



FCC Radio Test Report

FCC ID: 2AOHHTURBOXC2290

This report concerns: Original Grant

Project No. : 2407C144
Equipment : Smart Module
Brand Name : TurboX
Test Model : TurboX C2290
Series Model : N/A
Applicant : Thundercomm Technology Co., Ltd
Address : No. 107, Middle Datagu Road, Xiantao Street, Yubei District, Chongqing, China, 401122
Manufacturer : Thundercomm Technology Co., Ltd
Address : No. 107, Middle Datagu Road, Xiantao Street, Yubei District, Chongqing, China, 401122
Factory : MIKI TECHNOLOGY HUIZHOU
Address : 39 Guangtai Road, Huinan Science Park, Huizhou City
Date of Receipt : Jul. 22, 2024
Date of Test : Jul. 24, 2024 ~ Aug. 14, 2024
Issued Date : Aug. 28, 2024
Report Version : R00
Test Sample : Engineering Sample No.: DG20240722112 for radiated and AC Power Line Conducted, DG2024072344 for conducted
Standard(s) : FCC CFR Title 47, Part 15, Subpart E

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

Prepared by

:


Sheldon Ou

Approved by

:


Chay Cai

Room 108, Building 2, No.1, Yile Road, Songshan Lake Zone, Dongguan City, Guangdong,
People's Republic of China

Tel: +86-769-8318-3000

Web: www.newbtl.com

Service mail: btl_qa@newbtl.com

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** assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

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

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 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.

Table of Contents	Page
REPORT ISSUED HISTORY	6
1 . APPLICABLE STANDARDS	7
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
2.3 TEST ENVIRONMENT CONDITIONS	9
3 . GENERAL INFORMATION	10
3.1 GENERAL DESCRIPTION OF EUT	10
3.2 TEST MODES	12
3.3 PARAMETERS OF TEST SOFTWARE	15
3.4 DUTY CYCLE	17
3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	19
3.6 SUPPORT UNITS	19
3.7 CUSTOMER INFORMATION DESCRIPTION	19
4 . AC POWER LINE CONDUCTED EMISSIONS	20
4.1 LIMIT	20
4.2 TEST PROCEDURE	20
4.3 DEVIATION FROM TEST STANDARD	20
4.4 TEST SETUP	21
4.5 EUT OPERATION CONDITIONS	21
4.6 TEST RESULTS	21
5 . RADIATED EMISSIONS	22
5.1 LIMIT	22
5.2 TEST PROCEDURE	23
5.3 DEVIATION FROM TEST STANDARD	24
5.4 TEST SETUP	24
5.5 EUT OPERATION CONDITIONS	26
5.6 TEST RESULTS - 9 KHZ TO 30 MHZ	26
5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ	26
5.8 TEST RESULTS - ABOVE 1000 MHZ	26
6 . BANDWIDTH	27
6.1 LIMIT	27
6.2 TEST PROCEDURE	27

Table of Contents	Page
6.3 DEVIATION FROM STANDARD	27
6.4 TEST SETUP	28
6.5 EUT OPERATION CONDITIONS	28
6.6 TEST RESULTS	28
7 . MAXIMUM OUTPUT POWER	29
7.1 LIMIT	29
7.2 TEST PROCEDURE	29
7.3 DEVIATION FROM STANDARD	29
7.4 TEST SETUP	29
7.5 EUT OPERATION CONDITIONS	29
7.6 TEST RESULTS	29
8 . POWER SPECTRAL DENSITY	30
8.1 LIMIT	30
8.2 TEST PROCEDURE	30
8.3 DEVIATION FROM STANDARD	30
8.4 TEST SETUP	31
8.5 EUT OPERATION CONDITIONS	31
8.6 TEST RESULTS	31
9 . FREQUENCY STABILITY	32
9.1 LIMIT	32
9.2 TEST PROCEDURE	32
9.3 DEVIATION FROM STANDARD	32
9.4 TEST SETUP	32
9.5 EUT OPERATION CONDITIONS	32
9.6 TEST RESULTS	32
10 . MEASUREMENT INSTRUMENTS LIST	33
11 . EUT TEST PHOTOS	36
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	42
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ	45
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ	50
APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ	53
APPENDIX E - BANDWIDTH	123
APPENDIX F - MAXIMUM OUTPUT POWER	140

Table of Contents	Page
APPENDIX G - POWER SPECTRAL DENSITY	146
APPENDIX H - FREQUENCY STABILITY	155

REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2407C144	R00	Original Report.	Aug. 28, 2024	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. 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) 15.407(e)	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

2.1 TEST FACILITY

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

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

2.2 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. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.88

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	4.08
		6GHz ~ 18GHz	4.62

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.36
		26.5 ~ 40 GHz	3.58

C. Other Measurement test:

Test Item	Uncertainty
Bandwidth	0.90 %
Maximum Output Power	1.3 dB
Power Spectral Density	1.4 dB
Frequency Stability	2.7 ppm
Temperature	0.8 °C
Humidity	2.2 %

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

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
AC Power Line Conducted Emissions	26°C	54%	AC 120V/60Hz	Hayden Chen	Jul. 31, 2024
Radiated Emissions-9kHz to 30MHz	27°C	49%	AC 120V/60Hz	Hayden Chen	Jul. 31, 2024
Radiated Emissions-30MHz to 1000MHz	24°C	55%	AC 120V/60Hz	Jensen Zhou	Aug. 06, 2024
Radiated Emissions-Above 1000 MHz	23-25°C	53-58%	AC 120V/60Hz	Jensen Zhou Chen Mo	Aug. 01, 2024- Aug. 05, 2024
Bandwidth	24°C	51%	DC 12V	Arvin Tong	Jul. 30, 2024
Maximum Output Power	22°C	48-52%	AC 120V/60Hz	Oliver Wang Steve Zhou	Jul. 29, 2024- Aug. 13, 2024
Power Spectral Density	24°C	51%	DC 12V	Arvin Tong	Jul. 30, 2024
Frequency Stability	24°C	51%	DC 12V	Arvin Tong	Jul. 30, 2024

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Module
Brand Name	TurboX
Test Model	TurboX C2290
Series Model	N/A
Model Difference(s)	N/A
Software Version	FlatBuild_Turbox-C2290_c2290_la3.0.V.userdebug.20240719.1116.zip
Hardware Version	C2290 V03
Power Source	DC Voltage supplied from AC adapter (Support unit) or DC from Battery.
Power Rating	DC 3.9V
Operation Frequency Band(s)	UNII-1: 5150 MHz ~ 5250 MHz UNII-2A: 5250 MHz ~ 5350 MHz UNII-2C: 5470 MHz ~ 5725 MHz UNII-3: 5725 MHz ~ 5850 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 150 Mbps IEEE 802.11ac: up to 433.3 Mbps
Maximum Output Power UNII-1	IEEE 802.11ac20: 16.57 dBm (0.0454 W)
Maximum Output Power UNII-2A	IEEE 802.11a: 16.45 dBm (0.0442 W)
Maximum Output Power UNII-2C	IEEE 802.11a: 16.49 dBm (0.0446 W)
Maximum Output Power UNII-3	IEEE 802.11ac40: 12.69 dBm (0.0186 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 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
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 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40)		IEEE 802.11ac(VHT80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		TG.55.8113	Monopole	N/A	0.7

4. Table for Antenna Configuration:

Operating Mode	TX Mode
IEEE 802.11a	V (Ant. 1)
IEEE 802.11n(HT20)	V (Ant. 1)
IEEE 802.11n(HT40)	V (Ant. 1)
IEEE 802.11ac(VHT20)	V (Ant. 1)
IEEE 802.11ac(VHT40)	V (Ant. 1)
IEEE 802.11ac(VHT80)	V (Ant. 1)

3.2 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 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 8	TX N(HT20) Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX N(HT40) Mode Channel 54/62 (UNII-2A)
Mode 10	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 11	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 12	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 13	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 14	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 15	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 16	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 17	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 18	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 19	TX A Mode Channel 149/157/165 (UNII-3)
Mode 20	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 21	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 22	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 23	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 24	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 25	TX AC(VHT20) Mode Channel 36 (UNII-1)

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

AC power line conducted emissions test	
Final Test Mode	Description
Mode 25	TX AC(VHT20) Mode Channel 36 (UNII-1)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 25	TX AC(VHT20) Mode Channel 36 (UNII-1)

Radiated Emissions Test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 11	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 12	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 13	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 16	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 17	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 18	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 19	TX A Mode Channel 149/157/165 (UNII-3)
Mode 22	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 23	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 24	TX AC(VHT80) Mode Channel 155 (UNII-3)

Conducted Test	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 5	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 6	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 7	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 8	TX N(HT20) Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX N(HT40) Mode Channel 54/62 (UNII-2A)
Mode 10	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 11	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 12	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 13	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 14	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 15	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 16	TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C)
Mode 17	TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C)
Mode 18	TX AC(VHT80) Mode Channel 106/122 (UNII-2C)
Mode 19	TX A Mode Channel 149/157/165 (UNII-3)
Mode 20	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 21	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 22	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 23	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 24	TX AC(VHT80) Mode Channel 155 (UNII-3)

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX AC(VHT20) Mode Channel 36 (UNII-1) is found to be the worst case and recorded.
- (2) 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.
- (3) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.
- (4) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (5) 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, only the worst cases are documented for other test items.
- (6) For radiated emission above 1 GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is Vertical and recorded.

3.3 PARAMETERS OF TEST SOFTWARE

UNII-1			
Test Software Version	ADB_V1.0		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	17.5	17.5	17
IEEE 802.11n(HT20)	17.5	17	17
IEEE 802.11ac(VHT20)	17.5	17	17
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	13.5	16	
IEEE 802.11ac(VHT40)	13.5	16	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	11		

UNII-2A			
Test Software Version	ADB_V1.0		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	17	16.5	16.5
IEEE 802.11n(HT20)	16	15.5	15.5
IEEE 802.11ac(VHT20)	16	15.5	15.5
Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	15.5	13	
IEEE 802.11ac(VHT40)	15.5	13	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	16		

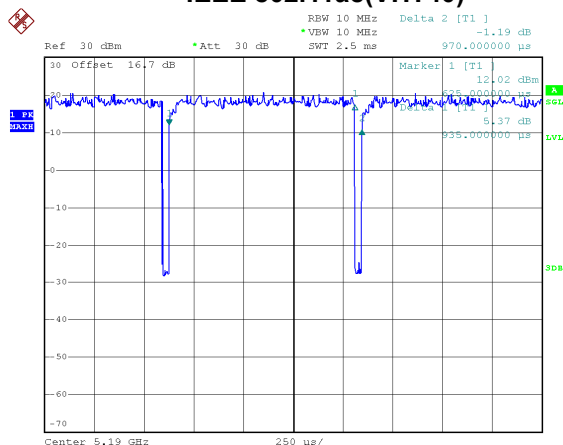
UNII-2C			
Test Software Version	ADB_V1.0		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	16	16	16
IEEE 802.11n(HT20)	15	15	15
IEEE 802.11ac(VHT20)	15	15	15
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	13.5	15	14.5
IEEE 802.11ac(VHT40)	13.5	15	14.5
Frequency (MHz)	5530	5610	
IEEE 802.11ac(VHT80)	10.5	15.5	

UNII-3			
Test Software Version	ADB_V1.0		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	11.5	11.5	11.5
IEEE 802.11n(HT20)	11.5	11.5	11.5
IEEE 802.11ac(VHT20)	11.5	11.5	11.5
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	11.5	11.5	
IEEE 802.11ac(VHT40)	11.5	11.5	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	12		

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.

Duty cycle = 1.896 ms / 1.936 ms = 97.93%
Duty Factor = 10 log(1 / Duty cycle) = 0.09

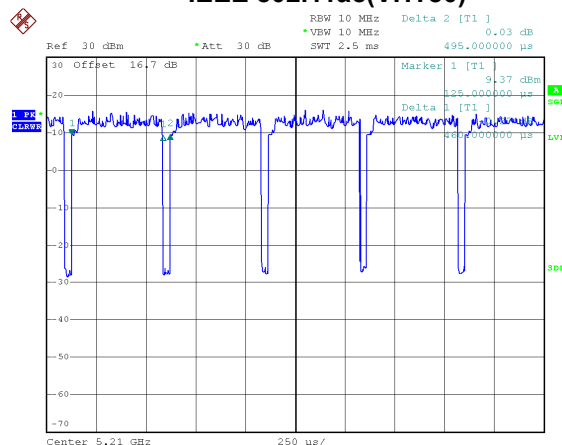
IEEE 802.11ac(VHT40)



Date: 30.JUL.2024 15:31:01

Duty cycle = 0.935 ms / 0.970 ms = 96.39%
Duty Factor = 10 log(1 / Duty cycle) = 0.16

IEEE 802.11ac(VHT80)



Date: 30.JUL.2024 15:31:54

Duty cycle = 0.460 ms / 0.495 ms = 92.93%
Duty Factor = 10 log(1 / Duty cycle) = 0.32

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 1 kHz (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 527 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 1070 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 527 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT40):

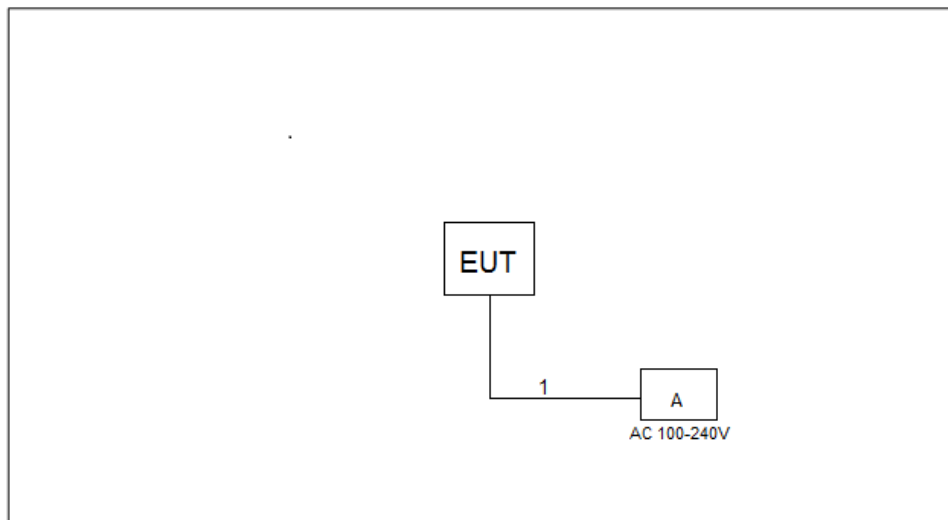
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1070 Hz (Duty cycle < 98%).

For IEEE 802.11ac(VHT80):

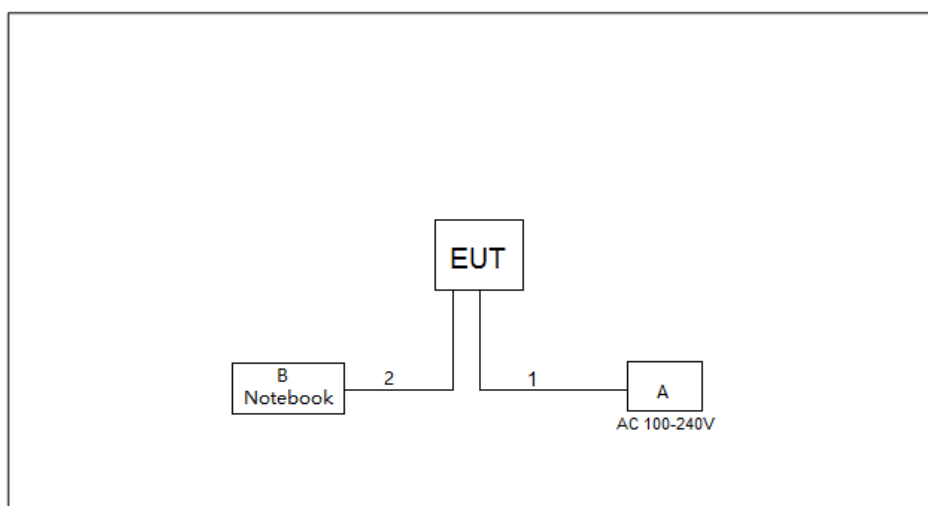
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2174 Hz (Duty cycle < 98%).

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

AC Power Line Conducted Emissions&Radiated Emissions-9 kHz to 30 MHz



Radiated Emissions-30 MHz to 40GHz



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	SWITCHING POWER ADAPTER	LYD	LYD1202000B	-
B	Notebook	HuaWei	NbDE-WFH9	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.2m
2	USB Cable	NO	NO	1.2m

3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain is provided by the manufacturer.
- 2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. Part of the cable losses (0.5dB) are provided by the manufacturer, while the other parts of the cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 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.

4.2 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.

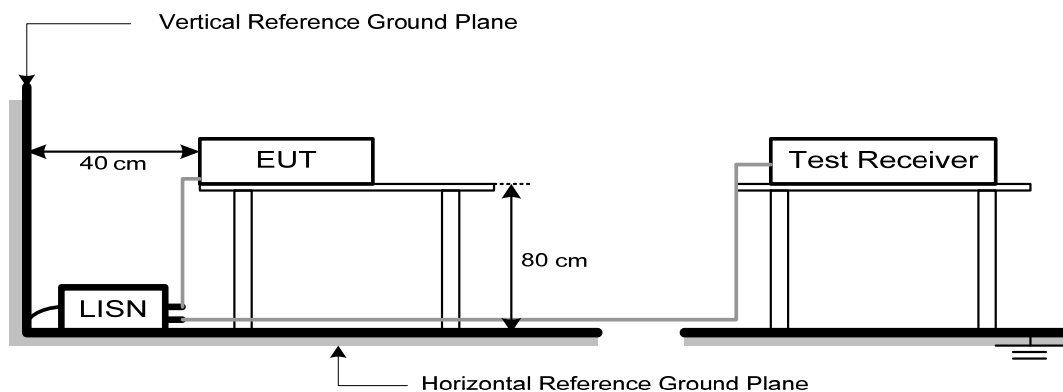
The following table is the setting of the receiver:

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

4.3 DEVIATION FROM TEST STANDARD

No deviation

4.4 TEST SETUP



4.5 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.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 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)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850 NOTE (2)	-27	68.2
	10	105.2
	15.6	110.8
	27	122.2

NOTE:

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

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

(2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(3)

$$FS_{\text{limit}} = FS_{\text{max}} - 20 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

$20 \log (d_{\text{limit}}/d_{\text{measure}}) = 20 \log (3/1) = 9.5 \text{ dB}$.

FS_{limit} : Harmonic at 3m Peak and Average limit.

FS_{max} : Harmonic at 1m Peak and Average Maximum value.

d_{limit} : Harmonic at 3m test distance.

d_{measure} : Harmonic Actual test distance.

5.2 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

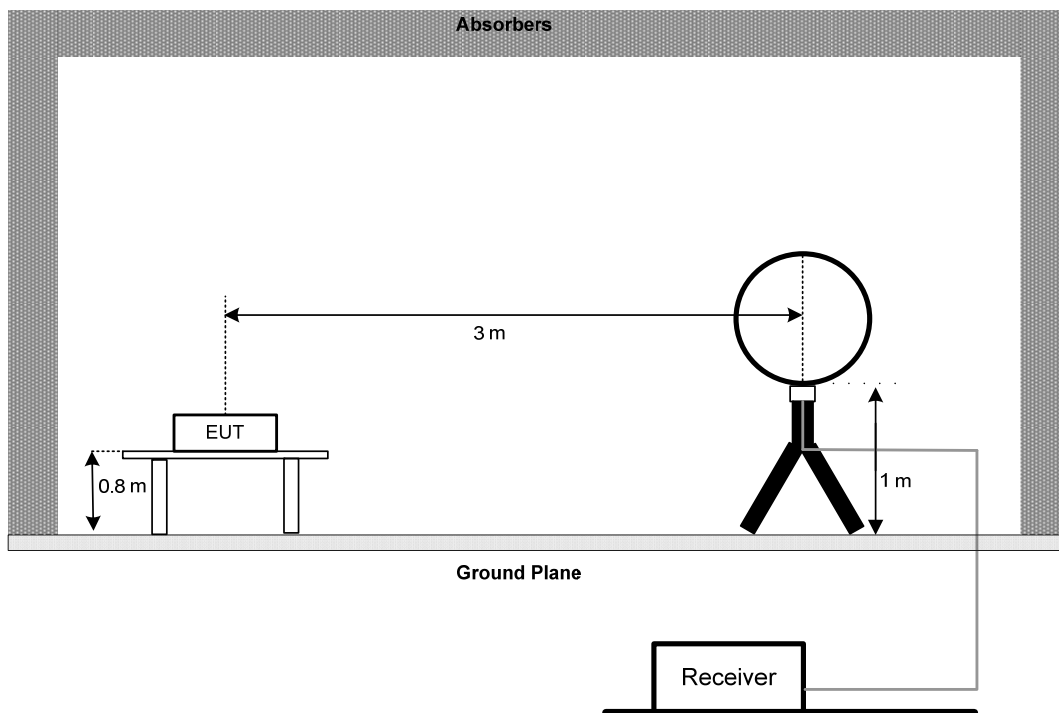
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

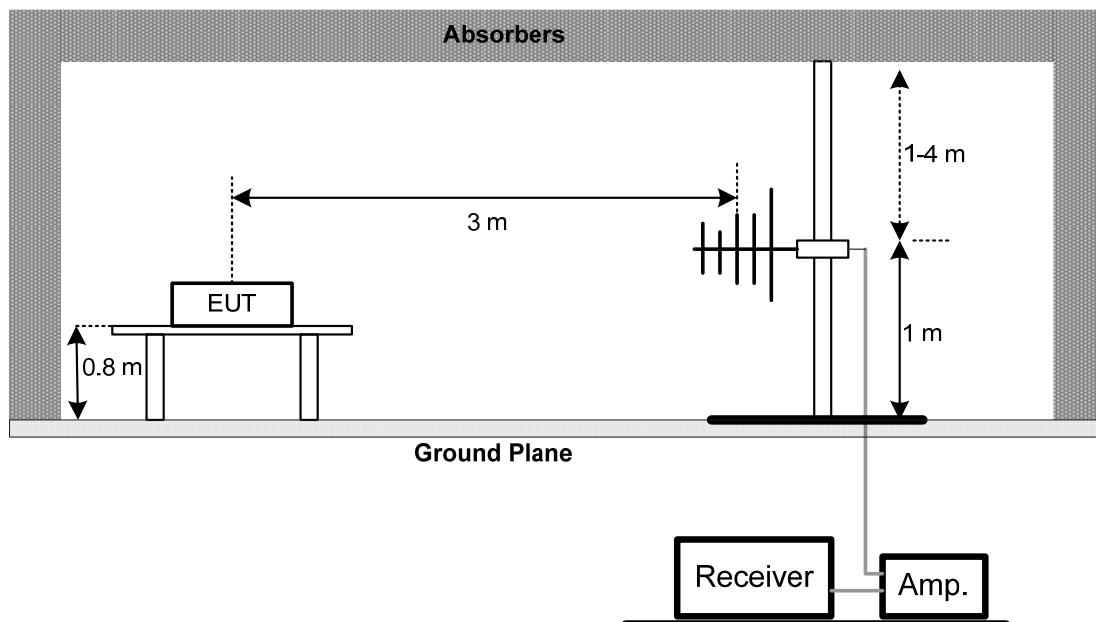
No deviation.

5.4 TEST SETUP

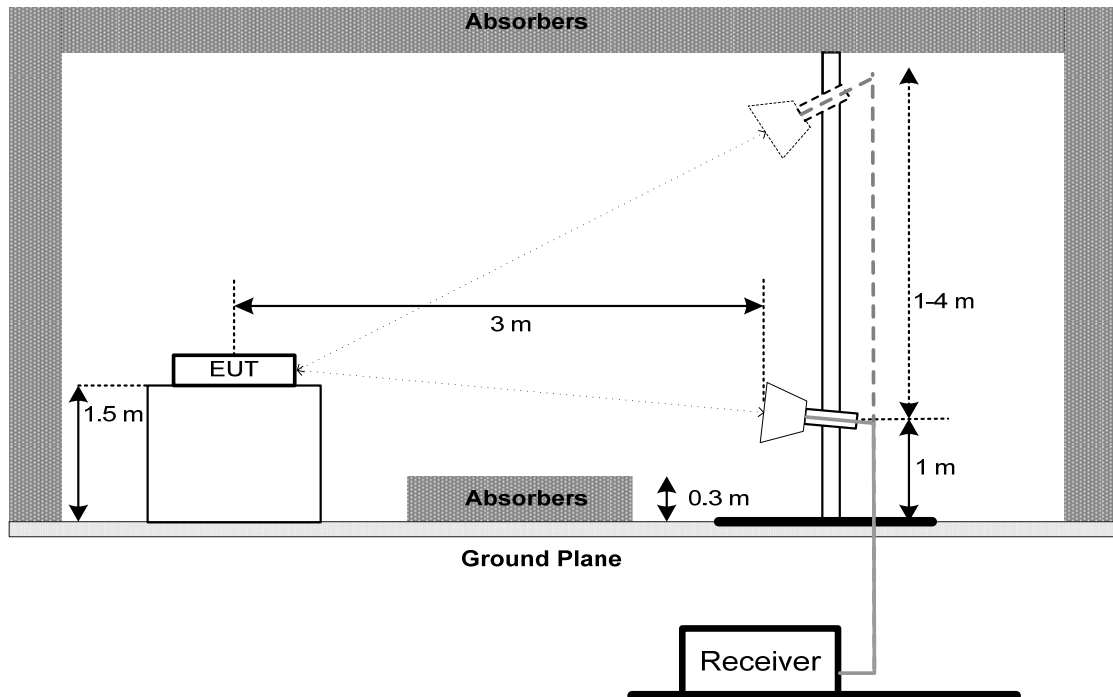
9 kHz to 30 MHz



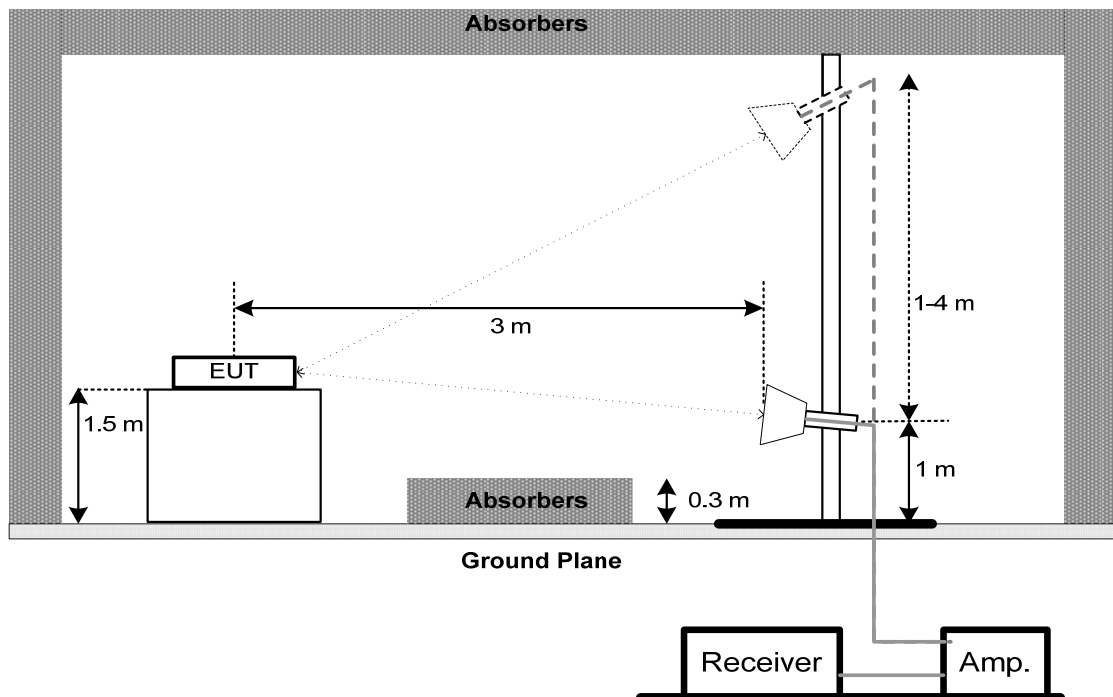
30 MHz to 1 GHz

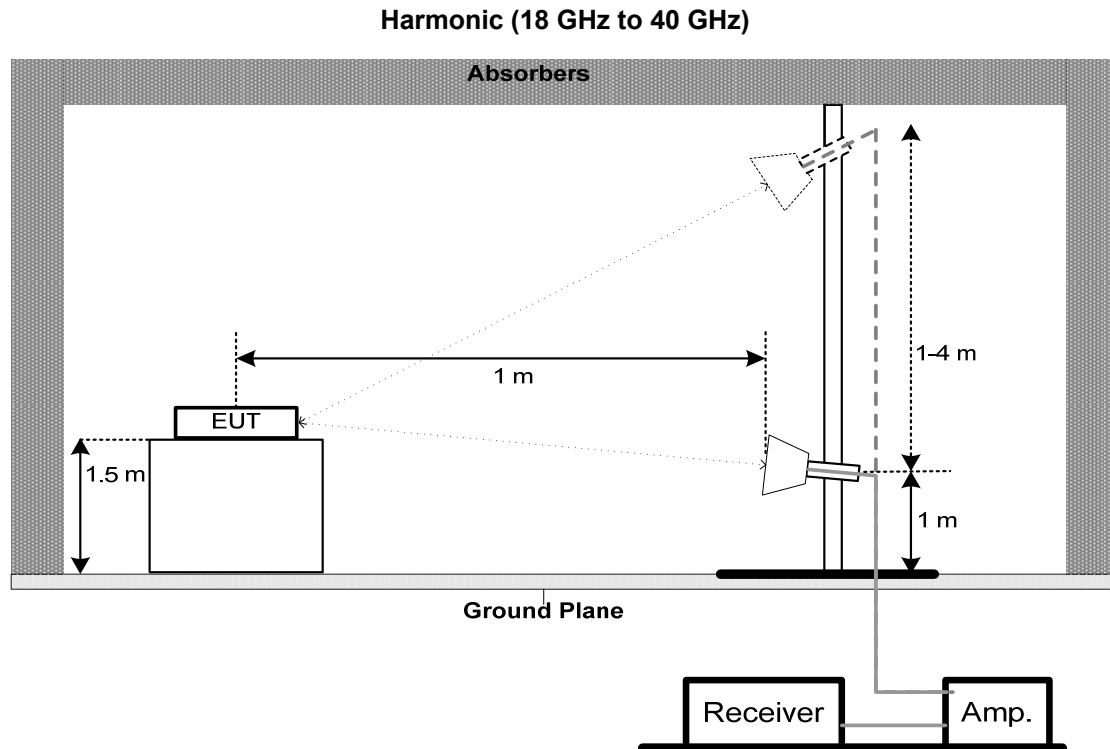


Above 1 GHz Band edge



Harmonic (1 GHz to 18 GHz)





5.5 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.

5.6 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.

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

5.8 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.

6. BANDWIDTH

6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a) FCC 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

6.2 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-1, UNII-2A, 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 UNII-3:

Spectrum Parameter	Setting
Span Frequency	> 6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
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 / 6 dB below carrier.

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 E.

7. MAXIMUM OUTPUT POWER

7.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Maximum Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

- For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

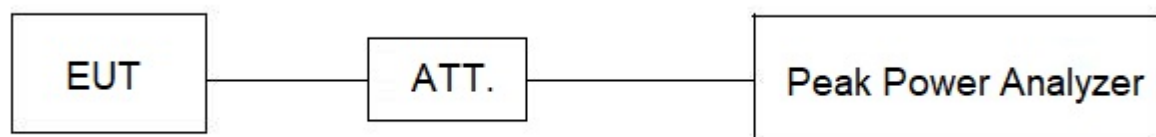
7.2 TEST PROCEDURE

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

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 F.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

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:
For UNII-1, UNII-2A, 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

For UNII-3:

Spectrum Parameter	Setting
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	100 kHz.
VBW	300 kHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/100 \text{ kHz})$ to the measured result, i.e. 7 dB.
- During the test of U-NII 3 PSD, the measurement result with RBW=100kHz has been added 7 dB by compensating offset. For example, the cable loss is 13 dB, and the final offset is $13 + 7 = 20 \text{ dB}$ when RBW=100kHz is used.

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 G.

9. FREQUENCY STABILITY

9.1 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.	5150-5250
			5250-5350
			5470-5725
			5725-5850

9.2 TEST PROCEDURE

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

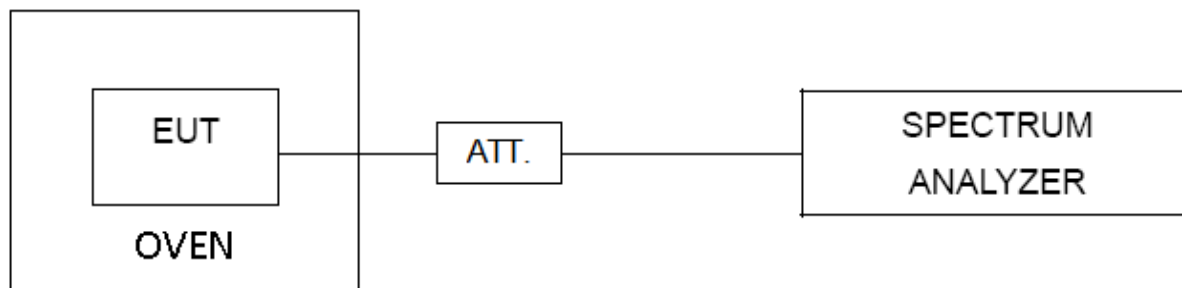
Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- User manual temperature is -25°C~75°C.

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 22, 2024
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 22, 2024
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Nov. 27, 2024
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 2024
3	Cable	N/A	RW2350-3.8A-NMB M-1.5M	N/A	Jun. 09, 2025
4	Cable	N/A	RG 213/U	N/A	Jun. 09, 2025
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1462	Dec. 13, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 13, 2024
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	Nov. 17, 2024
4	Cable	RegalWay	LMR400-NMNM-12.5m	N/A	Jun. 06, 2025
5	Cable	RegalWay	LMR400-NMNM-3m	N/A	Jun. 06, 2025
6	Cable	RegalWay	LMR400-NMNM-0.5m	N/A	Jun. 06, 2025
7	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	CM	9*6*6	N/A	May 16, 2025

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Nov. 17, 2024
3	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	May 31, 2025
4	Double Ridged Guide Antenna	ETS	3115	75789	Jun. 15, 2025
5	Cable	RegalWay	RWLP50-4.0A-SMSM-12.5M	N/A	Jul. 03, 2025
6	Cable	RegalWay	RWLP50-4.0A-NMRA SM-2.5M	N/A	Jul. 03, 2025
7	Cable	RegalWay	RWLP50-4.0A-NMRA SMRA-0.8M	N/A	Jul. 03, 2025
8	966 Chamber room	CM	9*6*6	N/A	May 19, 2025
9	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
11	966 Chamber room	CM	9*6*6	N/A	May 16, 2025
12	Positioning Controller	MF	MF-7802	N/A	N/A
13	Filter	STI	STI15-9969	N/A	May 31, 2025
14	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330-K	619413	Jul. 17, 2025
15	Cable	RegalWay	RWLP50-2.6A-2.92M 2.92M-1.1M	N/A	Jul. 25, 2025
16	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 25, 2025
17	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 16, 2025
18	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	May 31, 2025

Bandwidth & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	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	May 31, 2025
2	Wideband power sensor	Keysight	N1923A	MY58310004	May 31, 2025
3	Isolation attenuator	Z-Link	ASMA-10-18-2W	N/A	N/A

Frequency Stability					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Desktop Constant Temperature Chamber	BELL	BTH-50C	20170306001	Jan. 19, 2025
4	DC power supply	UNI-T	UDP6721	AWP7224050031	Mar. 20, 2025
5	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A

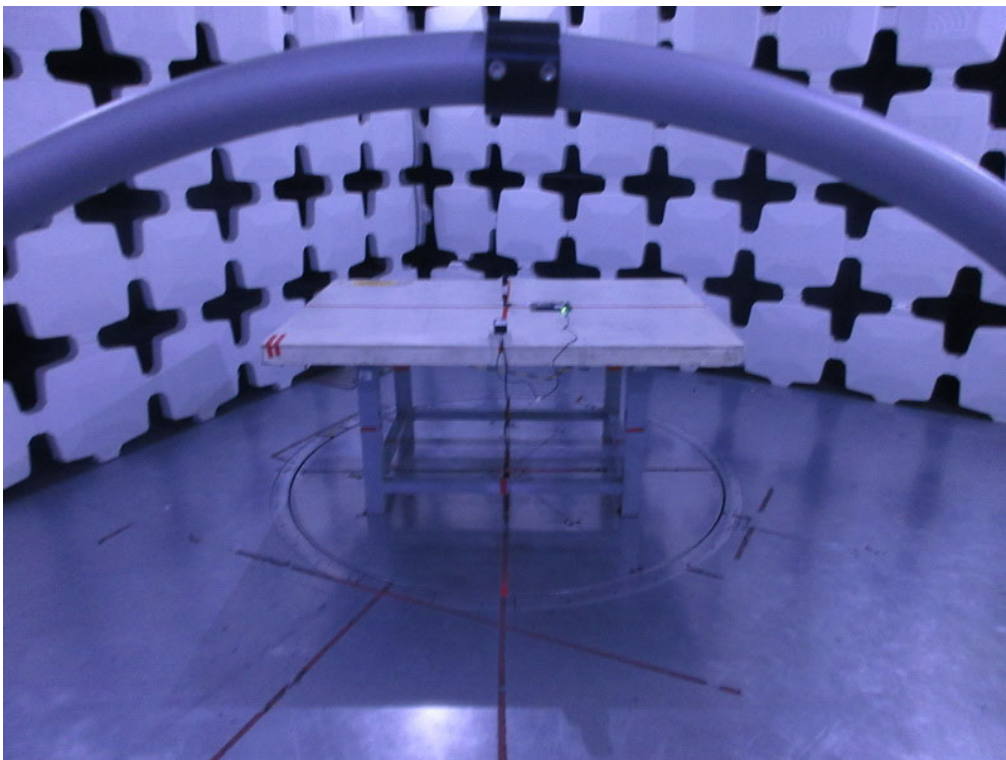
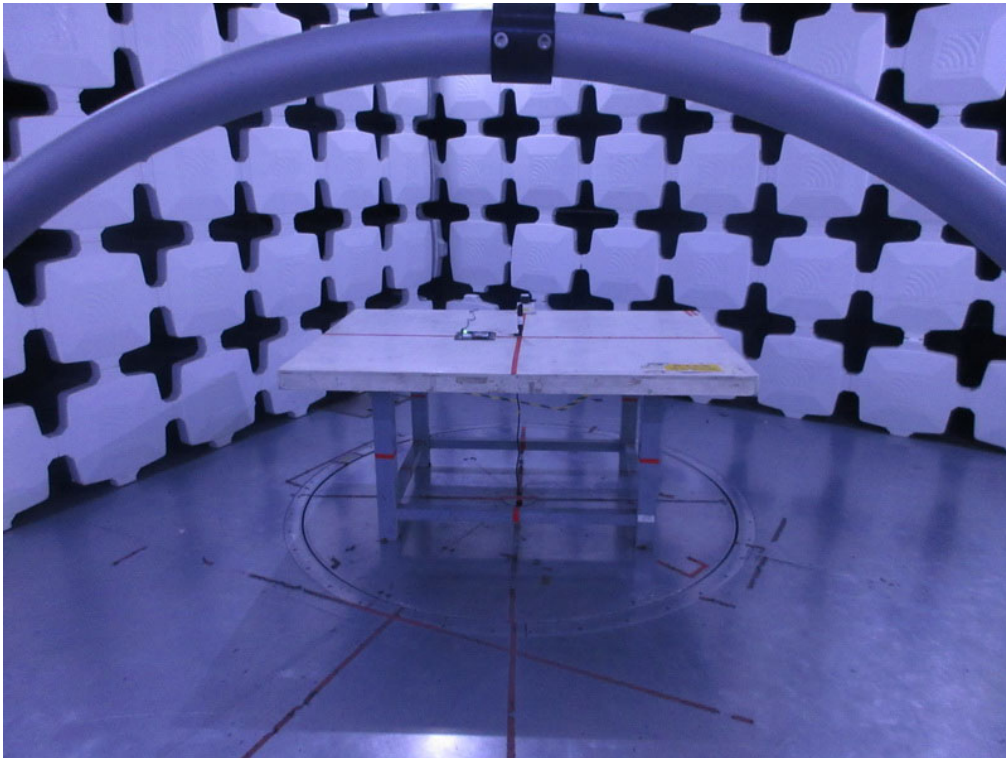
Remark: "N/A" denotes no model name, serial no. or calibration specified.

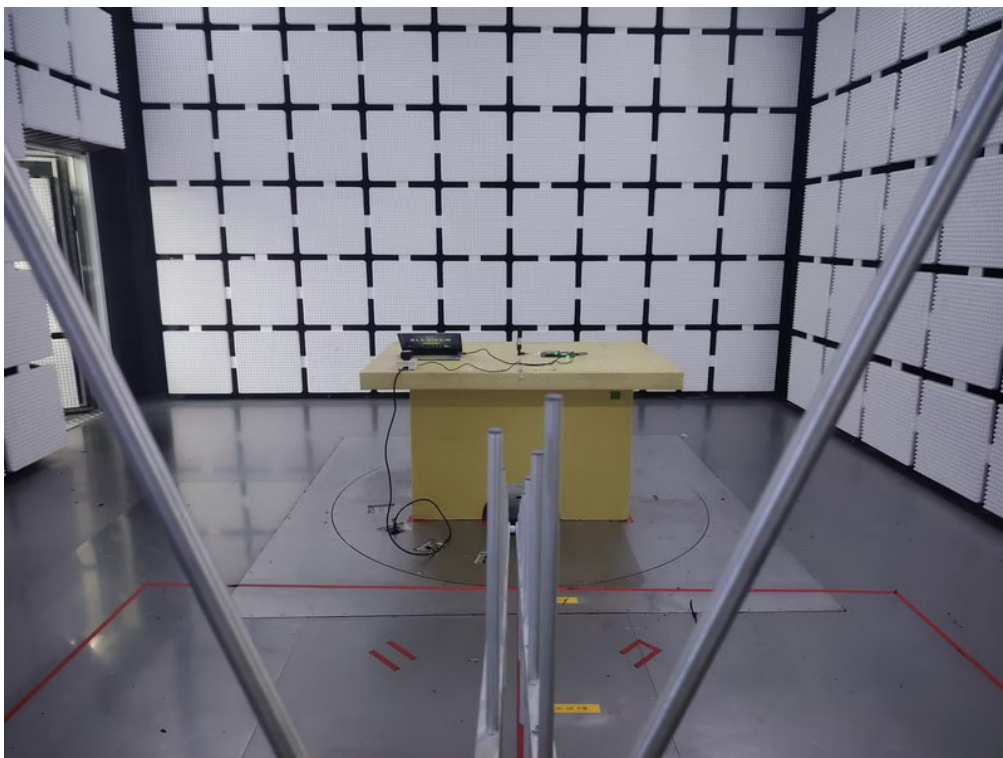
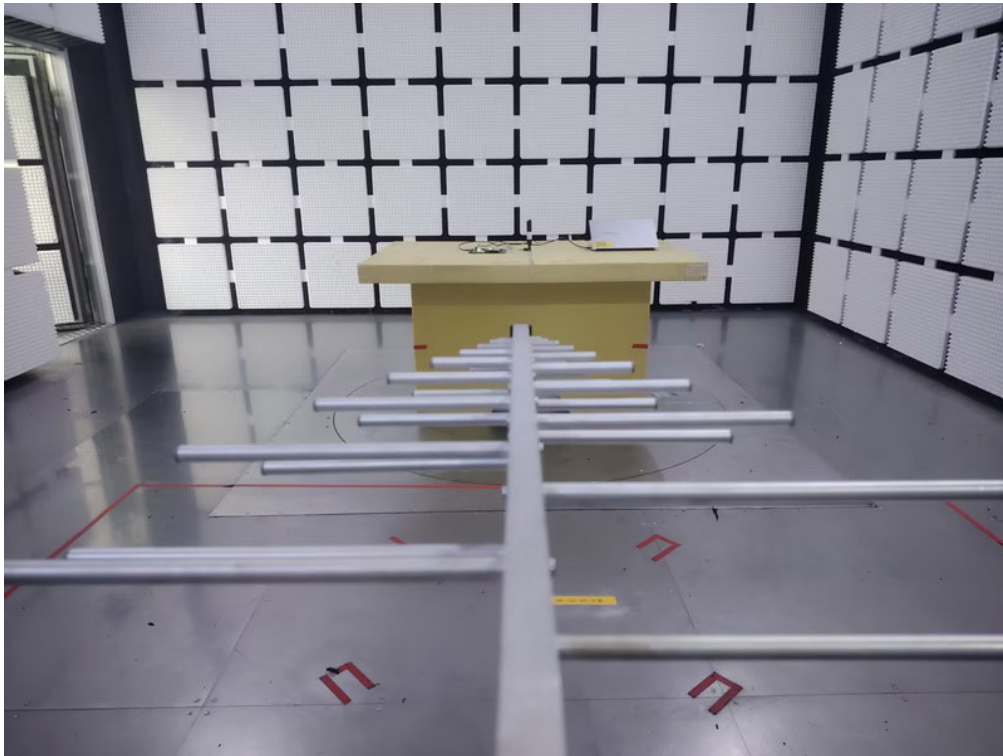
All calibration period of equipment list is one year.

11. EUT TEST PHOTOS**AC Power Line Conducted Emissions Test Photos**

Radiated Emissions Test Photos

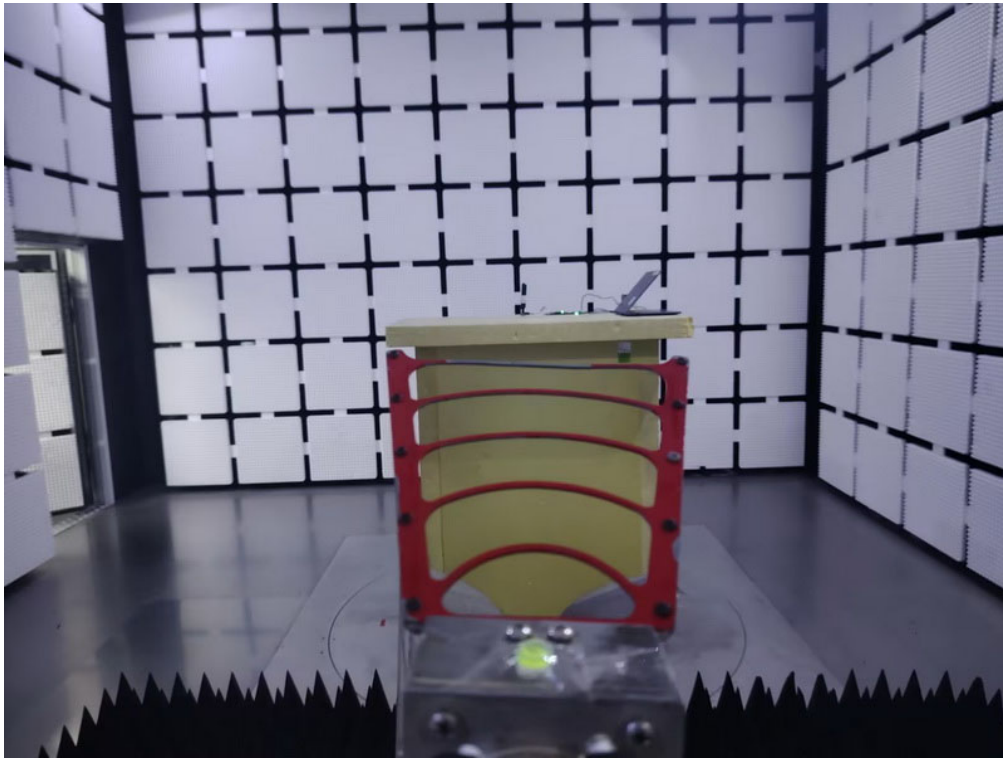
9 kHz to 30 MHz

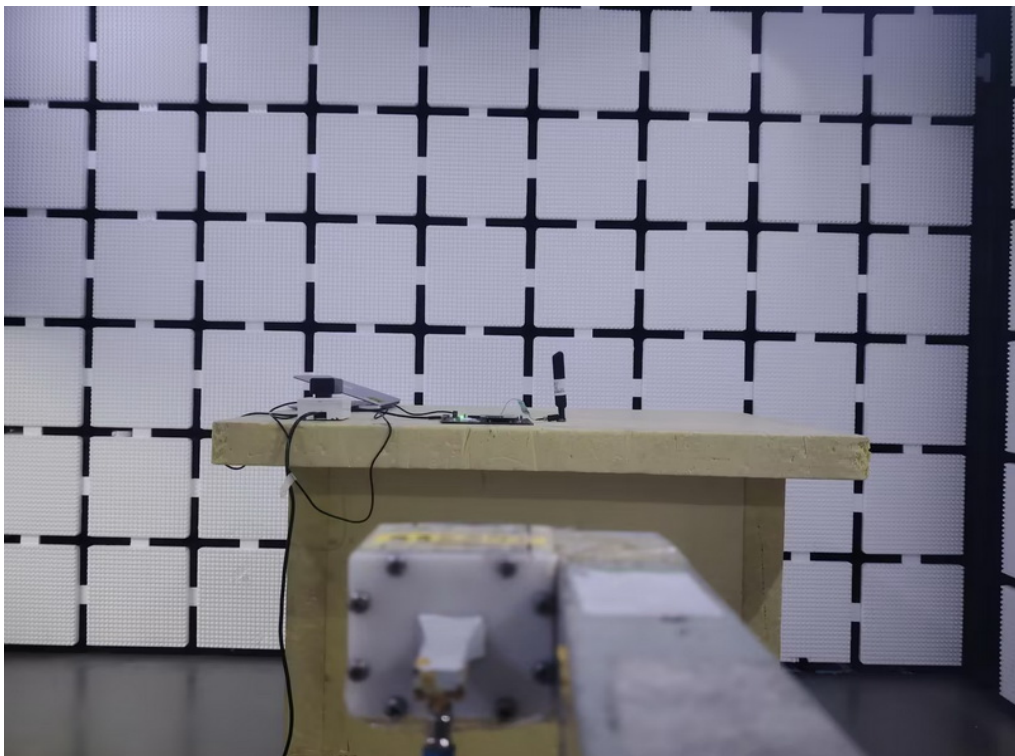
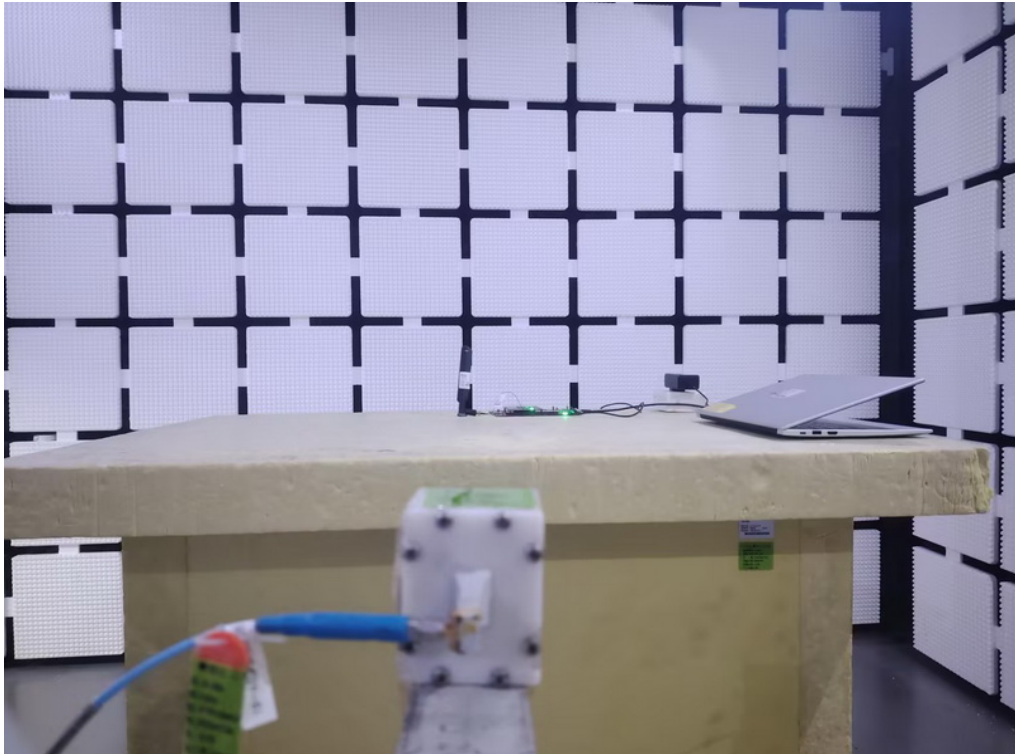


Radiated Emissions Test Photos**30 MHz to 1 GHz**

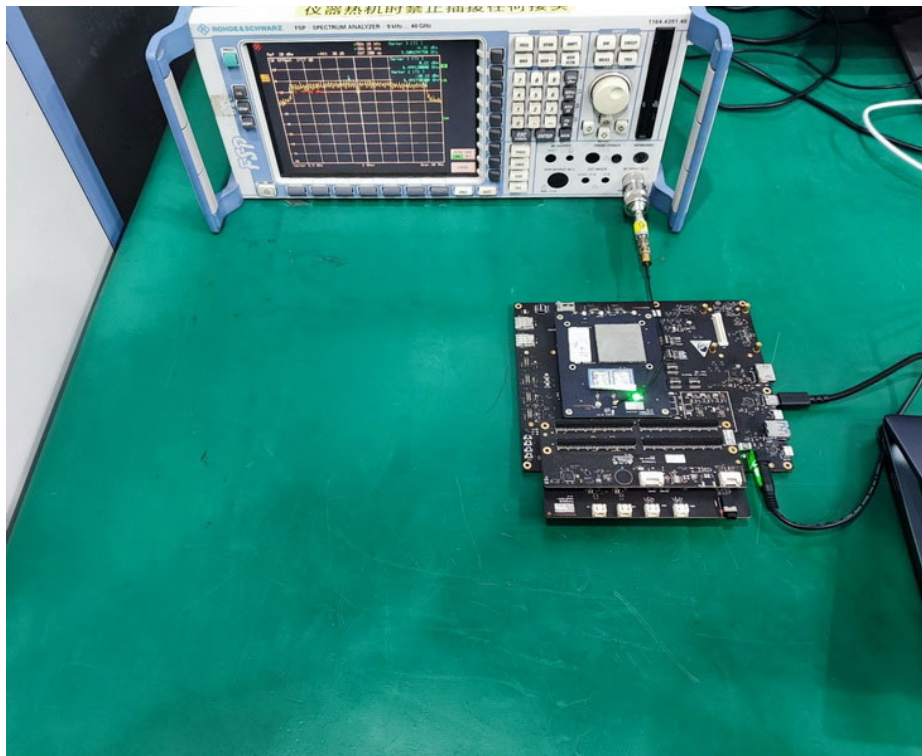
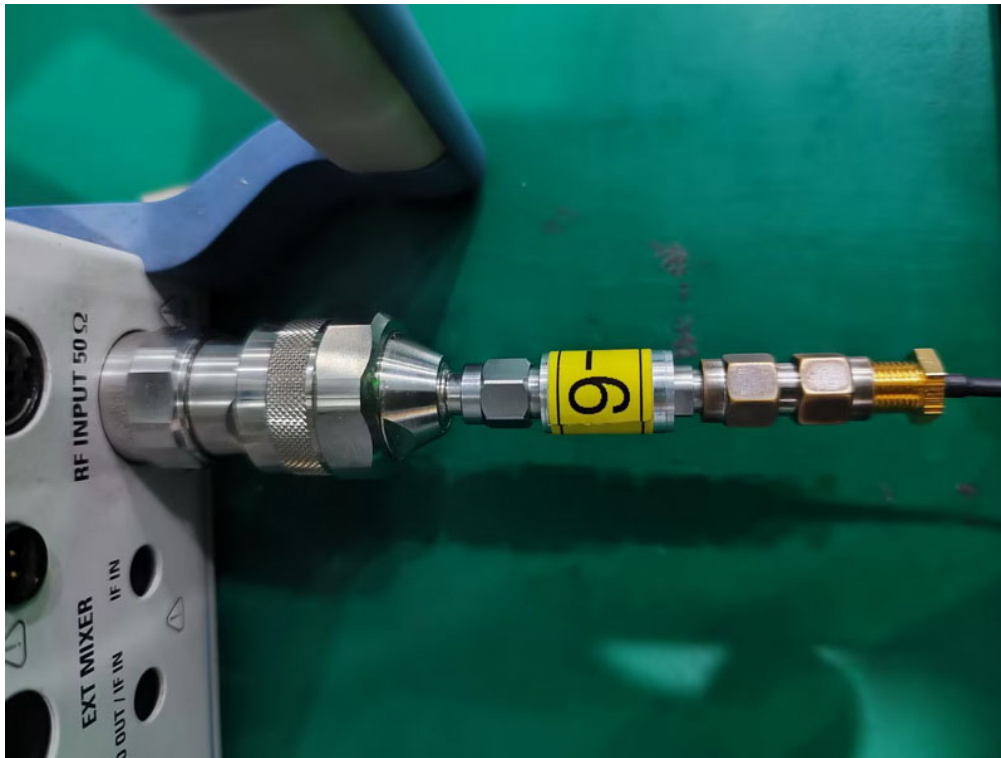
Radiated Emissions Test Photos

Band edge & Harmonic



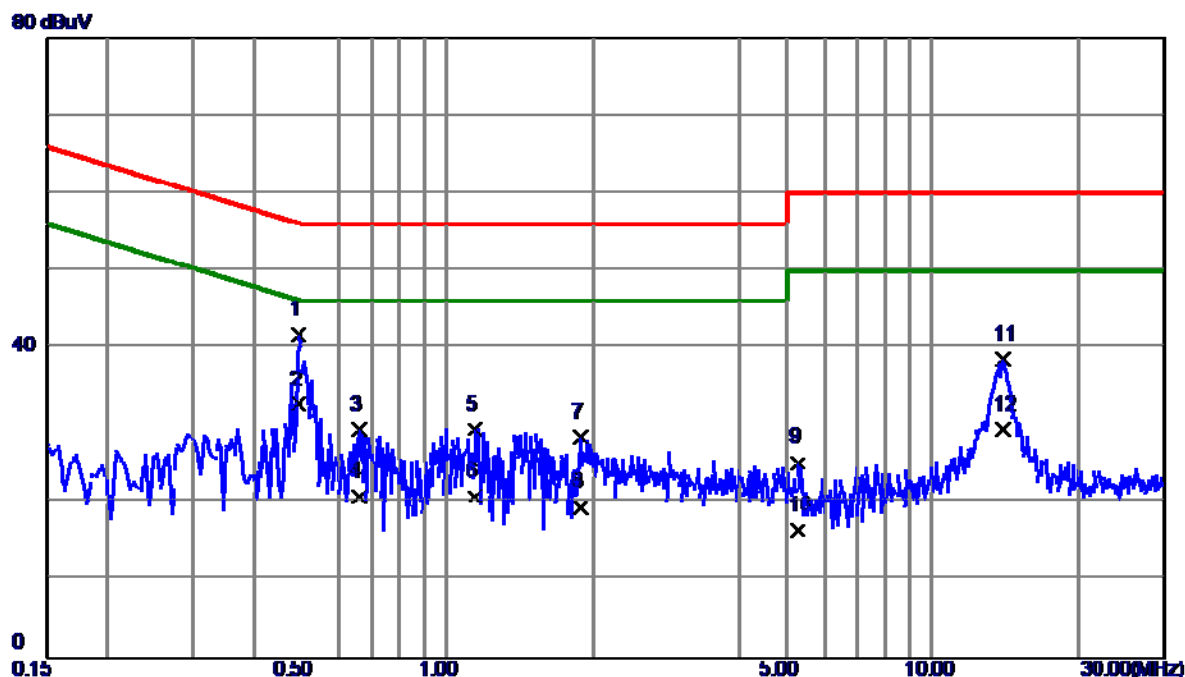
Radiated Emissions Test Photos**Harmonic (18 GHz to 40 GHz)**

Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX AC(VHT20) Mode Channel 36 (UNII-1)	Phase	Line
-----------	---------------------------------------	-------	------

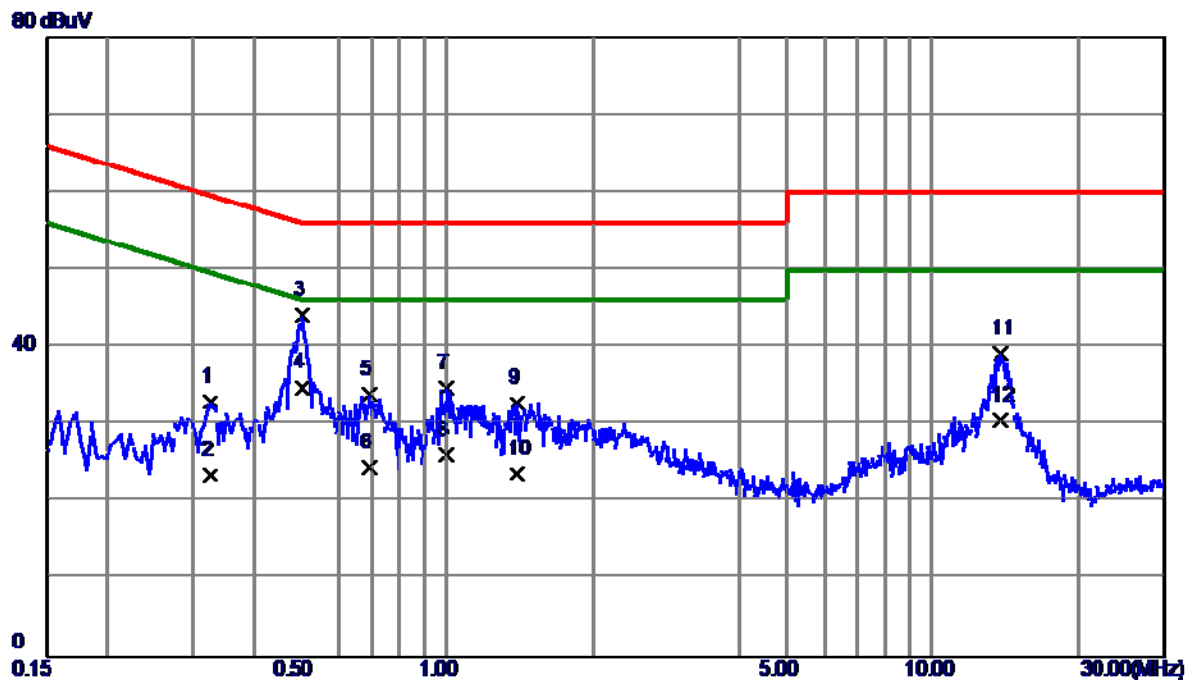


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.4965	31.07	10.62	41.69	56.06	-14.37	QP	
2 *	0.4965	22.10	10.62	32.72	46.06	-13.34	AVG	
3	0.6630	18.55	10.94	29.49	56.00	-26.51	QP	
4	0.6630	9.90	10.94	20.84	46.00	-25.16	AVG	
5	1.1445	18.17	11.30	29.47	56.00	-26.53	QP	
6	1.1445	9.50	11.30	20.80	46.00	-25.20	AVG	
7	1.8825	17.50	11.04	28.54	56.00	-27.46	QP	
8	1.8825	8.40	11.04	19.44	46.00	-26.56	AVG	
9	5.2800	14.38	10.82	25.20	60.00	-34.80	QP	
10	5.2800	5.61	10.82	16.43	50.00	-33.57	AVG	
11	13.9470	25.93	12.70	38.63	60.00	-21.37	QP	
12	13.9470	16.70	12.70	29.40	50.00	-20.60	AVG	

REMARKS:

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

Test Mode	TX AC(VHT20) Mode Channel 36 (UNII-1)	Phase	Neutral
-----------	---------------------------------------	-------	---------



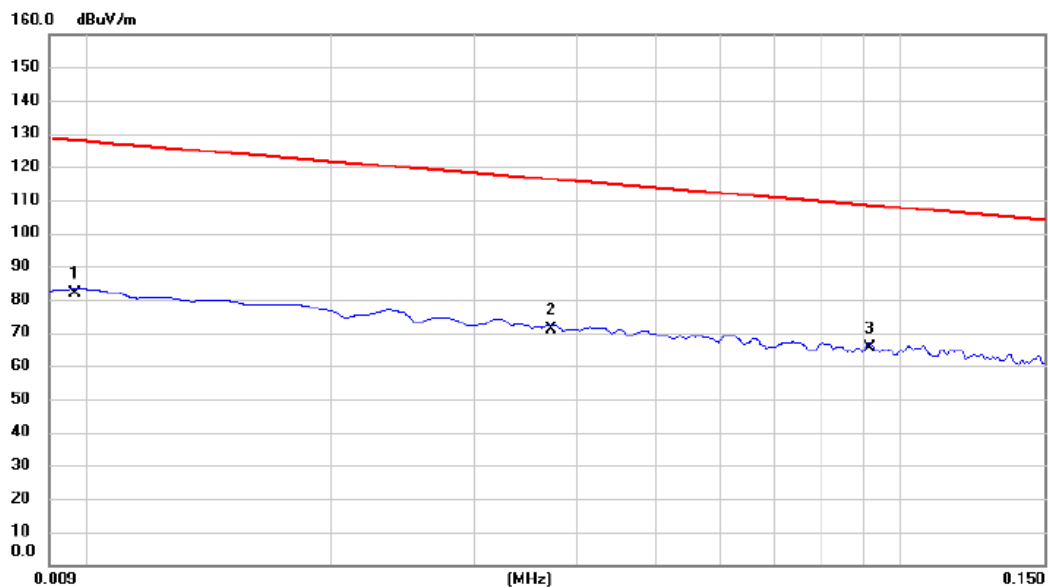
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.3255	22.82	10.19	33.01	59.57	-26.56	QP	
2	0.3255	13.30	10.19	23.49	49.57	-26.08	AVG	
3	0.5055	33.55	10.60	44.15	56.00	-11.85	QP	
4 *	0.5055	24.20	10.60	34.80	46.00	-11.20	AVG	
5	0.6945	22.91	10.94	33.85	56.00	-22.15	QP	
6	0.6945	13.60	10.94	24.54	46.00	-21.46	AVG	
7	1.0005	23.54	11.21	34.75	56.00	-21.25	QP	
8	1.0005	14.80	11.21	26.01	46.00	-19.99	AVG	
9	1.3965	21.53	11.24	32.77	56.00	-23.23	QP	
10	1.3965	12.49	11.24	23.73	46.00	-22.27	AVG	
11	13.7985	26.62	12.62	39.24	60.00	-20.76	QP	
12	13.7985	17.91	12.62	30.53	50.00	-19.47	AVG	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX AC(VHT20) Mode Channel 36 (UNII-1)	Polarization	Ant 0°
-----------	---------------------------------------	--------------	--------



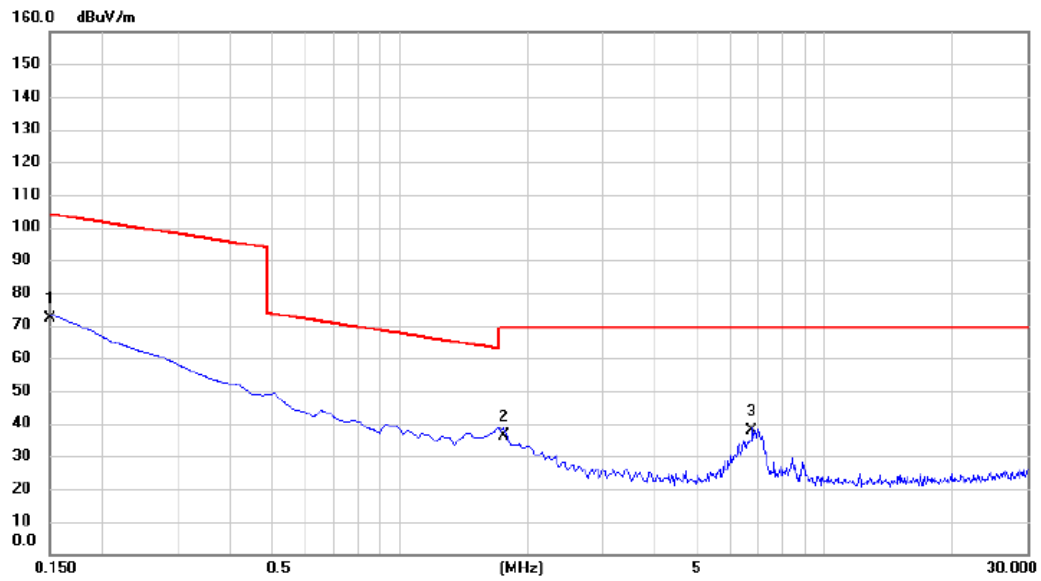
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0097	61.46	20.47	81.93	127.87	-45.94	AVG	
2		0.0372	50.03	21.14	71.17	116.19	-45.02	AVG	
3	*	0.0915	43.89	21.33	65.22	108.38	-43.16	QP	

REMARKS:

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

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

Test Mode	TX AC(VHT20) Mode Channel 36 (UNII-1)	Polarization	Ant 0°
-----------	---------------------------------------	--------------	--------

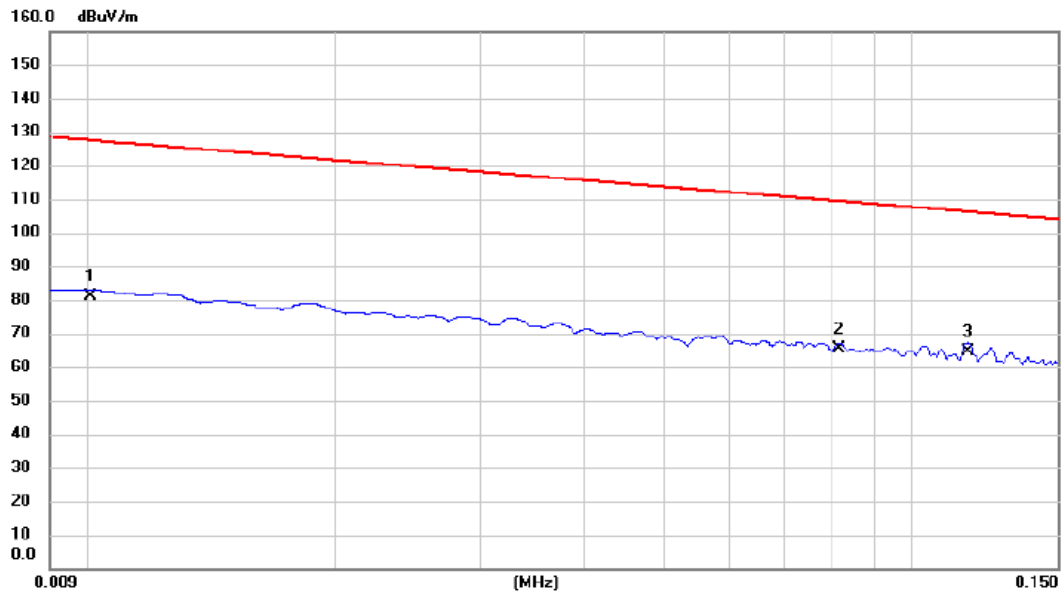


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.1500	51.12	21.27	72.39	104.09	-31.70	AVG	
2		1.7620	15.25	21.12	36.37	69.54	-33.17	QP	
3		6.7468	16.54	21.19	37.73	69.54	-31.81	QP	

REMARKS:

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

Test Mode	TX AC(VHT20) Mode Channel 36 (UNII-1)	Polarization	Ant 90°
-----------	---------------------------------------	--------------	---------

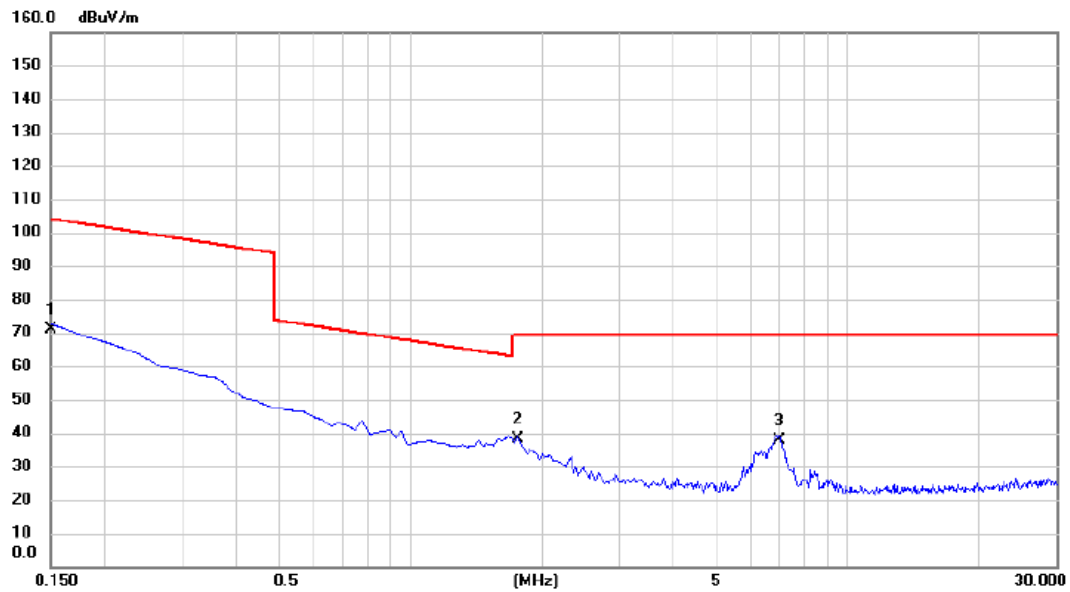


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0101	60.47	20.50	80.97	127.52	-46.55	AVG	
2		0.0816	44.23	21.30	65.53	109.37	-43.84	AVG	
3	*	0.1170	43.17	21.30	64.47	106.24	-41.77	QP	

REMARKS:

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

Test Mode	TX AC(VHT20) Mode Channel 36 (UNII-1)	Polarization	Ant 90°
-----------	---------------------------------------	--------------	---------



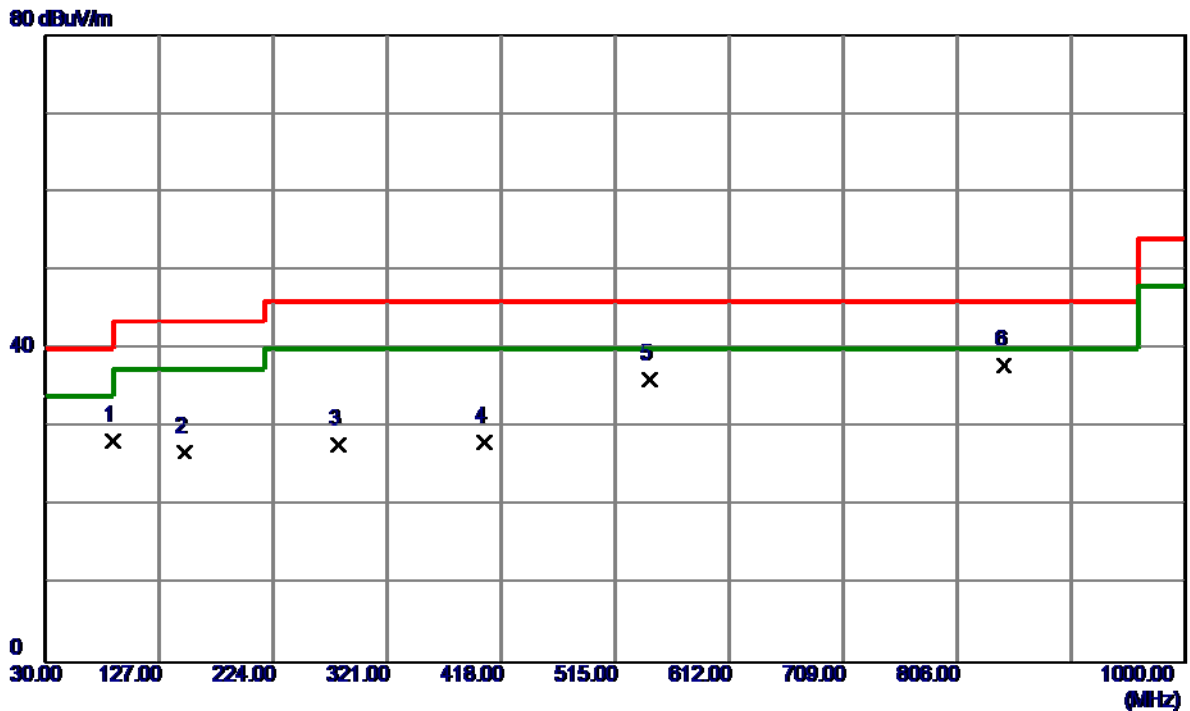
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.1500	49.86	21.27	71.13	104.09	-32.96	AVG	
2	*	1.7620	17.23	21.12	38.35	69.54	-31.19	QP	
3		6.9557	16.52	21.19	37.71	69.54	-31.83	QP	

REMARKS:

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX AC(VHT20) Mode Channel 36 (UNII-1)	Polarization	Vertical
-----------	---------------------------------------	--------------	----------

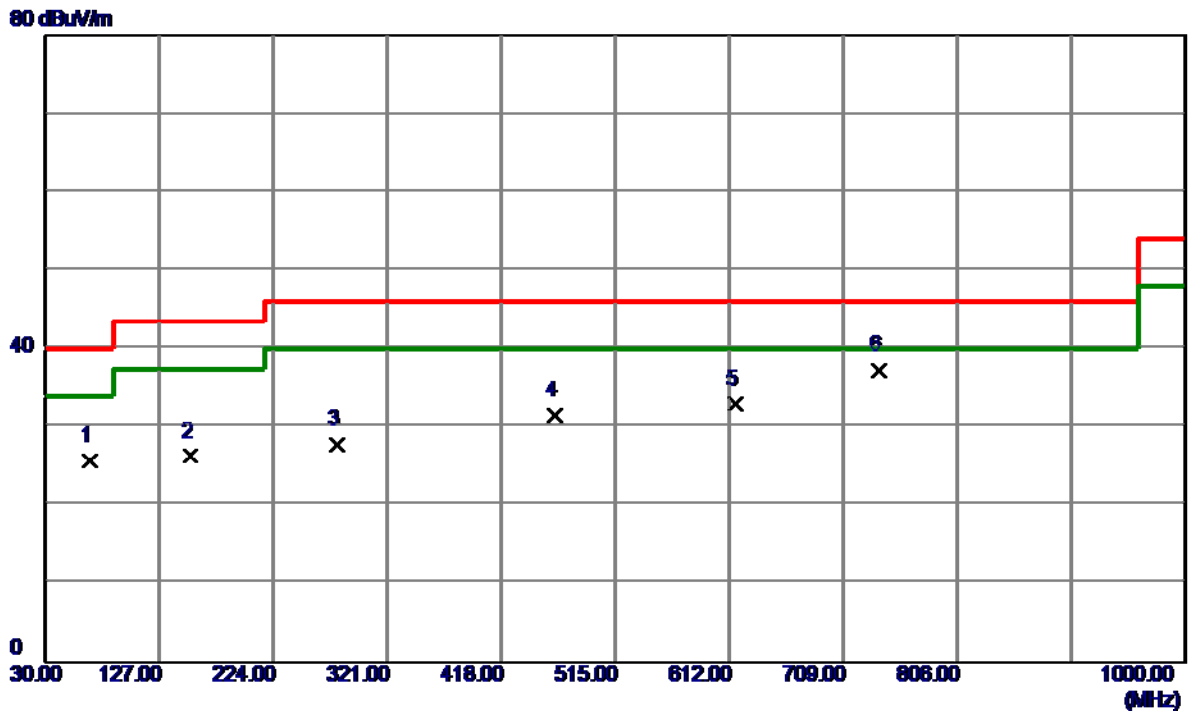


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	88.2000	45.15	-16.84	28.31	43.50	-15.19	Peak	
2	148.3400	38.19	-11.25	26.94	43.50	-16.56	Peak	
3	279.7750	38.83	-11.05	27.78	46.00	-18.22	Peak	
4	403.9350	36.15	-7.94	28.21	46.00	-17.79	Peak	
5	544.1000	41.20	-5.11	36.09	46.00	-9.91	Peak	
6 *	845.7700	38.31	-0.46	37.85	46.00	-8.15	Peak	

REMARKS:

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

Test Mode	TX AC(VHT20) Mode Channel 36 (UNII-1)	Polarization	Horizontal
-----------	---------------------------------------	--------------	------------



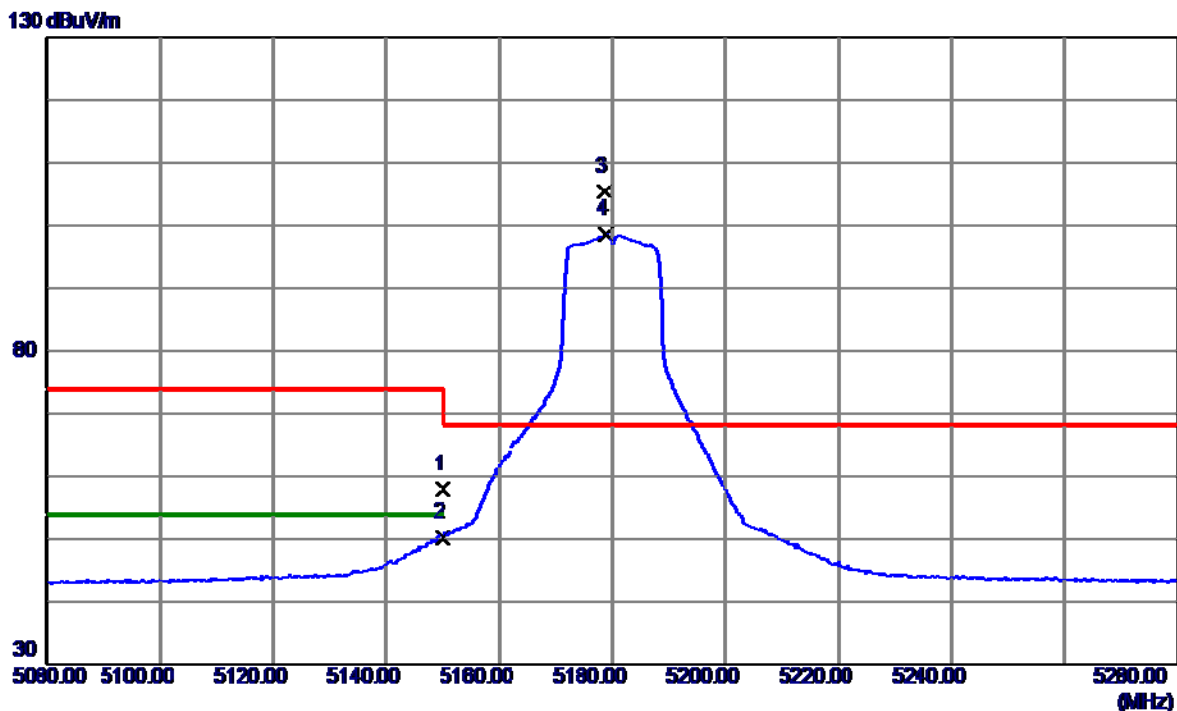
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	69.2850	39.16	-13.38	25.78	40.00	-14.22	Peak	
2	154.1600	37.35	-11.03	26.32	43.50	-17.18	Peak	
3	279.2900	38.95	-11.07	27.88	46.00	-18.12	Peak	
4	464.0750	38.12	-6.56	31.56	46.00	-14.44	Peak	
5	617.3350	36.25	-3.33	32.92	46.00	-13.08	Peak	
6 *	739.5550	38.57	-1.32	37.25	46.00	-8.75	Peak	

REMARKS:

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Vertical
-----------	---------------------------	--------------	----------

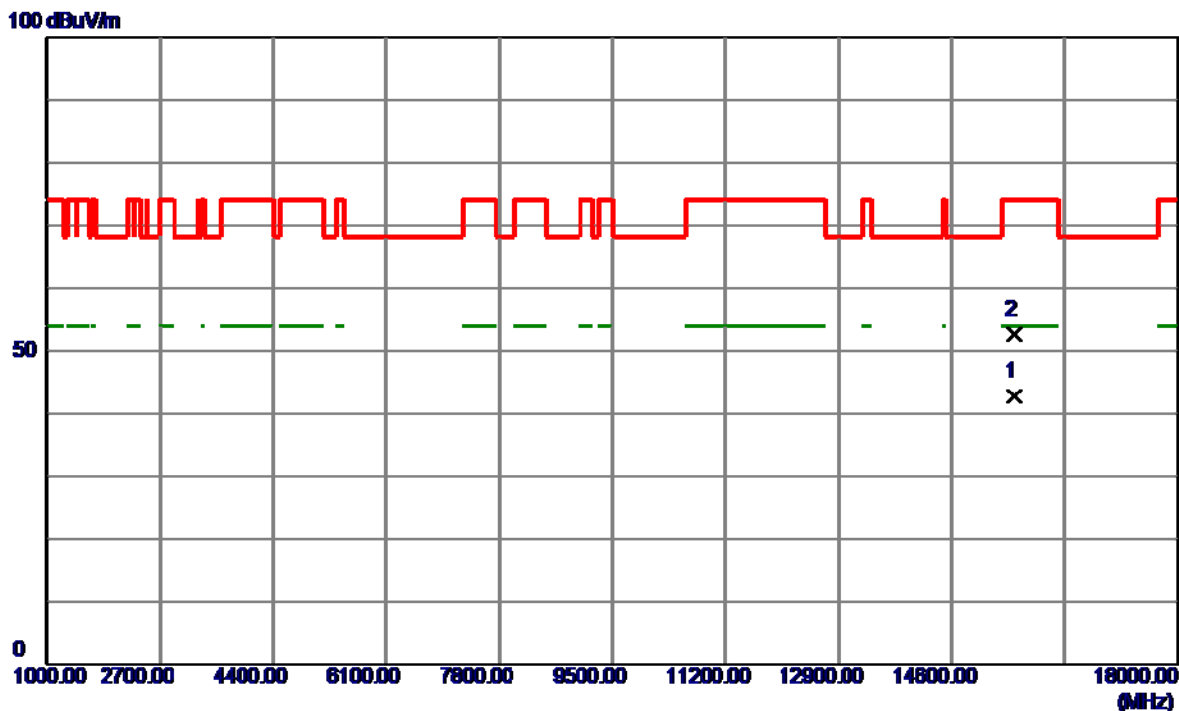


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	44.44	13.56	58.00	74.00	-16.00	Peak	
2	5150.0000	36.74	13.56	50.30	54.00	-3.70	AVG	
3 *	5178.7000	91.86	13.62	105.48	68.20	37.28	Peak	No Limit
4	5178.8000	85.00	13.62	98.62	999.00	-900.38	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5180 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

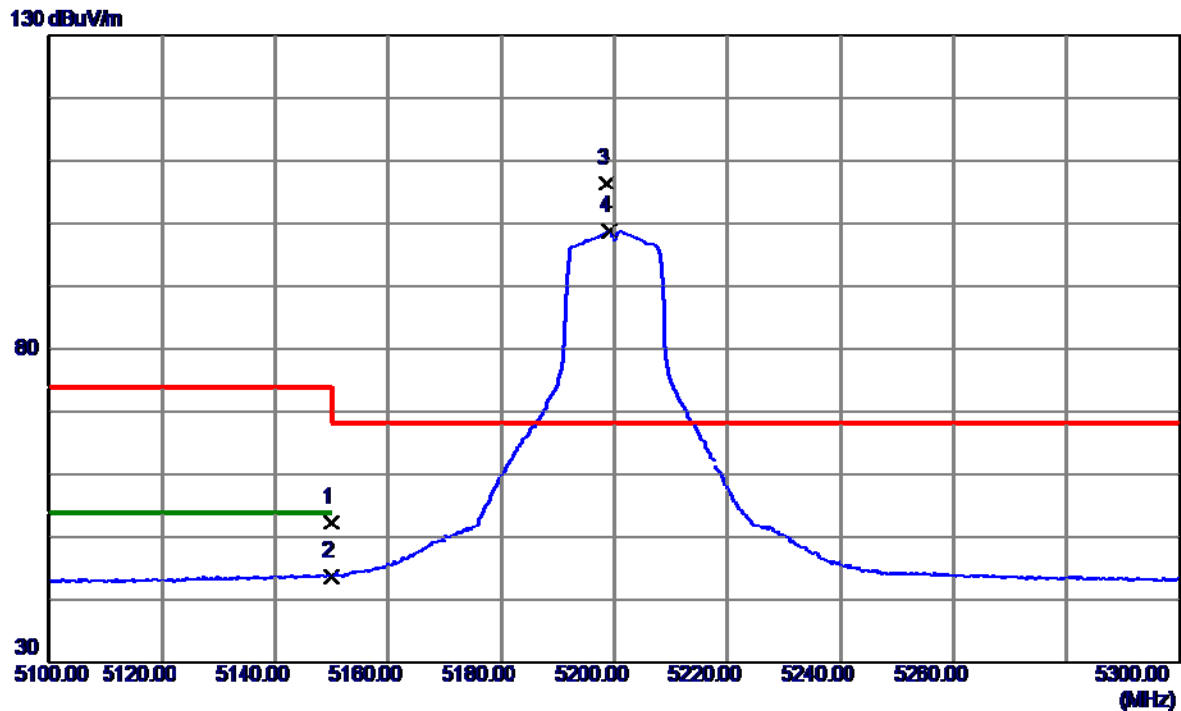


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15539.8500	33.95	8.90	42.85	54.00	-11.15	AVG	
2	15546.6750	43.76	8.91	52.67	74.00	-21.33	Peak	

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Vertical
-----------	---------------------------	--------------	----------

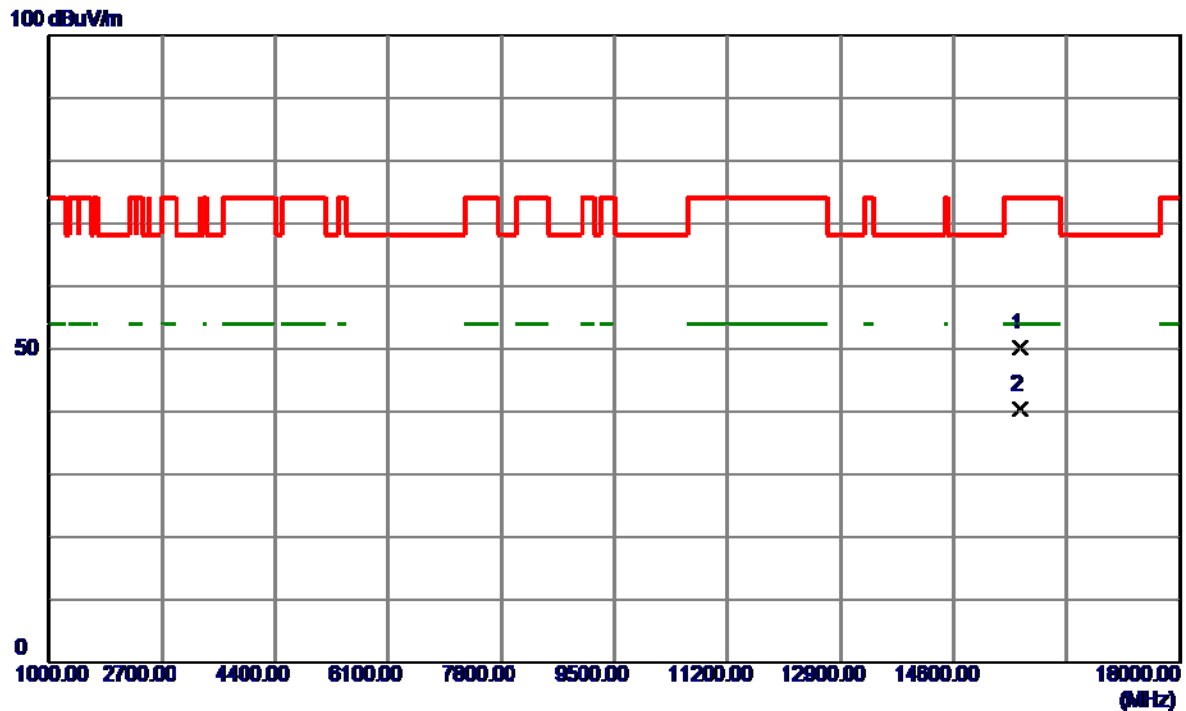


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	38.88	13.56	52.44	74.00	-21.56	Peak	
2	5150.0000	30.27	13.56	43.83	54.00	-10.17	AVG	
3 *	5198.7000	92.72	13.66	106.38	68.20	38.18	Peak	No Limit
4	5199.2000	85.23	13.66	98.89	999.00	-900.11	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5200 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

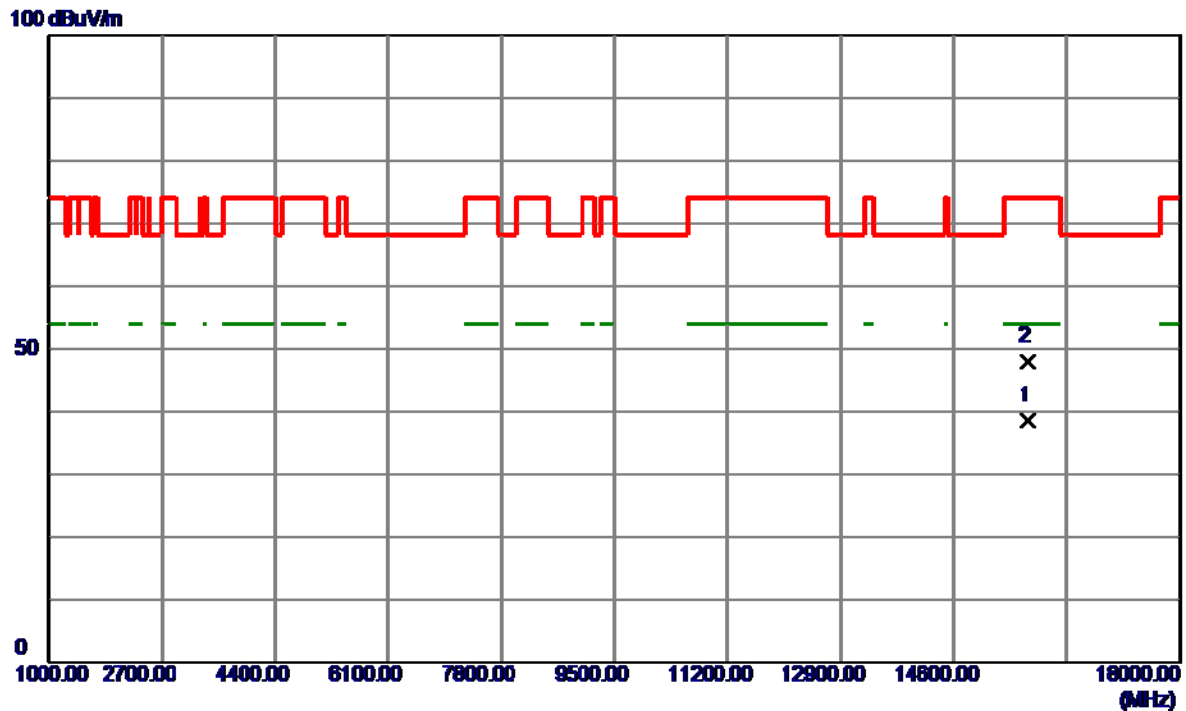


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15597.2250	41.25	8.98	50.23	74.00	-23.77	Peak	
2 *	15599.5000	31.38	8.99	40.37	54.00	-13.63	AVG	

REMARKS:

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

Test Mode	UNII-1_TX A Mode 5240 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

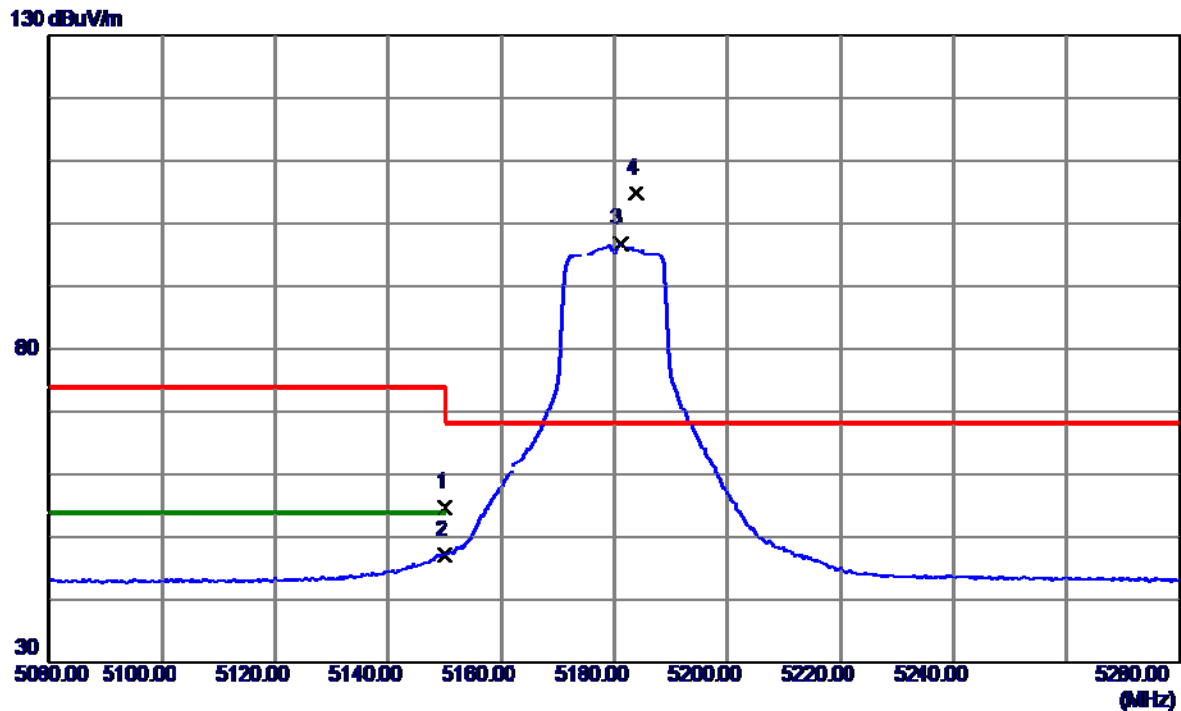


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15718.8250	29.51	9.16	38.67	54.00	-15.33	AVG	
2	15722.4250	38.92	9.16	48.08	74.00	-25.92	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

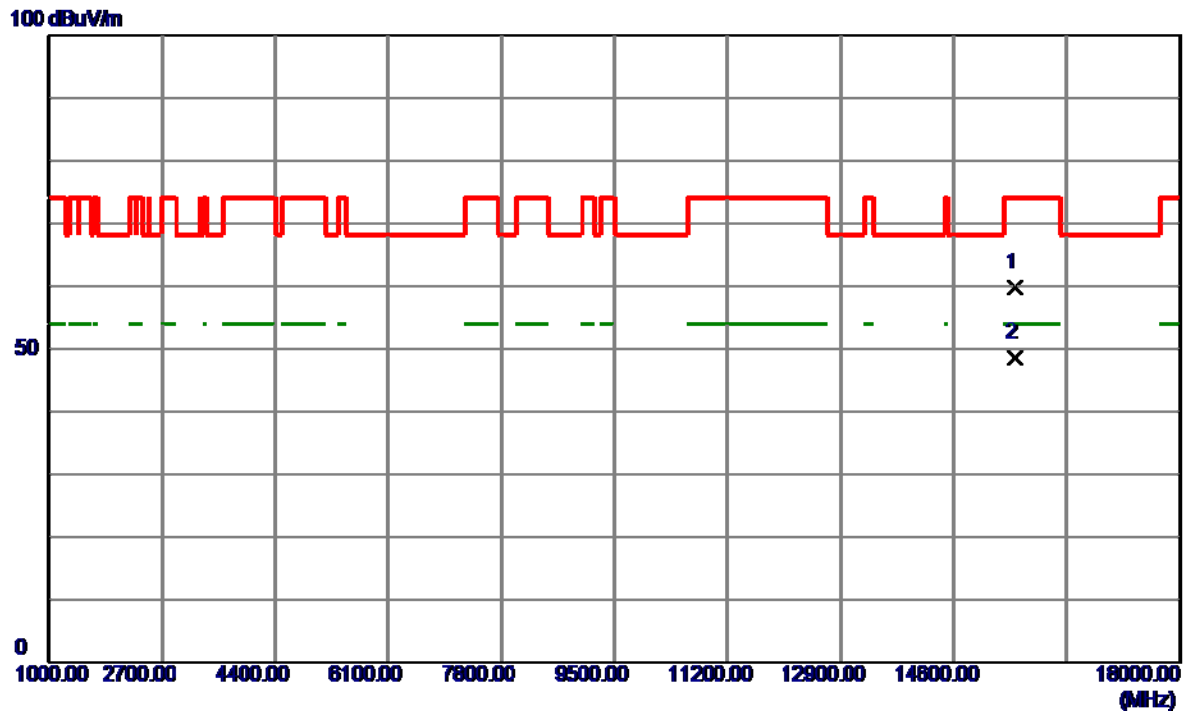


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	41.22	13.56	54.78	74.00	-19.22	Peak	
2	5150.0000	33.66	13.56	47.22	54.00	-6.78	AVG	
3	5181.0000	83.16	13.62	96.78	999.00	-902.22	AVG	No Limit
4 *	5183.8000	91.14	13.63	104.77	68.20	36.57	Peak	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

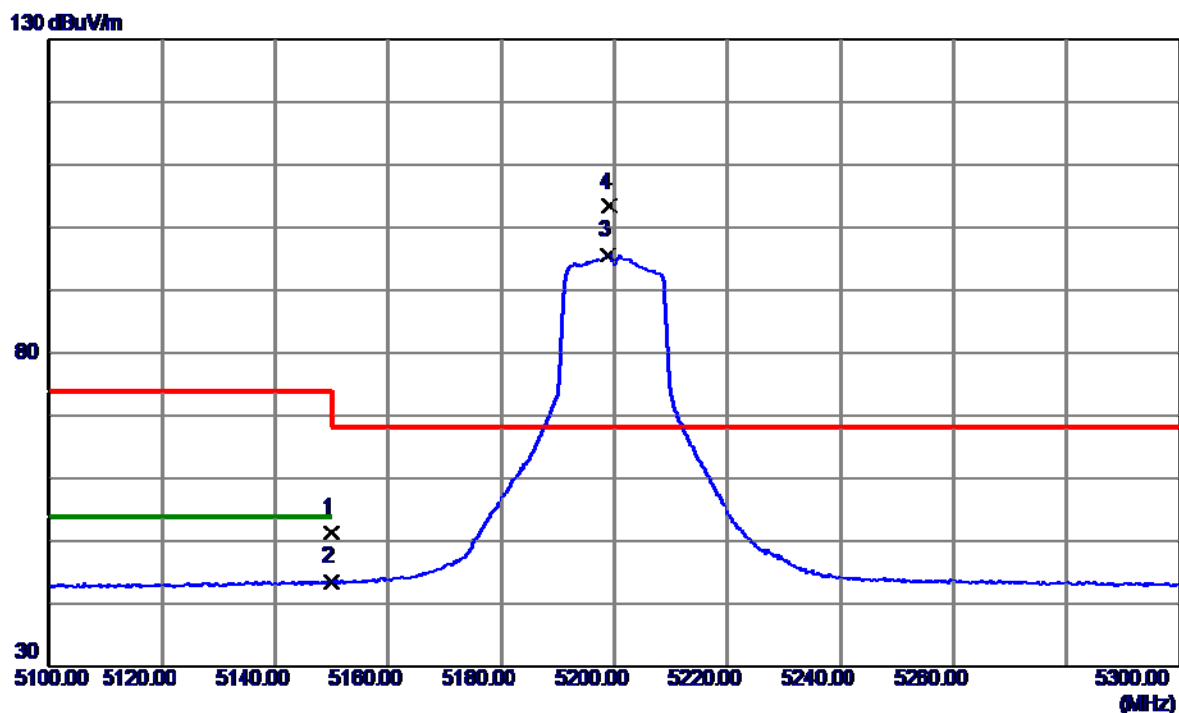


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15524.6540	50.88	8.88	59.76	74.00	-14.24	Peak	
2 *	15525.3750	39.81	8.88	48.69	54.00	-5.31	AVG	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

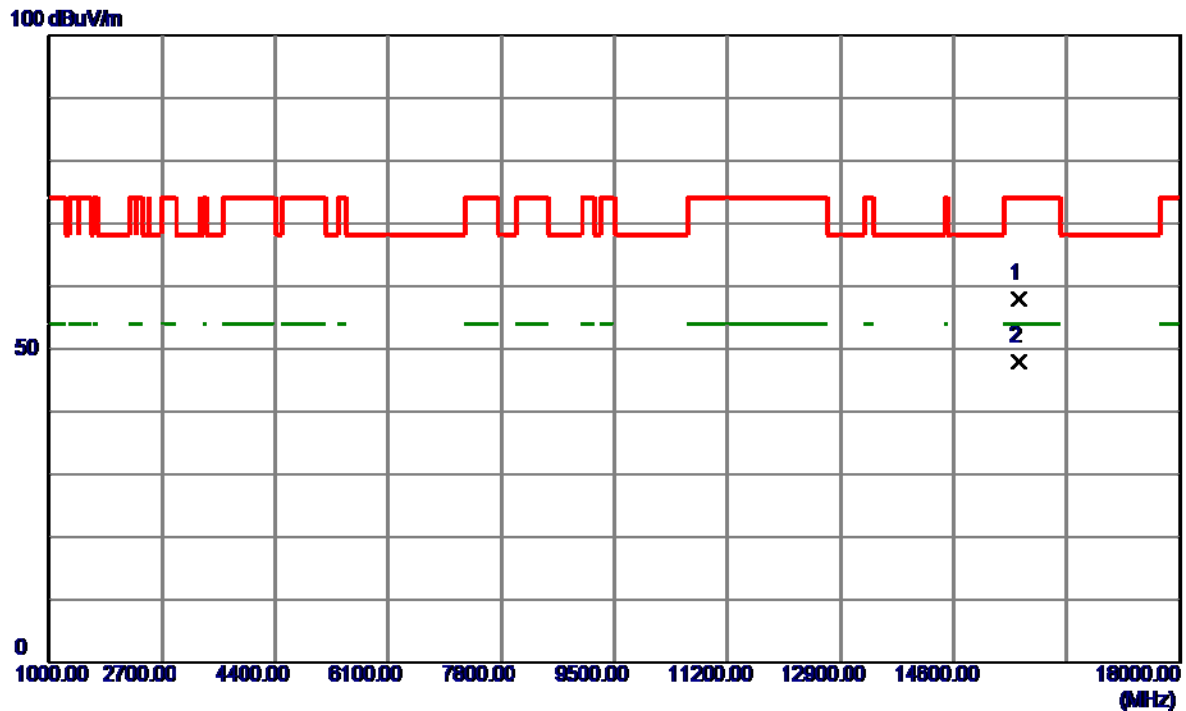


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	37.76	13.56	51.32	74.00	-22.68	Peak	
2	5150.0000	30.10	13.56	43.66	54.00	-10.34	AVG	
3	5198.8000	81.94	13.66	95.60	999.00	-903.40	AVG	No Limit
4 *	5199.1000	89.64	13.66	103.30	68.20	35.10	Peak	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5200 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

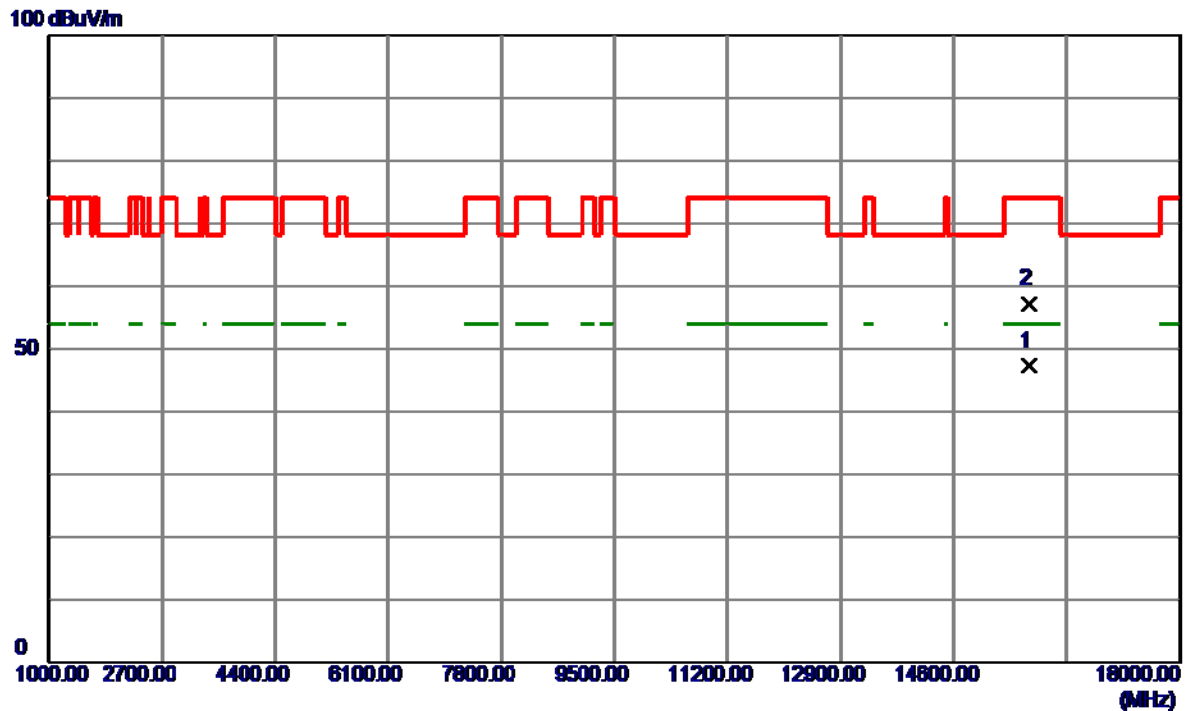


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15585.5240	48.95	8.97	57.92	74.00	-16.08	Peak	
2 *	15586.6250	39.00	8.97	47.97	54.00	-6.03	AVG	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5240 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

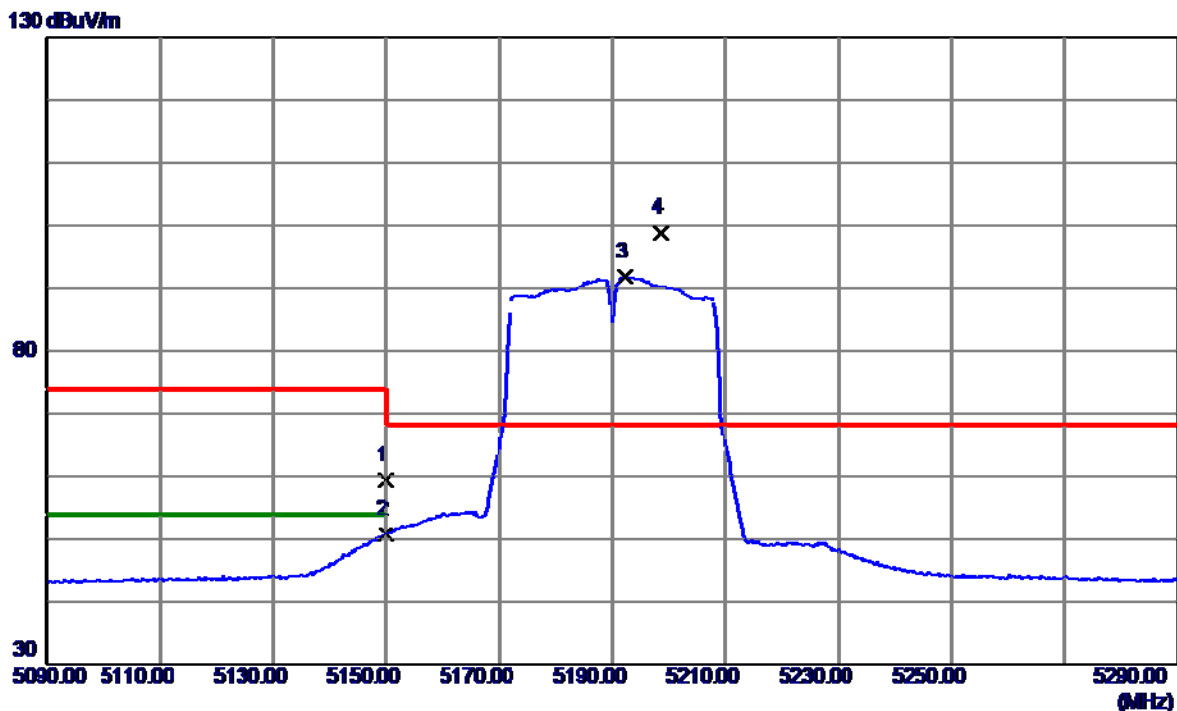


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15740.7250	38.11	9.19	47.30	54.00	-6.70	AVG	
2	15741.6240	48.09	9.19	57.28	74.00	-16.72	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

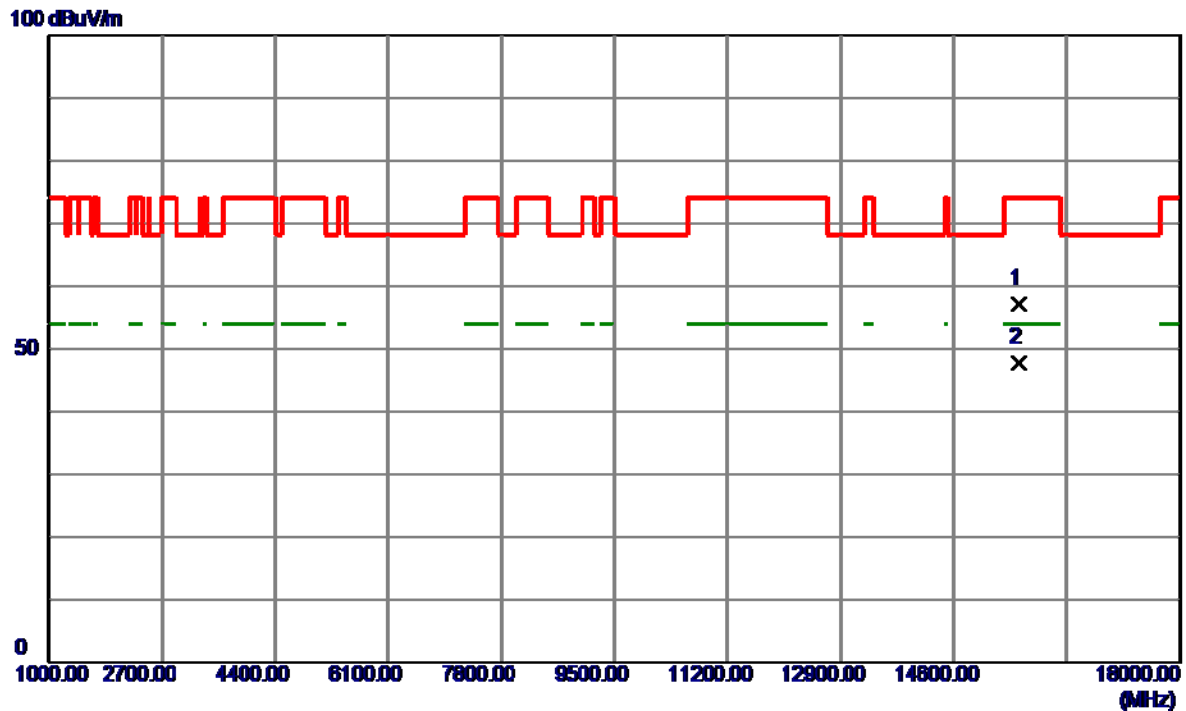


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	45.90	13.56	59.46	74.00	-14.54	Peak	
2	5150.0000	37.29	13.56	50.85	54.00	-3.15	AVG	
3	5192.3000	78.11	13.65	91.76	999.00	-907.24	AVG	No Limit
4 *	5198.7000	85.19	13.66	98.85	68.20	30.65	Peak	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5190 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

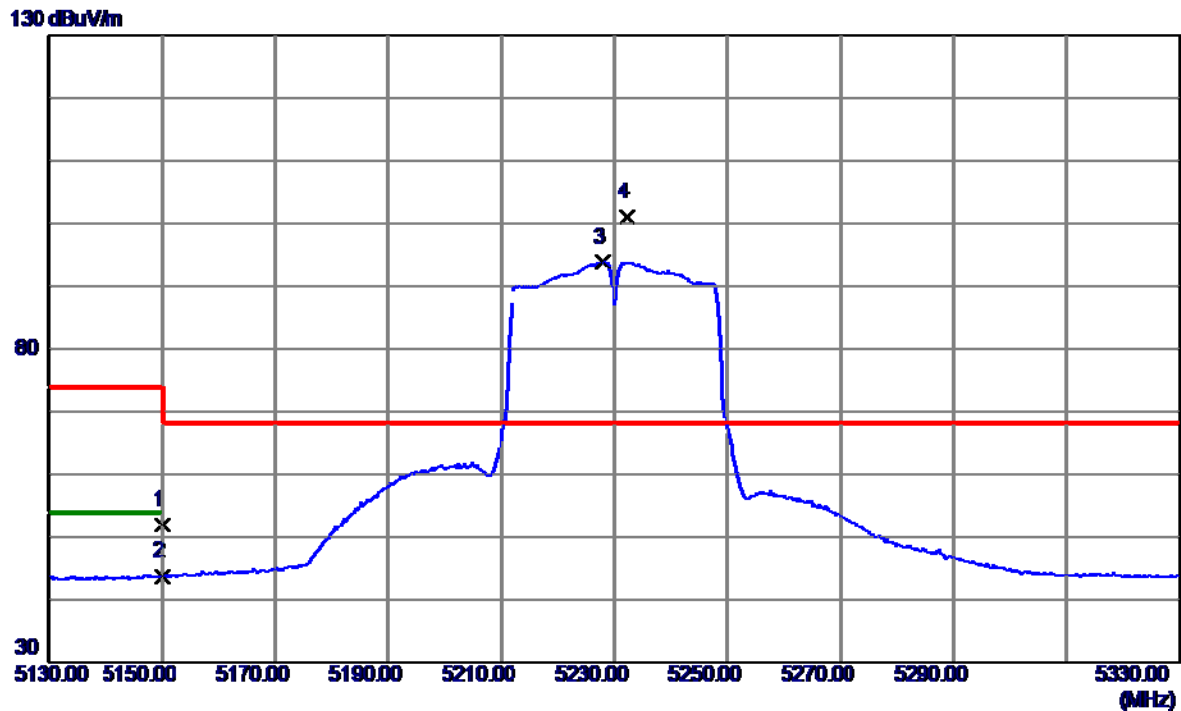


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15578.2650	48.25	8.96	57.21	74.00	-16.79	Peak	
2 *	15579.2750	38.90	8.96	47.86	54.00	-6.14	AVG	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

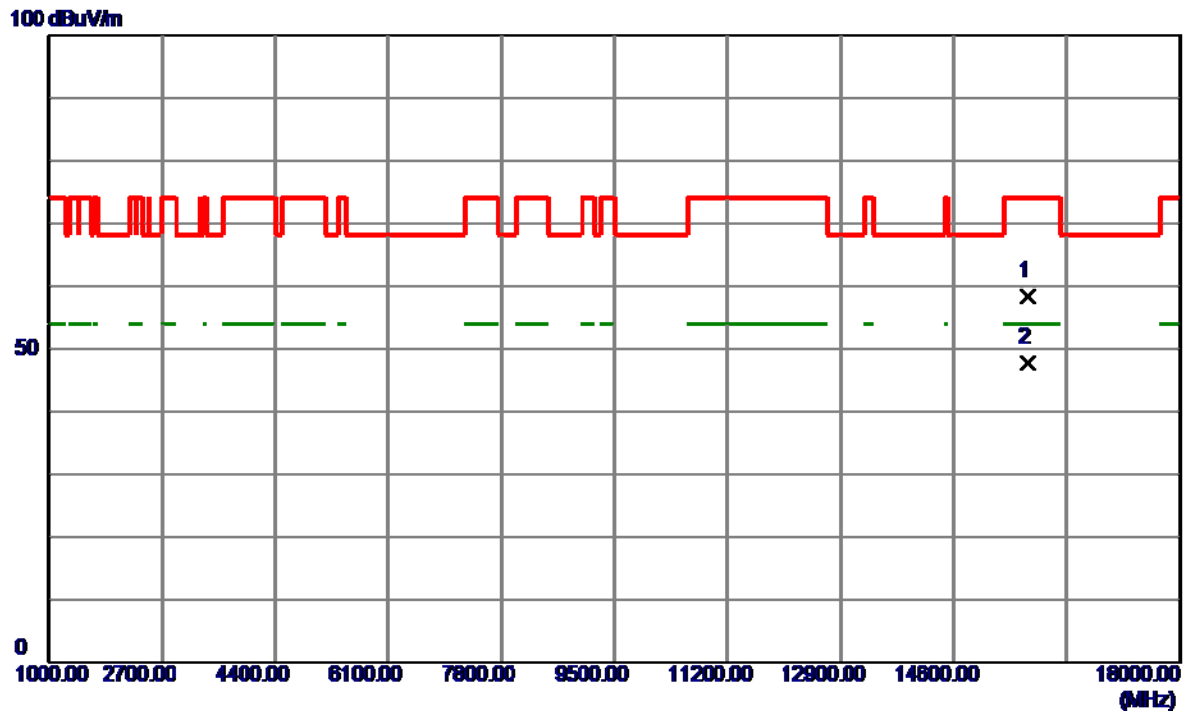


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	38.35	13.56	51.91	74.00	-22.09	Peak	
2	5150.0000	30.21	13.56	43.77	54.00	-10.23	AVG	
3	5228.1000	80.01	13.72	93.73	999.00	-905.27	AVG	No Limit
4 *	5232.2000	87.35	13.73	101.08	68.20	32.88	Peak	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT40) Mode 5230 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

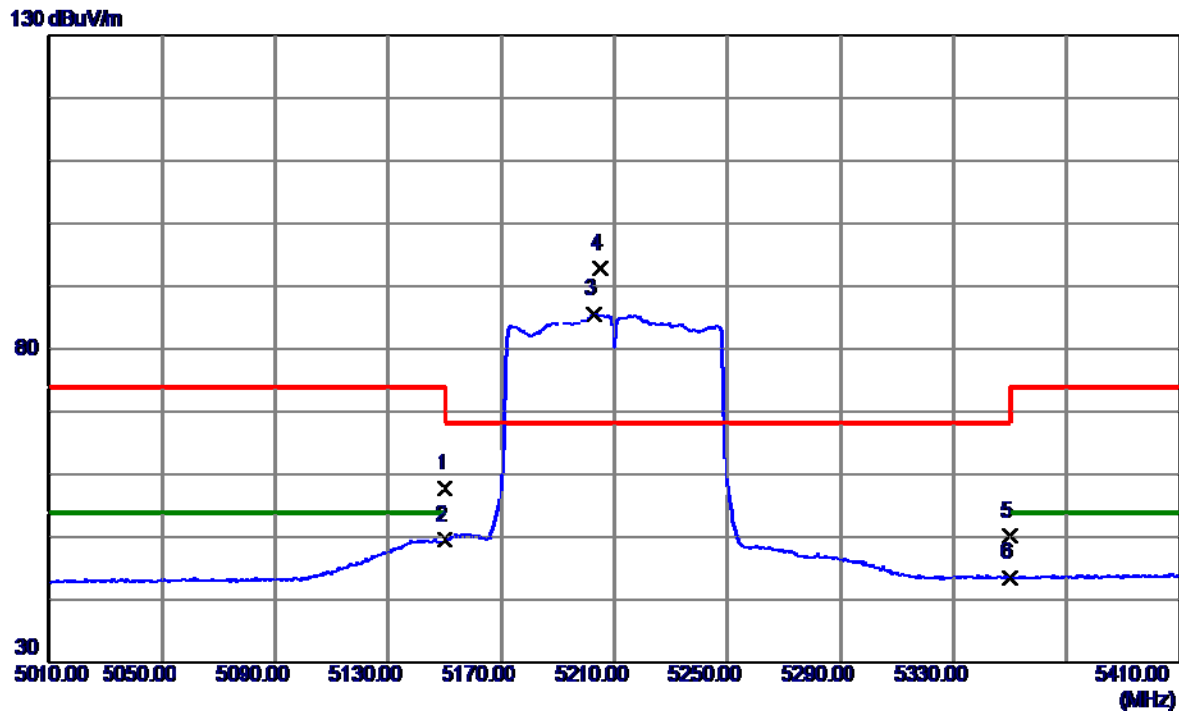


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15710.9600	49.23	9.15	58.38	74.00	-15.62	Peak	
2 *	15712.8500	38.65	9.15	47.80	54.00	-6.20	AVG	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

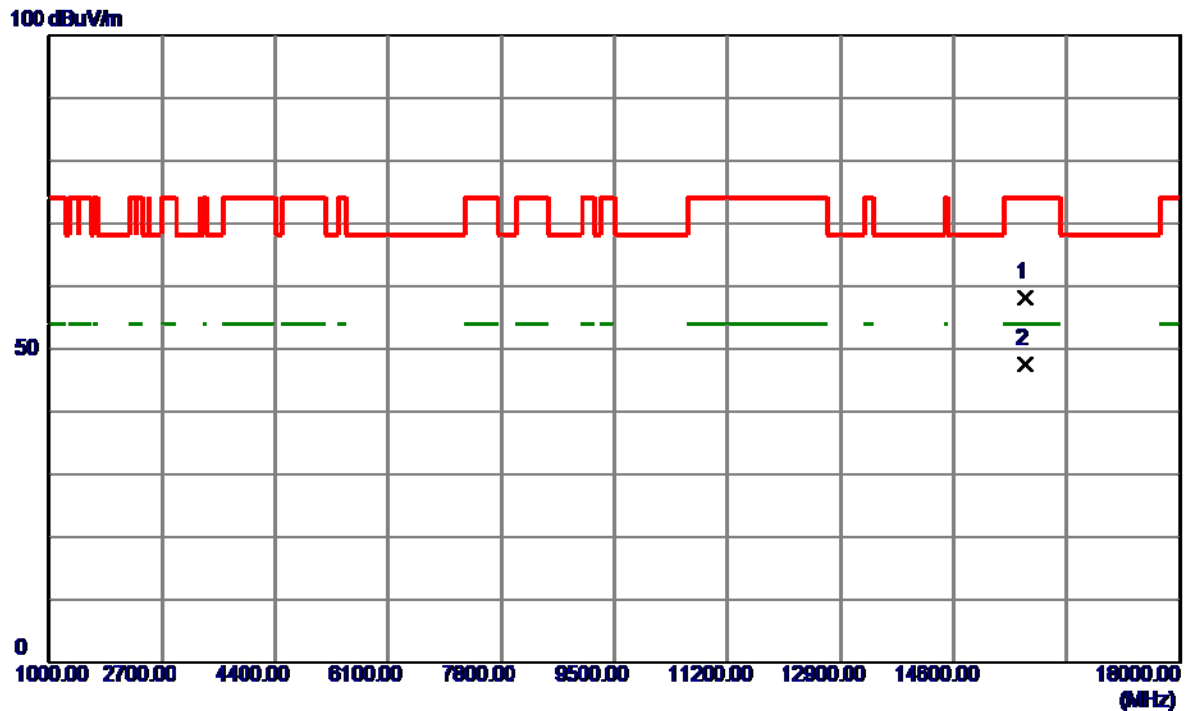


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	44.24	13.56	57.80	74.00	-16.20	Peak	
2	5150.0000	36.13	13.56	49.69	54.00	-4.31	AVG	
3	5202.8000	72.01	13.67	85.68	999.00	-913.32	AVG	No Limit
4 *	5205.2000	79.18	13.67	92.85	68.20	24.65	Peak	No Limit
5	5350.0000	36.18	13.97	50.15	74.00	-23.85	Peak	
6	5350.0000	29.65	13.97	43.62	54.00	-10.38	AVG	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT80) Mode 5210 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

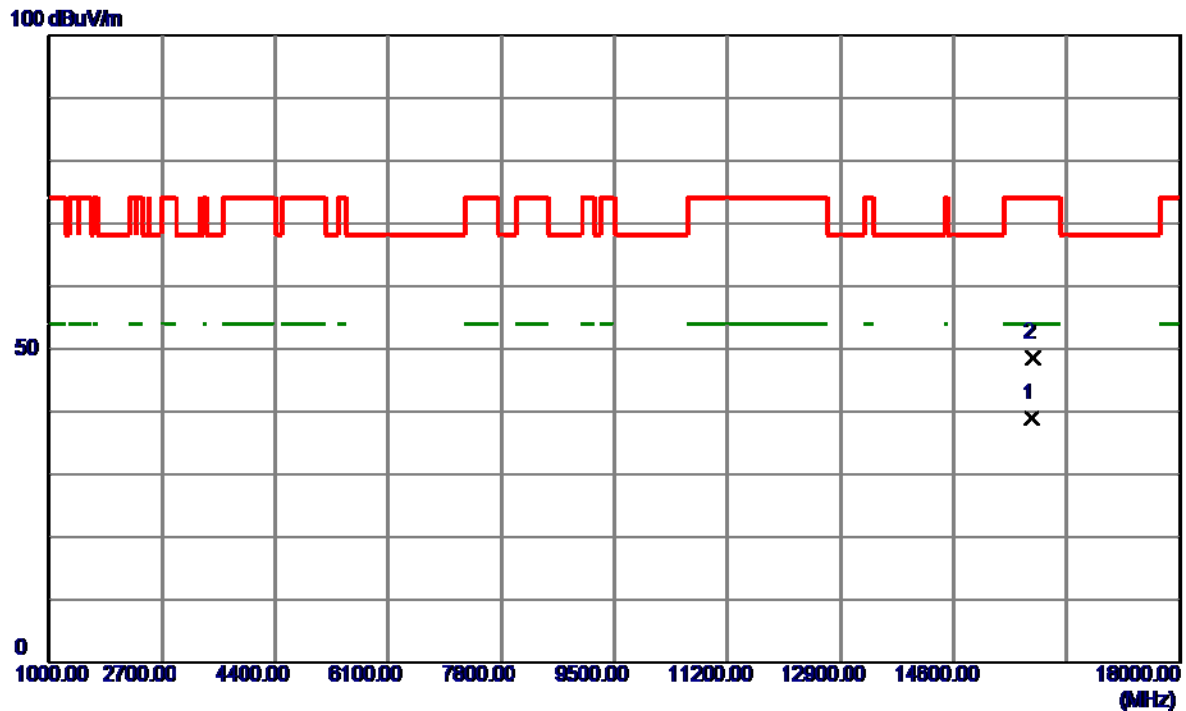


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15674.0800	49.12	9.09	58.21	74.00	-15.79	Peak	
2 *	15676.9000	38.54	9.10	47.64	54.00	-6.36	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Horizontal
-----------	----------------------------	--------------	------------

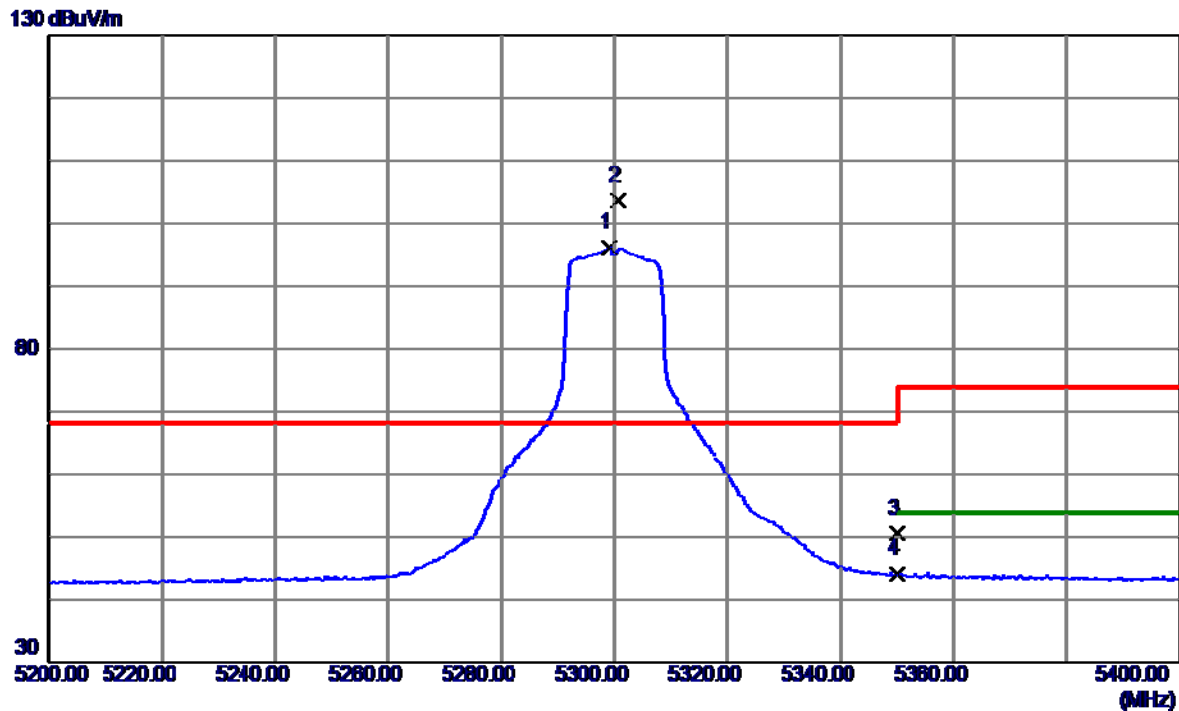


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15780.0750	29.73	9.25	38.98	54.00	-15.02	AVG	
2	15792.9500	39.31	9.26	48.57	74.00	-25.43	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Vertical
-----------	----------------------------	--------------	----------

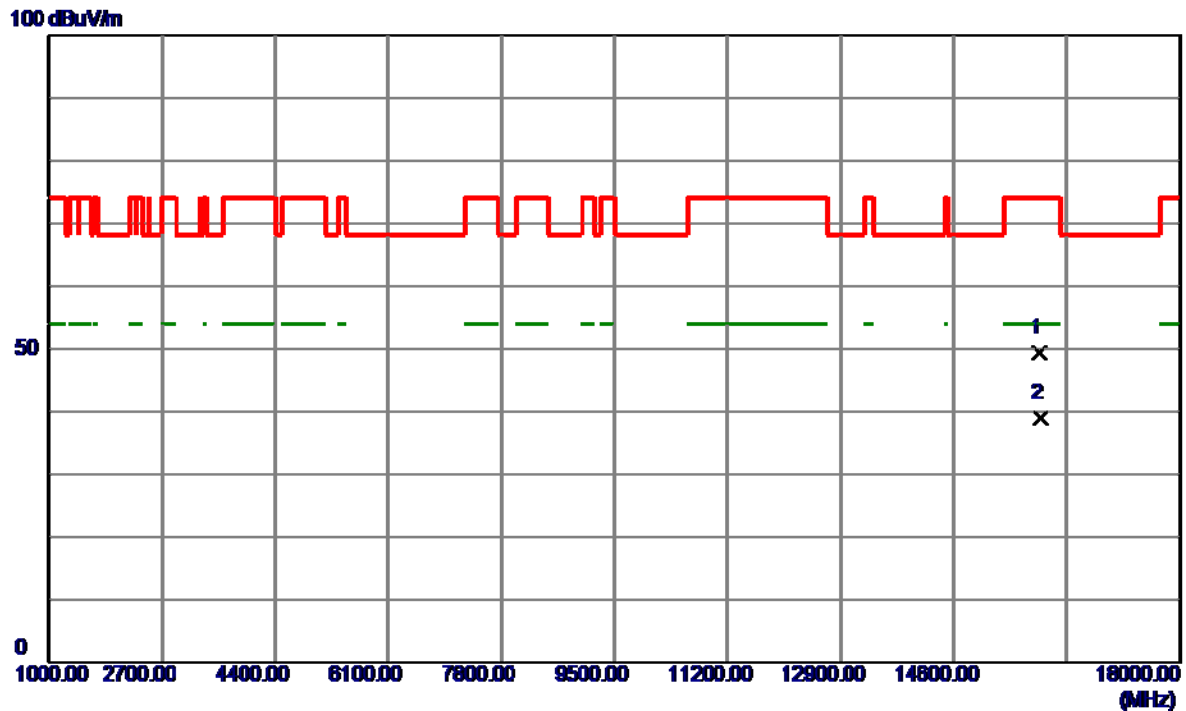


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5299.1000	82.35	13.87	96.22	999.00	-902.78	AVG	No Limit
2 *	5300.7000	89.75	13.87	103.62	68.20	35.42	Peak	No Limit
3	5350.0000	36.67	13.97	50.64	74.00	-23.36	Peak	
4	5350.0000	30.14	13.97	44.11	54.00	-9.89	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5300 MHz	Polarization	Horizontal
-----------	----------------------------	--------------	------------

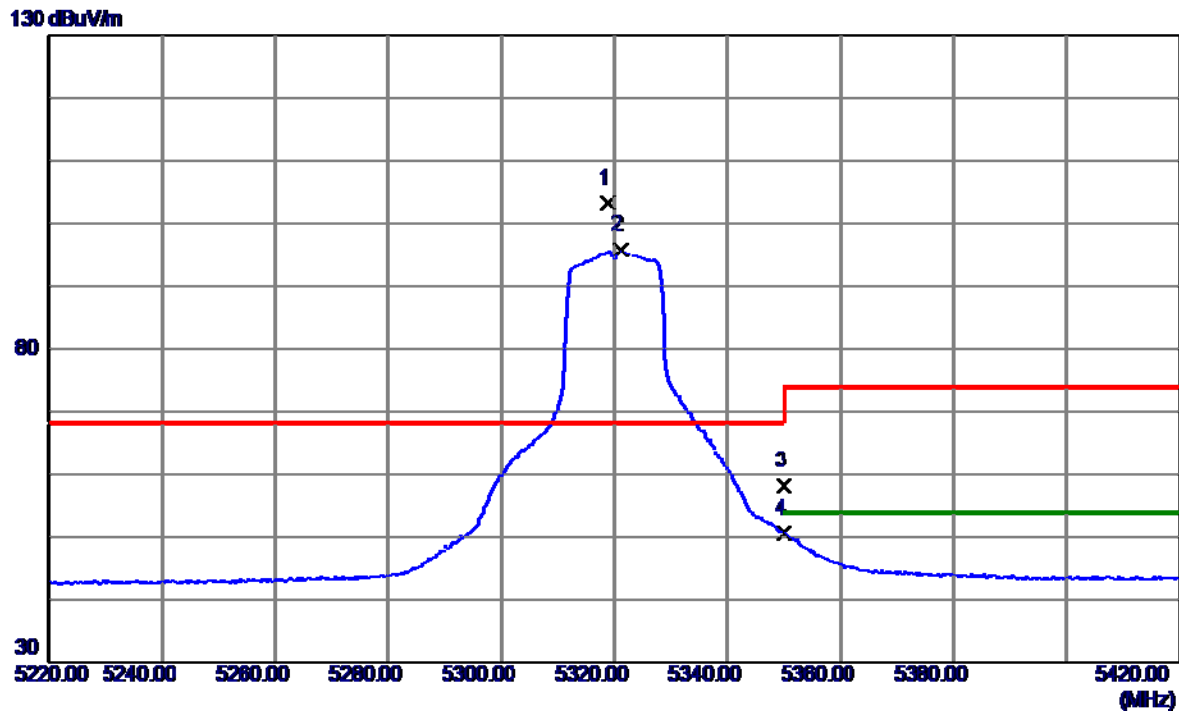


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15887.4500	39.96	9.40	49.36	74.00	-24.64	Peak	
2 *	15895.1500	29.50	9.41	38.91	54.00	-15.09	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Vertical
-----------	----------------------------	--------------	----------

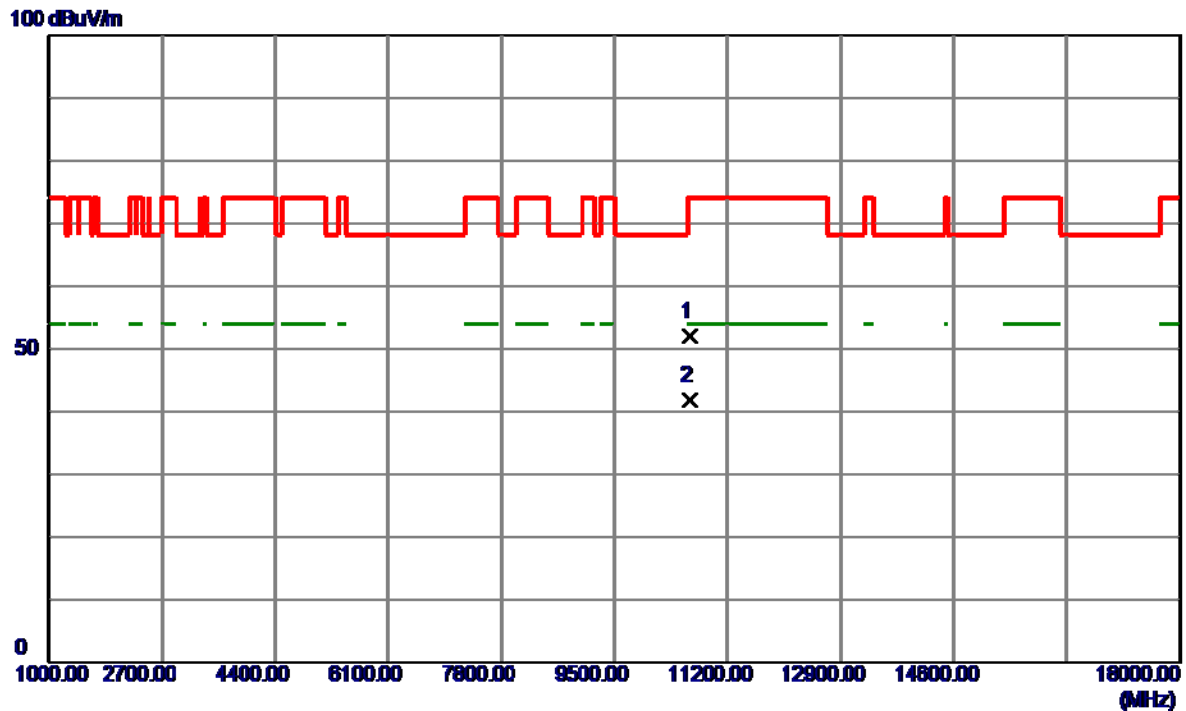


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5318.9000	89.35	13.91	103.26	68.20	35.06	Peak	No Limit
2	5321.1000	81.80	13.91	95.71	999.00	-903.29	AVG	No Limit
3	5350.0000	44.16	13.97	58.13	74.00	-15.87	Peak	
4	5350.0000	36.63	13.97	50.60	54.00	-3.40	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5320 MHz	Polarization	Horizontal
-----------	----------------------------	--------------	------------

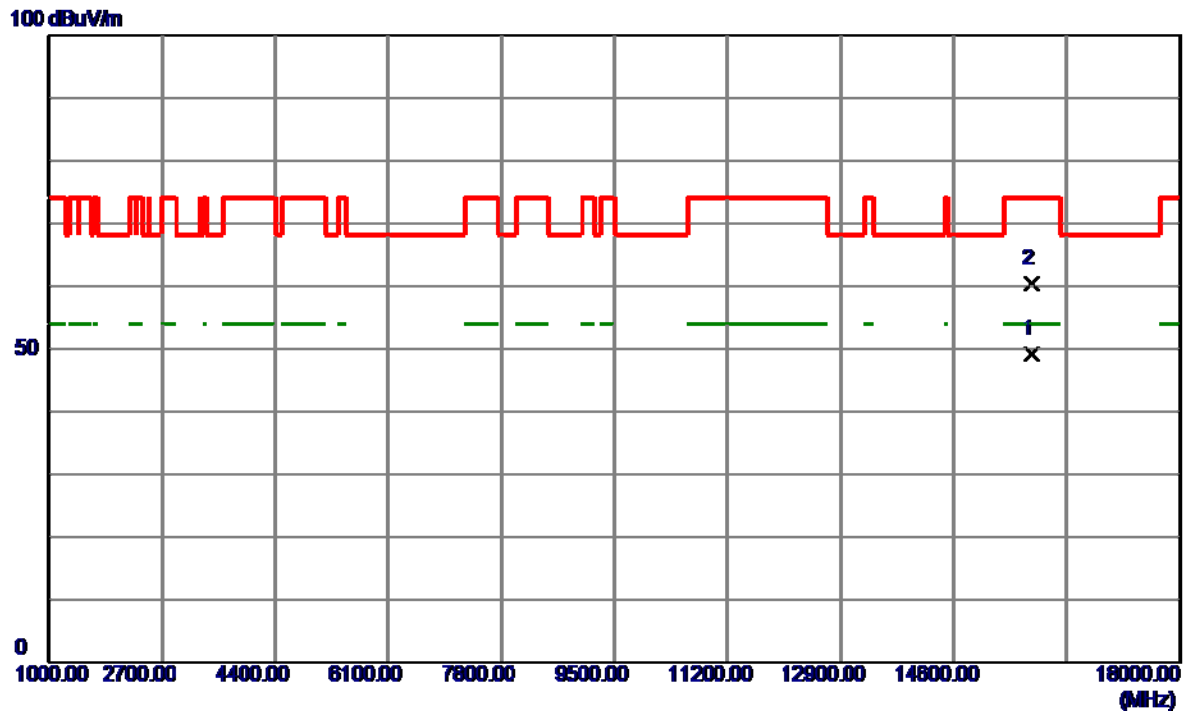


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10634.9500	42.72	9.28	52.00	74.00	-22.00	Peak	
2 *	10637.8000	32.43	9.28	41.71	54.00	-12.29	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5260 MHz	Polarization	Horizontal
-----------	------------------------------------	--------------	------------

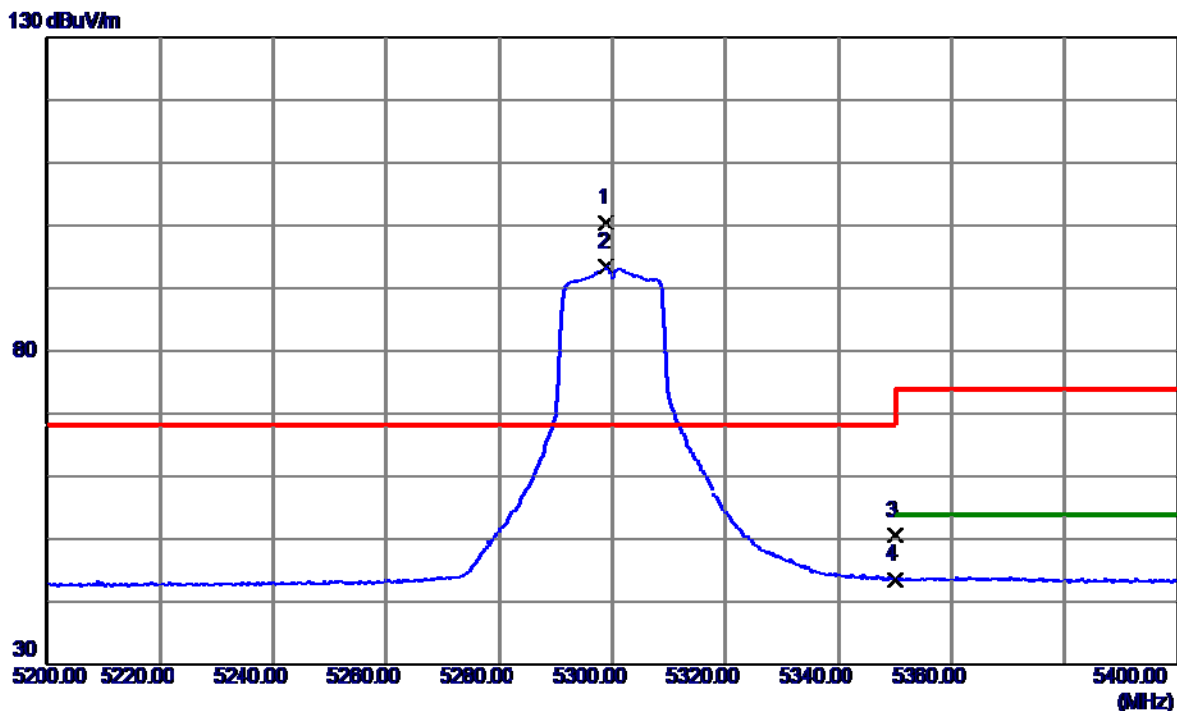


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	15768.0000	40.00	9.23	49.23	54.00	-4.77	AVG	
2	15771.2250	51.23	9.23	60.46	74.00	-13.54	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Vertical
-----------	------------------------------------	--------------	----------

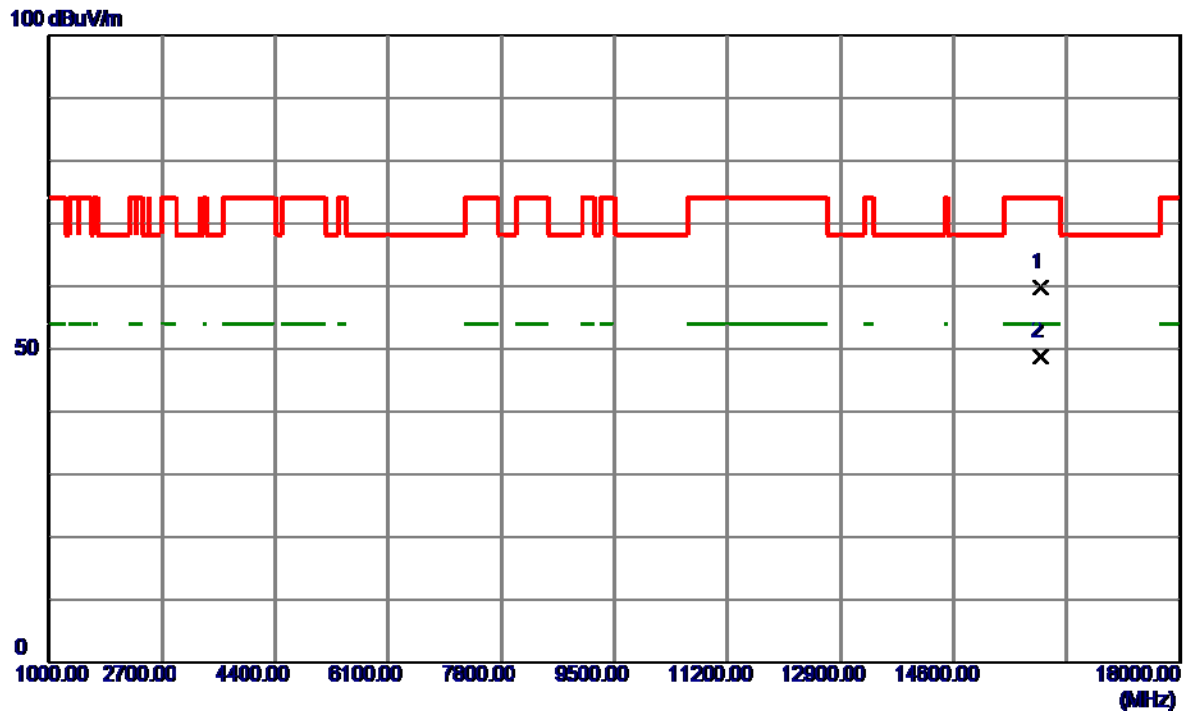


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5299.0000	86.46	13.87	100.33	68.20	32.13	Peak	No Limit
2	5299.0000	79.45	13.87	93.32	999.00	-905.68	AVG	No Limit
3	5350.0000	36.58	13.97	50.55	74.00	-23.45	Peak	
4	5350.0000	29.67	13.97	43.64	54.00	-10.36	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5300 MHz	Polarization	Horizontal
-----------	------------------------------------	--------------	------------

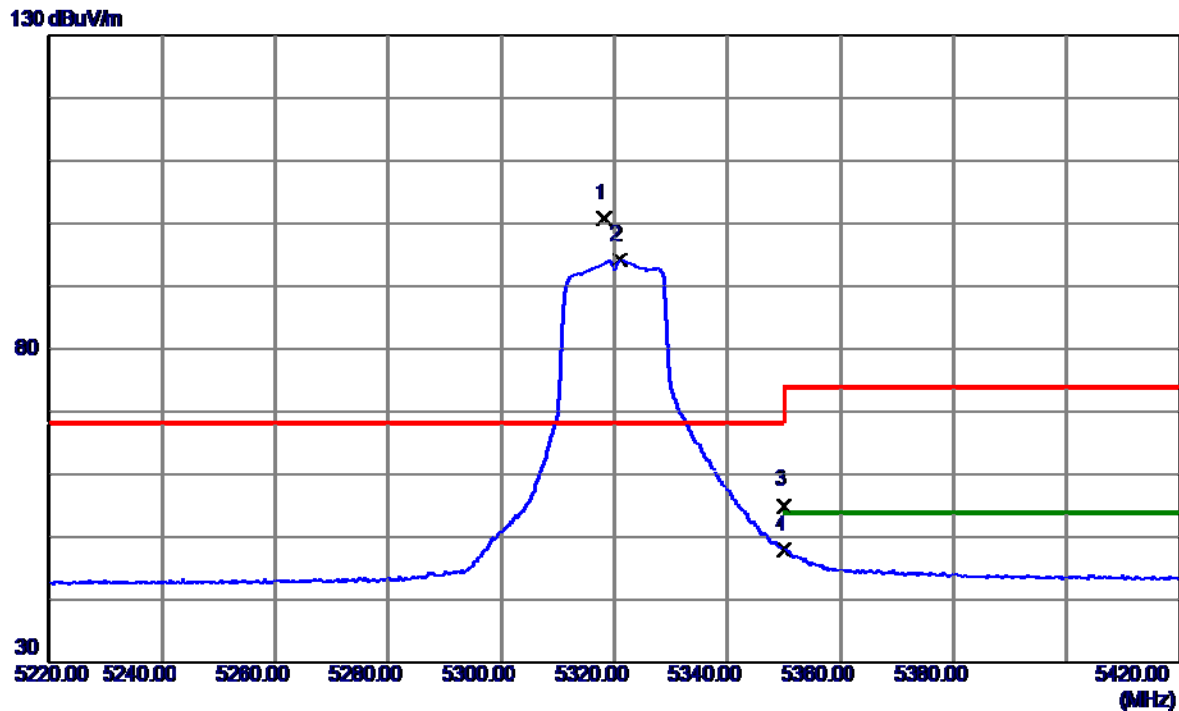


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15901.6560	50.42	9.42	59.84	74.00	-14.16	Peak	
2 *	15903.5750	39.33	9.42	48.75	54.00	-5.25	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Vertical
-----------	------------------------------------	--------------	----------

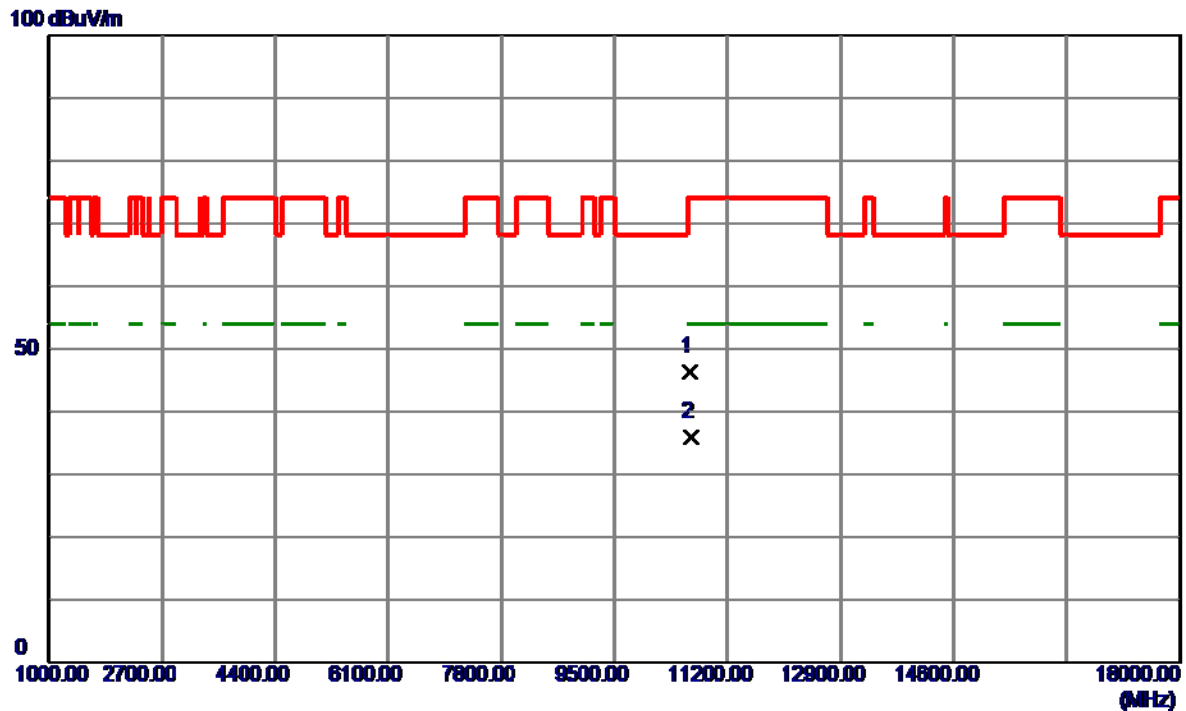


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5318.2000	86.97	13.91	100.88	68.20	32.68	Peak	No Limit
2	5320.9000	80.25	13.91	94.16	999.00	-904.84	AVG	No Limit
3	5350.0000	41.13	13.97	55.10	74.00	-18.90	Peak	
4	5350.0000	33.95	13.97	47.92	54.00	-6.08	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT20) Mode 5320 MHz	Polarization	Horizontal
-----------	------------------------------------	--------------	------------

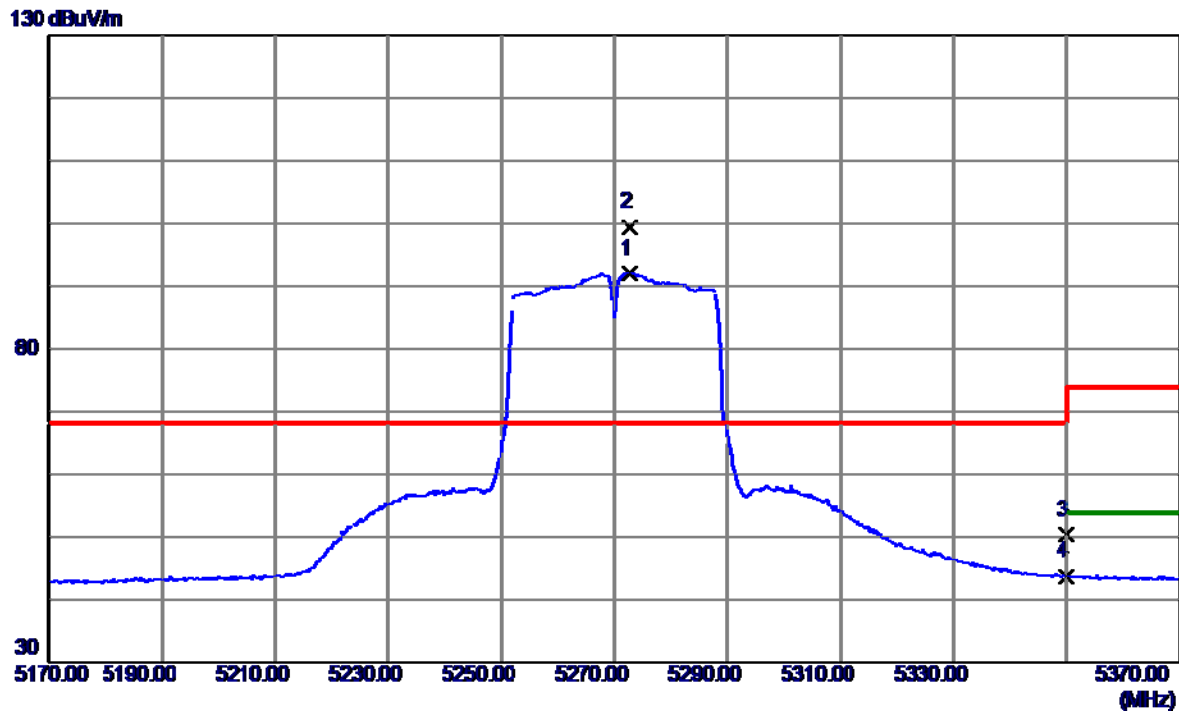


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10640.0000	37.05	9.28	46.33	74.00	-27.67	Peak	
2 *	10644.4000	26.67	9.28	35.95	54.00	-18.05	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz	Polarization	Vertical
-----------	------------------------------------	--------------	----------

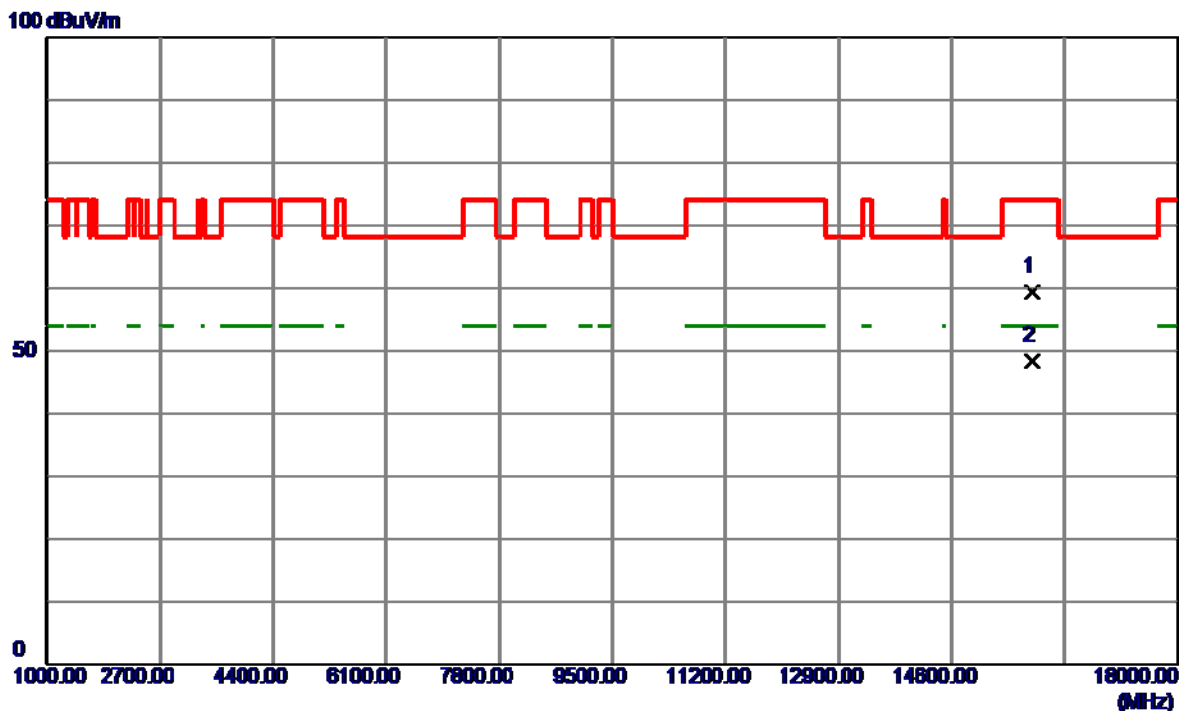


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5272.6000	78.26	13.81	92.07	999.00	-906.93	AVG	No Limit
2 *	5272.7000	85.64	13.81	99.45	68.20	31.25	Peak	No Limit
3	5350.0000	36.50	13.97	50.47	74.00	-23.53	Peak	
4	5350.0000	29.78	13.97	43.75	54.00	-10.25	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT40) Mode 5270 MHz	Polarization	Horizontal
-----------	------------------------------------	--------------	------------

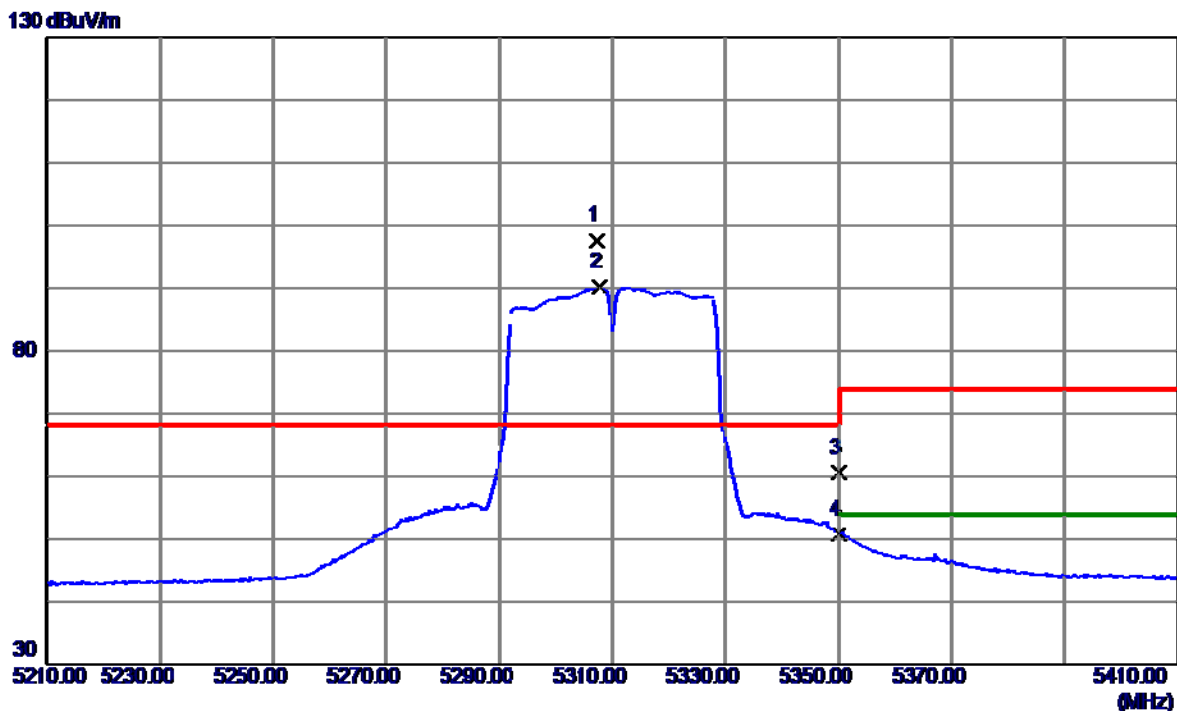


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15804.6640	50.03	9.28	59.31	74.00	-14.69	Peak	
2 *	15805.7250	39.13	9.28	48.41	54.00	-5.59	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz	Polarization	Vertical
-----------	------------------------------------	--------------	----------

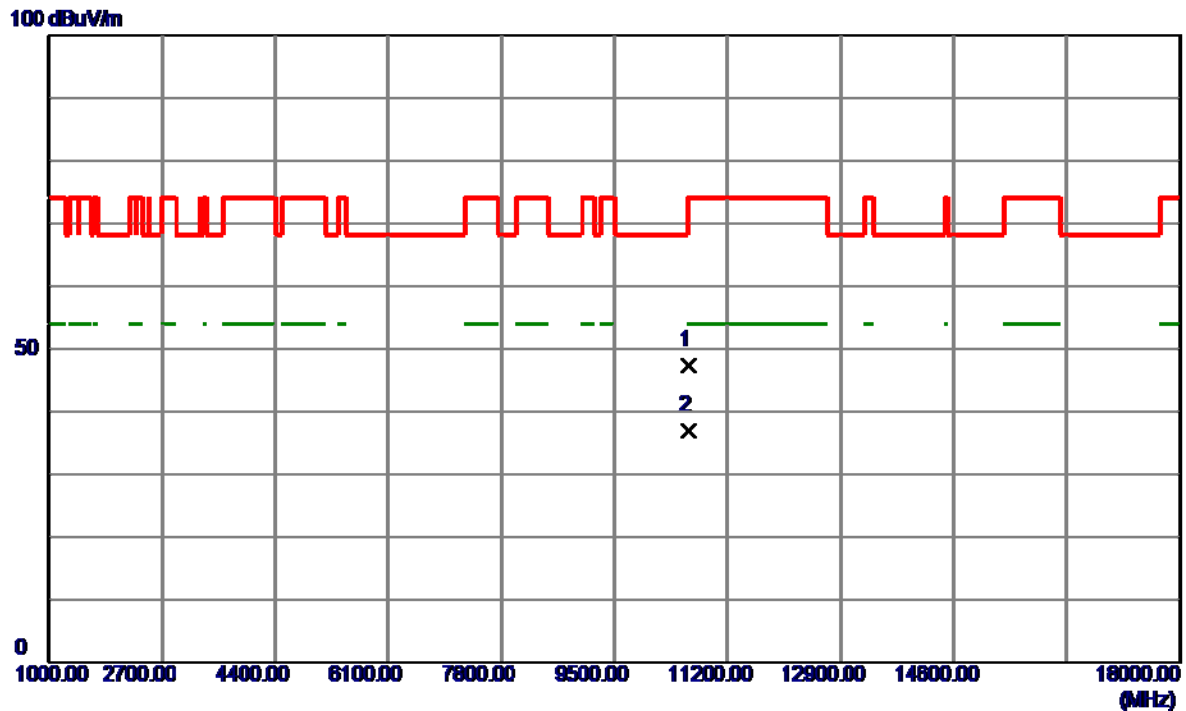


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5307.4000	83.80	13.89	97.69	68.20	29.49	Peak	No Limit
2	5307.8000	76.23	13.89	90.12	999.00	-908.88	AVG	No Limit
3	5350.0000	46.56	13.97	60.53	74.00	-13.47	Peak	
4	5350.0000	36.78	13.97	50.75	54.00	-3.25	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT40) Mode 5310 MHz	Polarization	Horizontal
-----------	------------------------------------	--------------	------------

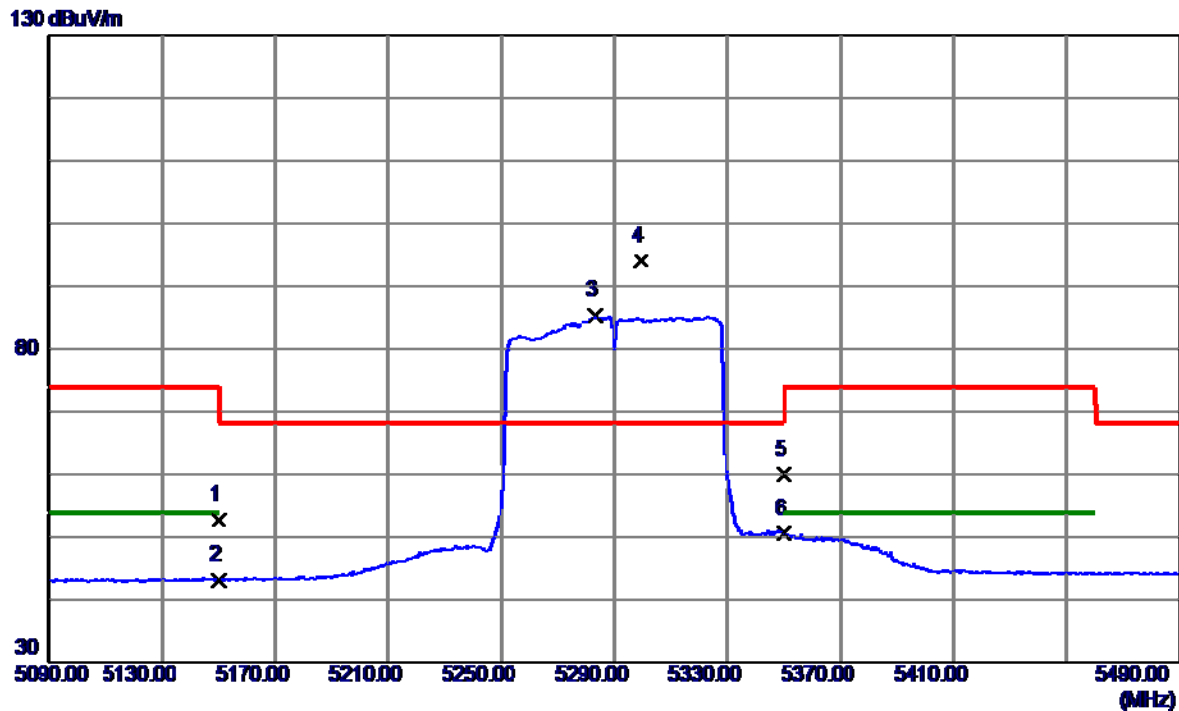


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10613.0000	38.10	9.28	47.38	74.00	-26.62	Peak	
2 *	10619.8000	27.81	9.28	37.09	54.00	-16.91	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz	Polarization	Vertical
-----------	------------------------------------	--------------	----------

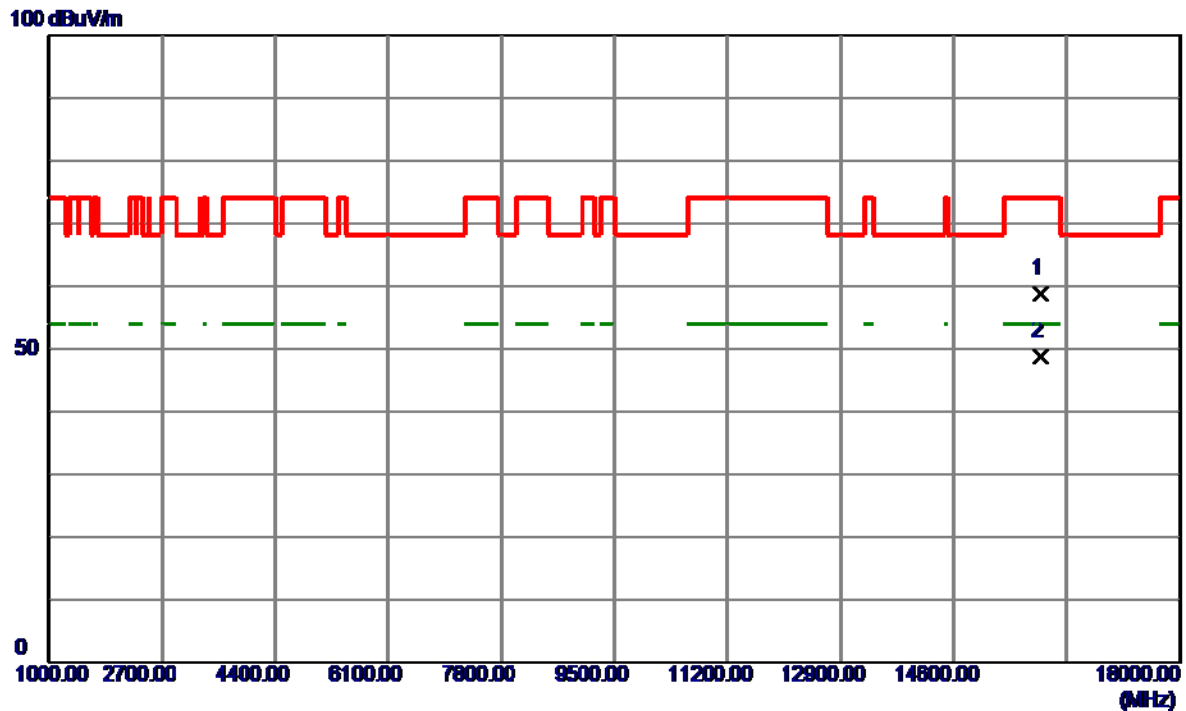


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	39.17	13.56	52.73	74.00	-21.27	Peak	
2	5150.0000	29.72	13.56	43.28	54.00	-10.72	AVG	
3	5283.2000	71.47	13.84	85.31	999.00	-913.69	AVG	No Limit
4 *	5299.2000	80.15	13.87	94.02	68.20	25.82	Peak	No Limit
5	5350.0000	46.11	13.97	60.08	74.00	-13.92	Peak	
6	5350.0000	36.68	13.97	50.65	54.00	-3.35	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AC(VHT80) Mode 5290 MHz	Polarization	Horizontal
-----------	------------------------------------	--------------	------------

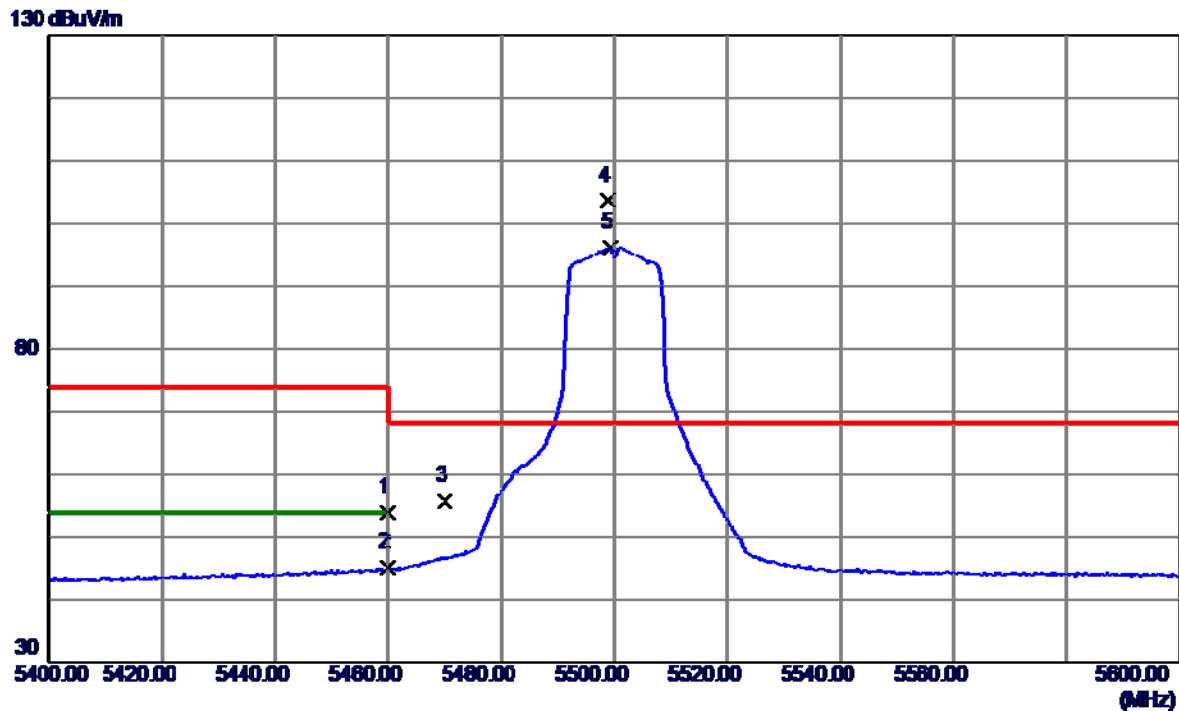


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	15906.2300	49.37	9.43	58.80	74.00	-15.20	Peak	
2 *	15908.9500	39.31	9.43	48.74	54.00	-5.26	AVG	

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
-----------	----------------------------	--------------	----------

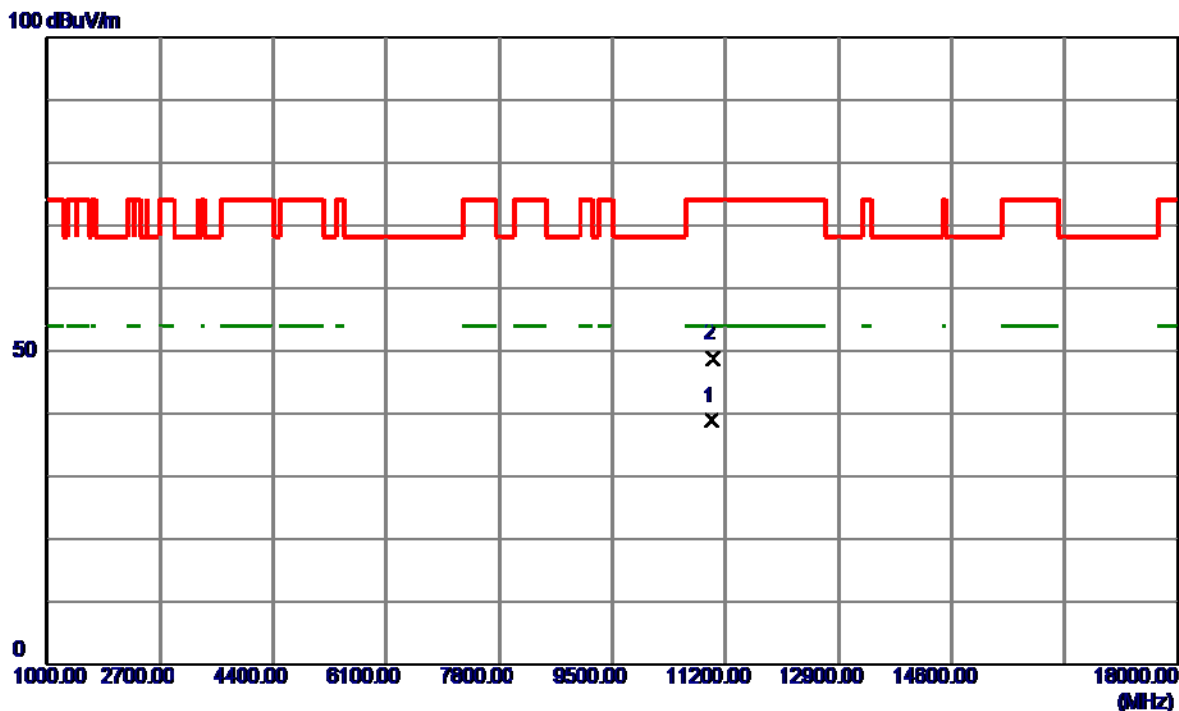


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	39.72	14.20	53.92	74.00	-20.08	Peak	
2	5460.0000	30.94	14.20	45.14	54.00	-8.86	AVG	
3	5470.0000	41.49	14.22	55.71	68.20	-12.49	Peak	
4 *	5498.9000	89.41	14.28	103.69	68.20	35.49	Peak	No Limit
5	5499.3000	81.93	14.28	96.21	999.00	-902.79	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	Horizontal
-----------	----------------------------	--------------	------------

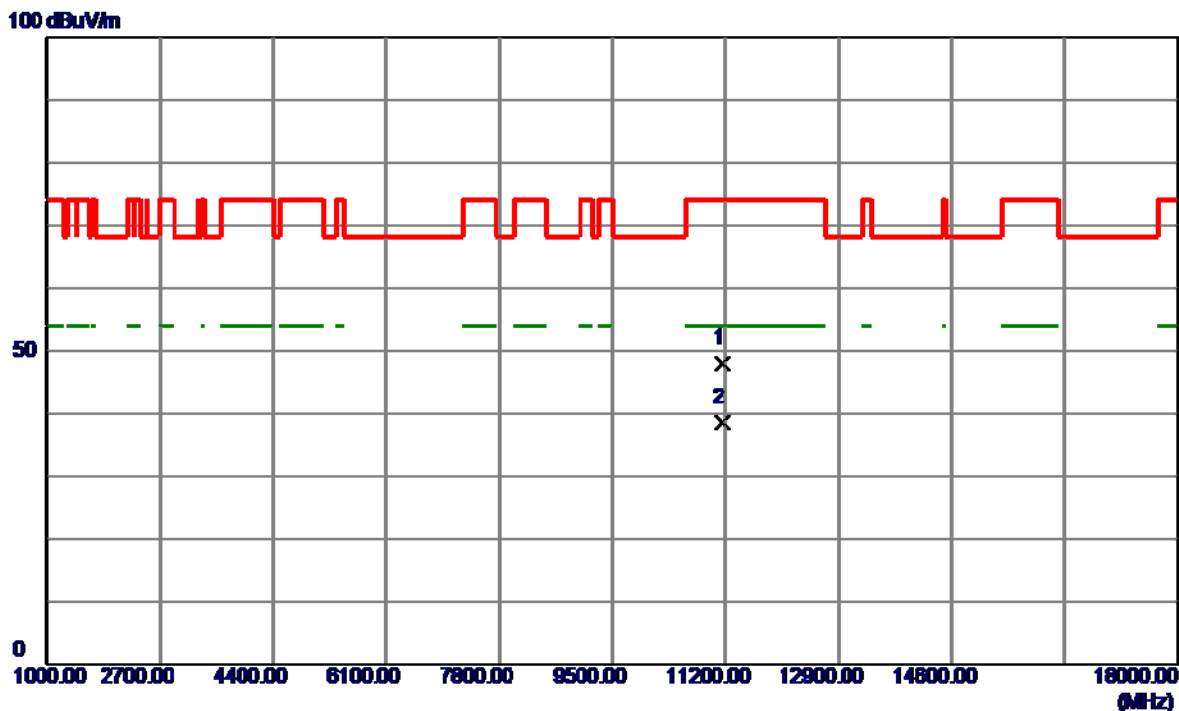


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11000.1750	29.64	9.26	38.90	54.00	-15.10	AVG	
2	11003.9000	39.46	9.26	48.72	74.00	-25.28	Peak	

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	Horizontal
-----------	----------------------------	--------------	------------

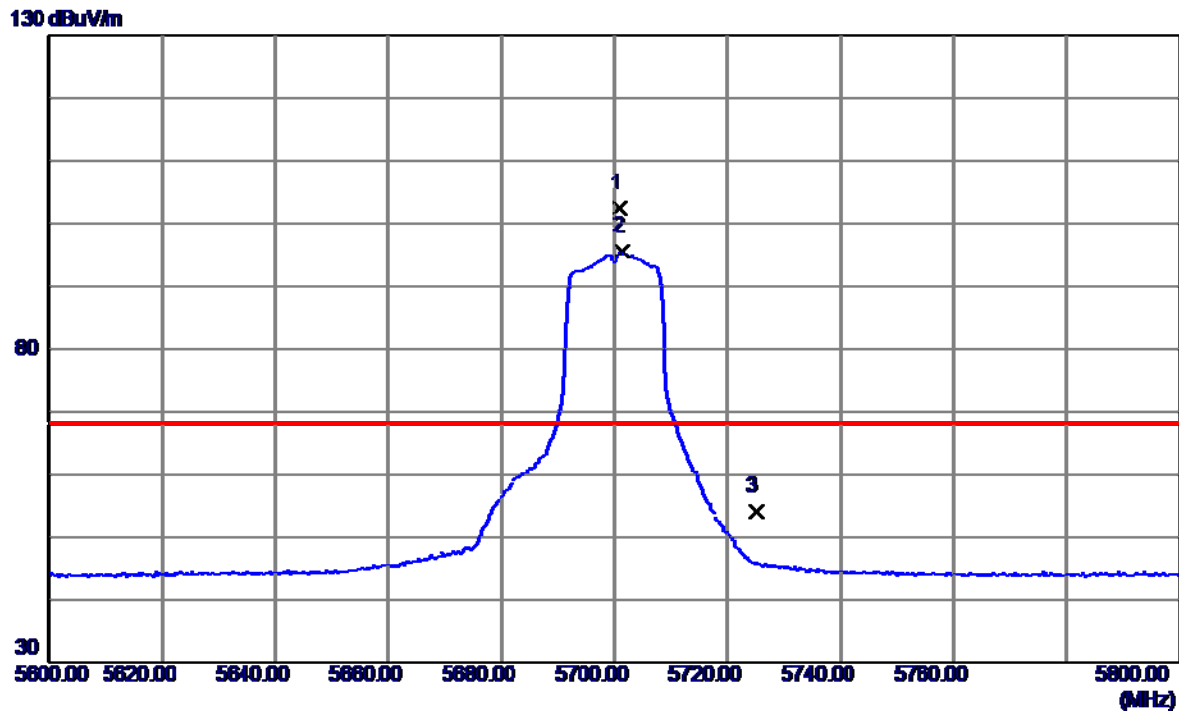


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11159.0250	38.67	9.39	48.06	74.00	-25.94	Peak	
2 *	11161.6500	29.29	9.39	38.68	54.00	-15.32	AVG	

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
-----------	----------------------------	--------------	----------

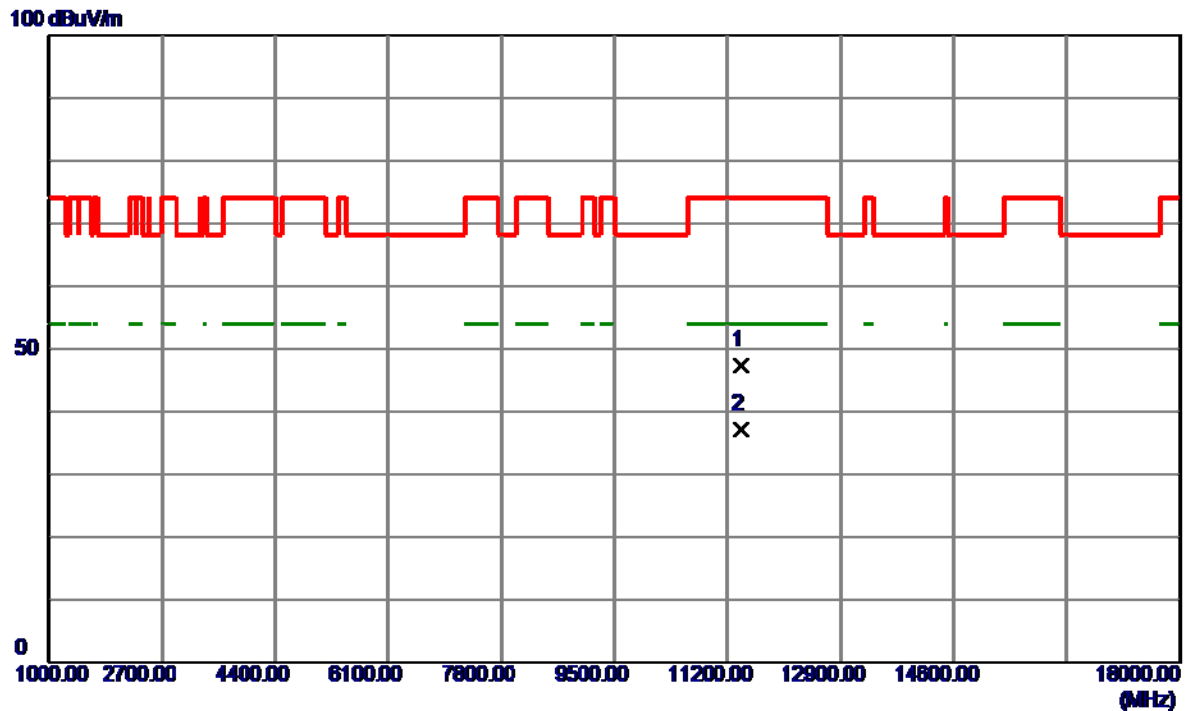


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5700.9000	87.51	14.92	102.43	68.20	34.23	Peak	No Limit
2	5701.3000	80.59	14.92	95.51	999.00	-903.49	AVG	No Limit
3	5725.0000	39.11	15.00	54.11	68.20	-14.09	Peak	

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	Horizontal
-----------	----------------------------	--------------	------------

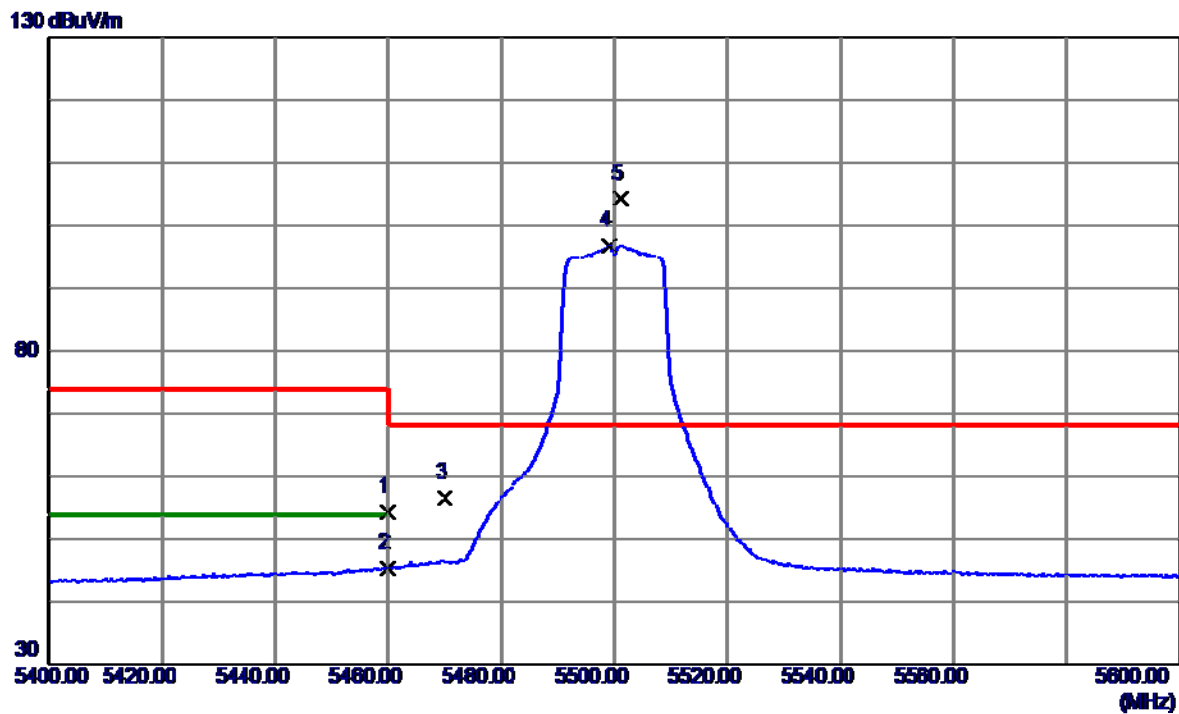


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11402.6500	37.77	9.59	47.36	74.00	-26.64	Peak	
2 *	11406.7250	27.64	9.60	37.24	54.00	-16.76	AVG	

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
-----------	------------------------------------	--------------	----------

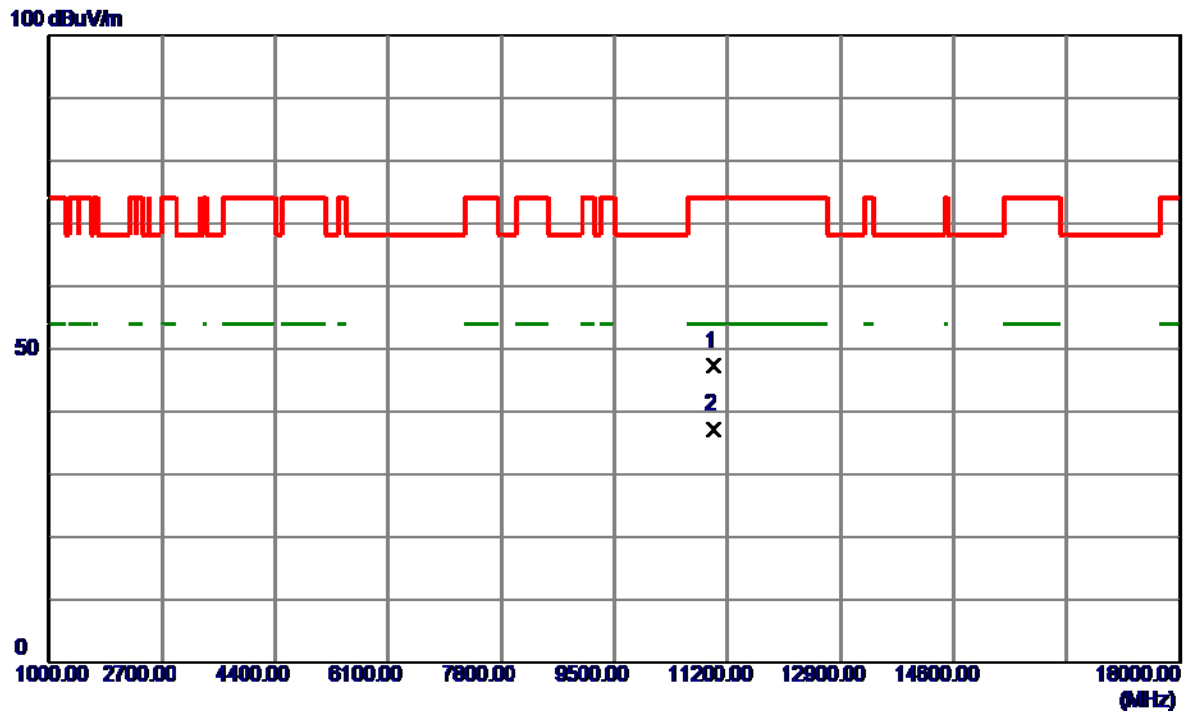


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	40.17	14.20	54.37	74.00	-19.63	Peak	
2	5460.0000	31.15	14.20	45.35	54.00	-8.65	AVG	
3	5470.0000	42.43	14.22	56.65	68.20	-11.55	Peak	
4	5499.1000	82.58	14.28	96.86	999.00	-902.14	AVG	No Limit
5 *	5501.2000	89.88	14.29	104.17	68.20	35.97	Peak	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	Horizontal
-----------	------------------------------------	--------------	------------

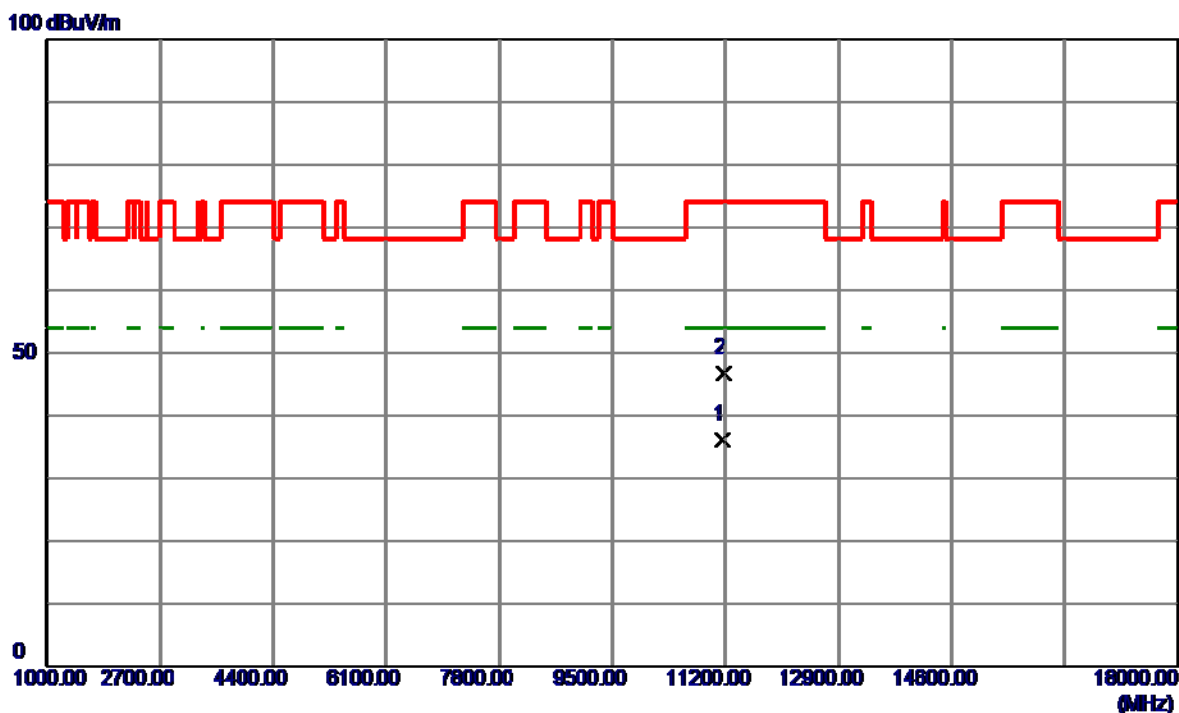


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10994.9000	38.04	9.26	47.30	74.00	-26.70	Peak	
2 *	10999.3250	27.86	9.26	37.12	54.00	-16.88	AVG	

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	Horizontal
-----------	------------------------------------	--------------	------------

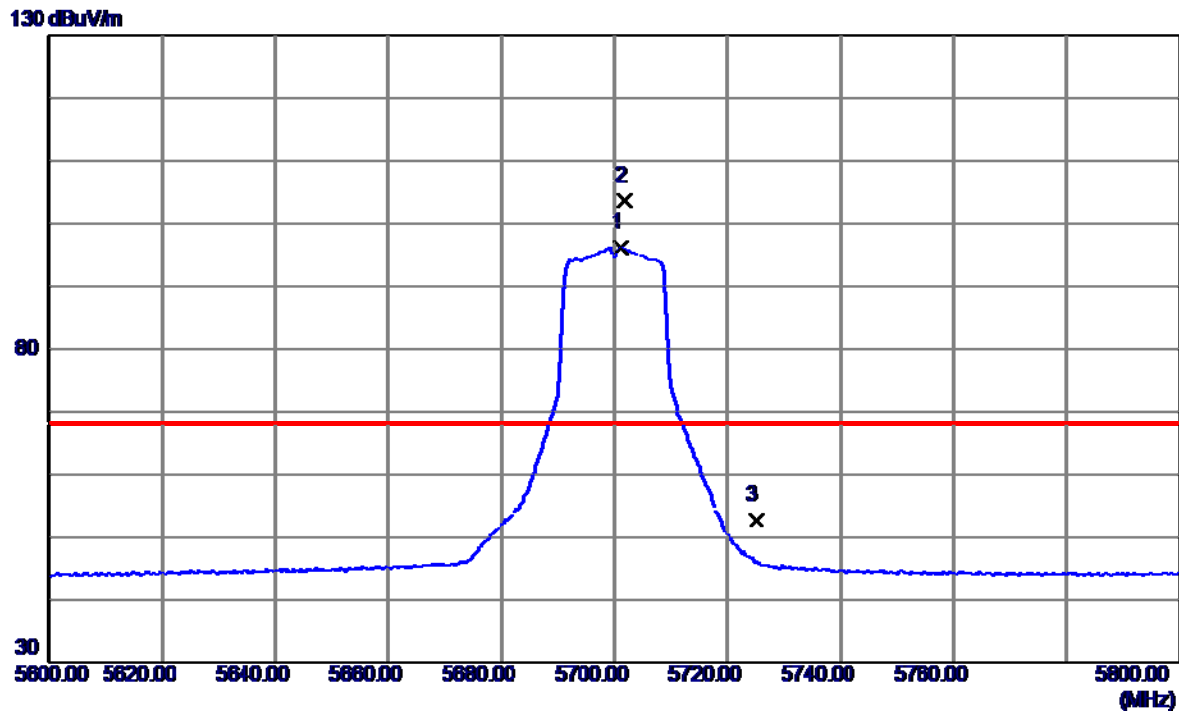


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11158.9750	26.79	9.39	36.18	54.00	-17.82	AVG	
2	11184.5000	37.41	9.41	46.82	74.00	-27.18	Peak	

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
-----------	------------------------------------	--------------	----------

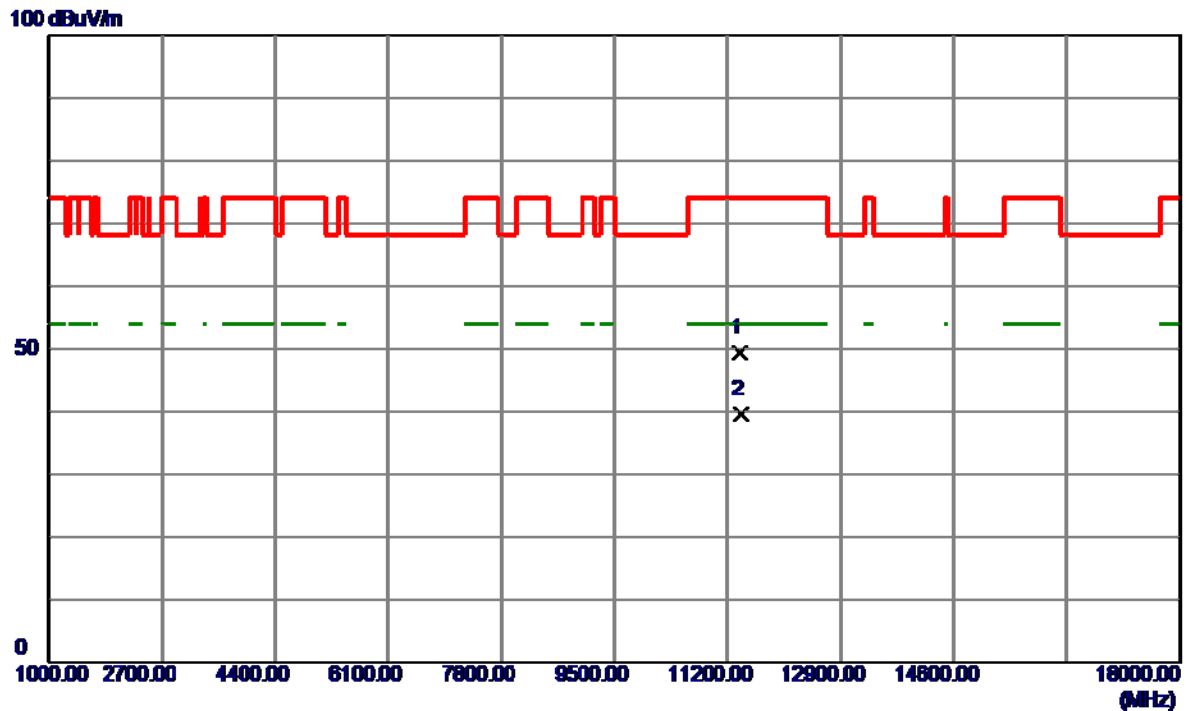


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5701.1000	81.36	14.92	96.28	999.00	-902.72	AVG	No Limit
2 *	5701.7000	88.74	14.92	103.66	68.20	35.46	Peak	No Limit
3	5725.0000	37.73	15.00	52.73	68.20	-15.47	Peak	

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	Horizontal
-----------	------------------------------------	--------------	------------

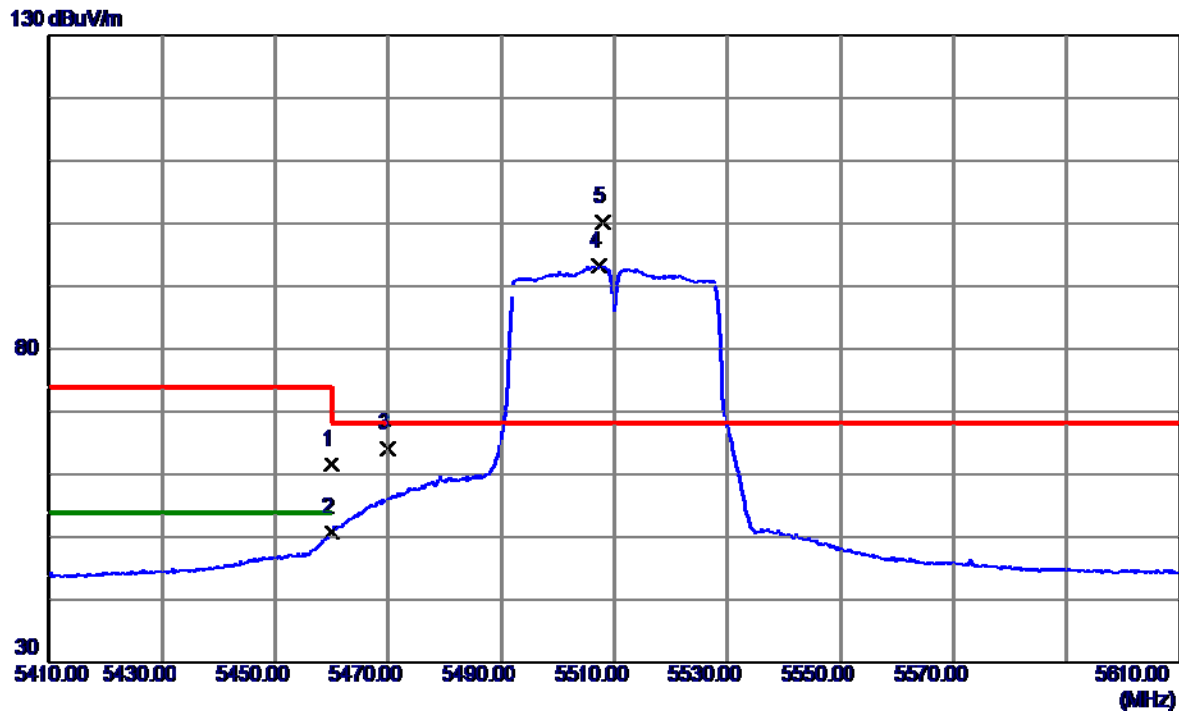


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11398.0250	39.88	9.59	49.47	74.00	-24.53	Peak	
2 *	11400.9750	30.00	9.59	39.59	54.00	-14.41	AVG	

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
-----------	------------------------------------	--------------	----------

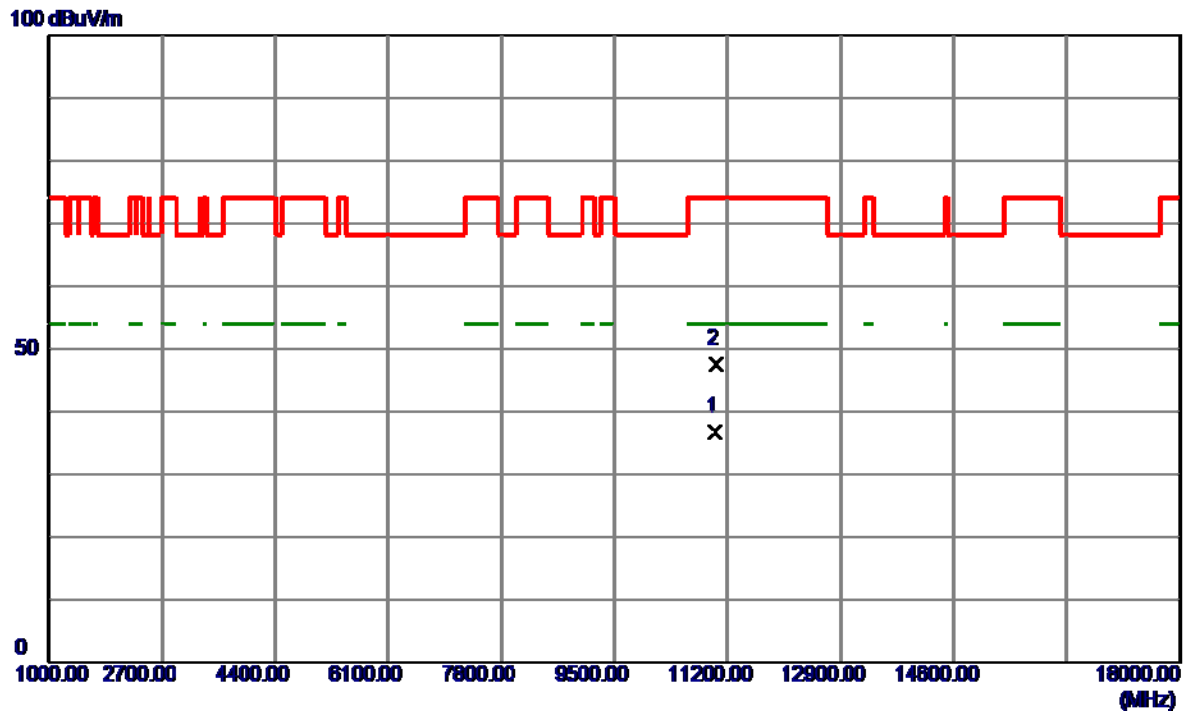


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	47.34	14.20	61.54	74.00	-12.46	Peak	
2	5460.0000	36.52	14.20	50.72	54.00	-3.28	AVG	
3	5470.0000	50.01	14.22	64.23	68.20	-3.97	Peak	
4	5507.4000	78.82	14.31	93.13	999.00	-905.87	AVG	No Limit
5 *	5508.1000	85.96	14.31	100.27	68.20	32.07	Peak	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	Horizontal
-----------	------------------------------------	--------------	------------

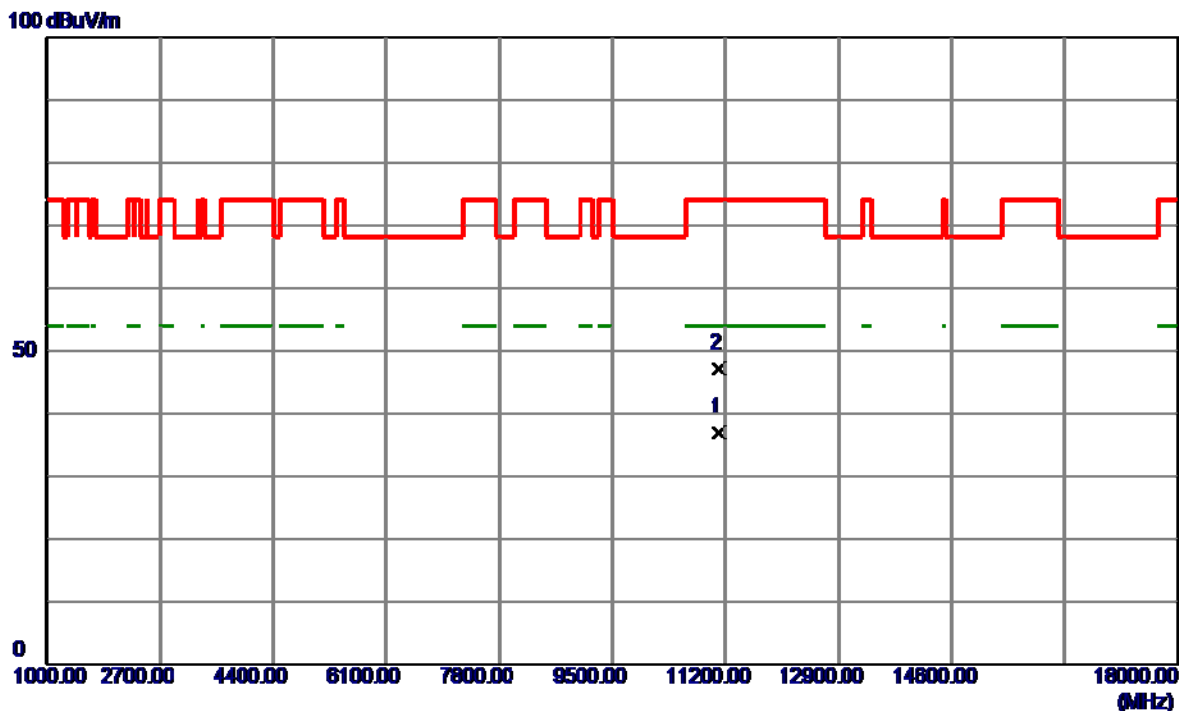


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11014.0500	27.49	9.27	36.76	54.00	-17.24	AVG	
2	11021.8000	38.40	9.28	47.68	74.00	-26.32	Peak	

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	Horizontal
-----------	------------------------------------	--------------	------------

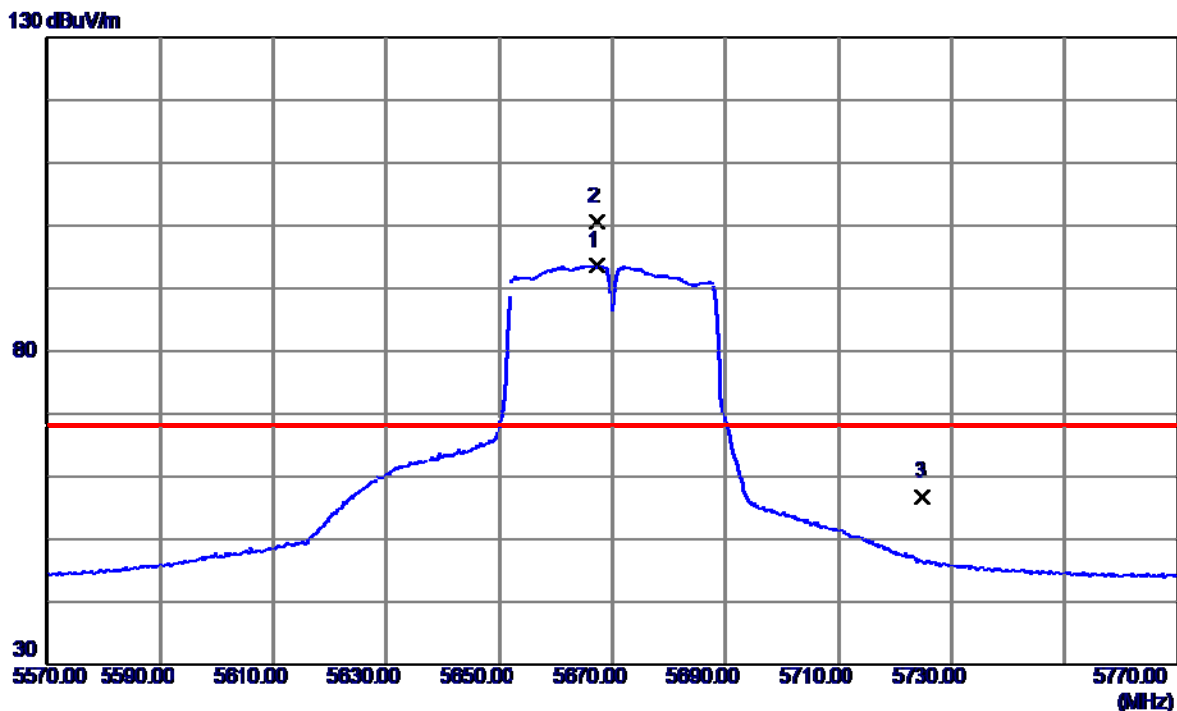


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11099.8250	27.75	9.34	37.09	54.00	-16.91	AVG	
2	11104.0000	37.83	9.35	47.18	74.00	-26.82	Peak	

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
-----------	------------------------------------	--------------	----------

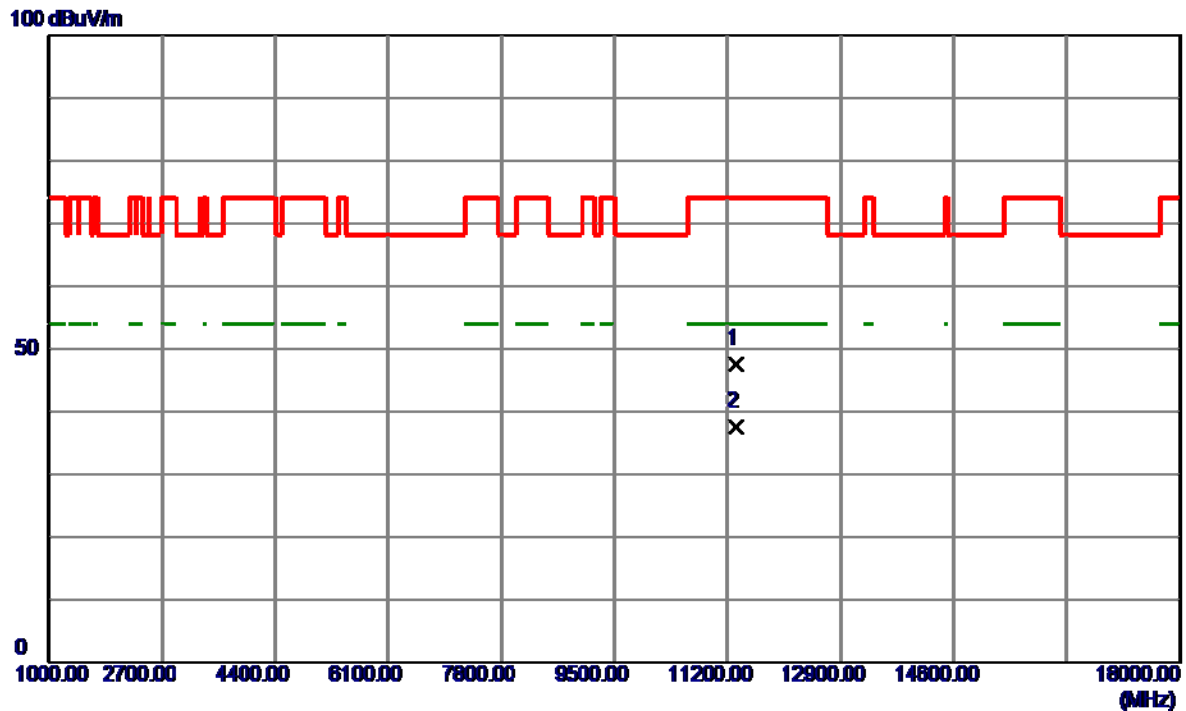


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5667.3000	78.72	14.82	93.54	999.00	-905.46	AVG	No Limit
2 *	5667.4000	85.76	14.82	100.58	68.20	32.38	Peak	No Limit
3	5725.0000	41.87	15.00	56.87	68.20	-11.33	Peak	

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	Horizontal
-----------	------------------------------------	--------------	------------

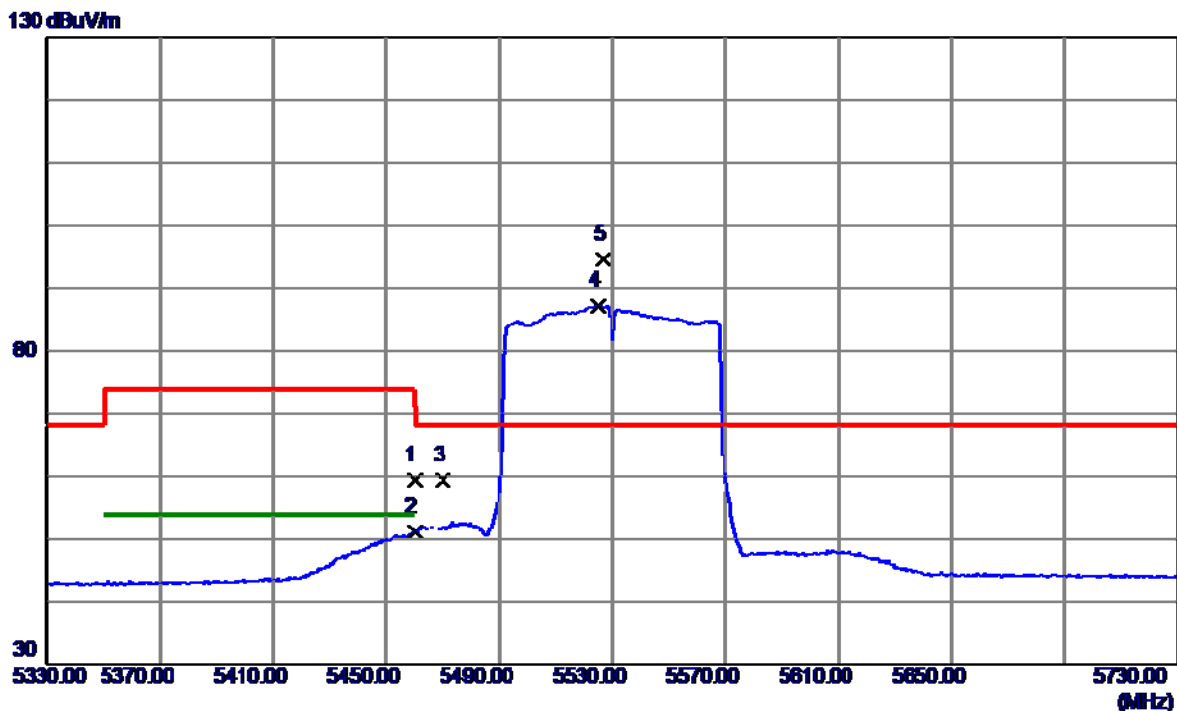


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11338.6000	37.97	9.54	47.51	74.00	-26.49	Peak	
2 *	11339.9000	28.06	9.54	37.60	54.00	-16.40	AVG	

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
-----------	------------------------------------	--------------	----------

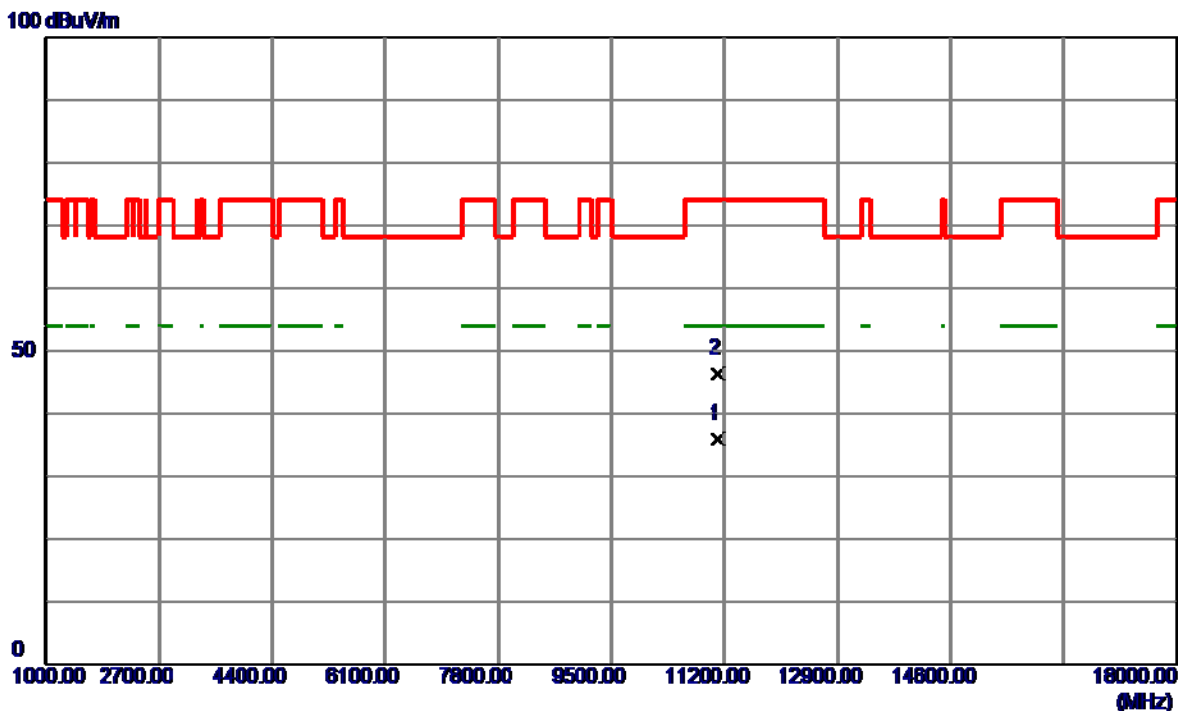


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	45.14	14.20	59.34	74.00	-14.66	Peak	
2	5460.0000	37.07	14.20	51.27	54.00	-2.73	AVG	
3	5470.0000	45.17	14.22	59.39	68.20	-8.81	Peak	
4	5525.2000	72.91	14.36	87.27	999.00	-911.73	AVG	No Limit
5 *	5526.8000	80.26	14.37	94.63	68.20	26.43	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	Horizontal
-----------	------------------------------------	--------------	------------

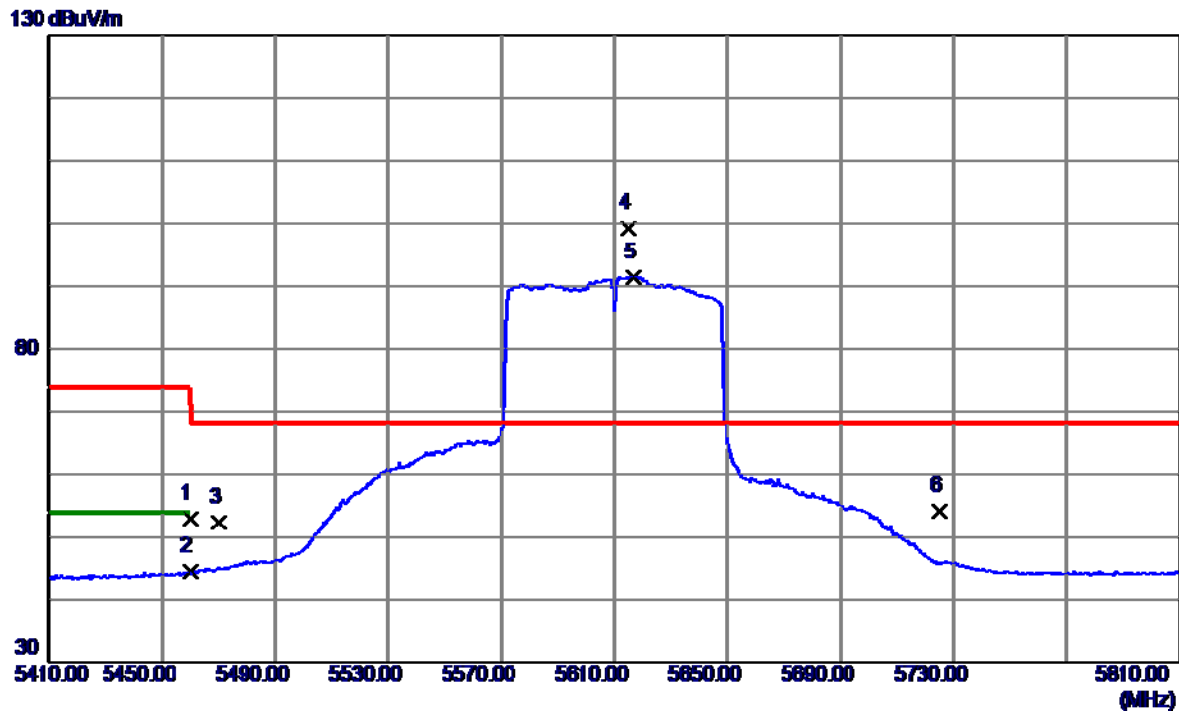


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11104.5000	26.64	9.35	35.99	54.00	-18.01	AVG	
2	11105.1000	37.01	9.35	46.36	74.00	-27.64	Peak	

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
-----------	------------------------------------	--------------	----------

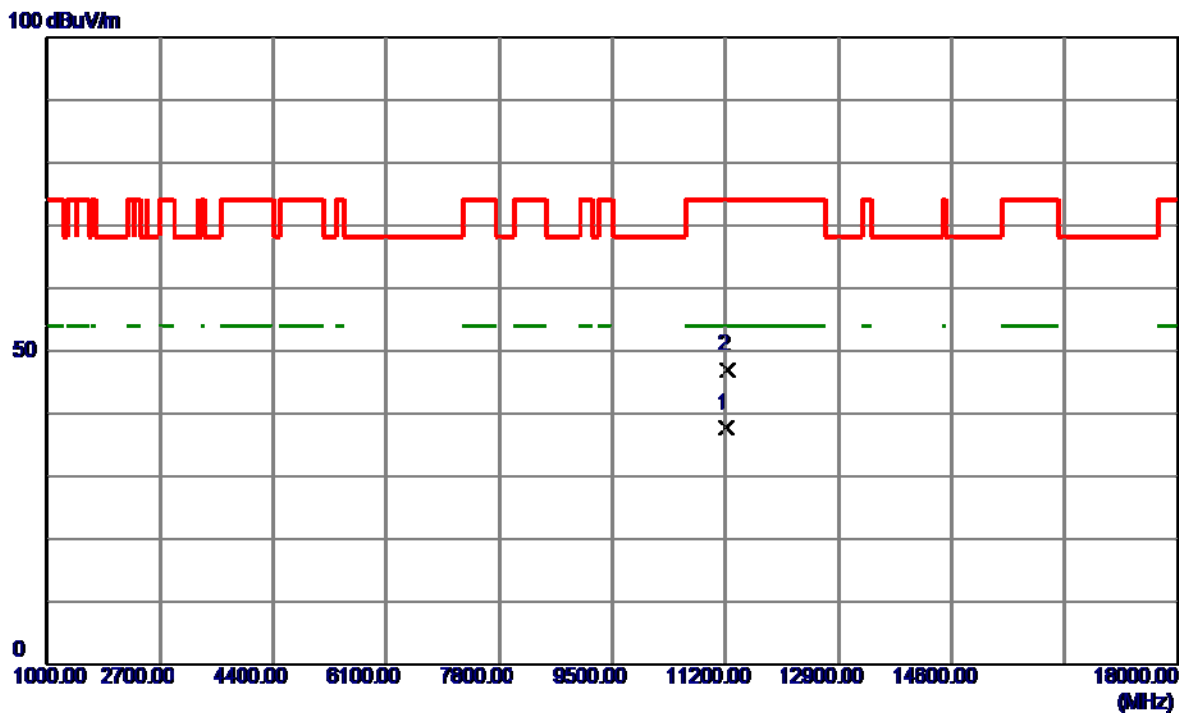


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	38.72	14.20	52.92	74.00	-21.08	Peak	
2	5460.0000	30.43	14.20	44.63	54.00	-9.37	AVG	
3	5470.0000	38.21	14.22	52.43	68.20	-15.77	Peak	
4 *	5614.8000	84.47	14.65	99.12	68.20	30.92	Peak	
5	5616.8000	76.80	14.66	91.46	999.00	-907.54	AVG	
6	5725.0000	39.19	15.00	54.19	68.20	-14.01	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	Horizontal
-----------	------------------------------------	--------------	------------

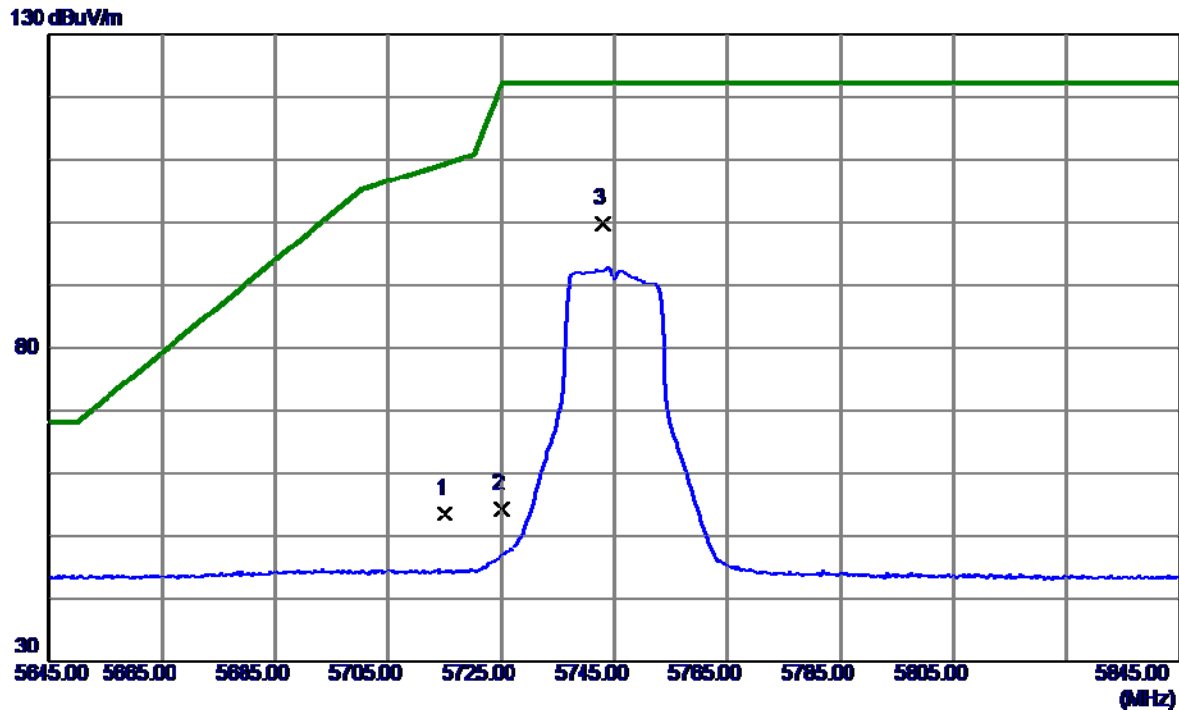


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11218.6000	28.26	9.44	37.70	54.00	-16.30	AVG	
2	11246.4000	37.47	9.46	46.93	74.00	-27.07	Peak	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Vertical
-----------	---------------------------	--------------	----------

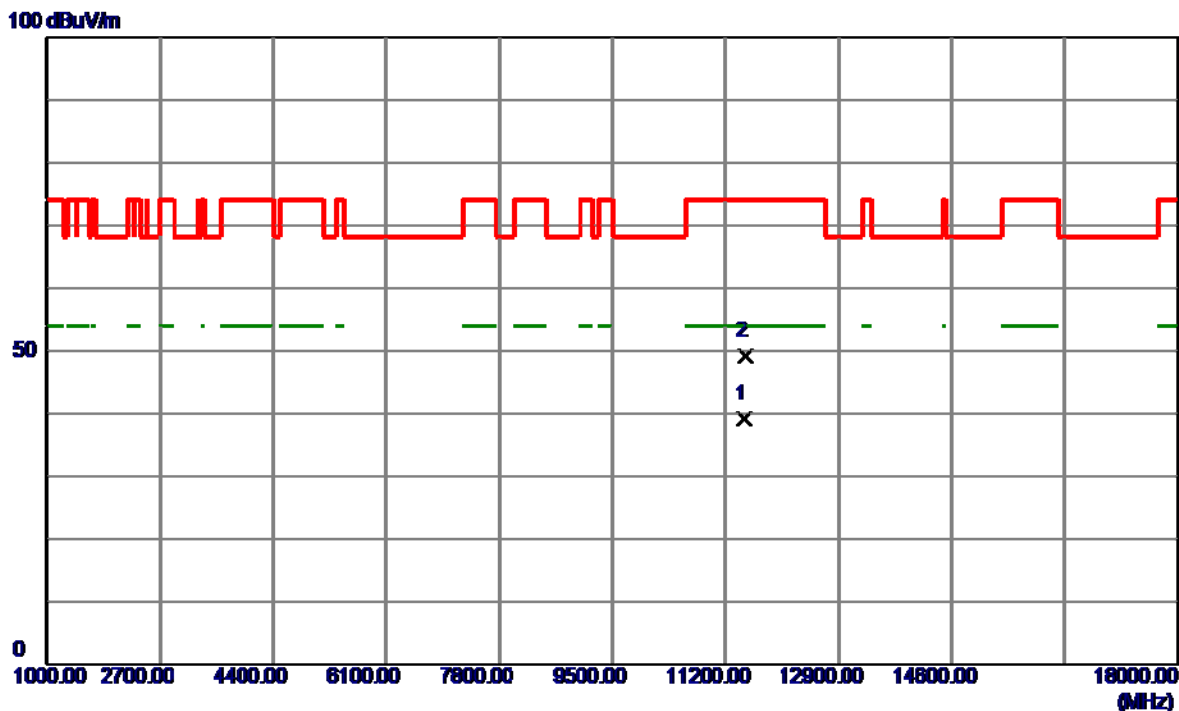


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	38.69	14.97	53.66	109.40	-55.74	Peak	
2	5725.0000	39.31	15.00	54.31	122.20	-67.89	Peak	
3 *	5743.1000	84.70	15.06	99.76	122.20	-22.44	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5745 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

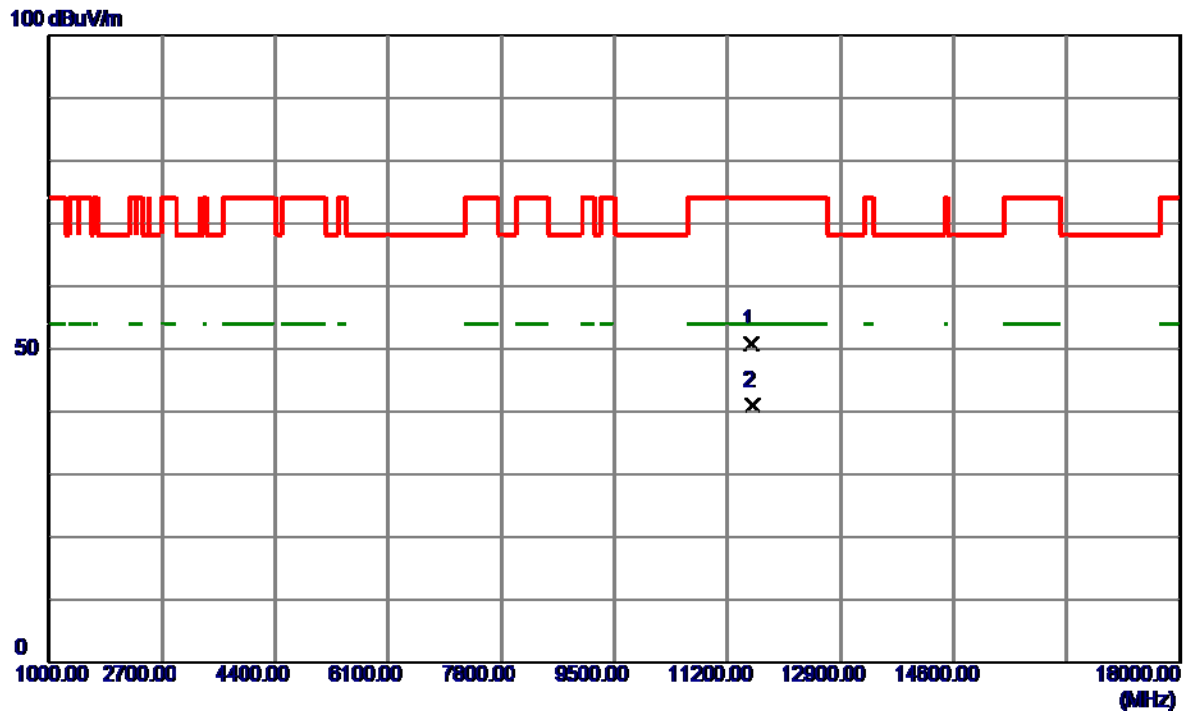


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11490.0500	29.57	9.67	39.24	54.00	-14.76	AVG	
2	11493.0000	39.53	9.67	49.20	74.00	-24.80	Peak	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5785 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

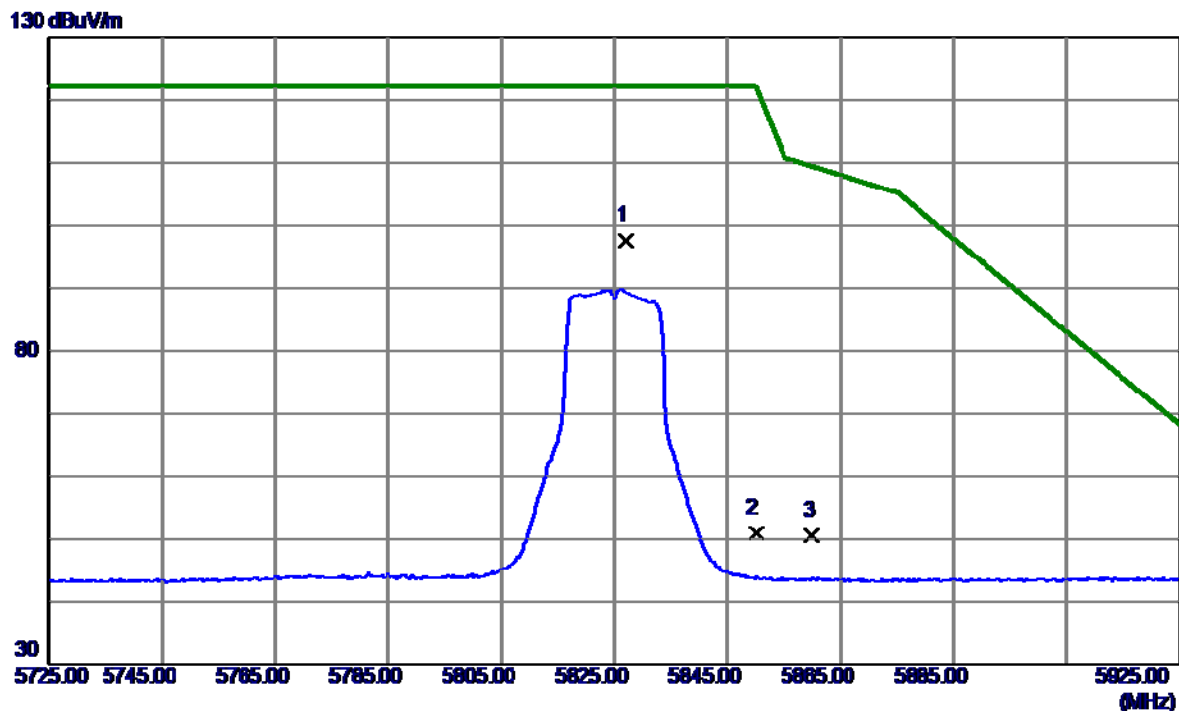


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11567.4000	41.10	9.66	50.76	74.00	-23.24	Peak	
2 *	11569.6000	31.26	9.66	40.92	54.00	-13.08	AVG	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Vertical
-----------	---------------------------	--------------	----------

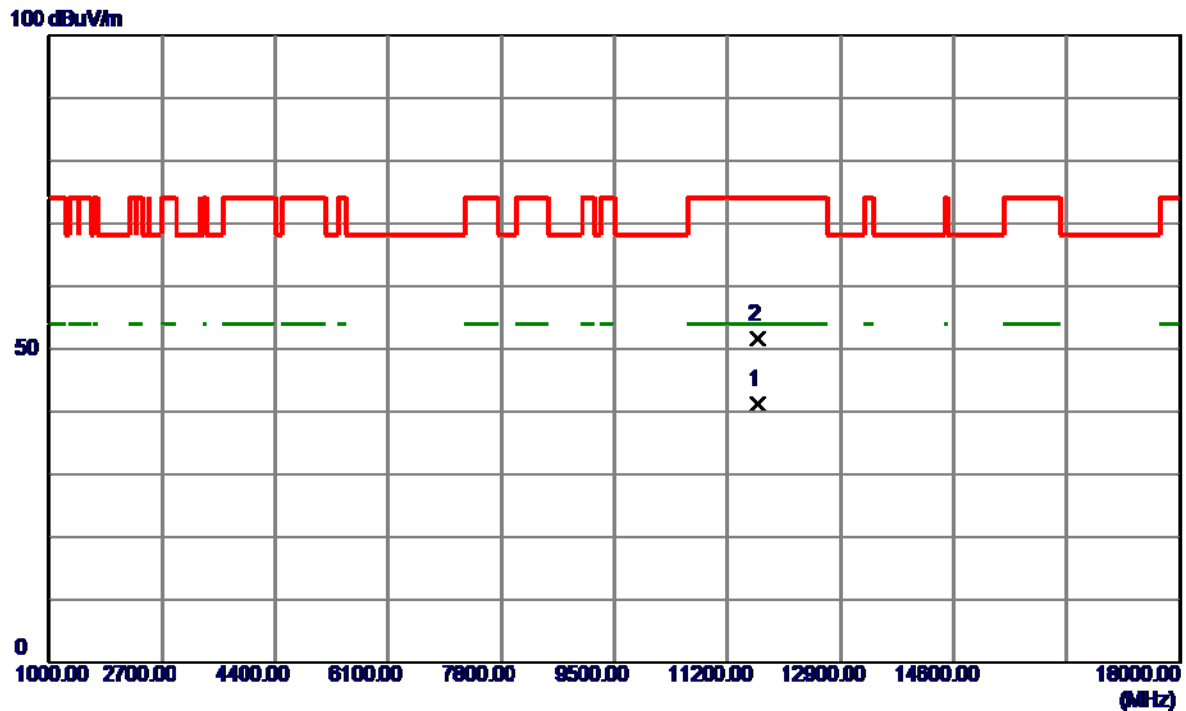


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5827.0000	82.32	15.32	97.64	122.20	-24.56	Peak	No Limit
2	5850.0000	35.52	15.39	50.91	122.20	-71.29	Peak	
3	5860.0000	35.22	15.43	50.65	109.40	-58.75	Peak	

REMARKS:

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

Test Mode	UNII-3_TX A Mode 5825 MHz	Polarization	Horizontal
-----------	---------------------------	--------------	------------

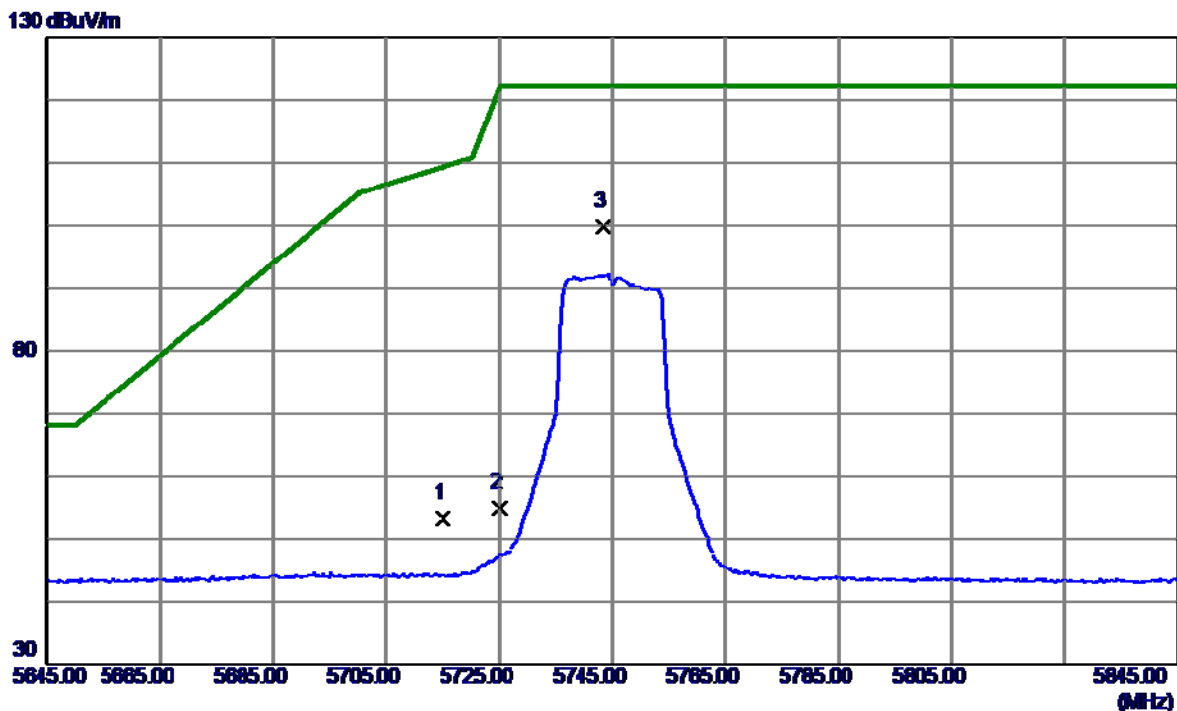


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11650.2500	31.52	9.65	41.17	54.00	-12.83	AVG	
2	11652.5250	42.00	9.65	51.65	74.00	-22.35	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

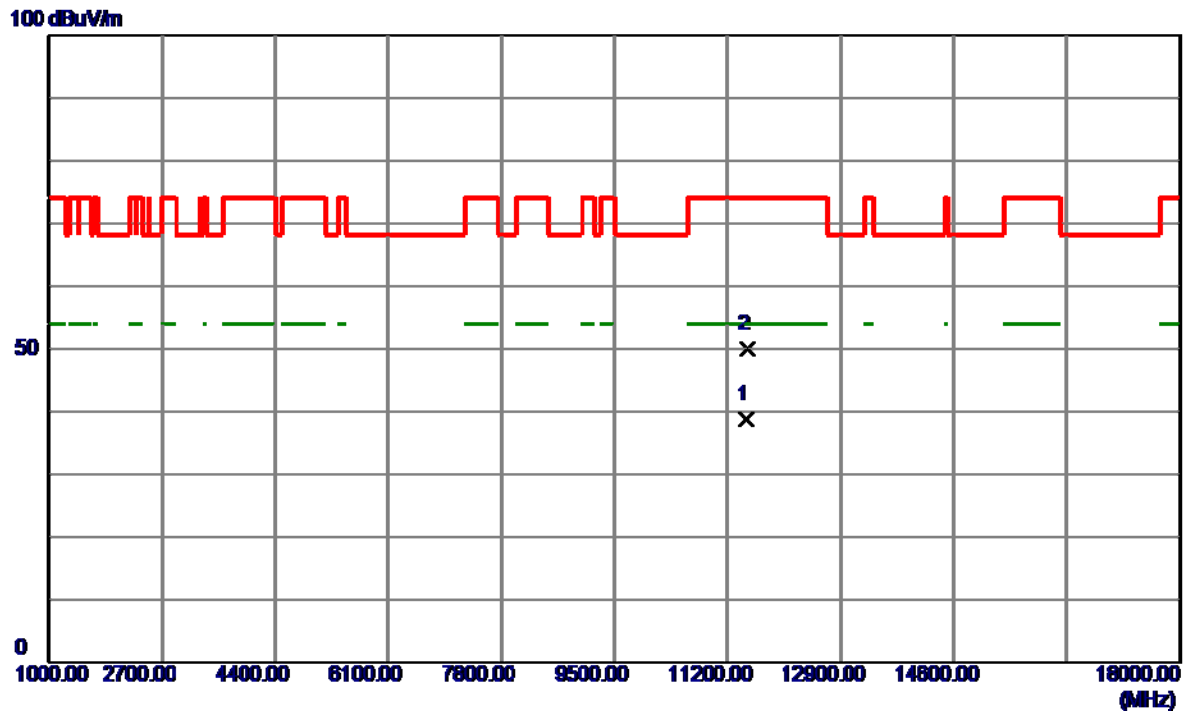


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	38.45	14.97	53.42	109.40	-55.98	Peak	
2	5725.0000	39.91	15.00	54.91	122.20	-67.29	Peak	
3 *	5743.5000	84.70	15.06	99.76	122.20	-22.44	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5745 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

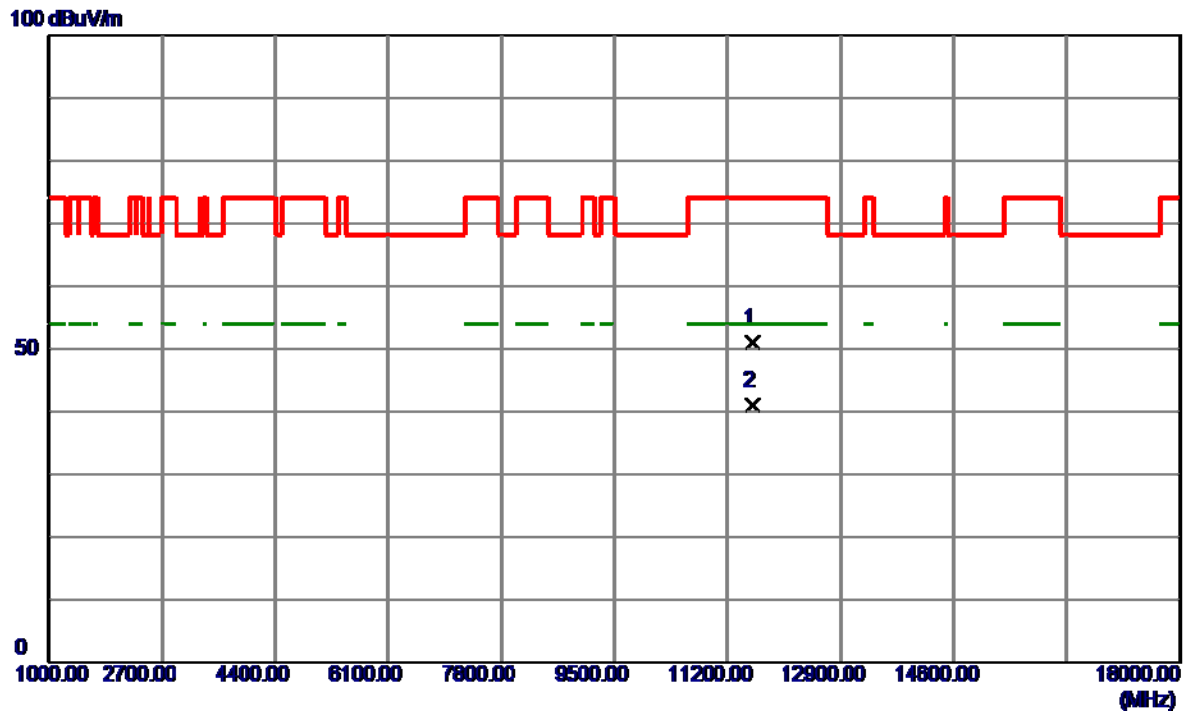


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11489.9750	29.21	9.67	38.88	54.00	-15.12	AVG	
2	11495.0500	40.36	9.67	50.03	74.00	-23.97	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5785 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

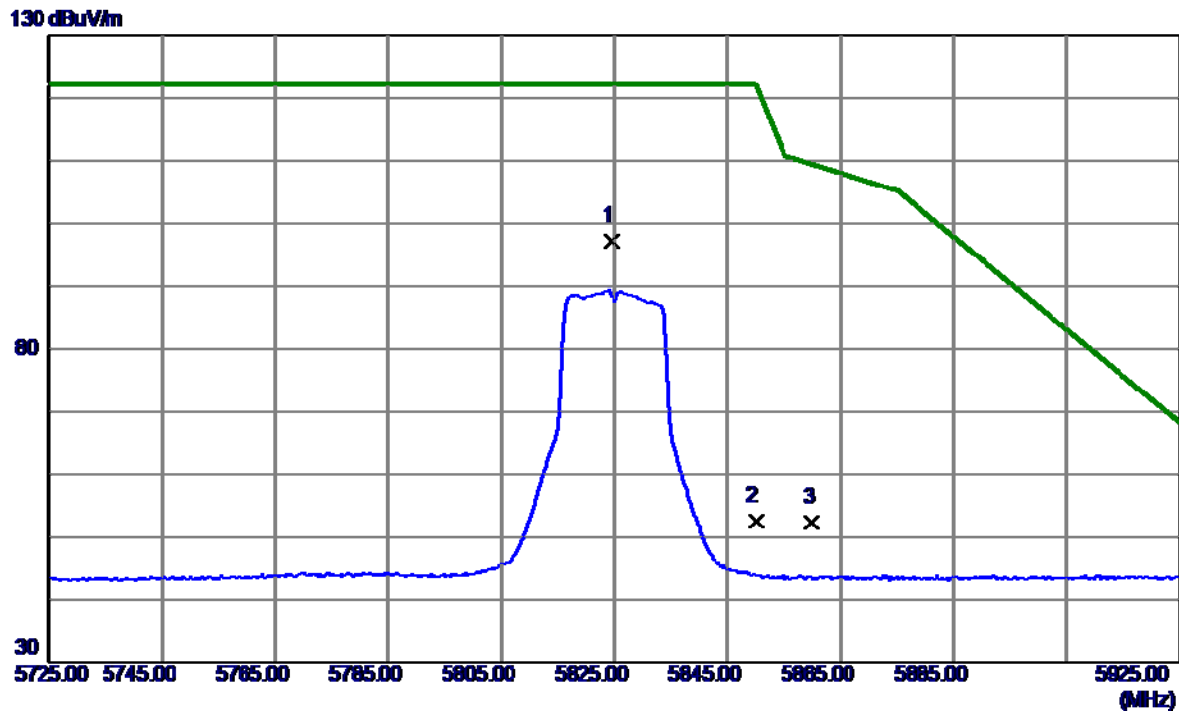


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11568.8500	41.33	9.66	50.99	74.00	-23.01	Peak	
2 *	11572.5750	31.39	9.66	41.05	54.00	-12.95	AVG	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

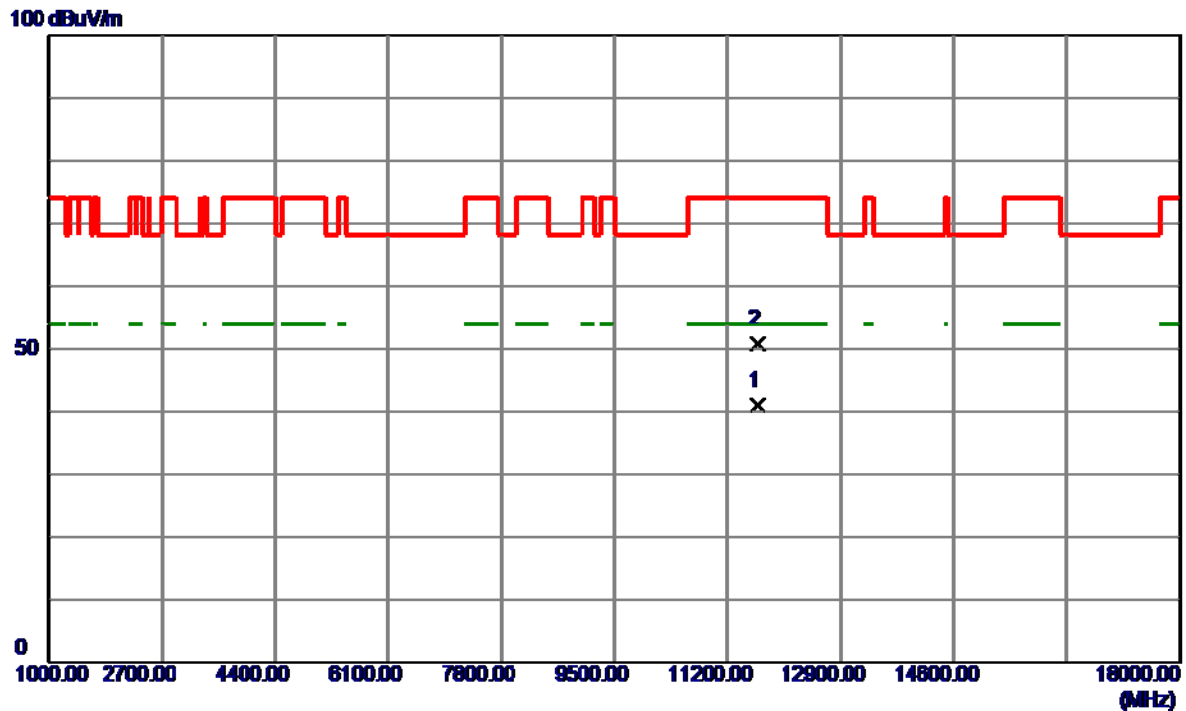


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5824.5000	81.86	15.31	97.17	122.20	-25.03	Peak	No Limit
2	5850.0000	37.22	15.39	52.61	122.20	-69.59	Peak	
3	5860.0000	36.91	15.43	52.34	109.40	-57.06	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT20) Mode 5825 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

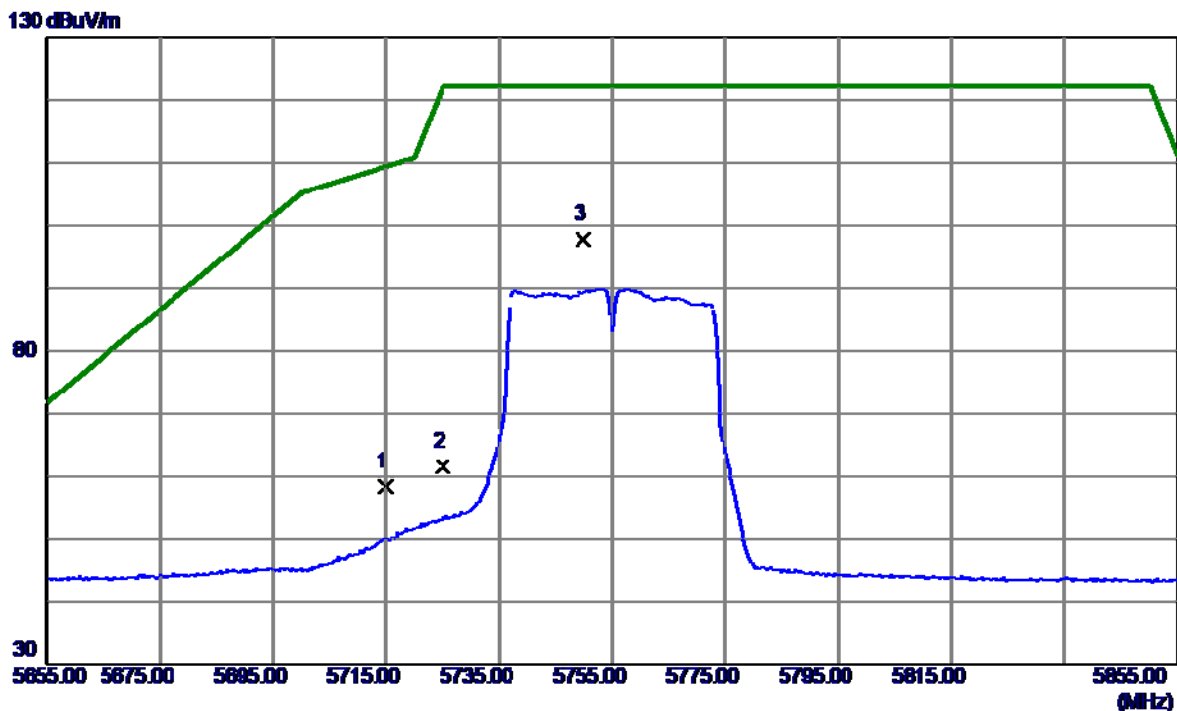


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11650.1250	31.26	9.65	40.91	54.00	-13.09	AVG	
2	11652.3000	41.24	9.65	50.89	74.00	-23.11	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

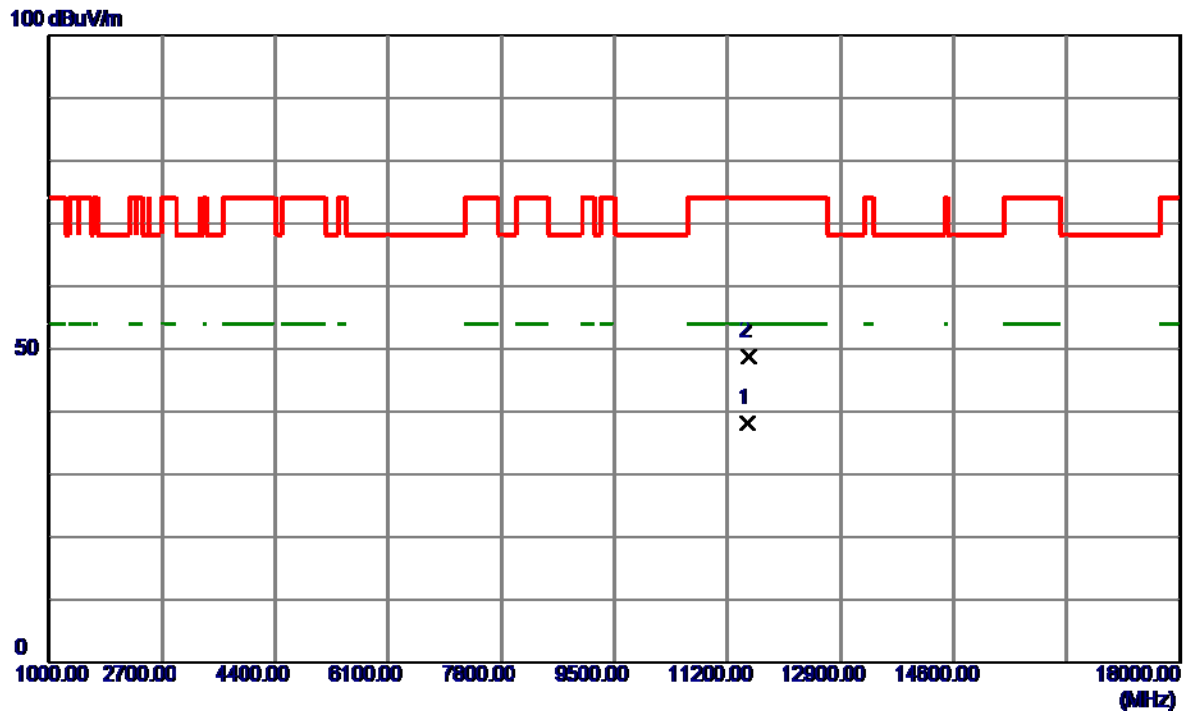


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	43.51	14.97	58.48	109.40	-50.92	Peak	
2	5725.0000	46.68	15.00	61.68	122.20	-60.52	Peak	
3 *	5749.9000	82.76	15.08	97.84	122.20	-24.36	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5755 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

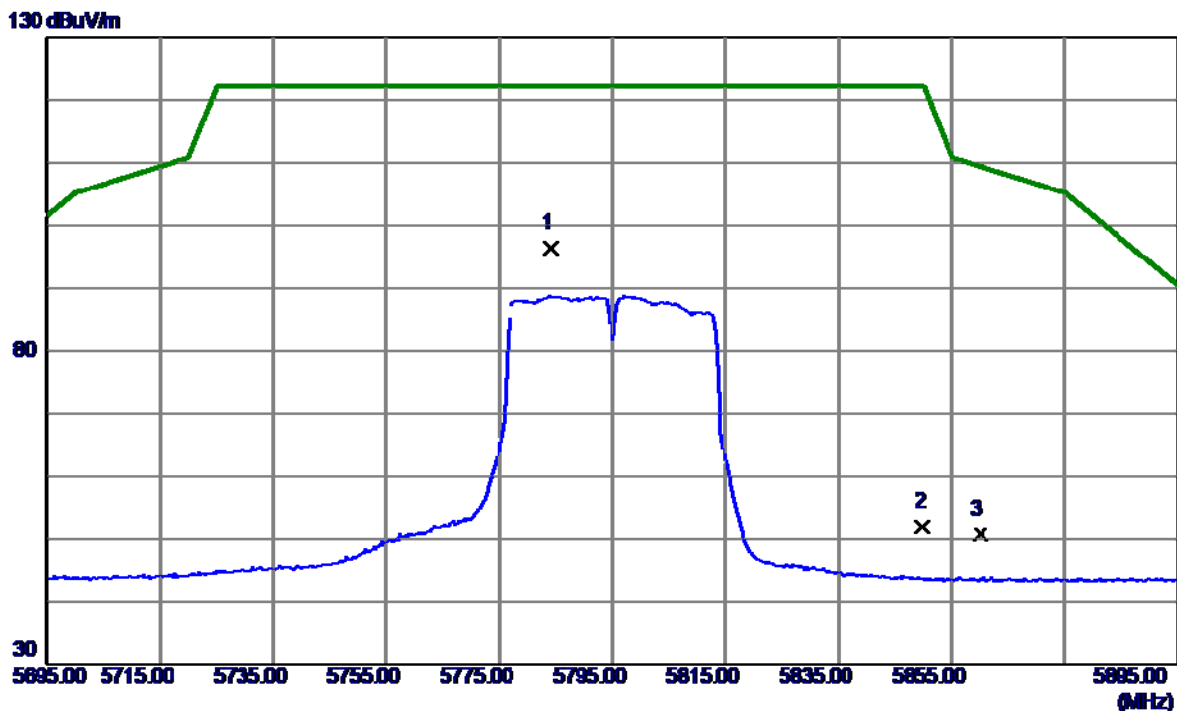


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11510.1750	28.49	9.67	38.16	54.00	-15.84	AVG	
2	11512.1250	39.06	9.67	48.73	74.00	-25.27	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

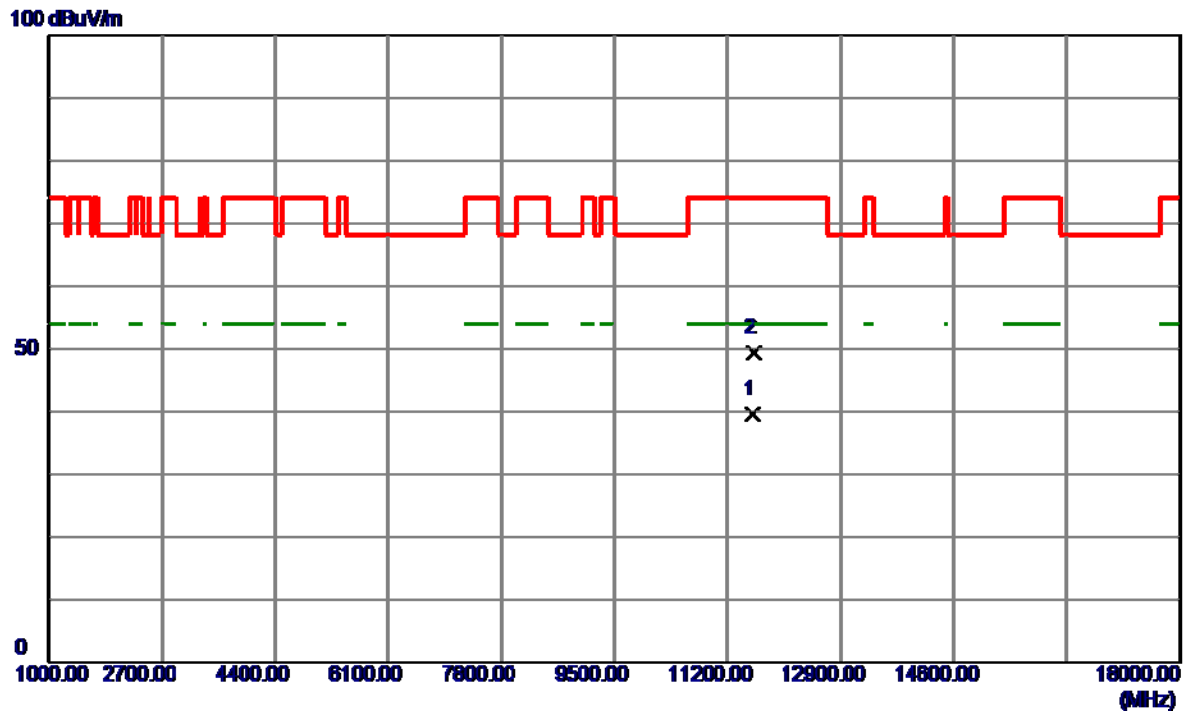


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5784.1000	81.19	15.19	96.38	122.20	-25.82	Peak	No Limit
2	5850.0000	36.59	15.39	51.98	122.20	-70.22	Peak	
3	5860.0000	35.30	15.43	50.73	109.40	-58.67	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT40) Mode 5795 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

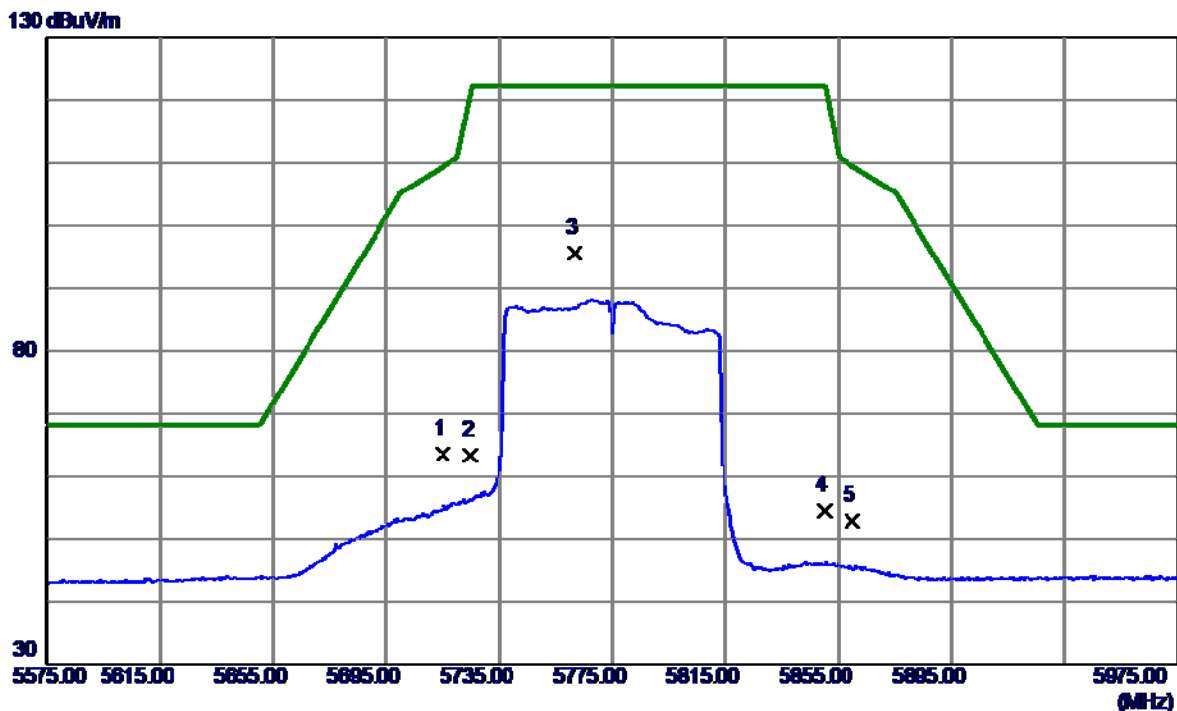


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11582.8500	29.94	9.66	39.60	54.00	-14.40	AVG	
2	11599.0250	39.76	9.66	49.42	74.00	-24.58	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

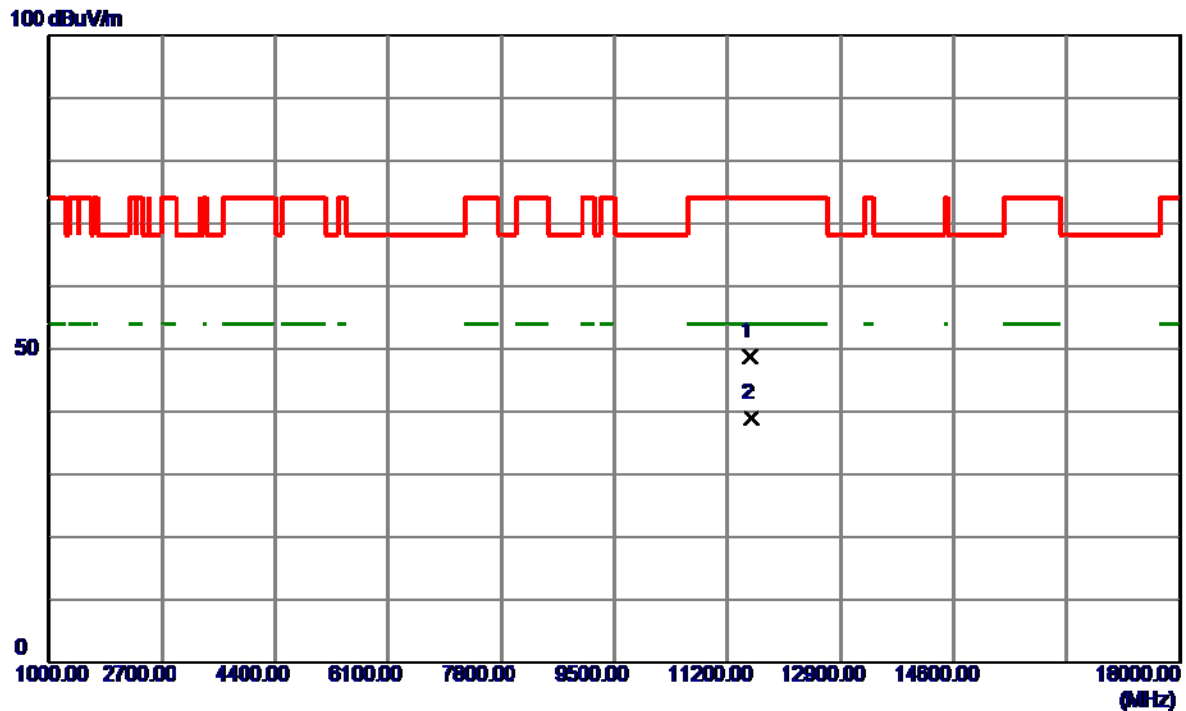


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	48.56	14.97	63.53	109.40	-45.87	Peak	
2	5725.0000	48.35	15.00	63.35	122.20	-58.85	Peak	
3 *	5761.6000	80.49	15.11	95.60	122.20	-26.60	Peak	No Limit
4	5850.0000	39.21	15.39	54.60	122.20	-67.60	Peak	
5	5860.0000	37.55	15.43	52.98	109.40	-56.42	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AC(VHT80) Mode 5775 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------

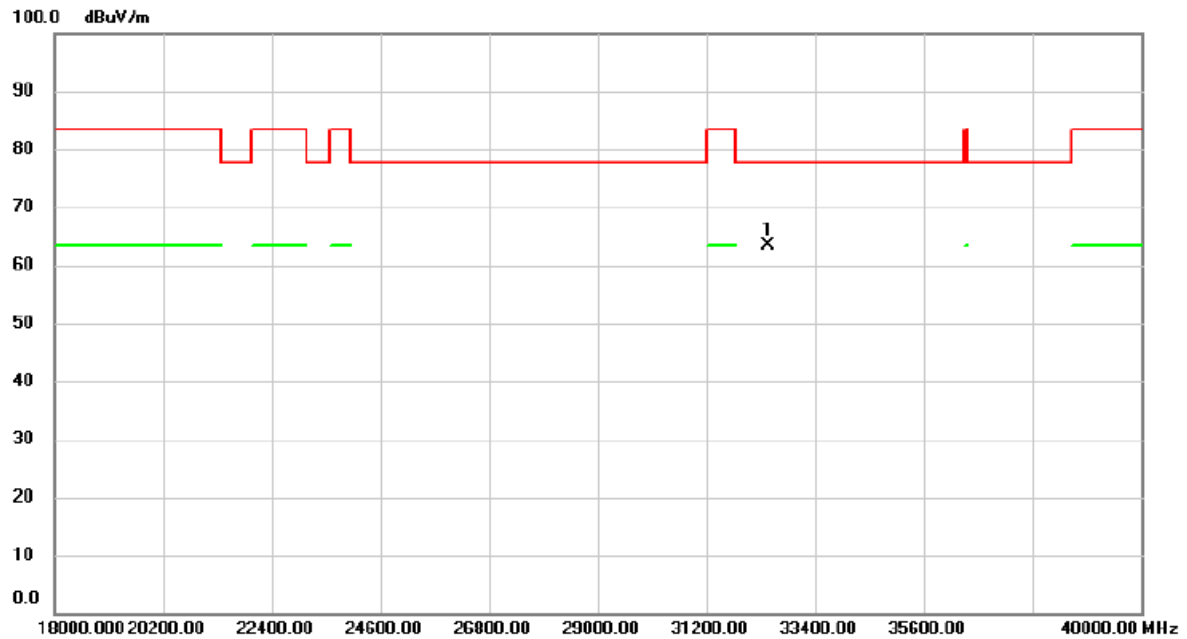


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11544.9500	39.14	9.67	48.81	74.00	-25.19	Peak	
2 *	11549.8500	29.38	9.67	39.05	54.00	-14.95	AVG	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Vertical
-----------	-----------------------------------	--------------	----------

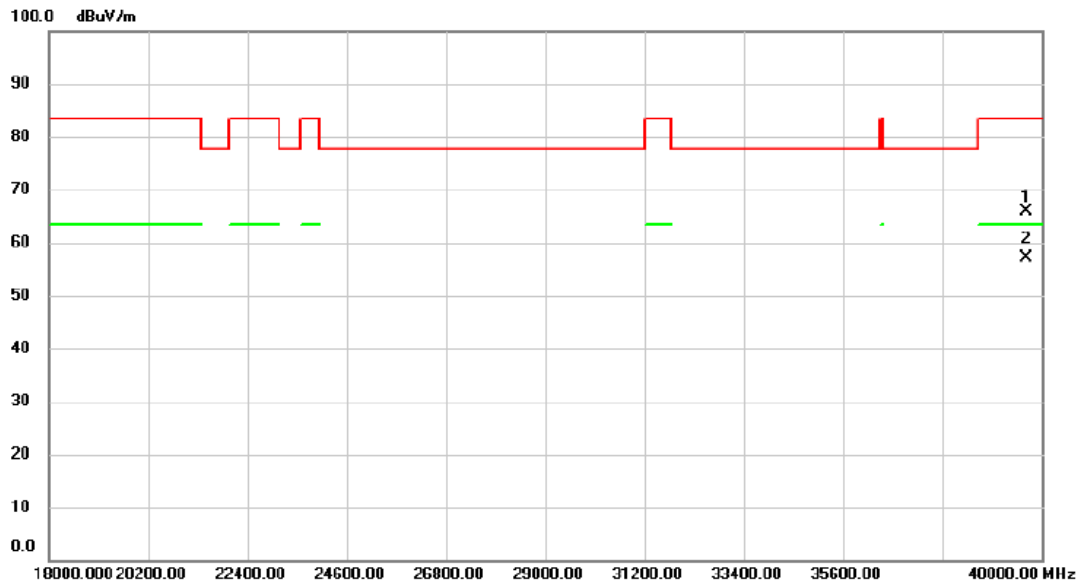


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	32432.00	52.41	10.96	63.37	77.70	-14.33	peak	

REMARKS:

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

Test Mode	UNII-1_TX AC(VHT20) Mode 5180 MHz	Polarization	Horizontal
-----------	-----------------------------------	--------------	------------



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		39648.00	51.65	14.19	65.84	83.50	-17.66	peak	
2	*	39648.00	42.82	14.19	57.01	63.50	-6.49	AVG	

REMARKS:

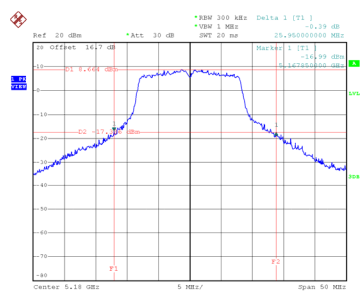
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	UNII-1_TX A Mode
-----------	------------------

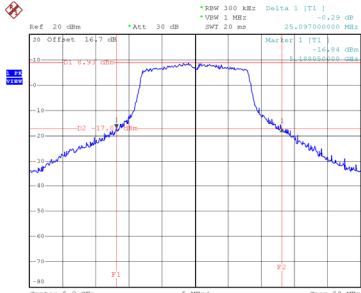
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	25.950	17.100
40	5200	25.097	17.000
48	5240	25.149	17.000

CH36



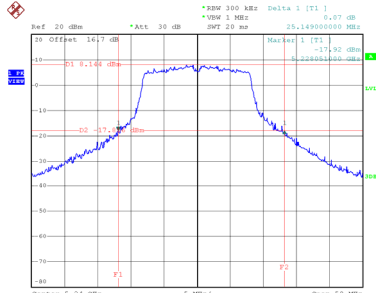
Date: 30.JUL.2024 16:08:50

CH40
26 dB Bandwidth



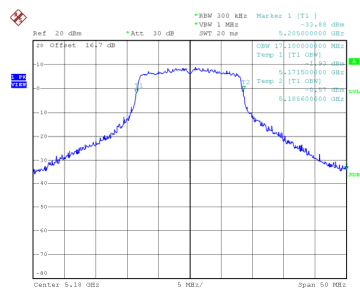
Date: 30.JUL.2024 16:09:57

CH48

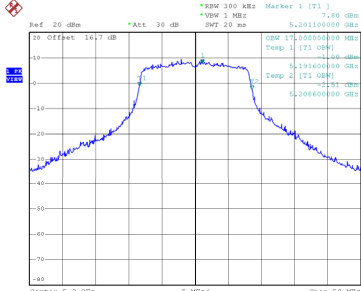


Date: 30.JUL.2024 16:11:01

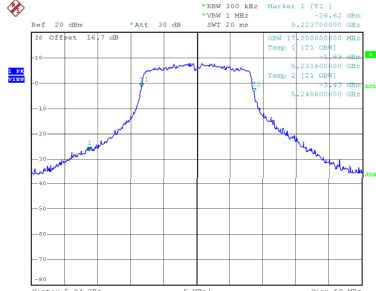
99 % Occupied Bandwidth



Date: 30.JUL.2024 16:08:14



Date: 30.JUL.2024 16:09:17

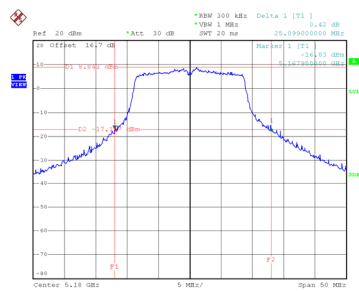


Date: 30.JUL.2024 16:10:23

Test Mode	UNII-1_TX AC(VHT20) Mode
-----------	--------------------------

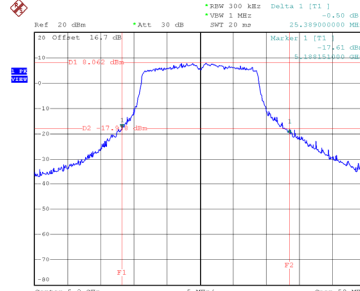
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	25.099	18.200
40	5200	25.389	18.200
48	5240	25.889	18.100

CH36



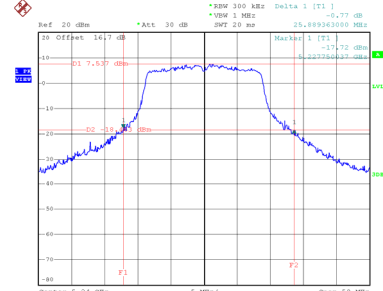
Date: 30.JUL.2024 16:28:28

CH40
26 dB Bandwidth



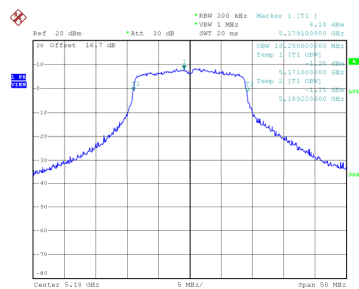
Date: 30.JUL.2024 16:29:58

CH48

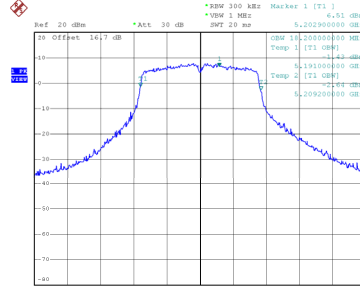


Date: 30.JUL.2024 16:31:18

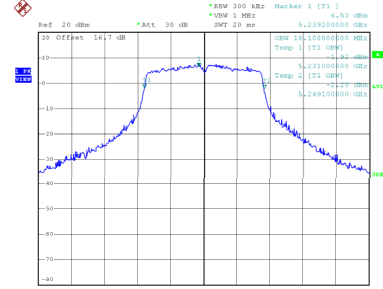
99 % Occupied Bandwidth



Date: 30.JUL.2024 16:27:40



Date: 30.JUL.2024 16:29:18

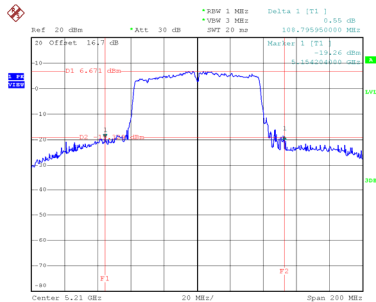


Date: 30.JUL.2024 16:30:36

Test Mode	UNII-1_TX AC(VHT80) Mode
-----------	--------------------------

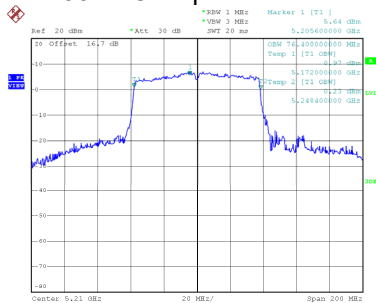
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
42	5210	108.796	76.400

CH42 26 dB Bandwidth



Date: 30.JUL.2024 17:07:00

99 % Occupied Bandwidth

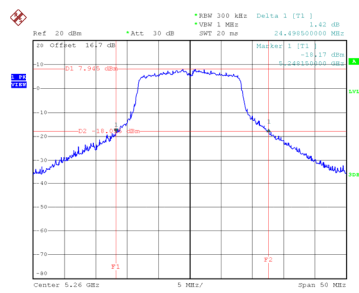


Date: 30.JUL.2024 17:06:03

Test Mode	UNII-2A_TX A Mode
-----------	-------------------

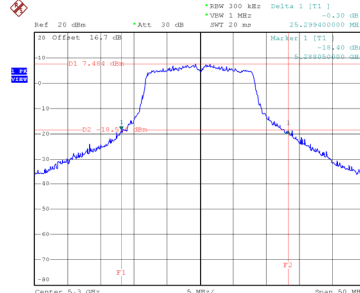
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
52	5260	24.499	17.000
60	5300	25.299	17.000
64	5320	24.699	17.000

CH52



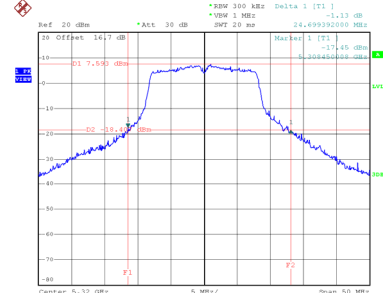
Date: 30.JUL.2024 16:12:14

CH60
26 dB Bandwidth



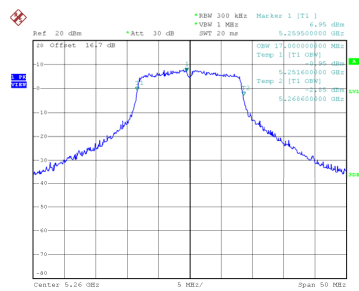
Date: 30.JUL.2024 16:13:17

CH64

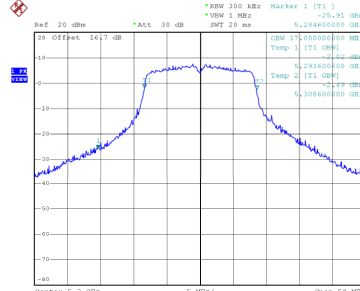


Date: 30.JUL.2024 16:14:49

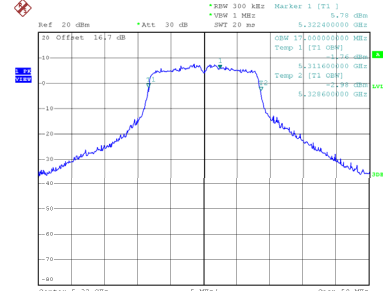
99 % Occupied Bandwidth



Date: 30.JUL.2024 16:11:33



Date: 30.JUL.2024 16:12:38

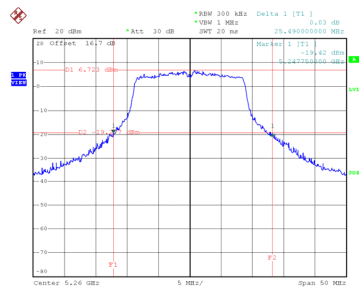


Date: 30.JUL.2024 16:14:11

Test Mode	UNII-2A_TX AC(VHT20) Mode
-----------	---------------------------

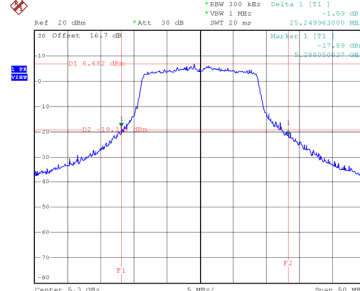
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
52	5260	25.490	18.100
60	5300	25.250	18.100
64	5320	26.400	18.200

CH52



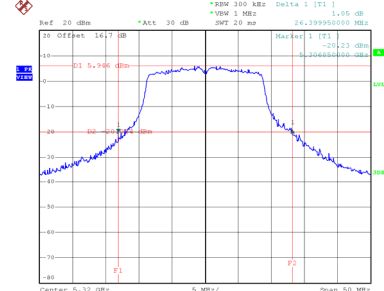
Date: 30.JUL.2024 16:32:47

CH60
26 dB Bandwidth



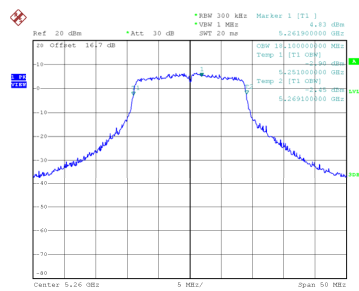
Date: 30.JUL.2024 16:34:12

CH64

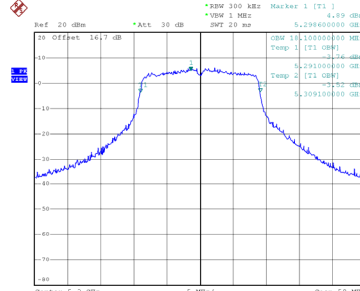


Date: 30.JUL.2024 16:35:26

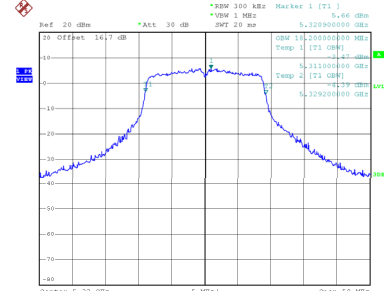
99 % Occupied Bandwidth



Date: 30.JUL.2024 16:32:07



Date: 30.JUL.2024 16:33:33

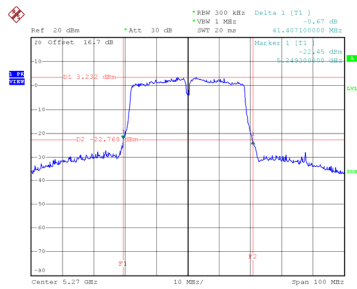


Date: 30.JUL.2024 16:34:50

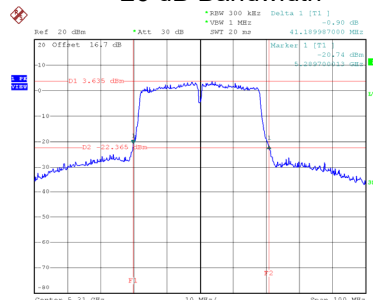
Test Mode	UNII-2A_TX AC(VHT40) Mode
-----------	---------------------------

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
54	5270	41.407	36.800
62	5310	41.190	36.800

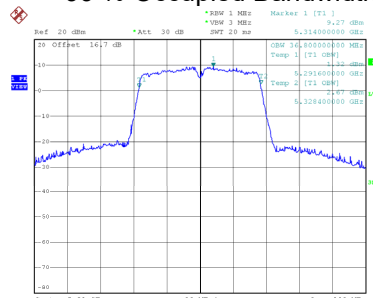
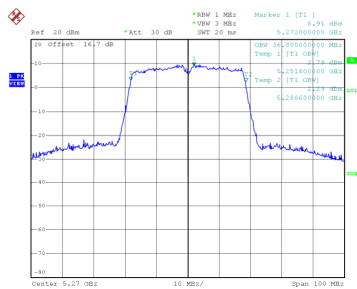
CH54



CH62
26 dB Bandwidth



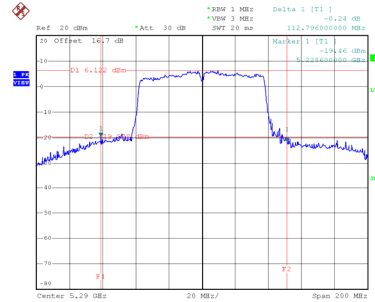
99 % Occupied Bandwidth



Test Mode	UNII-2A_TX AC(VHT80) Mode
-----------	---------------------------

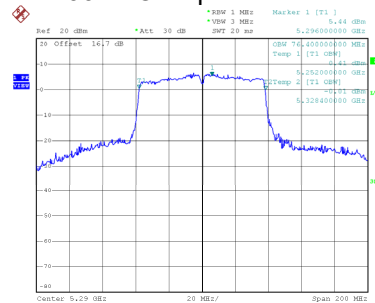
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
58	5290	112.796	76.400

CH58 26 dB Bandwidth



Date: 30.JUL.2024 17:08:40

99 % Occupied Bandwidth

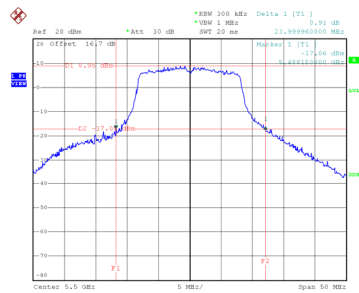


Date: 30.JUL.2024 17:07:48

Test Mode	UNII-2C_TX A Mode
-----------	-------------------

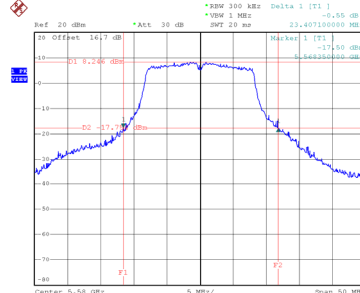
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
100	5500	24.000	17.100
116	5580	23.407	16.900
140	5700	22.757	16.900

CH100



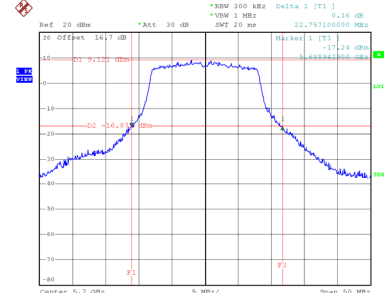
Date: 30.JUL.2024 16:15:53

CH116
26 dB Bandwidth



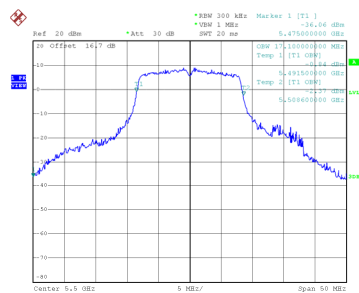
Date: 30.JUL.2024 16:18:37

CH140

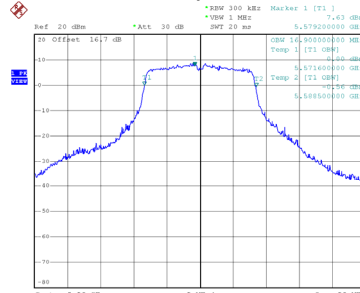


Date: 30.JUL.2024 16:19:42

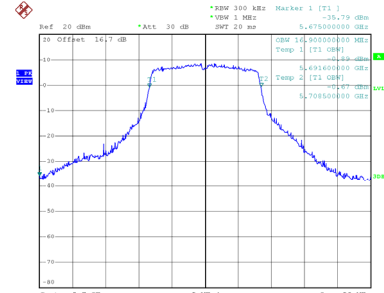
99 % Occupied Bandwidth



Date: 30.JUL.2024 16:15:53



Date: 30.JUL.2024 16:17:53

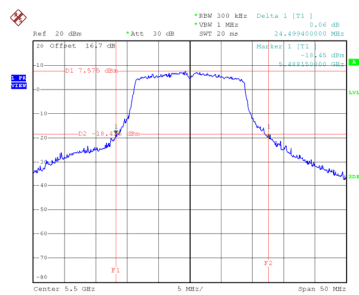


Date: 30.JUL.2024 16:19:02

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

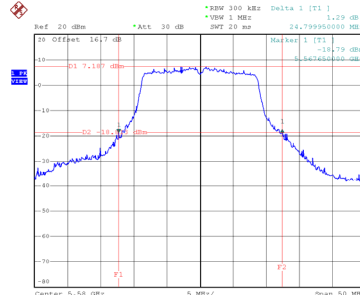
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
100	5500	24.499	18.000
116	5580	24.800	18.000
140	5700	23.890	18.000

CH100



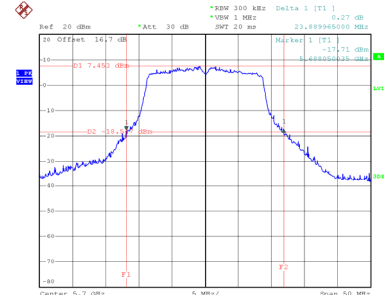
Date: 30.JUL.2024 16:36:57

CH116
26 dB Bandwidth



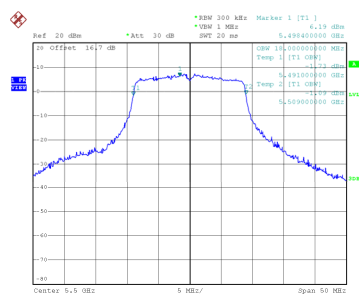
Date: 30.JUL.2024 16:38:22

CH140

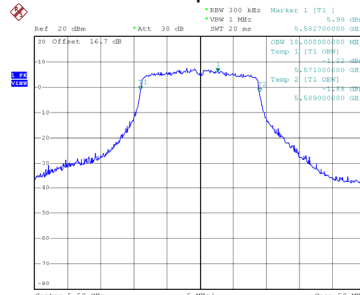


Date: 30.JUL.2024 16:39:55

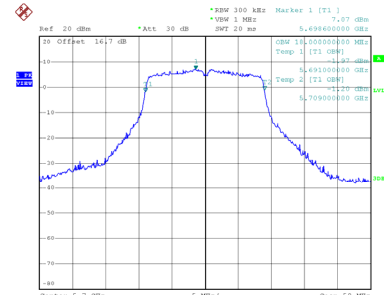
99 % Occupied Bandwidth



Date: 30.JUL.2024 16:36:20



Date: 30.JUL.2024 16:37:40

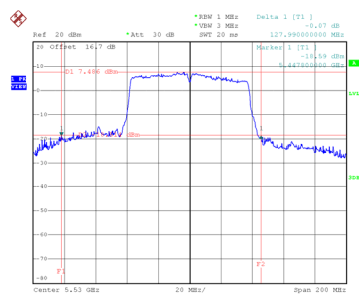


Date: 30.JUL.2024 16:39:15

Test Mode	UNII-2C_TX AC(VHT80) Mode
-----------	---------------------------

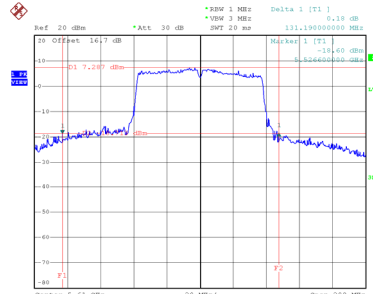
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
106	5530	127.990	76.400
122	5610	131.190	76.400

CH106



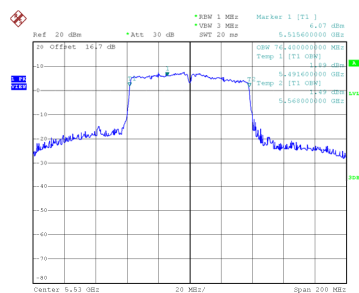
Date: 30.JUL.2024 17:10:18

CH122
26 dB Bandwidth

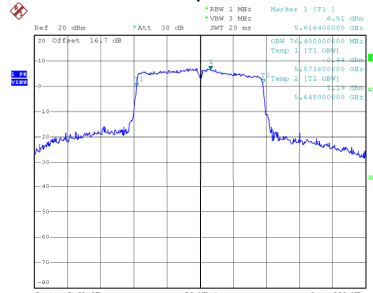


Date: 30.JUL.2024 17:12:03

99 % Occupied Bandwidth



Date: 30.JUL.2024 17:10:17

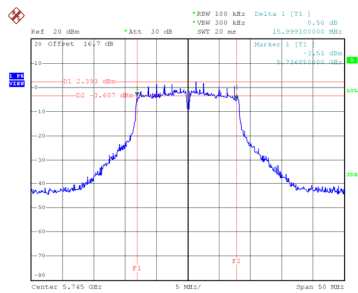


Date: 30.JUL.2024 17:10:59

Test Mode	UNII-3_TX A Mode
-----------	------------------

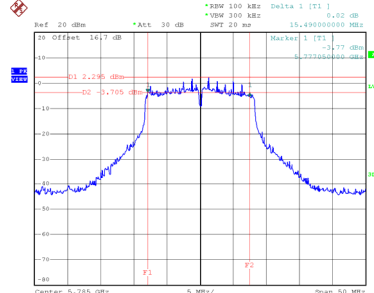
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	15.999	16.900	0.5	Complies
157	5785	15.490	17.000	0.5	Complies
165	5825	16.090	17.000	0.5	Complies

CH149



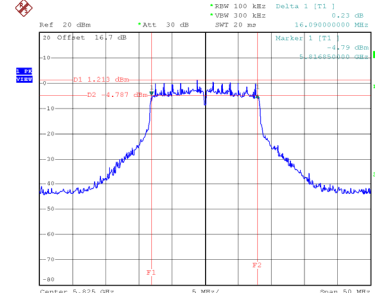
Date: 30.JUL.2024 16:20:56

CH157
6 dB Bandwidth



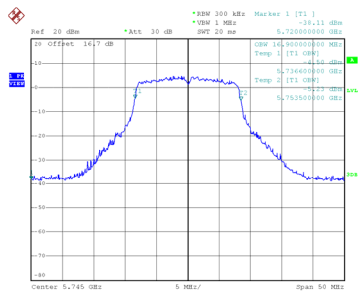
Date: 30.JUL.2024 16:22:35

CH165

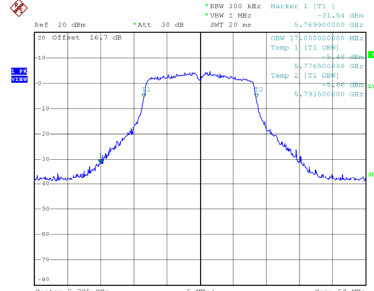


Date: 30.JUL.2024 16:23:56

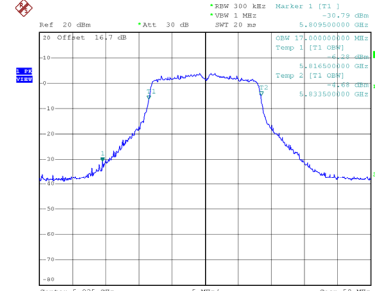
99 % Occupied Bandwidth



Date: 30.JUL.2024 16:20:06



Date: 30.JUL.2024 16:21:43

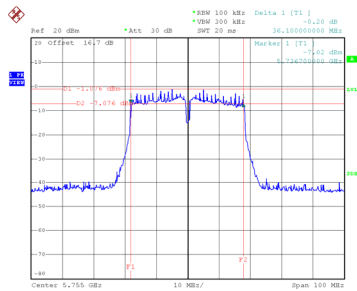


Date: 30.JUL.2024 16:23:06

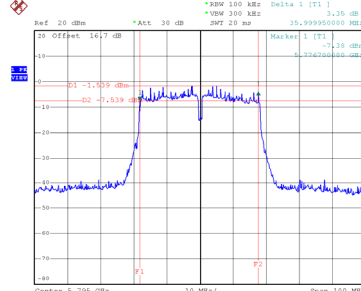
Test Mode	UNII-3_TX AC(VHT40) Mode
-----------	--------------------------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
151	5755	36.100	36.600	0.5	Complies
159	5795	36.000	36.800	0.5	Complies

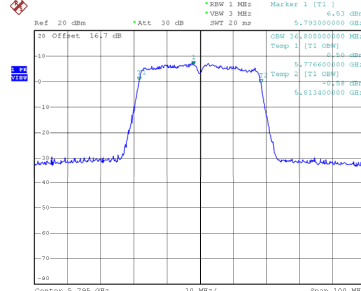
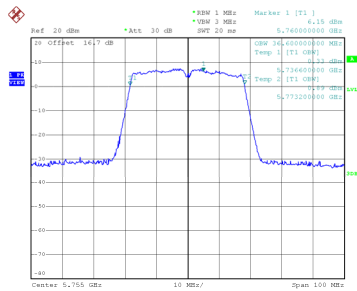
CH151



CH159 6 dB Bandwidth



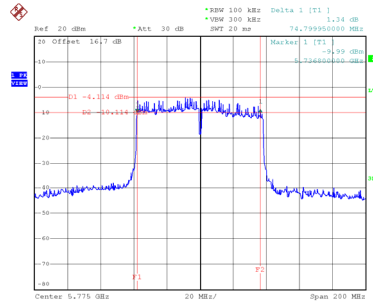
99 % Occupied Bandwidth



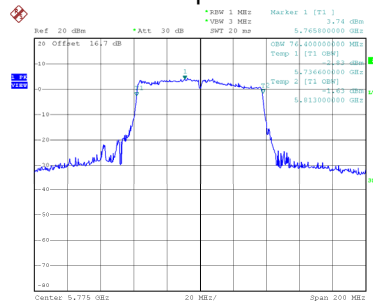
Test Mode	UNII-3_TX AC(VHT80) Mode
-----------	--------------------------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
155	5775	74.800	76.400	0.5	Complies

CH155 6 dB Bandwidth



99 % Occupied Bandwidth



APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	UNII-1_TX A Mode_Ant. 1
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	16.42	0.00	16.42	23.98	0.2500	Complies
40	5200	16.56	0.00	16.56	23.98	0.2500	Complies
48	5240	16.23	0.00	16.23	23.98	0.2500	Complies

Test Mode	UNII-1_TX N(HT20) Mode_Ant. 1
-----------	-------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	16.43	0.09	16.52	23.98	0.2500	Complies
40	5200	16.22	0.09	16.31	23.98	0.2500	Complies
48	5240	16.24	0.09	16.33	23.98	0.2500	Complies

Test Mode	UNII-1_TX N(HT40) Mode_Ant. 1
-----------	-------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	12.98	0.16	13.14	23.98	0.2500	Complies
46	5230	15.39	0.16	15.55	23.98	0.2500	Complies

Test Mode	UNII-1_TX AC(VHT20) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	16.48	0.09	16.57	23.98	0.2500	Complies
40	5200	16.25	0.09	16.34	23.98	0.2500	Complies
48	5240	16.32	0.09	16.41	23.98	0.2500	Complies

Test Mode	UNII-1_TX AC(VHT40) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	13.02	0.16	13.18	23.98	0.2500	Complies
46	5230	15.52	0.16	15.68	23.98	0.2500	Complies

Test Mode	UNII-1_TX AC(VHT80) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	9.95	0.32	10.27	23.98	0.2500	Complies

Test Mode	UNII-2A_TX A Mode_Ant. 1
-----------	--------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	16.45	0.00	16.45	23.98	0.2500	Complies
60	5300	16.28	0.00	16.28	23.98	0.2500	Complies
64	5320	16.16	0.00	16.16	23.98	0.2500	Complies

Test Mode	UNII-2A_TX N(HT20) Mode_Ant. 1
-----------	--------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	15.26	0.09	15.35	23.98	0.2500	Complies
60	5300	15.15	0.09	15.24	23.98	0.2500	Complies
64	5320	15.11	0.09	15.20	23.98	0.2500	Complies

Test Mode	UNII-2A_TX N(HT40) Mode_Ant. 1
-----------	--------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	14.87	0.16	15.03	23.98	0.2500	Complies
62	5310	12.56	0.16	12.72	23.98	0.2500	Complies

Test Mode	UNII-2A_TX AC(VHT20) Mode_Ant. 1
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	15.48	0.09	15.57	23.98	0.2500	Complies
60	5300	15.19	0.09	15.28	23.98	0.2500	Complies
64	5320	15.13	0.09	15.22	23.98	0.2500	Complies

Test Mode	UNII-2A_TX AC(VHT40) Mode_Ant. 1
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	15.06	0.16	15.22	23.98	0.2500	Complies
62	5310	12.68	0.16	12.84	23.98	0.2500	Complies

Test Mode	UNII-2A_TX AC(VHT80) Mode_Ant. 1
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
58	5290	15.18	0.32	15.50	23.98	0.2500	Complies

Test Mode	UNII-2C_TX A Mode_Ant. 1
-----------	--------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	16.31	0.00	16.31	23.98	0.2500	Complies
116	5580	16.25	0.00	16.25	23.98	0.2500	Complies
140	5700	16.49	0.00	16.49	23.98	0.2500	Complies

Test Mode	UNII-2C_TX N(HT20) Mode_Ant. 1
-----------	--------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.06	0.09	15.15	23.98	0.2500	Complies
116	5580	15.03	0.09	15.12	23.98	0.2500	Complies
140	5700	15.34	0.09	15.43	23.98	0.2500	Complies

Test Mode	UNII-2C_TX N(HT40) 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	13.49	0.16	13.65	23.98	0.2500	Complies
110	5550	15.23	0.16	15.39	23.98	0.2500	Complies
134	5670	15.07	0.16	15.23	23.98	0.2500	Complies

Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 1
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	15.18	0.09	15.27	23.98	0.2500	Complies
116	5580	15.23	0.09	15.32	23.98	0.2500	Complies
140	5700	15.45	0.09	15.54	23.98	0.2500	Complies

Test Mode	UNII-2C_TX AC(VHT40) 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	13.64	0.16	13.80	23.98	0.2500	Complies
110	5550	15.27	0.16	15.43	23.98	0.2500	Complies
134	5670	15.35	0.16	15.51	23.98	0.2500	Complies

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 1
-----------	----------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
106	5530	10.77	0.32	11.09	23.98	0.2500	Complies
122	5610	15.34	0.32	15.66	23.98	0.2500	Complies

Test Mode	UNII-3_TX A Mode_Ant. 1
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	12.36	0.00	12.36	30.00	1.0000	Complies
157	5785	12.26	0.00	12.26	30.00	1.0000	Complies
165	5825	12.14	0.00	12.14	30.00	1.0000	Complies

Test Mode	UNII-3_TX N(HT20) Mode_Ant. 1
-----------	-------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	12.24	0.09	12.33	30.00	1.0000	Complies
157	5785	12.26	0.09	12.35	30.00	1.0000	Complies
165	5825	12.13	0.09	12.22	30.00	1.0000	Complies

Test Mode	UNII-3_TX N(HT40) Mode_Ant. 1
-----------	-------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	12.33	0.16	12.49	30.00	1.0000	Complies
159	5795	12.44	0.16	12.60	30.00	1.0000	Complies

Test Mode	UNII-3_TX AC(VHT20) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	12.38	0.09	12.47	30.00	1.0000	Complies
157	5785	12.28	0.09	12.37	30.00	1.0000	Complies
165	5825	12.14	0.09	12.23	30.00	1.0000	Complies

Test Mode	UNII-3_TX AC(VHT40) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	12.45	0.16	12.61	30.00	1.0000	Complies
159	5795	12.53	0.16	12.69	30.00	1.0000	Complies

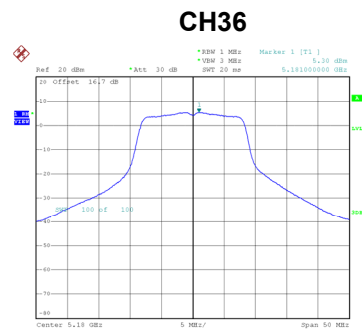
Test Mode	UNII-3_TX AC(VHT80) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	12.37	0.32	12.69	30.00	1.0000	Complies

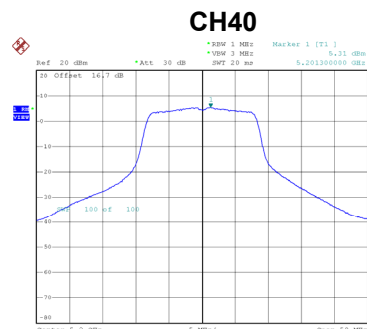
APPENDIX G - POWER SPECTRAL DENSITY

Test Mode	UNII-1_TX A Mode_Ant. 1
-----------	-------------------------

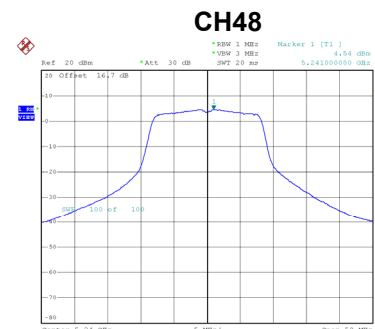
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	5.30	0.00	5.30	11.00	Complies
40	5200	5.31	0.00	5.31	11.00	Complies
48	5240	4.54	0.00	4.54	11.00	Complies



Date: 30.JUL.2024 17:21:21



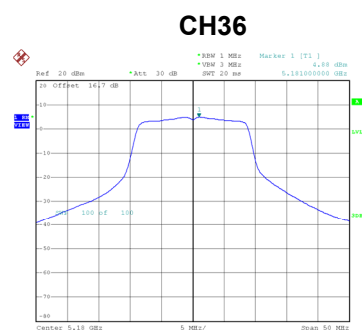
Date: 30.JUL.2024 17:22:01



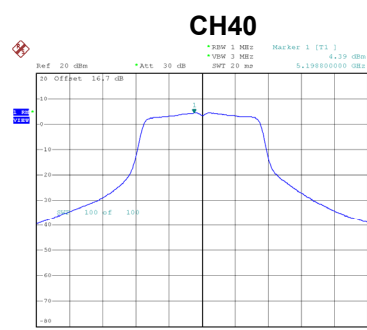
Date: 30.JUL.2024 17:22:40

Test Mode	UNII-1_TX AC(VHT20) Mode_Ant. 1
-----------	---------------------------------

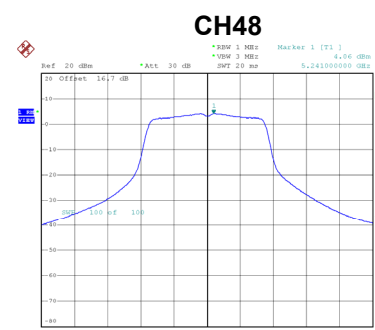
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	4.88	0.09	4.97	11.00	Complies
40	5200	4.39	0.09	4.48	11.00	Complies
48	5240	4.06	0.09	4.15	11.00	Complies



Date: 30.JUL.2024 17:30:19



Date: 30.JUL.2024 17:30:49

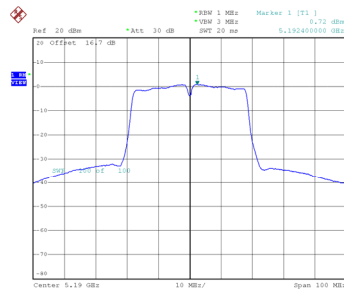


Date: 30.JUL.2024 17:31:20

Test Mode	UNII-1_TX AC(VHT40) Mode_Ant. 1
-----------	---------------------------------

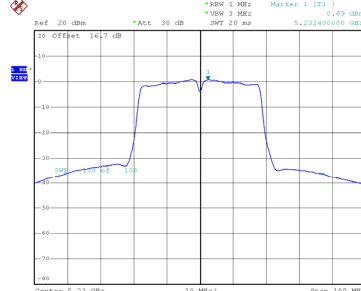
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	0.72	0.16	0.88	11.00	Complies
46	5230	0.69	0.16	0.85	11.00	Complies

CH38



Date: 30.JUL.2024 17:37:19

CH46

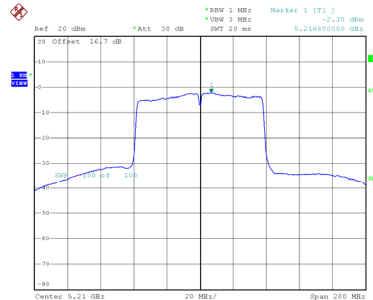


Date: 30.JUL.2024 17:37:51

Test Mode	UNII-1_TX AC(VHT80) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	-2.30	0.32	-1.98	11.00	Complies

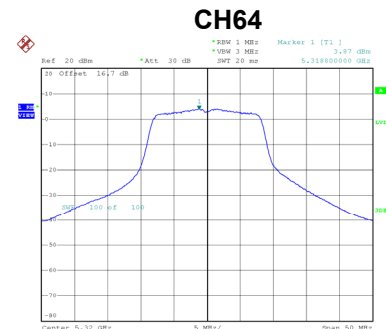
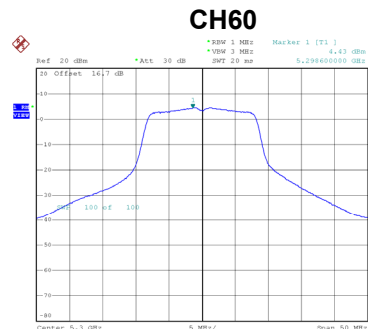
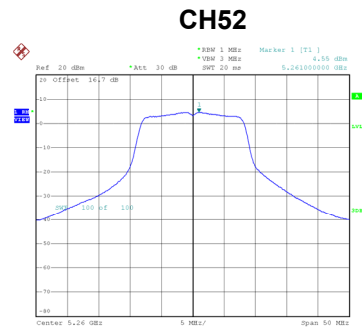
CH42



Date: 30.JUL.2024 17:40:36

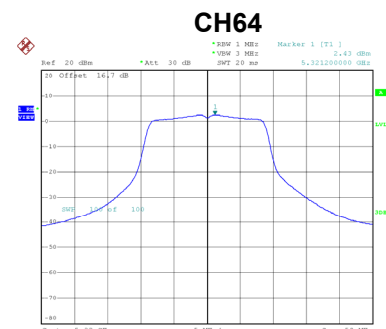
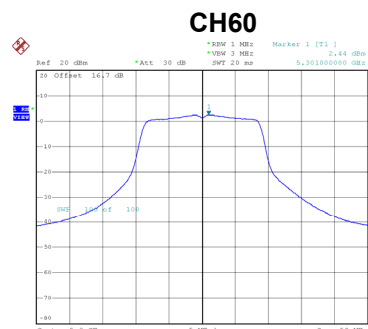
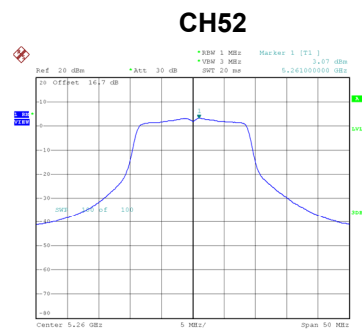
Test Mode	UNII-2A_TX A Mode_Ant. 1
-----------	--------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	4.55	0.00	4.55	11.00	Complies
60	5300	4.43	0.00	4.43	11.00	Complies
64	5320	3.87	0.00	3.87	11.00	Complies



Test Mode	UNII-2A_TX AC(VHT20) Mode_Ant. 1
-----------	----------------------------------

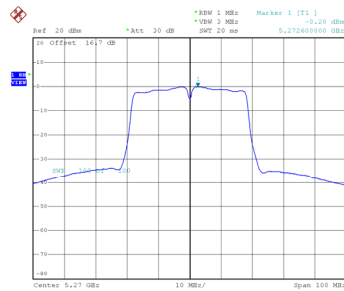
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	3.07	0.09	3.16	11.00	Complies
60	5300	2.44	0.09	2.53	11.00	Complies
64	5320	2.43	0.09	2.52	11.00	Complies



Test Mode	UNII-2A_TX AC(VHT40) Mode_Ant. 1
-----------	----------------------------------

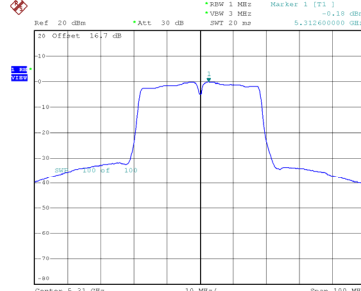
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	-0.20	0.16	-0.04	11.00	Complies
62	5310	-0.18	0.16	-0.02	11.00	Complies

CH54



Date: 30.JUL.2024 17:38:33

CH62

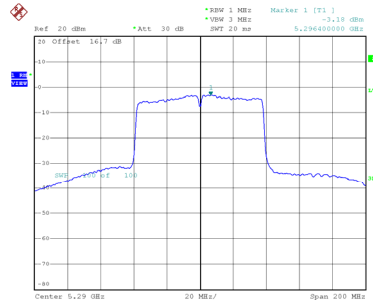


Date: 30.JUL.2024 17:39:14

Test Mode	UNII-2A_TX AC(VHT80) Mode_Ant. 1
-----------	----------------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290	-3.18	0.32	-2.86	11.00	Complies

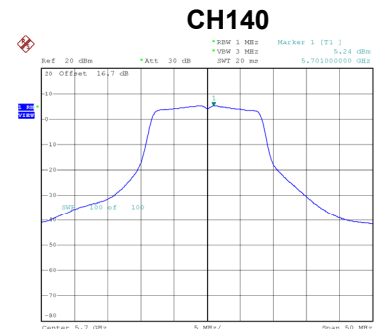
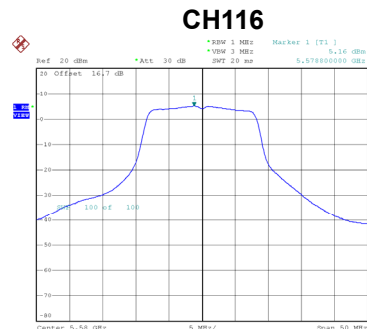
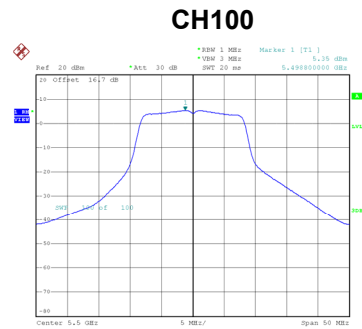
CH58



Date: 30.JUL.2024 17:44:22

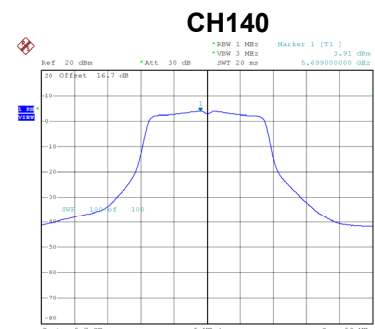
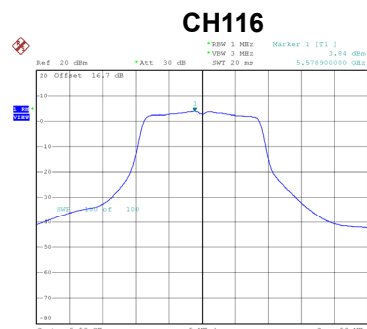
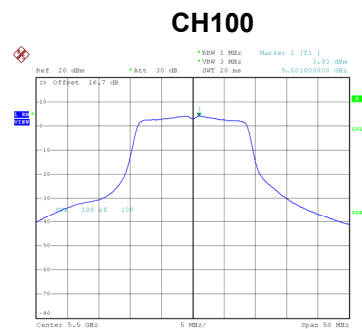
Test Mode	UNII-2C_TX A Mode_Ant. 1
-----------	--------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	5.35	0.00	5.35	11.00	Complies
116	5580	5.16	0.00	5.16	11.00	Complies
140	5700	5.24	0.00	5.24	11.00	Complies



Test Mode	UNII-2C_TX AC(VHT20) Mode_Ant. 1
-----------	----------------------------------

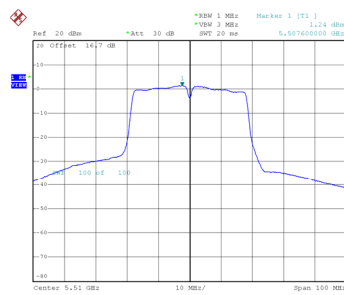
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	3.93	0.09	4.02	11.00	Complies
116	5580	3.84	0.09	3.93	11.00	Complies
140	5700	3.91	0.09	4.00	11.00	Complies



Test Mode	UNII-2C_TX AC(VHT40) Mode_Ant. 1
-----------	----------------------------------

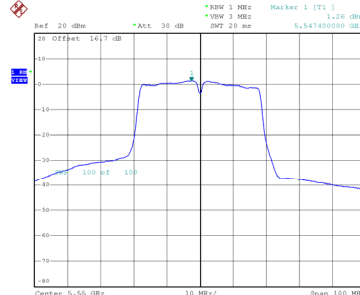
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	1.24	0.16	1.40	11.00	Complies
110	5550	1.26	0.16	1.42	11.00	Complies
134	5670	0.87	0.16	1.03	11.00	Complies

CH102



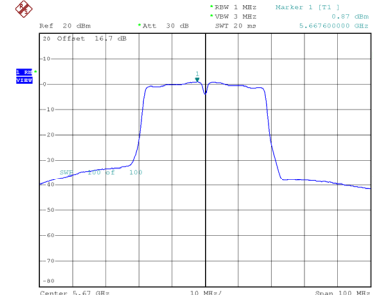
Date: 30.JUL.2024 17:39:49

CH110



Date: 30.JUL.2024 17:40:23

CH134

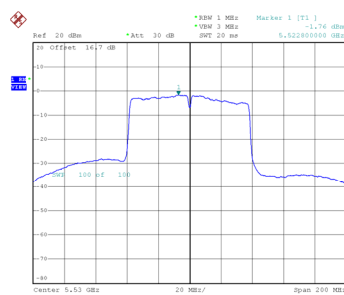


Date: 30.JUL.2024 17:40:59

Test Mode	UNII-2C_TX AC(VHT80) Mode_Ant. 1
-----------	----------------------------------

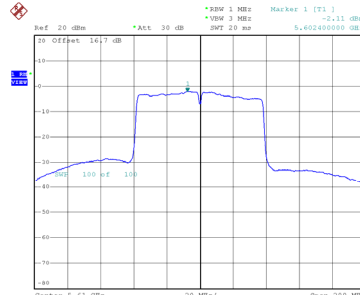
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
106	5530	-1.76	0.32	-1.44	11.00	Complies
122	5610	-2.11	0.32	-1.79	11.00	Complies

CH106



Date: 30.JUL.2024 17:45:06

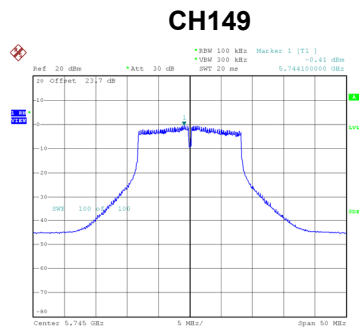
CH122



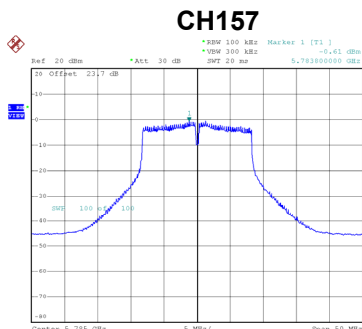
Date: 30.JUL.2024 17:45:47

Test Mode	UNII-3_TX A Mode_Ant. 1
-----------	-------------------------

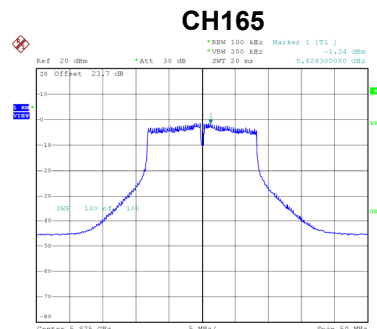
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	-0.41	0.00	-0.41	30.00	Complies
157	5785	-0.61	0.00	-0.61	30.00	Complies
165	5825	-1.34	0.00	-1.34	30.00	Complies



Date: 30.JUL.2024 17:28:17



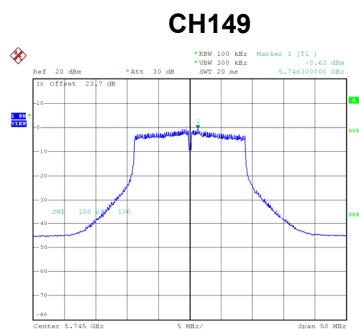
Date: 30.JUL.2024 17:28:44



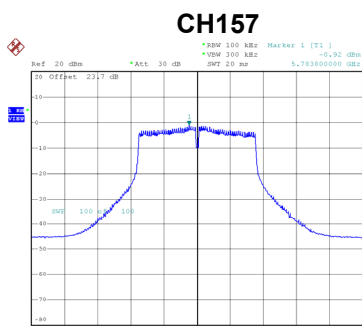
Date: 30.JUL.2024 17:29:21

Test Mode	UNII-3_TX AC(VHT20) Mode_Ant. 1
-----------	---------------------------------

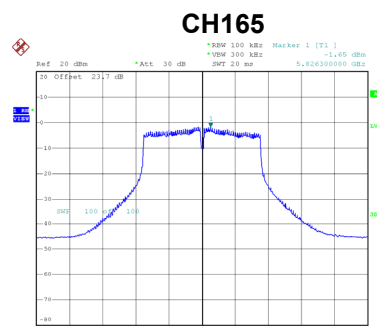
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	-0.62	0.09	-0.53	30.00	Complies
157	5785	-0.92	0.09	-0.83	30.00	Complies
165	5825	-1.65	0.09	-1.56	30.00	Complies



Date: 30.JUL.2024 17:35:16



Date: 30.JUL.2024 17:35:47

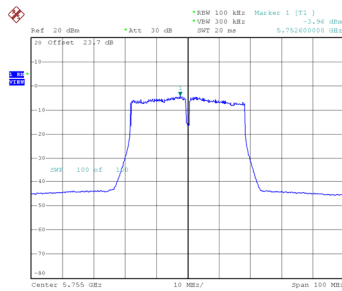


Date: 30.JUL.2024 17:36:19

Test Mode	UNII-3_TX AC(VHT40) Mode_Ant. 1
-----------	---------------------------------

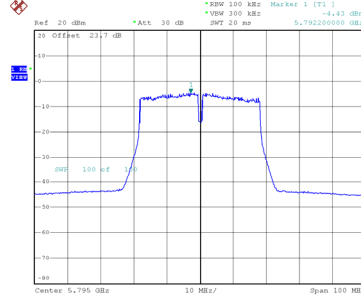
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-3.96	0.16	-3.80	30.00	Complies
159	5795	-4.43	0.16	-4.27	30.00	Complies

CH151



Date: 30.JUL.2024 17:41:45

CH159

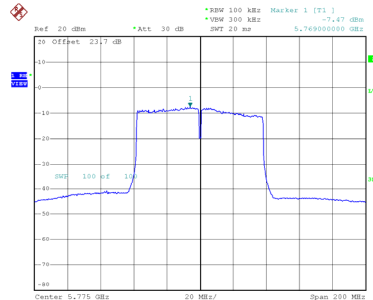


Date: 30.JUL.2024 17:42:19

Test Mode	UNII-3_TX AC(VHT80) Mode_Ant. 1
-----------	---------------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
155	5775	-7.47	0.32	-7.15	30.00	Complies

CH155



Date: 30.JUL.2024 17:46:44

APPENDIX H - FREQUENCY STABILITY

Test Mode	UNII-1
-----------	--------

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5180.0000
13.8	5180.0200
12.0	5180.0350
10.2	5180.0199
Maximum Deviation (MHz)	0.0350
Maximum Deviation (ppm)	6.7592

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5180.0000
-25	5180.0200
-15	5180.0200
-5	5180.0350
5	5180.0302
15	5180.0350
25	5180.0200
35	5180.0200
45	5180.0199
55	5180.0199
65	5180.0400
75	5180.0350
Maximum Deviation (MHz)	0.0400
Maximum Deviation (ppm)	7.7196

Test Mode	UNII-2A
-----------	---------

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5260.0000
13.8	5260.0199
12.0	5259.9999
10.2	5260.0350
Maximum Deviation (MHz)	0.0350
Maximum Deviation (ppm)	6.6564

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5260.0000
-25	5260.0150
-15	5260.0350
-5	5260.0350
5	5260.0150
15	5259.9999
25	5259.9999
35	5260.0150
45	5260.0350
55	5260.0200
65	5259.9999
75	5260.0350
Maximum Deviation (MHz)	0.0350
Maximum Deviation (ppm)	6.6564

Test Mode	UNII-2C
-----------	---------

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5500.0000
13.8	5500.0400
12.0	5500.0199
10.2	5500.0150
Maximum Deviation (MHz)	0.0400
Maximum Deviation (ppm)	7.2705

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5500.0000
-25	5500.0000
-15	5500.0200
-5	5500.0351
5	5500.0150
15	5500.0400
25	5500.0302
35	5500.0200
45	5500.0000
55	5500.0150
65	5500.0150
75	5500.0200
Maximum Deviation (MHz)	0.0400
Maximum Deviation (ppm)	7.2705

Test Mode	UNII-3
-----------	--------

Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5745.0000
13.8	5745.0350
12.0	5744.9999
10.2	5745.0200
Maximum Deviation (MHz)	0.0350
Maximum Deviation (ppm)	6.0944

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5745.0000
-25	5745.0200
-15	5745.0000
-5	5745.0199
5	5745.0200
15	5745.0199
25	5744.9999
35	5745.0350
45	5745.0000
55	5745.0200
65	5745.0151
75	5745.0200
Maximum Deviation (MHz)	0.0350
Maximum Deviation (ppm)	6.0944

End of Test Report