
	88MHz-216MHz	150	QP		
	216MHz-960MHz	200	QP		
	960MHz-1GHz	500	QP		
	Frequency	Limit (dBm/MHz)	Remark		
	Above 1GHz	-27.0	Peak Value		
Test setup:	For radiated emissions from 9kHz to 30MHz				
					
	For radiated emissions from 30MHz to 1GHz				
					
	For radiated emissions above 1GHz				

	
Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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. 4. 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 and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. 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, quasi-peak or average method as specified and then reported in a data sheet. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Remarks:

1. The report only shows the worst mode.
2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

Measurement Data:
9 kHz ~ 30 MHz

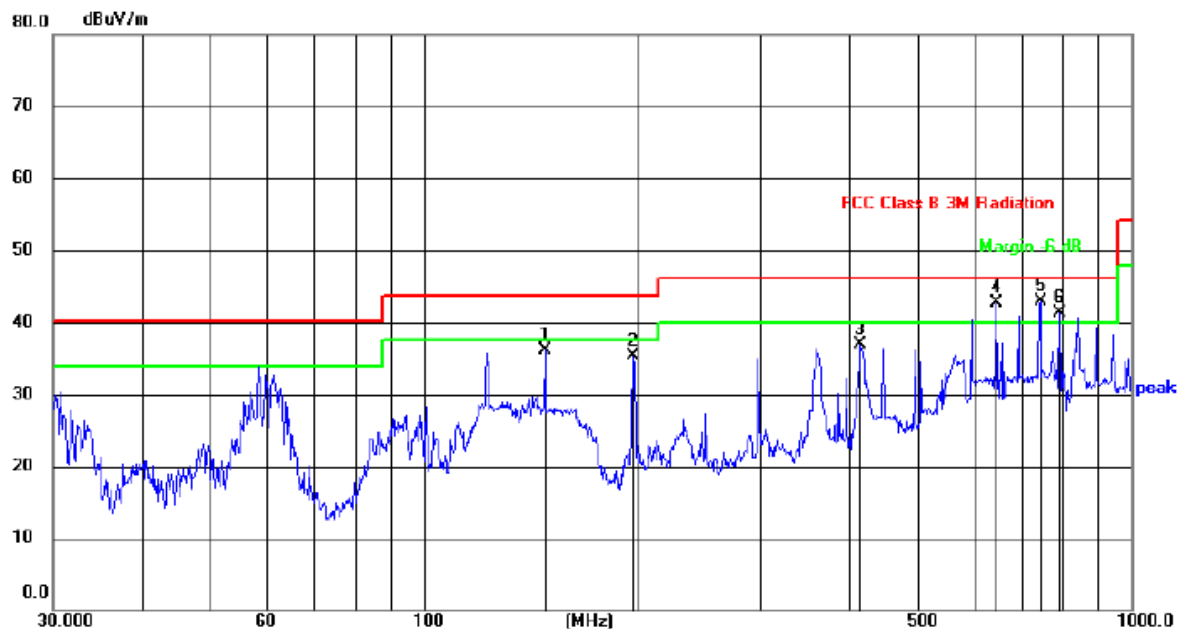
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

Below 1GHz

Remark: The test data shows only the worst case 802.11n20 mode.

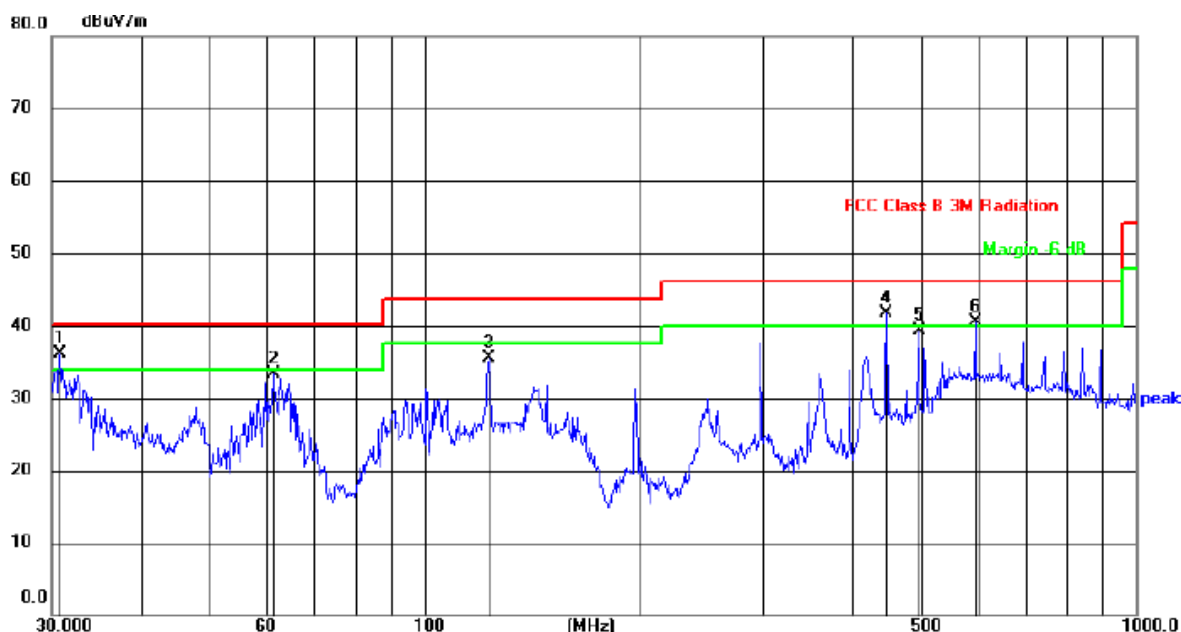
Temperature:	23.9°C	Relative Humidity:	55%
Pressure:	101.2kPa	Test Voltage :	AC 120V 60Hz
Test Mode :	5.2G TX- 802.11n20 (5825MHz)		

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	148.4410	56.86	-20.68	36.18	43.50	-7.32	QP
2	197.8926	58.54	-23.33	35.21	43.50	-8.29	QP
3	414.7223	53.57	-16.69	36.88	46.00	-9.12	QP
4	645.1194	53.16	-10.40	42.76	46.00	-3.24	QP
5	744.8659	51.13	-8.21	42.92	46.00	-3.08	QP
6	793.3958	47.94	-6.71	41.23	46.00	-4.77	QP

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.7454	58.64	-22.61	36.03	40.00	-3.97	QP
2	61.3462	56.16	-22.77	33.39	40.00	-6.61	QP
3	123.2653	58.48	-22.97	35.51	43.50	-7.99	QP
4	446.4139	57.39	-15.65	41.74	46.00	-4.26	QP
5	495.9343	53.62	-14.41	39.21	46.00	-6.79	QP
6	595.1327	52.35	-11.86	40.49	46.00	-5.51	QP

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The test data shows only the worst case 802.11a mode

Above 1GHz:
Remark: The test data shows only the worst case 802.11a mode.

Temperature:	23.9°C	Relative Humidity:	55%
Pressure:	101.2kPa	Test Voltage :	AC 120V 60Hz
Test Mode :	5.2G TX- 802.11a		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Low Channel:5180MHz							
V	10360.00	42.16	1.77	43.93	68.20	-24.27	PK
V	10360.00	37.50	1.77	39.27	54.00	-14.73	AV
V	15540.00	46.79	7.72	54.51	74.00	-19.49	PK
V	15540.00	36.06	7.72	43.78	54.00	-10.22	AV
V	20720.00	52.35	-5.73	46.62	68.20	-21.58	PK
V	20720.00	47.80	-5.73	42.07	54.00	-11.93	AV
V	25900.00	48.96	-2.89	46.07	68.20	-22.13	PK
V	25900.00	43.66	-2.89	40.77	54.00	-13.23	AV
V	31080.00	45.91	1.66	47.57	68.20	-20.63	PK
V	31080.00	41.15	1.66	42.81	54.00	-11.19	AV
V	36260.00	42.96	4.63	47.59	68.20	-20.61	PK
V	36260.00	38.14	4.63	42.77	54.00	-11.23	AV
H	10360.00	41.63	1.77	43.40	68.20	-24.80	PK
H	10360.00	36.99	1.77	38.76	54.00	-15.24	AV
H	15540.00	46.57	7.72	54.29	74.00	-19.71	PK
H	15540.00	36.45	7.72	44.17	54.00	-9.83	AV
H	20720.00	52.12	-5.73	46.39	68.20	-21.81	PK
H	20720.00	46.91	-5.73	41.18	54.00	-12.82	AV
H	25900.00	48.95	-2.89	46.06	68.20	-22.14	PK
H	25900.00	44.06	-2.89	41.17	54.00	-12.83	AV
H	31080.00	45.16	1.66	46.82	68.20	-21.38	PK
H	31080.00	39.97	1.66	41.63	54.00	-12.37	AV
H	36260.00	42.85	4.63	47.48	68.20	-20.72	PK
H	36260.00	38.62	4.63	43.25	54.00	-10.75	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Middle Channel:5200Hz							
V	10400.00	41.62	1.85	43.47	68.20	-24.73	PK
V	10400.00	37.35	1.85	39.20	54.00	-14.80	AV
V	15600.00	46.29	7.64	53.93	74.00	-20.07	PK
V	15600.00	35.72	7.64	43.36	54.00	-10.64	AV
V	20800.00	52.11	-5.67	46.44	68.20	-21.76	PK
V	20800.00	47.08	-5.67	41.41	54.00	-12.59	AV
V	26000.00	49.11	-2.85	46.26	68.20	-21.94	PK
V	26000.00	43.85	-2.85	41.00	54.00	-13.00	AV
V	31200.00	45.28	1.57	46.85	68.20	-21.35	PK
V	31200.00	40.33	1.57	41.90	54.00	-12.10	AV
V	36400.00	42.96	4.93	47.89	68.20	-20.31	PK
V	36400.00	38.63	4.93	43.56	54.00	-10.44	AV
H	10400.00	42.06	1.85	43.91	68.20	-24.29	PK
H	10400.00	38.04	1.85	39.89	54.00	-14.11	AV
H	15600.00	47.96	7.64	55.60	74.00	-18.40	PK
H	15600.00	37.52	7.64	45.16	54.00	-8.84	AV
H	20800.00	53.10	-5.67	47.43	68.20	-20.77	PK
H	20800.00	47.78	-5.67	42.11	54.00	-11.89	AV
H	26000.00	46.96	-2.85	44.11	68.20	-24.09	PK
H	26000.00	34.55	-2.85	31.70	54.00	-22.30	AV
H	31200.00	45.14	1.57	46.71	68.20	-21.50	PK
H	31200.00	39.95	1.57	41.52	54.00	-12.48	AV
H	36400.00	42.70	4.93	47.63	68.20	-20.57	PK
H	36400.00	37.74	4.93	42.67	54.00	-11.33	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
High Channel:5240MHz							
V	10480.00	43.23	2.02	45.25	68.20	-22.95	PK
V	10480.00	38.42	2.02	40.44	54.00	-13.56	AV
V	15720.00	45.34	7.46	52.80	74.00	-21.20	PK
V	15720.00	35.28	7.46	42.74	54.00	-11.26	AV
V	20960.00	52.44	-5.56	46.88	68.20	-21.32	PK
V	20960.00	47.40	-5.56	41.84	54.00	-12.16	AV
V	26200.00	48.32	-2.50	45.82	68.20	-22.38	PK
V	26200.00	44.04	-2.50	41.54	54.00	-12.46	AV
V	31440.00	45.44	1.39	46.83	68.20	-21.37	PK
V	31440.00	40.50	1.39	41.89	54.00	-12.11	AV
V	36680.00	42.42	5.25	47.67	68.20	-20.53	PK
V	36680.00	38.18	5.25	43.43	54.00	-10.57	AV
H	10480.00	42.40	2.02	44.42	68.20	-23.78	PK
H	10480.00	37.46	2.02	39.48	54.00	-14.52	AV
H	15720.00	46.72	7.46	54.18	74.00	-19.82	PK
H	15720.00	36.27	7.46	43.73	54.00	-10.27	AV
H	20960.00	53.18	-5.56	47.62	68.20	-20.58	PK
H	20960.00	47.74	-5.56	42.18	54.00	-11.82	AV
H	26200.00	48.77	-2.50	46.27	68.20	-21.93	PK
H	26200.00	44.75	-2.50	42.25	54.00	-11.75	AV
H	31440.00	45.69	1.39	47.08	68.20	-21.12	PK
H	31440.00	41.54	1.39	42.93	54.00	-11.07	AV
H	36680.00	43.46	5.15	48.61	68.20	-19.59	PK
H	36680.00	43.23	5.15	48.38	54.00	-5.62	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Temperature:	23.6°C	Relative Humidity:	60%
Pressure:	101.2kPa	Test Voltage :	AC 120V 60Hz
Test Mode :	5.8G TX- 802.11n20		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Low Channel:5745MHz							
V	11490.00	46.01	3.31	49.32	74.00	-24.68	PK
V	11490.00	36.68	3.31	39.99	54.00	-14.01	AV
V	17235.00	42.43	10.10	52.53	68.20	-15.67	PK
V	17235.00	37.24	10.10	47.34	54.00	-6.66	AV
V	22980.00	54.32	-4.61	49.71	74.00	-24.30	PK
V	22980.00	44.99	-4.61	40.38	54.00	-13.62	AV
V	28725.00	46.92	0.87	47.79	68.20	-20.41	PK
V	28725.00	41.83	0.87	42.70	54.00	-11.30	AV
V	34470.00	43.10	3.82	46.92	68.20	-21.29	PK
V	34470.00	38.57	3.82	42.39	54.00	-11.61	AV
H	11490.00	46.31	3.31	49.62	74.00	-24.38	PK
H	11490.00	36.03	3.31	39.34	54.00	-14.66	AV
H	17235.00	40.97	10.10	51.07	68.20	-17.13	PK
H	17235.00	35.94	10.10	46.04	54.00	-7.96	AV
H	22980.00	56.57	-4.61	51.96	74.00	-22.04	PK
H	22980.00	45.87	-4.61	41.26	54.00	-12.74	AV
H	28725.00	46.90	0.87	47.77	68.20	-20.43	PK
H	28725.00	42.62	0.87	43.49	54.00	-10.51	AV
H	34470.00	43.48	3.82	47.30	68.20	-20.90	PK
H	34470.00	39.33	3.82	43.15	54.00	-10.85	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Low Channel:5785MHz							
V	11570.00	46.68	3.34	50.02	74.00	-23.98	PK
V	11570.00	36.42	3.34	39.76	54.00	-14.24	AV
V	17355.00	42.40	10.52	52.92	68.20	-15.28	PK
V	17355.00	37.81	10.52	48.33	54.00	-5.67	AV
V	23140.00	53.97	-4.66	49.31	74.00	-24.69	PK
V	23140.00	44.33	-4.66	39.67	54.00	-14.33	AV
V	28925.00	46.42	1.36	47.78	68.20	-20.42	PK
V	28925.00	42.74	1.36	44.10	54.00	-9.90	AV
V	34710.00	42.89	3.95	46.84	68.20	-21.36	PK
V	34710.00	38.18	3.95	42.13	54.00	-11.87	AV
H	11570.00	47.46	3.34	50.80	74.00	-23.20	PK
H	11570.00	37.37	3.34	40.71	54.00	-13.29	AV
H	17355.00	40.79	10.52	51.31	68.20	-16.89	PK
H	17355.00	33.94	10.52	44.46	54.00	-9.54	AV
H	23140.00	53.35	-4.66	48.69	74.00	-25.31	PK
H	23140.00	42.23	-4.66	37.57	54.00	-16.43	AV
H	28925.00	52.12	1.36	53.48	68.20	-14.72	PK
H	28925.00	46.70	1.36	48.06	54.00	-5.94	AV
H	34710.00	52.41	3.95	56.36	68.20	-11.84	PK
H	34710.00	41.49	3.95	45.44	54.00	-8.56	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detect or Type
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
Low Channel:5825MHz							
V	11650.00	45.06	3.36	48.42	74.00	-25.58	PK
V	11650.00	35.79	3.36	39.15	54.00	-14.85	AV
V	17475.00	41.72	10.93	52.65	68.20	-15.55	PK
V	17475.00	37.32	10.93	48.25	54.00	-5.75	AV
V	23300.00	52.21	-4.77	47.44	68.20	-20.76	PK
V	23300.00	46.96	-4.77	42.19	54.00	-11.81	AV
V	29125.00	46.88	1.65	48.53	68.20	-19.67	PK
V	29125.00	41.49	1.65	43.14	54.00	-10.86	AV
V	34950.00	41.47	4.09	45.56	68.20	-22.64	PK
V	34950.00	37.80	4.09	41.89	54.00	-12.11	AV
H	11650.00	47.90	3.36	51.26	74.00	-22.74	PK
H	11650.00	37.22	3.36	40.58	54.00	-13.42	AV
H	17475.00	39.90	10.93	50.83	68.20	-17.37	PK
H	17475.00	36.23	10.93	47.16	54.00	-6.84	AV
H	23300.00	51.21	-4.77	46.44	68.20	-21.76	PK
H	23300.00	47.80	-4.77	43.03	54.00	-10.97	AV
H	29125.00	47.74	1.65	49.39	68.20	-18.81	PK
H	29125.00	43.32	1.65	44.97	54.00	-9.03	AV
H	34950.00	45.06	4.09	49.15	68.20	-19.05	PK
H	34950.00	35.79	4.09	39.88	54.00	-14.12	AV

Remark:

1. Emission Level = Meter Reading + Factor,
Factor=Antenna Factor + Cable Loss – Pre-amplifier
Margin= Emission Level – Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

5 Test Setup Photo

Reference to the file No.: ET-26020487SP for details.

6 EUT Constructional Details

Reference to the file No.: ET-26020487EP and ET-26020487IP for details

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