

FCC Radio Test Report

FCC ID: 2AV2N-SR1041F

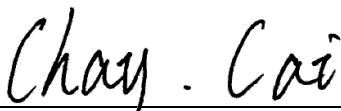
This report concerns: Class II Permissive Change

Project No. : 2204C161A
Equipment : Wireless Router
Brand Name : FiberHome
Test Model : SR1041F
Series Model : N/A
Applicant : Fiberhome Telecommunication Technologies Co., Ltd.
Address : No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Manufacturer : Fiberhome Telecommunication Technologies Co., Ltd.
Address : No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Factory : Fiberhome Telecommunication Technologies Co., Ltd.
Address : No.88 Youkeyuan Road, Hongshan District, Wuhan, Hubei , China
Date of Receipt : Jul. 24, 2022
Date of Test : Jul. 24, 2022 ~ Aug. 01, 2022
Issued Date : Aug. 05, 2022
Report Version : R00
Test Sample : Engineering Sample No.: DG20220427114 for conducted,
DG20220427113 for radiated above 1GHz.
Standard(s) : FCC CFR Title 47, Part 15, Subpart E
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.



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Approved by : Chay Cai



TESTING CERT #5123.02

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any agency of the U.S. Government.

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BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-5-2204C161A	R00	Compared with original report(BTL-FCCP-2-2204C161), added the WiFi 5G UNII-2C. All test items except AC Power Line Conducted Emissions and radiated below 1GHz have been tested and recorded in this report. Other test data please refer to original report.	Aug. 05, 2022	Valid

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart E				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.407(a)	Bandwidth	APPENDIX E	PASS	-----
15.407(a)	Maximum Output Power	APPENDIX F	PASS	-----
15.407(a)	Power Spectral Density	APPENDIX G	PASS	-----
15.407(g)	Frequency Stability	APPENDIX H	PASS	-----
15.203	Antenna Requirements	-----	PASS	NOTE (2)
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (3)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (4) For UNII-1 this device was functioned as a
 - ☐ Outdoor access point device
 - ☒ Indoor access point device
 - ☐ Fixed point-to-point access points device
 - ☐ Client device

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town Dongguan City, Guangdong 523792 People's Republic of China.

BTL's Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	3.80
		6GHz ~ 18GHz	4.82

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.62
		26.5 ~ 40 GHz	4.00

B. Other Measurement test:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Power Spectral Density	±0.86 dB
Frequency Stability	±0.16 dB
Temperature	±0.08 °C
Humidity	±1.5%

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Radiated Emissions-Above 1000 MHz	22°C	58%	AC 120V/60Hz	Chen Mo
Bandwidth	24°C	65%	DC 12V	Silly Zheng
Maximum Output Power	22.8°C	56.4%	DC 12V	Complex Qin
Power Spectral Density	24°C	65%	DC 12V	Silly Zheng
Frequency Stability	Normal & Extreme	65%	Normal & Extreme	Silly Zheng

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Router
Brand Name	FiberHome
Test Model	SR1041F
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC adapter. 1# Model: RD1201000-C55-35MGD 2# Model: KL-WA120100-D
Power Rating	1# I/P: 100-240V~ 50/60Hz 0.6A MAX O/P: 12V  1.0A 2# I/P: 100-240V~ 50/60Hz 0.5A O/P: 12.0V  1.0A
Operation Frequency Band(s)	UNII-2C: 5470 MHz ~ 5725 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ac: up to 866.7 Mbps IEEE 802.11ax: up to 2402 Mbps
Maximum Output Power UNII-2C Non Beamforming	IEEE 802.11ax(HE160): 16.75 dBm (0.0473 W)
Maximum Output Power UNII-2C Beamforming	IEEE 802.11ax(HE160): 16.24 dBm (0.0421 W)

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				

IEEE 802.11ax(HE160)	
Channel	Frequency (MHz)
114	5570

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		RFB1605CBB01C	Dipole	IPEX	5.23
2		RFB1605CBB01D	Dipole	IPEX	5.25
3		RFB1605CBB01E	Dipole	IPEX	5.29

Note:

- 1) This EUT supports CDD, and all antenna gains are not equal, so Directional gain= $10\log[(10^{G1/20}+10^{G2/20}+...10^{GN/20})^2/N]$ dBi, that is Directional gain= $10\log[(10^{5.23/20}+10^{5.25/20}+10^{5.29/20})^2/3]$ dBi =10.03. So, the UNII-2C output power limit is 23.98-(10.03-6)=19.95. The UNII-2C power spectral density limit is 11-(10.03-6)=6.97.
- 2) Beamforming Gain: 4.7 dB. That is Directional gain=4.7+5.29=9.99. So, the UNII-2C output power limit is 23.98-(9.99-6)=19.99.
- 3) The antenna gain and beamforming gain are provided by the manufacturer.
- 4) The EUT is 3T3R, but only NSS2 is supported.

4. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode TX Mode	1TX	3TX
IEEE 802.11a	V (Ant. 1)	-
IEEE 802.11n(HT20)	-	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11n(HT40)	-	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT20)	-	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT40)	-	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT80)	-	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE20)	-	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE40)	-	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE80)	-	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE160)	-	V (Ant. 1+Ant. 2+Ant. 3)

For Beamforming:

Operating Mode TX Mode	3TX
IEEE 802.11n(HT20)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11n(HT40)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT20)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT40)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT80)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE20)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE40)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE80)	V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE160)	V (Ant. 1+Ant. 2+Ant. 3)

2.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 2	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 3	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 4	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 5	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 6	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 7	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 8	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 9	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 10	TX AX(HE160) Mode Channel 114 (UNII-2C)

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

Radiated Emissions Test - Above 1GHz_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 4	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 5	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 6	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 7	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 8	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 9	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 10	TX AX(HE160) Mode Channel 114 (UNII-2C)

Maximun Output Power Test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 2	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 3	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 4	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 5	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 6	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 7	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 8	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 9	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 10	TX AX(HE160) Mode Channel 114 (UNII-2C)

Maximun Output Power Test_Beamforming	
Final Test Mode	Description
Mode 2	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 3	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 4	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 5	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 6	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 7	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 8	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 9	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 10	TX AX(HE160) Mode Channel 114 (UNII-2C)

Other Conducted Test_Non Beamforming	
Final Test Mode	Description
Mode 1	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 4	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 5	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 6	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 7	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 8	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 9	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 10	TX AX(HE160) Mode Channel 114 (UNII-2C)

Note:

- (1) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (2) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (3) The measurements for Output Power are tested, the worst case are IEEE 802.11a mode, IEEE 802.11ac(VHT20) mode, IEEE 802.11ac(VHT40) mode, IEEE 802.11ac(VHT80) mode, IEEE 802.11ax(HE20) mode, IEEE 802.11ax(HE40) mode, IEEE 802.11ax(HE80) mode and IEEE 802.11ax(HE160) mode, only the worst cases are documented for other test items.
- (4) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
- (5) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.
- (6) For radiated emission above 1 GHz test: The polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.

2.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

UNII-2C			
Test Software Version	QATool_Dbg 0.0.2.73		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	9	9	9.5
IEEE 802.11n(HT20)	8.5	8	8
IEEE 802.11ac(VHT20)	8.5	8	8
IEEE 802.11ax(HE20)	11	10.5	10.5
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	8.5	8.5	8.5
IEEE 802.11ac(VHT40)	8.5	8.5	8.5
IEEE 802.11ax(HE40)	10.5	10.5	10.5
Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	10	9.5	
IEEE 802.11ax(HE80)	11	10.5	
Frequency (MHz)	5570		
IEEE 802.11ax(HE160)	13		

Beamforming

UNII-2C			
Test Software Version	QATool_Dbg 0.0.2.73		
Frequency (MHz)	5500	5580	5700
IEEE 802.11n(HT20)	8.5	8	8
IEEE 802.11ac(VHT20)	8	7.5	7.5
IEEE 802.11ax(HE20)	10.5	10	10
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	8.5	8	8
IEEE 802.11ac(VHT40)	8	8	8
IEEE 802.11ax(HE40)	10	10	10
Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	9.5	9	
IEEE 802.11ax(HE80)	10.5	10	
Frequency (MHz)	5570		
IEEE 802.11ax(HE160)	12.5		

2.4 DUTY CYCLE

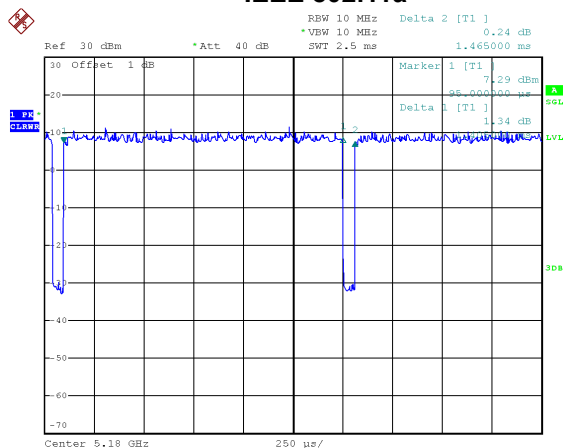
If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

The output power = measured power + duty factor.

The power spectral density = measured power spectral density + duty factor.

IEEE 802.11a

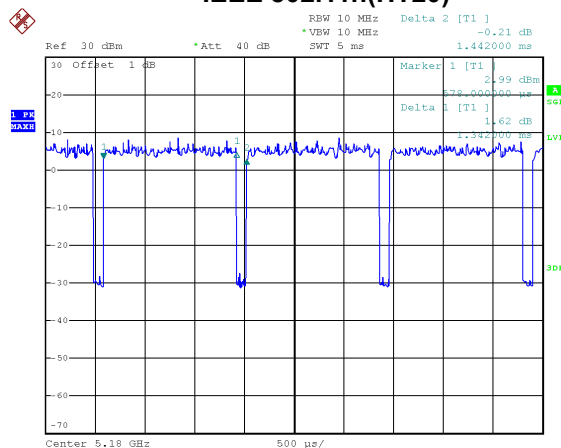


Date: 11.MAY.2022 17:19:36

Duty cycle = 1.405 ms / 1.465 ms = 95.90%

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.18$

IEEE 802.11n(HT20)

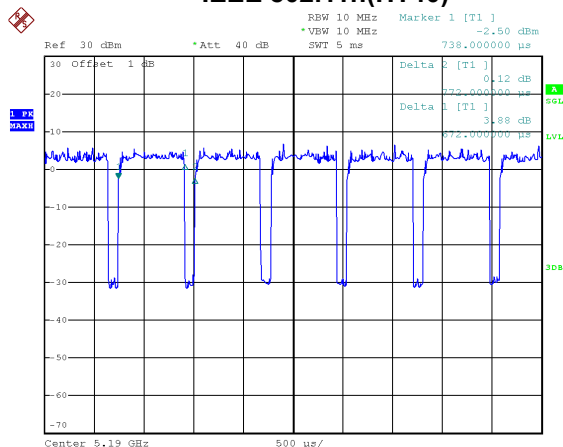


Date: 16.MAY.2022 16:33:18

Duty cycle = 1.342 ms / 1.442 ms = 93.07%

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.31$

IEEE 802.11n(HT40)

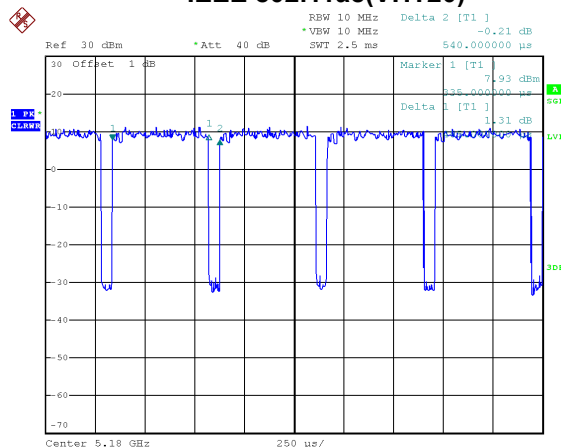


Date: 16.MAY.2022 16:34:43

Duty cycle = 0.672 ms / 0.738 ms = 91.06%

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.41$

IEEE 802.11ac(VHT20)

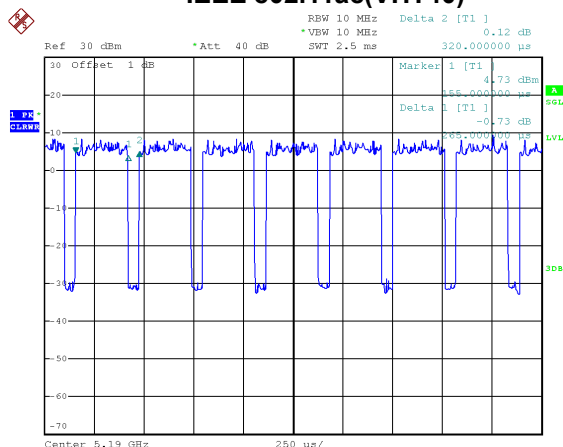


Date: 11.MAY.2022 17:19:58

Duty cycle = 0.485 ms / 0.540 ms = 89.81%

Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.47$

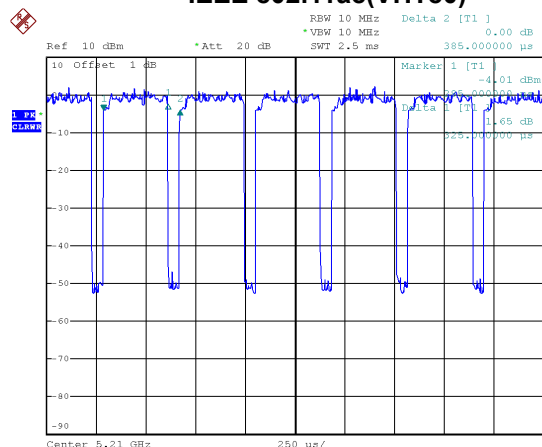
IEEE 802.11ac(VHT40)



Date: 11.MAY.2022 17:21:22

Duty cycle = 0.265 ms / 0.320 ms = 82.81%
Duty Factor = 10 log(1 / Duty cycle) = 0.82

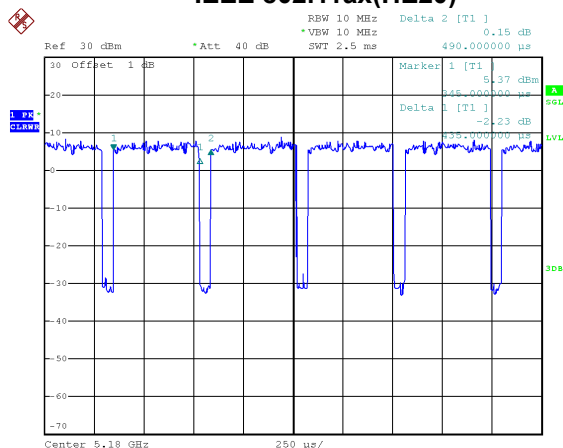
IEEE 802.11ac(VHT80)



Date: 15.MAY.2022 14:41:29

Duty cycle = 0.325 ms / 0.385 ms = 84.42%
Duty Factor = 10 log(1 / Duty cycle) = 0.74

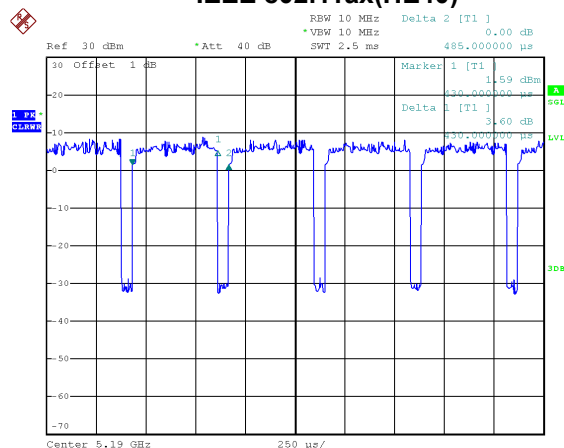
IEEE 802.11ax(HE20)



Date: 11.MAY.2022 17:27:00

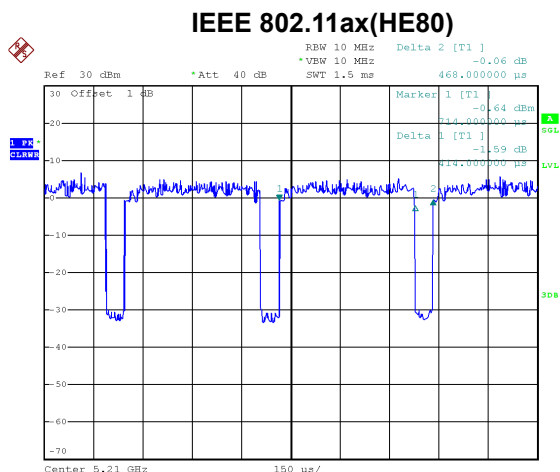
Duty cycle = 0.435 ms / 0.490 ms = 88.78%
Duty Factor = 10 log(1 / Duty cycle) = 0.52

IEEE 802.11ax(HE40)



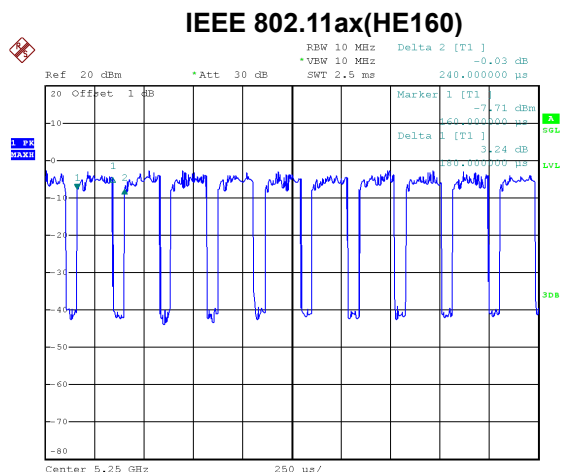
Date: 11.MAY.2022 17:27:25

Duty cycle = 0.430 ms / 0.485 ms = 88.66%
Duty Factor = 10 log(1 / Duty cycle) = 0.52



Date: 11.MAY.2022 17:28:39

Duty cycle = 0.414 ms / 0.468 ms = 88.46%
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.53$



Date: 20.MAY.2022 00:26:15

Duty cycle = 0.180 ms / 0.240 ms = 75.00%
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 1.25$

NOTE:

For IEEE 802.11a:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 712 Hz (Duty cycle < 98%).

For IEEE 802.11n(HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 745 Hz (Duty cycle < 98%).

For IEEE 802.11n(HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1488 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2062 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3774 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3077 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2299 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2326 Hz (Duty cycle < 98%).

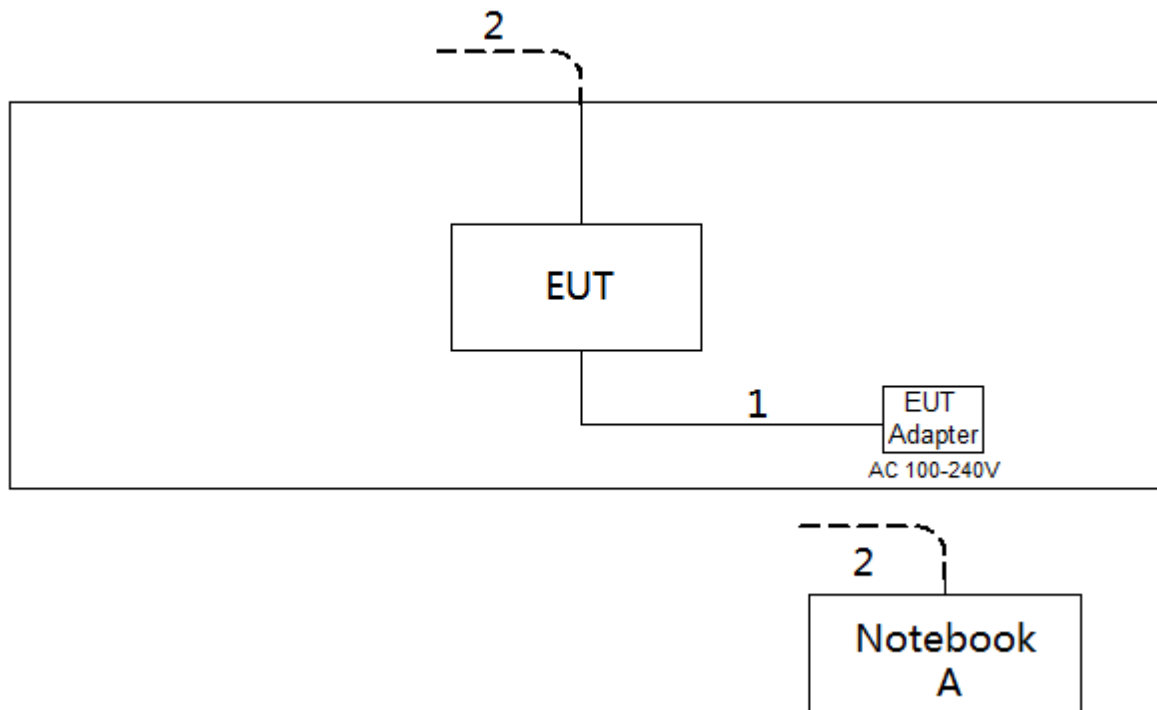
For IEEE 802.11ax(HE80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2415 Hz (Duty cycle < 98%).

For IEEE 802.11ax(HE160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 5556 Hz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	RJ45 Cable	NO	NO	10m

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 LIMIT

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

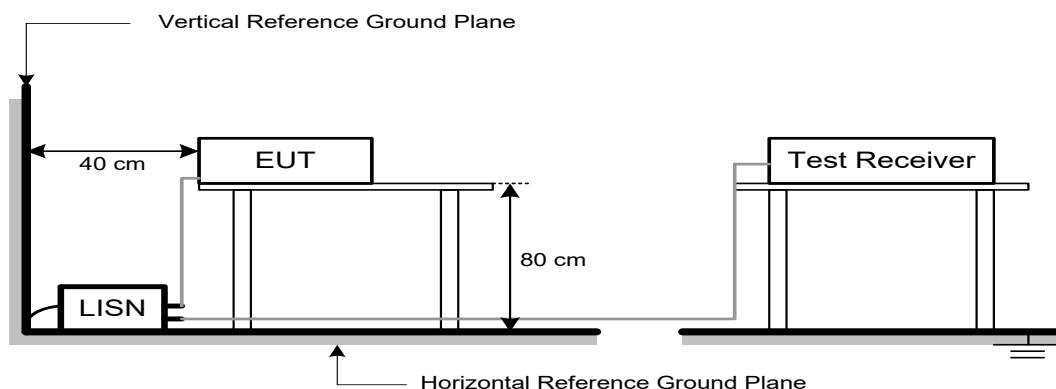
The following table is the setting of the receiver:

Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS (Above 1000 MHz)

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5470-5725	-27	68.2

NOTE:

(1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

4.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. 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 find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
(below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic or 40 GHz, whichever is lower
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

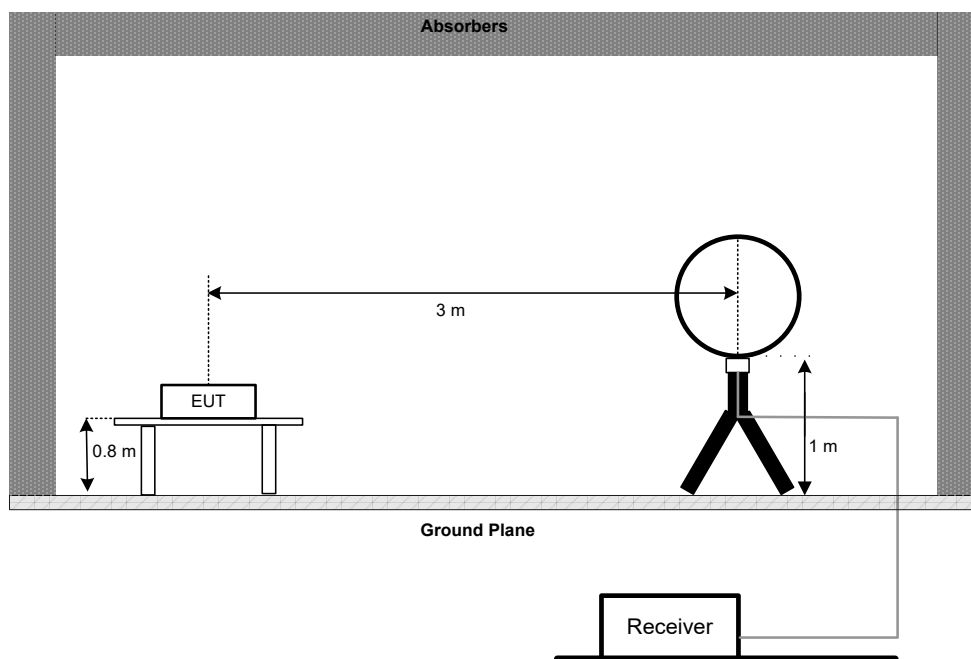
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~40 GHz for PK/AVG detector

4.3 DEVIATION FROM TEST STANDARD

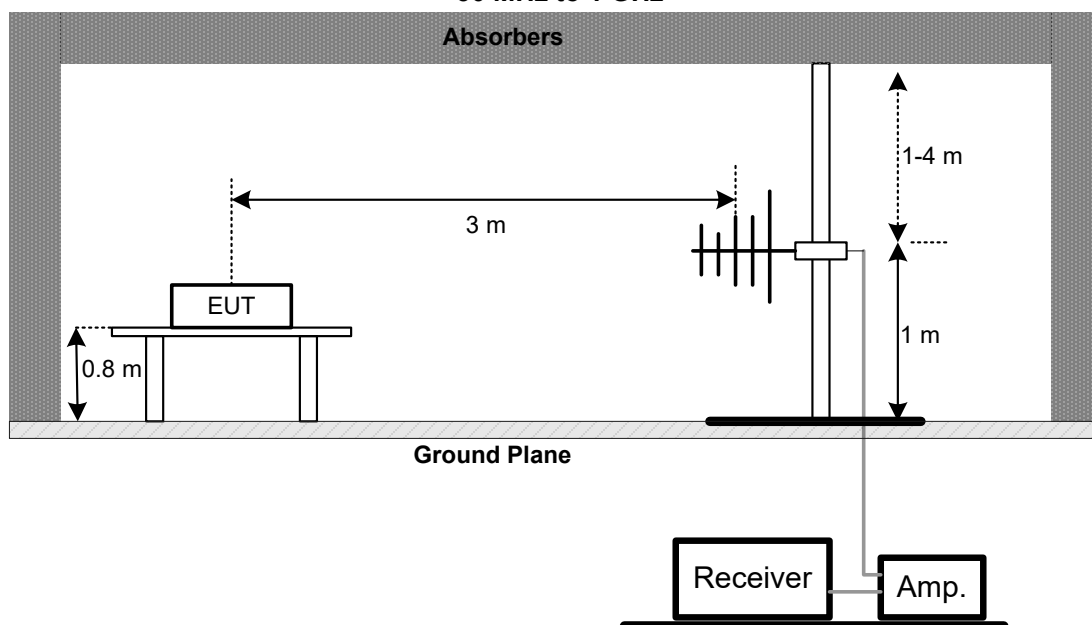
No deviation.

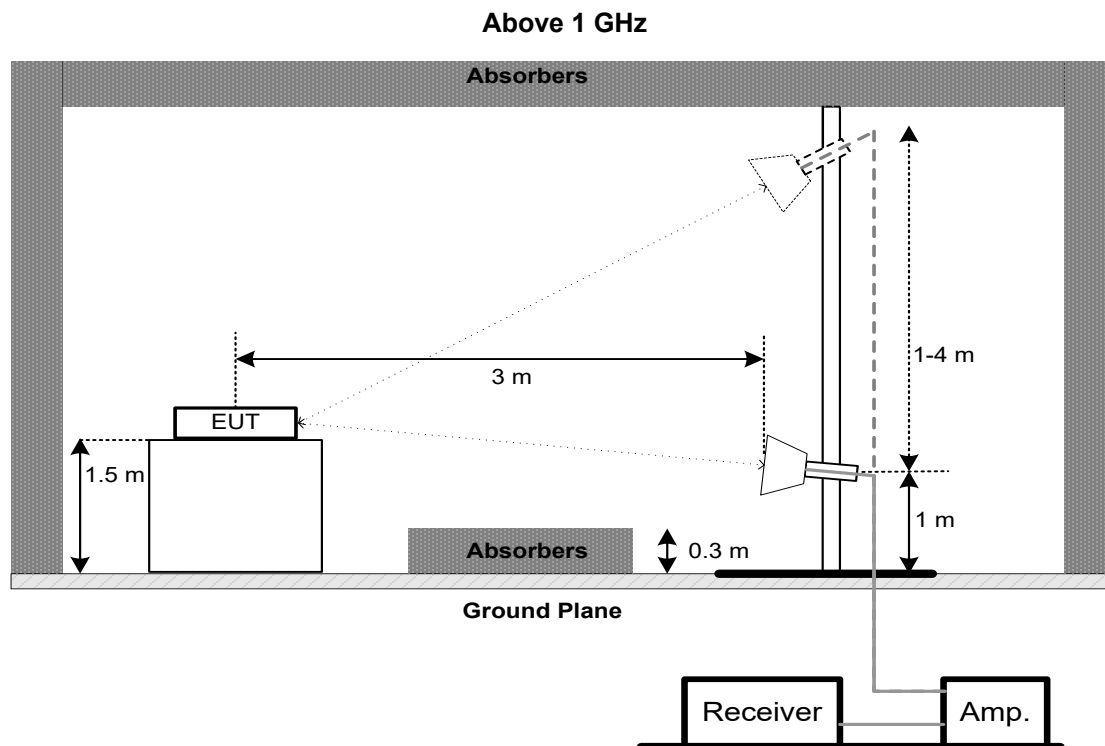
4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH

5.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	26 dB Bandwidth	-	5470-5725

5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below

b. Spectrum Setting:

For UNII-2C:

Spectrum Parameter	Setting
Span Frequency	> 26 dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Occupied Bandwidth:

Spectrum Parameter	Setting
Span Frequency	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26 dB below carrier.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUN OUTPUT POWER

6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Maximum Output Power	250 mW (23.98 dBm)	5470-5725

Note:

- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10\log B$, where B is the 26dB Bandwidth in megahertz.

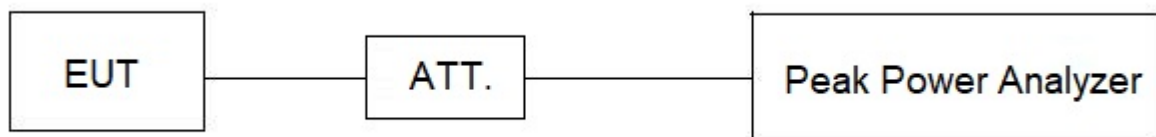
6.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY

7.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Power Spectral Density	11 dBm/MHz	5470-5725

7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:
For UNII-2C:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz.
VBW	3 MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. FREQUENCY STABILITY

8.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(g)	Frequency Stability	An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.	5470-5725

8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

b. Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

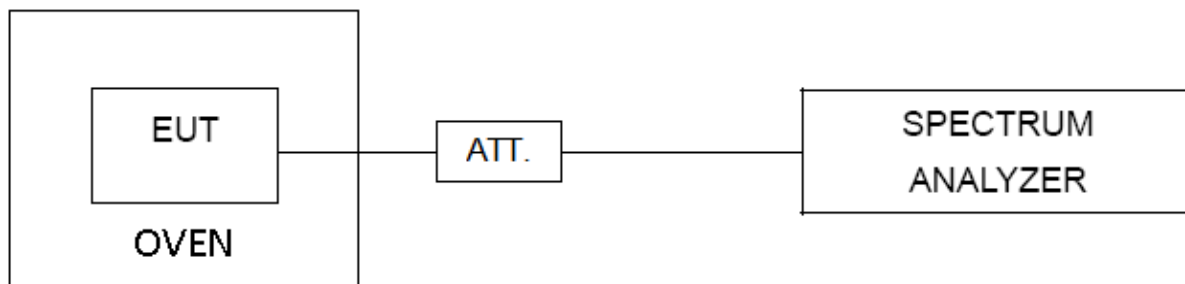
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is -5°C~45°C.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Horn Antenna	ARA	DRG-118A	16554	Apr. 18, 2023
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	May 27, 2023
3	Amplifier	Agilent	8449B	3008A02584	Jul. 03, 2023
4	Controller	CT	SC100	N/A	N/A
5	Controller	MF	MF-7802	MF780208416	N/A
6	Receiver	Agilent	N9038A	MY52130039	Jan. 22, 2023
7	EXA Spectrum Analyzer	Keysight	N9010A	MY56480488	Jan. 22, 2023
8*	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330-K	619413	Jul. 16, 2023
9	Cable	Talent microwave	A81-SMAMSMAM-12.5M	N/A	Oct. 15, 2022
10	Cable	Talent microwave	A40-2.92M2.92M-2.5M	N/A	Nov. 30, 2022
11*	Band Reject Filter	Micro-Tronics	BRC50704-01	8	Feb. 27, 2024
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
13	966 Chamber Room	RM	9*6*6	N/A	Jul. 24, 2022 Jul. 25, 2023

Bandwidth & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 03, 2023
2	Attenuator	WOKEN	6SM3502	VAS1214NL	N/A
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jul. 03, 2023
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 03, 2023
3	Attenuator	WOKEN	6SM3502	VAS1214NL	N/A
4	RF Cable	Tongkaichuan	N/A	N/A	N/A

Frequency Stability					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 03, 2023
2	Precision Oven Tester	CEPREI	CEEC-M64T-40	15-008	Jan. 22, 2023
3	Attenuator	WOKEN	6SM3502	VAS1214NL	N/A
4	RF Cable	Tongkaichuan	N/A	N/A	N/A
5	DC Block	Mini	N/A	N/A	N/A

Remark: "N/A" denotes no model name, serial no. or calibration specified.

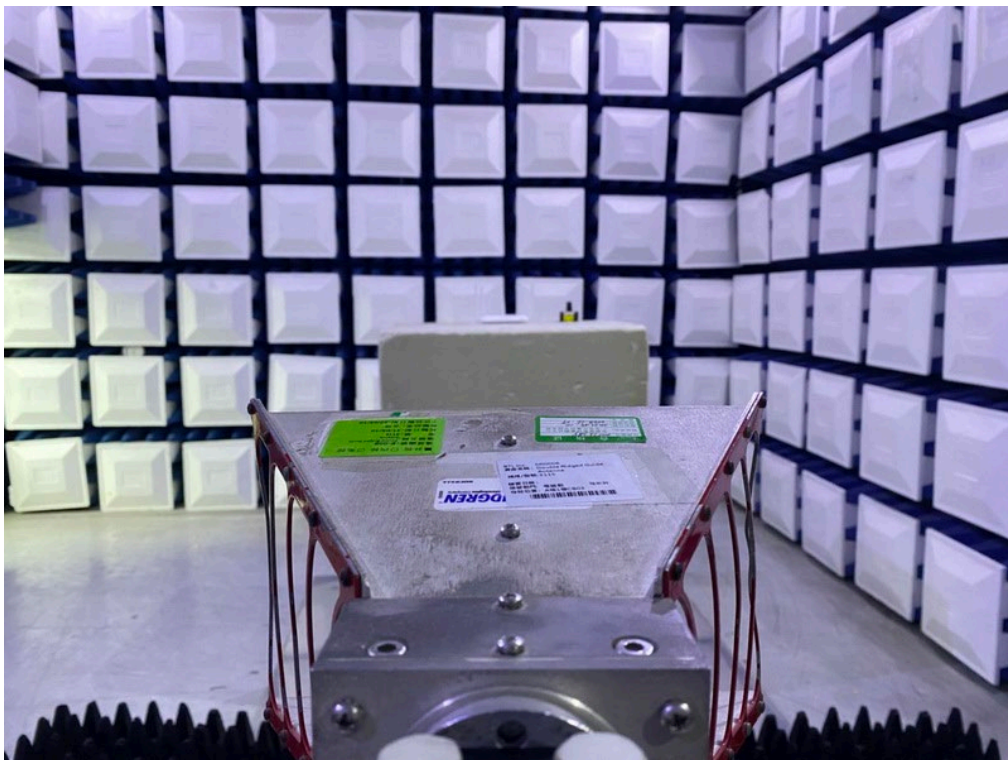
"**" calibration period of equipment list is three year.

Except * item, all calibration period of equipment list is one year.

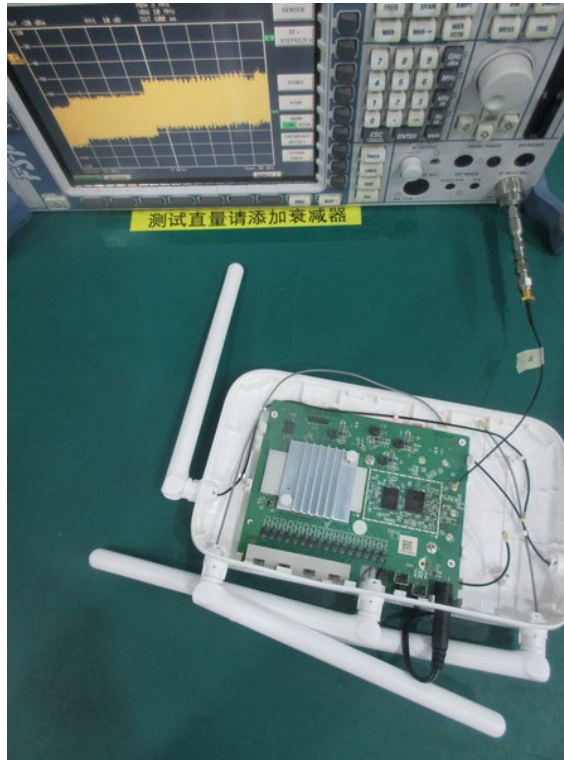
10. EUT TEST PHOTOS

Radiated Emissions Test Photos

Above 1 GHz



Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode: PASS

Note: Test results please refer to original report(BTL-FCCP-2-2204C161).

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode: PASS

Note: Test results please refer to original report(BTL-FCCP-2-2204C161).

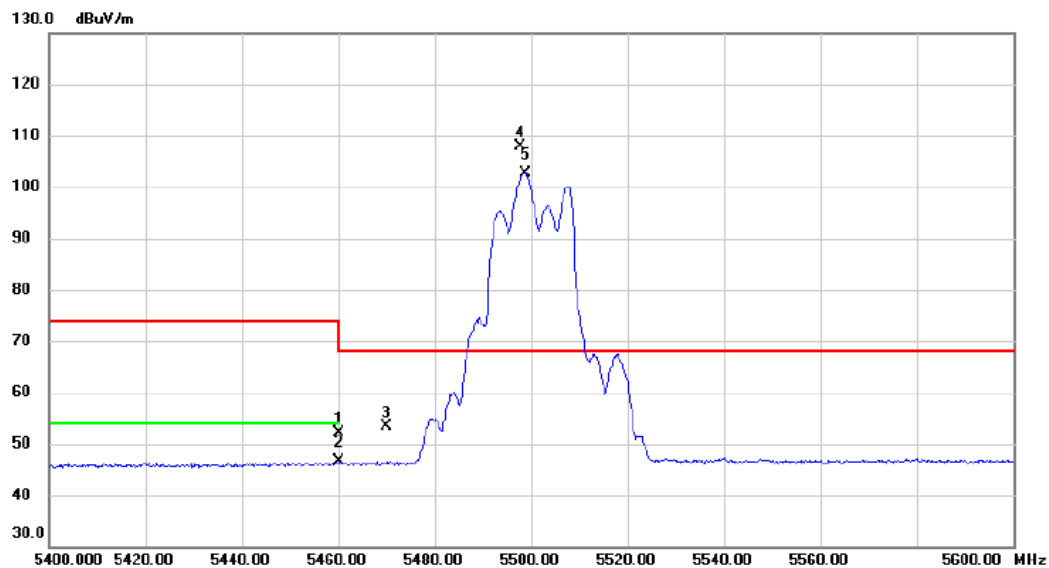
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode: N/A

Note: Test results please refer to original report(BTL-FCCP-2-2204C161).

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Vertical
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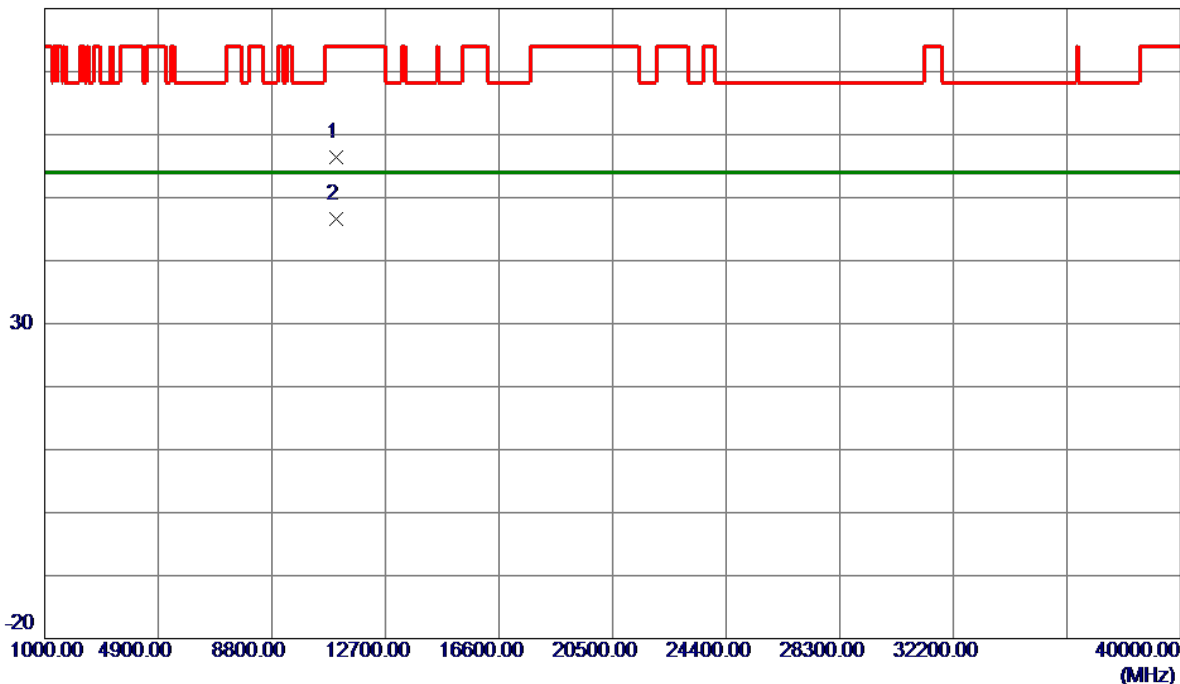
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	36.35	15.69	52.04	74.00	-21.96	peak	
2		5460.000	30.94	15.69	46.63	54.00	-7.37	AVG	
3		5470.000	37.67	15.70	53.37	68.20	-14.83	peak	
4	*	5497.600	92.10	15.77	107.87	68.20	39.67	peak	No Limit
5	X	5498.800	86.95	15.77	102.72	68.20	34.52	AVG	No Limit

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Vertical
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80 dBuV/m



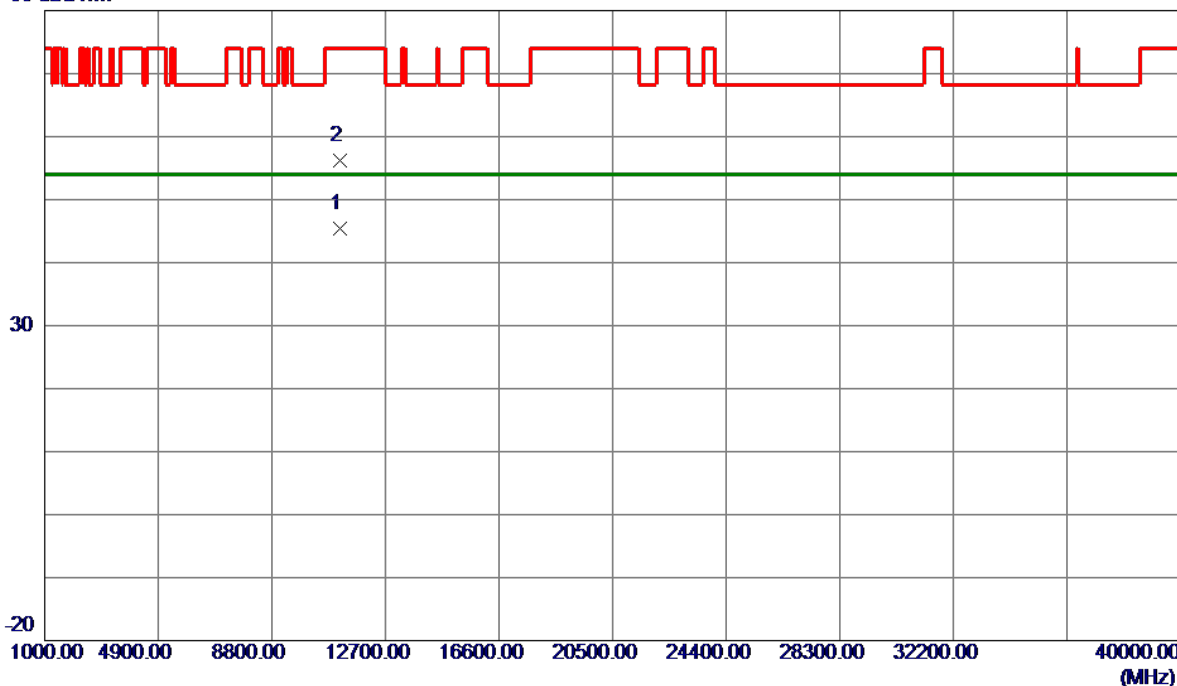
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10997.7400	44.11	12.24	56.35	74.00	-17.65	Peak	
2 *	10998.5400	34.38	12.24	46.62	54.00	-7.38	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX A Mode 5580 MHz	Polarization	Vertical
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80 dBuV/m

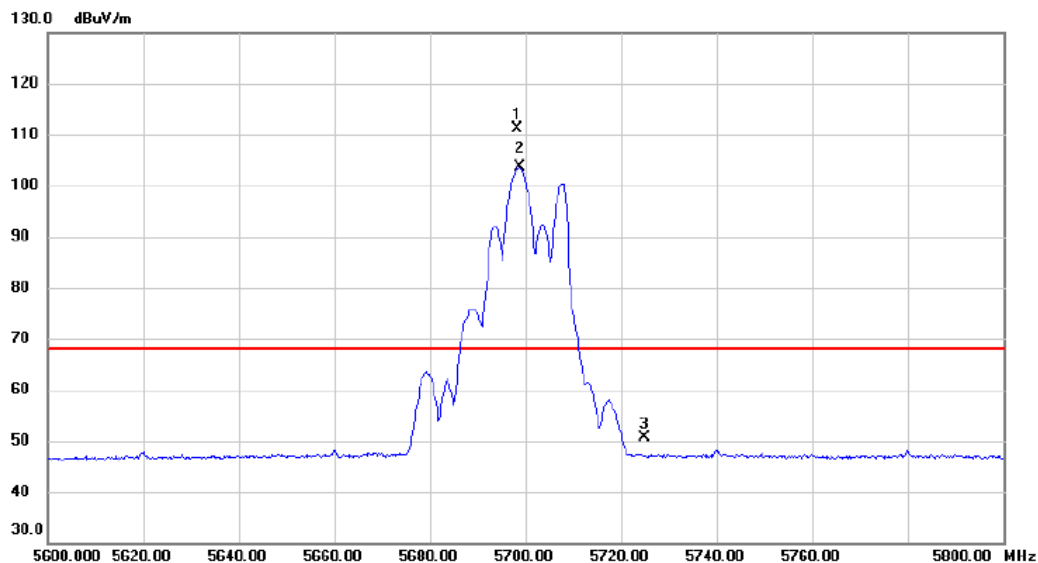


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11157.9600	41.09	4.35	45.44	54.00	-8.56	AVG	
2	11158.8000	51.86	4.35	56.21	74.00	-17.79	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Vertical
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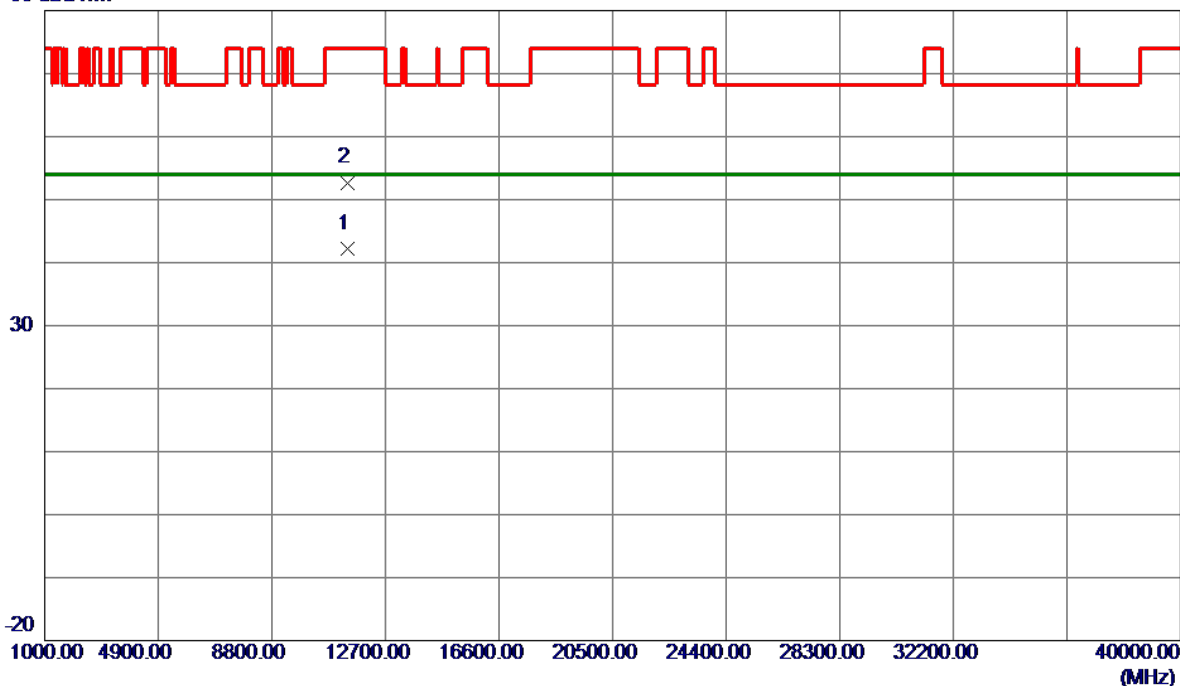
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5698.400	94.96	16.20	111.16	68.20	42.96	peak	No Limit
2	X	5698.800	87.34	16.20	103.54	68.20	35.34	AVG	No Limit
3		5725.000	34.49	16.24	50.73	68.20	-17.47	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Vertical
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80 dBuV/m

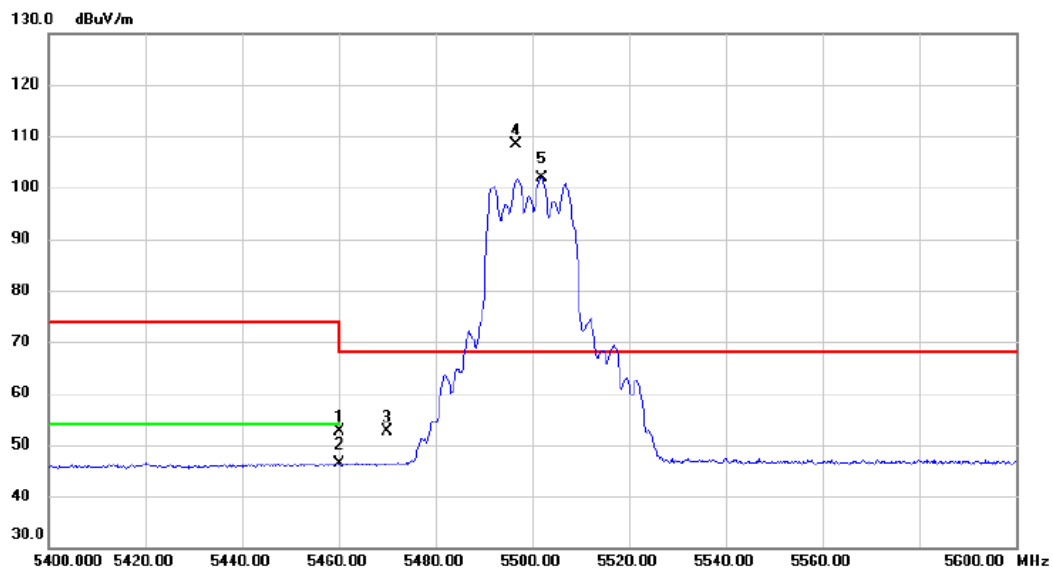


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11396.5400	29.59	12.59	42.18	54.00	-11.82	AVG	
2	11398.2600	40.11	12.59	52.70	74.00	-21.30	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Vertical
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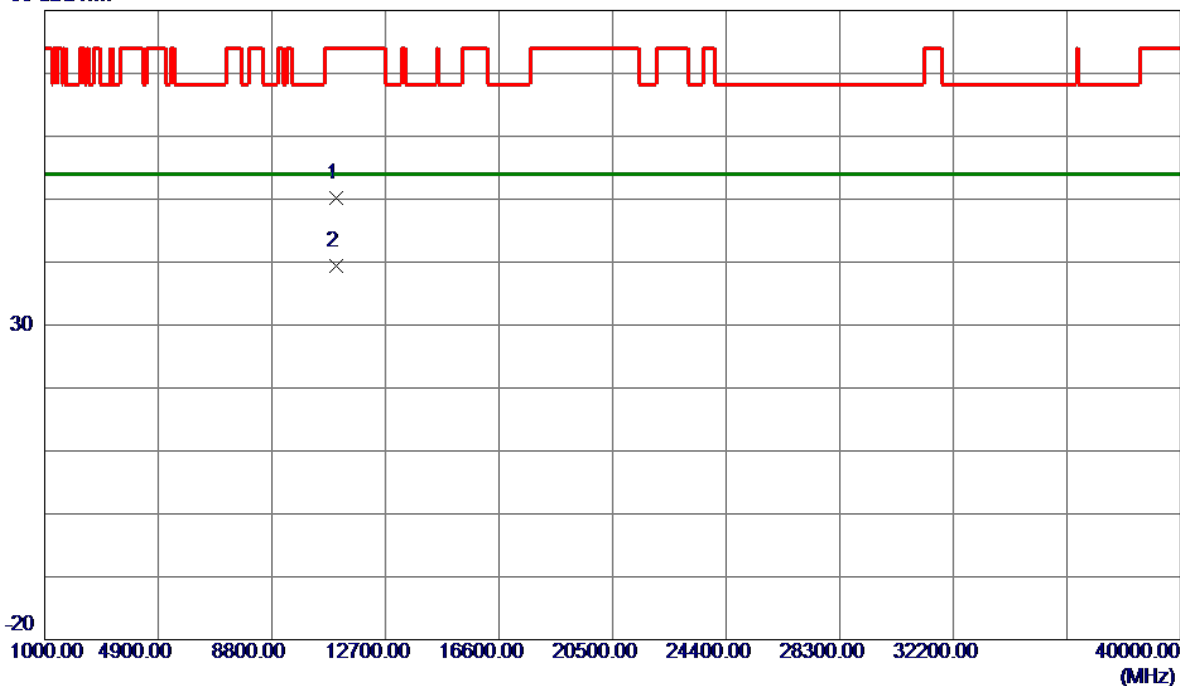
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	37.00	15.69	52.69	74.00	-21.31	peak	
2		5460.000	30.70	15.69	46.39	54.00	-7.61	AVG	
3		5470.000	36.92	15.70	52.62	68.20	-15.58	peak	
4	*	5496.600	92.70	15.76	108.46	68.20	40.26	peak	No Limit
5	X	5502.000	86.20	15.77	101.97	68.20	33.77	AVG	No Limit

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT20) Mode 5500 MHz	Polarization	Vertical
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80 dBuV/m



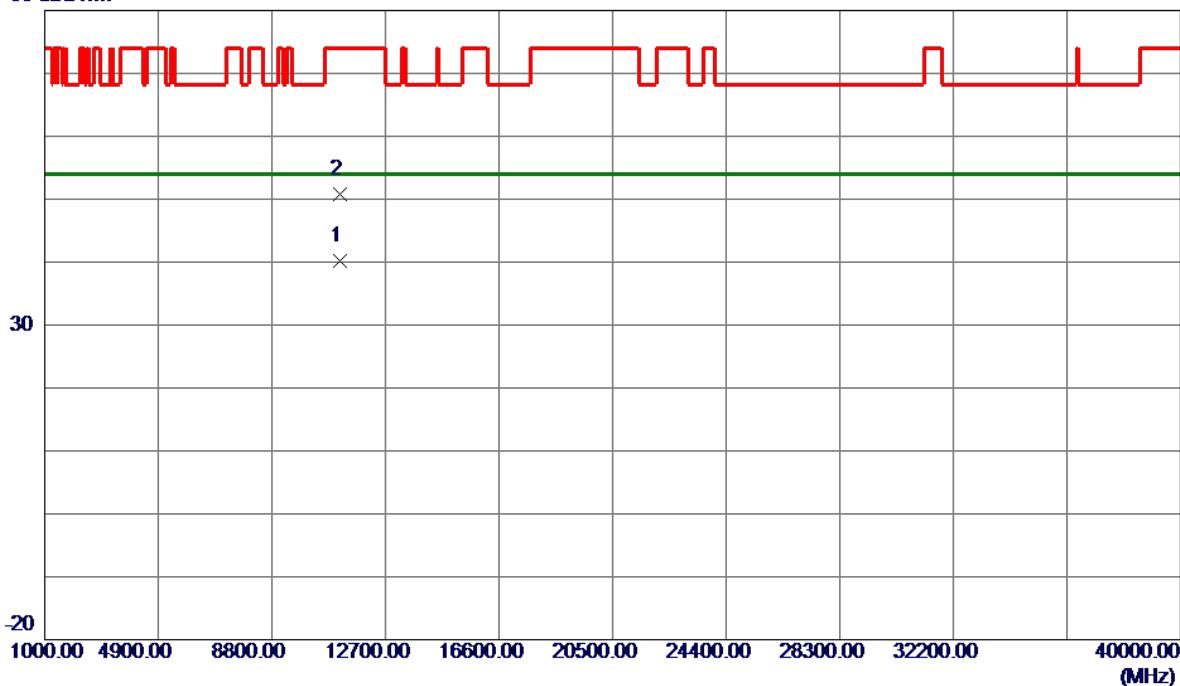
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11006.7000	37.91	12.25	50.16	74.00	-23.84	Peak	
2 *	11007.8200	27.20	12.25	39.45	54.00	-14.55	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT20) Mode 5580 MHz	Polarization	Vertical
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80 dBuV/m

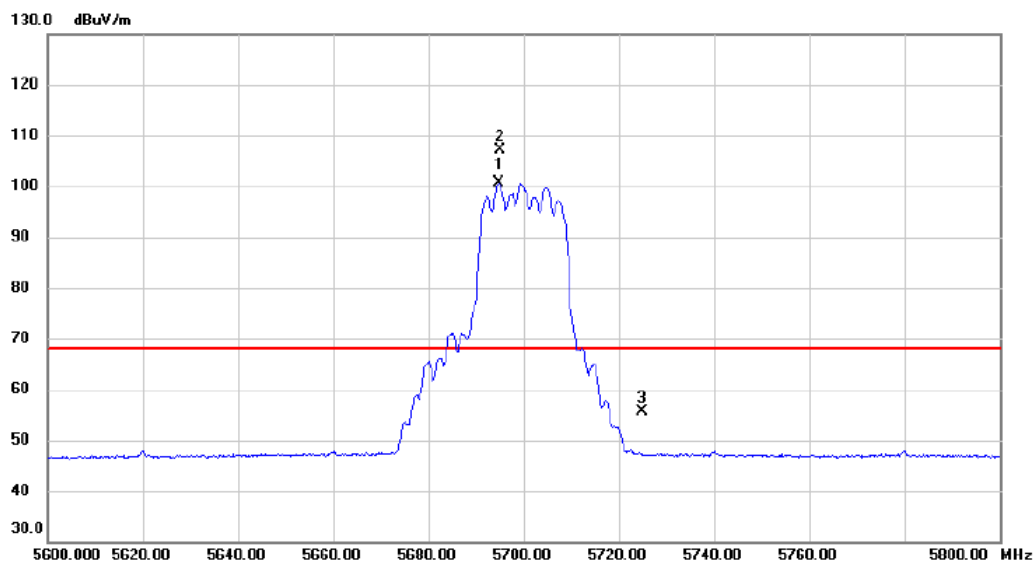


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11150.0599	27.88	12.37	40.25	54.00	-13.75	AVG	
2	11156.9000	38.40	12.38	50.78	74.00	-23.22	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 MHz	Polarization	Vertical
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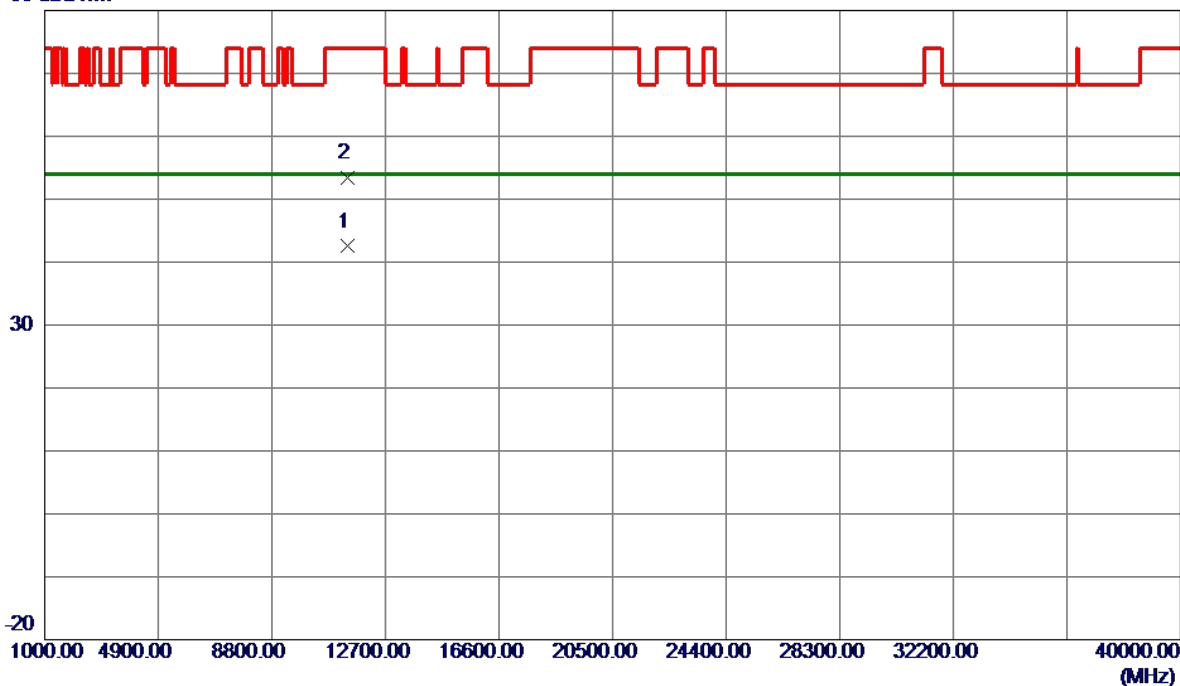
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5694.800	90.06	10.46	100.52	68.20	32.32	AVG	No Limit
2	*	5695.200	96.61	10.46	107.07	68.20	38.87	peak	No Limit
3		5725.000	45.01	10.53	55.54	68.20	-12.66	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT20) Mode 5700 MHz	Polarization	Vertical
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80 dBuV/m

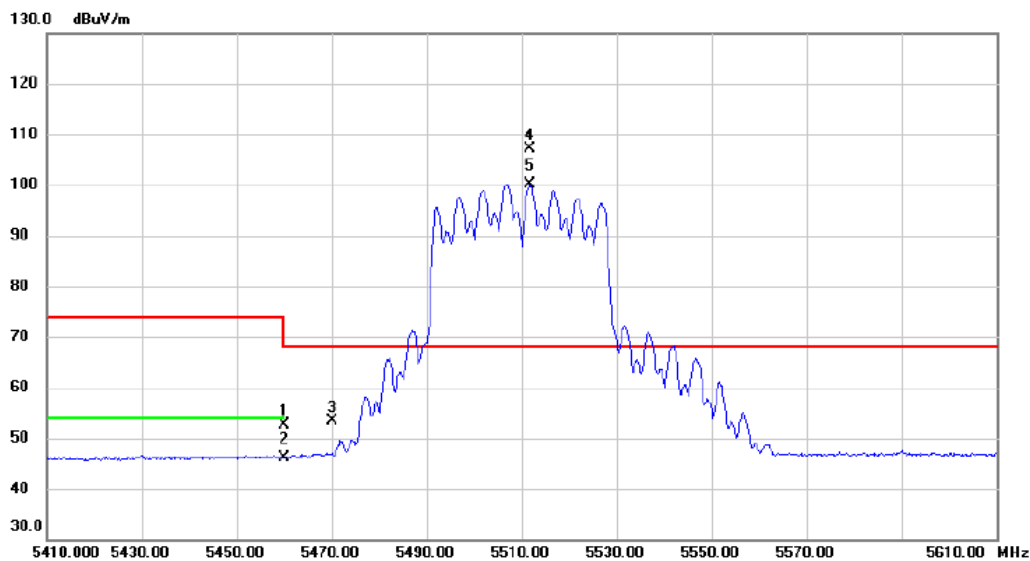


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11401.4200	29.90	12.60	42.50	54.00	-11.50	AVG	
2	11405.9200	40.87	12.60	53.47	74.00	-20.53	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT40) Mode 5510 MHz	Polarization	Vertical
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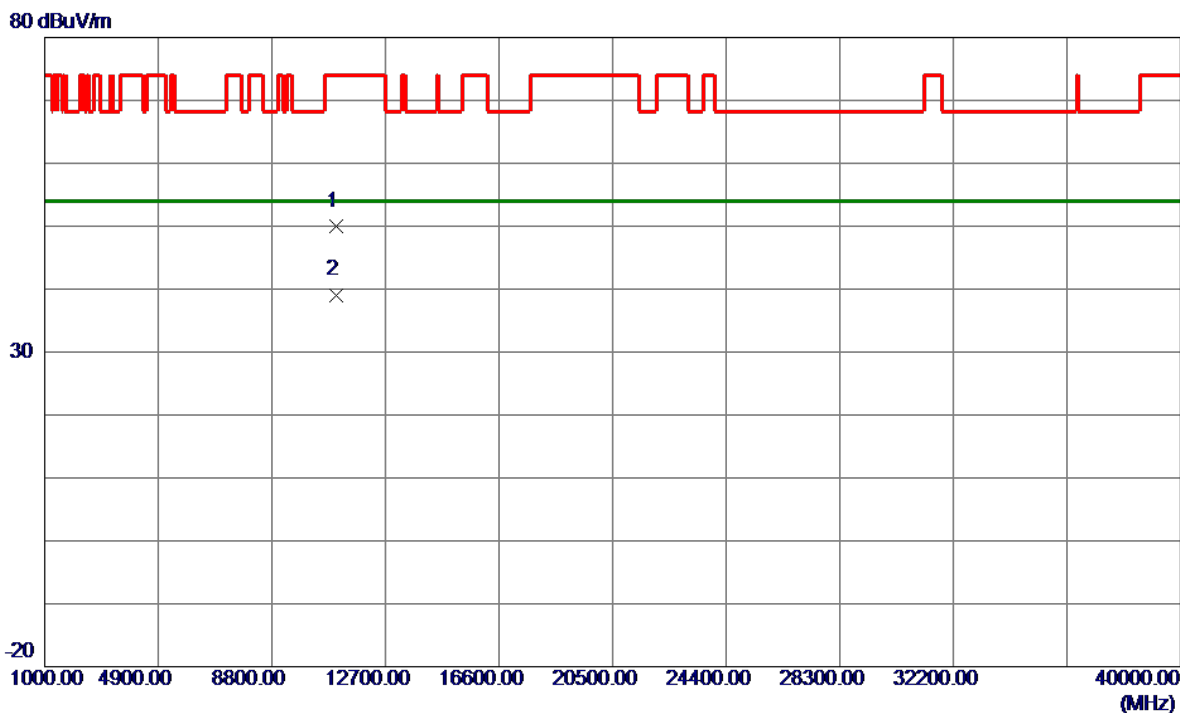
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	37.06	15.69	52.75	74.00	-21.25	peak	
2		5460.000	30.53	15.69	46.22	54.00	-7.78	AVG	
3		5470.000	37.60	15.70	53.30	68.20	-14.90	peak	
4	*	5511.600	91.28	15.78	107.06	68.20	38.86	peak	No Limit
5	X	5511.800	84.28	15.78	100.06	68.20	31.86	AVG	No Limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT40) Mode 5510 MHz	Polarization	Vertical
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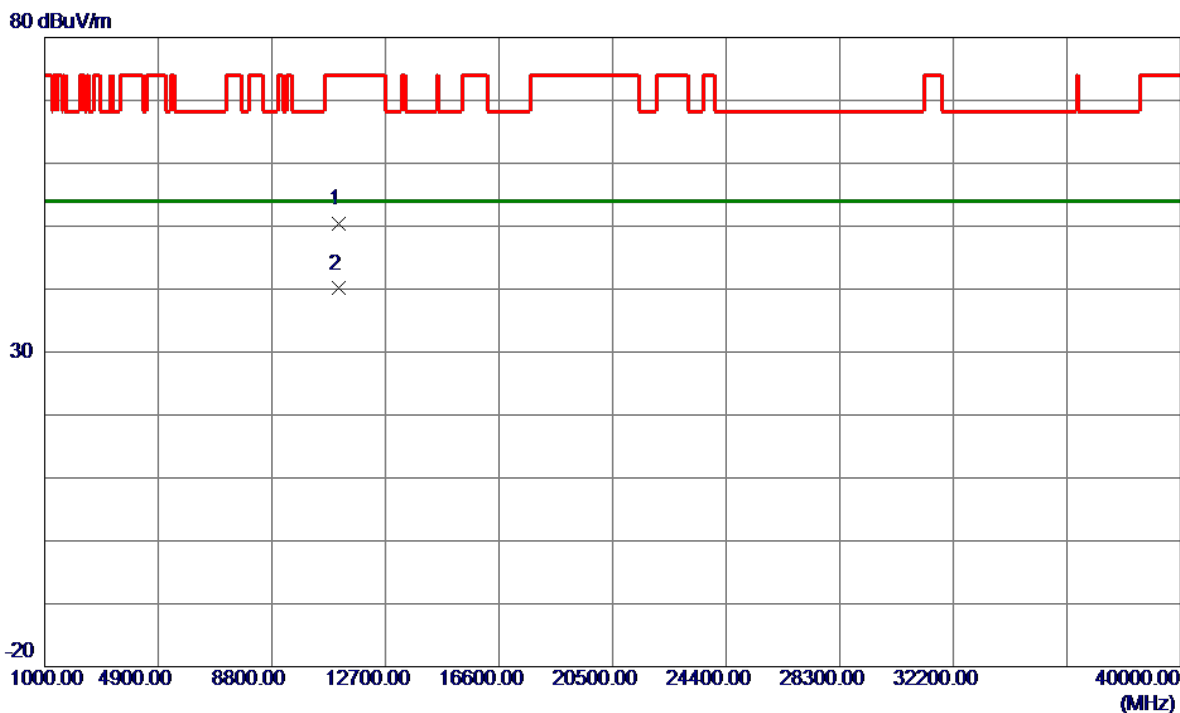


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11012.4000	37.70	12.25	49.95	74.00	-24.05	Peak	
2 *	11016.4200	26.85	12.25	39.10	54.00	-14.90	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT40) Mode 5550 MHz	Polarization	Vertical
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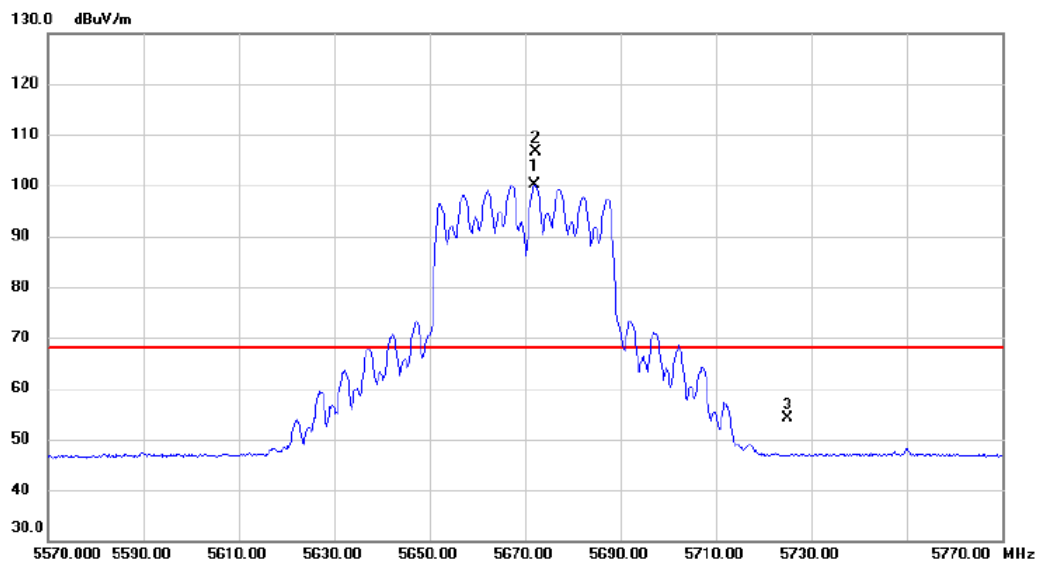


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11104.1800	38.07	12.33	50.40	74.00	-23.60	Peak	
2 *	11105.7600	27.77	12.33	40.10	54.00	-13.90	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 MHz	Polarization	Vertical
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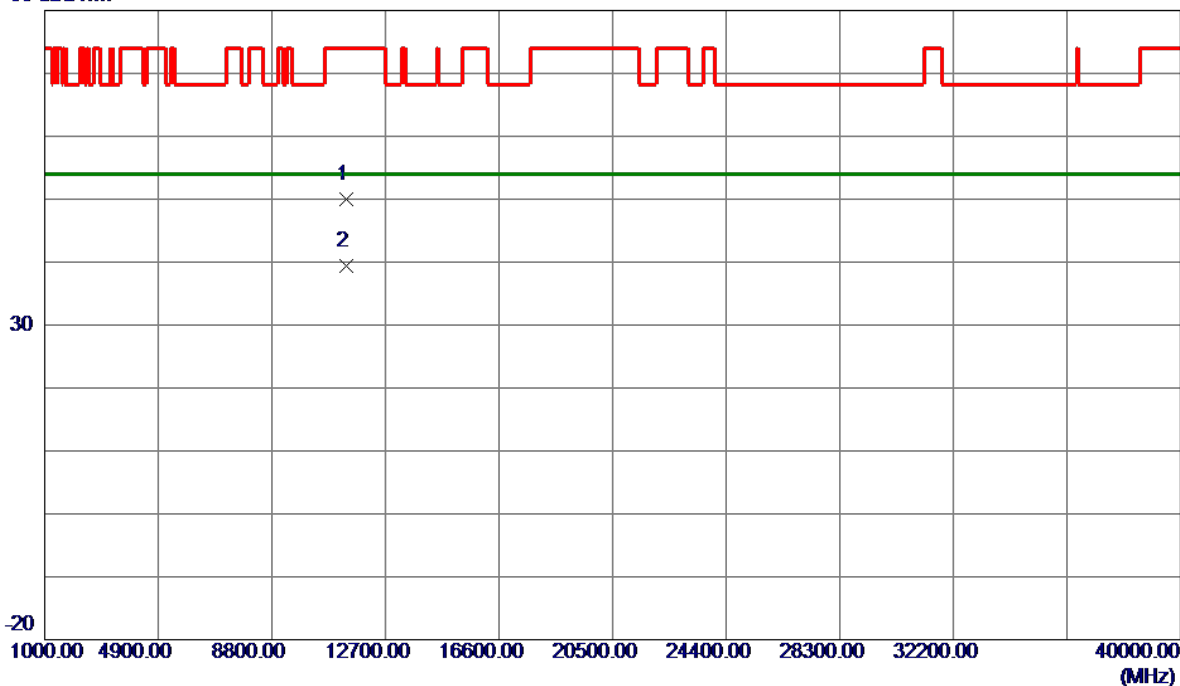
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5672.000	83.91	16.13	100.04	68.20	31.84	AVG	No Limit
2	*	5672.200	90.56	16.14	106.70	68.20	38.50	peak	No Limit
3		5725.000	37.84	16.24	54.08	68.20	-14.12	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT40) Mode 5670 MHz	Polarization	Vertical
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80 dBuV/m

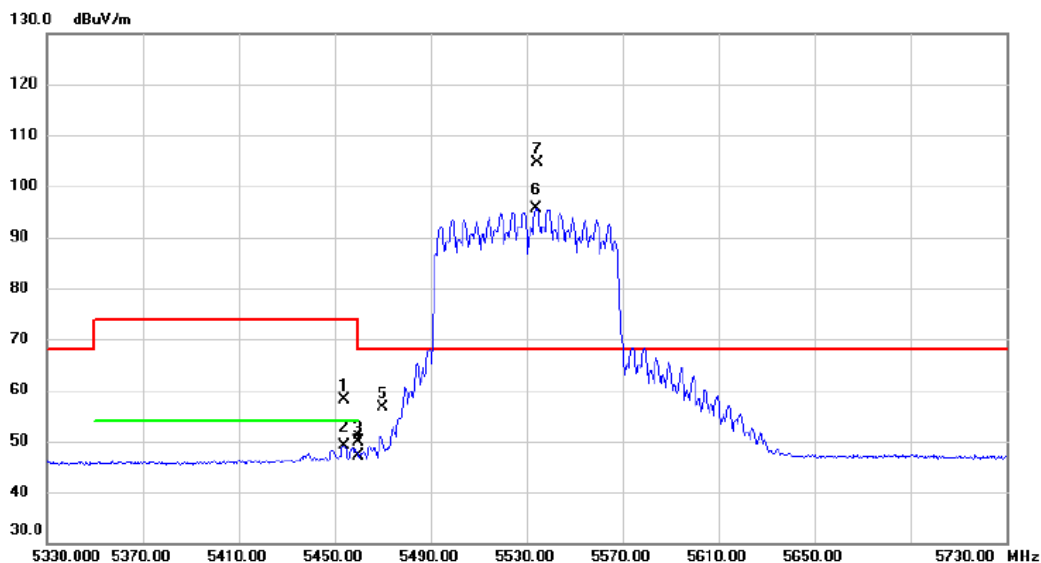


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11340.5599	37.55	12.54	50.09	74.00	-23.91	Peak	
2 *	11345.3800	26.91	12.55	39.46	54.00	-14.54	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT80) Mode 5530 MHz	Polarization	Vertical
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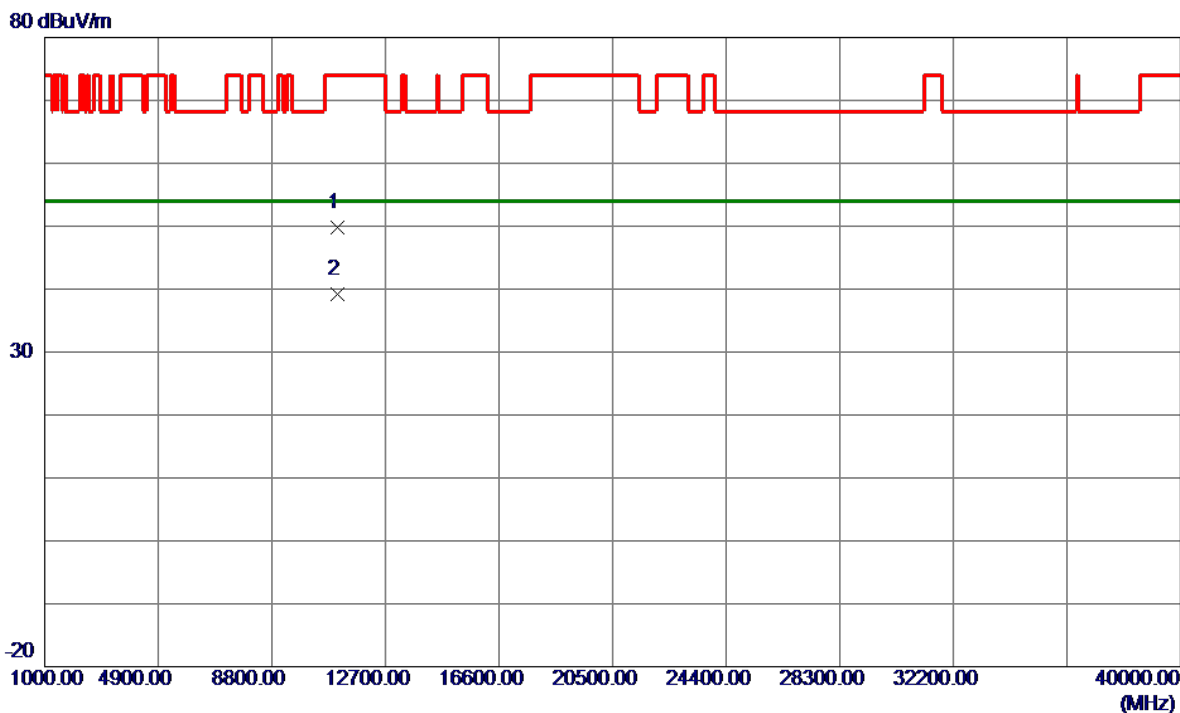


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5454.000	42.47	15.68	58.15	74.00	-15.85	peak	
2		5454.000	33.51	15.68	49.19	54.00	-4.81	AVG	
3		5460.000	34.19	15.69	49.88	74.00	-24.12	peak	
4		5460.000	31.34	15.69	47.03	54.00	-6.97	AVG	
5		5470.000	40.83	15.70	56.53	68.20	-11.67	peak	
6	X	5534.000	79.85	15.83	95.68	68.20	27.48	AVG	No Limit
7	*	5534.400	88.71	15.83	104.54	68.20	36.34	peak	No Limit

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT80) Mode 5530 MHz	Polarization	Vertical
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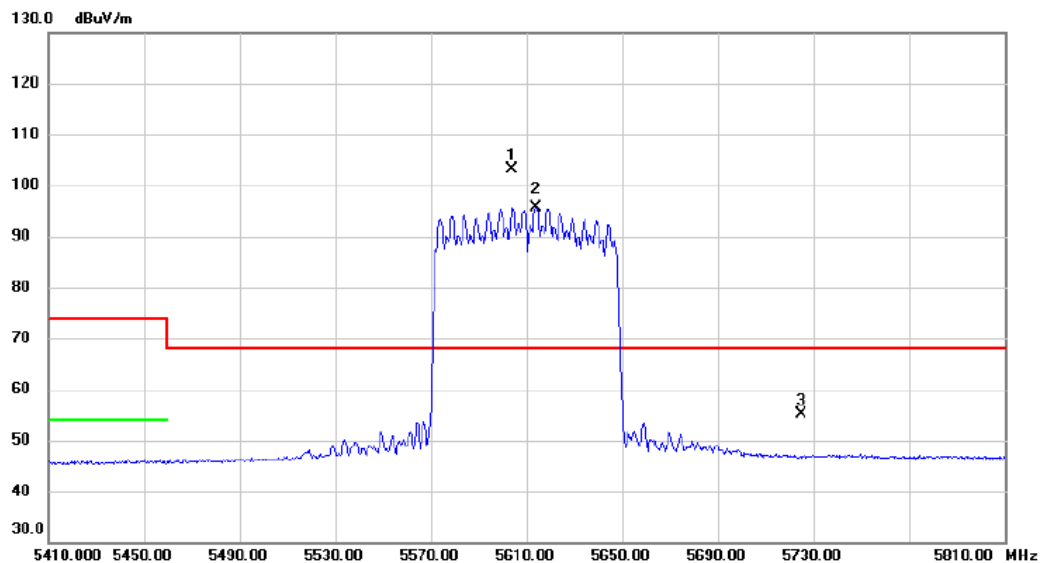


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11061.3800	45.59	4.26	49.85	74.00	-24.15	Peak	
2 *	11066.5800	34.85	4.27	39.12	54.00	-14.88	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT80) Mode 5610 MHz	Polarization	Vertical
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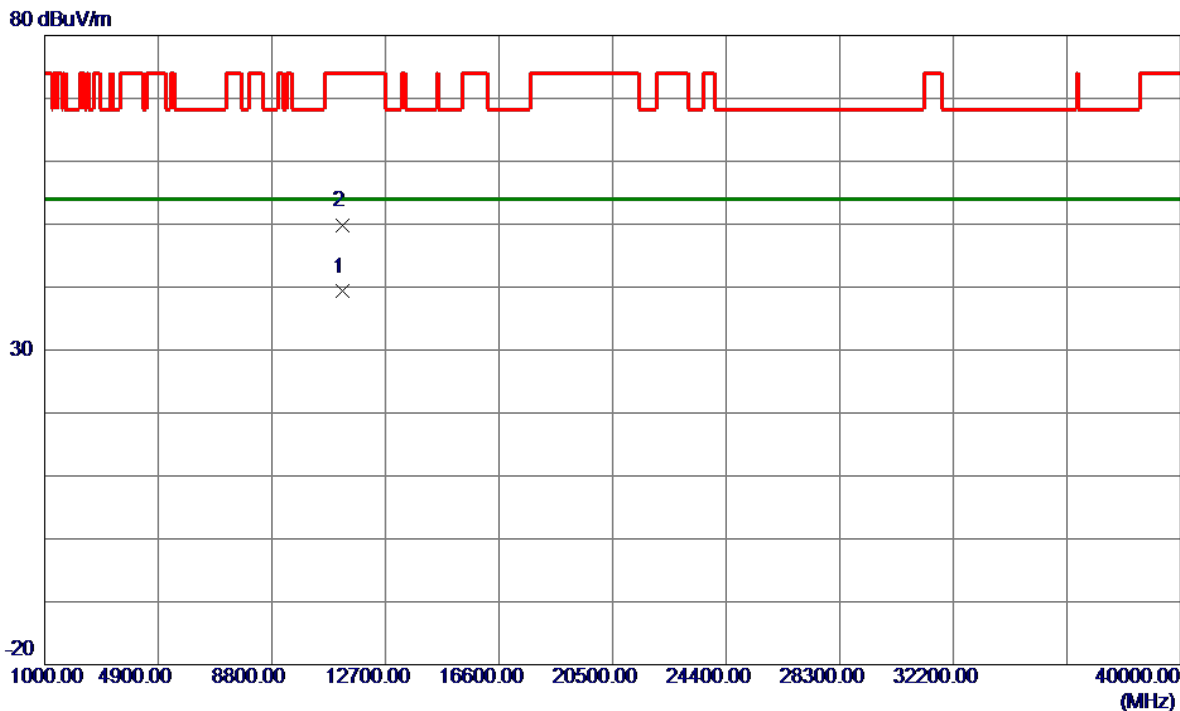


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5603.600	87.17	15.99	103.16	68.20	34.96	peak	No Limit
2	X	5614.000	79.68	16.01	95.69	68.20	27.49	AVG	No Limit
3		5725.000	38.78	16.24	55.02	68.20	-13.18	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AC(VHT80) Mode 5610 MHz	Polarization	Vertical
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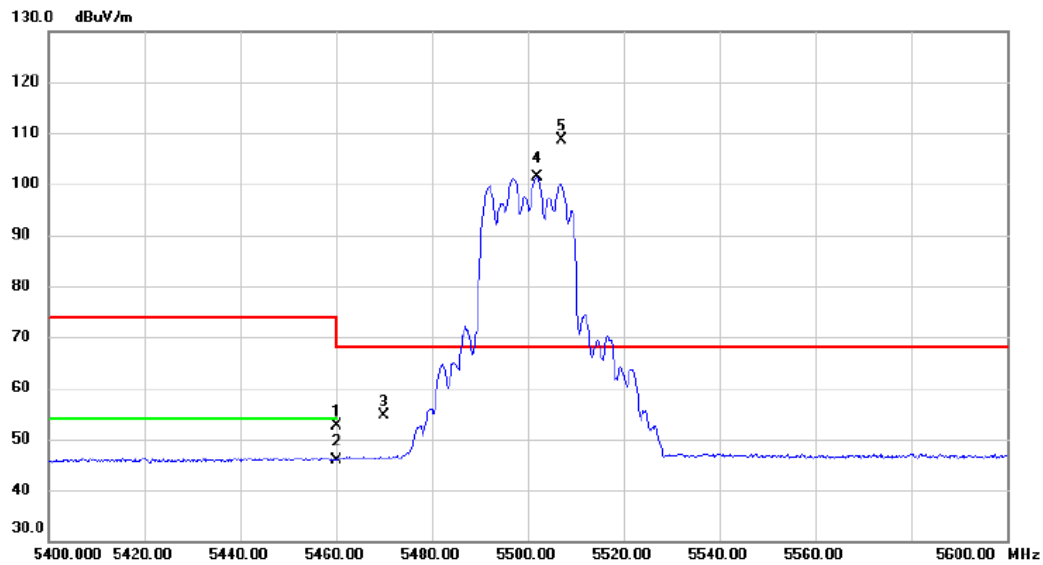


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11217.2800	26.87	12.43	39.30	54.00	-14.70	AVG	
2	11222.6000	37.41	12.44	49.85	74.00	-24.15	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE20) Mode 5500 MHz	Polarization	Vertical
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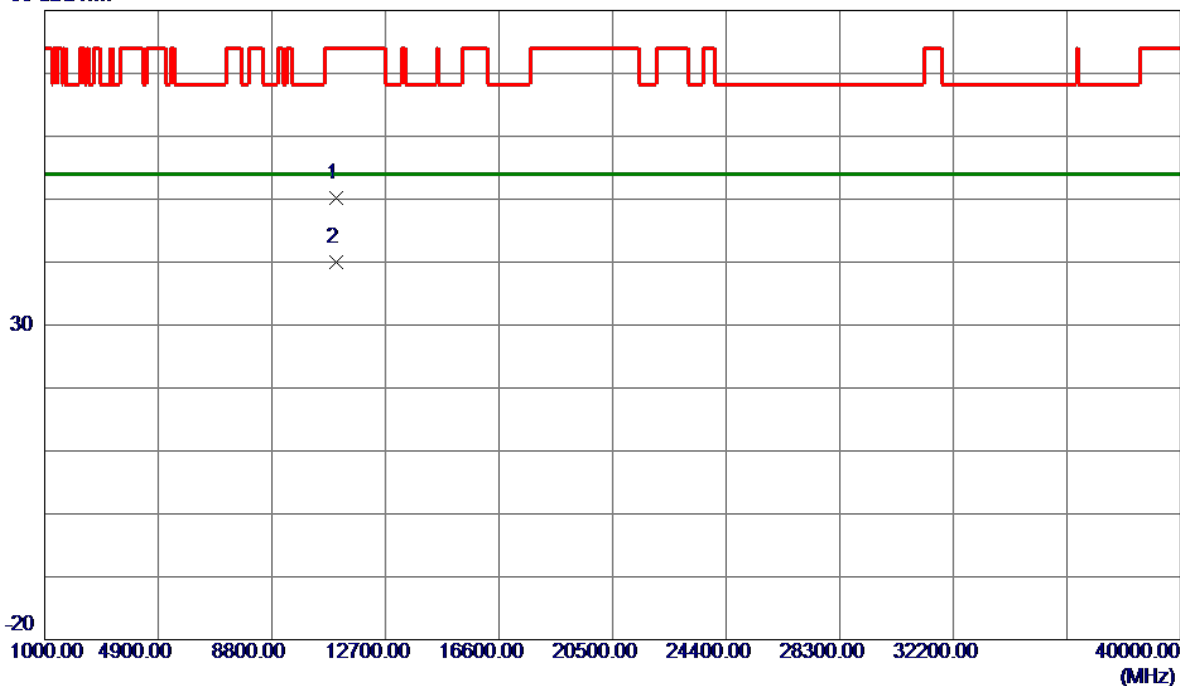
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	42.76	9.87	52.63	74.00	-21.37	peak	
2		5460.000	36.09	9.87	45.96	54.00	-8.04	AVG	
3		5470.000	44.70	9.88	54.58	68.20	-13.62	peak	
4	X	5502.000	91.43	9.93	101.36	68.20	33.16	AVG	No Limit
5	*	5507.000	98.78	9.94	108.72	68.20	40.52	peak	No Limit

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE20) Mode 5500 MHz	Polarization	Vertical
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80 dBuV/m

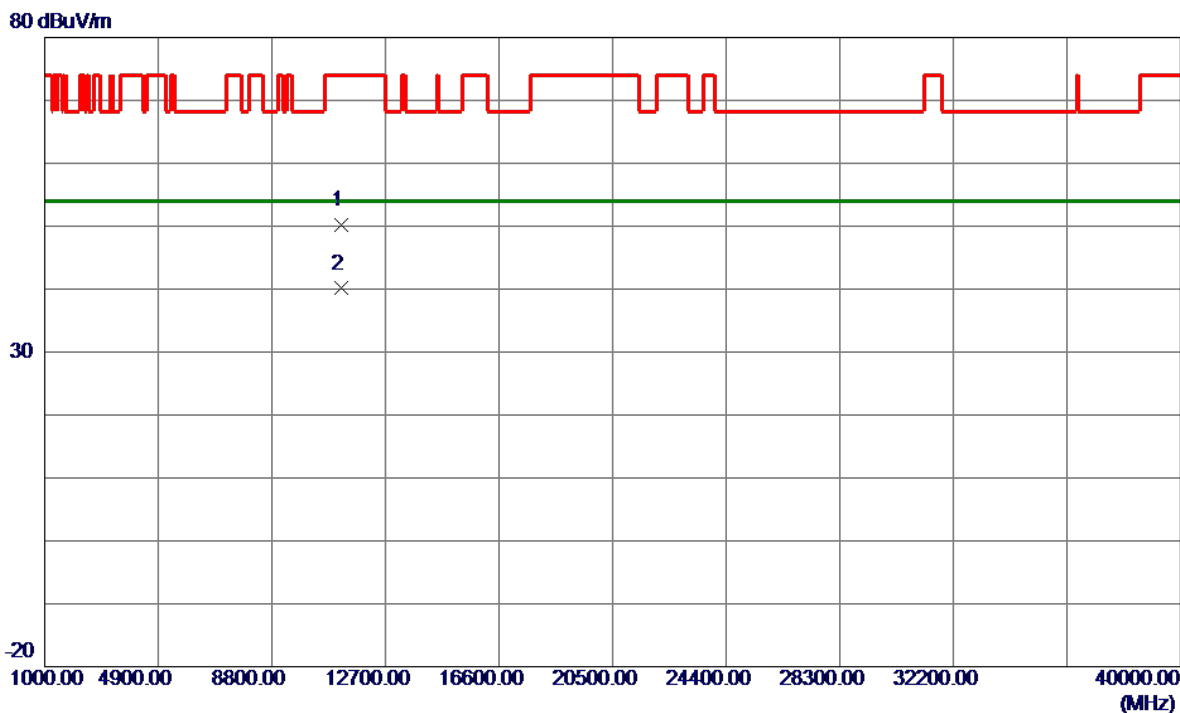


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10996.2600	37.96	12.24	50.20	74.00	-23.80	Peak	
2 *	10996.8400	27.77	12.24	40.01	54.00	-13.99	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE20) Mode 5580 MHz	Polarization	Vertical
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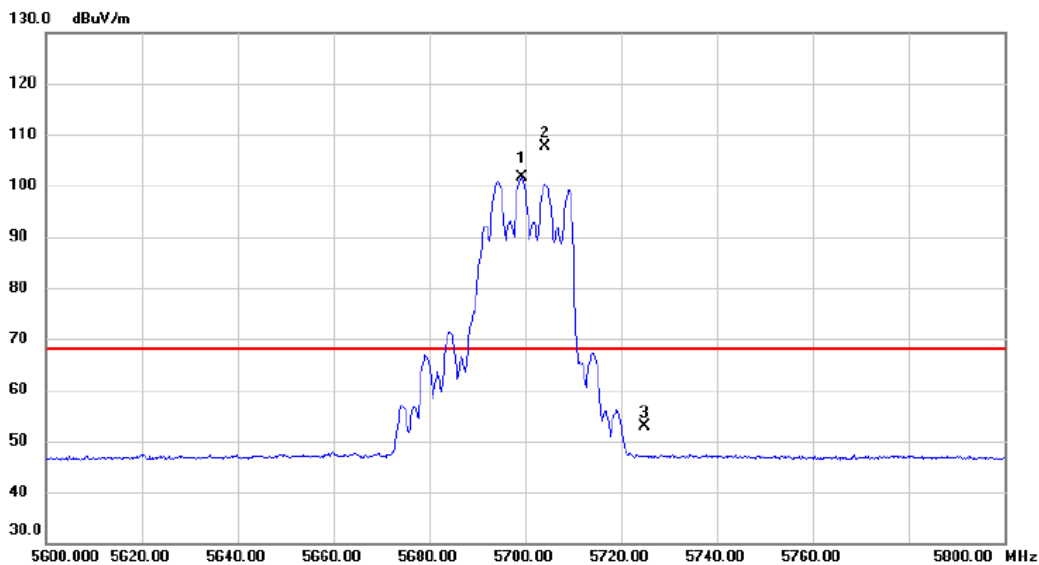


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11168.0599	37.89	12.39	50.28	74.00	-23.72	Peak	
2 *	11168.2000	27.71	12.39	40.10	54.00	-13.90	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE20) Mode 5700 MHz	Polarization	Vertical
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5699.400	85.42	16.20	101.62	68.20	33.42	AVG	No Limit
2	*	5704.200	91.54	16.20	107.74	68.20	39.54	peak	No Limit
3		5725.000	36.61	16.24	52.85	68.20	-15.35	peak	

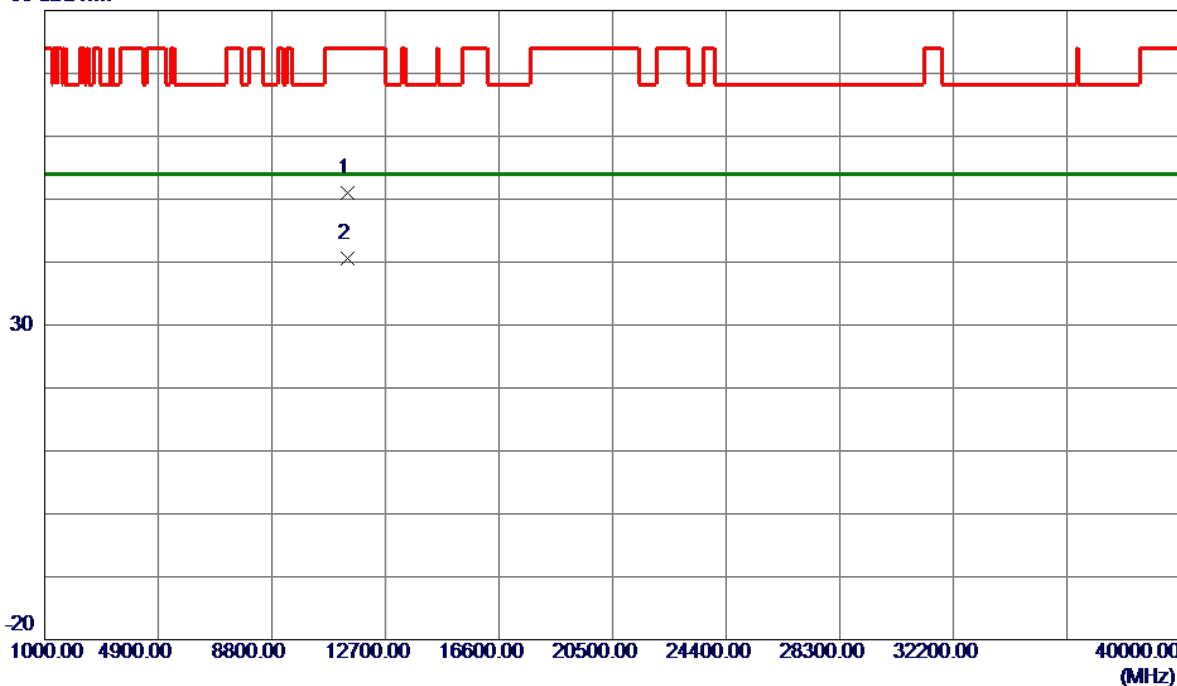
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE20) Mode 5700 MHz	Polarization	Vertical
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80 dBuV/m

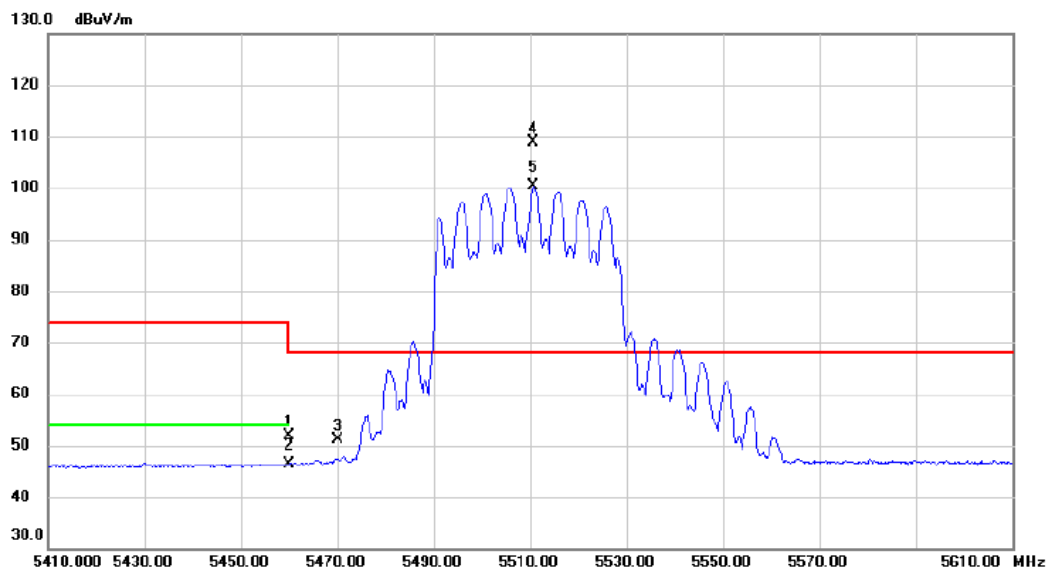


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11391.0800	38.34	12.59	50.93	74.00	-23.07	Peak	
2 *	11399.1800	27.98	12.60	40.58	54.00	-13.42	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE40) Mode 5510 MHz	Polarization	Vertical
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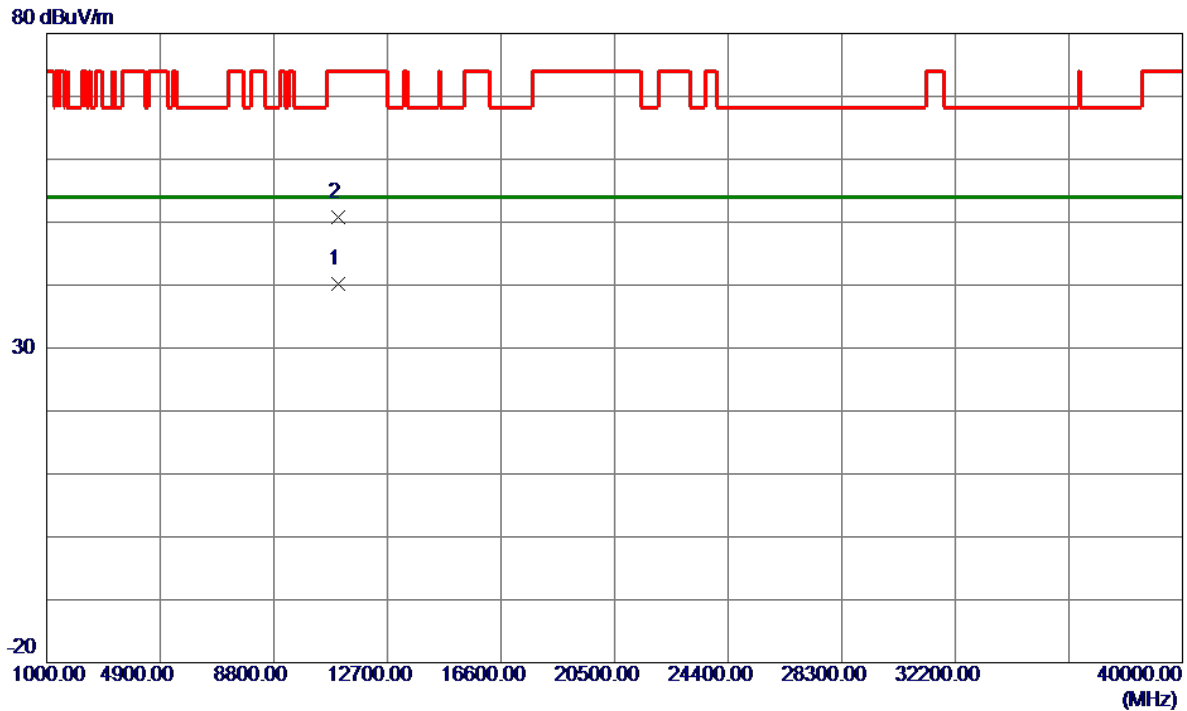
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5460.000	36.07	15.69	51.76	74.00	-22.24	peak	
2		5460.000	30.63	15.69	46.32	54.00	-7.68	AVG	
3		5470.000	35.55	15.70	51.25	68.20	-16.95	peak	
4	*	5510.600	93.16	15.78	108.94	68.20	40.74	peak	No Limit
5	X	5510.600	84.54	15.78	100.32	68.20	32.12	AVG	No Limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE40) Mode 5510 MHz	Polarization	Vertical
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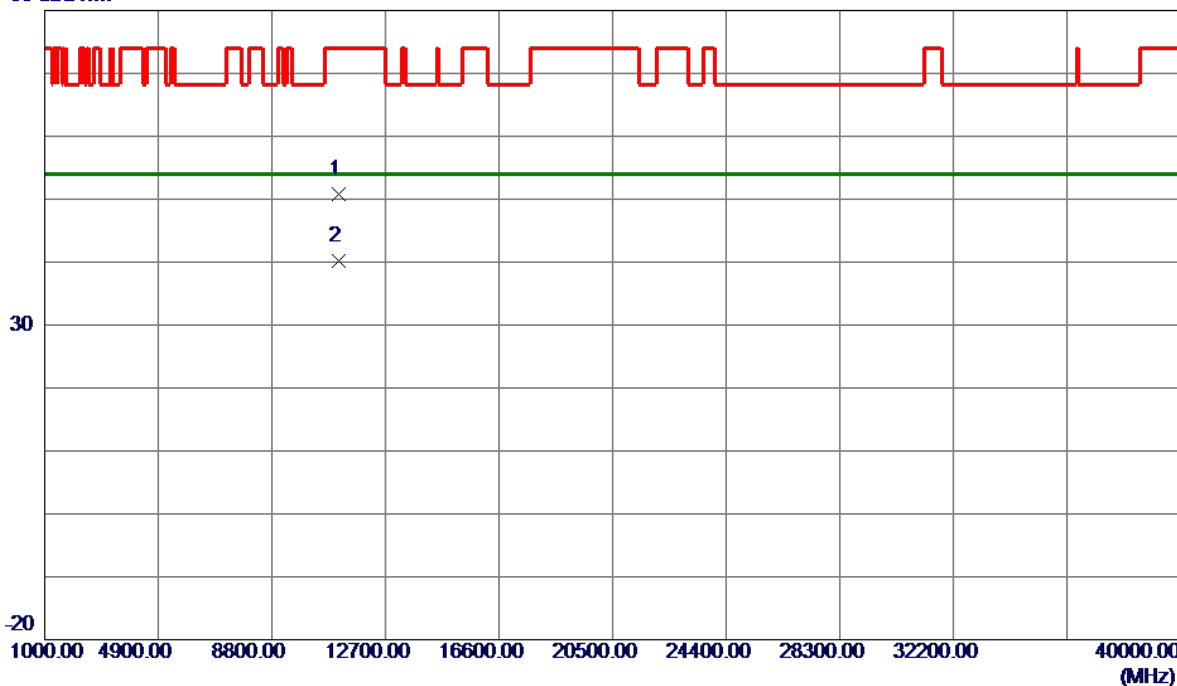
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11021.9400	35.96	4.23	40.19	54.00	-13.81	AVG	
2	11028.0599	46.54	4.23	50.77	74.00	-23.23	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE40) Mode 5550 MHz	Polarization	Vertical
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80 dBuV/m

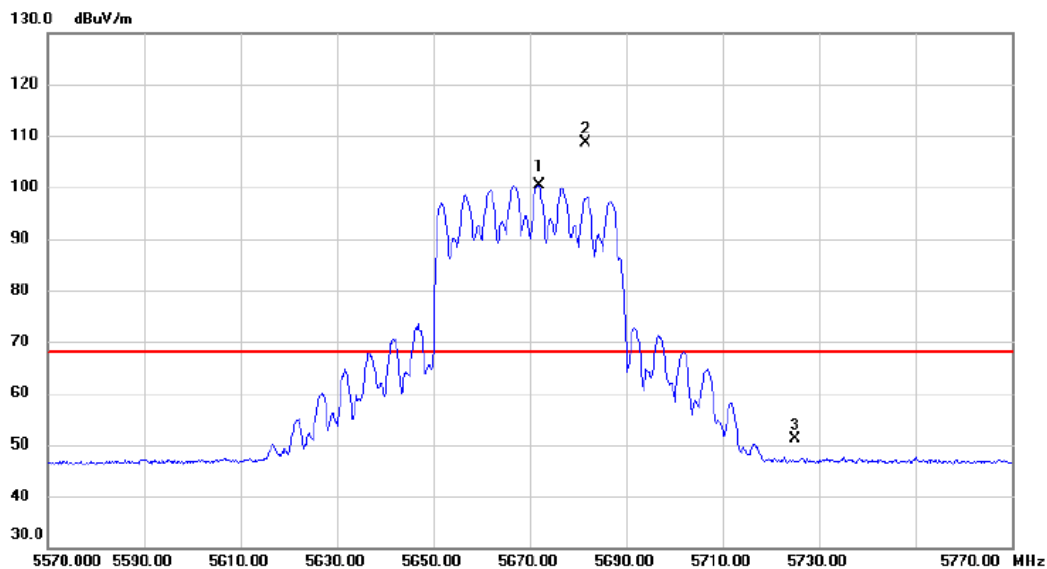


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11104.5599	38.46	12.33	50.79	74.00	-23.21	Peak	
2 *	11104.7600	27.89	12.33	40.22	54.00	-13.78	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE40) Mode 5670 MHz	Polarization	Vertical
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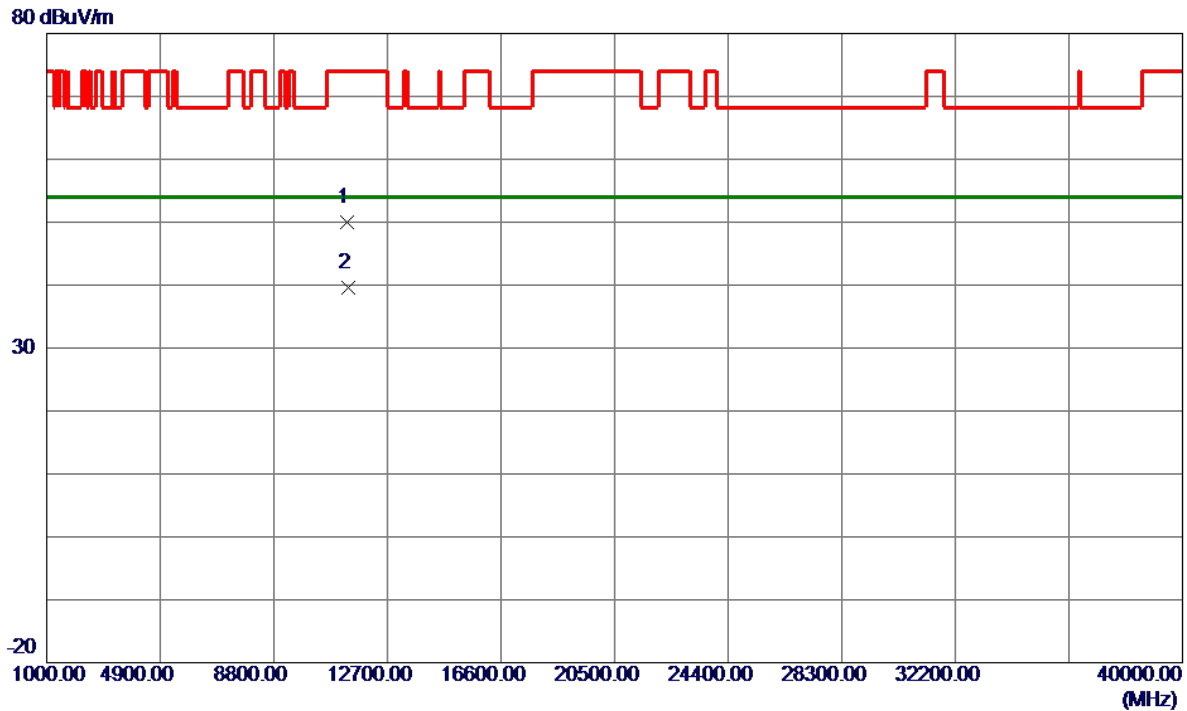
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	5672.000	84.27	16.13	100.40	68.20	32.20	AVG	No Limit
2	*	5681.600	92.40	16.16	108.56	68.20	40.36	peak	No Limit
3		5725.000	34.86	16.24	51.10	68.20	-17.10	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE40) Mode 5670 MHz	Polarization	Vertical
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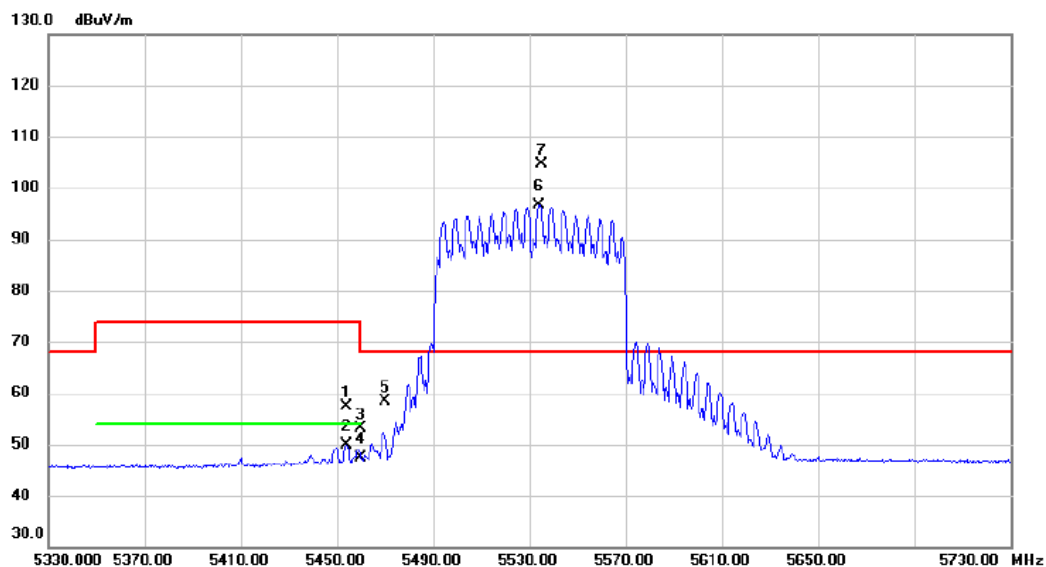


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11331.8200	37.54	12.54	50.08	74.00	-23.92	Peak	
2 *	11349.9400	26.99	12.55	39.54	54.00	-14.46	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE80) Mode 5530 MHz	Polarization	Vertical
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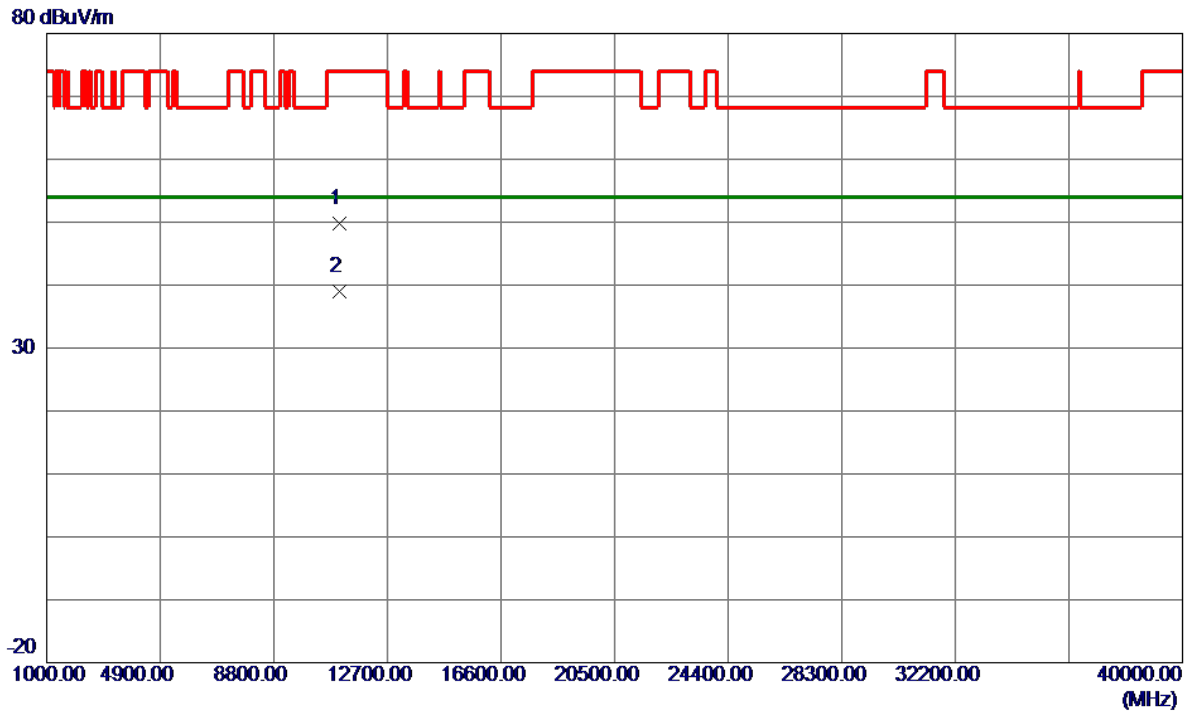


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5454.000	41.64	15.68	57.32	74.00	-16.68	peak	
2	5454.000	34.08	15.68	49.76	54.00	-4.24	AVG	
3	5460.000	37.51	15.69	53.20	74.00	-20.80	peak	
4	5460.000	31.75	15.69	47.44	54.00	-6.56	AVG	
5	5470.000	42.66	15.70	58.36	68.20	-9.84	peak	
6 X	5534.000	80.86	15.83	96.69	68.20	28.49	AVG	No Limit
7 *	5534.800	88.78	15.84	104.62	68.20	36.42	peak	No Limit

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE80) Mode 5530 MHz	Polarization	Vertical
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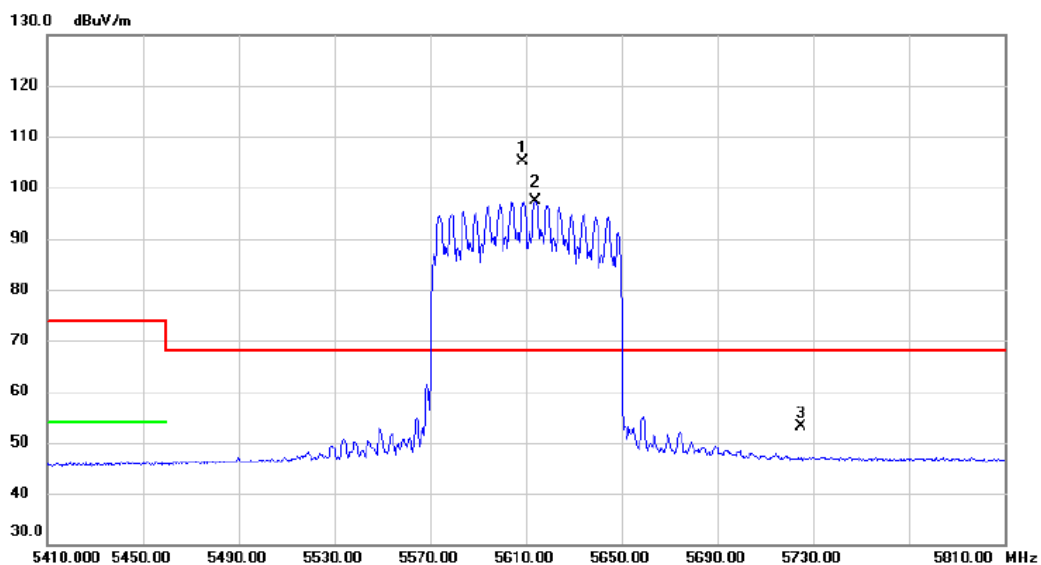


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11062.2100	37.59	12.30	49.89	74.00	-24.11	Peak	
2 *	11064.6600	26.72	12.30	39.02	54.00	-14.98	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE80) Mode 5610 MHz	Polarization	Vertical
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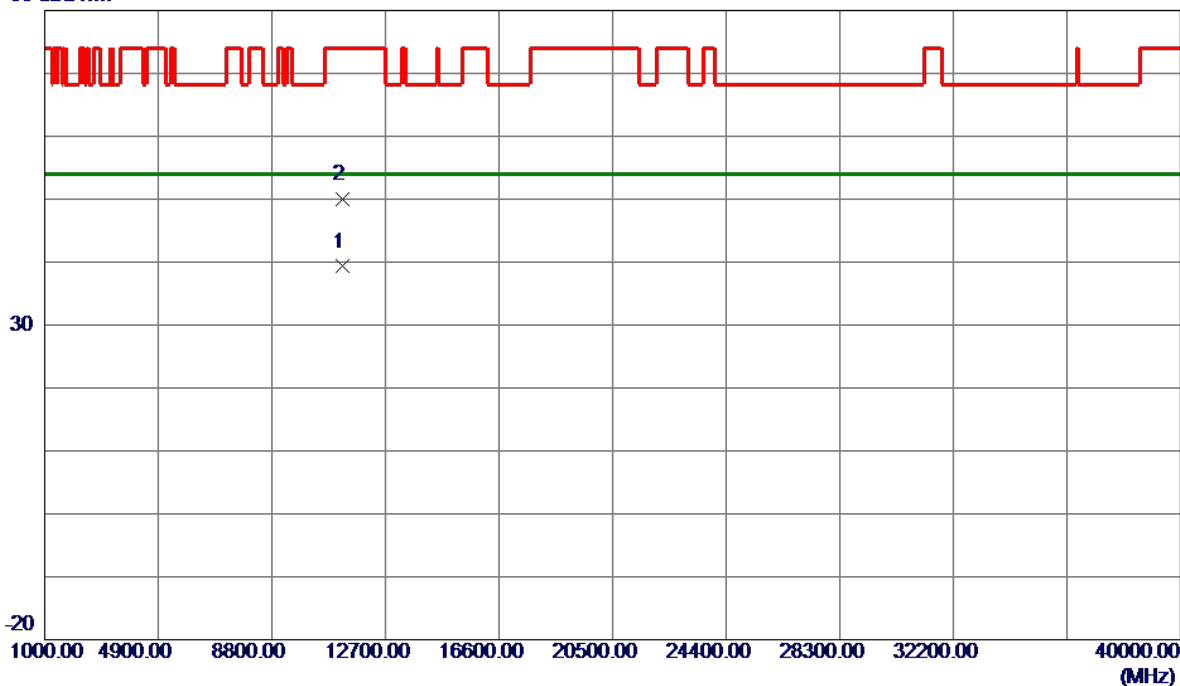
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	5608.800	89.06	16.00	105.06	68.20	36.86	peak	No Limit
2	X	5614.000	81.33	16.01	97.34	68.20	29.14	AVG	No Limit
3		5725.000	37.01	16.24	53.25	68.20	-14.95	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE80) Mode 5610 MHz	Polarization	Vertical
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80 dBuV/m

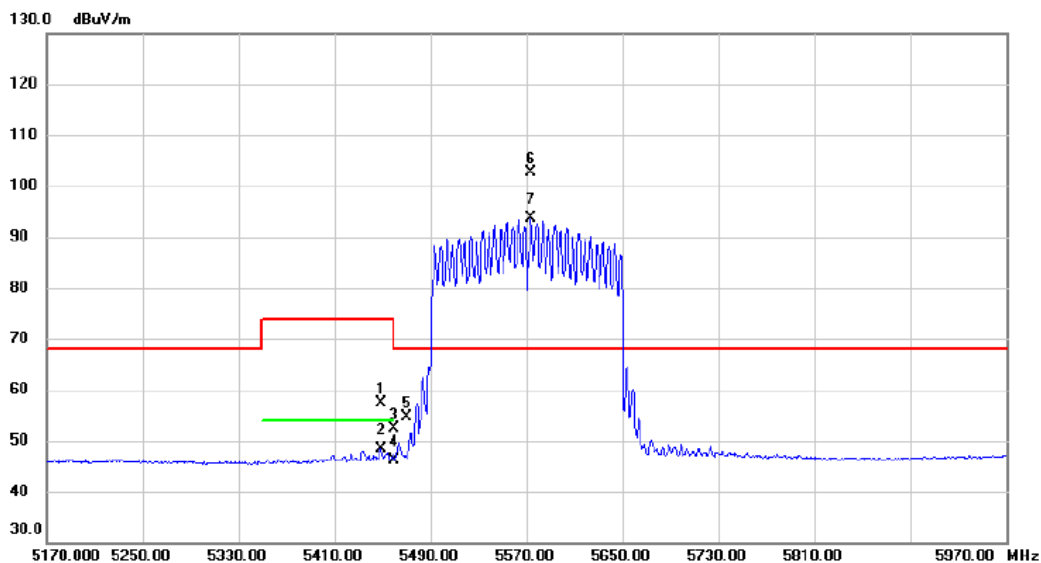


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11213.7200	26.87	12.43	39.30	54.00	-14.70	AVG	
2	11225.8600	37.48	12.44	49.92	74.00	-24.08	Peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE160) Mode 5570 MHz	Polarization	Vertical
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5449.200	41.62	15.66	57.28	74.00	-16.72	peak	
2		5449.200	32.80	15.66	48.46	54.00	-5.54	AVG	
3		5460.000	36.62	15.69	52.31	74.00	-21.69	peak	
4		5460.000	30.54	15.69	46.23	54.00	-7.77	AVG	
5		5470.000	38.96	15.70	54.66	68.20	-13.54	peak	
6	*	5574.000	86.76	15.92	102.68	68.20	34.48	peak	No Limit
7	X	5574.000	77.73	15.92	93.65	68.20	25.45	AVG	No Limit

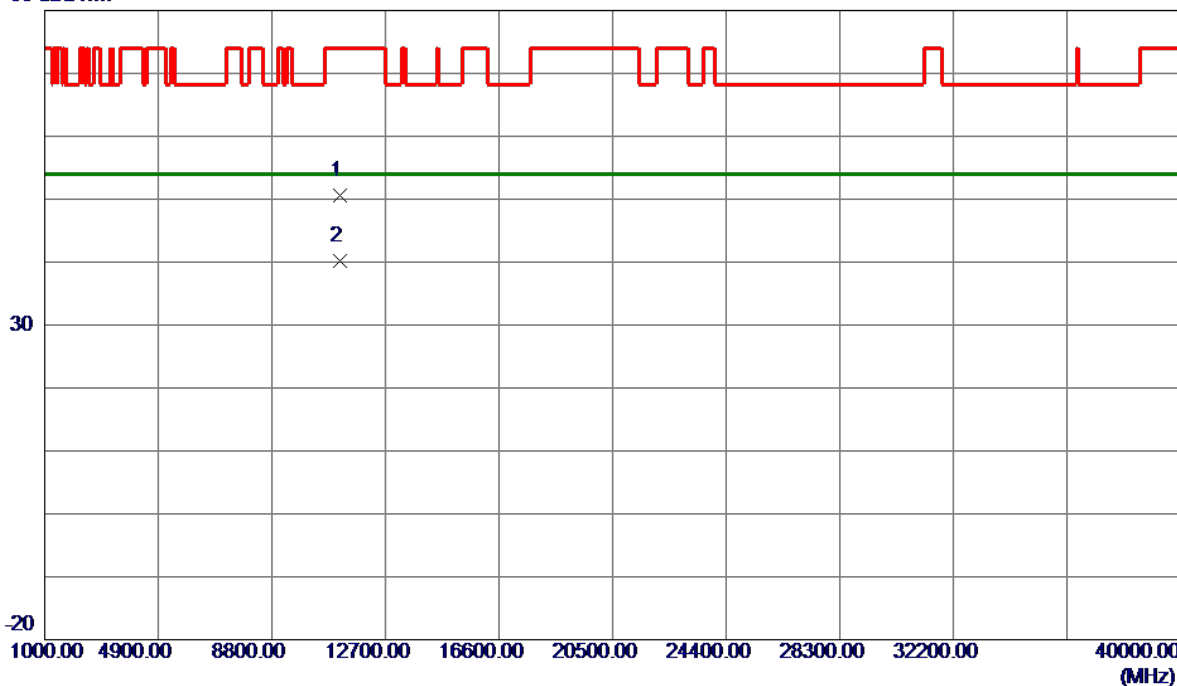
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	UNII-2C_TX AX(HE160) Mode 5570 MHz	Polarization	Vertical
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80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11141.4400	38.27	12.37	50.64	74.00	-23.36	Peak	
2 *	11141.5500	27.78	12.37	40.15	54.00	-13.85	AVG	

REMARKS:

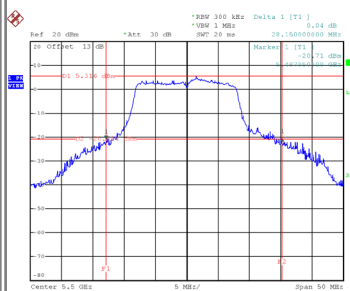
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	UNII-2C_TX A Mode
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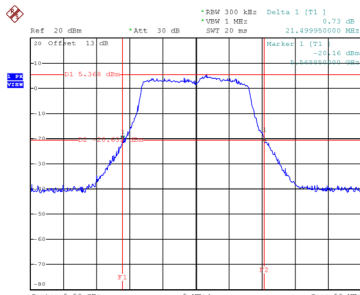
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
100	5500	28.150	19.300
116	5580	21.500	16.800
140	5700	29.400	17.200

CH100



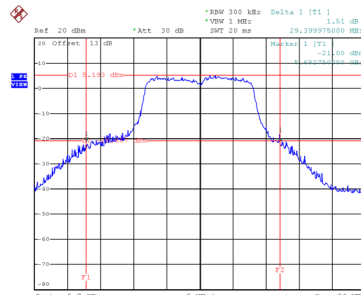
Date: 26.JUL.2022 20:48:47

CH116
26 dB Bandwidth



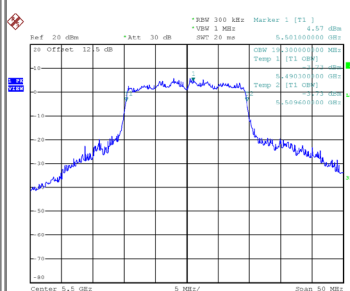
Date: 26.JUL.2022 20:50:20

CH140

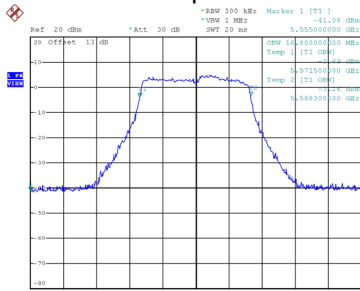


Date: 26.JUL.2022 20:51:09

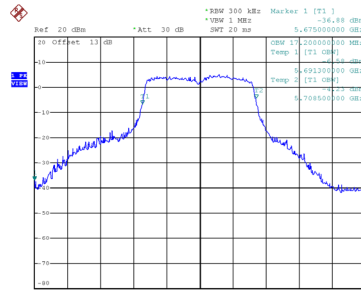
99 % Occupied Bandwidth



Date: 29.JUL.2022 21:09:32



Date: 26.JUL.2022 20:49:58

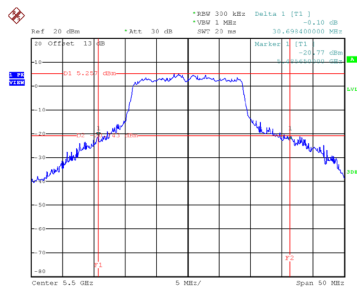


Date: 26.JUL.2022 20:50:51

Test Mode	UNII-2C_TX AC(VHT20) Mode
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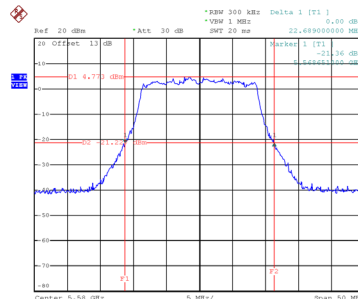
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
100	5500	30.698	18.300
116	5580	22.689	18.000
140	5700	28.690	18.400

CH100



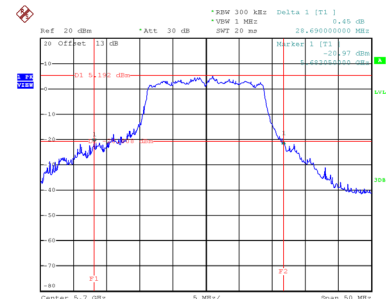
Date: 26.JUL.2022 20:54:37

CH116
26 dB Bandwidth



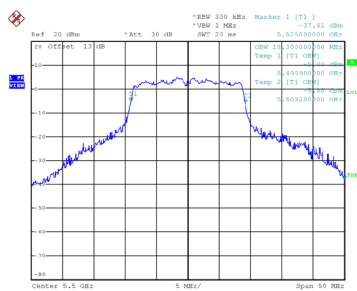
Date: 26.JUL.2022 20:55:13

CH140

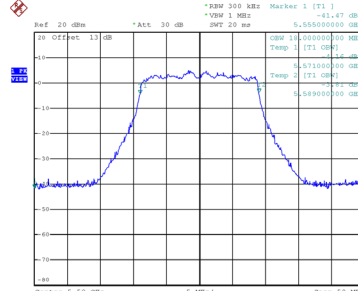


Date: 26.JUL.2022 20:56:22

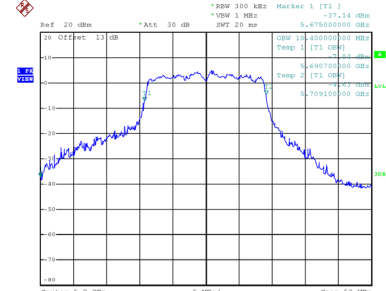
99 % Occupied Bandwidth



Date: 26.JUL.2022 20:54:21



Date: 26.JUL.2022 20:55:13

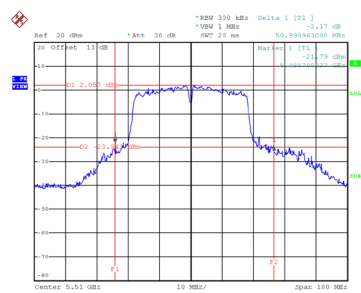


Date: 26.JUL.2022 20:56:05

Test Mode	UNII-2C_TX AC(VHT40) Mode
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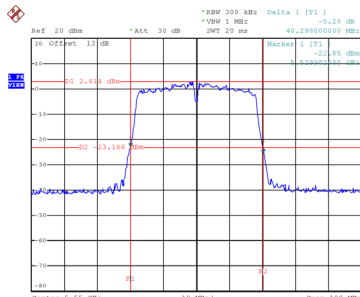
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
102	5510	50.999	37.200
110	5550	40.298	36.600
134	5670	55.100	37.200

CH102



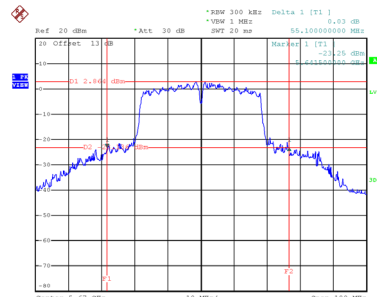
Date: 26.JUL.2022 21:01:02

CH110
26 dB Bandwidth



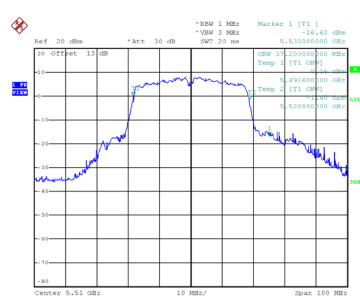
Date: 26.JUL.2022 21:02:22

CH134

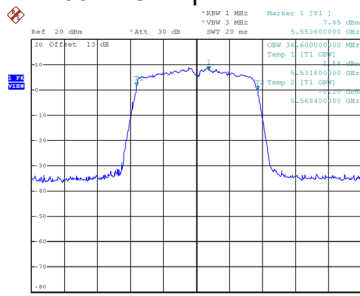


Date: 26.JUL.2022 21:03:26

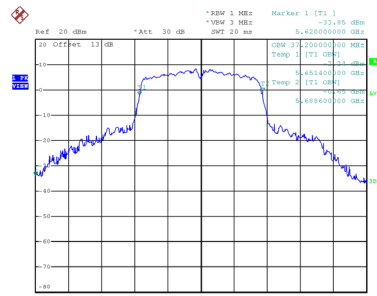
99 % Occupied Bandwidth



Date: 26.JUL.2022 21:00:18



Date: 26.JUL.2022 21:01:54

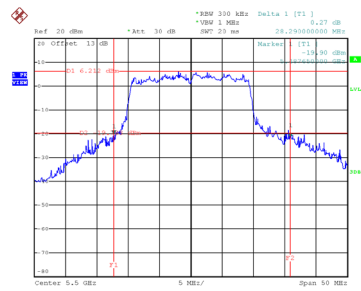


Date: 26.JUL.2022 21:02:57

Test Mode	UNII-2C_TX AX(HE20) Mode
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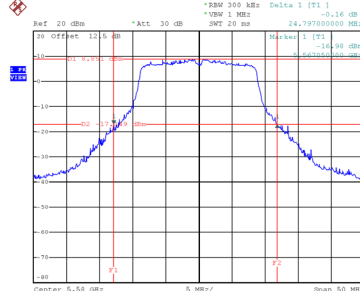
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
100	5500	28.290	19.200
116	5580	24.797	19.100
140	5700	26.600	19.300

CH100



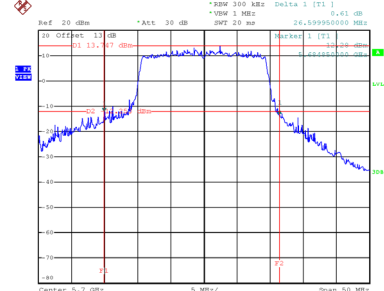
Date: 29.JUL.2022 21:11:03

CH116
26 dB Bandwidth



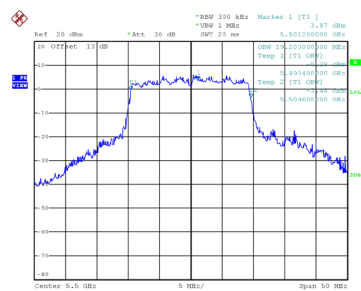
Date: 1.AUG.2022 14:42:49

CH140

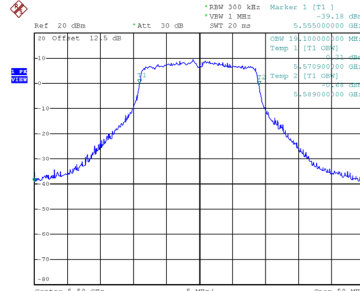


Date: 29.JUL.2022 21:15:56

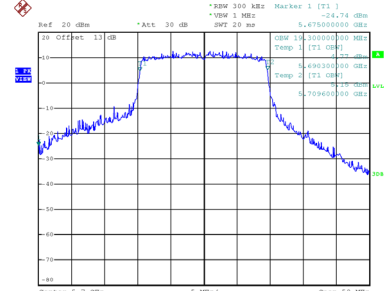
99 % Occupied Bandwidth



Date: 29.JUL.2022 21:10:42



Date: 1.AUG.2022 14:42:49

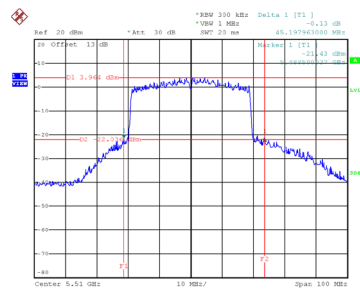


Date: 29.JUL.2022 21:15:38

Test Mode	UNII-2C_TX AX(HE40) Mode
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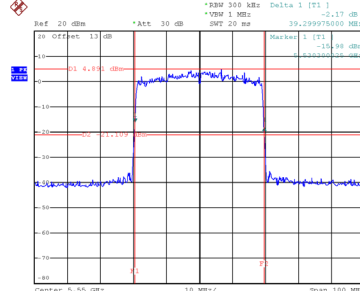
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
102	5510	45.198	38.000
110	5550	39.300	38.000
134	5670	52.396	38.400

CH102



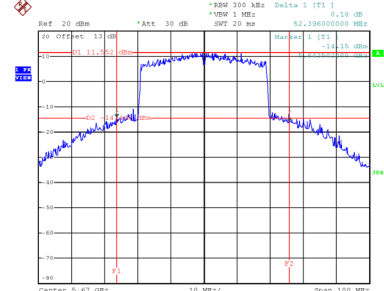
Date: 29.JUL.2022 21:17:54

CH110
26 dB Bandwidth



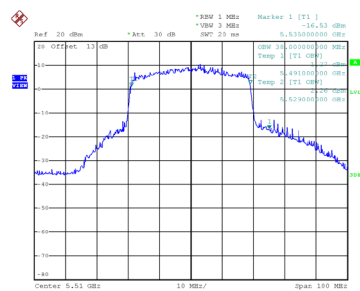
Date: 29.JUL.2022 21:18:44

CH134

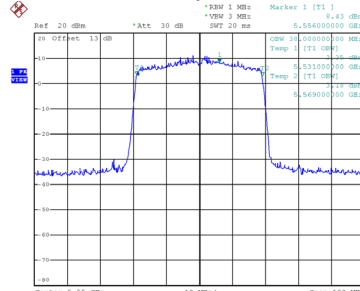


Date: 29.JUL.2022 21:19:52

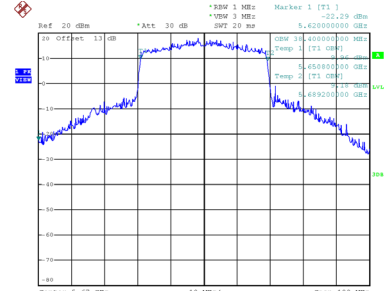
99 % Occupied Bandwidth



Date: 29.JUL.2022 21:17:07



Date: 29.JUL.2022 21:18:16

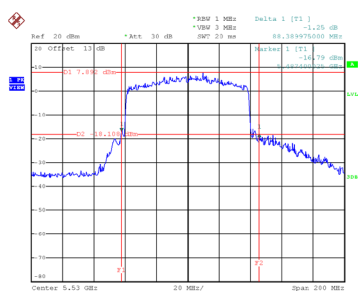


Date: 29.JUL.2022 21:19:06

Test Mode	UNII-2C_TX AX(HE80) Mode
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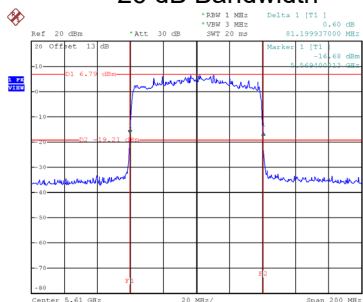
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
106	5530	88.390	77.600
122	5610	81.200	76.800

CH106



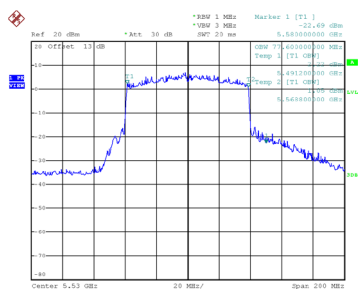
Date: 29.JUL.2022 21:21:51

CH122
26 dB Bandwidth

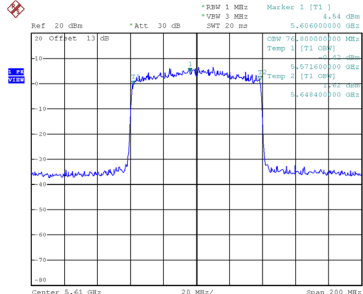


Date: 29.JUL.2022 21:22:39

99 % Occupied Bandwidth



Date: 29.JUL.2022 21:20:56

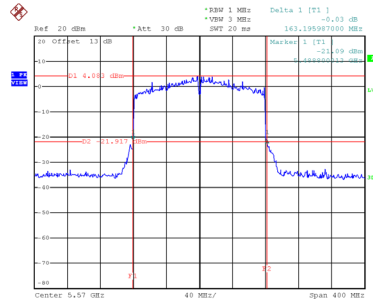


Date: 29.JUL.2022 21:22:14

Test Mode	UNII-2C_TX AX(HE160) Mode
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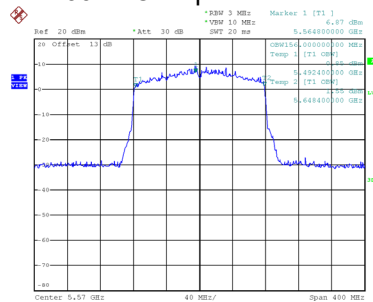
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
114	5570	163.196	156.000

CH114 26 dB Bandwidth



Date: 29_JUL_2022 21:23:55

99 % Occupied Bandwidth



Date: 29_JUL_2022 21:23:32

APPENDIX F - MAXIMUM OUTPUT POWER

Non Beamforming

Test Mode	UNII-2C_TX A Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.41	0.18	10.59	23.98	0.2500	Complies
116	5580	10.46	0.18	10.64	23.98	0.2500	Complies
140	5700	11.25	0.18	11.43	23.98	0.2500	Complies

Test Mode	UNII-2C_TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.93	0.31	11.24	19.95	0.0989	Complies
116	5580	10.64	0.31	10.95	19.95	0.0989	Complies
140	5700	10.72	0.31	11.03	19.95	0.0989	Complies

Test Mode	UNII-2C_TX N(HT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.61	0.31	10.92	19.95	0.0989	Complies
116	5580	11.16	0.31	11.47	19.95	0.0989	Complies
140	5700	10.52	0.31	10.83	19.95	0.0989	Complies

Test Mode	UNII-2C_TX N(HT20) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	9.87	0.31	10.18	19.95	0.0989	Complies
116	5580	10.67	0.31	10.98	19.95	0.0989	Complies
140	5700	10.12	0.31	10.43	19.95	0.0989	Complies

Test Mode	UNII-2C_TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.58	19.95	0.0989	Complies
116	5580	15.91	19.95	0.0989	Complies
140	5700	15.54	19.95	0.0989	Complies

Test Mode	UNII-2C_TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.96	0.41	11.37	19.95	0.0989	Complies
110	5550	11.24	0.41	11.65	19.95	0.0989	Complies
134	5670	11.17	0.41	11.58	19.95	0.0989	Complies

Test Mode	UNII-2C_TX N(HT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.78	0.41	11.19	19.95	0.0989	Complies
110	5550	10.94	0.41	11.35	19.95	0.0989	Complies
134	5670	11.32	0.41	11.73	19.95	0.0989	Complies

Test Mode	UNII-2C_TX N(HT40) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.23	0.41	10.64	19.95	0.0989	Complies
110	5550	10.42	0.41	10.83	19.95	0.0989	Complies
134	5670	10.84	0.41	11.25	19.95	0.0989	Complies

Test Mode	UNII-2C_TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	15.85	19.95	0.0989	Complies
110	5550	16.06	19.95	0.0989	Complies
134	5670	16.29	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.83	0.47	11.30	19.95	0.0989	Complies
116	5580	10.69	0.47	11.16	19.95	0.0989	Complies
140	5700	10.64	0.47	11.11	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.98	0.47	11.45	19.95	0.0989	Complies
116	5580	11.24	0.47	11.71	19.95	0.0989	Complies
140	5700	10.99	0.47	11.46	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 3
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.17	0.47	10.64	19.95	0.0989	Complies
116	5580	10.67	0.47	11.14	19.95	0.0989	Complies
140	5700	10.36	0.47	10.83	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Total
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.91	19.95	0.0989	Complies
116	5580	16.11	19.95	0.0989	Complies
140	5700	15.91	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	11.05	0.82	11.87	19.95	0.0989	Complies
110	5550	11.29	0.82	12.11	19.95	0.0989	Complies
134	5670	11.18	0.82	12.00	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 2
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.91	0.82	11.73	19.95	0.0989	Complies
110	5550	11.08	0.82	11.90	19.95	0.0989	Complies
134	5670	11.35	0.82	12.17	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 3
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.37	0.82	11.19	19.95	0.0989	Complies
110	5550	10.47	0.82	11.29	19.95	0.0989	Complies
134	5670	10.88	0.82	11.70	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Total
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	16.38	19.95	0.0989	Complies
110	5550	16.55	19.95	0.0989	Complies
134	5670	16.73	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	11.19	0.74	11.93	19.95	0.0989	Complies
122	5610	10.68	0.74	11.42	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	11.07	0.74	11.81	19.95	0.0989	Complies
122	5610	11.21	0.74	11.95	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 3
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	10.38	0.74	11.12	19.95	0.0989	Complies
122	5610	10.63	0.74	11.37	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	16.40	19.95	0.0989	Complies
122	5610	16.36	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.48	0.52	11.00	19.95	0.0989	Complies
116	5580	10.02	0.52	10.54	19.95	0.0989	Complies
140	5700	9.97	0.52	10.49	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 2
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.49	0.52	11.01	19.95	0.0989	Complies
116	5580	10.78	0.52	11.30	19.95	0.0989	Complies
140	5700	10.54	0.52	11.06	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 3
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.08	0.52	10.60	19.95	0.0989	Complies
116	5580	10.26	0.52	10.78	19.95	0.0989	Complies
140	5700	10.03	0.52	10.55	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Total
-----------	--------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.64	19.95	0.0989	Complies
116	5580	15.65	19.95	0.0989	Complies
140	5700	15.48	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	11.25	0.52	11.77	19.95	0.0989	Complies
110	5550	11.55	0.52	12.07	19.95	0.0989	Complies
134	5670	11.41	0.52	11.93	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	11.31	0.52	11.83	19.95	0.0989	Complies
110	5550	11.12	0.52	11.64	19.95	0.0989	Complies
134	5670	11.55	0.52	12.07	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.67	0.52	11.19	19.95	0.0989	Complies
110	5550	10.64	0.52	11.16	19.95	0.0989	Complies
134	5670	11.17	0.52	11.69	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	16.38	19.95	0.0989	Complies
110	5550	16.41	19.95	0.0989	Complies
134	5670	16.67	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	11.21	0.53	11.74	19.95	0.0989	Complies
122	5610	10.77	0.53	11.30	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	11.11	0.53	11.64	19.95	0.0989	Complies
122	5610	11.32	0.53	11.85	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	10.38	0.53	10.91	19.95	0.0989	Complies
122	5610	10.65	0.53	11.18	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	16.22	19.95	0.0989	Complies
122	5610	16.23	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
114	5570	11.06	1.25	12.31	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
114	5570	10.95	1.25	12.20	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
114	5570	10.13	1.25	11.38	19.95	0.0989	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Total
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
114	5570	16.75	19.95	0.0989	Complies

Beamforming

Test Mode	UNII-2C_TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.39	0.31	10.70	19.99	0.0998	Complies
116	5580	10.12	0.31	10.43	19.99	0.0998	Complies
140	5700	10.23	0.31	10.54	19.99	0.0998	Complies

Test Mode	UNII-2C_TX N(HT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.12	0.31	10.43	19.99	0.0998	Complies
116	5580	10.62	0.31	10.93	19.99	0.0998	Complies
140	5700	10.01	0.31	10.32	19.99	0.0998	Complies

Test Mode	UNII-2C_TX N(HT20) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	9.37	0.31	9.68	19.99	0.0998	Complies
116	5580	10.14	0.31	10.45	19.99	0.0998	Complies
140	5700	9.59	0.31	9.90	19.99	0.0998	Complies

Test Mode	UNII-2C_TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.06	19.99	0.0998	Complies
116	5580	15.38	19.99	0.0998	Complies
140	5700	15.03	19.99	0.0998	Complies

Test Mode	UNII-2C_TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.45	0.41	10.86	19.99	0.0998	Complies
110	5550	10.70	0.41	11.11	19.99	0.0998	Complies
134	5670	10.66	0.41	11.07	19.99	0.0998	Complies

Test Mode	UNII-2C_TX N(HT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.24	0.41	10.65	19.99	0.0998	Complies
110	5550	10.45	0.41	10.86	19.99	0.0998	Complies
134	5670	10.78	0.41	11.19	19.99	0.0998	Complies

Test Mode	UNII-2C_TX N(HT40) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	9.74	0.41	10.15	19.99	0.0998	Complies
110	5550	9.92	0.41	10.33	19.99	0.0998	Complies
134	5670	10.33	0.41	10.74	19.99	0.0998	Complies

Test Mode	UNII-2C_TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	15.33	19.99	0.0998	Complies
110	5550	15.55	19.99	0.0998	Complies
134	5670	15.77	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.30	0.47	10.77	19.99	0.0998	Complies
116	5580	10.17	0.47	10.64	19.99	0.0998	Complies
140	5700	10.10	0.47	10.57	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	10.48	0.47	10.95	19.99	0.0998	Complies
116	5580	10.74	0.47	11.21	19.99	0.0998	Complies
140	5700	10.46	0.47	10.93	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 3
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	9.62	0.47	10.09	19.99	0.0998	Complies
116	5580	10.17	0.47	10.64	19.99	0.0998	Complies
140	5700	9.86	0.47	10.33	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.39	19.99	0.0998	Complies
116	5580	15.61	19.99	0.0998	Complies
140	5700	15.38	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.55	0.82	11.37	19.99	0.0998	Complies
110	5550	10.74	0.82	11.56	19.99	0.0998	Complies
134	5670	10.67	0.82	11.49	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.36	0.82	11.18	19.99	0.0998	Complies
110	5550	10.57	0.82	11.39	19.99	0.0998	Complies
134	5670	10.81	0.82	11.63	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	9.84	0.82	10.66	19.99	0.0998	Complies
110	5550	9.98	0.82	10.80	19.99	0.0998	Complies
134	5670	10.36	0.82	11.18	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	15.85	19.99	0.0998	Complies
110	5550	16.03	19.99	0.0998	Complies
134	5670	16.21	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	10.68	0.74	11.42	19.99	0.0998	Complies
122	5610	10.19	0.74	10.93	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	10.57	0.74	11.31	19.99	0.0998	Complies
122	5610	10.68	0.74	11.42	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	9.84	0.74	10.58	19.99	0.0998	Complies
122	5610	10.15	0.74	10.89	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	15.89	19.99	0.0998	Complies
122	5610	15.85	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	9.99	0.52	10.51	19.99	0.0998	Complies
116	5580	9.50	0.52	10.02	19.99	0.0998	Complies
140	5700	9.47	0.52	9.99	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	9.97	0.52	10.49	19.99	0.0998	Complies
116	5580	10.25	0.52	10.77	19.99	0.0998	Complies
140	5700	10.01	0.52	10.53	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	9.58	0.52	10.10	19.99	0.0998	Complies
116	5580	9.76	0.52	10.28	19.99	0.0998	Complies
140	5700	9.48	0.52	10.00	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.14	19.99	0.0998	Complies
116	5580	15.14	19.99	0.0998	Complies
140	5700	14.95	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.75	0.52	11.27	19.99	0.0998	Complies
110	5550	11.06	0.52	11.58	19.99	0.0998	Complies
134	5670	10.92	0.52	11.44	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.77	0.52	11.29	19.99	0.0998	Complies
110	5550	10.60	0.52	11.12	19.99	0.0998	Complies
134	5670	11.01	0.52	11.53	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	10.18	0.52	10.70	19.99	0.0998	Complies
110	5550	10.13	0.52	10.65	19.99	0.0998	Complies
134	5670	10.67	0.52	11.19	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	15.87	19.99	0.0998	Complies
110	5550	15.91	19.99	0.0998	Complies
134	5670	16.16	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	10.68	0.53	11.21	19.99	0.0998	Complies
122	5610	10.27	0.53	10.80	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	10.57	0.53	11.10	19.99	0.0998	Complies
122	5610	10.83	0.53	11.36	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	9.85	0.53	10.38	19.99	0.0998	Complies
122	5610	10.15	0.53	10.68	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	15.69	19.99	0.0998	Complies
122	5610	15.73	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
114	5570	10.55	1.25	11.80	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
114	5570	10.41	1.25	11.66	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 3
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
114	5570	9.65	1.25	10.90	19.99	0.0998	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Total
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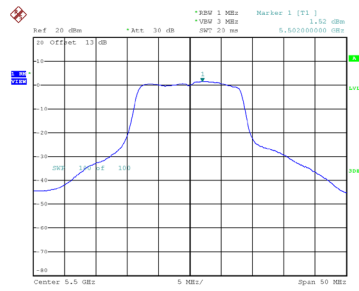
Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
114	5570	16.24	19.99	0.0998	Complies

APPENDIX G - POWER SPECTRAL DENSITY

Test Mode	UNII-2C_TX A Mode_Ant. 1
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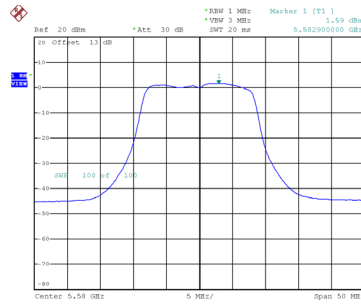
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	1.52	0.18	1.70	11.00	Complies
116	5580	1.59	0.18	1.77	11.00	Complies
140	5700	1.72	0.18	1.90	11.00	Complies

CH100



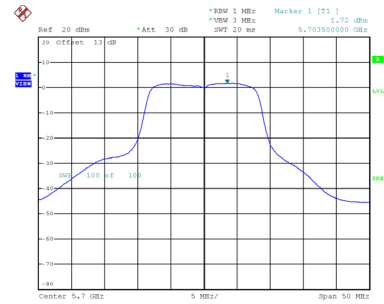
Date: 26.JUL.2022 19:13:21

CH116



Date: 26.JUL.2022 19:17:06

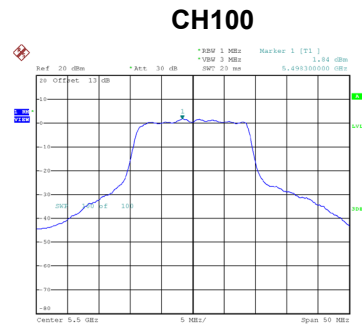
CH140



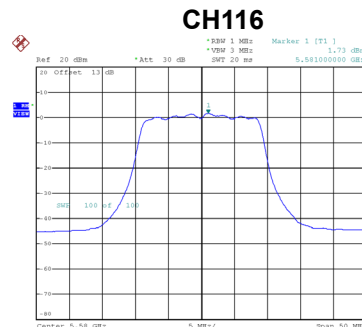
Date: 26.JUL.2022 19:22:19

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 1
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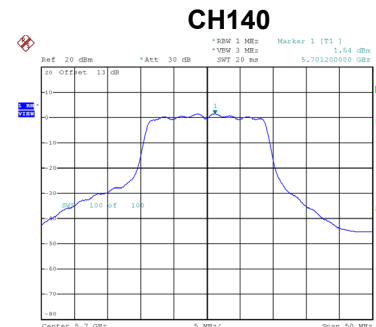
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	1.84	0.47	2.31	6.97	Complies
116	5580	1.73	0.47	2.20	6.97	Complies
140	5700	1.54	0.47	2.01	6.97	Complies



Date: 26.JUL.2022 19:30:29



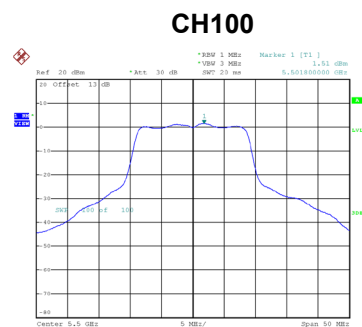
Date: 26.JUL.2022 19:33:27



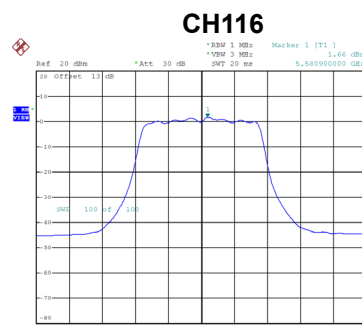
Date: 26.JUL.2022 19:43:40

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 2
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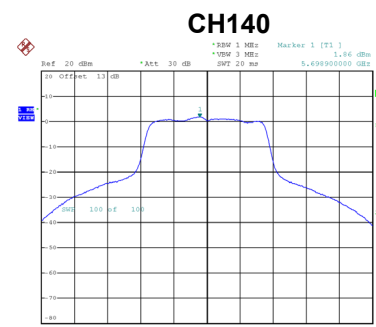
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	1.51	0.47	1.98	6.97	Complies
116	5580	1.66	0.47	2.13	6.97	Complies
140	5700	1.86	0.47	2.33	6.97	Complies



Date: 26.JUL.2022 19:31:03



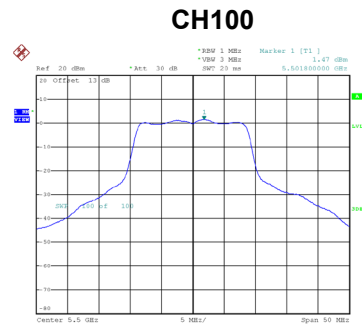
Date: 26.JUL.2022 19:35:25



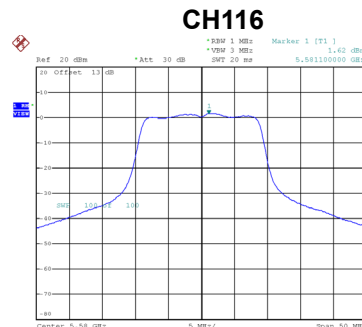
Date: 26.JUL.2022 19:43:07

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 3
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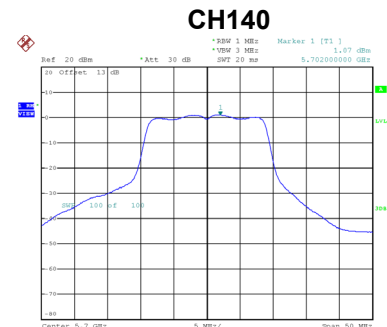
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	1.47	0.47	1.94	6.97	Complies
116	5580	1.62	0.47	2.09	6.97	Complies
140	5700	1.07	0.47	1.54	6.97	Complies



Date: 26.JUL.2022 19:31:30



Date: 26.JUL.2022 19:36:50



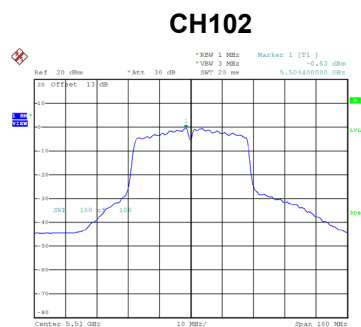
Date: 26.JUL.2022 19:44:17

Test Mode	UNII-2C_TX AC(VHT20) Mode_Total
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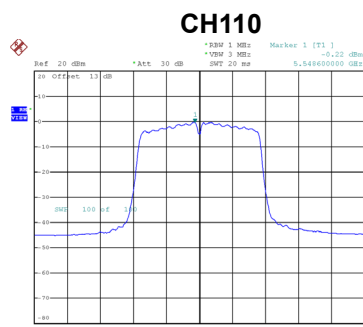
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	6.85	6.97	Complies
116	5580	6.91	6.97	Complies
140	5700	6.74	6.97	Complies

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 1
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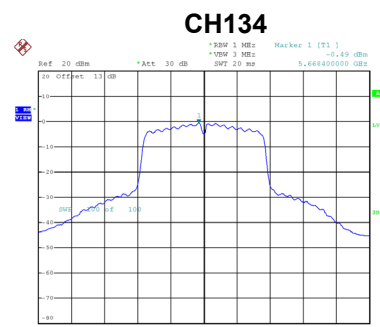
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-0.53	0.82	0.29	6.97	Complies
110	5550	-0.22	0.82	0.60	6.97	Complies
134	5670	-0.49	0.82	0.33	6.97	Complies



Date: 26.JUL.2022 19:48:13



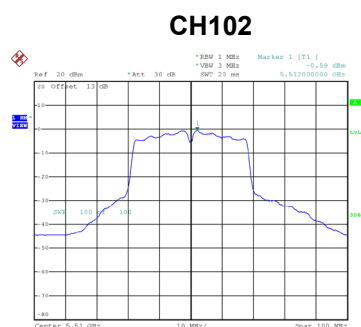
Date: 26.JUL.2022 19:53:52



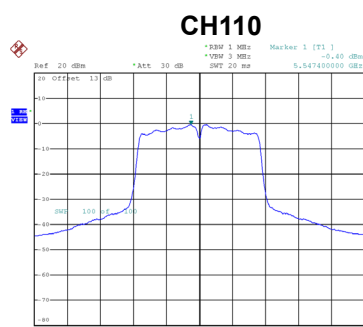
Date: 26.JUL.2022 19:56:25

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 2
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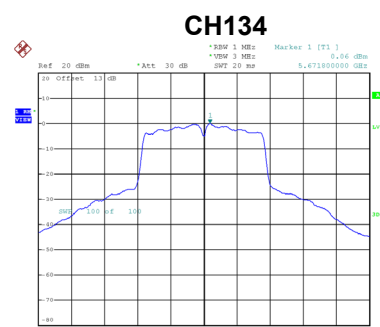
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-0.59	0.82	0.23	6.97	Complies
110	5550	-0.40	0.82	0.42	6.97	Complies
134	5670	0.06	0.82	0.88	6.97	Complies



Date: 26.JUL.2022 19:50:20



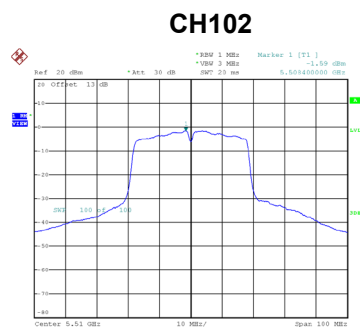
Date: 26.JUL.2022 19:52:59



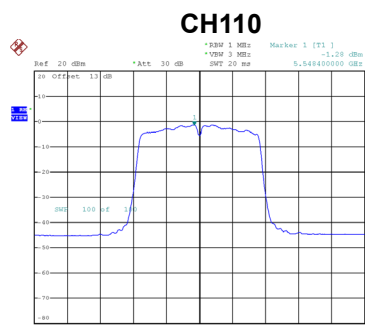
Date: 26.JUL.2022 19:57:14

Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 3
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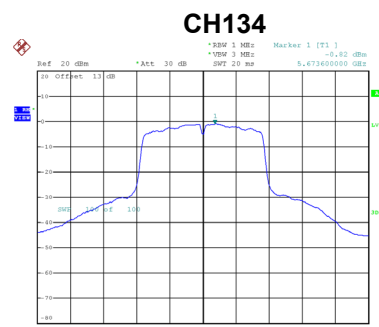
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-1.59	0.82	-0.77	6.97	Complies
110	5550	-1.28	0.82	-0.46	6.97	Complies
134	5670	-0.82	0.82	0.00	6.97	Complies



Date: 26.JUL.2022 19:51:10



Date: 26.JUL.2022 19:52:26



Date: 26.JUL.2022 19:57:49

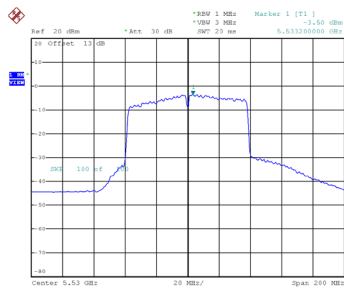
Test Mode	UNII-2C_TX AC(VHT40) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	4.71	6.97	Complies
110	5550	4.98	6.97	Complies
134	5670	5.19	6.97	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 1
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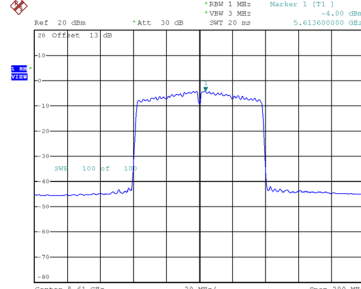
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-3.50	0.74	-2.76	6.97	Complies
122	5610	-4.00	0.74	-3.26	6.97	Complies

CH106



Date: 26.JUL.2022 20:02:29

CH122

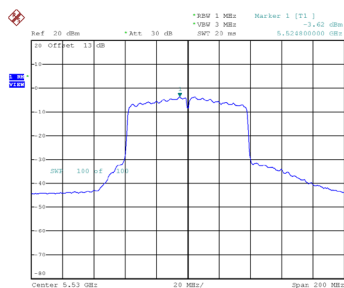


Date: 26.JUL.2022 20:03:34

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 2
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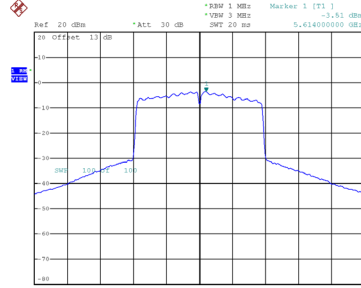
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-3.62	0.74	-2.88	6.97	Complies
122	5610	-3.51	0.74	-2.77	6.97	Complies

CH106



Date: 26.JUL.2022 20:01:50

CH122

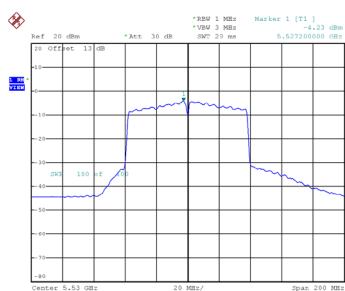


Date: 26.JUL.2022 20:04:35

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 3
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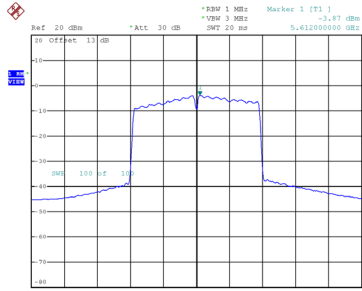
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-4.23	0.74	-3.49	6.97	Complies
122	5610	-3.87	0.74	-3.13	6.97	Complies

CH106



Date: 26.JUL.2022 20:01:15

CH122



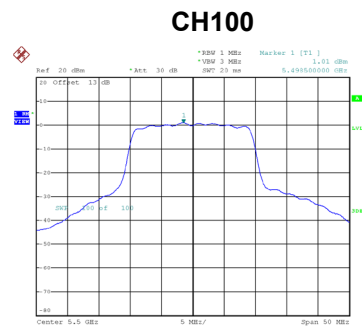
Date: 26.JUL.2022 20:05:18

Test Mode	UNII-2C_TX AC(VHT80) Mode_Total
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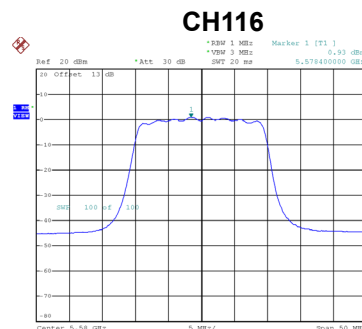
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	1.74	6.97	Complies
122	5610	1.72	6.97	Complies

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 1
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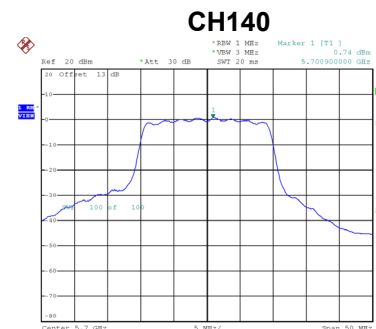
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	1.01	0.52	1.53	6.97	Complies
116	5580	0.93	0.52	1.45	6.97	Complies
140	5700	0.74	0.52	1.26	6.97	Complies



Date: 26.JUL.2022 20:09:52



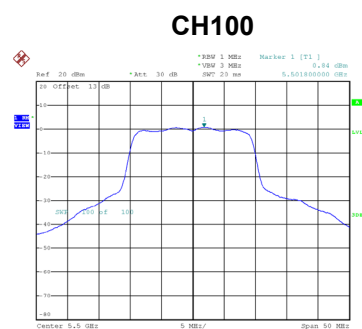
Date: 26.JUL.2022 20:15:06



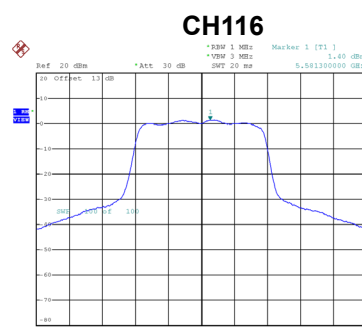
Date: 26.JUL.2022 20:21:47

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 2
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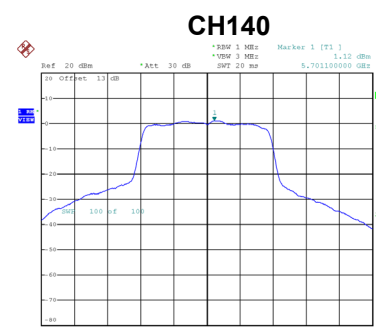
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	0.84	0.52	1.36	6.97	Complies
116	5580	1.40	0.52	1.92	6.97	Complies
140	5700	1.12	0.52	1.64	6.97	Complies



Date: 26.JUL.2022 20:10:30



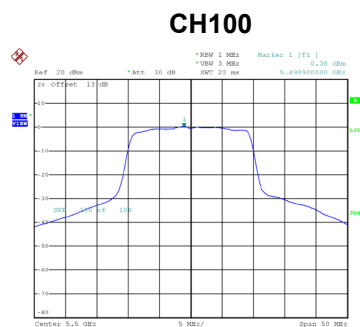
Date: 26.JUL.2022 20:14:14



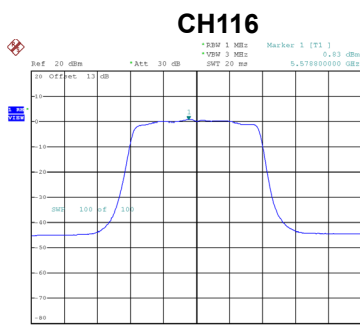
Date: 26.JUL.2022 20:21:17

Test Mode	UNII-2C_TX AX(HE20) Mode_Ant. 3
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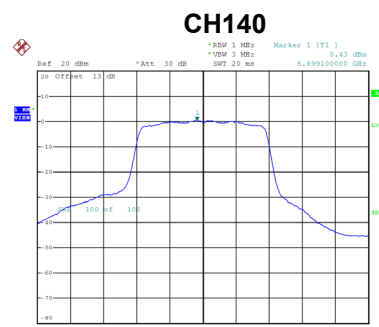
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	0.30	0.52	0.82	6.97	Complies
116	5580	0.83	0.52	1.35	6.97	Complies
140	5700	0.43	0.52	0.95	6.97	Complies



Date: 26.JUL.2022 20:10:56



Date: 26.JUL.2022 20:15:34



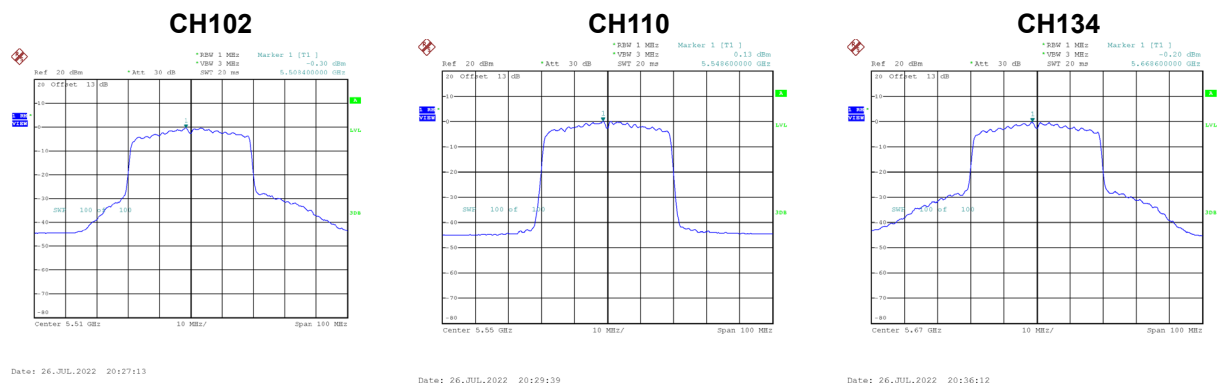
Date: 26.JUL.2022 20:22:33

Test Mode	UNII-2C_TX AX(HE20) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	6.02	6.97	Complies
116	5580	6.35	6.97	Complies
140	5700	6.06	6.97	Complies

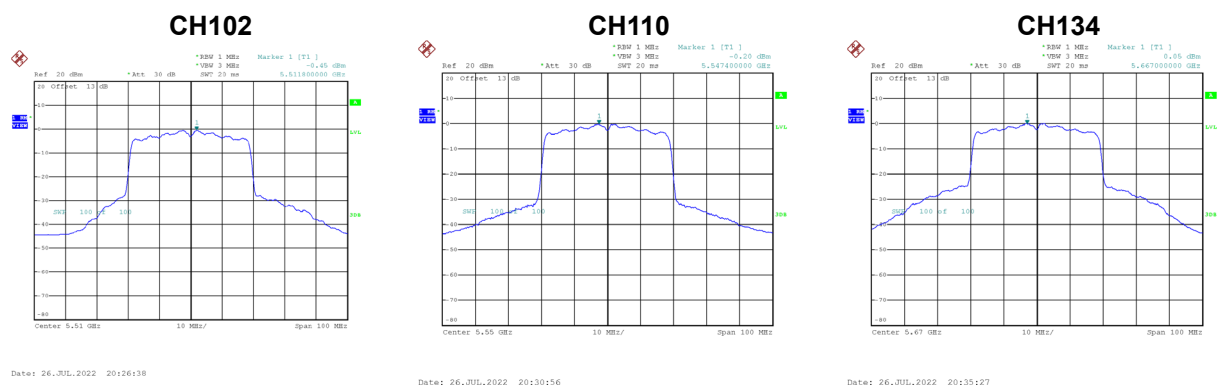
Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-0.30	0.52	0.22	6.97	Complies
110	5550	0.13	0.52	0.65	6.97	Complies
134	5670	-0.20	0.52	0.32	6.97	Complies



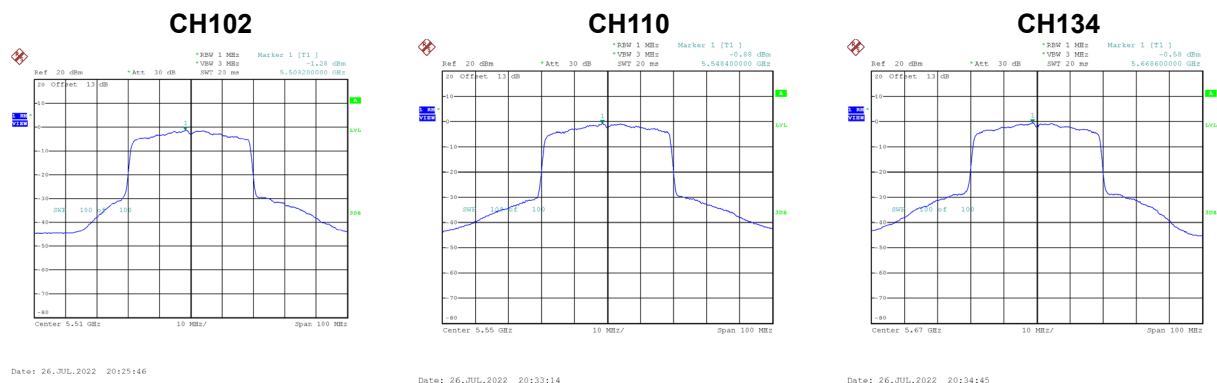
Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 2
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-0.45	0.52	0.07	6.97	Complies
110	5550	-0.20	0.52	0.32	6.97	Complies
134	5670	0.05	0.52	0.57	6.97	Complies



Test Mode	UNII-2C_TX AX(HE40) Mode_Ant. 3
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-1.28	0.52	-0.76	6.97	Complies
110	5550	-0.88	0.52	-0.36	6.97	Complies
134	5670	-0.58	0.52	-0.06	6.97	Complies



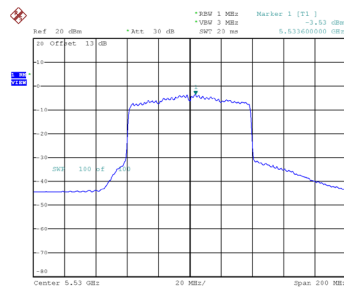
Test Mode	UNII-2C_TX AX(HE40) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	4.64	6.97	Complies
110	5550	5.00	6.97	Complies
134	5670	5.06	6.97	Complies

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 1
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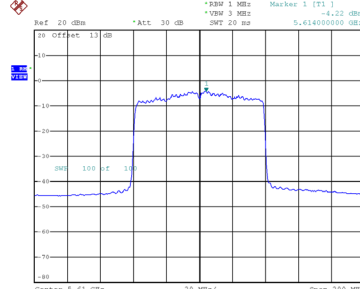
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-3.53	0.53	-3.00	6.97	Complies
122	5610	-4.22	0.53	-3.69	6.97	Complies

CH106



Date: 26.JUL.2022 20:38:20

CH122

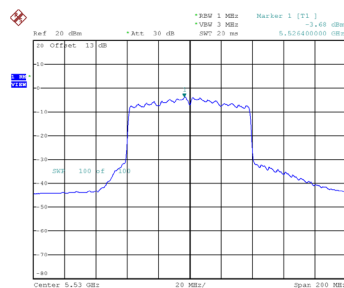


Date: 26.JUL.2022 20:42:23

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 2
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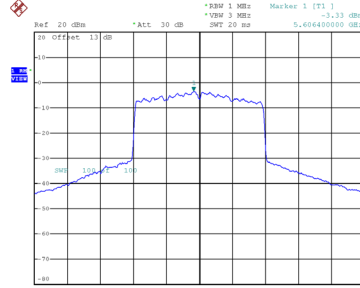
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-3.68	0.53	-3.15	6.97	Complies
122	5610	-3.33	0.53	-2.80	6.97	Complies

CH106



Date: 26.JUL.2022 20:39:28

CH122

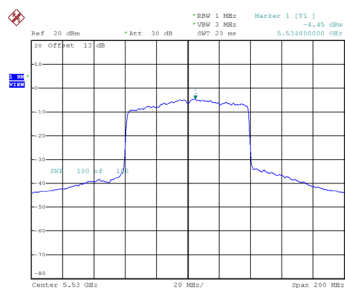


Date: 26.JUL.2022 20:41:48

Test Mode	UNII-2C_TX AX(HE80) Mode_Ant. 3
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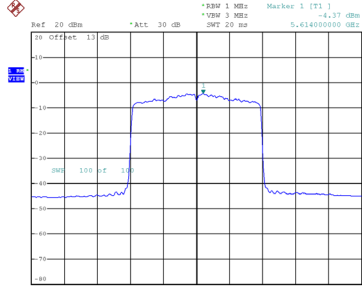
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-4.45	0.53	-3.92	6.97	Complies
122	5610	-4.37	0.53	-3.84	6.97	Complies

CH106



Date: 26.JUL.2022 20:40:09

CH122



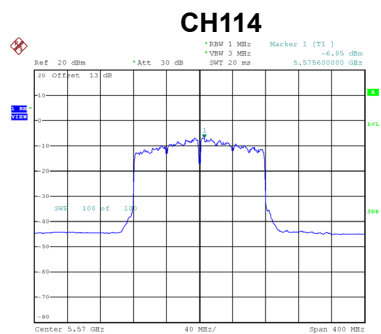
Date: 26.JUL.2022 20:41:13

Test Mode	UNII-2C_TX AX(HE80) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	1.44	6.97	Complies
122	5610	1.36	6.97	Complies

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 1
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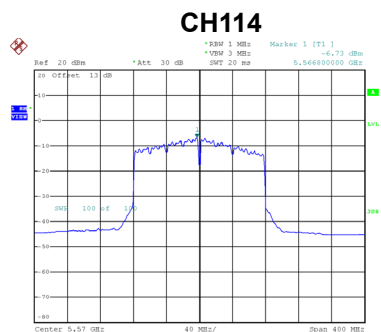
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
114	5570	-6.85	1.25	-5.60	6.97	Complies



Date: 26.JUL.2022 20:43:32

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 2
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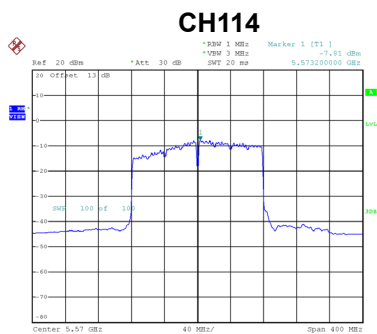
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
114	5570	-6.73	1.25	-5.48	6.97	Complies



Date: 26.JUL.2022 20:44:15

Test Mode	UNII-2C_TX AX(HE160) Mode_Ant. 3
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
114	5570	-7.81	1.25	-6.56	6.97	Complies



Date: 26.JUL.2022 20:44:49

Test Mode	UNII-2C_TX AX(HE160) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
114	5570	-1.08	6.97	Complies

APPENDIX H - FREQUENCY STABILITY

Test Mode	UNII-2C
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5500.0000
138	5499.9750
120	5499.9599
102	5499.9600
Maximum Deviation (MHz)	0.0401
Maximum Deviation (ppm)	7.2955

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5500.0000
-5	5499.9599
5	5499.9599
15	5499.9600
25	5499.9600
35	5499.9750
45	5499.9800
Maximum Deviation (MHz)	0.0401
Maximum Deviation (ppm)	7.2932

End of Test Report