



FCC Radio Test Report

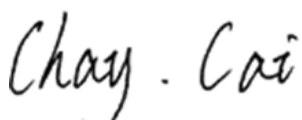
FCC ID: 2BFMH-KN-1012

This report concerns: Original Grant

Project No. : 2406E004
Equipment : Keenetic Hero
Brand Name : KEENETIC
Test Model : KN-1012
Series Model : N/A
Applicant : Keenetic Limited.
Address : Office 2307A,27/F., 148 Electric Road, North Point, Hong Kong
Manufacturer : Keenetic Limited.
Address : Office 2307A,27/F., 148 Electric Road, North Point, Hong Kong
Date of Receipt : Jun. 25, 2024
Date of Test : Jun. 26, 2024 ~ Sep. 18, 2024
Issued Date : Nov. 18, 2024
Report Version : R01
Test Sample : Engineering Sample No.: DG2024070820 for Radiated Emissions- 1GHz to 18GHz, DG2024062544 for others.
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.

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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**.

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

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

Limitation

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

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

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2406E004	R00	Original Report.	Nov. 11, 2024	Invalid
BTL-FCCP-2-2406E004	R01	Updated the applicant and manufacturer information.	Nov. 18, 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

KDB 662911 D01 Multiple Transmitter Output 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

For Radiated Emissions- 1GHz to 18GHz:

Room 102 & Room 702, Building 3, No.9, Jinshagang 1st Road, Dalang Town, Dongguan City, Guangdong People's Republic of China.

For others:

1-2/F, 4/F, Building A, 1-2/F, Building B, 3/F, Building C, No.3, Jinshagang 1st Road, Dalang Town, 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 95.45% 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-CB18 (3m)	CISPR	1GHz ~ 6GHz	4.48
		6GHz ~ 18GHz	3.88

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	20°C	42%	AC 120V/60Hz	Hayden Chen	Jul. 04, 2024
Radiated Emissions-9kHz to 30 MHz	23°C	46%	AC 120V/60Hz	Hayden Chen	Aug. 09, 2024
Radiated Emissions-30MHz to 1000MHz	24°C	55%	AC 120V/60Hz	Chen Mo	Aug. 08, 2024
Radiated Emissions-Above 1000 MHz	23°C	53%	AC 120V/60Hz	Allen Tong	Jul. 23, 2024-Jul. 25, 2024
	24°C	55%	AC 120V/60Hz	Chen Mo	Aug. 08, 2024
Bandwidth	23-24°C	48-58%	AC 120V/60Hz	Parker Yang	Jul. 22, 2024-Sep. 11, 2024
Maximum Output Power	22°C	48%	AC 120V/60Hz	Steve Zhou	Jul. 19, 2024-Sep. 02, 2024
Power Spectral Density	23-24°C	48-58%	AC 120V/60Hz	Parker Yang	Jul. 22, 2024-Sep. 11, 2024
Frequency Stability	Normal & Extreme	48-58%	Normal & Extreme	Parker Yang	Jul. 22, 2024-Sep. 11, 2024

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Keenetic Hero
Brand Name	KEENETIC
Test Model	KN-1012
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC Voltage supplied from AC adapter. Model: DSA-30PFL-12 FCA 120250
Power Rating	I/P: 100-240V~ 50/60Hz 0.8A O/P: +12.0V  2.5A
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 IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ac: up to 1733.4 Mbps IEEE 802.11ax: up to 2402 Mbps
Maximum Output Power_UNII-1	IEEE 802.11ax(HE40): 28.11 dBm (0.6471 W)
Maximum Output Power_UNII-2A	IEEE 802.11ax(HE40): 22.23 dBm (0.1671 W)
Maximum Output Power_UNII-2C	IEEE 802.11ax(HE40): 22.26 dBm (0.1683 W)
Maximum Output Power_UNII-3	IEEE 802.11ax(HE40): 28.20 dBm (0.6607 W)

Note:

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

2. Channel List:

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

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80)	
UNII-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				

IEEE 802.11ac(VHT160) IEEE 802.11ax(HE160)	
Channel	Frequency (MHz)
50	5250
114	5570

3. Antenna Specification:

Antenna Information										
Antenna-1			Antenna-2			Antenna-3			Beamforming Gain	
Antenna Type	Frequency (MHz)	Total Gain (dBi)	Antenna Type	Frequency (MHz)	Total Gain (dBi)	Antenna Type	Frequency (MHz)	Total Gain (dBi)	Frequency (MHz)	Peak Gain (dBi)
External PCB Antenna	5150~5250	2.23	External PCB Antenna	5150~5250	3.21	External PCB Antenna	5150~5250	1.96	5150~5250	1.46
	5250~5350	2.23		5250~5350	3.21		5250~5350	1.96	5250~5350	1.46
	5470~5725	3.36		5470~5725	2.79		5470~5725	2.06	5470~5725	1.51
	5725~5850	3.37		5725~5850	2.24		5725~5850	2.19	5725~5850	1.44

Note:

- The EUT supports CDD. Physically, and all antenna gains are not equal, so Directional gain= $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/N]$ dBi, that is Directional gain= $10\log[(10^{3.37/20} + 10^{3.21/20} + 10^{2.19/20})^2/3]$ dBi = 7.71 dBi. So, the UNII-1, UNII-3 output power limit is 30-(7.71-6)=28.29, the UNII-2A, UNII-2C output power limit is 24-(7.71-6)=22.29. The UNII-1 power spectral density limit is 17-(7.71-6)=15.29, the UNII-2A, UNII-2C power spectral density limit is 11-(7.71-6)=9.29, the UNII-3 power spectral density limit is 30-(7.71-6)=28.29.
- The EUT is 3T3R 2SS, the bit rate should be calculated according to 2x2 products.

4. The worst case for 3TX as follow:

For Non Beamforming:

Operating Mode	TX Mode	3TX
IEEE 802.11a		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11n(HT20)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11n(HT40)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT20)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT40)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT80)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT160)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE20)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE40)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE80)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE160)		V (Ant. 1+Ant. 2+Ant. 3)

For Beamforming:

Operating Mode	TX Mode	3TX
IEEE 802.11n(HT20)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11n(HT40)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT20)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT40)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT80)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ac(VHT160)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE20)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE40)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE80)		V (Ant. 1+Ant. 2+Ant. 3)
IEEE 802.11ax(HE160)		V (Ant. 1+Ant. 2+Ant. 3)

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 AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 5	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 6	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 7	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 8	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 9	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 10	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 11	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 12	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 13	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 14	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 15	TX A Mode Channel 149/157/165 (UNII-3)
Mode 16	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 17	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 18	TX AX(HE80) Mode Channel 155 (UNII-3)
Mode 19	TX AX(HE40) Mode Channel 151 (UNII-3)

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 19	TX AX(HE40) Mode Channel 151 (UNII-3)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 19	TX AX(HE40) Mode Channel 151 (UNII-3)

Radiated Emissions Test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 5	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 6	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 7	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 8	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 9	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 10	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 11	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 12	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 13	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 14	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 15	TX A Mode Channel 149/157/165 (UNII-3)
Mode 16	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 17	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 18	TX AX(HE80) 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 AX(HE20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AX(HE40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AX(HE80) Mode Channel 42 (UNII-1)
Mode 5	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 6	TX AX(HE20) Mode Channel 52/60/64 (UNII-2A)
Mode 7	TX AX(HE40) Mode Channel 54/62 (UNII-2A)
Mode 8	TX AX(HE80) Mode Channel 58 (UNII-2A)
Mode 9	TX AX(HE160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 10	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 11	TX AX(HE20) Mode Channel 100/116/140 (UNII-2C)
Mode 12	TX AX(HE40) Mode Channel 102/110/134 (UNII-2C)
Mode 13	TX AX(HE80) Mode Channel 106/122 (UNII-2C)
Mode 14	TX AX(HE160) Mode Channel 114 (UNII-2C)
Mode 15	TX A Mode Channel 149/157/165 (UNII-3)
Mode 16	TX AX(HE20) Mode Channel 149/157/165 (UNII-3)
Mode 17	TX AX(HE40) Mode Channel 151/159 (UNII-3)
Mode 18	TX AX(HE80) Mode Channel 155 (UNII-3)

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX AX(HE40) Mode Channel 151 (UNII-3) 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) For radiated emission above 1GHz test, both Vertical and Horizontal are evaluated, only the worst case is recorded.
- (6) When testing AX mode, RU Configuration is full RU, so only the full RU is evaluated and measured inside report.
- (7) For power limitation beamforming operation, the software automatically backs power down based on CDD power. Therefore, only the CDD mode was evaluated in this report.
- (8) HE20/HE40/HE80/HE160 covers HT20/HT40 and VHT20/VHT40/VHT80/VHT160, due to same modulation. The power setting for 802.11n HT20/HT40 and 802.11ac VHT20/VHT40/VHT80/VHT160 are the same 802.11ax HE20/HE40/HE80/HE160.

3.3 PARAMETERS OF TEST SOFTWARE

UNII-1			
Test Software Version	QATool_UiV2.78_DLLv6.83		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	20	20	19.5
IEEE 802.11ax(HE20)	20	20	20
Frequency (MHz)	5190	5230	
IEEE 802.11ax(HE40)	20	22	
Frequency (MHz)	5210		
IEEE 802.11ax(HE80)	15.5		

UNII-2A			
Test Software Version	QATool_UiV2.78_DLLv6.83		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	14	14.5	14
IEEE 802.11ax(HE20)	14	14.5	14.5
Frequency (MHz)	5270	5310	
IEEE 802.11ax(HE40)	16.5	17	
Frequency (MHz)	5290		
IEEE 802.11ax(HE80)	16		

UNII-1+UNII-2A	
Test Software Version	QATool_UIv2.78_DLLv6.83
Frequency (MHz)	5250
IEEE 802.11ax(HE160)	17

UNII-2C			
Test Software Version	QATool_UIv2.78_DLLv6.83		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	14	14	14.5
IEEE 802.11ax(HE20)	14	14	14.5
Frequency (MHz)	5510	5550	5670
IEEE 802.11ax(HE40)	16.5	16	17
Frequency (MHz)	5530	5610	
IEEE 802.11ax(HE80)	16.5	16	
Frequency (MHz)	5570		
IEEE 802.11ax(HE160)	15.5		

UNII-3			
Test Software Version	QATool_UIv2.78_DLLv6.83		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	23	22.5	22.5
IEEE 802.11ax(HE20)	22	22	23
Frequency (MHz)	5755	5795	
IEEE 802.11ax(HE40)	23	23	
Frequency (MHz)	5775		
IEEE 802.11ax(HE80)	22		

3.4 DUTY CYCLE

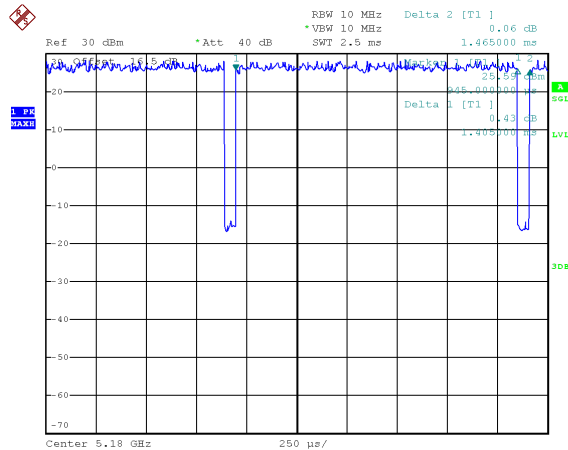
If duty cycle is $\geq 98\%$, duty factor is not required.

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

The output power = measured power + duty factor.

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

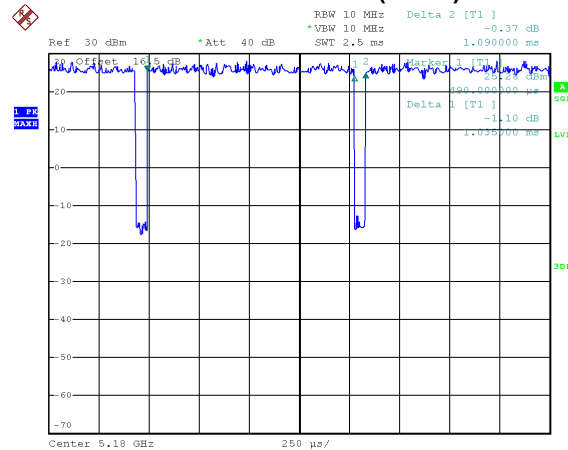
IEEE 802.11a



Date: 22.JUL.2024 17:00:58

Duty cycle = $1.405 \text{ ms} / 1.465 \text{ ms} = 95.90\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.18$

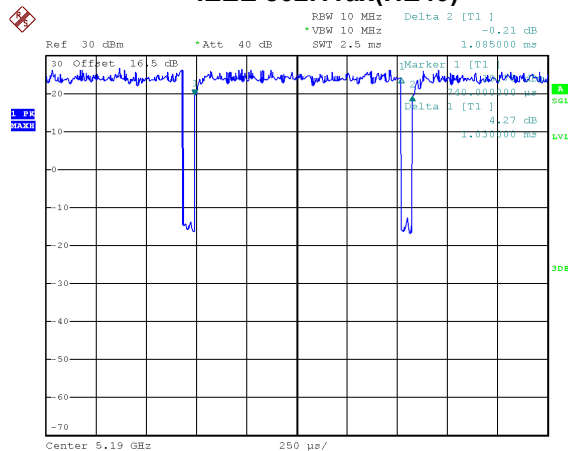
IEEE 802.11ax(HE20)



Date: 22.JUL.2024 17:11:56

Duty cycle = $1.035 \text{ ms} / 1.090 \text{ ms} = 94.95\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.22$

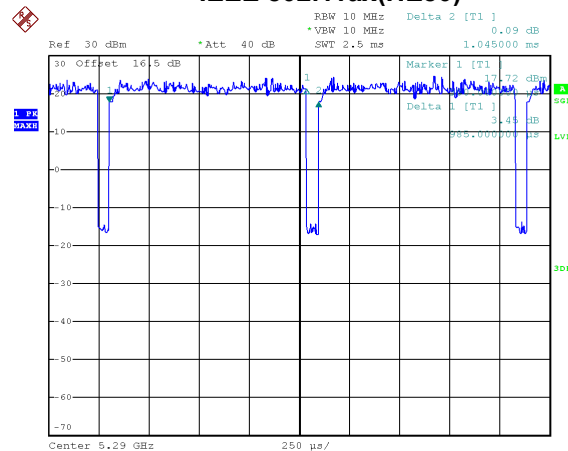
IEEE 802.11ax(HE40)



Date: 22.JUL.2024 17:12:50

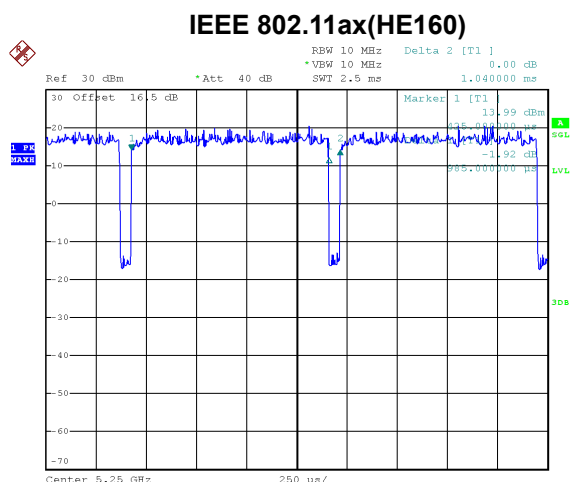
Duty cycle = $1.030 \text{ ms} / 1.085 \text{ ms} = 94.93\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.23$

IEEE 802.11ax(HE80)



Date: 22.JUL.2024 17:14:19

Duty cycle = $0.985 \text{ ms} / 1.045 \text{ ms} = 94.26\%$
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.26$



Date: 22.JUL.2024 17:17:32

Duty cycle = 0.985 ms / 1.040 ms = 94.71%
 Duty Factor = 10 log(1 / Duty cycle) = 0.24

NOTE:

For IEEE 802.11a:

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

For IEEE 802.11ax(HE20):

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

For IEEE 802.11ax(HE40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).

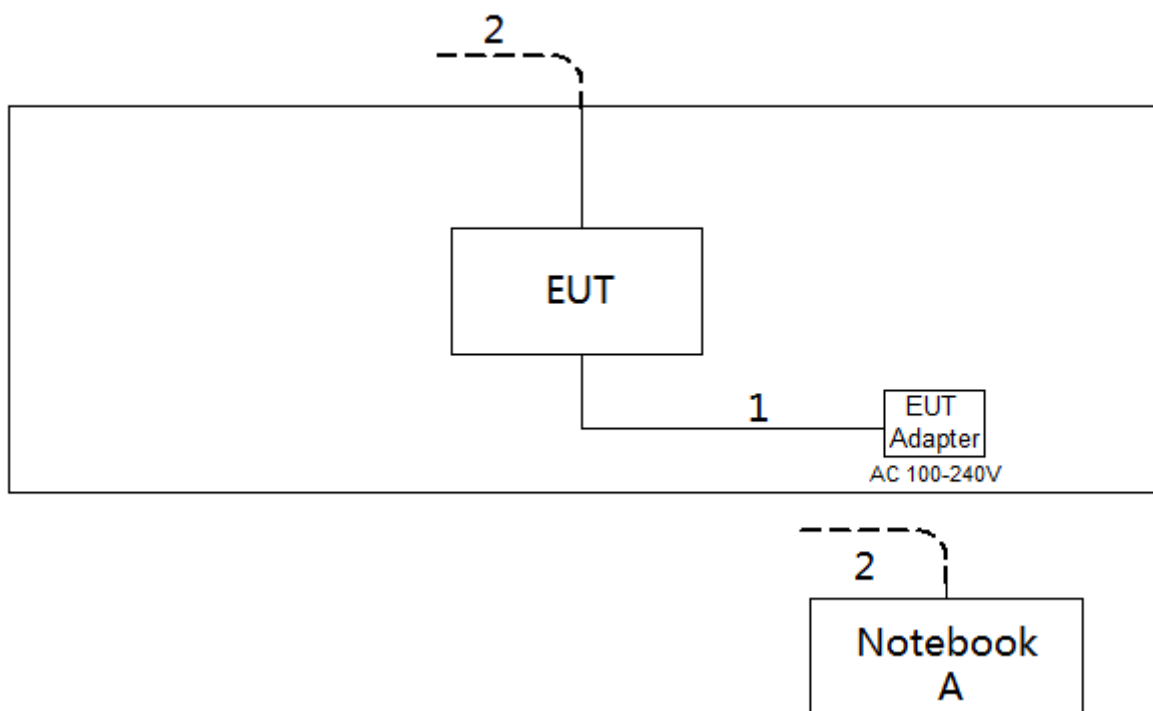
For IEEE 802.11ax(HE80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

For IEEE 802.11ax(HE160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Honor	Nbl-WAQ9HNRP	N/A

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

3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain and beamforming gain are provided by the manufacturer.
- 2) Except for AC power line conducted emissions test and Radiated spurious emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	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.

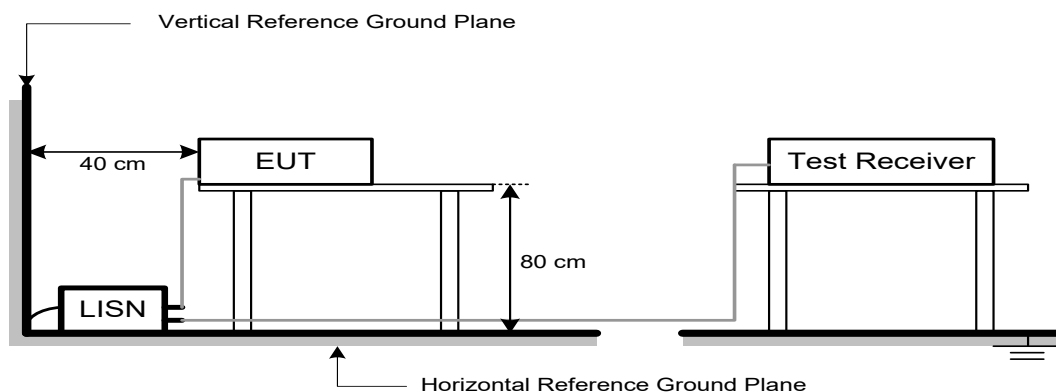
The following table is the setting of the receiver:

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)	Band edge at 3m (dBμV/m)	Harmonic at 1m (dBμV/m)
5150-5250	-27	68.2	77.7 (Note 3)
5250-5350	-27	68.2	77.7 (Note 3)
5470-5725	-27	68.2	77.7 (Note 3)
5725-5850 NOTE (2)	-27	68.2	77.7 (Note 3)
	10	105.2	114.7 (Note 3)
	15.6	110.8	120.3 (Note 3)
	27	122.2	131.7 (Note 3)

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 or 1m 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

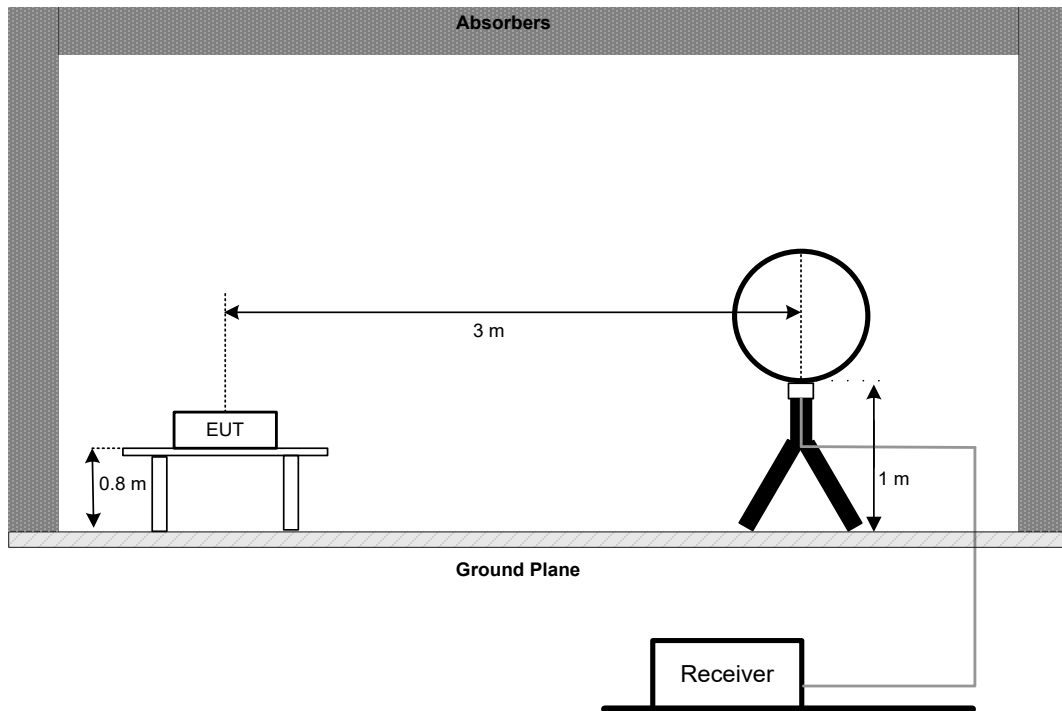
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

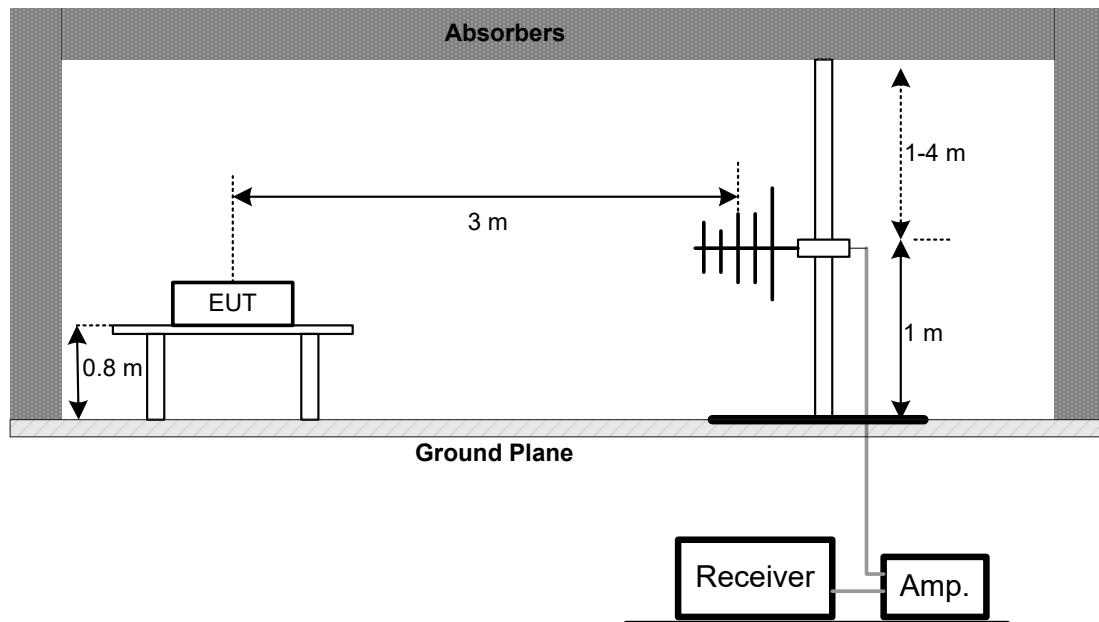
No deviation.

5.4 TEST SETUP

9 kHz to 30 MHz

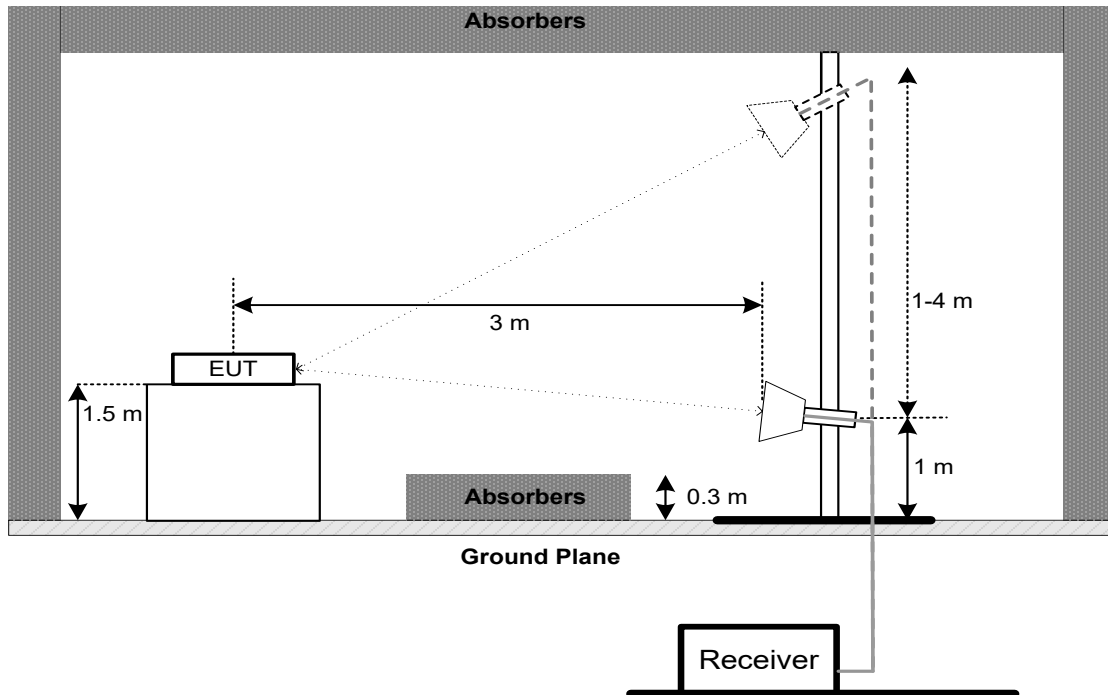


30 MHz to 1 GHz

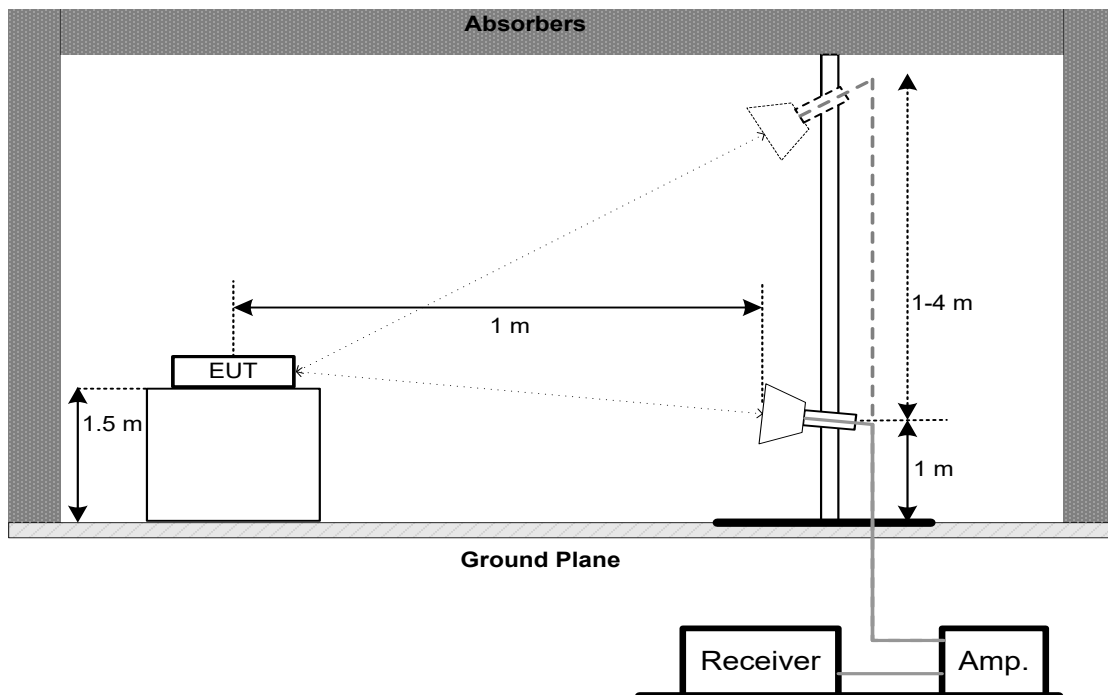


Above 1 GHz

Band edge & Harmonic (1 GHz to 18 GHz)



Harmonic (18 GHz to 40 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 an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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 $11 \text{ dBm} + 10 \log B$, where B is the 26dB Bandwidth in megahertz.

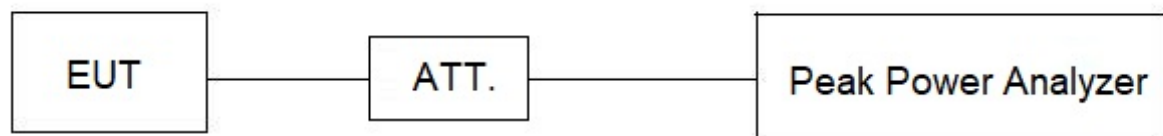
7.2 TEST PROCEDURE

- 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 16.5 dB, and the final offset is $16.5 + 7 = 23.5$ 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:

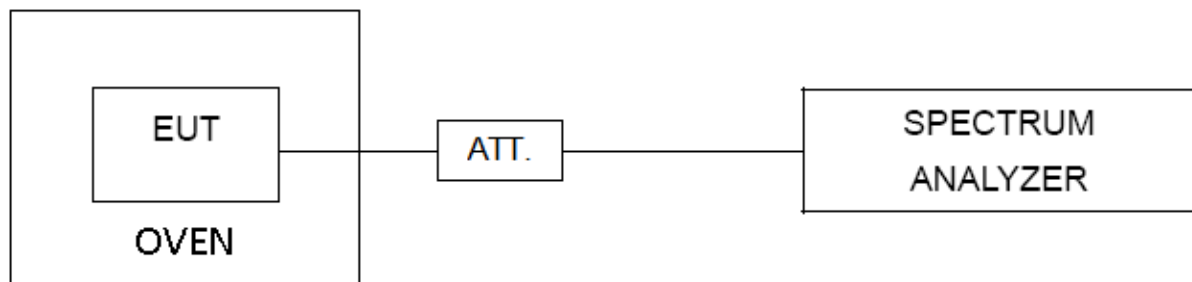
Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- User manual temperature is 0°C~40°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
6	966 Chamber room	ETS	9*6*6	N/A	May 16, 2025

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 - 1 GHz to 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
2	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
3	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	Nov. 17, 2024
4	Cable	RegalWay	RWLP50-4.0A-SMS M-1.3M	N/A	Jan. 09, 2025
5	Cable	RegalWay	RWLP50-2.6A-3.5 M2.92MRA-3M	N/A	Jan. 09, 2025
6	Cable	RegalWay	RWLP50-4.0A-SMS M-9M	N/A	Jan. 09, 2025
7	966 Chamber room	ETS	RFD-100 (SVSWR)	Q2179	Jan. 09, 2025
8	Double Ridged Horn Antenna	EMC INSTRUMENT	DRH18-E	210509A18ES	Aug. 08, 2024
9	Preamplifier	EMC INSTRUMENT	EMC118A45SE	981001	May 31, 2025
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	STI	STI15-9969	N/A	Nov. 17, 2024

Radiated Emissions - Above 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Signal Analyzer	Keysight	N9010A	MY56480488	Dec. 22, 2024
2	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330-K	619413	Jul. 17, 2025
3	Cable	RegalWay	RWLP50-2.6A-2.92M 2.92M-1.1M	N/A	Jul. 25, 2025
4	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 25, 2025
5	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 16, 2025
6	Positioning Controller	MF	MF-7802	N/A	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	966 Chamber room	CM	9*6*6	N/A	May 16, 2025

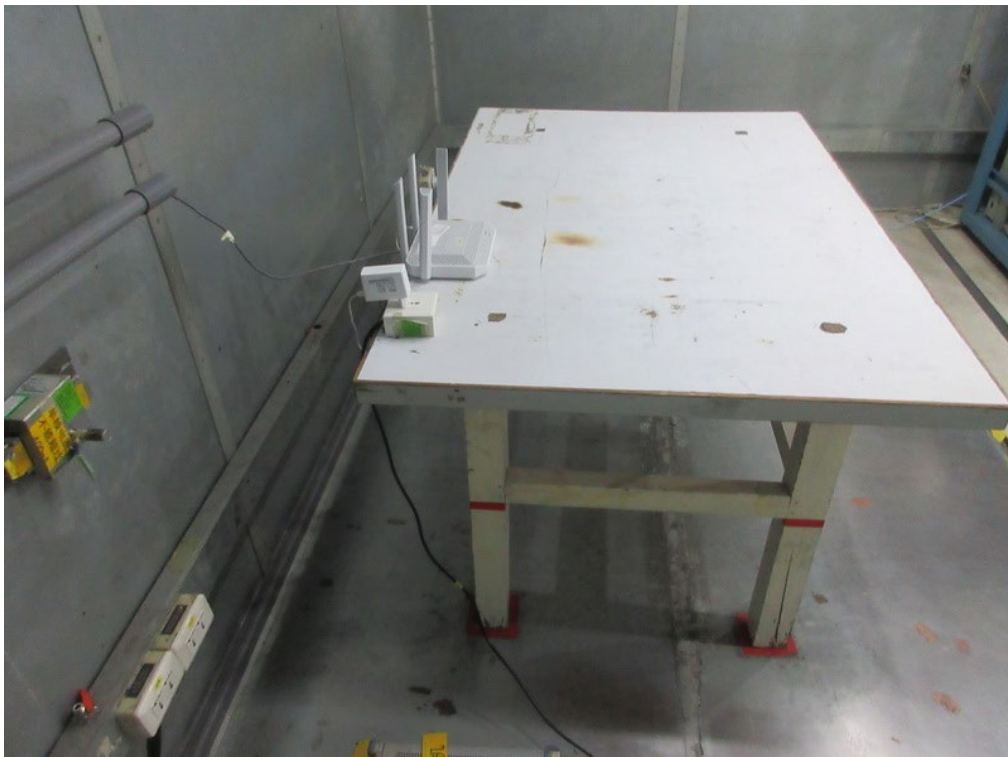
Bandwidth & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A

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	FSP38	100852	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
4	Multimeter	FLUKE	15B+(TR13)	45123773WS	May 31, 2025
5	Desktop Constant Temperature Chamber	BELL	BTH-50C	20170306001	Jan. 19, 2025
6	DC power supply	UNI-T	UDP6721	AWP7224050031	Mar. 20, 2025
7	Cable	Woke	S02-190515-03	N/A	N/A

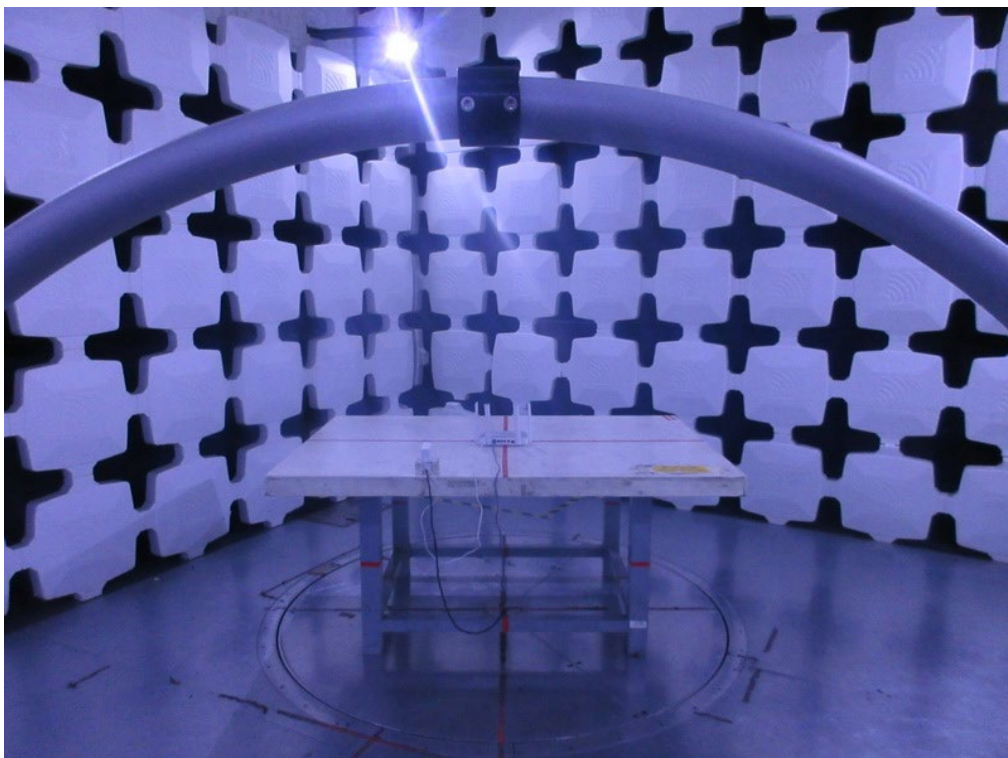
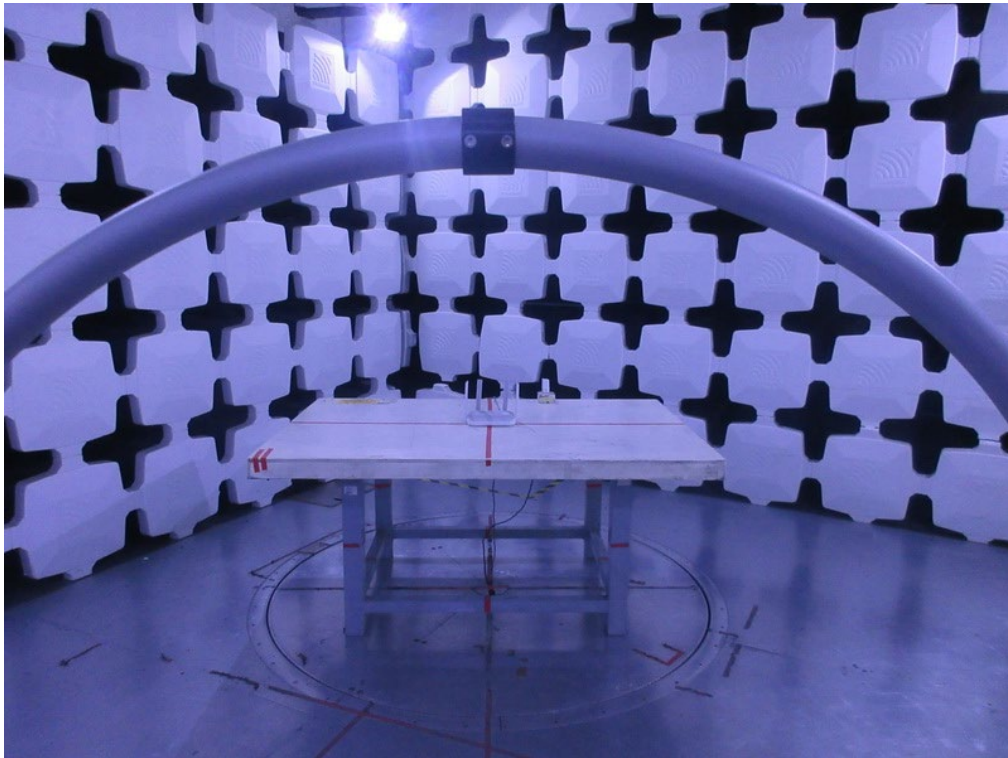
Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

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

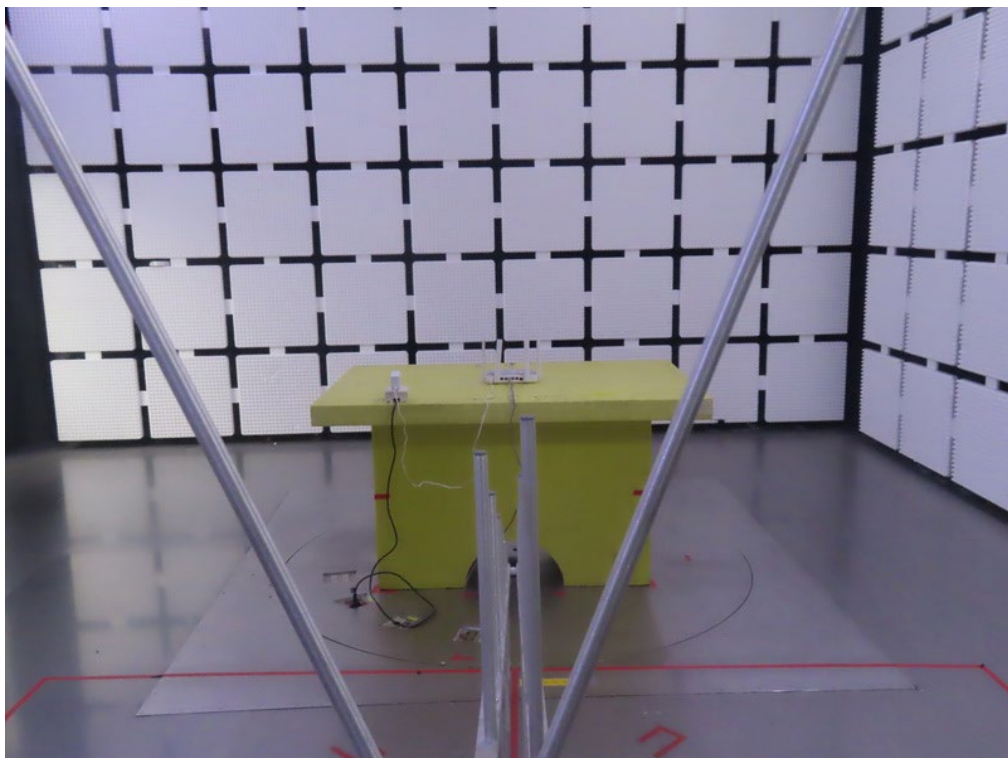
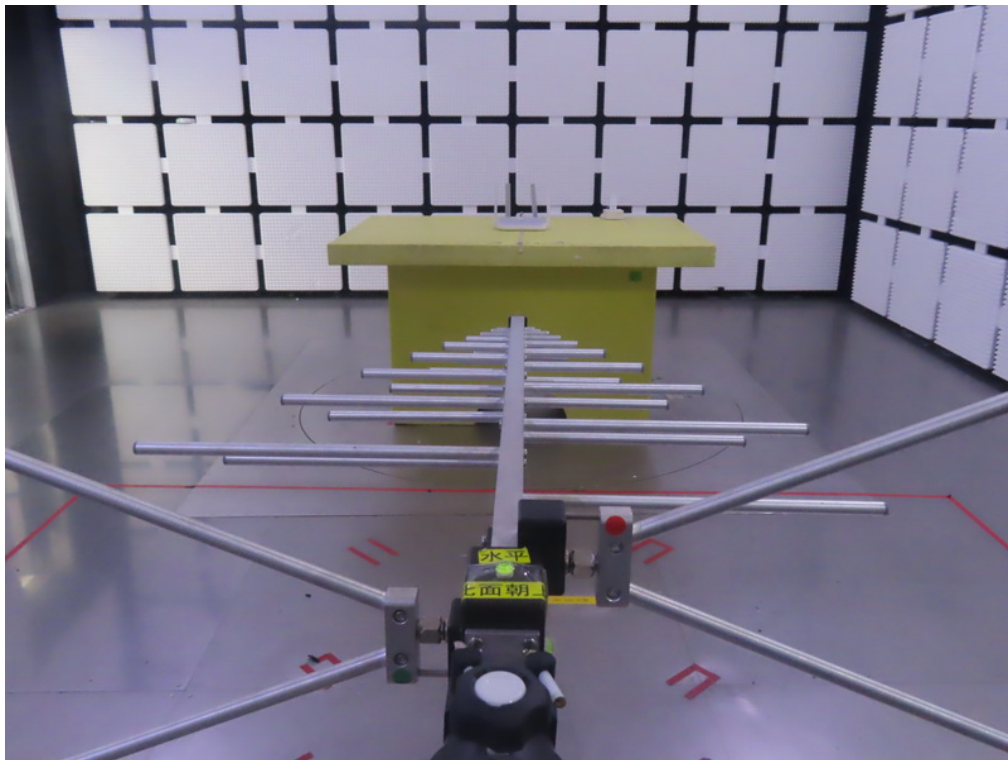
Radiated Emissions Test Photos

9 kHz to 30 MHz

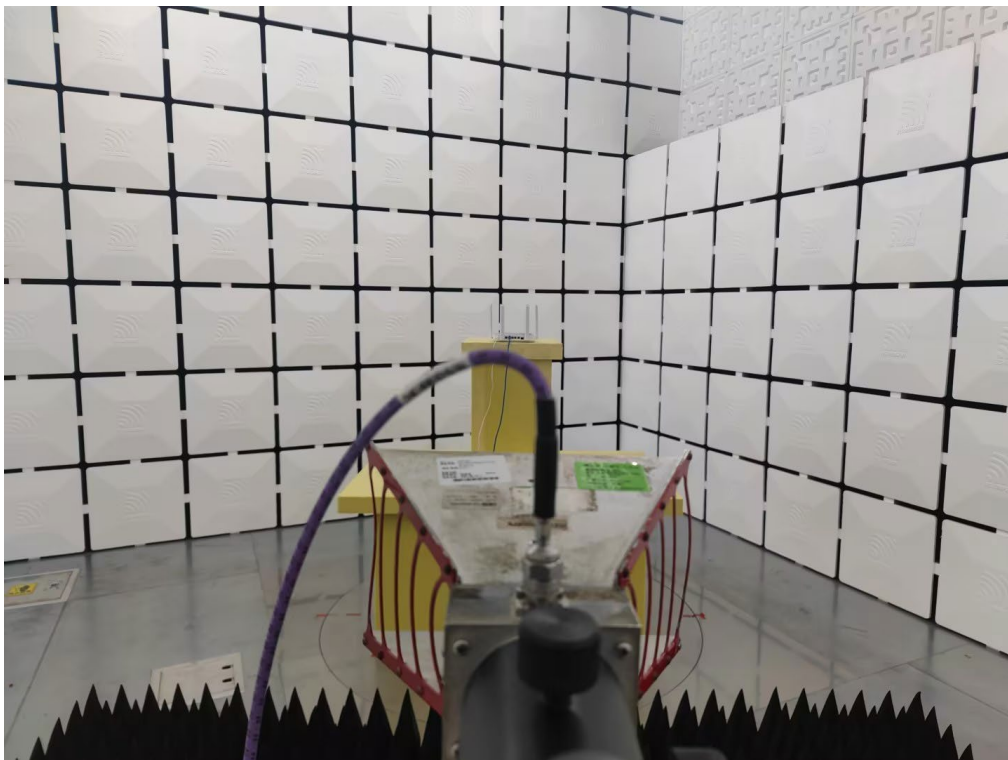
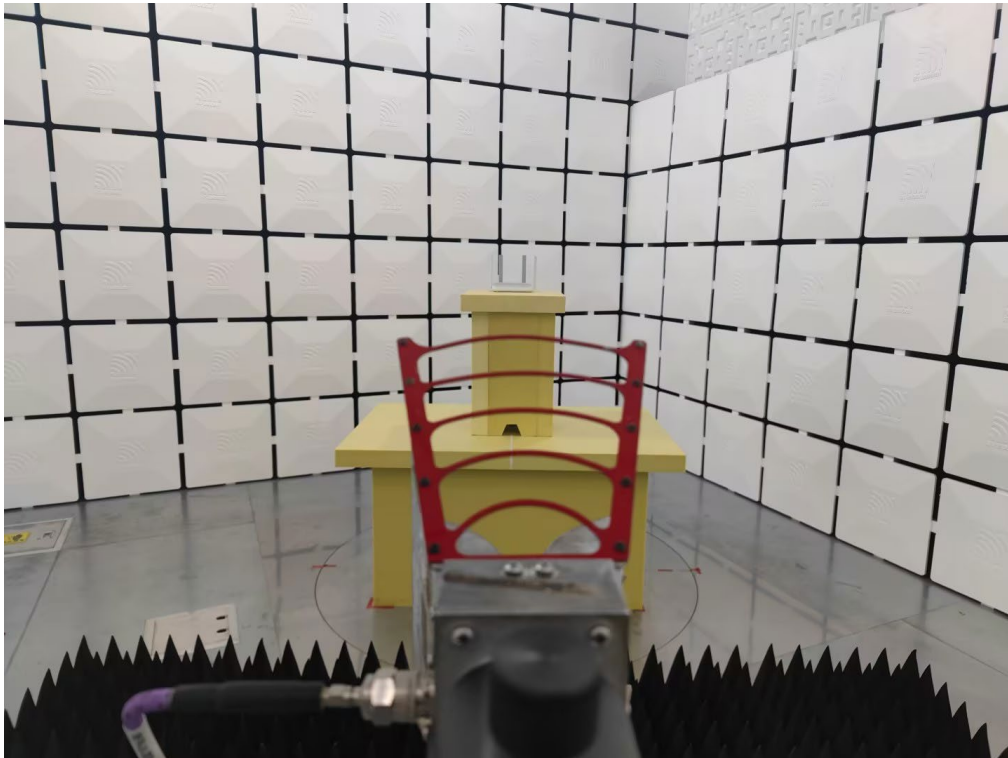


Radiated Emissions Test Photos

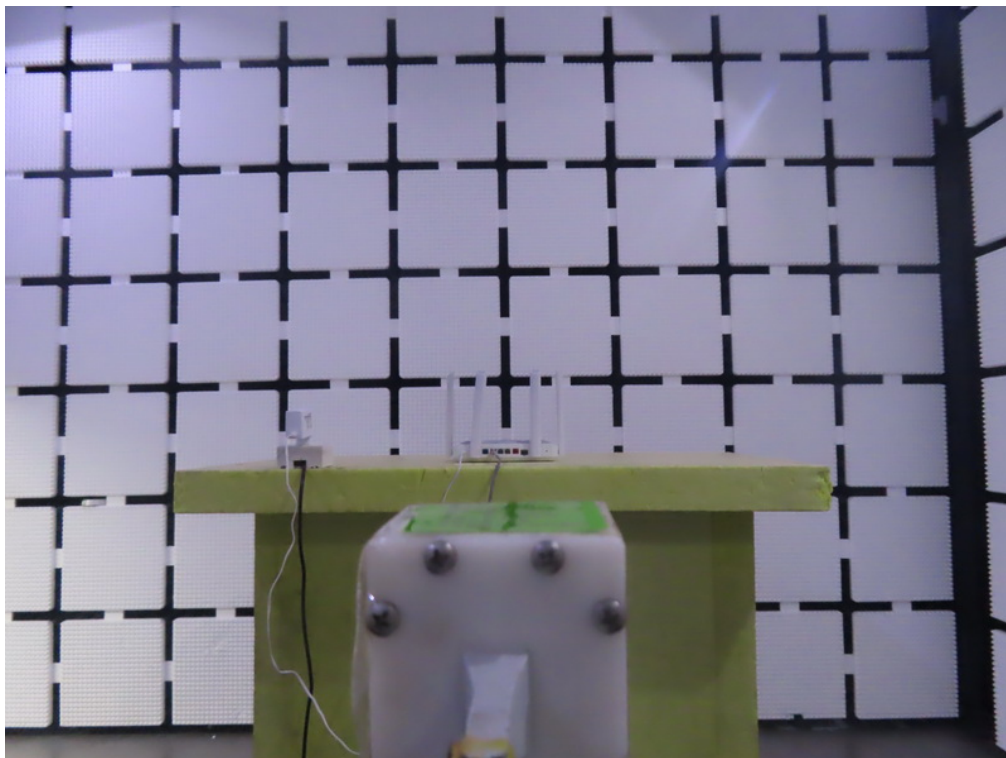
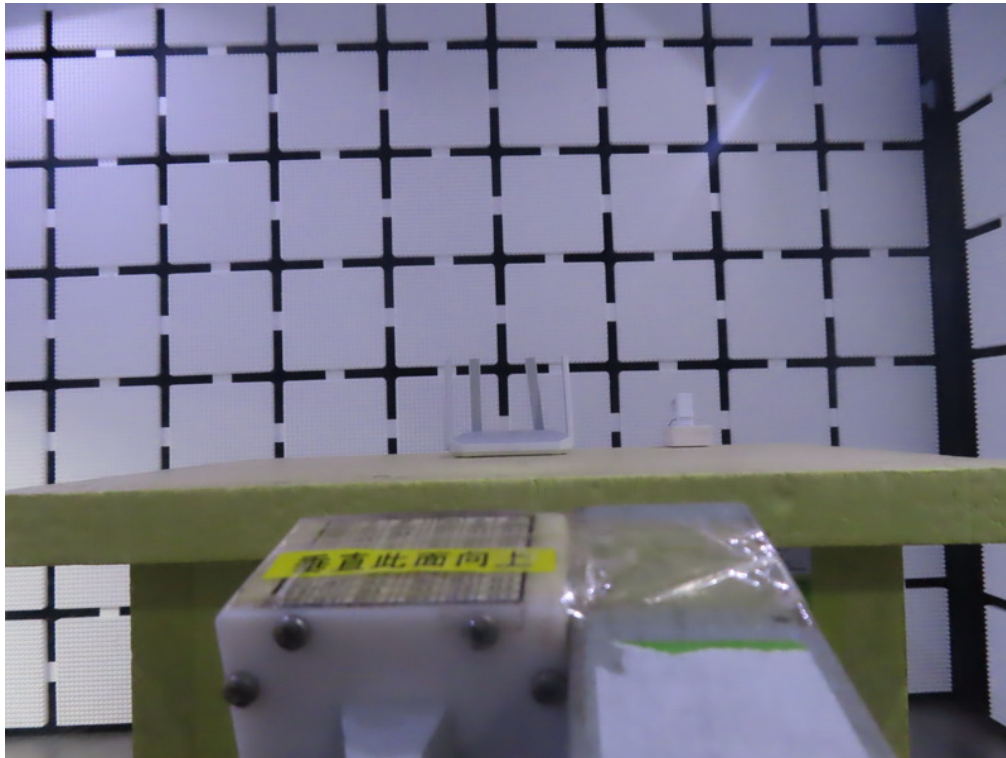
30 MHz to 1 GHz



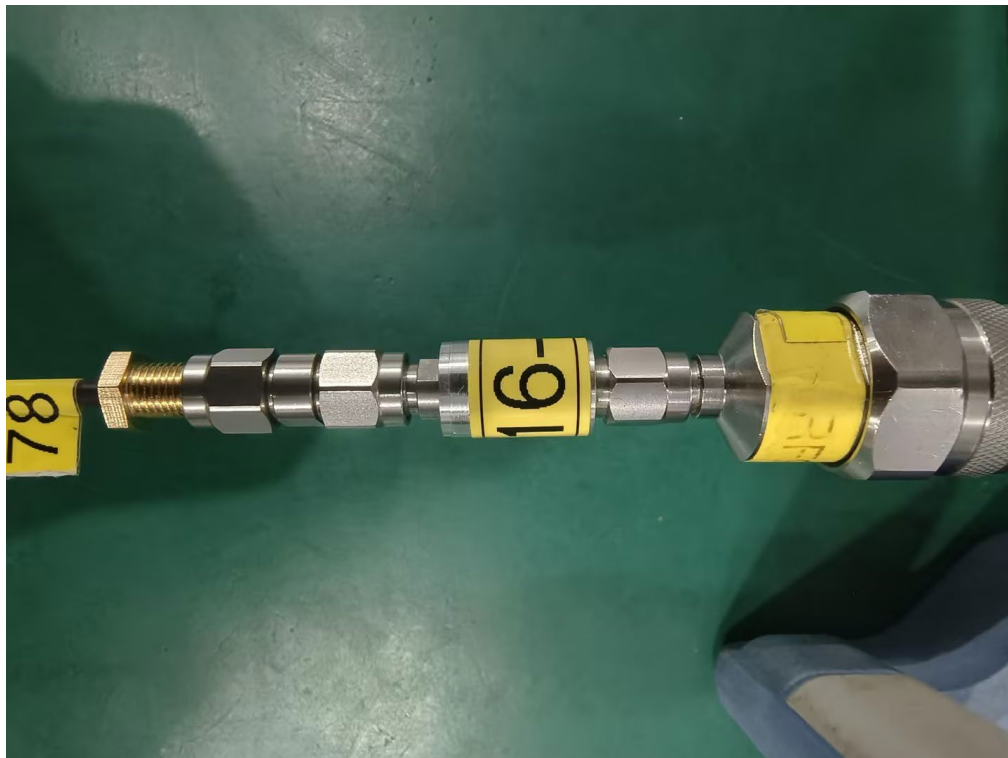
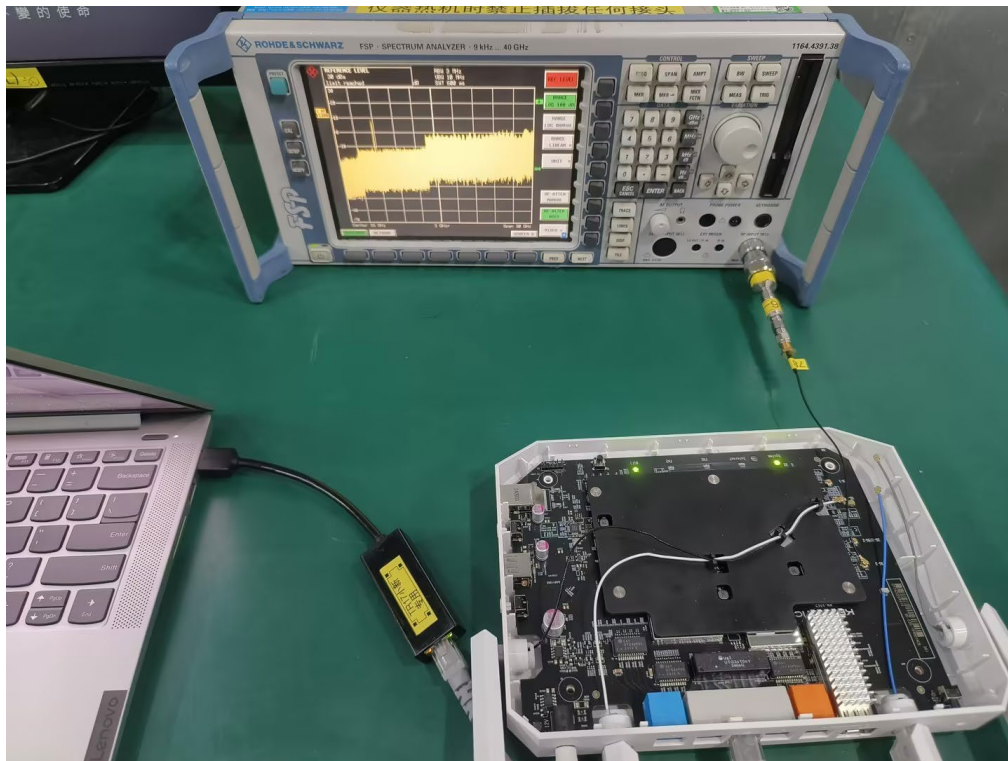
Radiated Emissions Test Photos
Above 1 GHz
Band edge & Harmonic(1 GHz to 18 GHz)



Radiated Emissions Test Photos
Above 1 GHz
Band edge & Harmonic(18 GHz to 26.5 GHz)

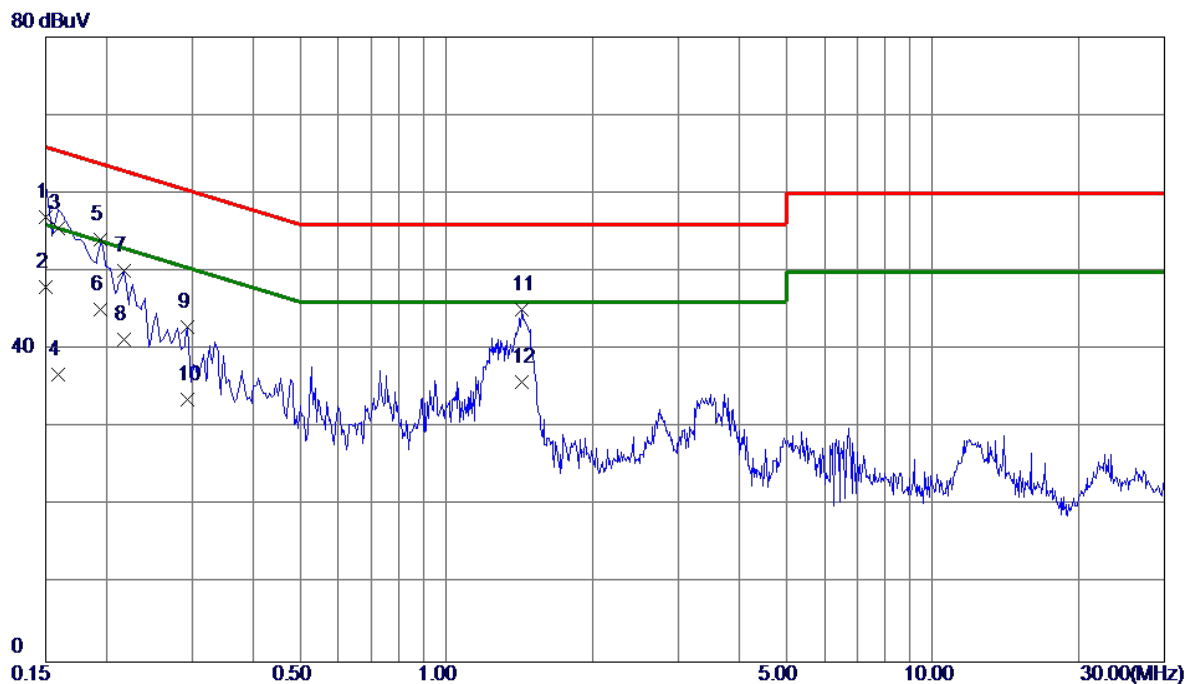


Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX AX(HE40) Mode Channel 151 (UNII-3)	Phase	Line
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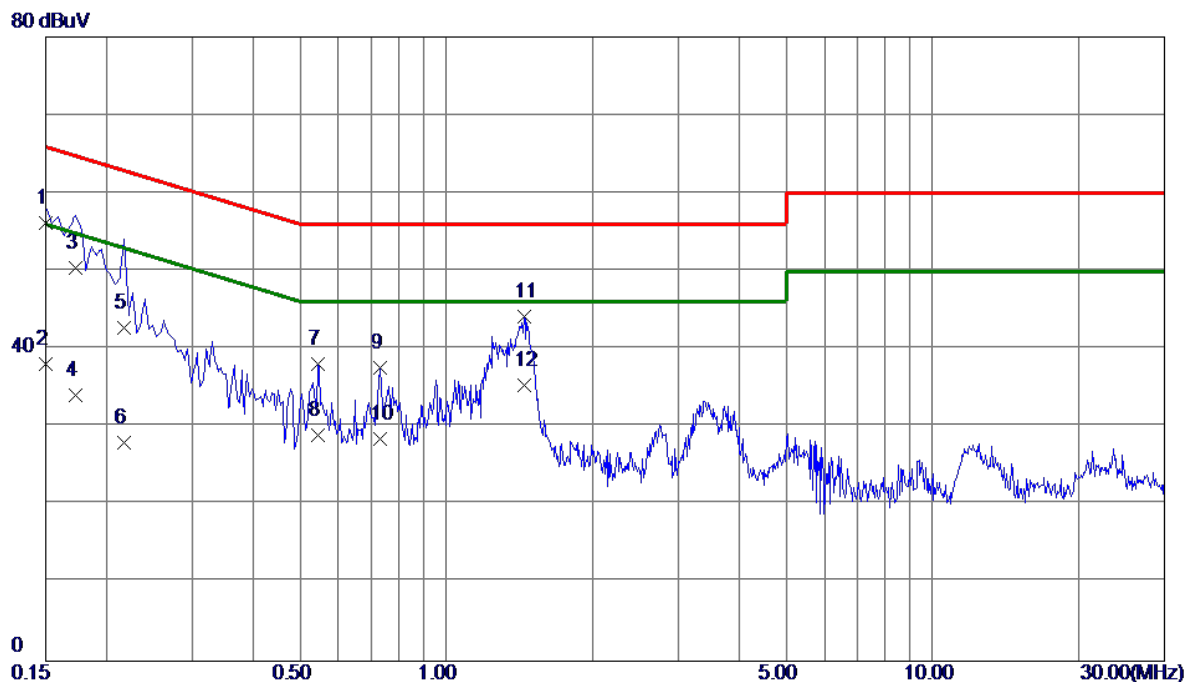


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1500	47.00	9.96	56.96	66.00	-9.04	QP	
2 *	0.1500	38.10	9.96	48.06	56.00	-7.94	AVG	
3	0.1590	45.60	9.97	55.57	65.52	-9.95	QP	
4	0.1590	26.80	9.97	36.77	55.52	-18.75	AVG	
5	0.1949	44.10	9.98	54.08	63.83	-9.75	QP	
6	0.1949	35.20	9.98	45.18	53.83	-8.65	AVG	
7	0.2175	40.03	10.01	50.04	62.91	-12.87	QP	
8	0.2175	31.30	10.01	41.31	52.91	-11.60	AVG	
9	0.2940	32.78	10.16	42.94	60.41	-17.47	QP	
10	0.2940	23.50	10.16	33.66	50.41	-16.75	AVG	
11	1.4325	33.80	11.28	45.08	56.00	-10.92	QP	
12	1.4325	24.59	11.28	35.87	46.00	-10.13	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode Channel 151 (UNII-3)	Phase	Neutral
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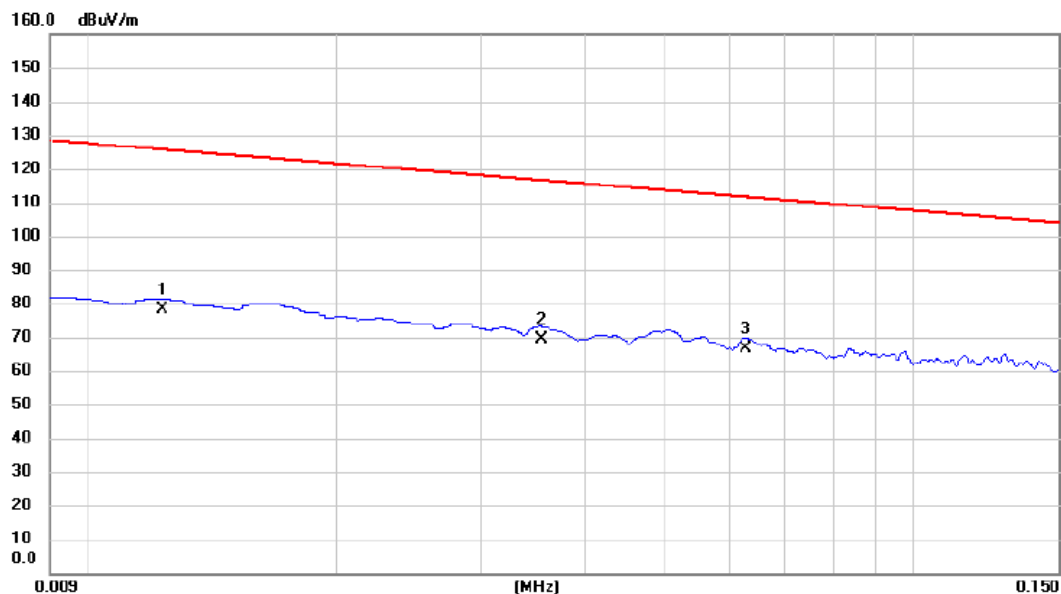
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1500	46.30	9.93	56.23	66.00	-9.77	QP	
2	0.1500	28.10	9.93	38.03	56.00	-17.97	AVG	
3	0.1725	40.50	9.93	50.43	64.84	-14.41	QP	
4	0.1725	24.20	9.93	34.13	54.84	-20.71	AVG	
5	0.2175	32.70	9.97	42.67	62.91	-20.24	QP	
6	0.2175	18.10	9.97	28.07	52.91	-24.84	AVG	
7	0.5460	27.45	10.68	38.13	56.00	-17.87	QP	
8	0.5460	18.30	10.68	28.98	46.00	-17.02	AVG	
9	0.7304	26.58	10.98	37.56	56.00	-18.44	QP	
10	0.7304	17.50	10.98	28.48	46.00	-17.52	AVG	
11	1.4460	32.99	11.23	44.22	56.00	-11.78	QP	
12	1.4460	24.19	11.23	35.42	46.00	-10.58	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 AX(HE40) Mode Channel 151 (UNII-3)	Polarization	Ant 0°
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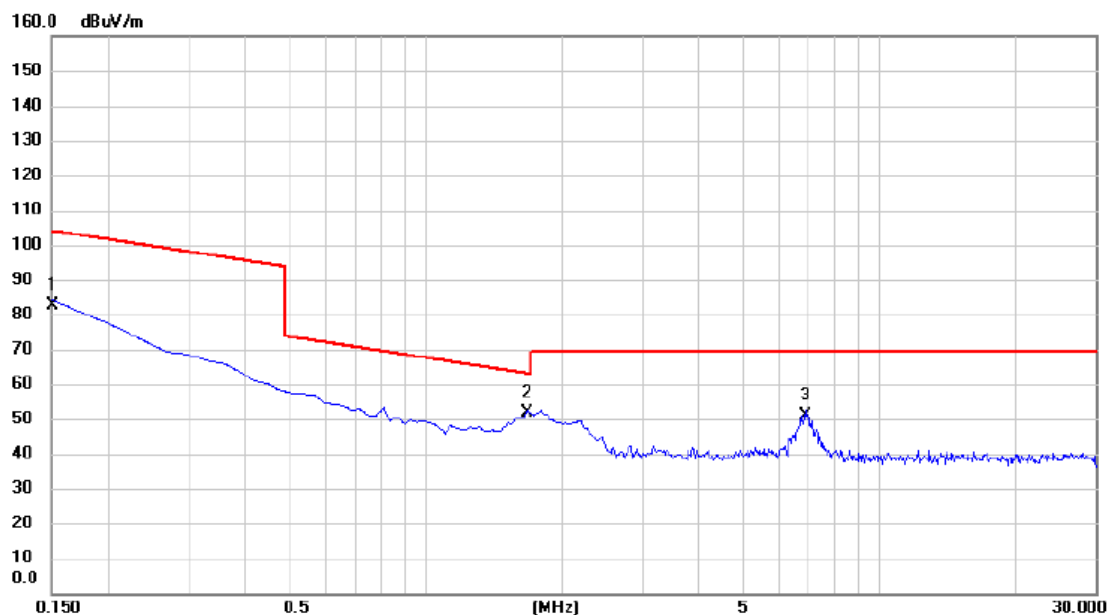
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0123	57.65	20.57	78.22	125.81	-47.59	AVG	
2		0.0354	48.11	21.13	69.24	116.62	-47.38	AVG	
3	*	0.0627	45.36	21.24	66.60	111.66	-45.06	AVG	

REMARKS:

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

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

Test Mode	TX AX(HE40) Mode Channel 151 (UNII-3)	Polarization	Ant 0°
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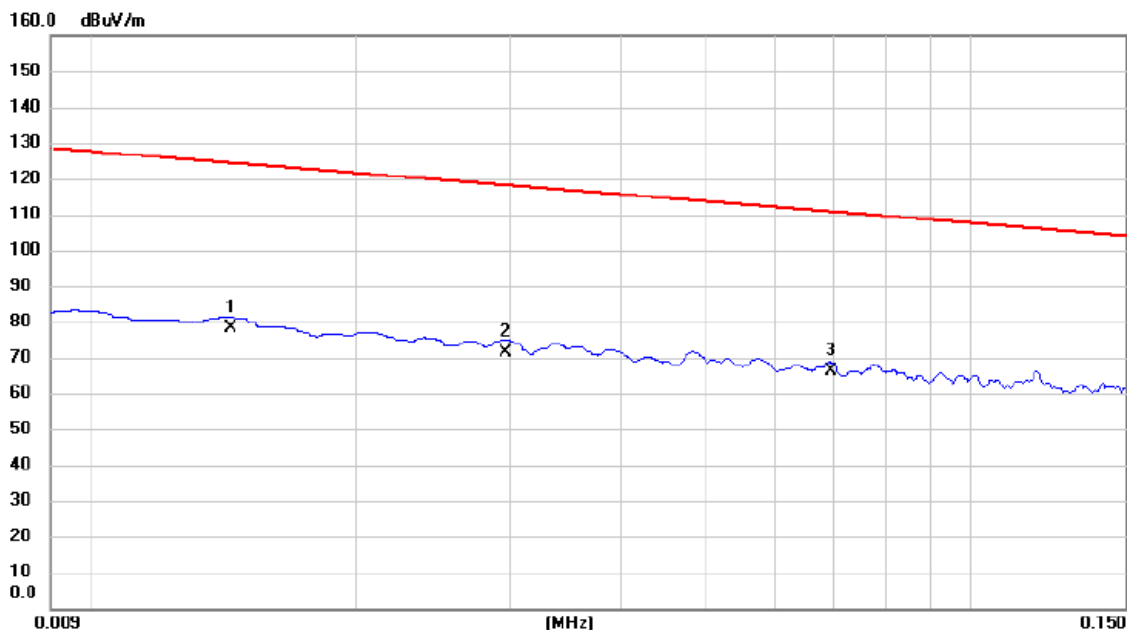


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.1500	61.36	21.30	82.66	104.09	-21.43	AVG	
2	*	1.6724	30.52	21.18	51.70	63.14	-11.44	QP	
3		6.8662	29.54	21.30	50.84	69.54	-18.70	QP	

REMARKS:

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

Test Mode	TX AX(HE40) Mode Channel 151 (UNII-3)	Polarization	Ant 90°
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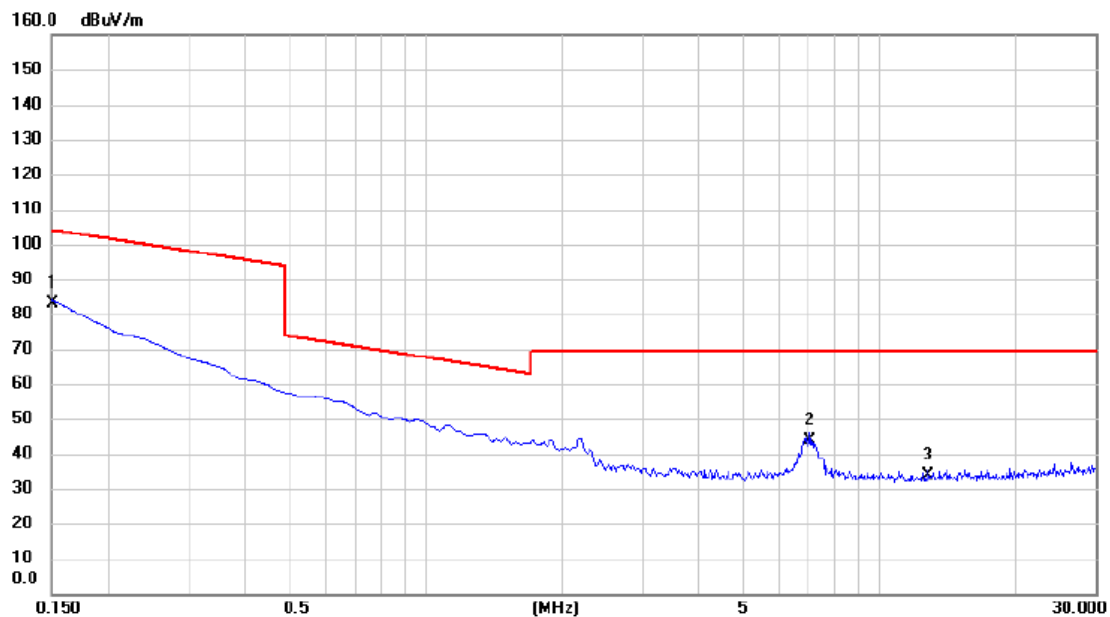


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0144	57.45	20.63	78.08	124.44	-46.36	AVG	
2		0.0296	50.36	21.09	71.45	118.18	-46.73	AVG	
3	*	0.0693	44.75	21.26	66.01	110.79	-44.78	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode Channel 151 (UNII-3)	Polarization	Ant 90°
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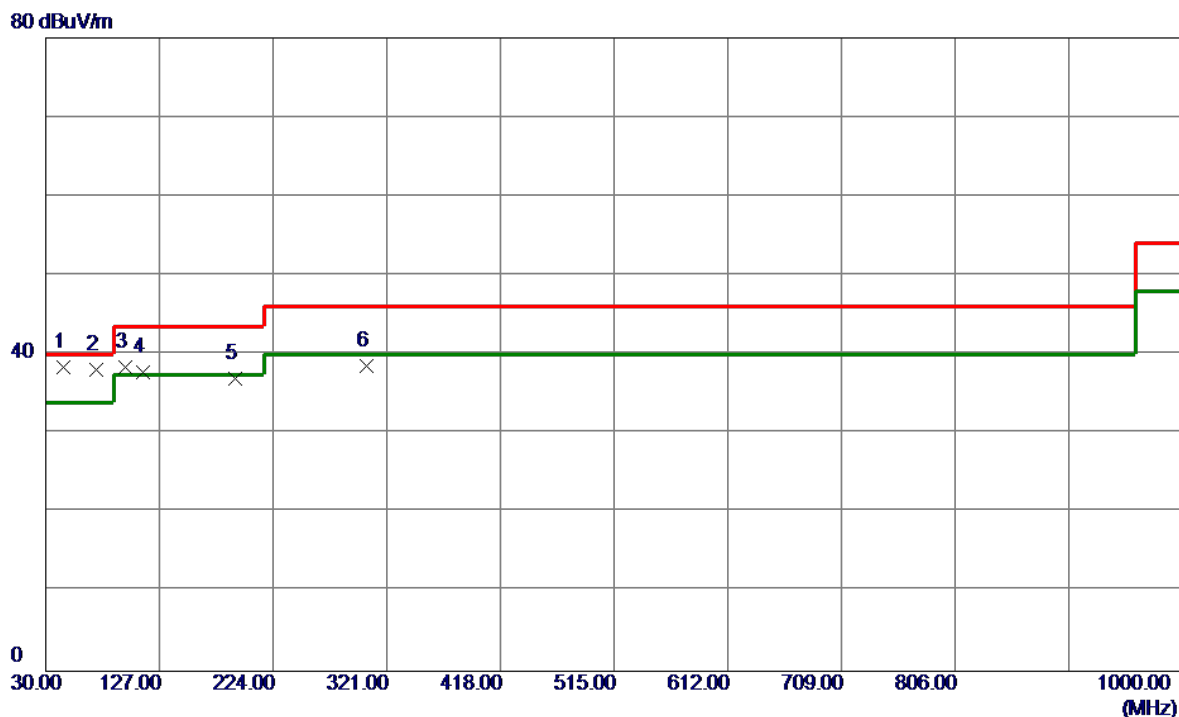
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.1500	61.82	21.30	83.12	104.09	-20.97	AVG	
2		7.0454	22.31	21.30	43.61	69.54	-25.93	QP	
3		12.8362	12.46	21.37	33.83	69.54	-35.71	QP	

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 AX(HE40) Mode Channel 151 (UNII-3)	Polarization	Vertical
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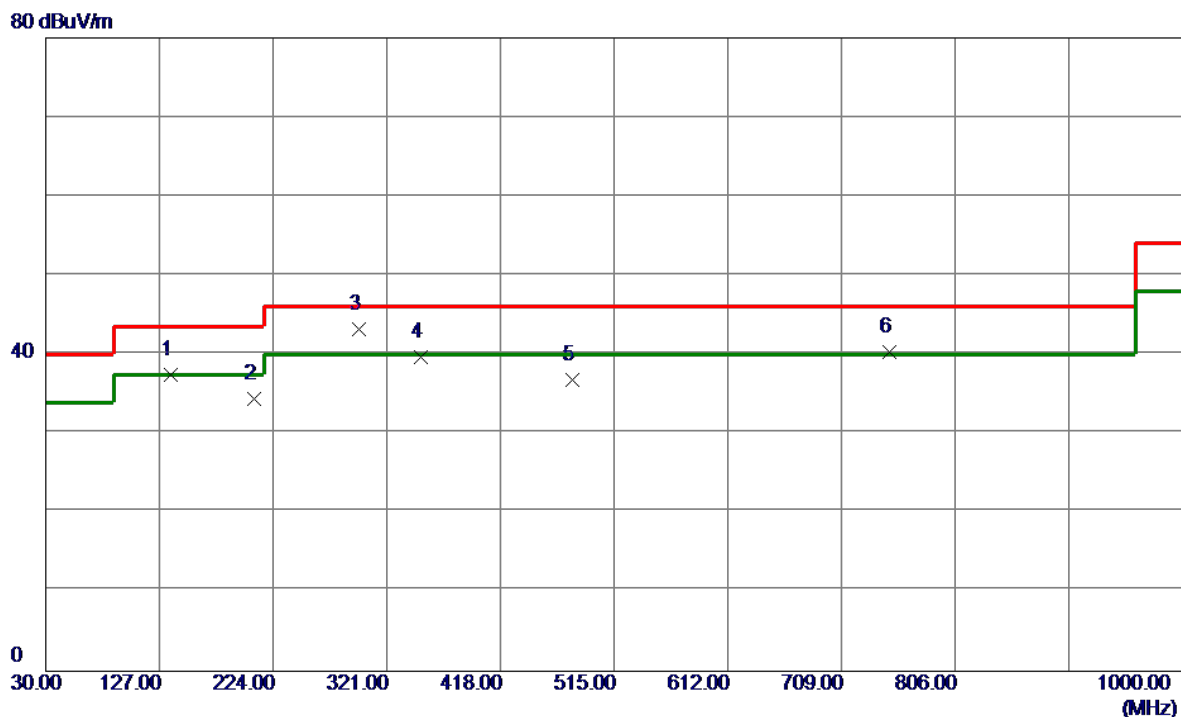


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	45.5200	49.71	-11.34	38.37	40.00	-1.63	Peak	
2	73.1650	52.08	-14.04	38.04	40.00	-1.96	Peak	
3	98.3850	54.63	-16.19	38.44	43.50	-5.06	Peak	
4	113.4200	51.71	-13.88	37.83	43.50	-5.67	Peak	
5	191.9900	50.91	-13.98	36.93	43.50	-6.57	Peak	
6	303.5400	48.99	-10.50	38.49	46.00	-7.51	Peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode Channel 151 (UNII-3)	Polarization	Horizontal
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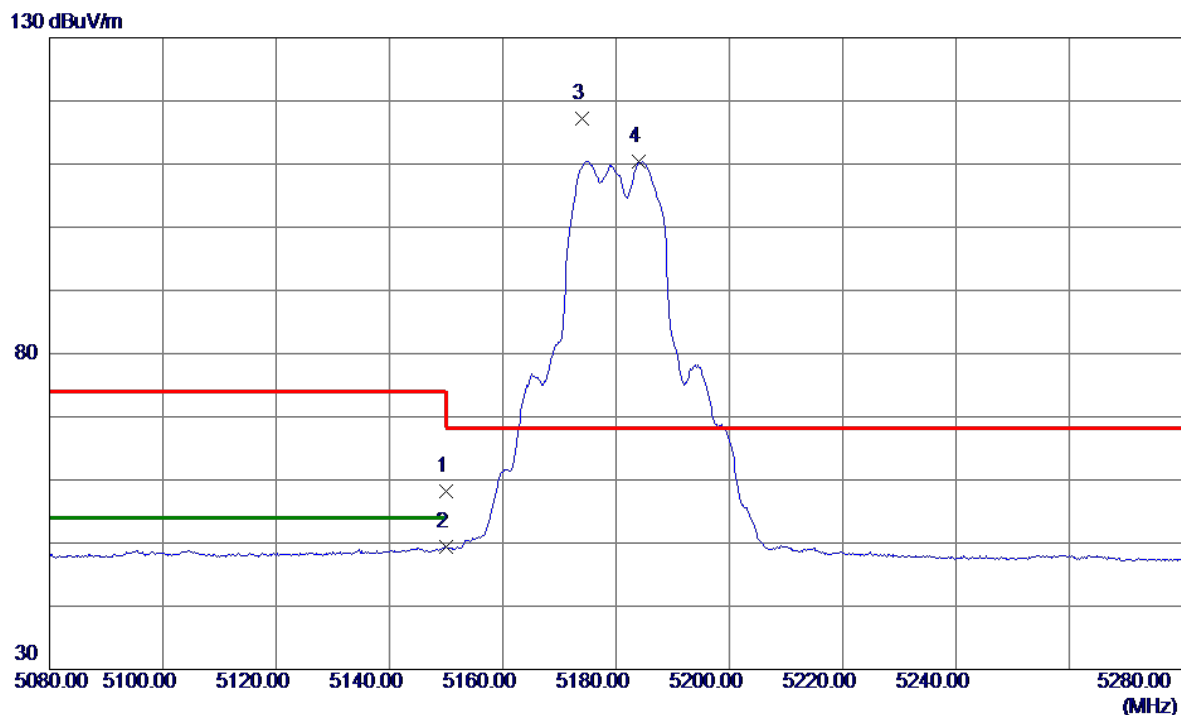
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	136.2150	49.45	-11.96	37.49	43.50	-6.01	Peak	
2	207.5100	48.85	-14.43	34.42	43.50	-9.08	Peak	
3 *	297.2349	53.77	-10.63	43.14	46.00	-2.86	Peak	
4	349.6150	49.10	-9.45	39.65	46.00	-6.35	Peak	
5	479.1100	43.16	-6.34	36.82	46.00	-9.18	Peak	
6	750.2250	41.45	-1.06	40.39	46.00	-5.61	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
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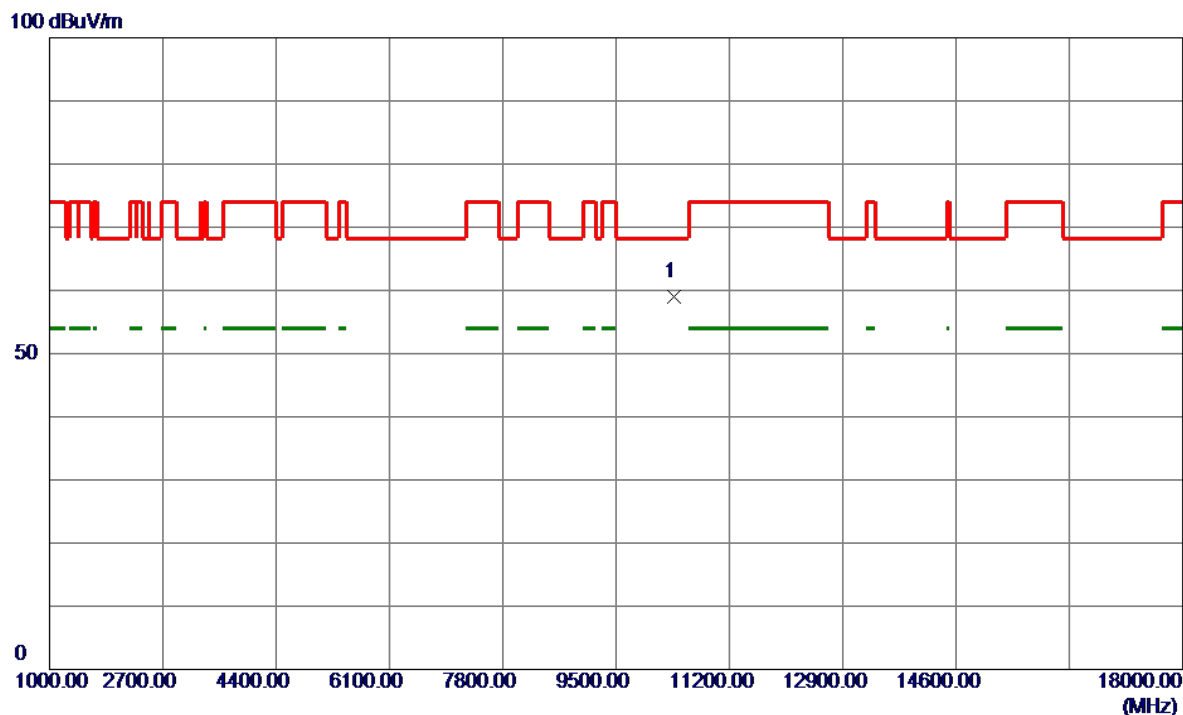


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	43.69	14.57	58.26	74.00	-15.74	Peak	
2	5150.0000	34.74	14.57	49.31	54.00	-4.69	AVG	
3 *	5174.0000	102.48	14.65	117.13	68.20	48.93	Peak	No Limit
4	5184.0000	95.72	14.69	110.41	999.00	-888.59	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	Vertical
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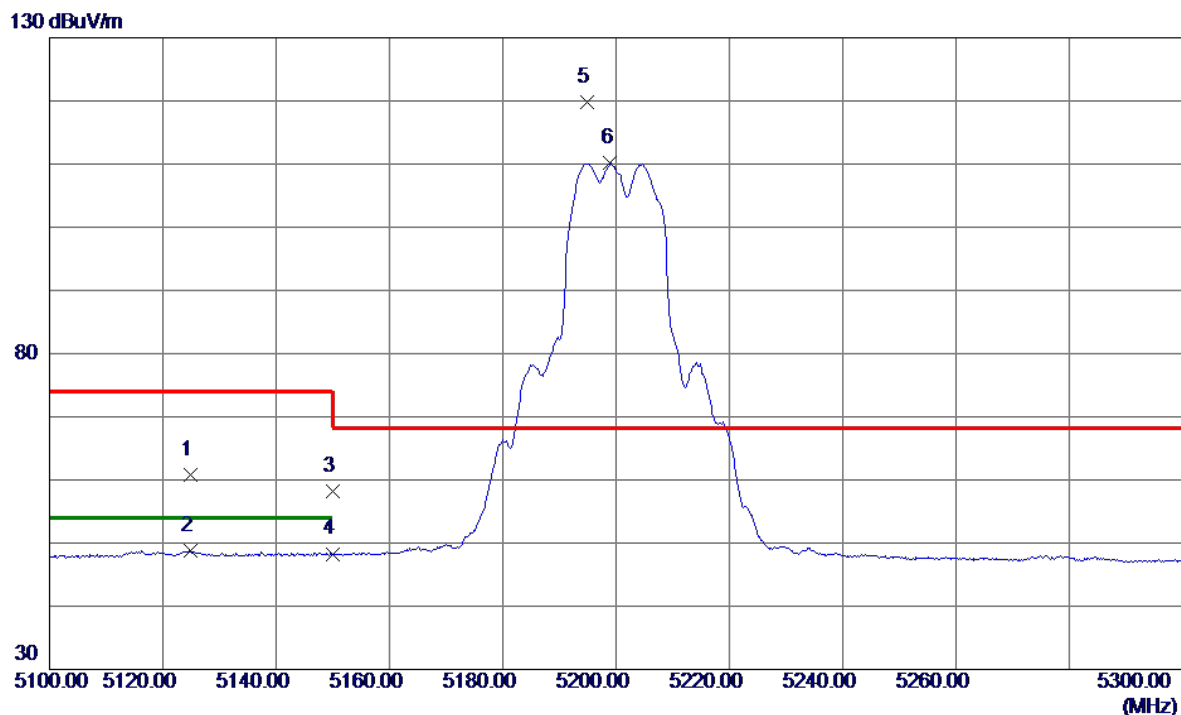


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.4000	47.97	10.95	58.92	68.20	-9.28	Peak	

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
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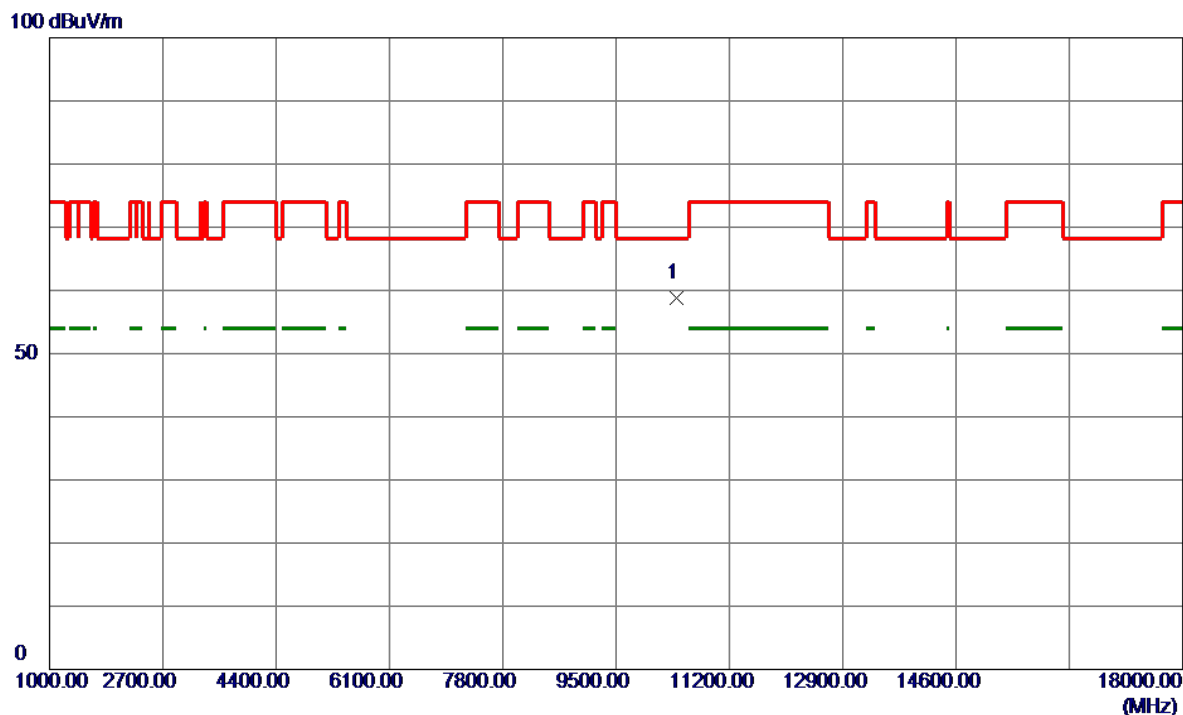


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5124.8000	46.28	14.49	60.77	74.00	-13.23	Peak	
2	5124.8000	34.29	14.49	48.78	54.00	-5.22	AVG	
3	5150.0000	43.69	14.57	58.26	74.00	-15.74	Peak	
4	5150.0000	33.73	14.57	48.30	54.00	-5.70	AVG	
5 *	5194.8000	105.07	14.72	119.79	68.20	51.59	Peak	No Limit
6	5199.0000	95.44	14.74	110.18	999.00	-888.82	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	Vertical
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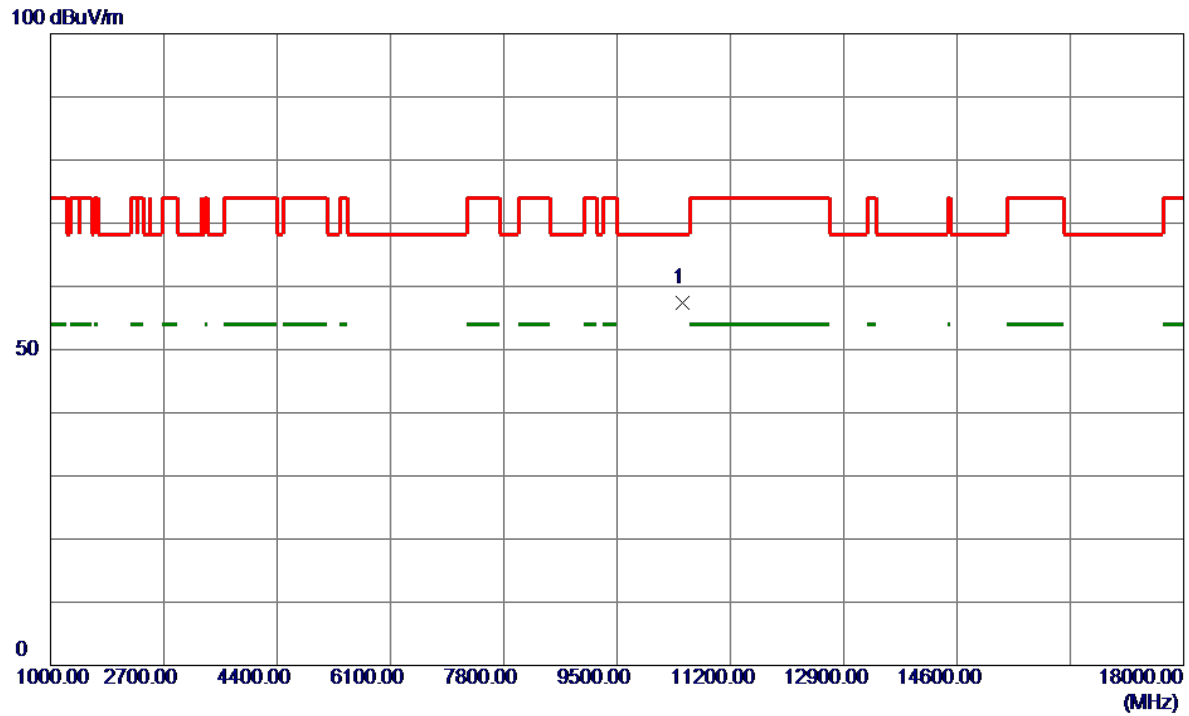


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10405.0000	47.74	11.00	58.74	68.20	-9.46	Peak	

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	Vertical
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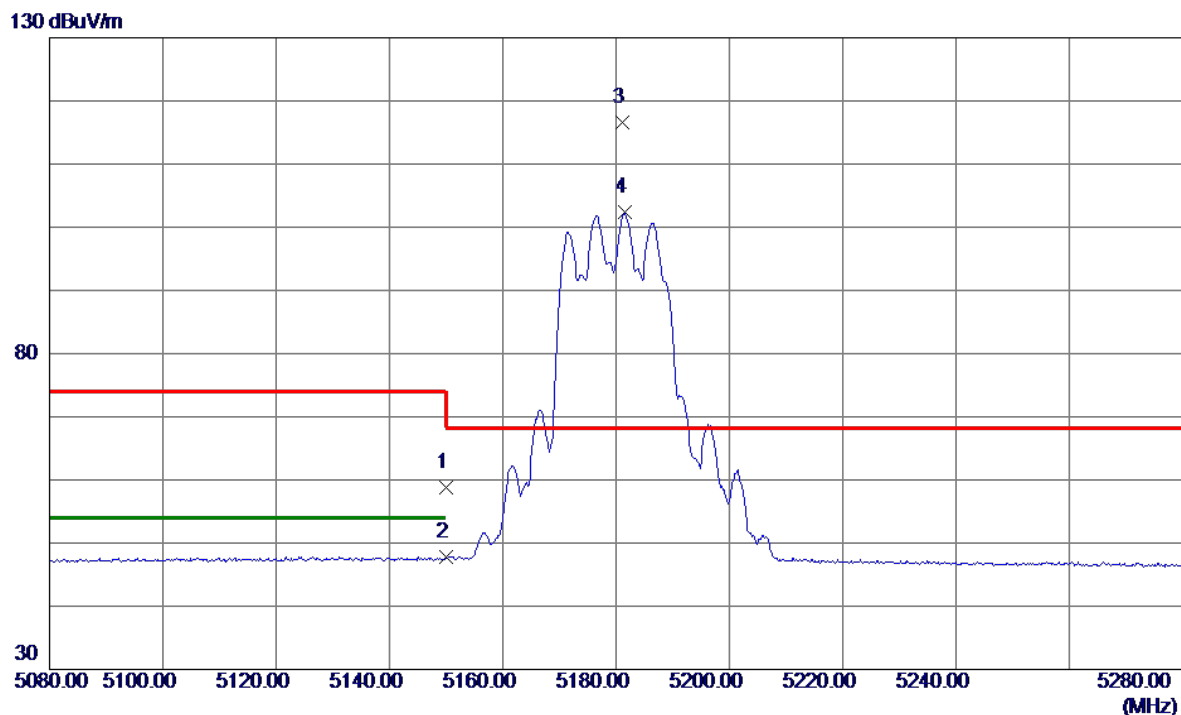


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10481.2000	46.40	11.07	57.47	68.20	-10.73	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz	Polarization	Vertical
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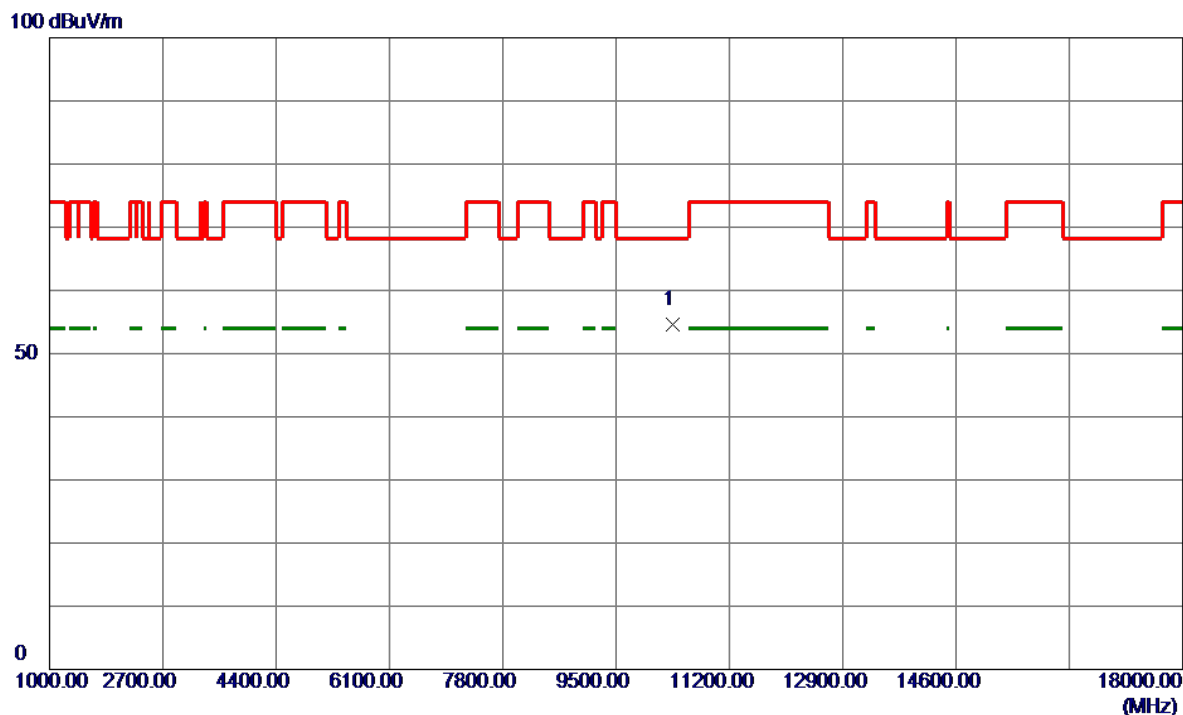


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	44.16	14.57	58.73	74.00	-15.27	Peak	
2	5150.0000	33.28	14.57	47.85	54.00	-6.15	AVG	
3 *	5181.2000	101.92	14.68	116.60	68.20	48.40	Peak	No Limit
4	5181.6000	87.63	14.68	102.31	999.00	-896.69	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AX(HE20) Mode 5180 MHz	Polarization	Vertical
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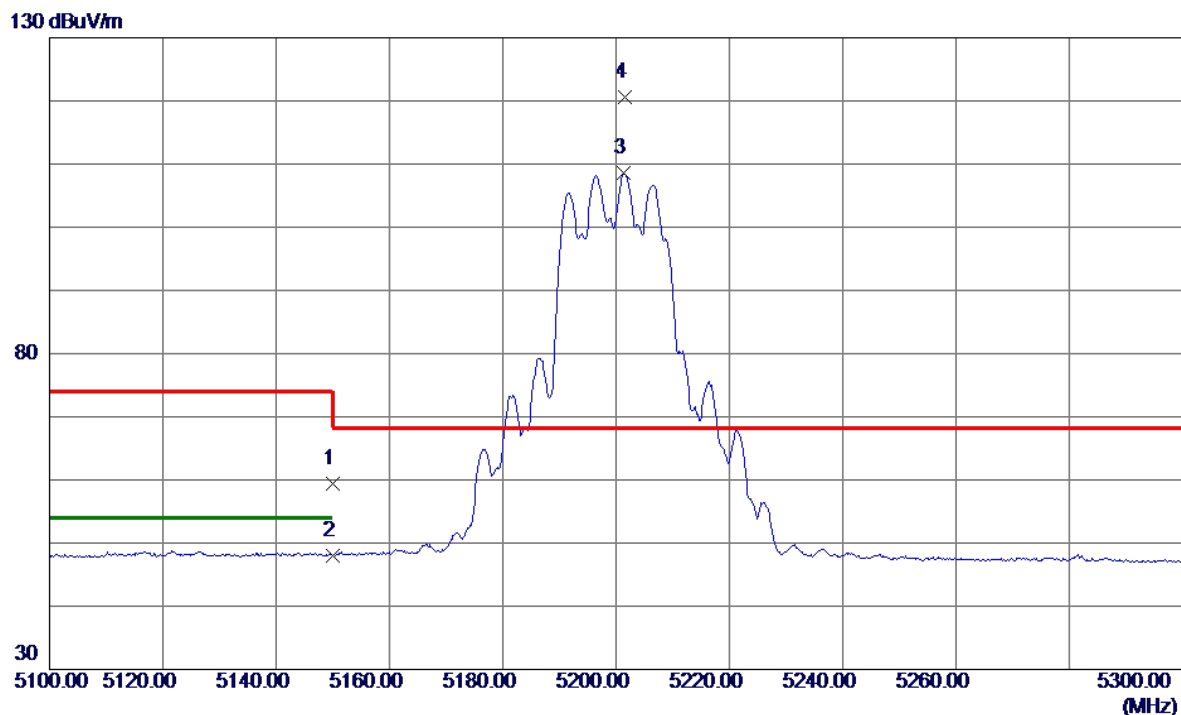


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10356.6000	43.58	10.95	54.53	68.20	-13.67	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz	Polarization	Vertical
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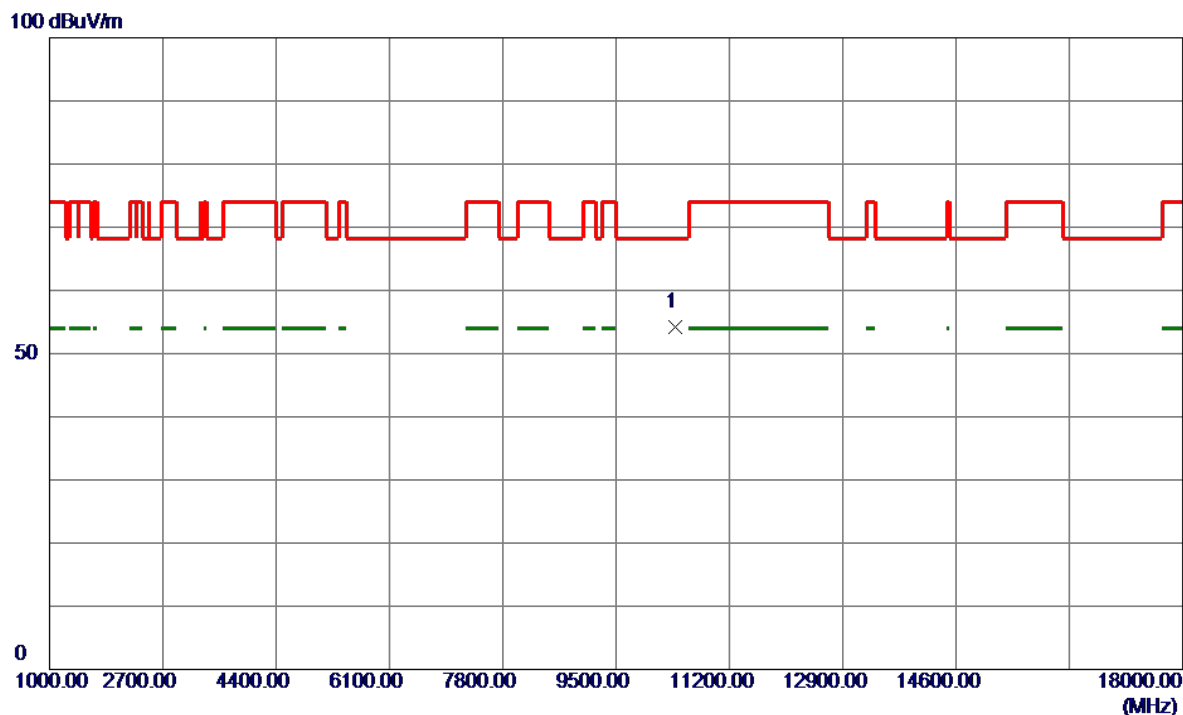


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	44.86	14.57	59.43	74.00	-14.57	Peak	
2	5150.0000	33.52	14.57	48.09	54.00	-5.91	AVG	
3	5201.4000	93.93	14.74	108.67	999.00	-890.33	AVG	No Limit
4 *	5201.6000	105.84	14.75	120.59	68.20	52.39	Peak	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AX(HE20) Mode 5200 MHz	Polarization	Vertical
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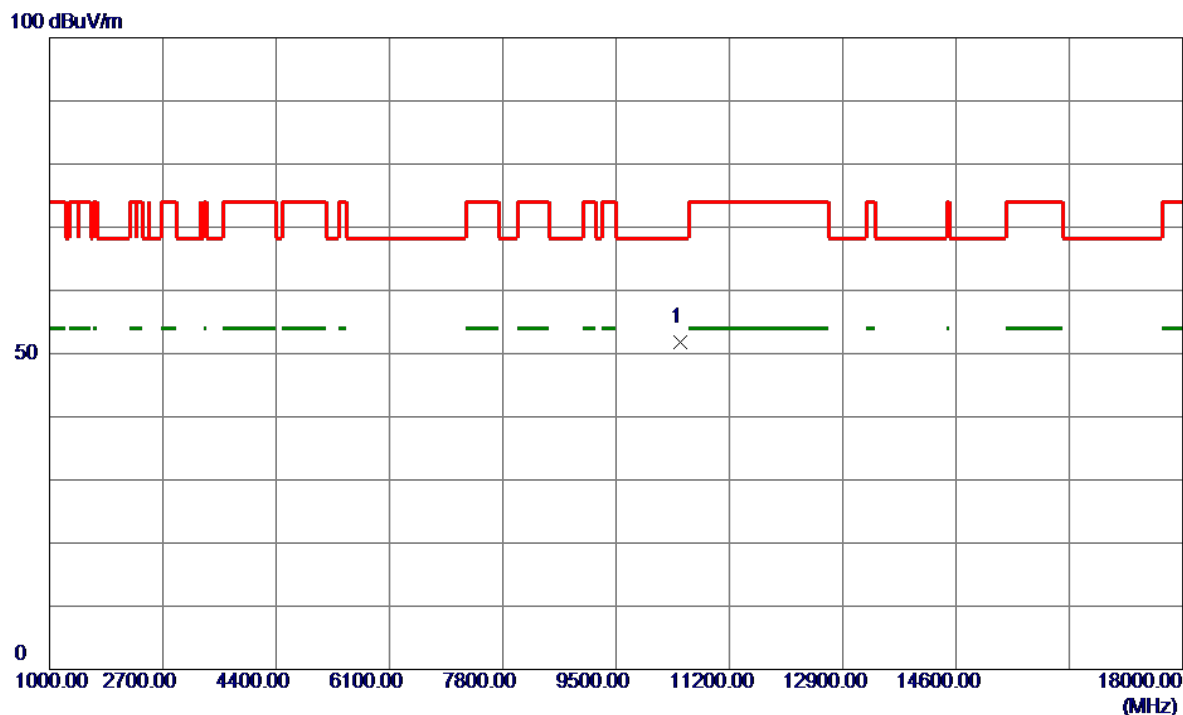


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10396.8000	43.20	10.99	54.19	68.20	-14.01	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AX(HE20) Mode 5240 MHz	Polarization	Vertical
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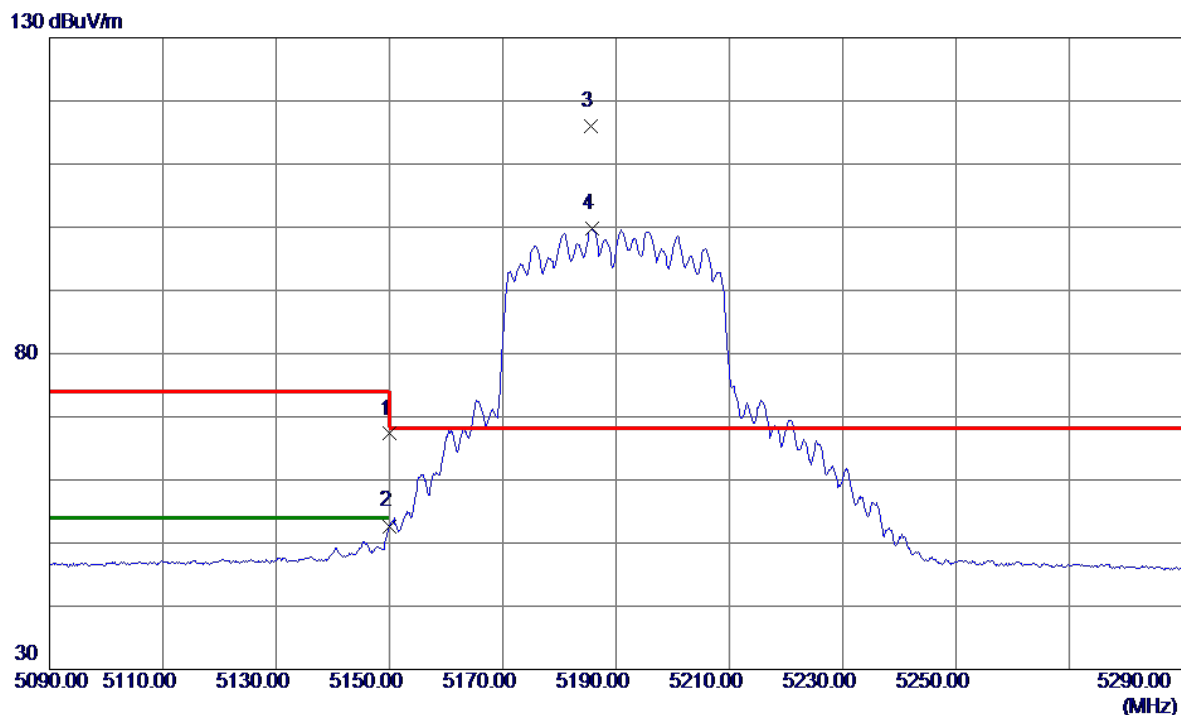


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1 *	10471.6000	40.76	11.06	51.82	68.20	-16.38	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz	Polarization	Vertical
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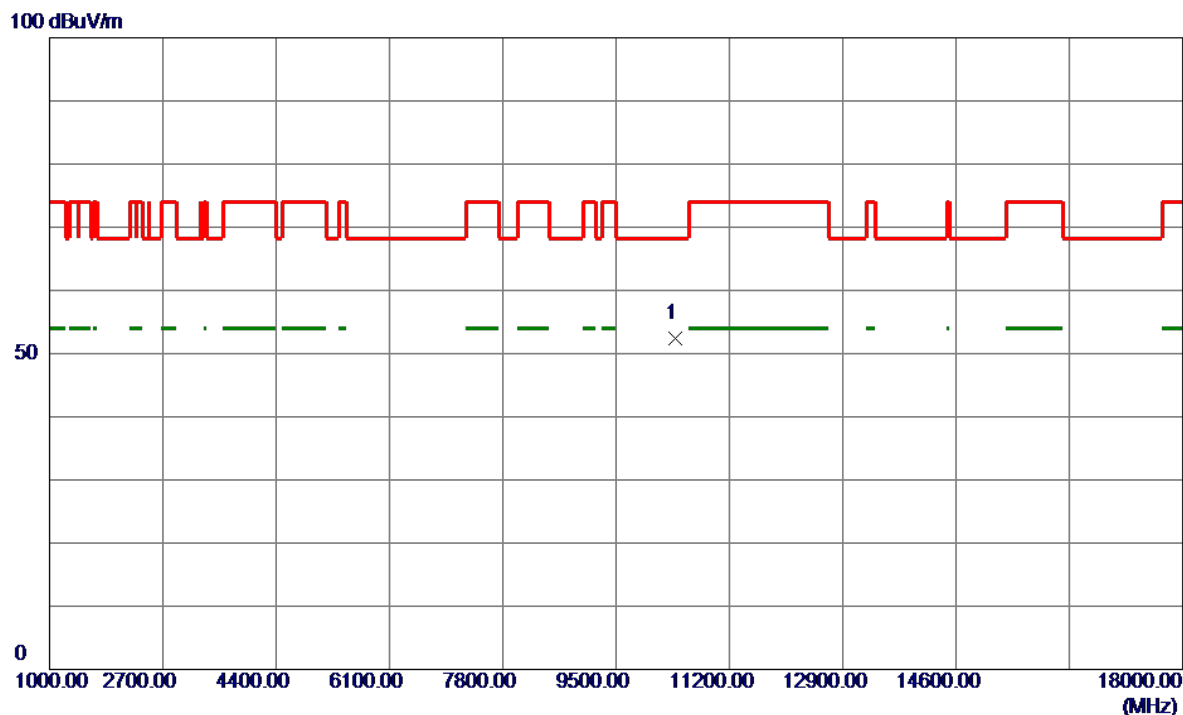


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	52.73	14.57	67.30	74.00	-6.70	Peak	
2	5150.0000	38.13	14.57	52.70	54.00	-1.30	AVG	
3 *	5185.6000	101.24	14.69	115.93	68.20	47.73	Peak	No Limit
4	5185.8000	85.11	14.69	99.80	999.00	-899.20	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AX(HE40) Mode 5190 MHz	Polarization	Vertical
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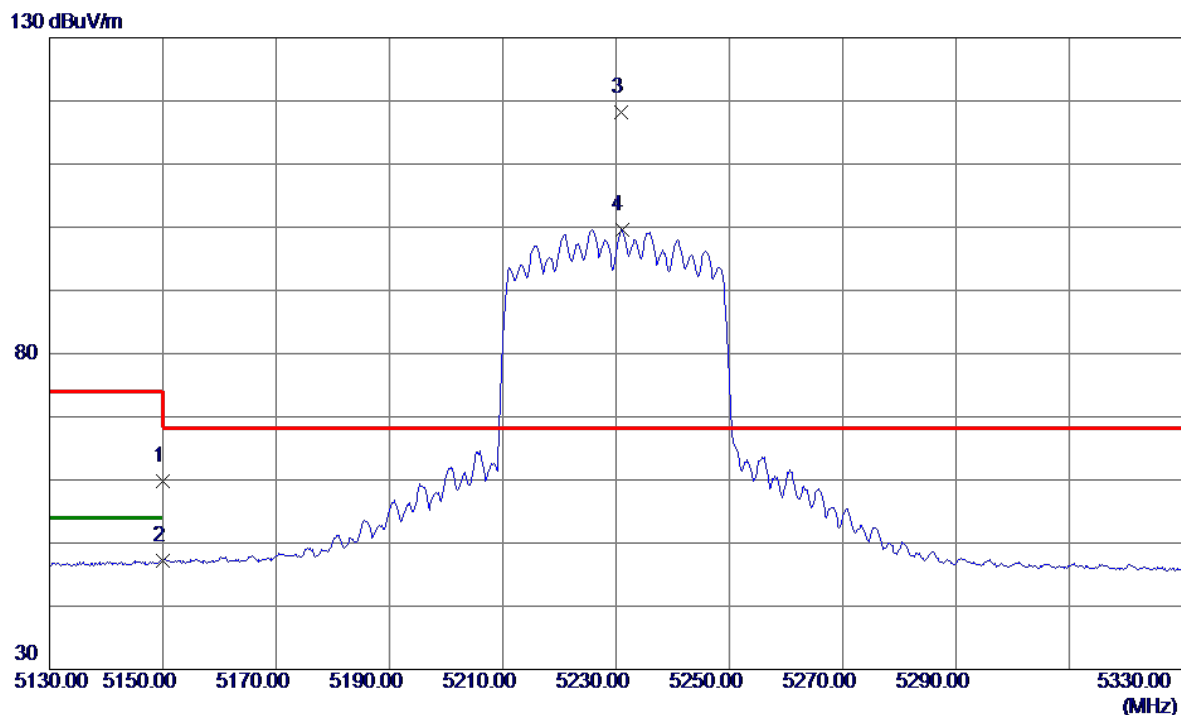


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10382.8000	41.50	10.98	52.48	68.20	-15.72	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz	Polarization	Vertical
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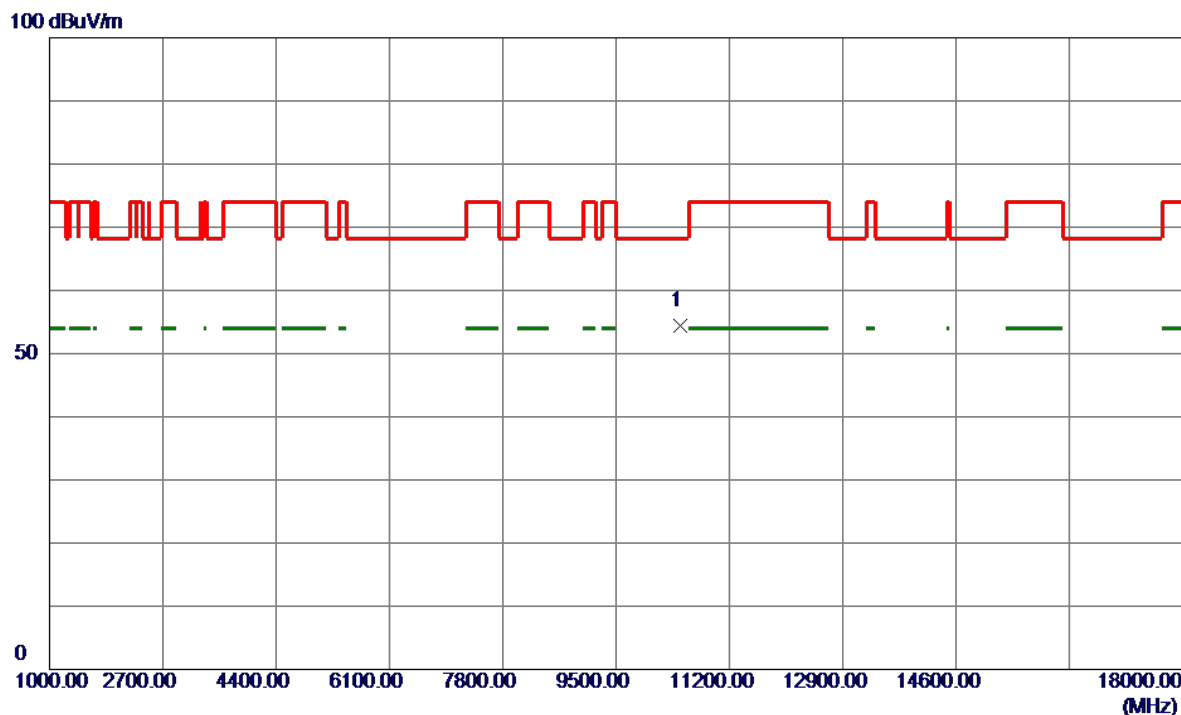


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	45.22	14.57	59.79	74.00	-14.21	Peak	
2	5150.0000	32.70	14.57	47.27	54.00	-6.73	AVG	
3 *	5230.8000	103.46	14.84	118.30	68.20	50.10	Peak	No Limit
4	5231.0000	84.78	14.84	99.62	999.00	-899.38	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AX(HE40) Mode 5230 MHz	Polarization	Vertical
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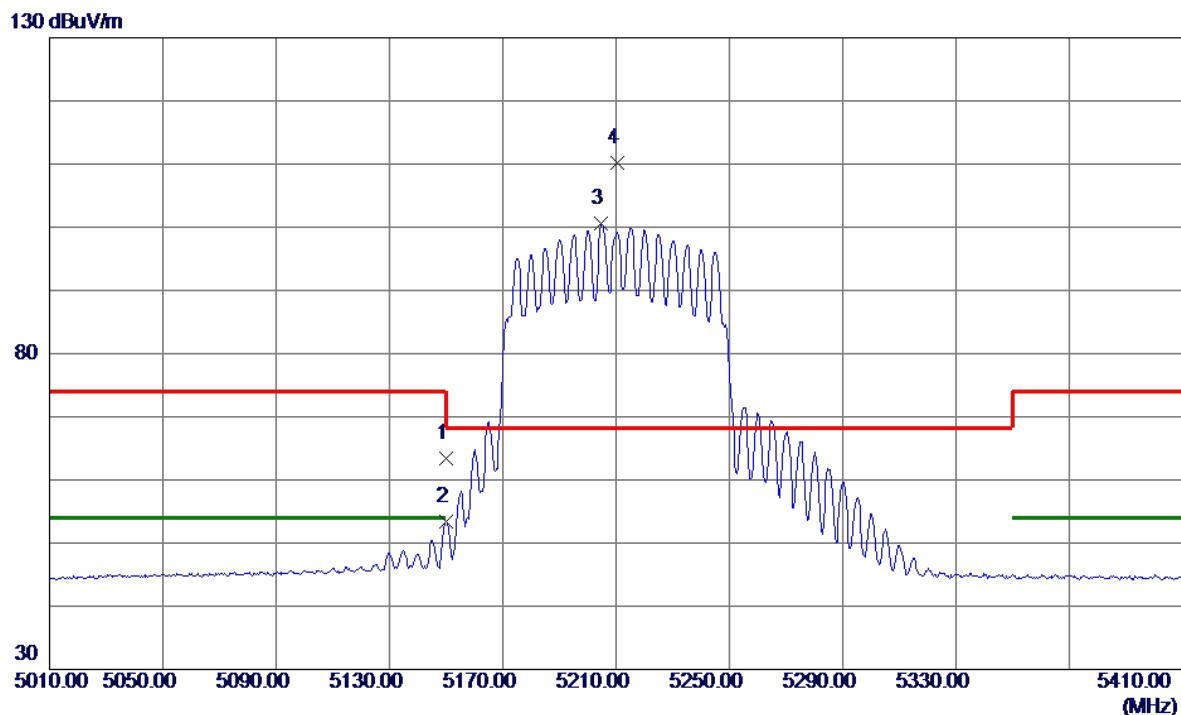


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10458.8000	43.29	11.05	54.34	68.20	-13.86	Peak	

REMARKS:

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

Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz	Polarization	Vertical
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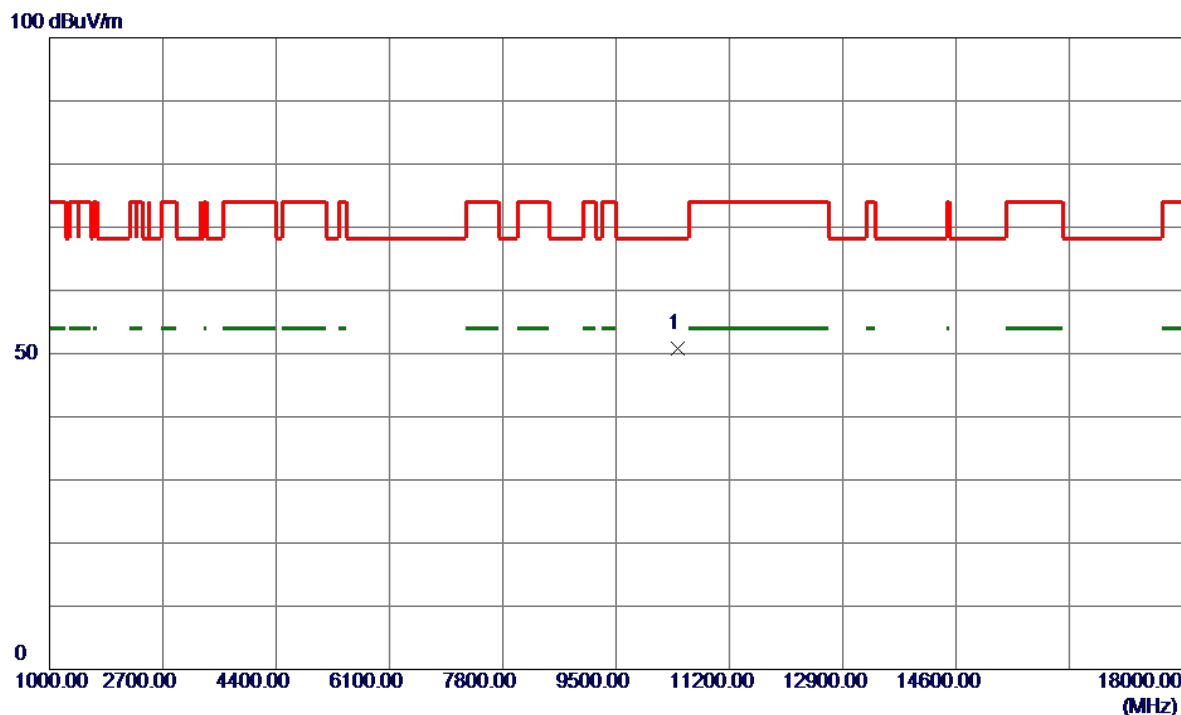


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	48.81	14.57	63.38	74.00	-10.62	Peak	
2	5150.0000	38.77	14.57	53.34	54.00	-0.66	AVG	
3	5204.8000	85.82	14.76	100.58	999.00	-898.42	AVG	No Limit
4 *	5210.4000	95.42	14.77	110.19	68.20	41.99	Peak	No Limit

REMARKS:

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

Test Mode	UNII-1_TX AX(HE80) Mode 5210 MHz	Polarization	Vertical
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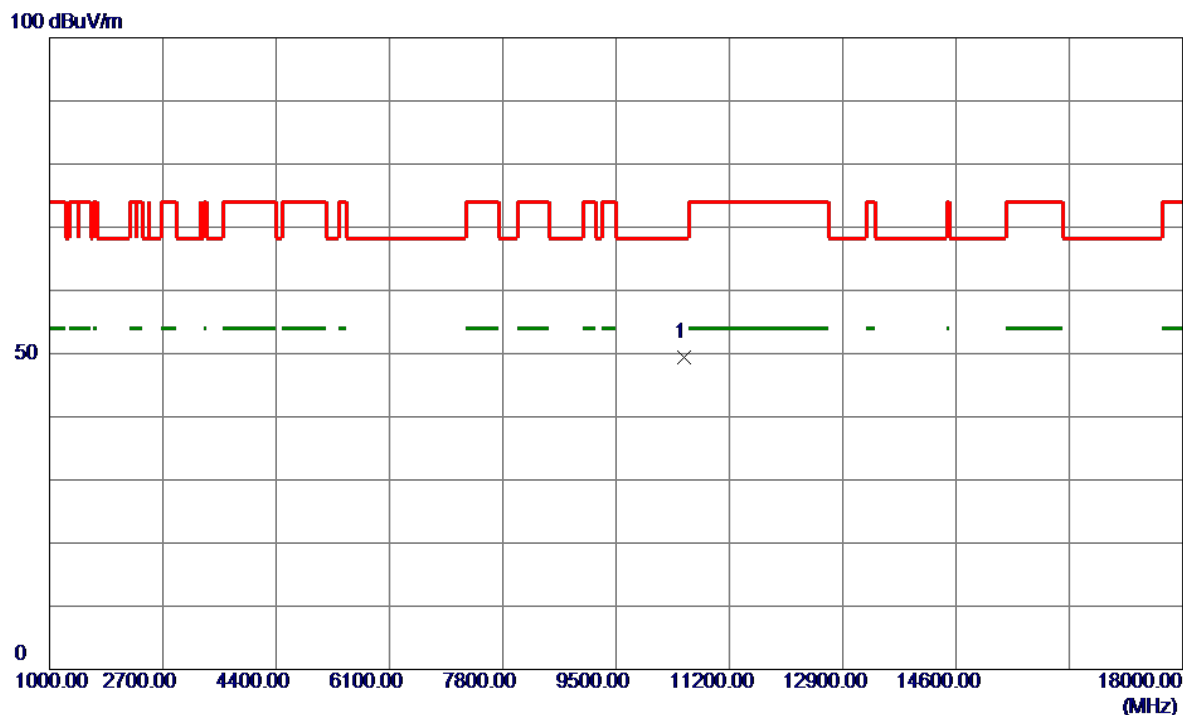


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10420.8000	39.71	11.01	50.72	68.20	-17.48	Peak	

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	Vertical
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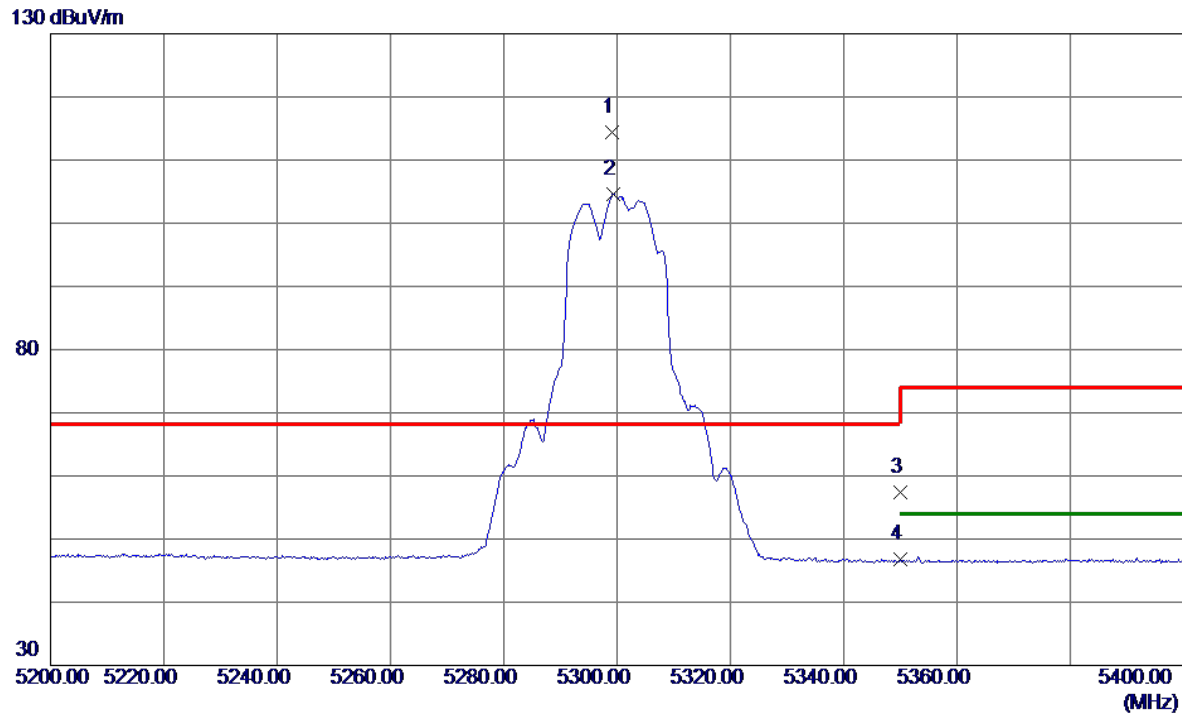


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10514.0000	38.30	11.10	49.40	68.20	-18.80	Peak	

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
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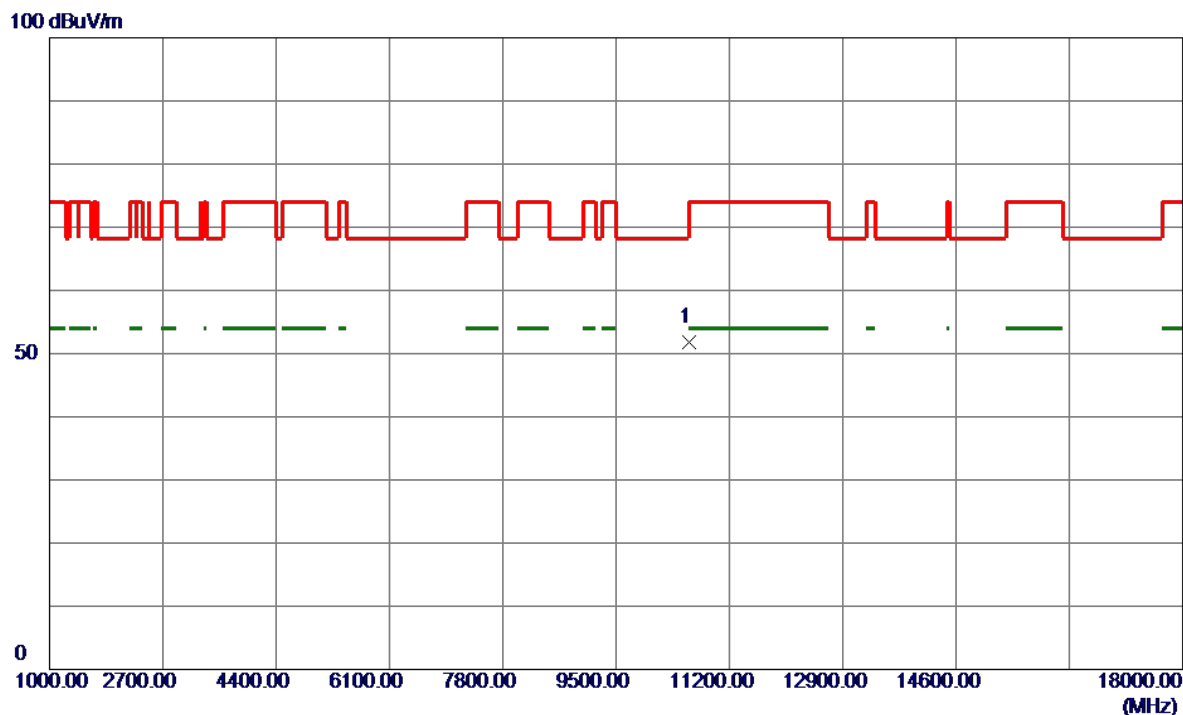


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5299.2000	99.25	15.07	114.32	68.20	46.12	Peak	No Limit
2	5299.4000	89.53	15.07	104.60	999.00	-894.40	AVG	No Limit
3	5350.0000	42.26	15.23	57.49	74.00	-16.51	Peak	
4	5350.0000	31.50	15.23	46.73	54.00	-7.27	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	Vertical
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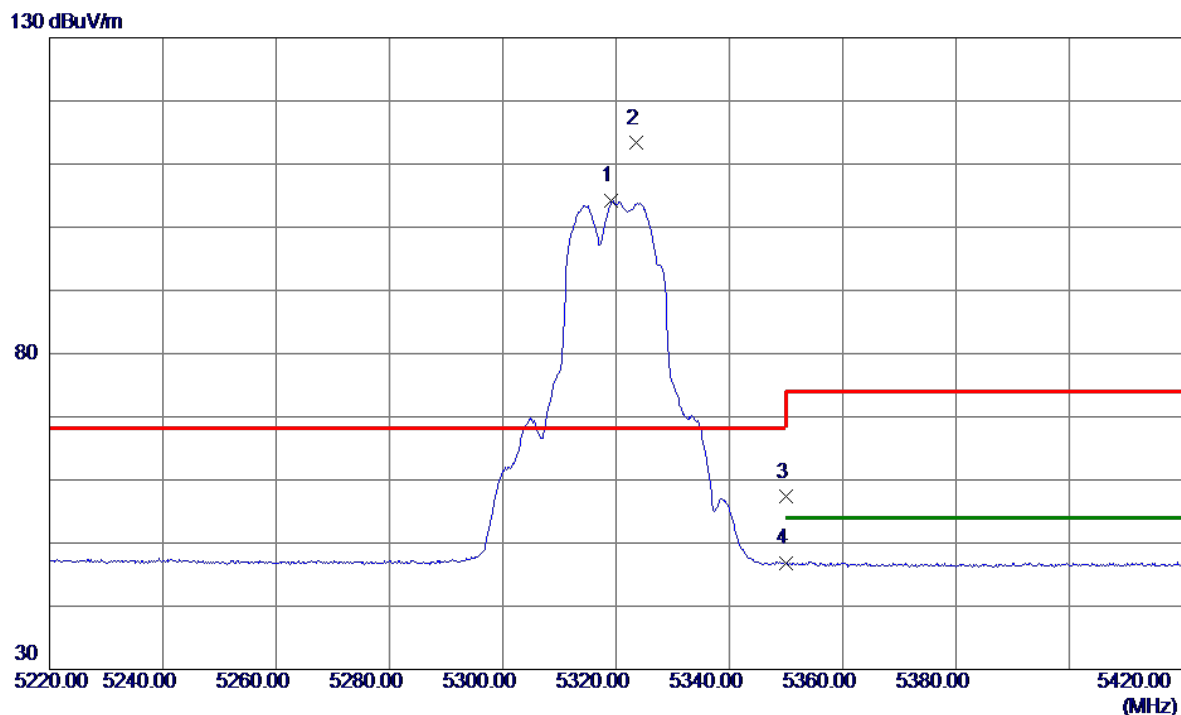


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10598.0000	40.55	11.17	51.72	68.20	-16.48	Peak	

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
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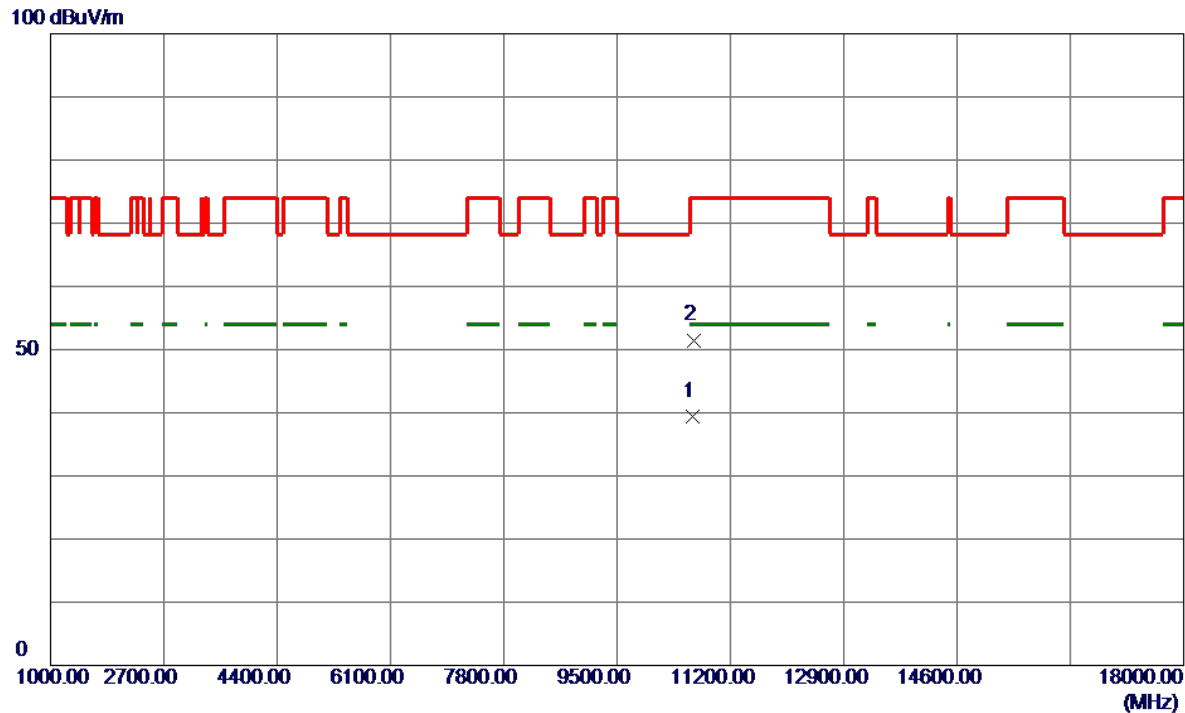


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5319.2000	89.04	15.13	104.17	999.00	-894.83	AVG	No Limit
2 *	5323.6000	98.15	15.15	113.30	68.20	45.10	Peak	No Limit
3	5350.0000	42.07	15.23	57.30	74.00	-16.70	Peak	
4	5350.0000	31.55	15.23	46.78	54.00	-7.22	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
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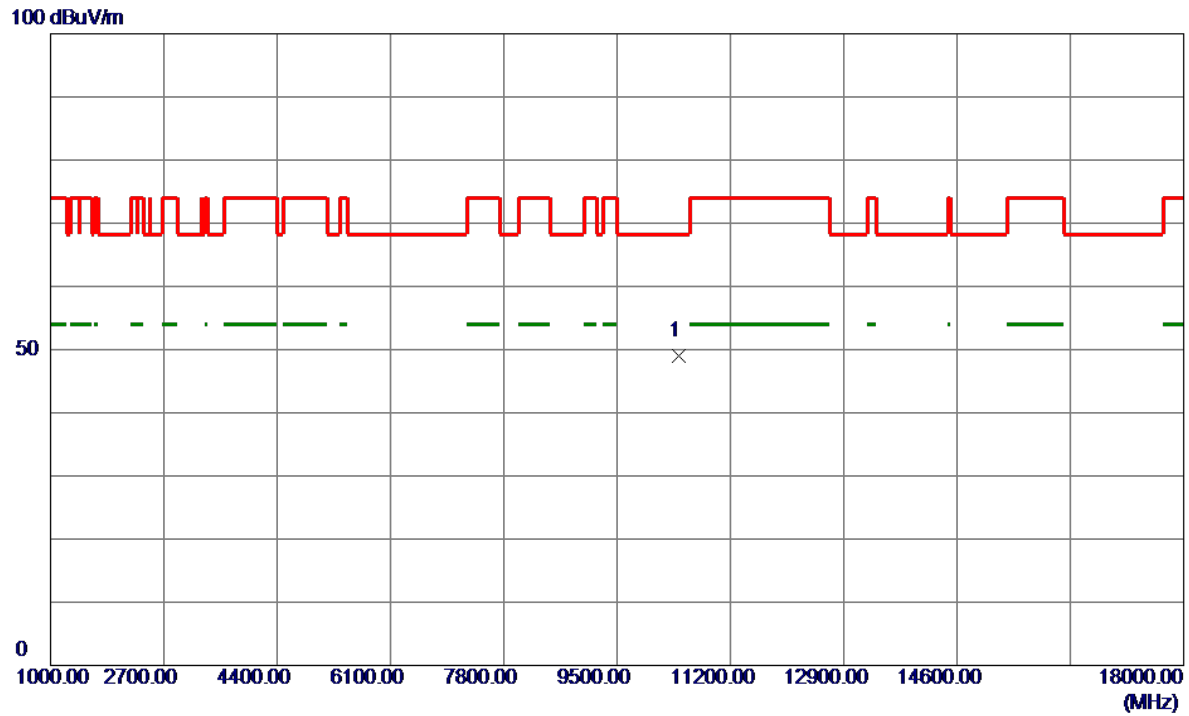


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10639.0000	28.19	11.20	39.39	54.00	-14.61	AVG	
2	10643.6000	40.30	11.20	51.50	74.00	-22.50	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE20) Mode 5260 MHz	Polarization	Vertical
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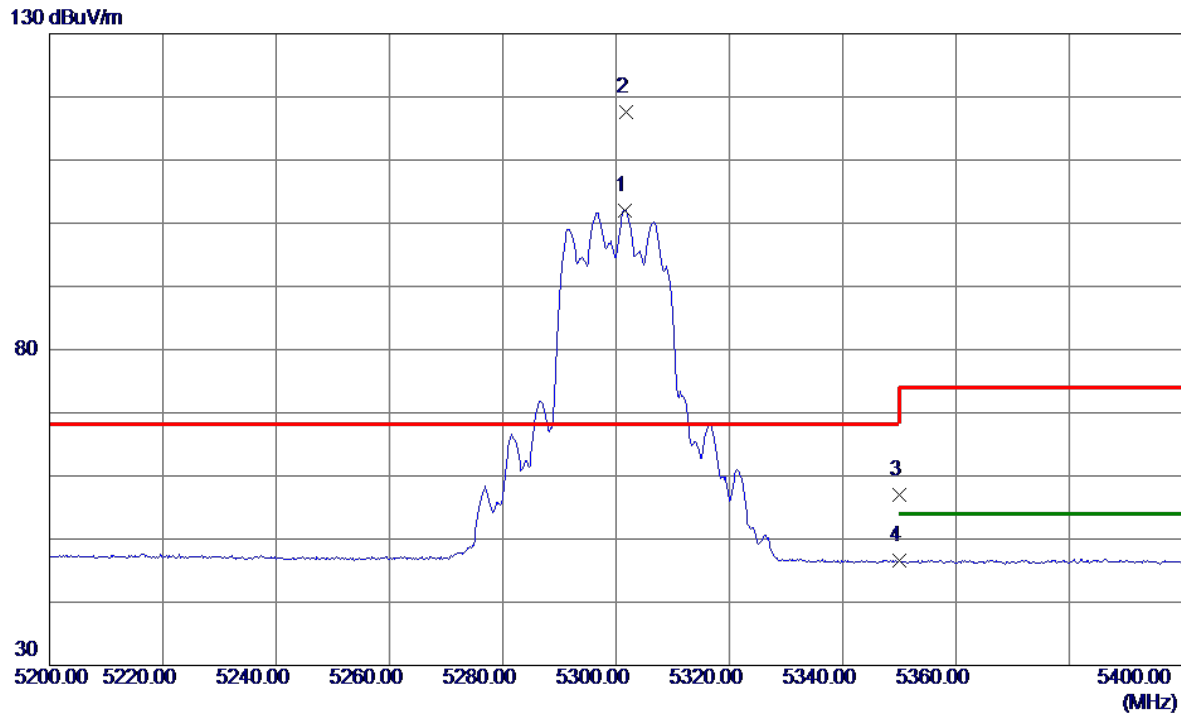


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10434.2000	37.92	11.03	48.95	68.20	-19.25	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE20) Mode 5300 MHz	Polarization	Vertical
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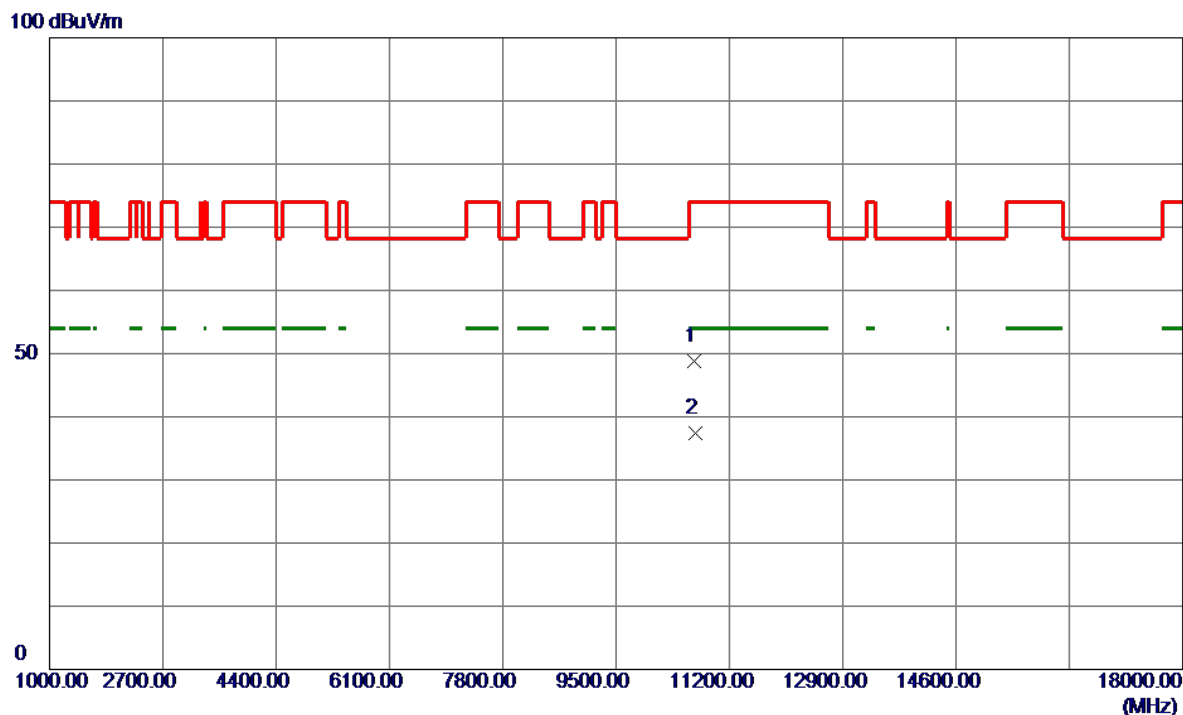


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5301.6000	86.87	15.08	101.95	999.00	-897.05	AVG	No Limit
2 *	5301.8000	102.43	15.08	117.51	68.20	49.31	Peak	No Limit
3	5350.0000	41.84	15.23	57.07	74.00	-16.93	Peak	
4	5350.0000	31.29	15.23	46.52	54.00	-7.48	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE20) Mode 5300 MHz	Polarization	Vertical
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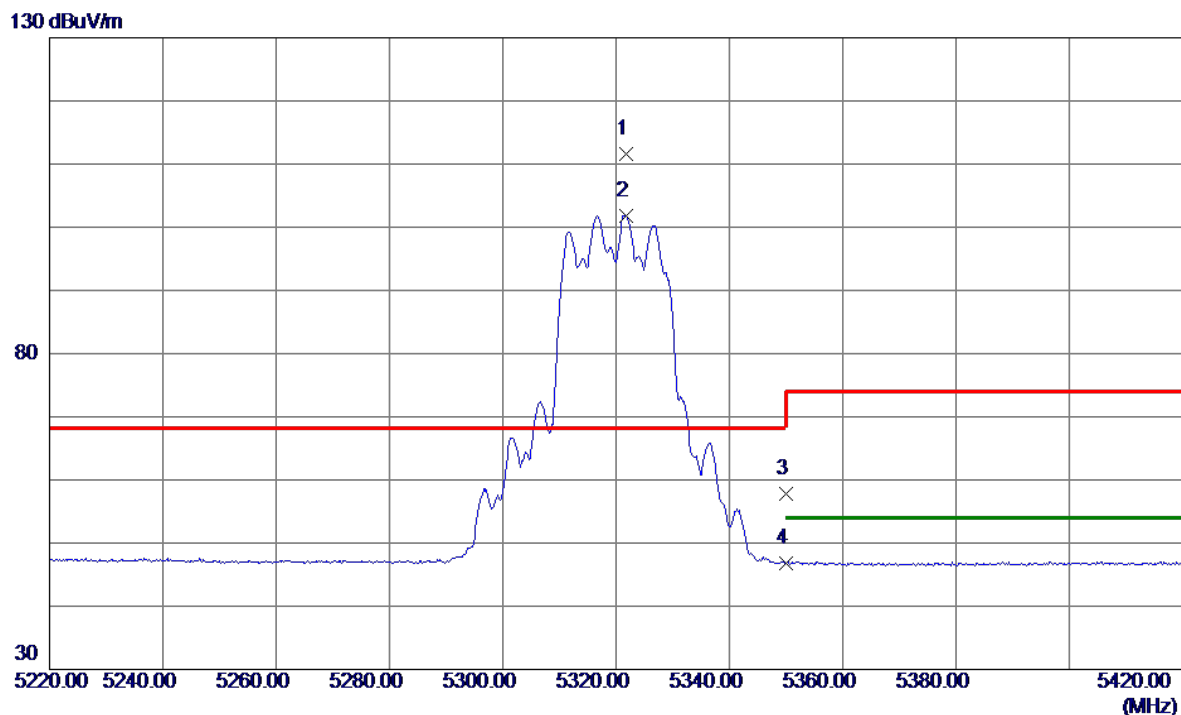


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10669.2000	37.65	11.23	48.88	74.00	-25.12	Peak	
2 *	10699.2000	26.20	11.25	37.45	54.00	-16.55	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE20) Mode 5320 MHz	Polarization	Vertical
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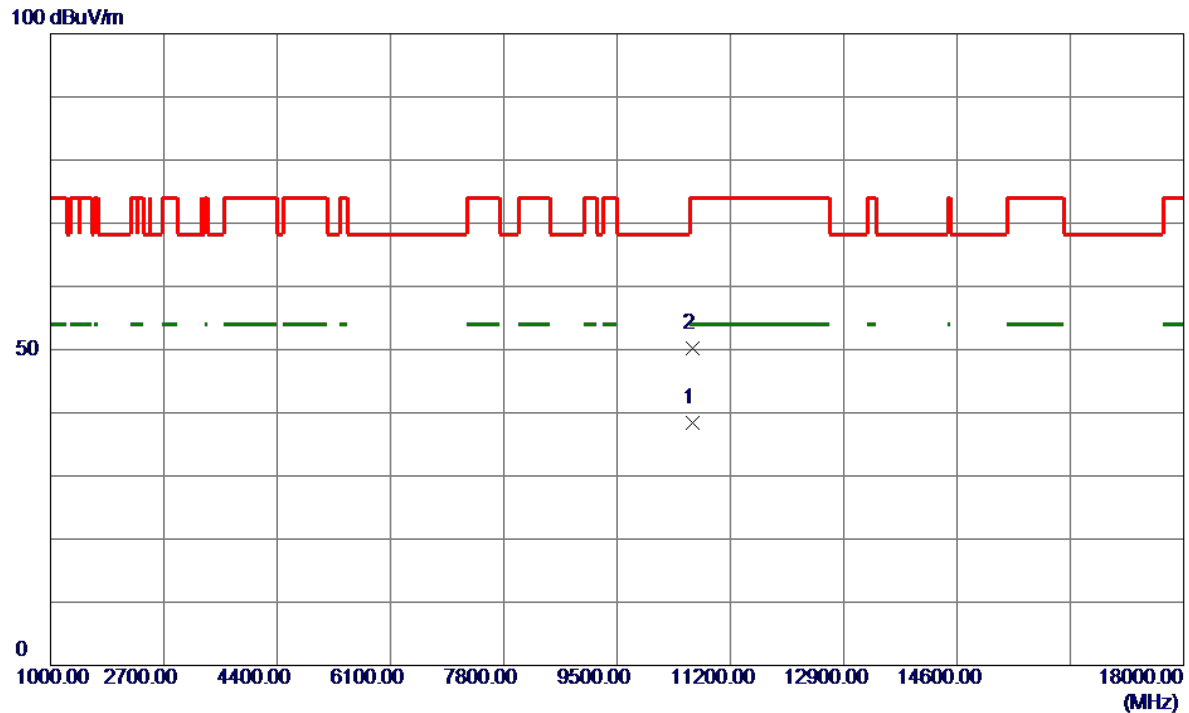


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5321.8000	96.44	15.14	111.58	68.20	43.38	Peak	No Limit
2	5321.8000	86.75	15.14	101.89	999.00	-897.11	AVG	No Limit
3	5350.0000	42.59	15.23	57.82	74.00	-16.18	Peak	
4	5350.0000	31.50	15.23	46.73	54.00	-7.27	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE20) Mode 5320 MHz	Polarization	Vertical
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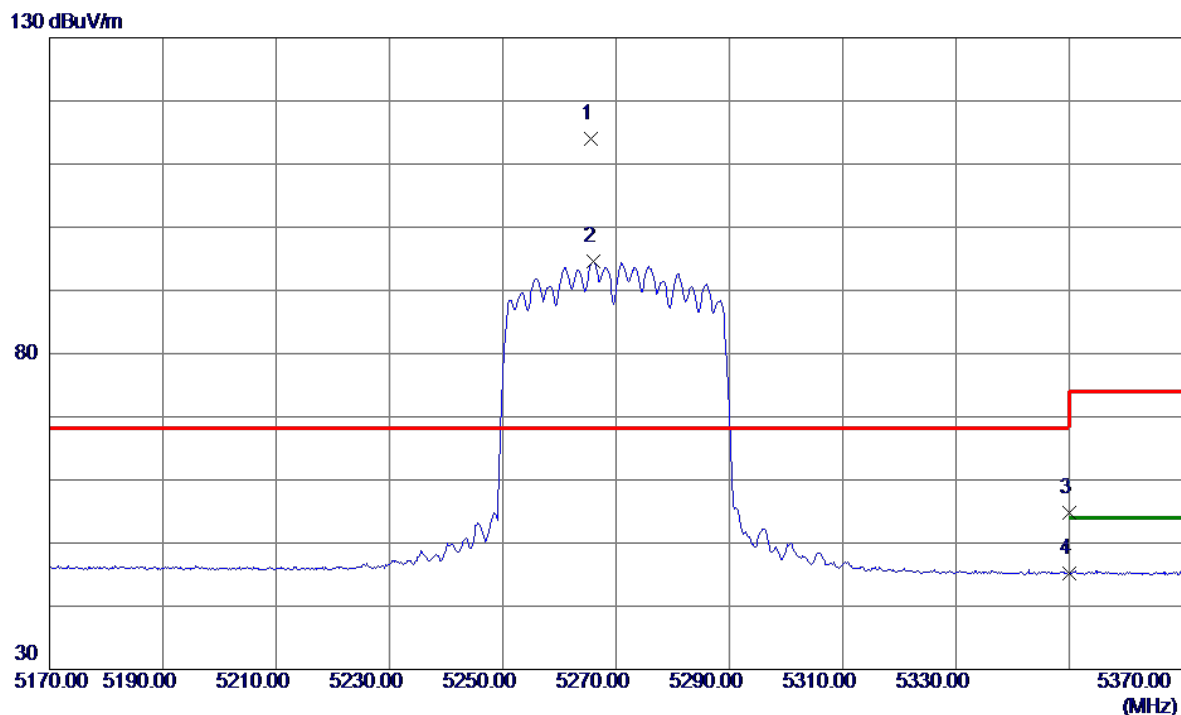


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10639.8000	27.24	11.20	38.44	54.00	-15.56	AVG	
2	10640.2000	39.00	11.20	50.20	74.00	-23.80	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE40) Mode 5270 MHz	Polarization	Vertical
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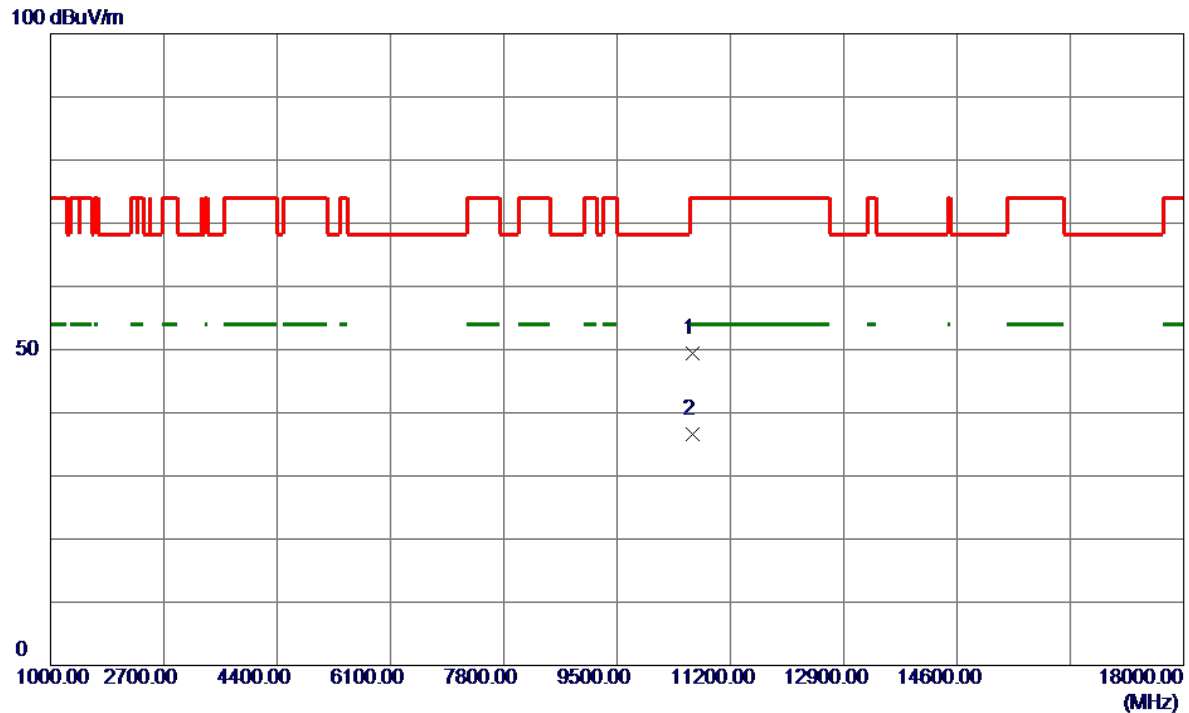


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5265.6000	99.03	14.96	113.99	68.20	45.79	Peak	No Limit
2	5266.0000	79.72	14.96	94.68	999.00	-904.32	AVG	No Limit
3	5350.0000	39.54	15.23	54.77	74.00	-19.23	Peak	
4	5350.0000	29.92	15.23	45.15	54.00	-8.85	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE40) Mode 5270 MHz	Polarization	Vertical
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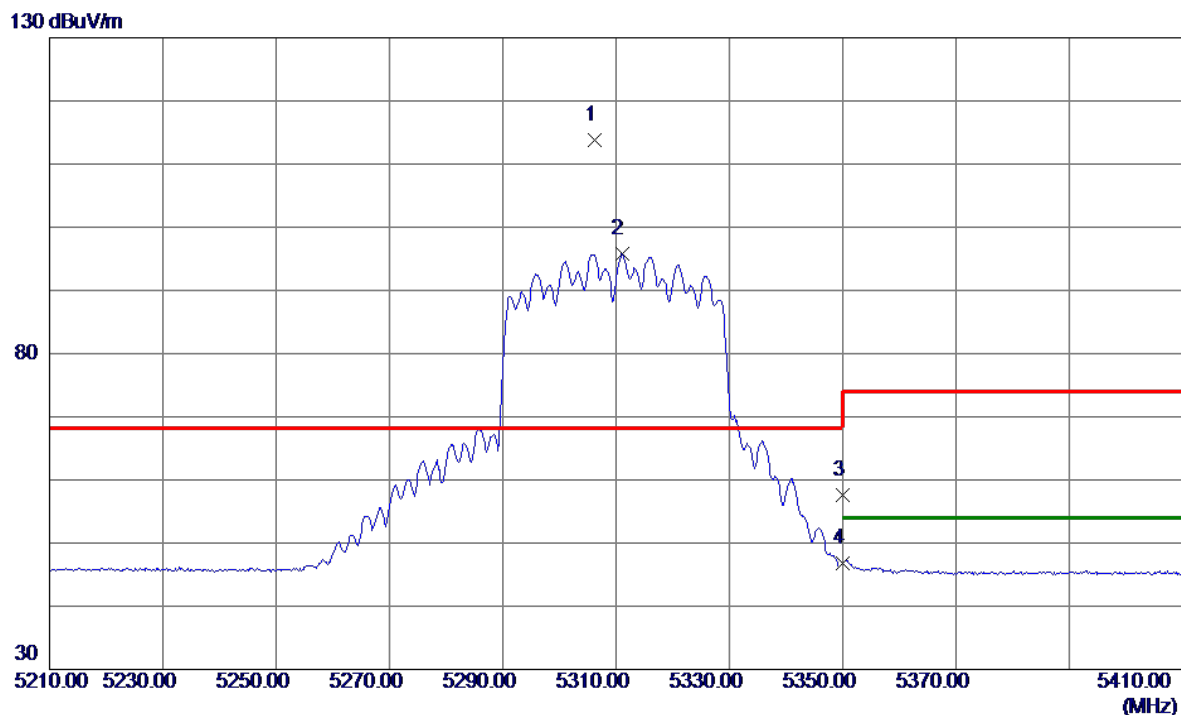


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10626.2000	38.28	11.19	49.47	74.00	-24.53	Peak	
2 *	10638.8000	25.42	11.20	36.62	54.00	-17.38	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE40) Mode 5310 MHz	Polarization	Vertical
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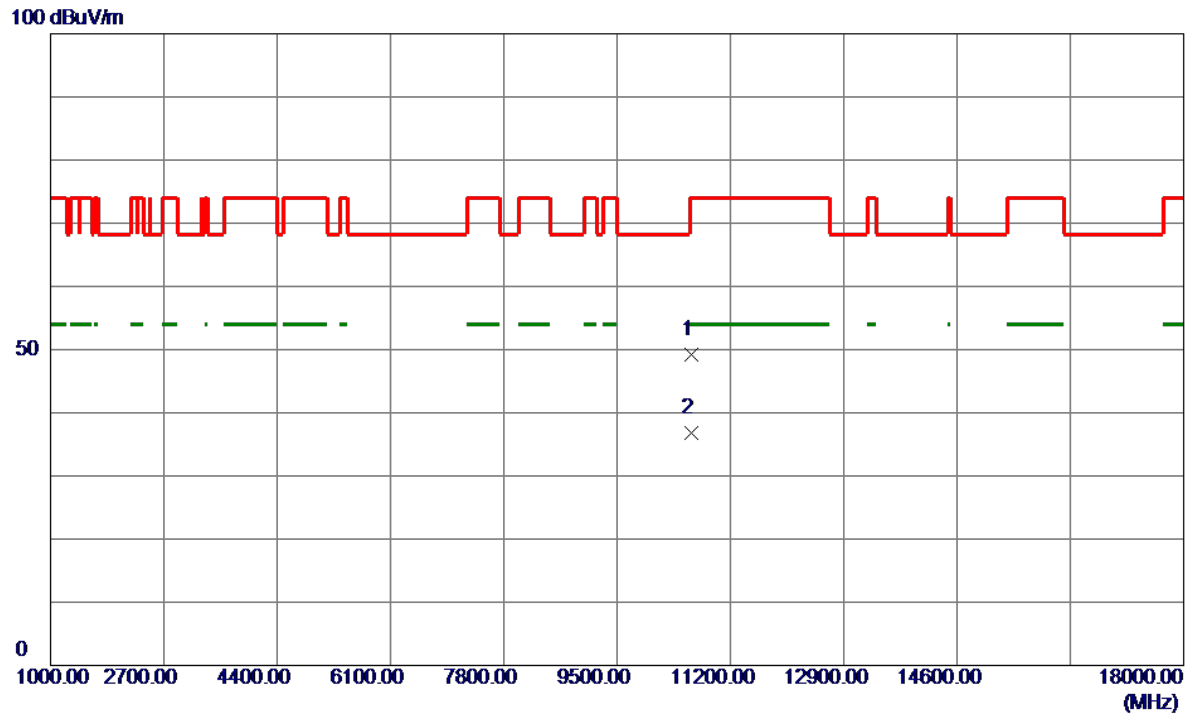


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5306.2000	98.62	15.09	113.71	68.20	45.51	Peak	No Limit
2	5311.0000	80.62	15.11	95.73	999.00	-903.27	AVG	No Limit
3	5350.0000	42.30	15.23	57.53	74.00	-16.47	Peak	
4	5350.0000	31.58	15.23	46.81	54.00	-7.19	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE40) Mode 5310 MHz	Polarization	Vertical
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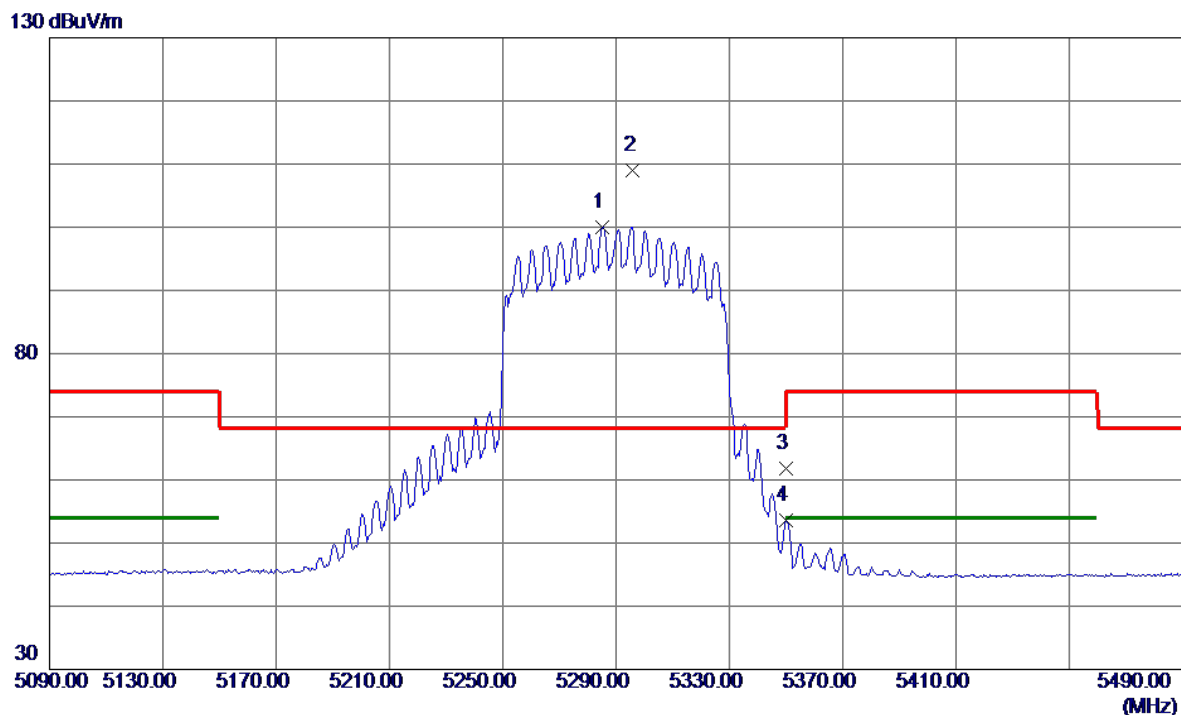


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10610.4000	38.02	11.18	49.20	74.00	-24.80	Peak	
2 *	10620.5300	25.63	11.19	36.82	54.00	-17.18	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE80) Mode 5290 MHz	Polarization	Vertical
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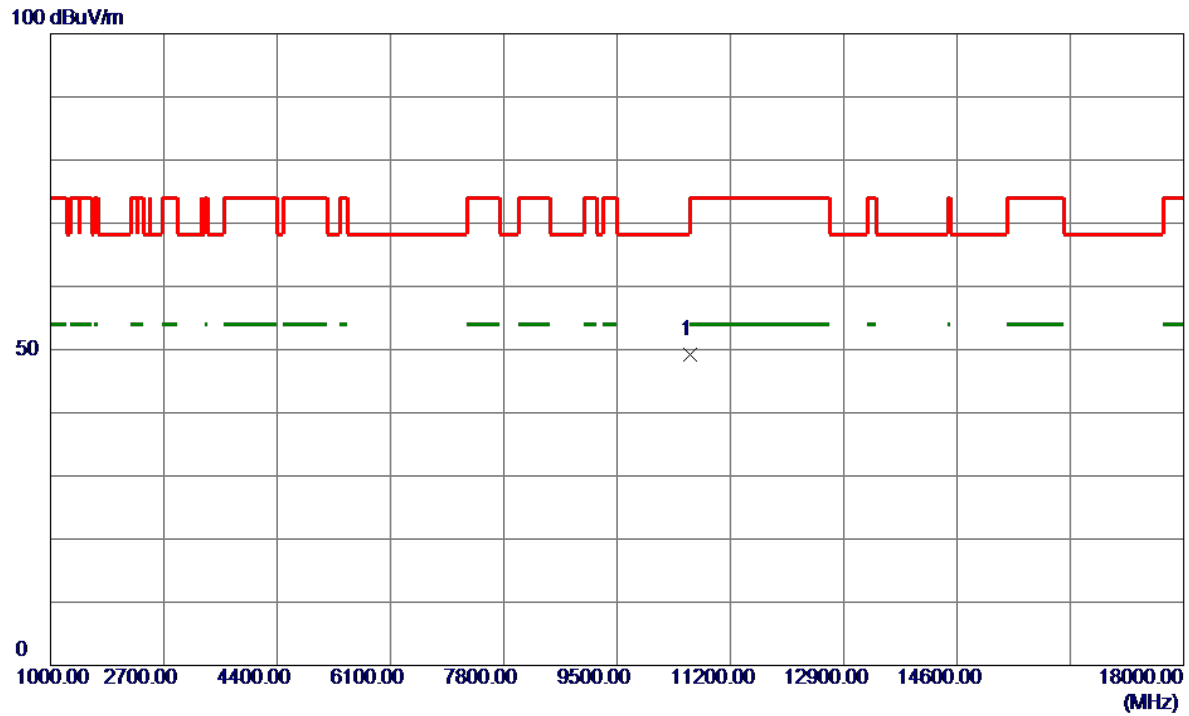


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5285.2000	85.00	15.02	100.02	999.00	-898.98	AVG	No Limit
2 *	5296.0000	93.99	15.06	109.05	68.20	40.85	Peak	No Limit
3	5350.0000	46.49	15.23	61.72	74.00	-12.28	Peak	
4	5350.0000	38.28	15.23	53.51	54.00	-0.49	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX AX(HE80) Mode 5290 MHz	Polarization	Vertical
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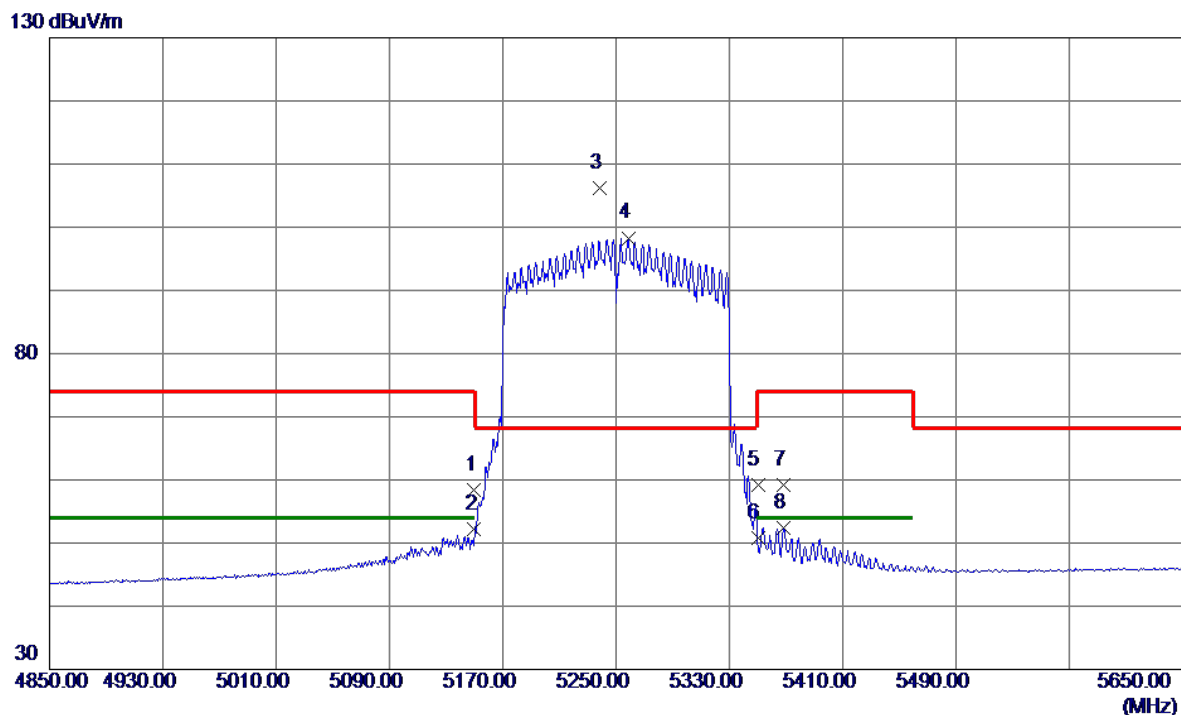


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10598.6000	38.00	11.17	49.17	68.20	-19.03	Peak	

REMARKS:

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

Test Mode	UNII-1+UNII-2A_TX AX(HE160) Mode 5250 MHz	Polarization	Vertical
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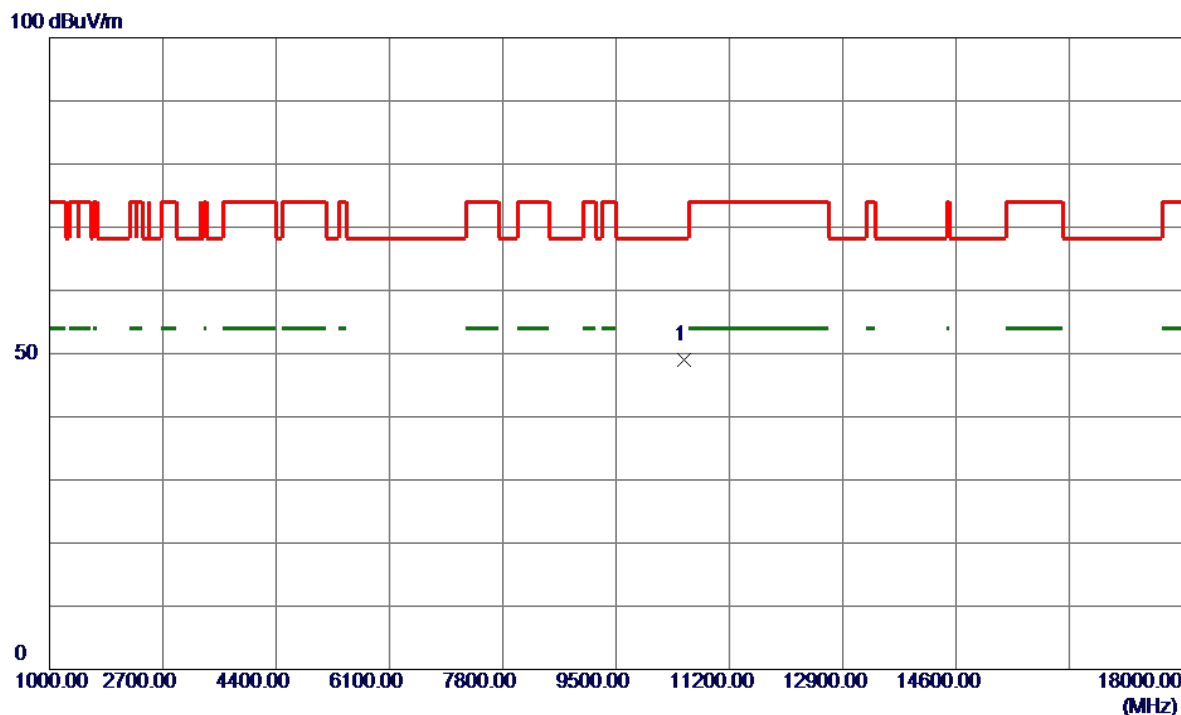


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	43.74	14.57	58.31	74.00	-15.69	Peak	
2	5150.0000	37.59	14.57	52.16	54.00	-1.84	AVG	
3 *	5238.8000	91.30	14.87	106.17	68.20	37.97	Peak	No Limit
4	5258.8000	83.37	14.93	98.30	999.00	-900.70	AVG	No Limit
5	5350.0000	44.06	15.23	59.29	74.00	-14.71	Peak	
6	5350.0000	35.64	15.23	50.87	54.00	-3.13	AVG	
7	5368.4000	43.91	15.30	59.21	74.00	-14.79	Peak	
8	5368.4000	37.07	15.30	52.37	54.00	-1.63	AVG	

REMARKS:

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

Test Mode	UNII-1+UNII-2A_TX AX(HE160) Mode 5250 MHz	Polarization	Vertical
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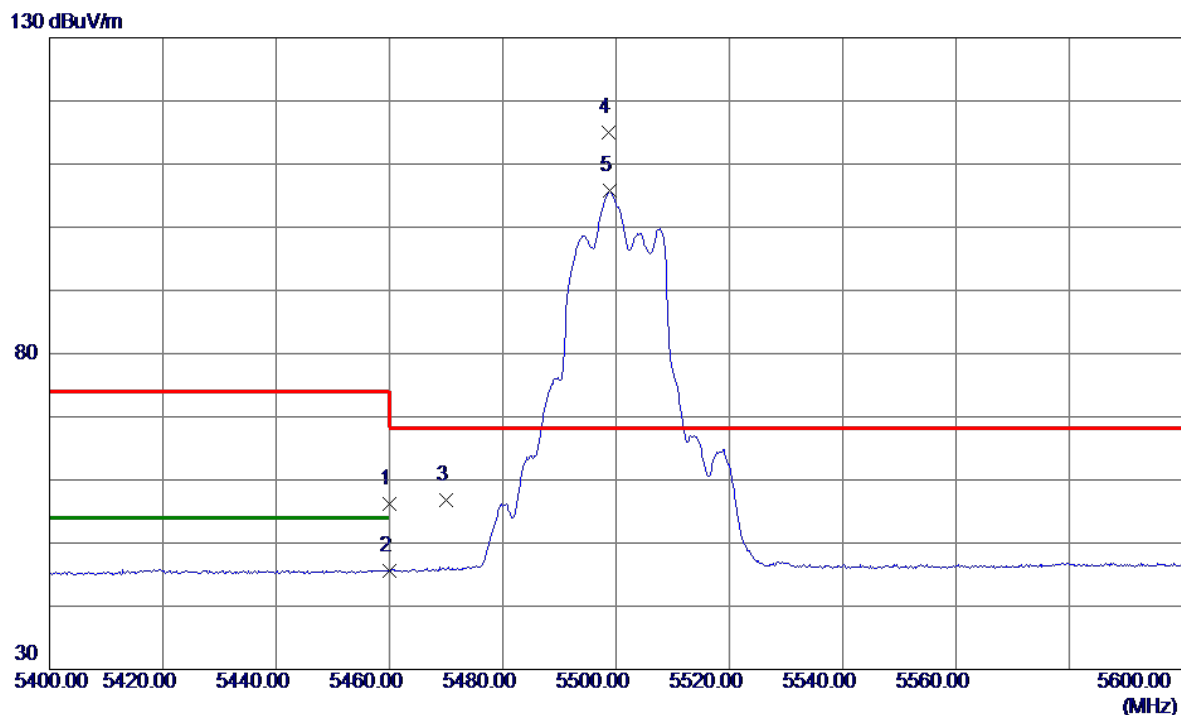


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10517.2000	37.82	11.10	48.92	68.20	-19.28	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5500 MHz	Polarization	Vertical
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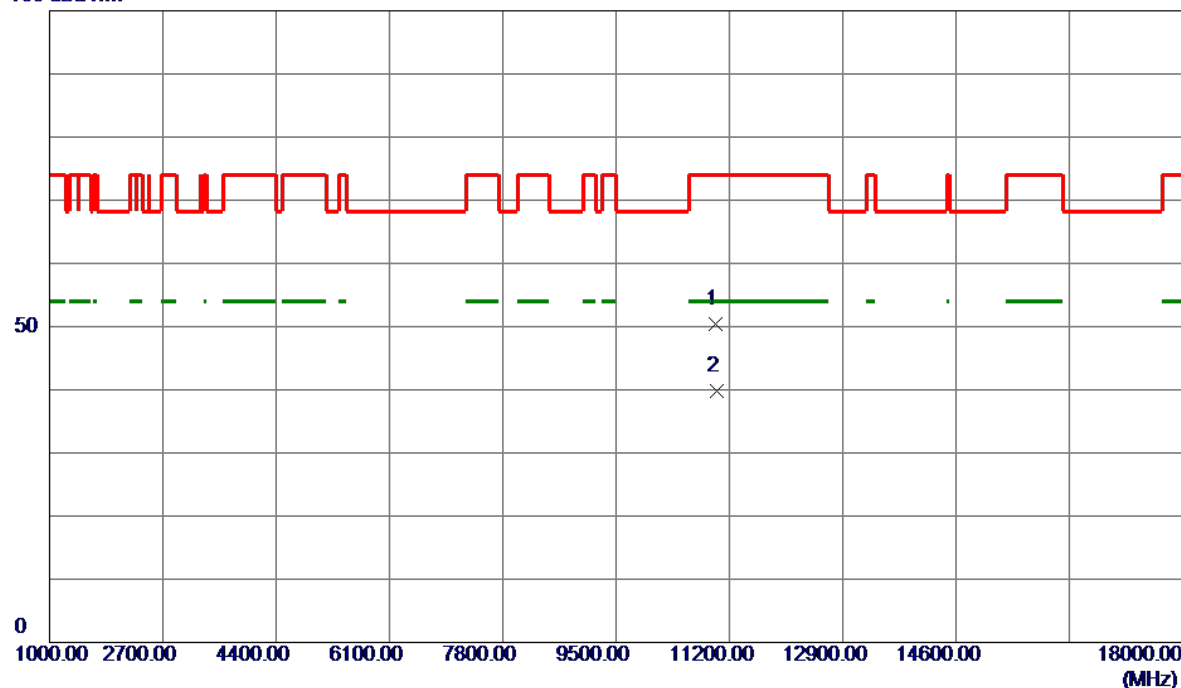
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	40.53	15.60	56.13	74.00	-17.87	Peak	
2	5460.0000	30.04	15.60	45.64	54.00	-8.36	AVG	
3	5470.0000	41.18	15.63	56.81	68.20	-11.39	Peak	
4 *	5498.6000	99.34	15.73	115.07	68.20	46.87	Peak	No Limit
5	5498.8000	89.99	15.73	105.72	999.00	-893.28	AVG	No Limit

REMARKS:

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

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



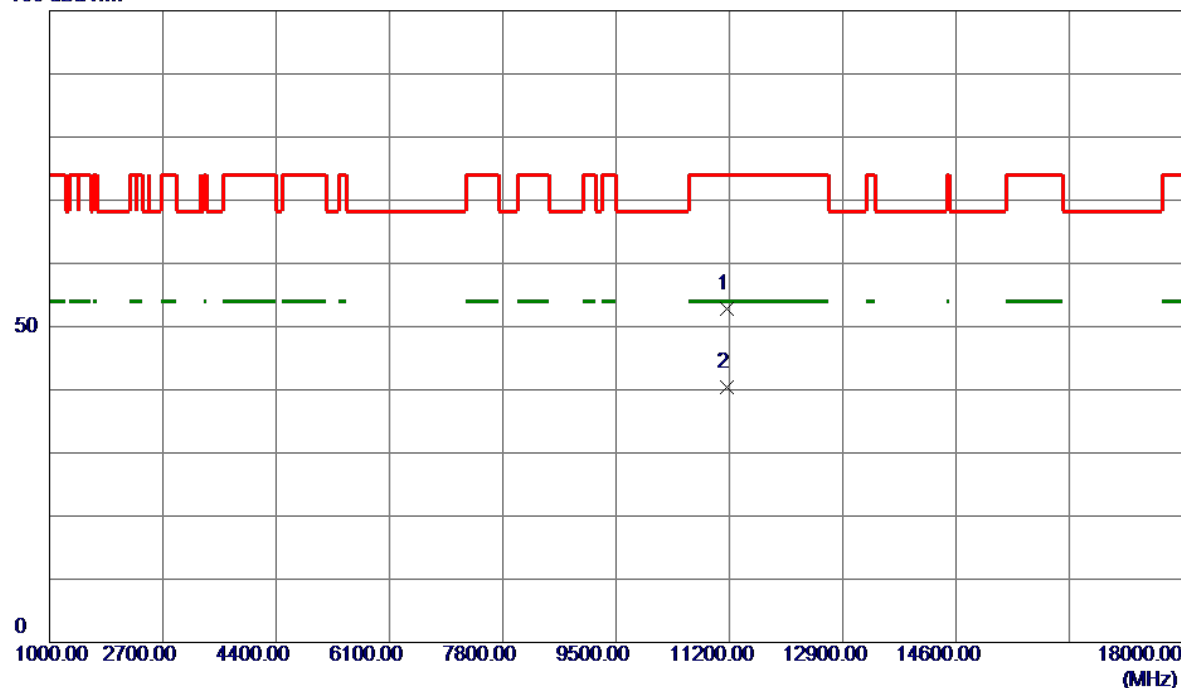
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10998.4000	38.90	11.49	50.39	74.00	-23.61	Peak	
2 *	11002.4000	28.38	11.49	39.87	54.00	-14.13	AVG	

REMARKS:

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

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

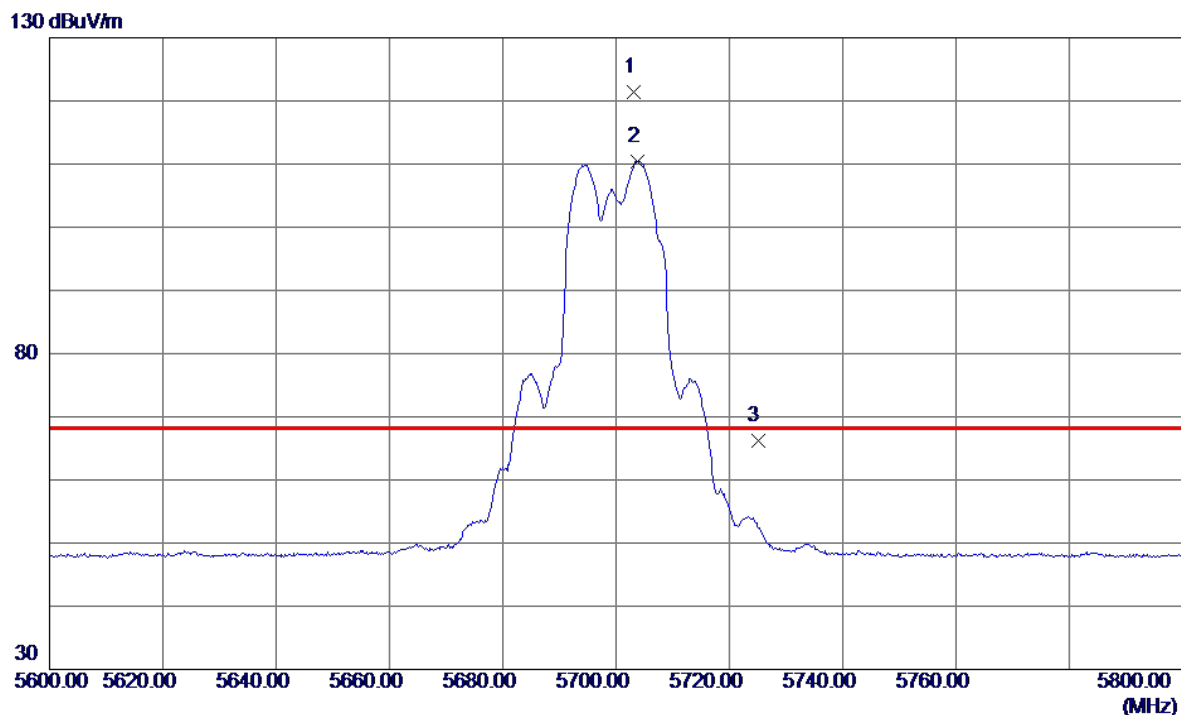


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11160.6000	41.28	11.45	52.73	74.00	-21.27	Peak	
2 *	11160.6000	29.02	11.45	40.47	54.00	-13.53	AVG	

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
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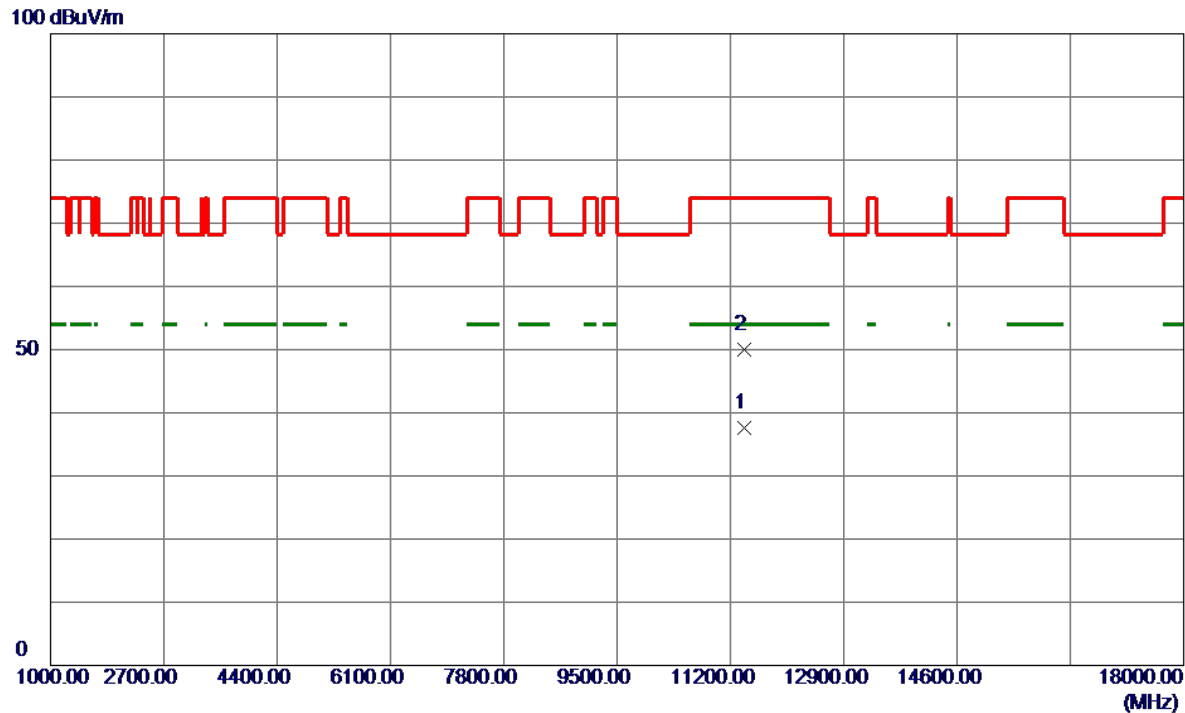


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5703.2000	105.51	15.94	121.45	68.20	53.25	Peak	No Limit
2	5703.8000	94.53	15.94	110.47	999.00	-888.53	AVG	No Limit
3	5725.0000	50.31	15.96	66.27	68.20	-1.93	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5700 MHz	Polarization	Vertical
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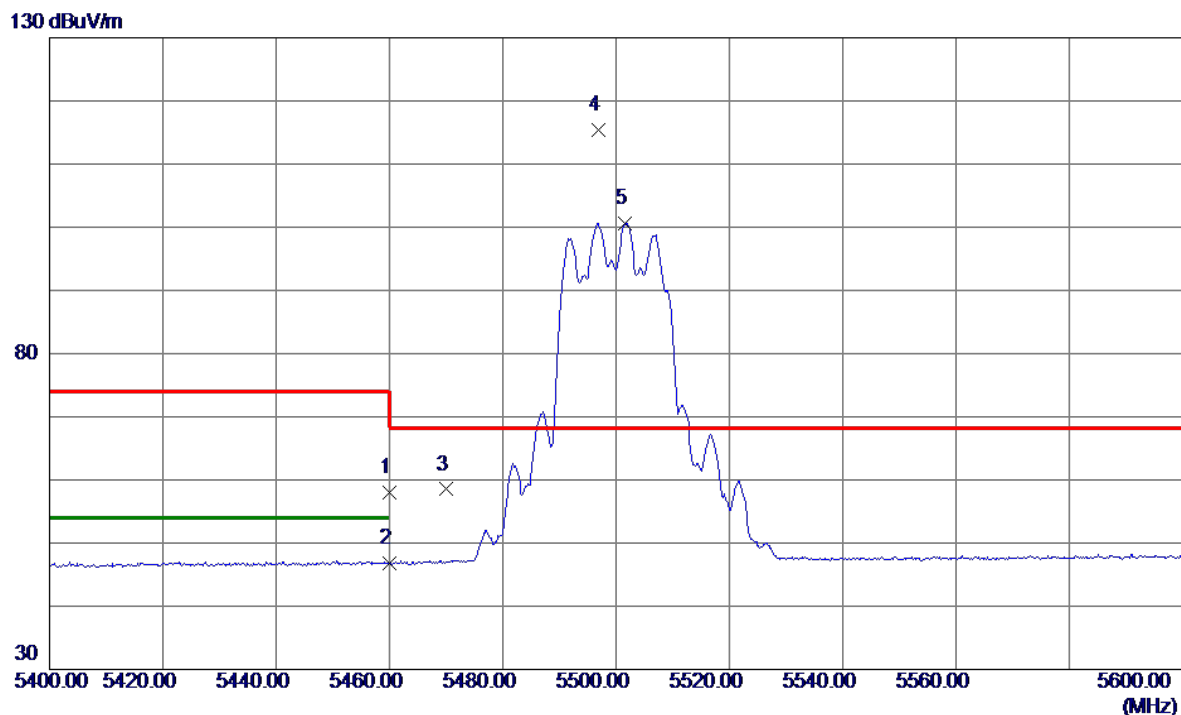


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11402.6000	26.27	11.39	37.66	54.00	-16.34	AVG	
2	11403.8000	38.55	11.38	49.93	74.00	-24.07	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE20) Mode 5500 MHz	Polarization	Vertical
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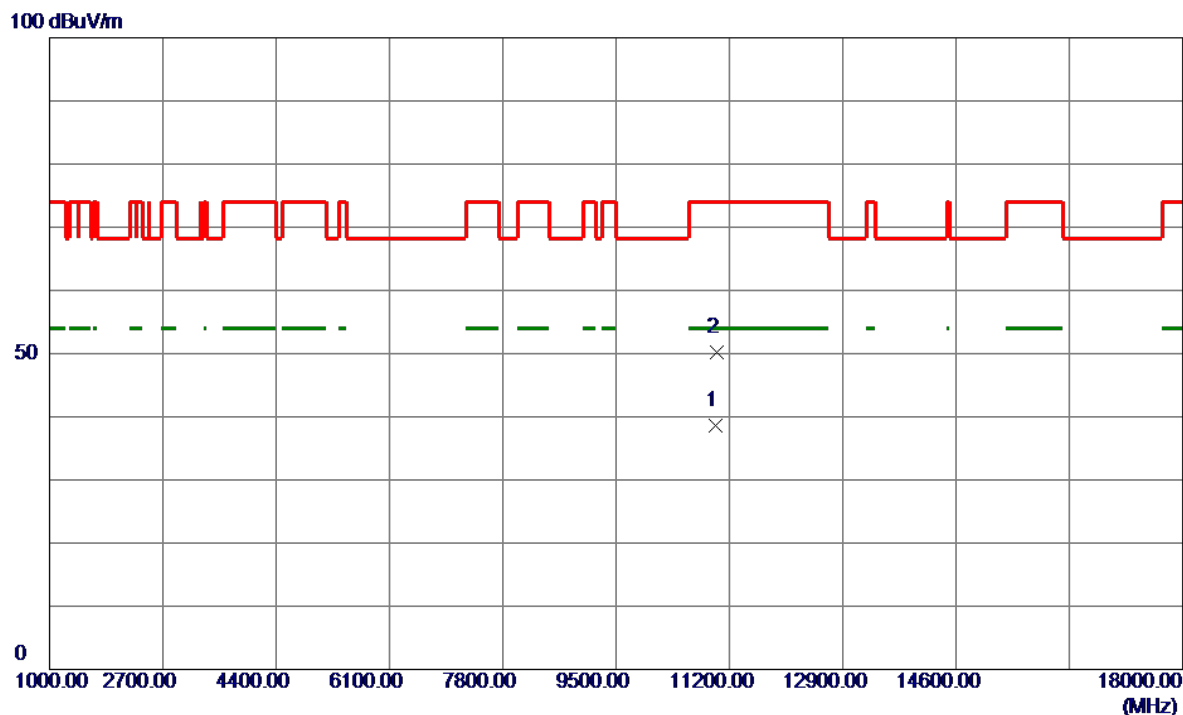


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	42.37	15.60	57.97	74.00	-16.03	Peak	
2	5460.0000	31.23	15.60	46.83	54.00	-7.17	AVG	
3	5470.0000	42.87	15.63	58.50	68.20	-9.70	Peak	
4 *	5496.8000	99.66	15.72	115.38	68.20	47.18	Peak	No Limit
5	5501.6000	84.86	15.73	100.59	999.00	-898.41	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE20) Mode 5500 MHz	Polarization	Vertical
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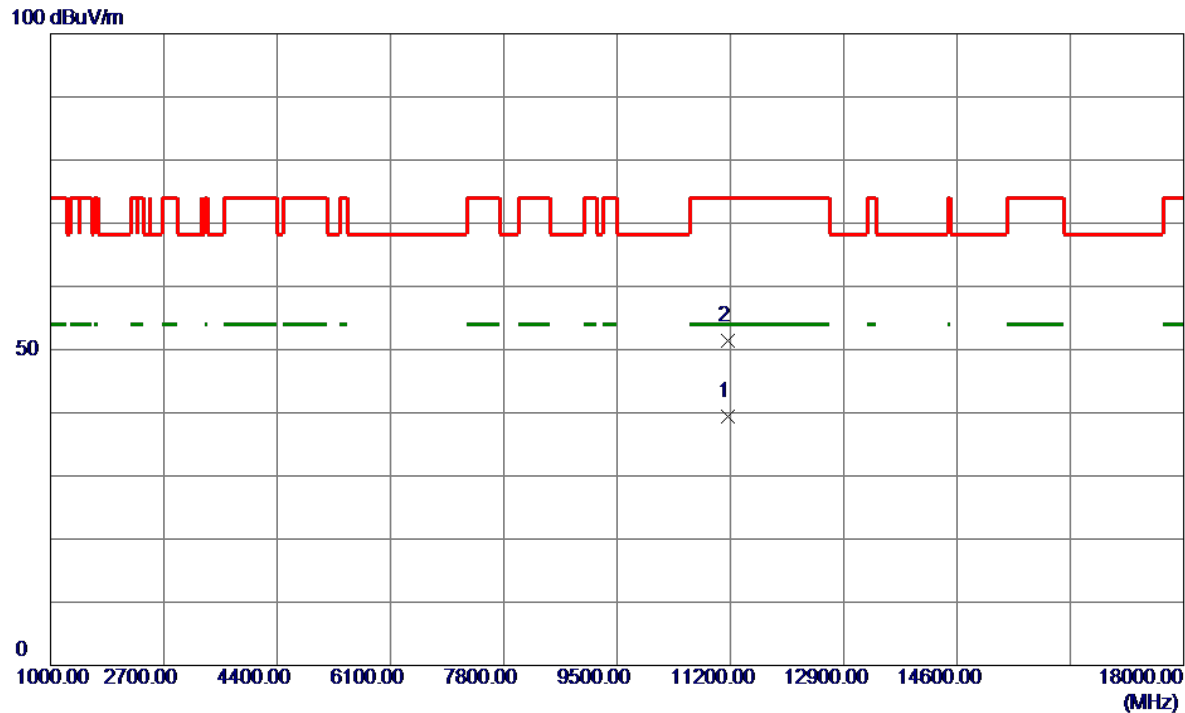


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10996.0000	27.05	11.49	38.54	54.00	-15.46	AVG	
2	11006.0000	38.64	11.49	50.13	74.00	-23.87	Peak	

REMARKS:

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

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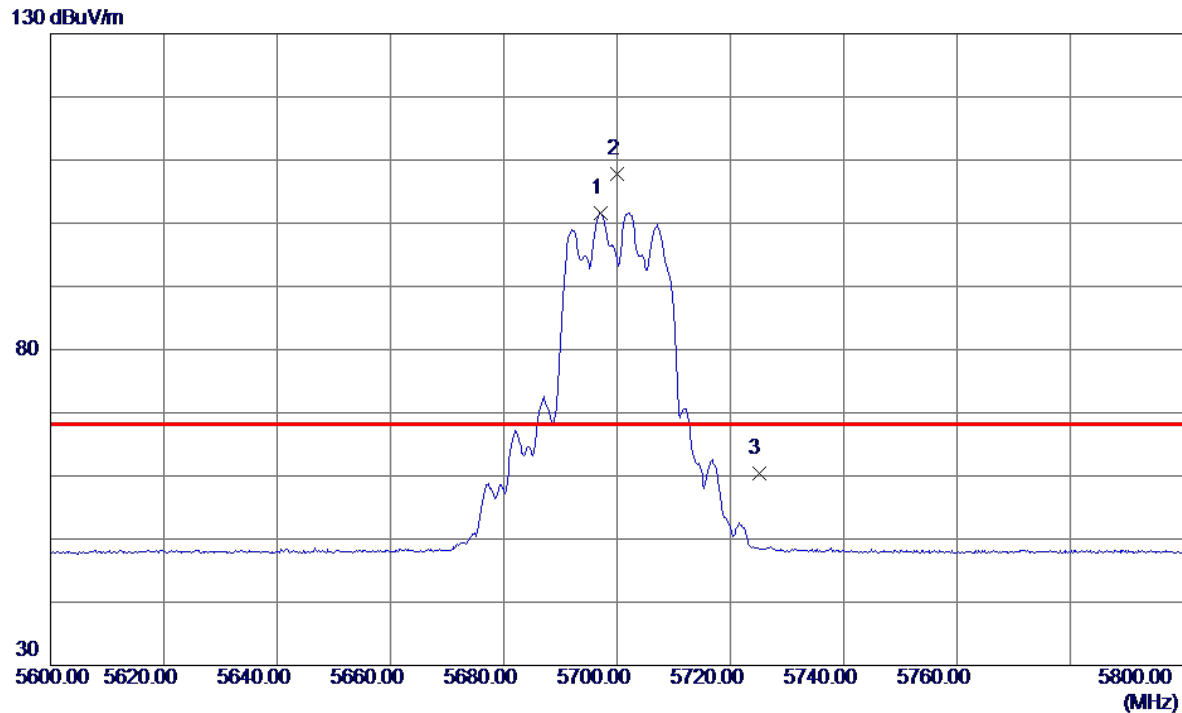


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11162.0000	27.87	11.45	39.32	54.00	-14.68	AVG	
2	11163.0000	40.01	11.45	51.46	74.00	-22.54	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE20) Mode 5700 MHz	Polarization	Vertical
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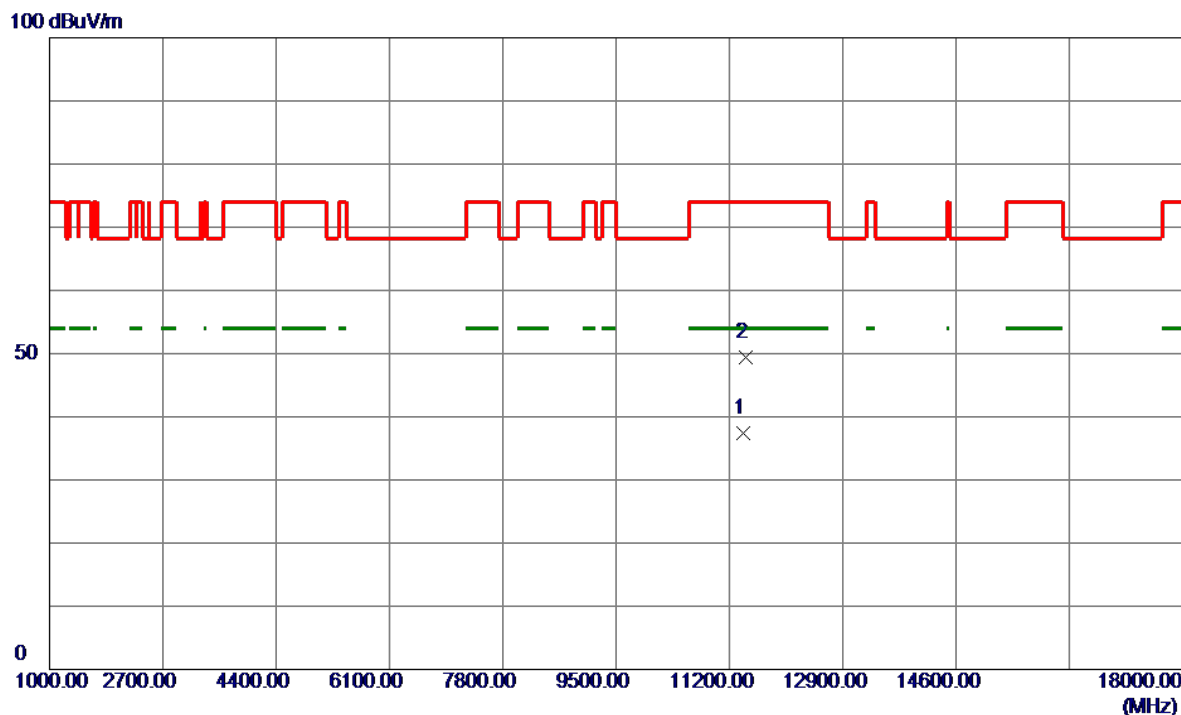


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5697.2000	85.76	15.93	101.69	999.00	-897.31	AVG	No Limit
2 *	5700.0000	91.87	15.93	107.80	68.20	39.60	Peak	No Limit
3	5725.0000	44.47	15.96	60.43	68.20	-7.77	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE20) Mode 5700 MHz	Polarization	Vertical
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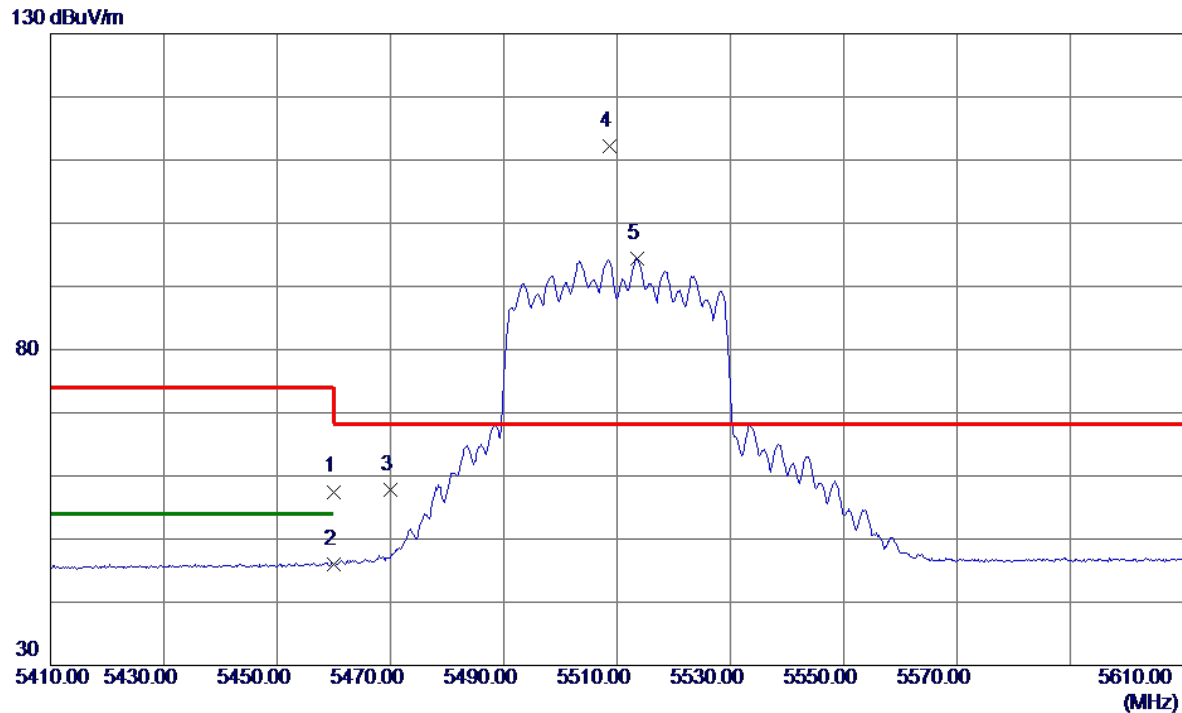


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11399.2000	25.99	11.39	37.38	54.00	-16.62	AVG	
2	11448.4000	38.05	11.37	49.42	74.00	-24.58	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE40) Mode 5510 MHz	Polarization	Vertical
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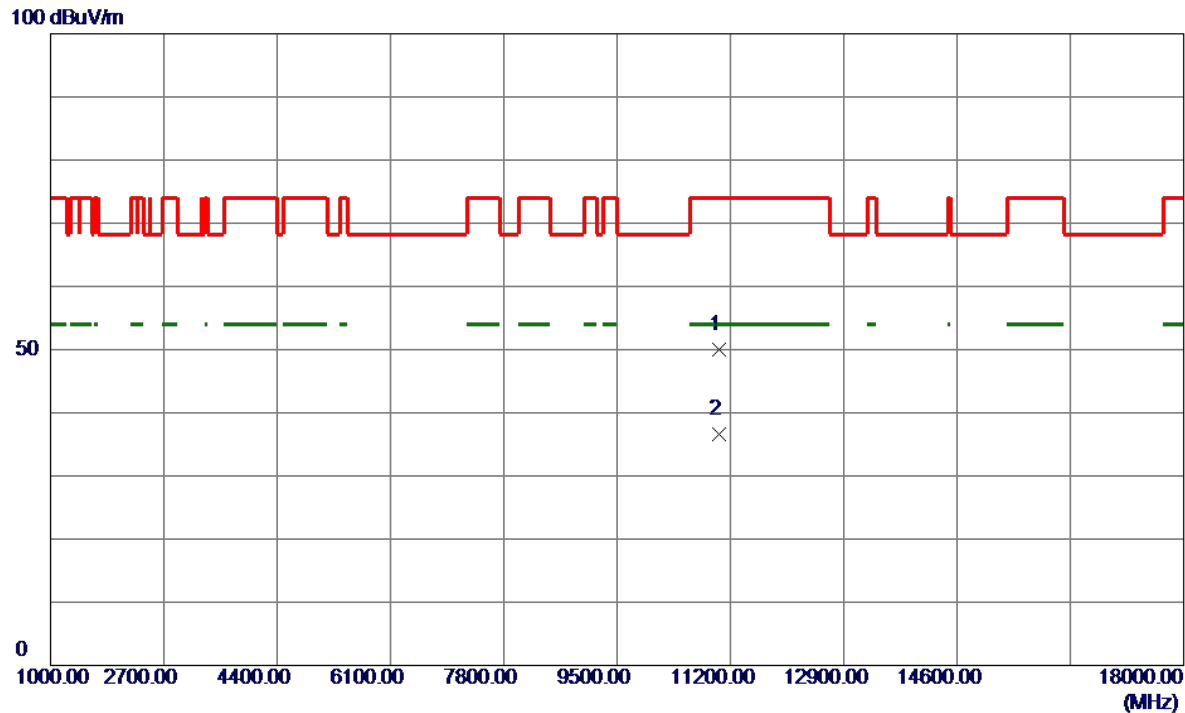


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	41.90	15.60	57.50	74.00	-16.50	Peak	
2	5460.0000	30.47	15.60	46.07	54.00	-7.93	AVG	
3	5470.0000	42.18	15.63	57.81	68.20	-10.39	Peak	
4 *	5508.6000	96.48	15.74	112.22	68.20	44.02	Peak	No Limit
5	5513.6000	78.66	15.74	94.40	999.00	-904.60	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE40) Mode 5510 MHz	Polarization	Vertical
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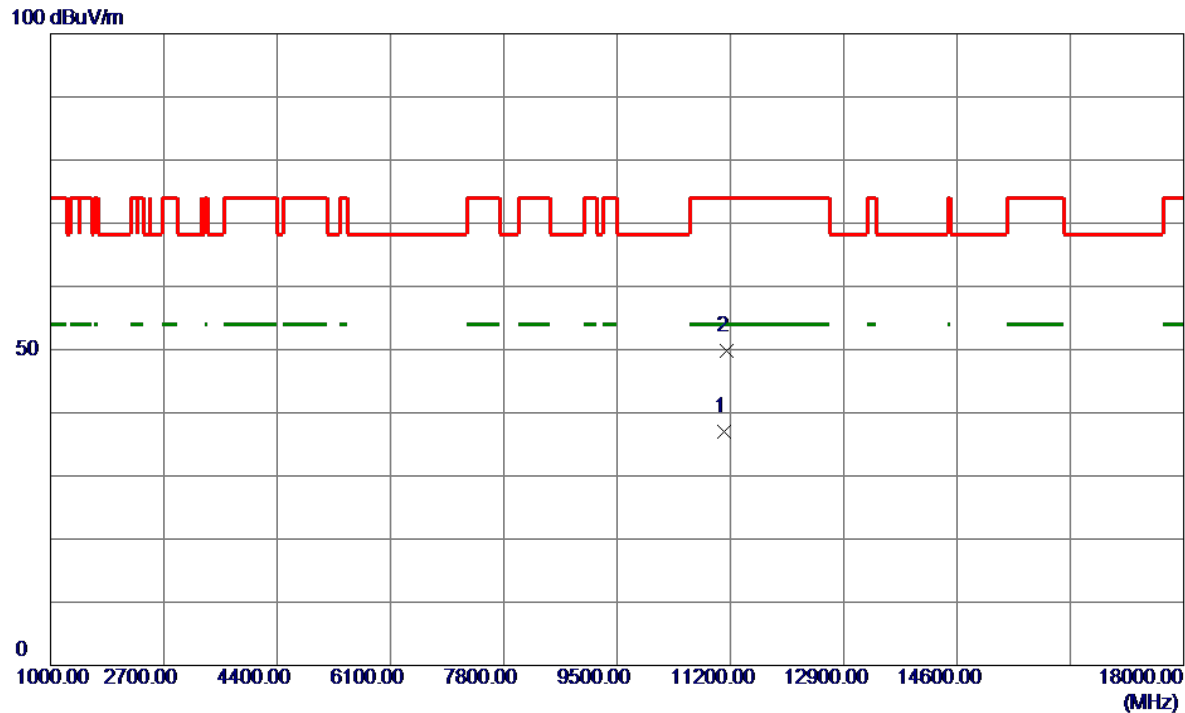


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11024.9000	38.58	11.48	50.06	74.00	-23.94	Peak	
2 *	11038.5000	25.14	11.48	36.62	54.00	-17.38	AVG	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE40) Mode 5550 MHz	Polarization	Vertical
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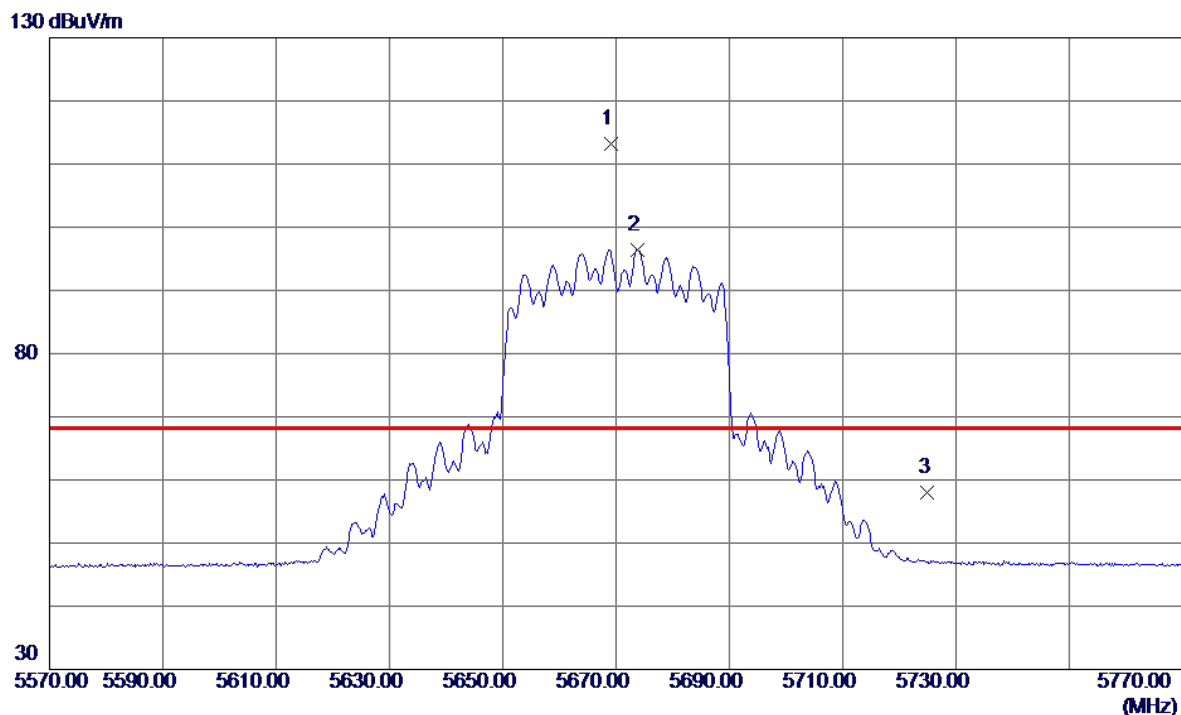


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11099.9000	25.61	11.46	37.07	54.00	-16.93	AVG	
2	11136.9000	38.32	11.45	49.77	74.00	-24.23	Peak	

REMARKS:

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

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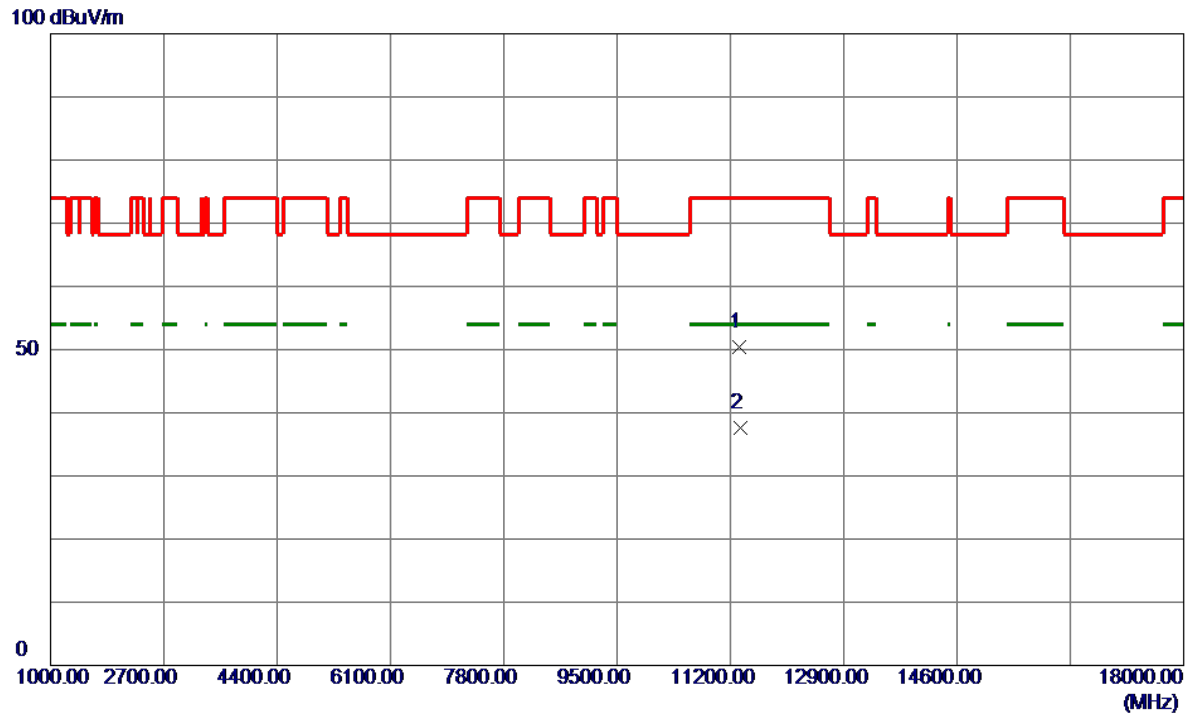


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5669.2000	97.26	15.90	113.16	68.20	44.96	Peak	No Limit
2	5673.8000	80.52	15.91	96.43	999.00	-902.57	AVG	No Limit
3	5725.0000	42.09	15.96	58.05	68.20	-10.15	Peak	

REMARKS:

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

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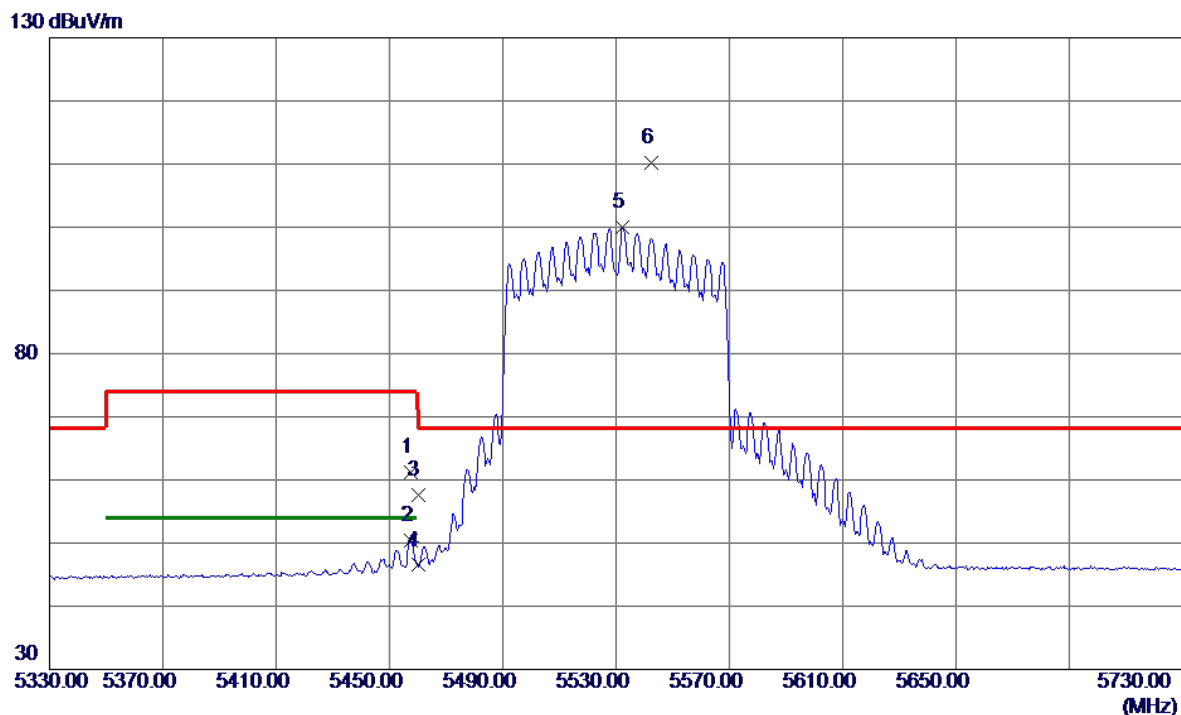


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11336.4000	38.97	11.40	50.37	74.00	-23.63	Peak	
2 *	11341.8000	26.26	11.40	37.66	54.00	-16.34	AVG	

REMARKS:

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

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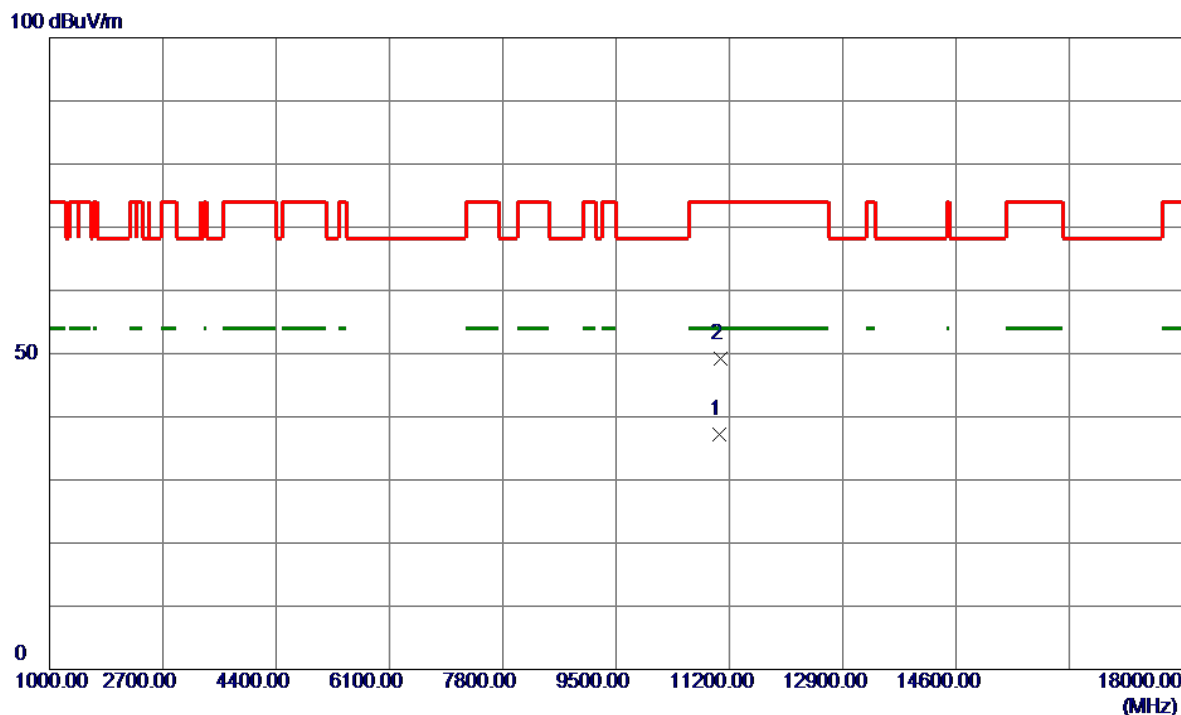


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5457.6000	45.53	15.59	61.12	74.00	-12.88	Peak	
2	5457.6000	34.79	15.59	50.38	54.00	-3.62	AVG	
3	5460.0000	41.92	15.60	57.52	74.00	-16.48	Peak	
4	5460.0000	30.90	15.60	46.50	54.00	-7.50	AVG	
5	5532.4000	84.30	15.76	100.06	999.00	-898.94	AVG	No Limit
6 *	5542.4000	94.45	15.77	110.22	68.20	42.02	Peak	No Limit

REMARKS:

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

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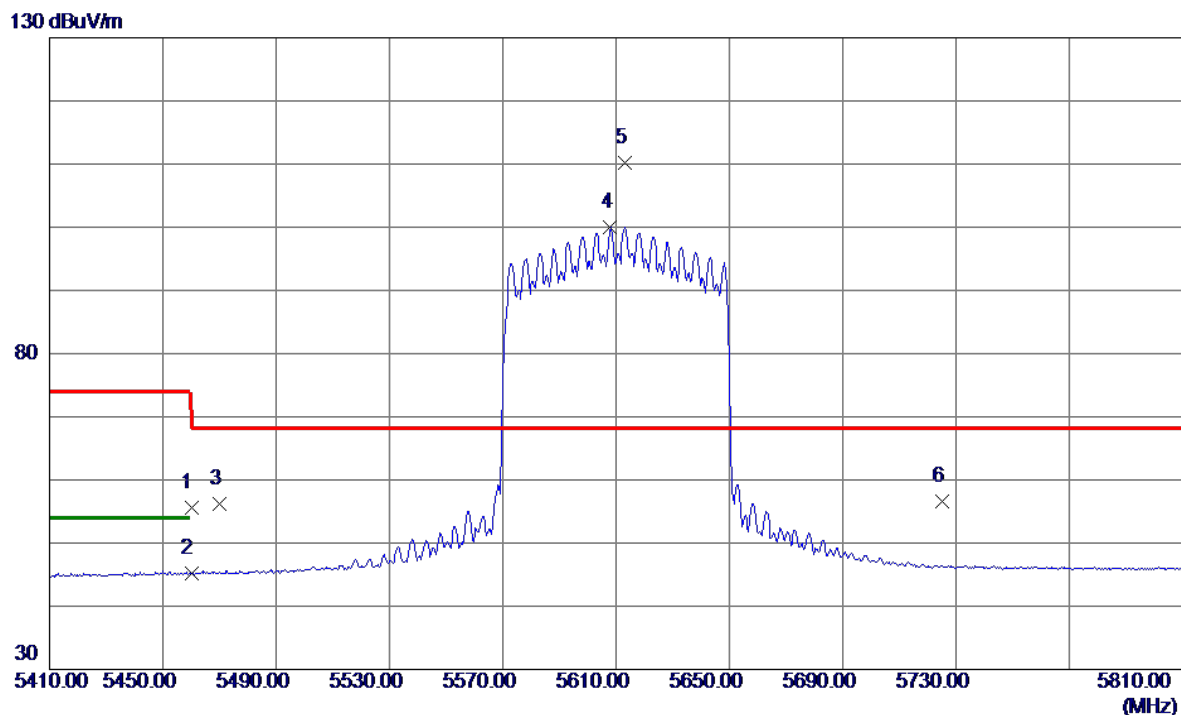


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11051.0000	25.72	11.48	37.20	54.00	-16.80	AVG	
2	11071.8000	37.74	11.47	49.21	74.00	-24.79	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE80) Mode 5610 MHz	Polarization	Vertical
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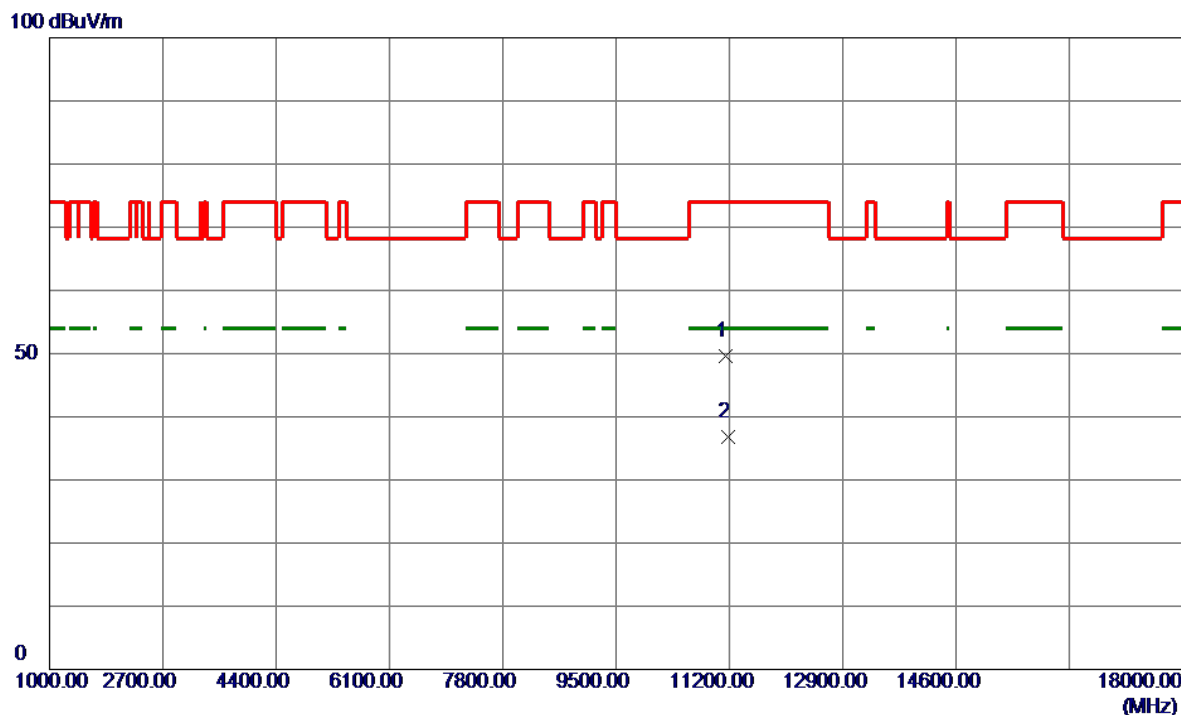


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	40.06	15.60	55.66	74.00	-18.34	Peak	
2	5460.0000	29.61	15.60	45.21	54.00	-8.79	AVG	
3	5470.0000	40.52	15.63	56.15	68.20	-12.05	Peak	
4	5608.0000	84.20	15.84	100.04	999.00	-898.96	AVG	No Limit
5 *	5613.2000	94.42	15.85	110.27	68.20	42.07	Peak	No Limit
6	5725.0000	40.56	15.96	56.52	68.20	-11.68	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE80) Mode 5610 MHz	Polarization	Vertical
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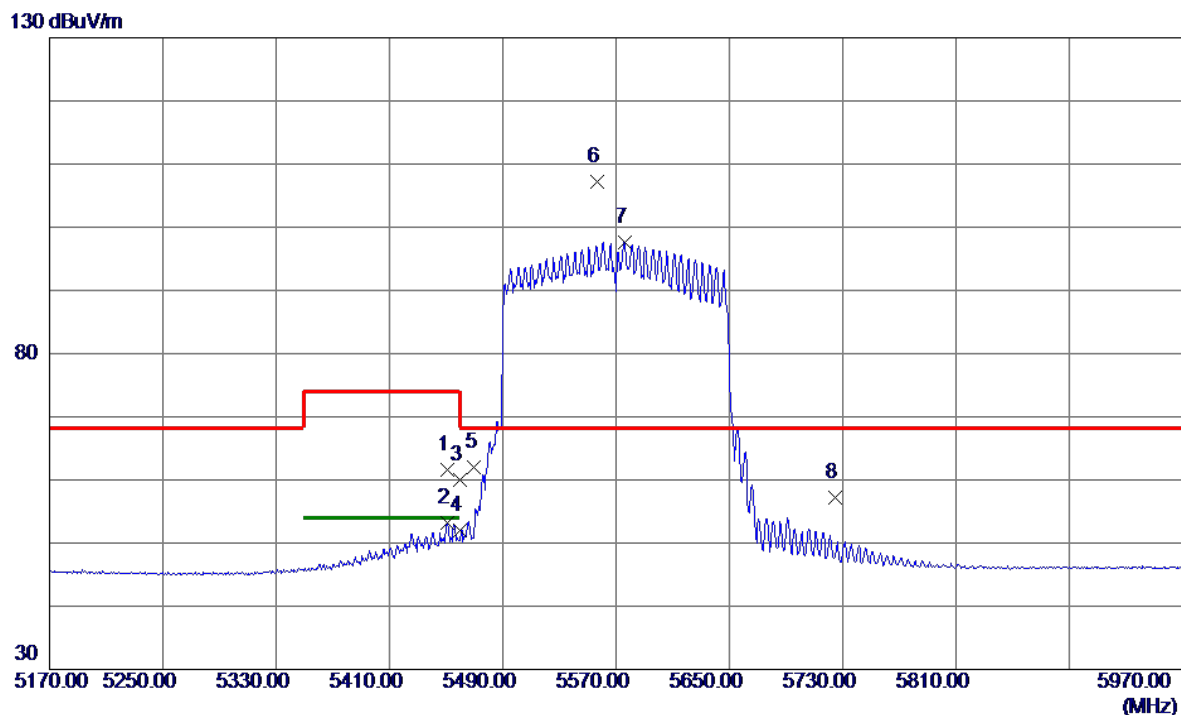


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11143.4000	38.23	11.45	49.68	74.00	-24.32	Peak	
2 *	11181.6000	25.38	11.44	36.82	54.00	-17.18	AVG	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE160) Mode 5570 MHz	Polarization	Vertical
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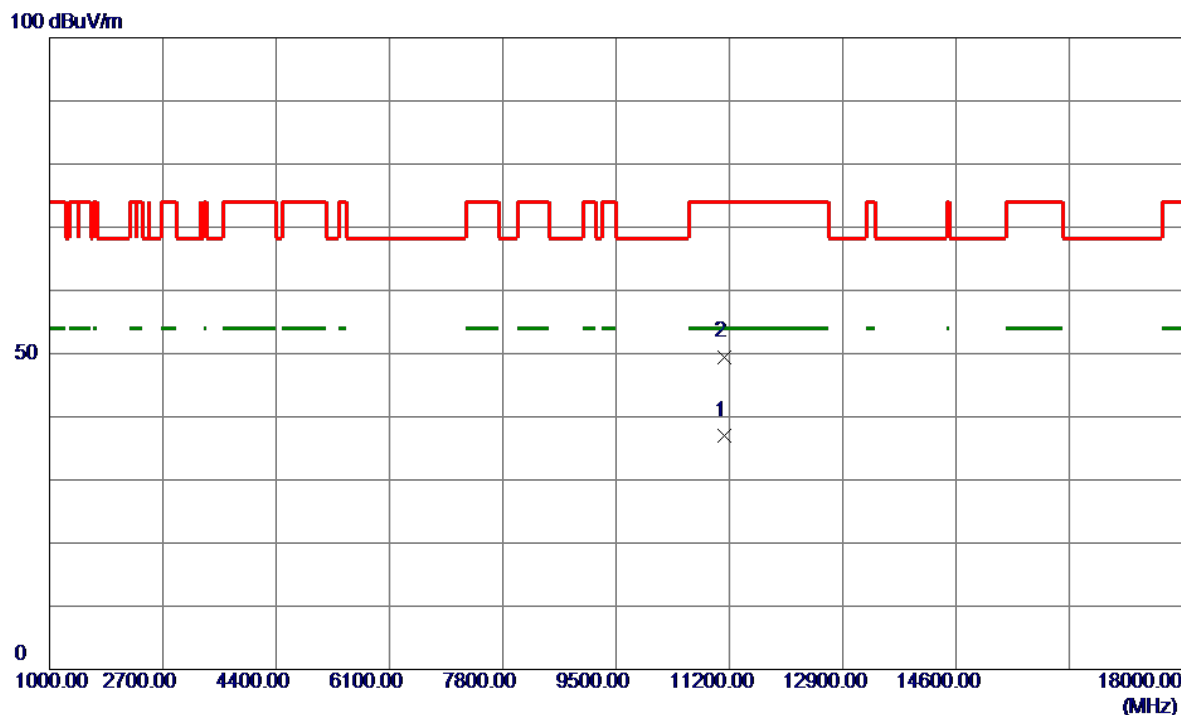


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5450.8000	46.11	15.57	61.68	74.00	-12.32	Peak	
2	5450.8000	37.56	15.57	53.13	54.00	-0.87	AVG	
3	5460.0000	44.48	15.60	60.08	74.00	-13.92	Peak	
4	5460.0000	36.32	15.60	51.92	54.00	-2.08	AVG	
5	5470.0000	46.42	15.63	62.05	68.20	-6.15	Peak	
6 *	5556.4000	91.47	15.79	107.26	68.20	39.06	Peak	No Limit
7	5576.4000	81.79	15.81	97.60	999.00	-901.40	AVG	No Limit
8	5725.0000	41.29	15.96	57.25	68.20	-10.95	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX AX(HE160) Mode 5570 MHz	Polarization	Vertical
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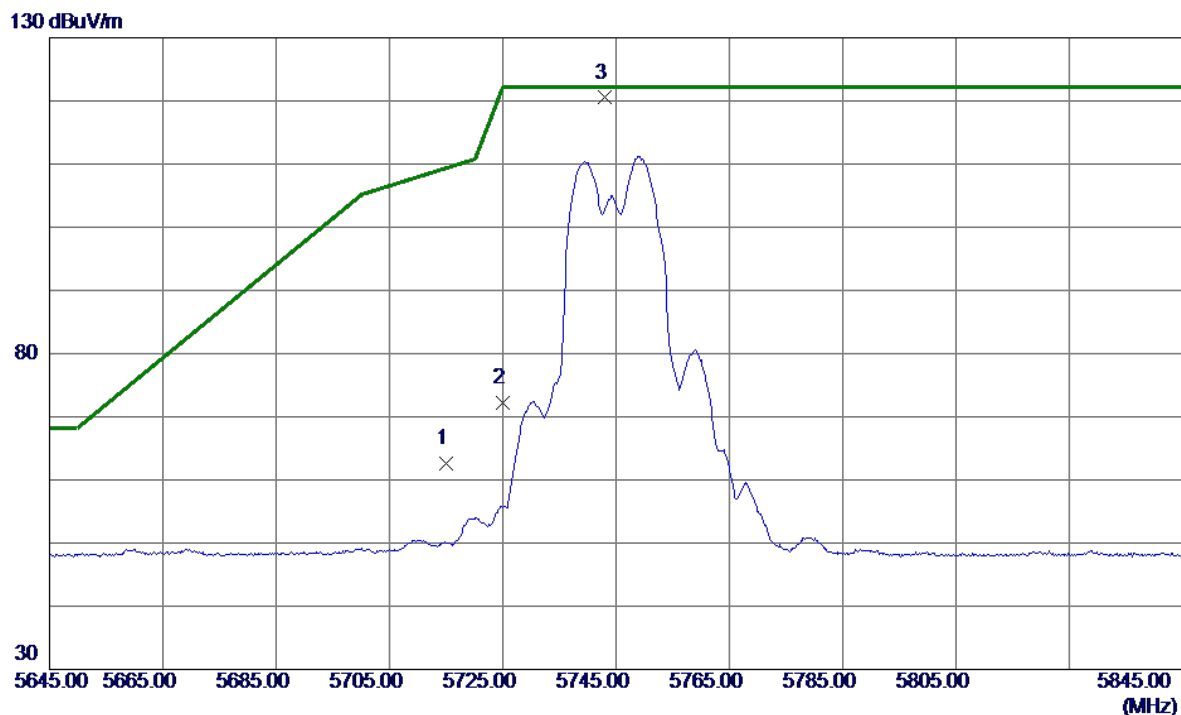


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11130.8000	25.63	11.46	37.09	54.00	-16.91	AVG	
2	11132.0000	38.04	11.46	49.50	74.00	-24.50	Peak	

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
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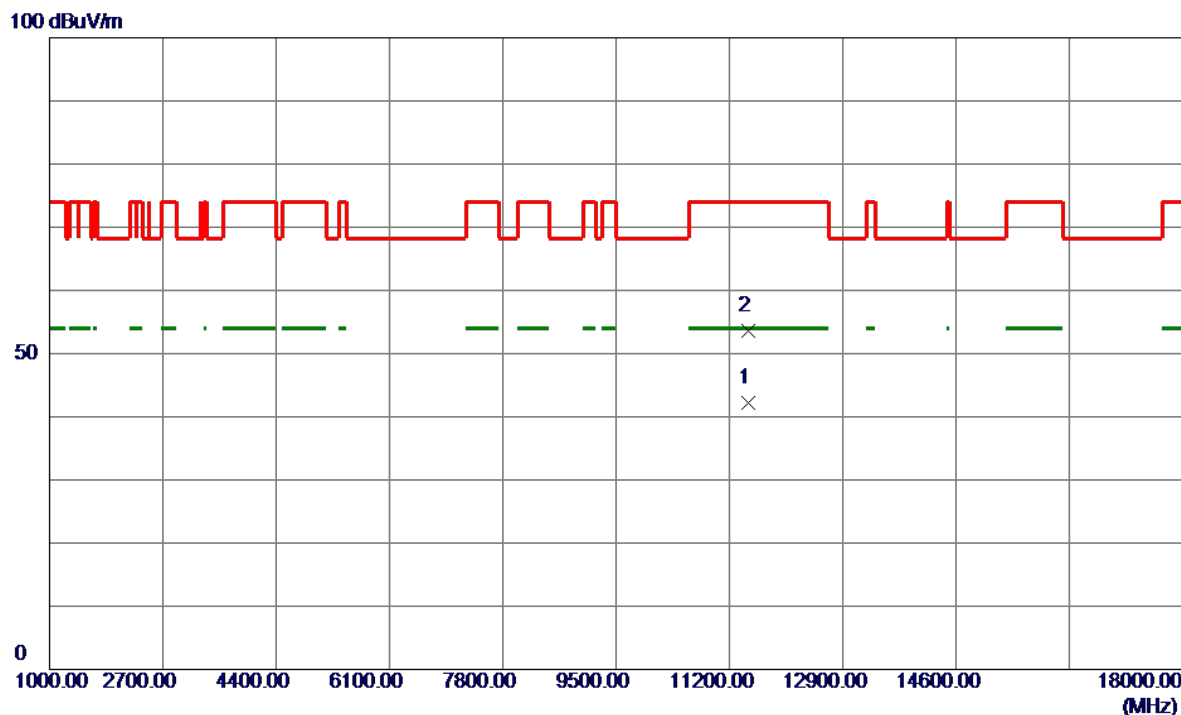


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	46.57	15.95	62.52	109.40	-46.88	Peak	
2	5725.0000	56.18	15.96	72.14	122.20	-50.06	Peak	
3 *	5743.0000	104.52	15.98	120.50	122.20	-1.70	Peak	No Limit

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	Vertical
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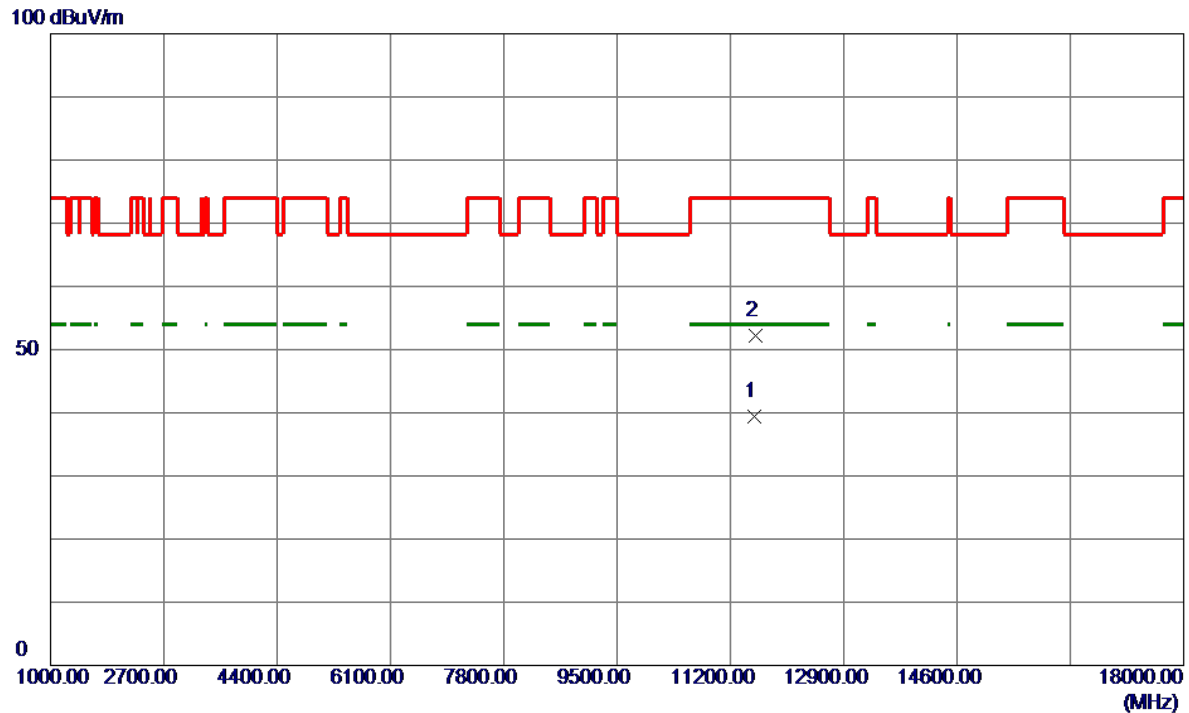


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11487.8000	30.76	11.36	42.12	54.00	-11.88	AVG	
2	11488.4000	42.30	11.36	53.66	74.00	-20.34	Peak	

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	Vertical
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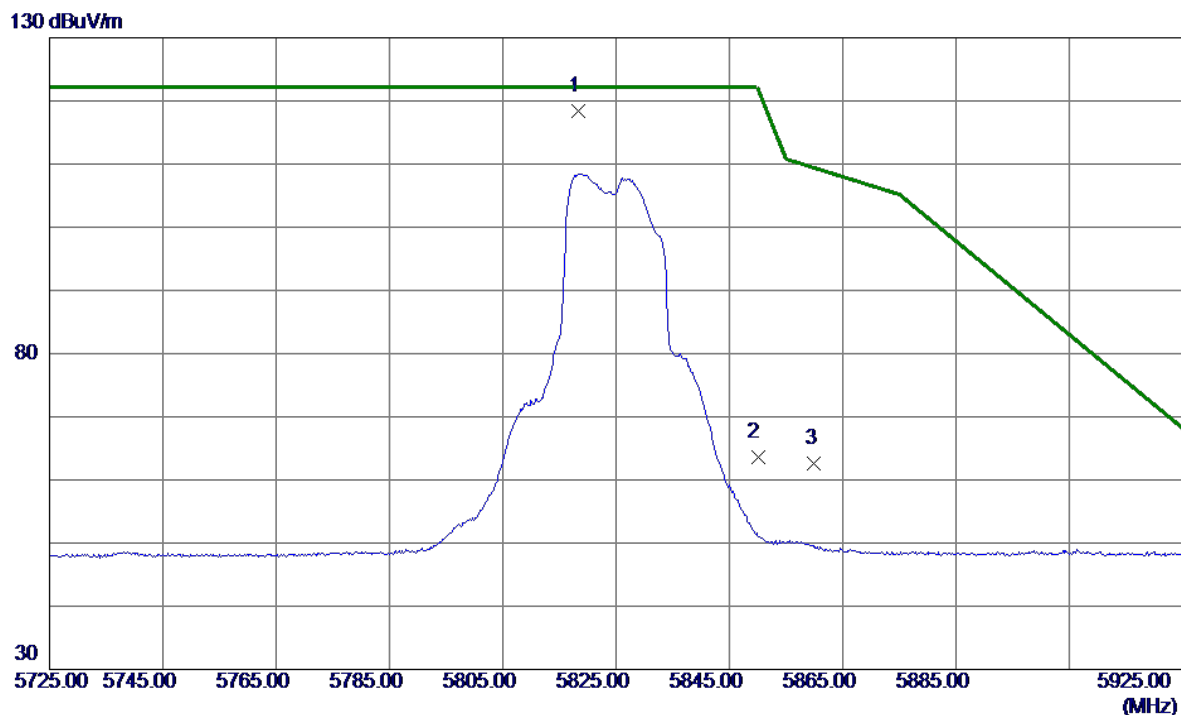


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11568.2000	28.01	11.34	39.35	54.00	-14.65	AVG	
2	11575.6000	40.83	11.33	52.16	74.00	-21.84	Peak	

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	Vertical
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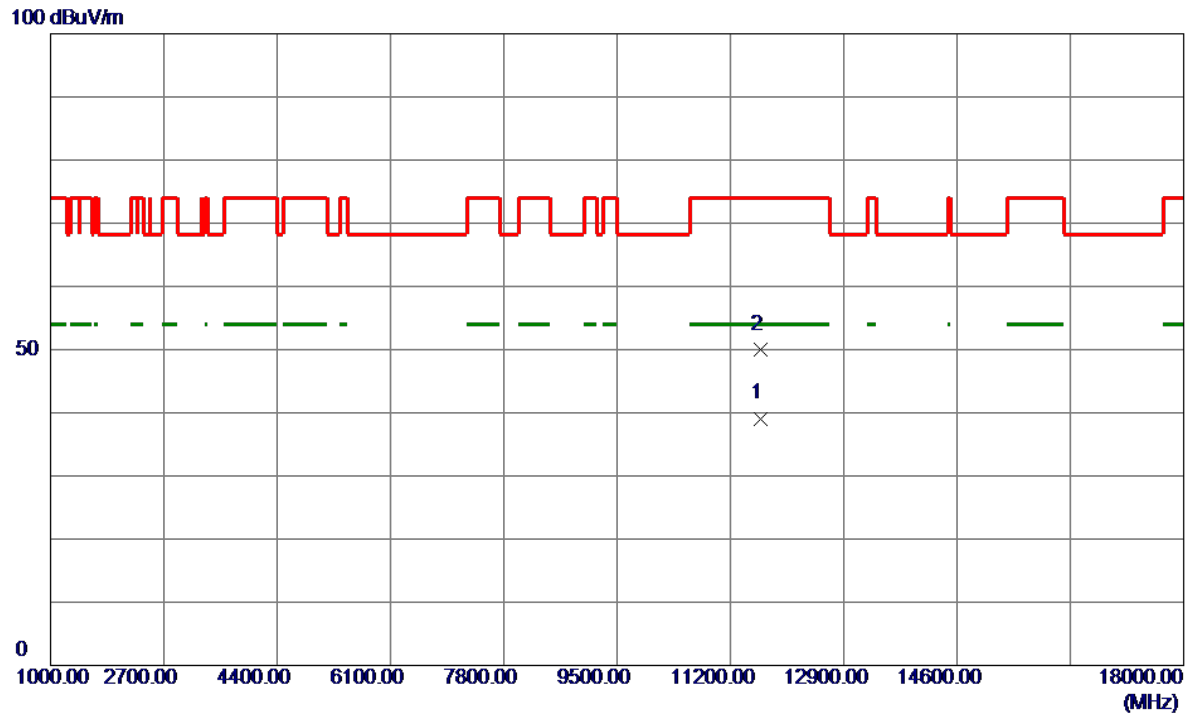


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5818.4000	102.33	16.05	118.38	122.20	-3.82	Peak	No Limit
2	5850.0000	47.55	16.09	63.64	122.20	-58.56	Peak	
3	5860.0000	46.58	16.10	62.68	109.40	-46.72	Peak	

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	Vertical
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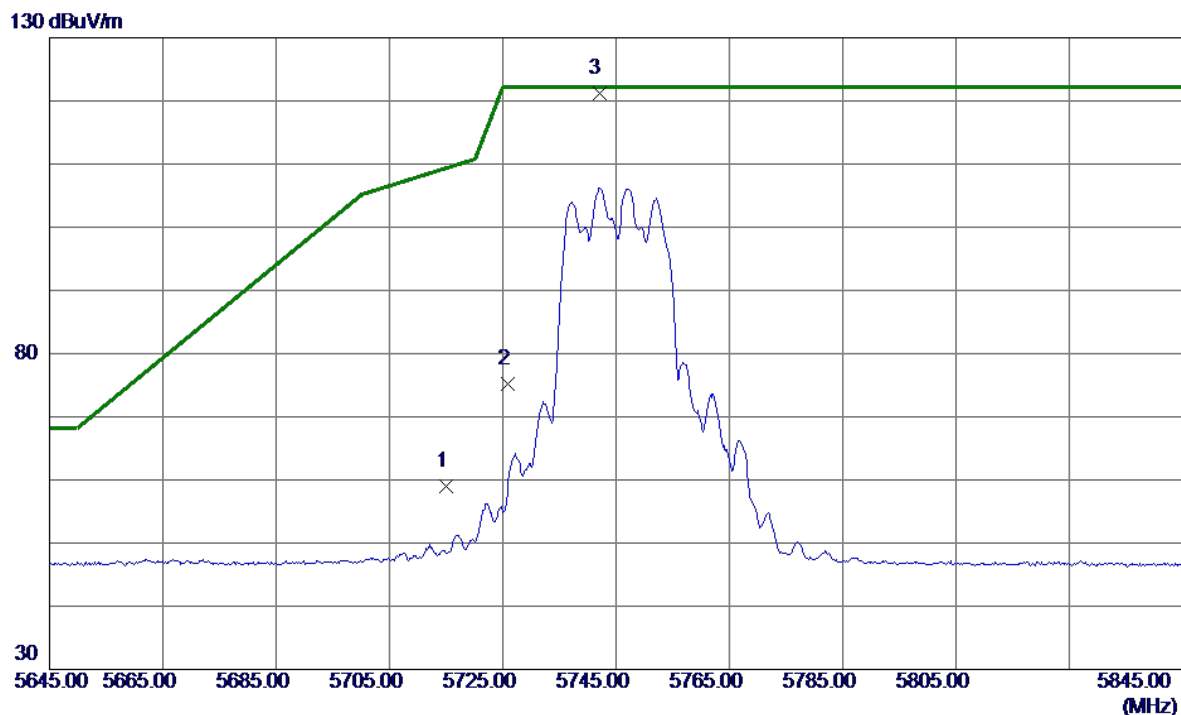


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11646.2000	27.79	11.31	39.10	54.00	-14.90	AVG	
2	11655.6000	38.75	11.31	50.06	74.00	-23.94	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE20) Mode 5745 MHz	Polarization	Vertical
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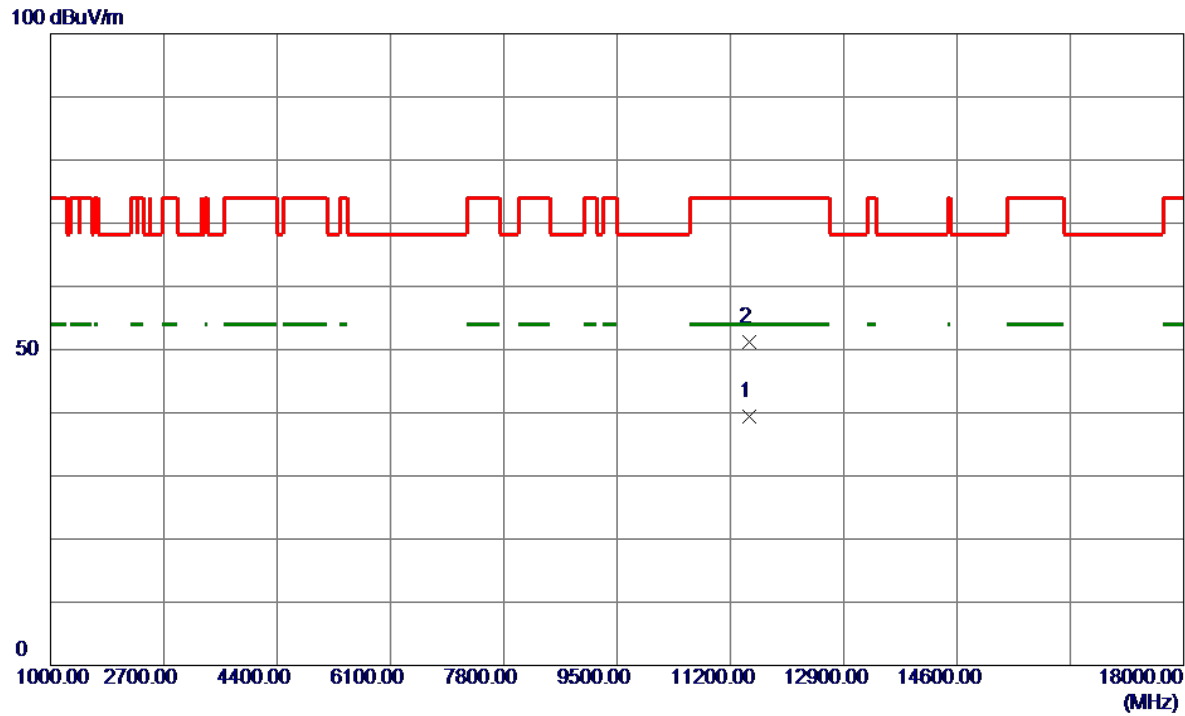


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	43.00	15.95	58.95	109.40	-50.45	Peak	
2	5725.9800	59.27	15.96	75.23	122.20	-46.97	Peak	
3 *	5742.0000	105.22	15.98	121.20	122.20	-1.00	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX AX(HE20) Mode 5745 MHz	Polarization	Vertical
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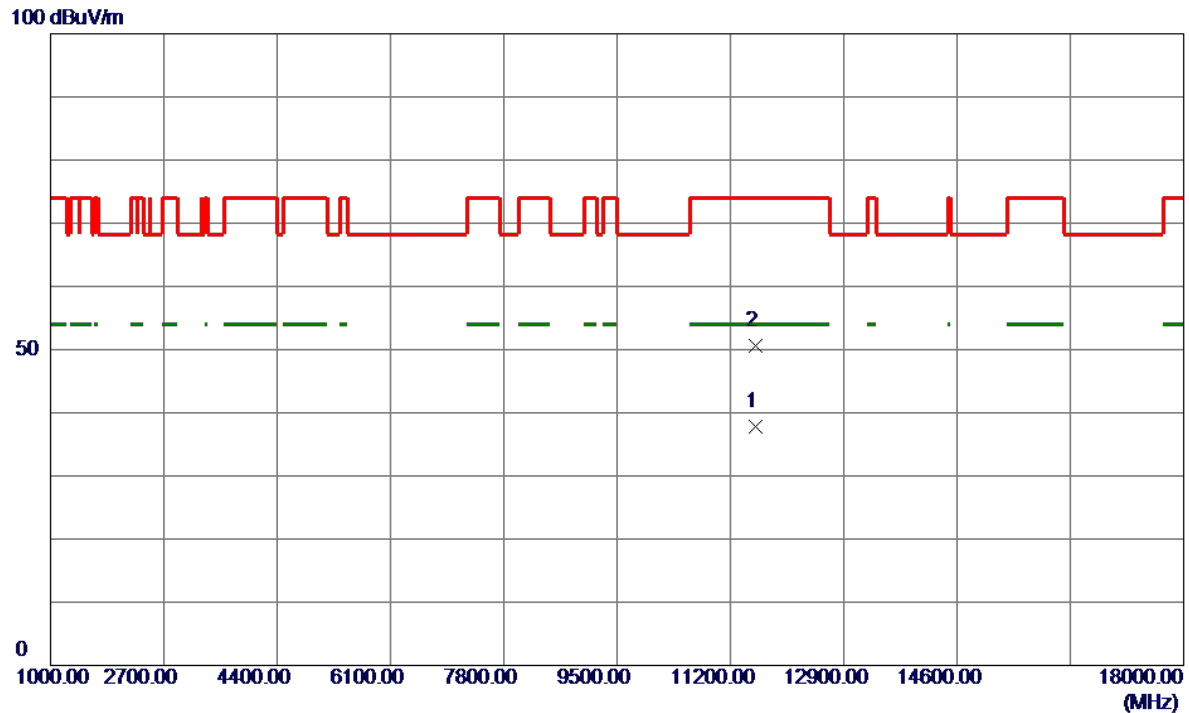


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11489.0000	28.05	11.36	39.41	54.00	-14.59	AVG	
2	11489.8000	39.89	11.36	51.25	74.00	-22.75	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE20) Mode 5785 MHz	Polarization	Vertical
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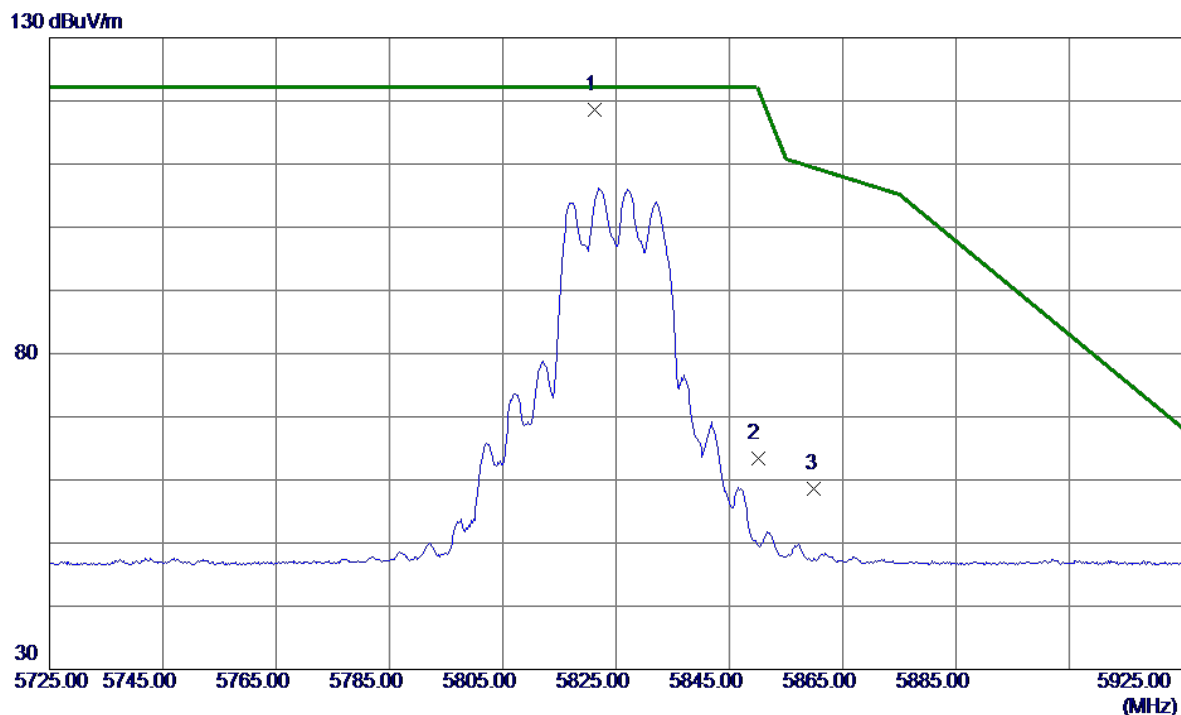


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11569.0020	26.45	11.34	37.79	54.00	-16.21	AVG	
2	11569.6240	39.33	11.34	50.67	74.00	-23.33	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE20) Mode 5825 MHz	Polarization	Vertical
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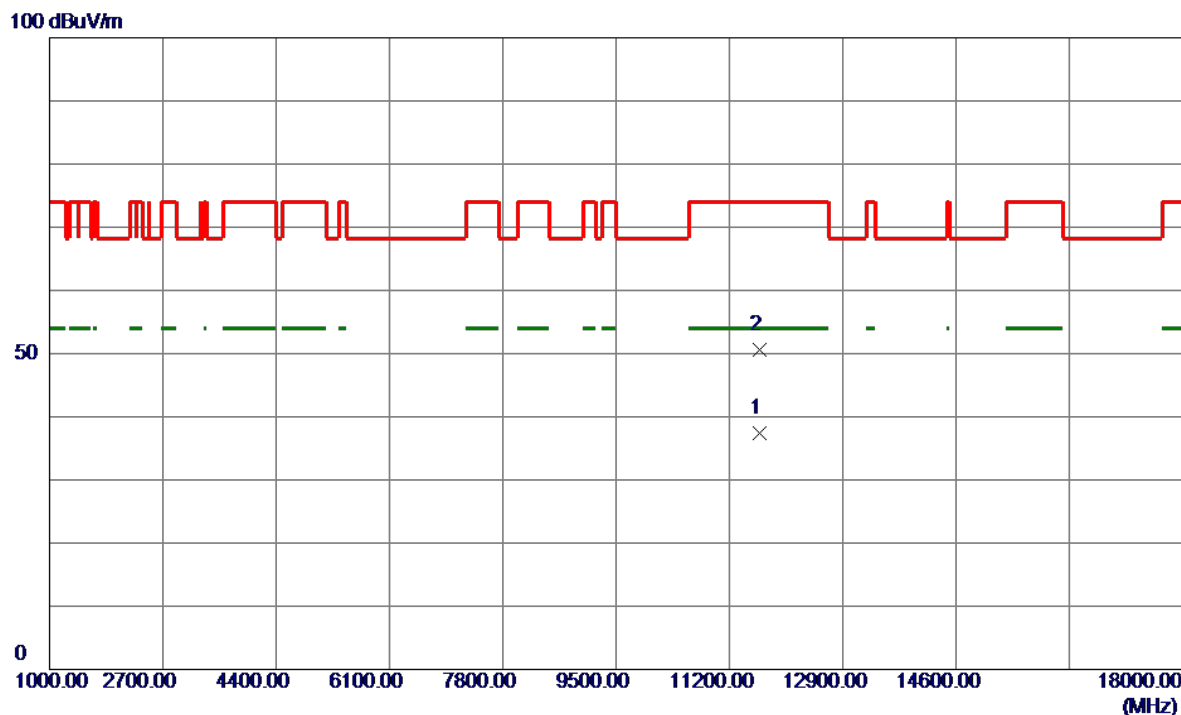


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5821.2000	102.63	16.06	118.69	122.20	-3.51	Peak	No Limit
2	5850.0000	47.22	16.09	63.31	122.20	-58.89	Peak	
3	5860.0000	42.44	16.10	58.54	109.40	-50.86	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE20) Mode 5825 MHz	Polarization	Vertical
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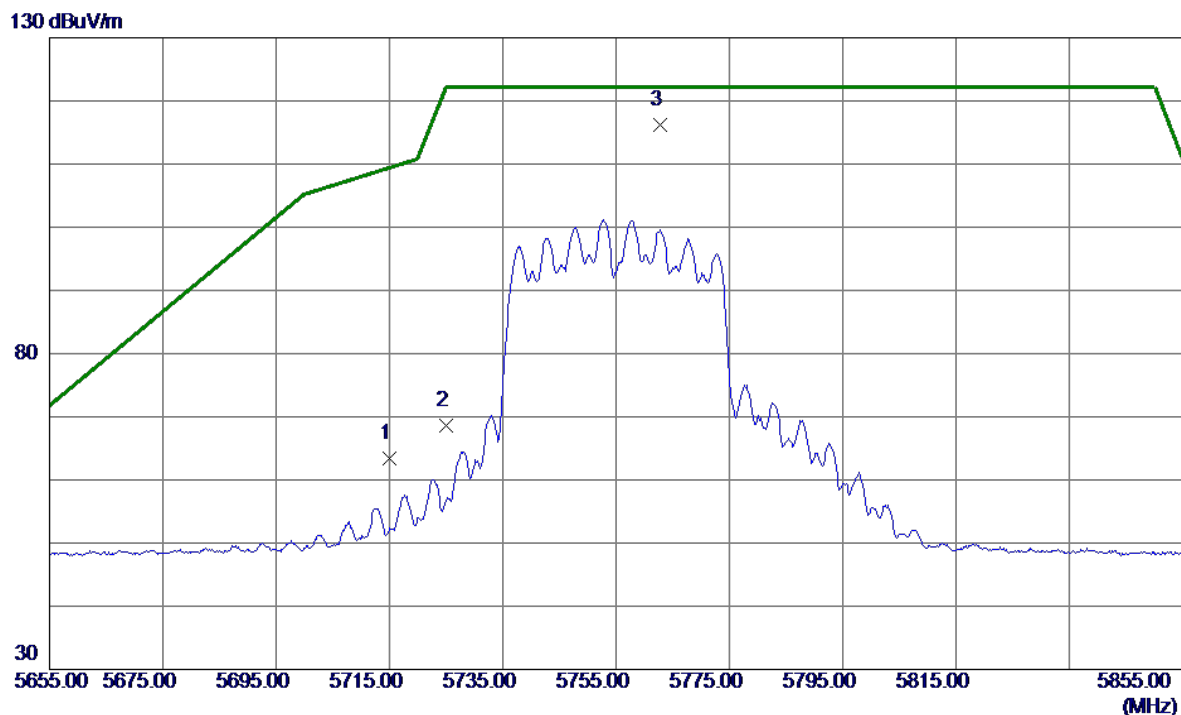


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11650.2300	26.12	11.31	37.43	54.00	-16.57	AVG	
2	11650.9260	39.27	11.31	50.58	74.00	-23.42	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE40) Mode 5755 MHz	Polarization	Vertical
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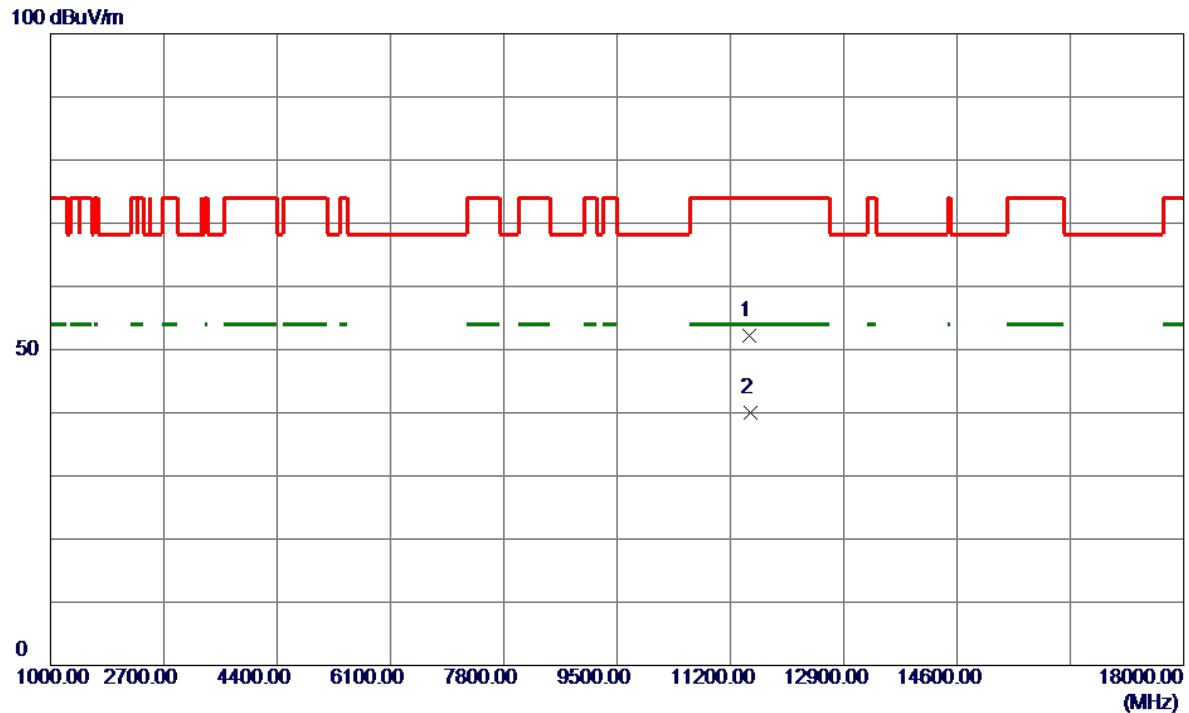


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	47.43	15.95	63.38	109.40	-46.02	Peak	
2	5725.0000	52.70	15.96	68.66	122.20	-53.54	Peak	
3 *	5762.8000	100.27	16.00	116.27	122.20	-5.93	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX AX(HE40) Mode 5755 MHz	Polarization	Vertical
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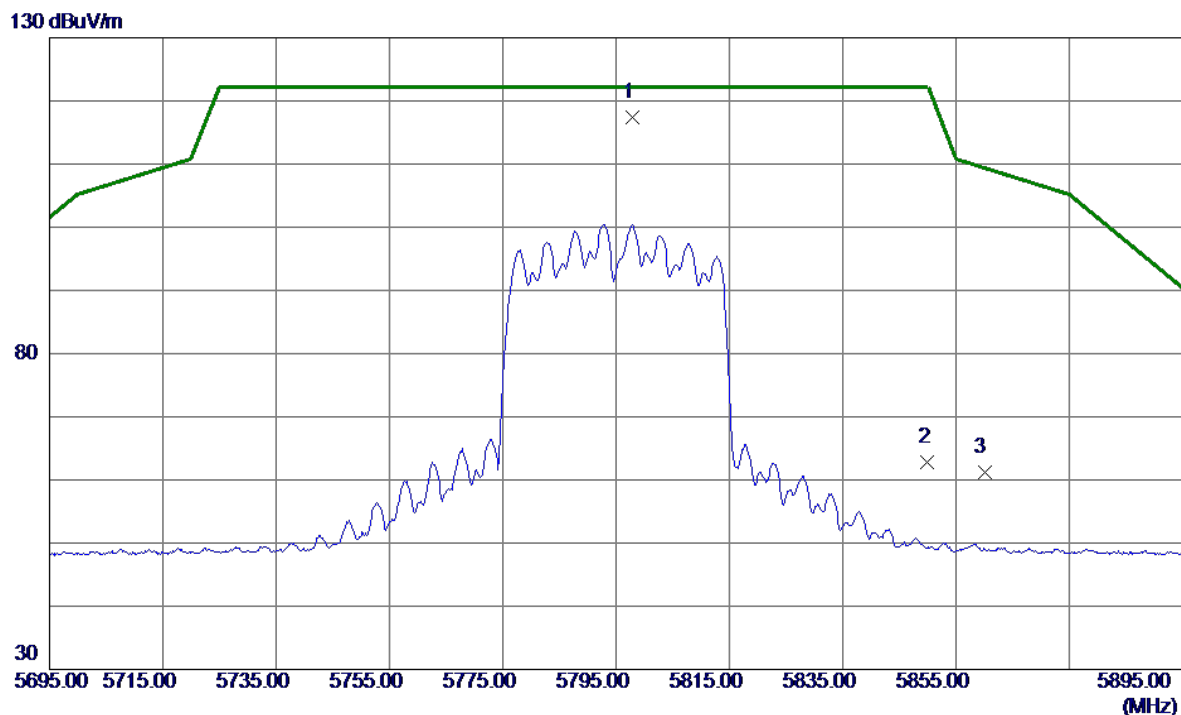


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11492.2000	40.88	11.36	52.24	74.00	-21.76	Peak	
2 *	11502.4000	28.57	11.36	39.93	54.00	-14.07	AVG	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE40) Mode 5795 MHz	Polarization	Vertical
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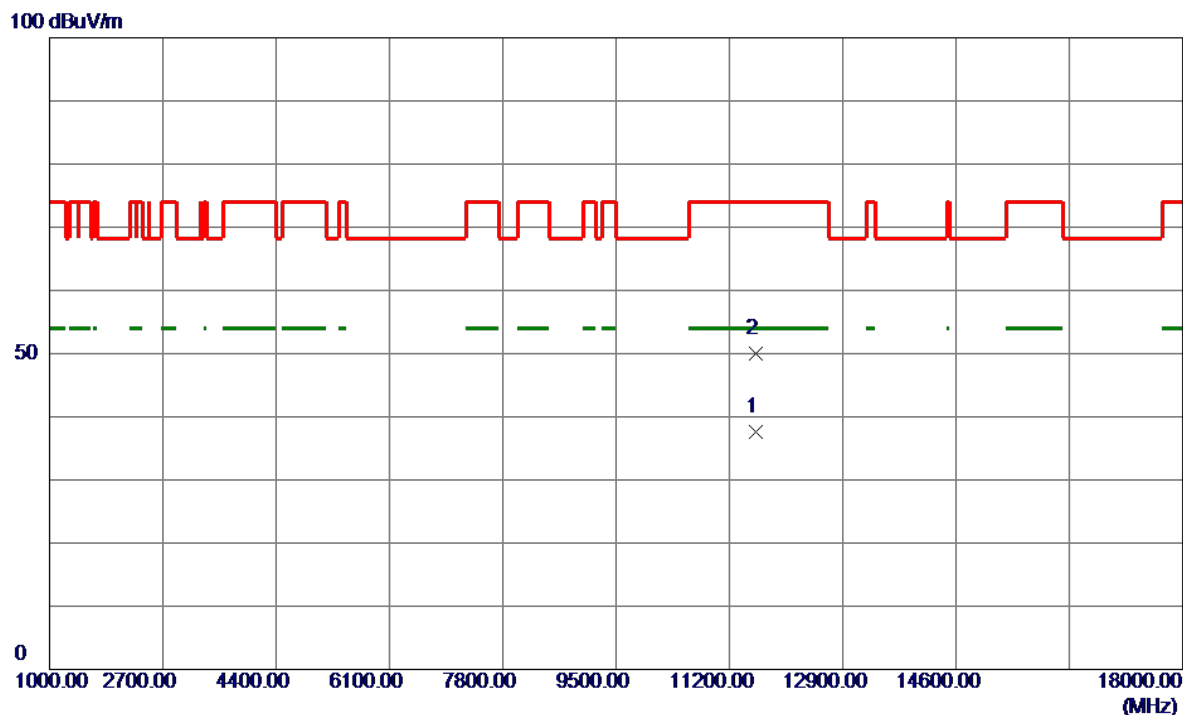


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5797.8000	101.31	16.03	117.34	122.20	-4.86	Peak	No Limit
2	5850.0000	46.71	16.09	62.80	122.20	-59.40	Peak	
3	5860.0000	45.13	16.10	61.23	109.40	-48.17	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE40) Mode 5795 MHz	Polarization	Vertical
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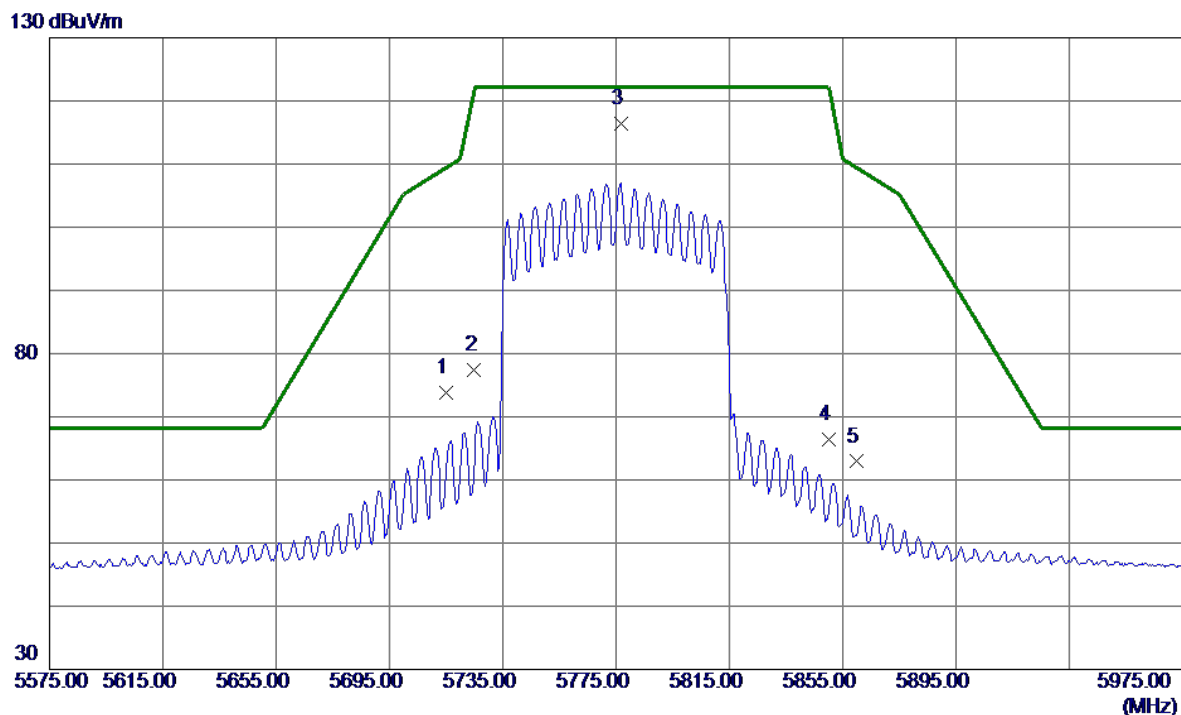


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11588.0000	26.35	11.33	37.68	54.00	-16.32	AVG	
2	11592.6000	38.60	11.33	49.93	74.00	-24.07	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE80) Mode 5775 MHz	Polarization	Vertical
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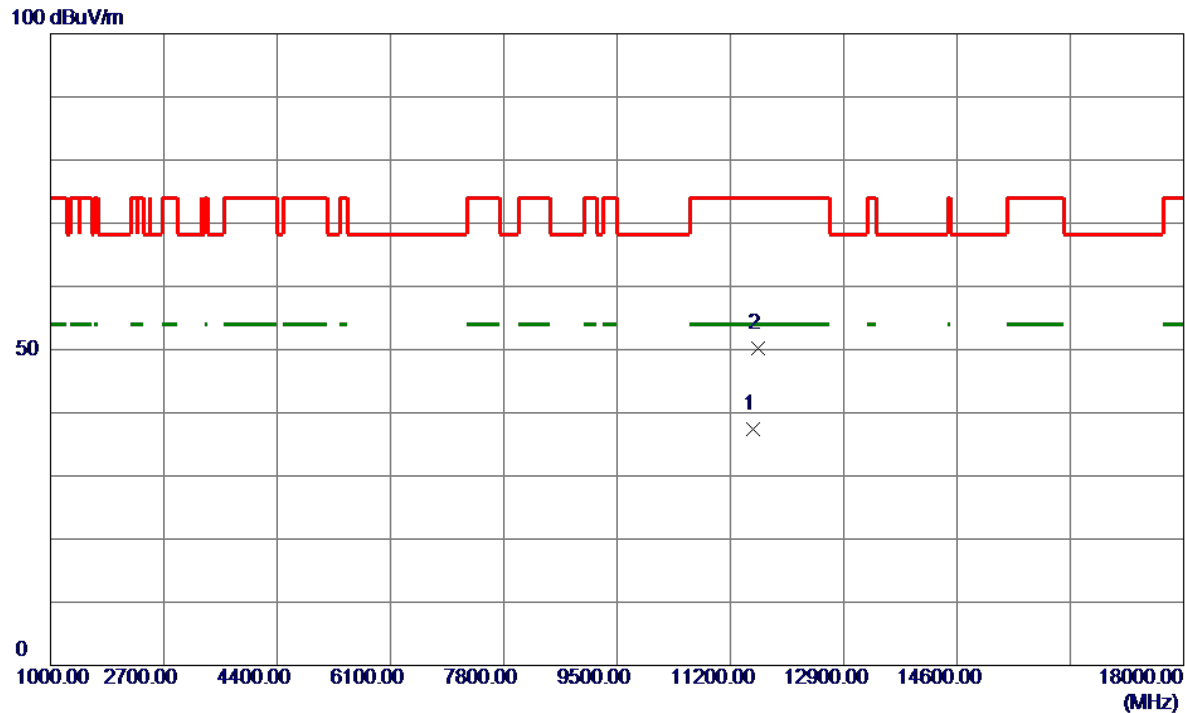


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	57.79	15.95	73.74	109.40	-35.66	Peak	
2	5725.0000	61.41	15.96	77.37	122.20	-44.83	Peak	
3 *	5776.6000	100.46	16.01	116.47	122.20	-5.73	Peak	No Limit
4	5850.0000	50.31	16.09	66.40	122.20	-55.80	Peak	
5	5860.0000	46.80	16.10	62.90	109.40	-46.50	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE80) Mode 5775 MHz	Polarization	Vertical
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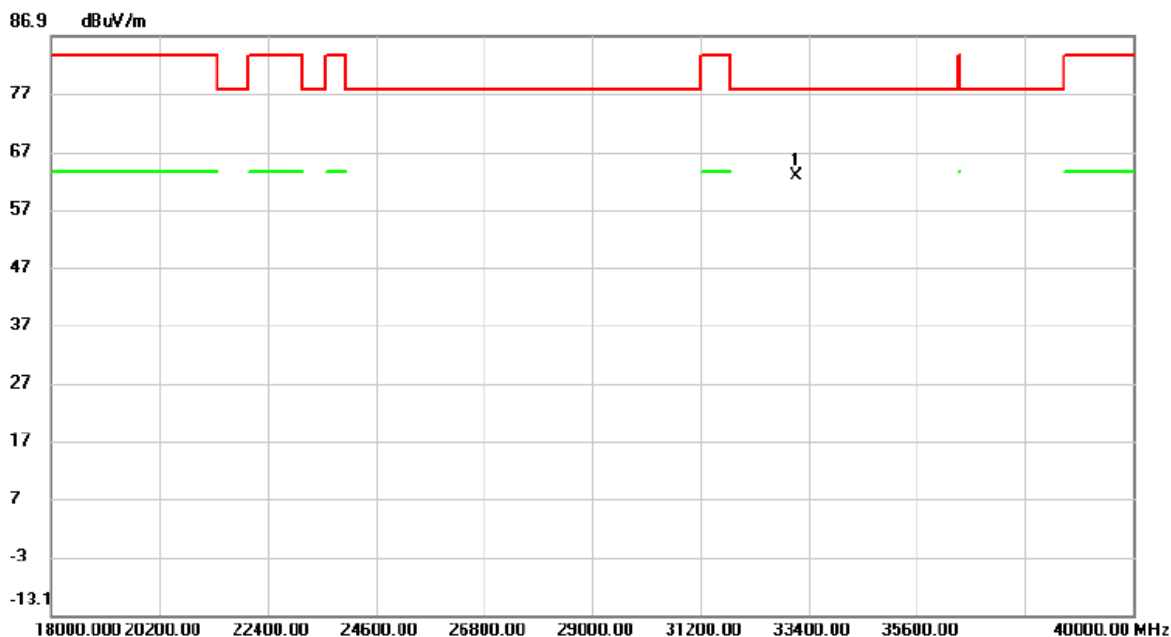


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11547.2000	26.06	11.34	37.40	54.00	-16.60	AVG	
2	11614.0000	38.90	11.32	50.22	74.00	-23.78	Peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE40) Mode 5755 MHz	Polarization	Vertical
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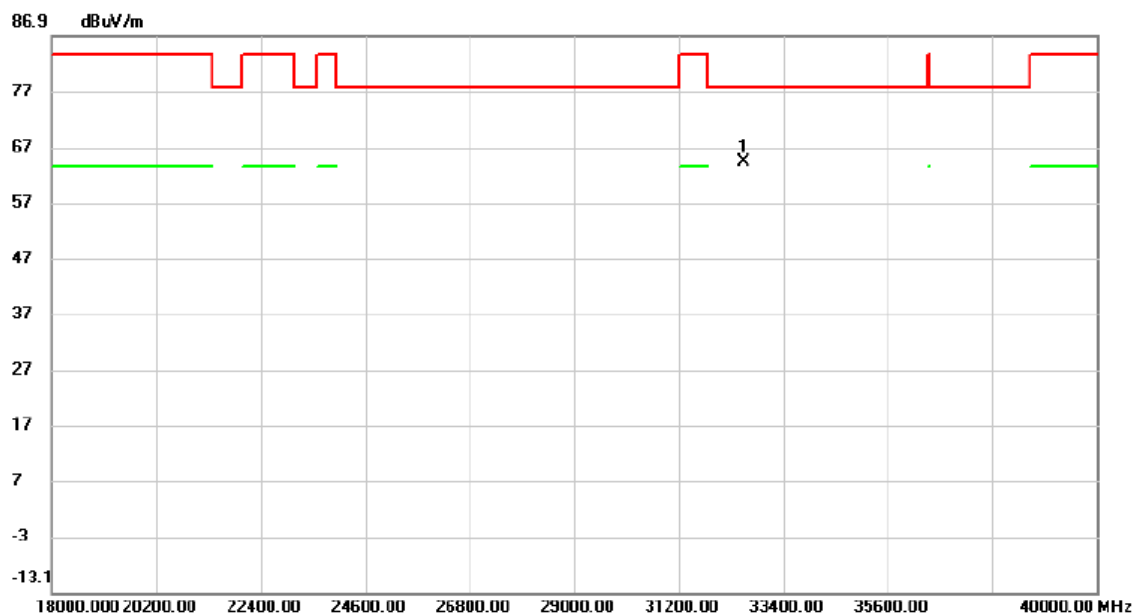


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	33158.00	52.75	10.10	62.85	77.70	-14.85	peak	

REMARKS:

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

Test Mode	UNII-3_TX AX(HE40) Mode 5755 MHz	Polarization	
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	32575.00	53.37	10.79	64.16	77.70	-13.54	peak	

REMARKS:

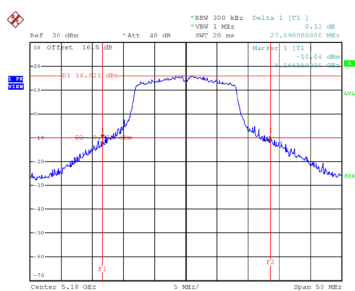
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	UNII-1_TX A Mode
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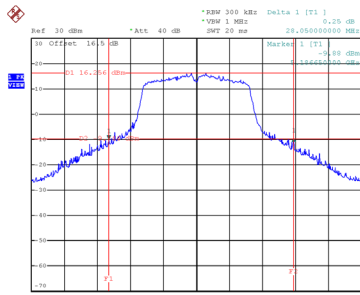
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	27.090	16.800
40	5200	28.050	17.000
48	5240	23.600	16.900

CH36



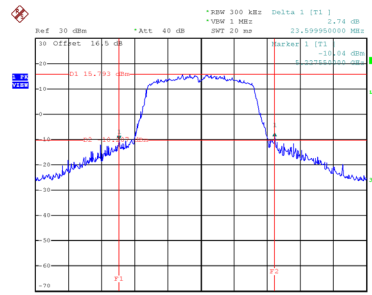
Date: 27.JUL.2024 13:57:21

CH40
26 dB Bandwidth



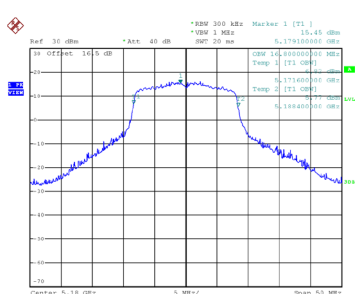
Date: 27.JUL.2024 13:58:10

CH48

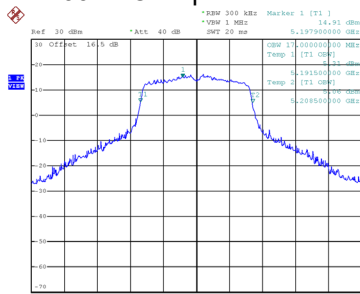


Date: 27.JUL.2024 13:59:10

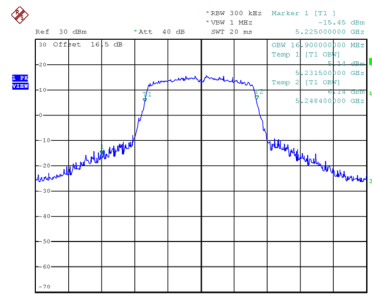
99 % Occupied Bandwidth



Date: 27.JUL.2024 13:56:54



Date: 27.JUL.2024 13:57:41

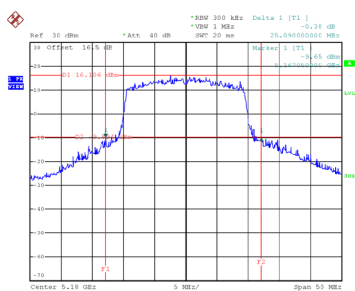


Date: 27.JUL.2024 13:58:40

Test Mode	UNII-1_TX AX(HE20) Mode
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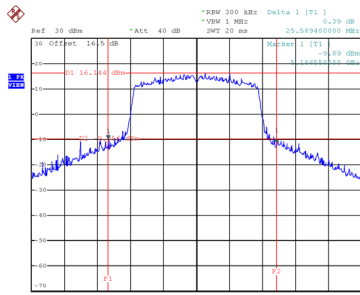
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	25.090	19.100
40	5200	25.589	19.100
48	5240	20.150	18.900

CH36



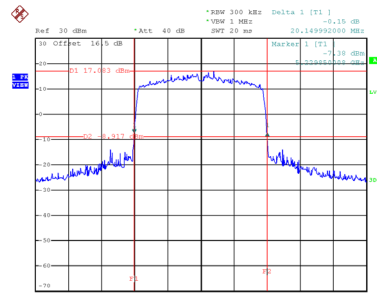
Date: 27.JUL.2024 15:05:21

CH40
26 dB Bandwidth



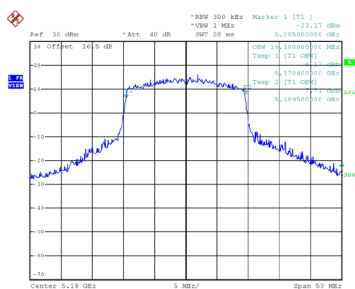
Date: 27.JUL.2024 15:06:24

CH48

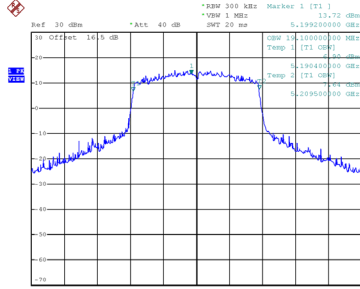


Date: 27.JUL.2024 15:07:26

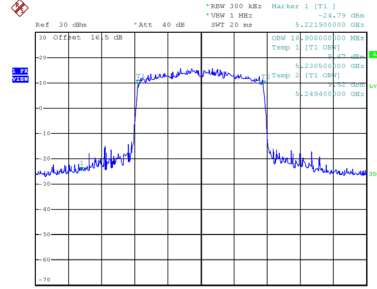
99 % Occupied Bandwidth



Date: 27.JUL.2024 15:04:50



Date: 27.JUL.2024 15:05:52

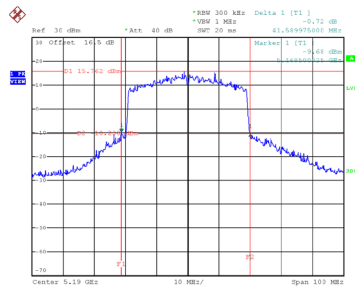


Date: 27.JUL.2024 15:06:54

Test Mode	UNII-1_TX AX(HE40) Mode
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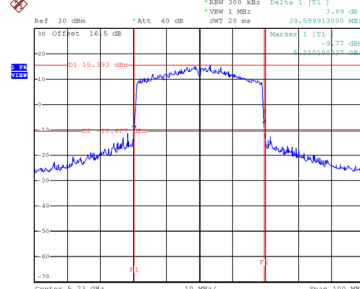
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
38	5190	41.590	37.800
46	5230	39.600	37.600

CH38



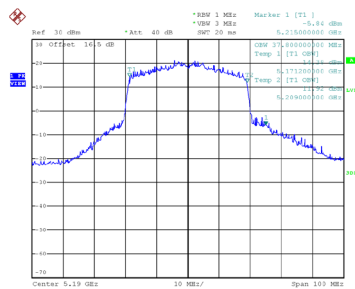
Date: 27.JUL.2024 15:23:49

CH46
26 dB Bandwidth

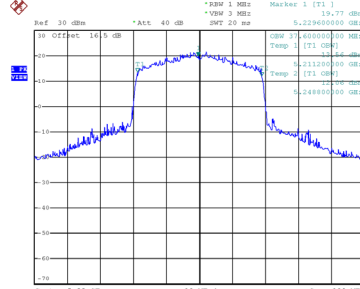


Date: 27.JUL.2024 15:27:23

99 % Occupied Bandwidth



Date: 27.JUL.2024 15:22:47

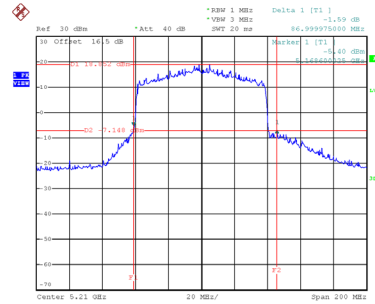


Date: 27.JUL.2024 15:26:44

Test Mode	UNII-1_TX AX(HE80) Mode
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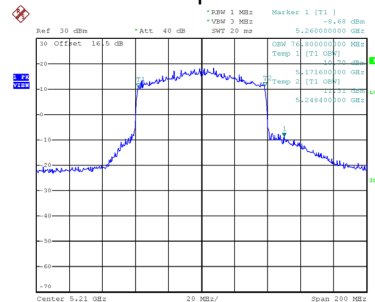
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
42	5210	87.000	76.800

CH42 26 dB Bandwidth



Date: 27.JUL.2024 15:43:37

99 % Occupied Bandwidth

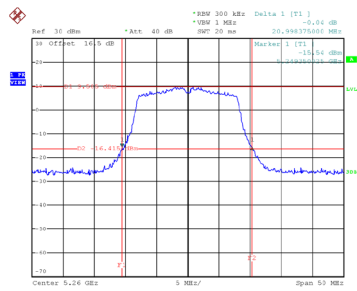


Date: 27.JUL.2024 15:42:52

Test Mode	UNII-2A_TX A Mode
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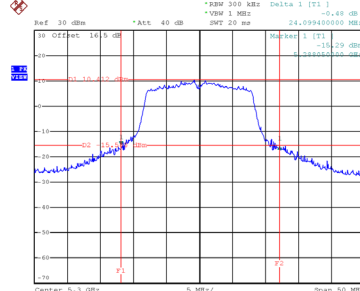
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
52	5260	20.998	16.700
60	5300	24.099	17.000
64	5320	25.850	16.900

CH52



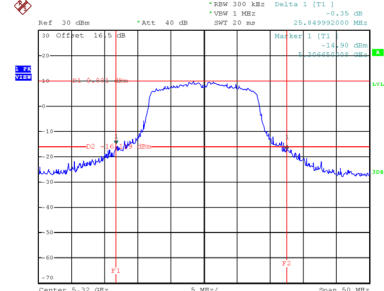
Date: 27.JUL.2024 14:00:10

CH60
26 dB Bandwidth



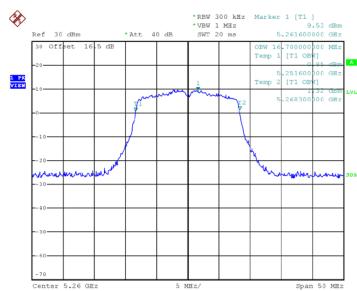
Date: 27.JUL.2024 14:01:10

CH64

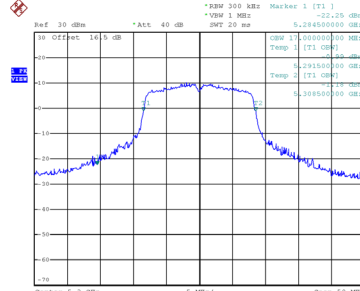


Date: 27.JUL.2024 14:02:09

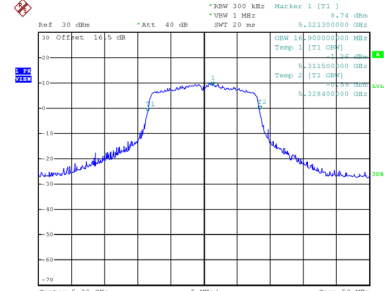
99 % Occupied Bandwidth



Date: 27.JUL.2024 13:59:37



Date: 27.JUL.2024 14:00:33

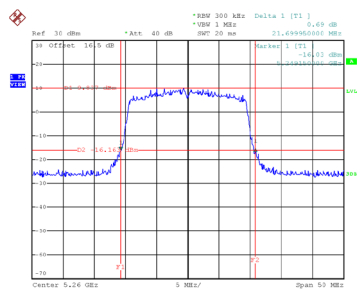


Date: 27.JUL.2024 14:01:40

Test Mode	UNII-2A_TX AX(HE20) Mode
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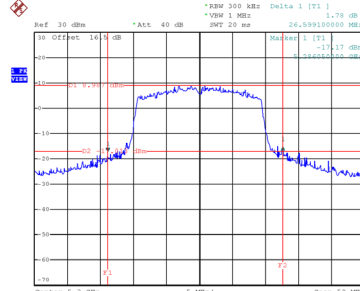
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
52	5260	21.700	18.900
60	5300	26.599	19.100
64	5320	26.800	19.100

CH52



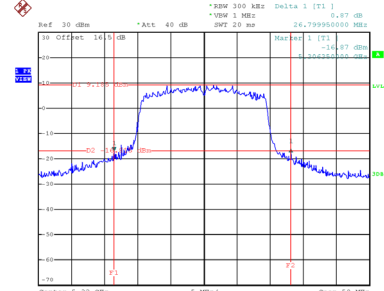
Date: 27.JUL.2024 15:09:15

CH60
26 dB Bandwidth



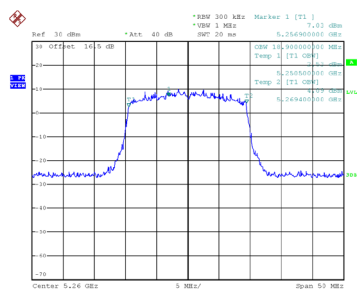
Date: 27.JUL.2024 15:11:13

CH64

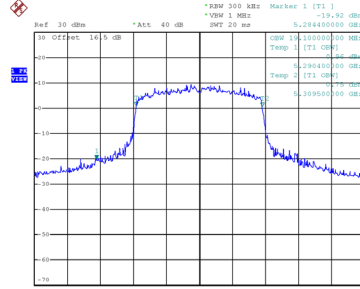


Date: 27.JUL.2024 15:12:36

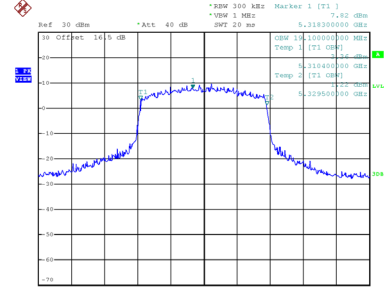
99 % Occupied Bandwidth



Date: 27.JUL.2024 15:08:43



Date: 27.JUL.2024 15:10:37



Date: 27.JUL.2024 15:12:09

