



FCC Radio Test Report

FCC ID: 2BNIZ-V301

This report concerns: **Original Grant**

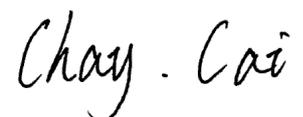
Project No. : 2412G040
Equipment : Projector
Brand Name : AMTC, ONN, ONN., onn.
Test Model : ON25APJ001C
Series Model : V301XX
Applicant : Shenzhen MTC Digital Technology Co., Ltd
Address : MTC Industry Park, No.1, Lilang Road, Xialilang Community, Nanwan Street, Longgang District, Shenzhen, China
Manufacturer 1 : Element TV Company LP
Address : 392 US Highway 321 Bypass South WINNSBORO SC 29180 USA
Manufacturer 2 : Shenzhen MTC Digital Technology Co., Ltd
Address : MTC Industry Park, No.1, Lilang Road, Xialilang Community, Nanwan Street, Longgang District, Shenzhen, China
Factory : Shenzhen MTC Digital Technology Co., Ltd
Address : MTC Industry Park, No.1, Lilang Road, Xialilang Community, Nanwan Street, Longgang District, Shenzhen, China
Date of Receipt : Dec. 23, 2024
Date of Test : Dec. 24, 2024 ~ Feb. 17, 2025
Issued Date : Mar. 11, 2025
Report Version : R00
Test Sample : Engineering Sample No.: SSL2024122368, for AC Power Line Conducted Emissions and Radiated Emissions-Below 1000 MHz and Radiated Emissions-Above 18000 MHz, SSL2024122521 for Radiated Emissions - 1000 MHz - 18000 MHz, SSL2024122356 for conducted.
Standard(s) : FCC CFR Title 47, Part 15, Subpart E

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

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Declaration

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

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

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

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BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

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

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

Limitation

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

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

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2412G040	R00	Original Report.	Mar. 11, 2025	Valid

1. APPLICABLE STANDARDS

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

ANSI C63.10-2013

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

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

Note:

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

1# For Radiated Emissions-30 MHz-18000MHz test item:

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

2# For other test items:

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% 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-CB17 (3m)	CISPR	30MHz ~ 200MHz	V	4.22
		30MHz ~ 200MHz	H	3.46
		200MHz ~ 1,000MHz	V	5.02
		200MHz ~ 1,000MHz	H	4.22

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	22°C	50%	AC 120V/60Hz	Hayden Chen	Jan. 02, 2025
Radiated Emissions-9kHz to 30MHz	26°C	47%	AC 120V/60Hz	Hayden Chen	Jan. 02, 2025
Radiated Emissions-30MHz to 1000MHz	21°C	43%	AC 120V/60Hz	Calvin Wen	Feb. 15, 2025
Radiated Emissions-Above 1000 MHz	26°C	50%	AC 120V/60Hz	Calvin Wen	Jan. 01, 2025
			AC 120V/60Hz	Drew Tan	Jan. 11, 2025
Bandwidth	23°C	48%	AC 120V/60Hz	Steve Zhou	Jan. 16, 2025~ Jan. 18, 2025
Maximum Output Power	23°C	48%	AC 120V/60Hz	Steve Zhou	Jan. 16, 2025~ Jan. 18, 2025
Power Spectral Density	23°C	48%	AC 120V/60Hz	Steve Zhou	Jan. 16, 2025~ Jan. 18, 2025
Frequency Stability	Normal & Extreme	48%	Normal & Extreme	Steve Zhou	Jan. 16, 2025~ Jan. 18, 2025

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Projector
Brand Name	AMTC, ONN, ONN., onn.
Test Model	ON25APJ001C
Series Model	V301XX
Model Difference(s)	Their electrical circuit design, layout, components used and internal wiring are the same, only model No., brand name and the appearance (for color, silk-screen only) are different.
Software Version	14.5
Hardware Version	TY9500-ZC01-01
Power Source	AC Mains.
Power Rating	Power Input: 100-240V~ 50/60Hz 1.5A EUT USB port: 5V  500mA
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: OFDM
Bit Rate of Transmitter	IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 150 Mbps
Maximum Output Power _UNII-1	IEEE 802.11a: 17.53 dBm (0.0566 W)
Maximum Output Power _UNII-2A	IEEE 802.11a: 17.65 dBm (0.0582 W)
Maximum Output Power _UNII-2C	IEEE 802.11a: 17.01 dBm (0.0502 W)
Maximum Output Power _UNII-3	IEEE 802.11a: 16.86 dBm (0.0485 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 802.11n(HT40)	
UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220		
48	5240		

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

IEEE 802.11a IEEE 802.11n(HT20)		IEEE 802.11n(HT40)	
UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510
104	5520	110	5550
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 802.11n(HT40)	
UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755
153	5765	159	5795
157	5785		
161	5805		
165	5825		

3. Table for Filed Antenna:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		3.03.10010031142	FPC	IPEX	4.19

3.2 TEST MODES

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

Pretest Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 5	TX N(HT20) Mode Channel 52/60/64 (UNII-2A)
Mode 6	TX N(HT40) Mode Channel 54/62 (UNII-2A)
Mode 7	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 8	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 9	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 10	TX A Mode Channel 149/157/165 (UNII-3)
Mode 11	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 12	TX N(HT40) Mode Channel 151/159 (UNII-3)
Mode 13	TX A Mode Channel 52 (UNII-2A)

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 13	TX A Mode Channel 52 (UNII-2A)

Radiated Emissions Test - Below 1GHz	
Final Test Mode	Description
Mode 13	TX A Mode Channel 52 (UNII-2A)

Radiated Emissions Test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 5	TX N(HT20) Mode Channel 52/60/64 (UNII-2A)
Mode 6	TX N(HT40) Mode Channel 54/62 (UNII-2A)
Mode 7	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 8	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 9	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 10	TX A Mode Channel 149/157/165 (UNII-3)
Mode 11	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 12	TX N(HT40) Mode Channel 151/159 (UNII-3)

Conducted Test	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX N(HT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX N(HT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 5	TX N(HT20) Mode Channel 52/60/64 (UNII-2A)
Mode 6	TX N(HT40) Mode Channel 54/62 (UNII-2A)
Mode 7	TX A Mode Channel 100/116/140 (UNII-2C)
Mode 8	TX N(HT20) Mode Channel 100/116/140 (UNII-2C)
Mode 9	TX N(HT40) Mode Channel 102/110/134 (UNII-2C)
Mode 10	TX A Mode Channel 149/157/165 (UNII-3)
Mode 11	TX N(HT20) Mode Channel 149/157/165 (UNII-3)
Mode 12	TX N(HT40) Mode Channel 151/159 (UNII-3)

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX A Mode Channel 52 (UNII-2A) 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, the Vertical antennas and Horizontal antennas are evaluated, the worst case is recorded.

3.3 PARAMETERS OF TEST SOFTWARE

UNII-1			
Test Software Version	Win7_MP_Kit_RTL11n_8733BU_USB_v0.45		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	17.5	17.5	17.5
IEEE 802.11n(HT20)	17.5	17.5	17.5
Frequency (MHz)	5190	5230	
IEEE 802.11n(HT40)	16	17.5	

UNII-2A			
Test Software Version	Win7_MP_Kit_RTL11n_8733BU_USB_v0.45		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	17.5	17.5	16.5
IEEE 802.11n(HT20)	17.5	17.5	16
Frequency (MHz)	5270	5310	
IEEE 802.11n(HT40)	17.5	13.5	

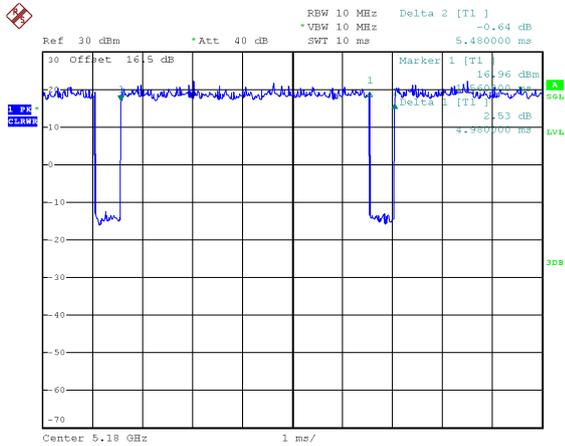
UNII-2C			
Test Software Version	Win7_MP_Kit_RTL11n_8733BU_USB_v0.45		
Frequency (MHz)	5500	5580	5700
IEEE 802.11a	16.5	16.5	15.5
IEEE 802.11n(HT20)	16	16	15
Frequency (MHz)	5510	5550	5670
IEEE 802.11n(HT40)	13.5	16.5	16.5

UNII-3			
Test Software Version	Win7_MP_Kit_RTL11n_8733BU_USB_v0.45		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	16.5	16.5	16.5
IEEE 802.11n(HT20)	16	16	16
Frequency (MHz)	5755	5795	
IEEE 802.11n(HT40)	16.5	16.5	

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.

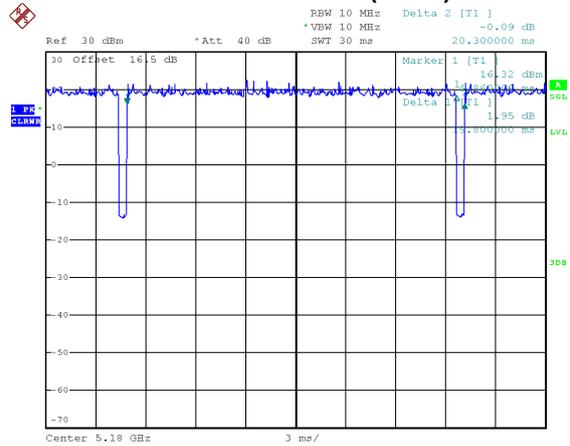
IEEE 802.11a



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Duty cycle = 4.980 ms / 5.480 ms = 90.88%
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.42$

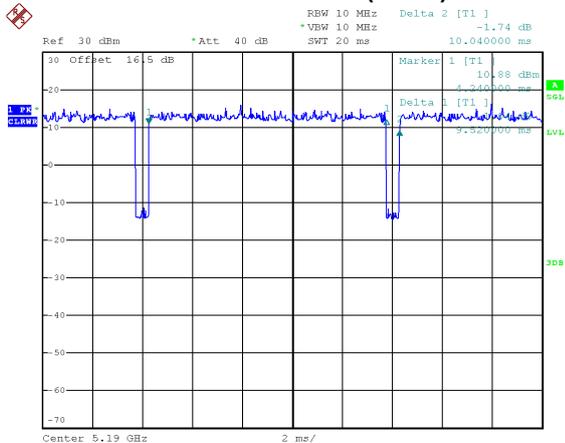
IEEE 802.11n(HT20)



Date: 16.JAN.2025 19:04:02

Duty cycle = 19.800 ms / 20.300 ms = 97.54%
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.11$

IEEE 802.11n(HT40)



Date: 16.JAN.2025 19:05:39

Duty cycle = 9.520 ms / 10.040 ms = 94.82%
 Duty Factor = $10 \log(1 / \text{Duty cycle}) = 0.23$

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 201 Hz (Duty cycle < 98%).

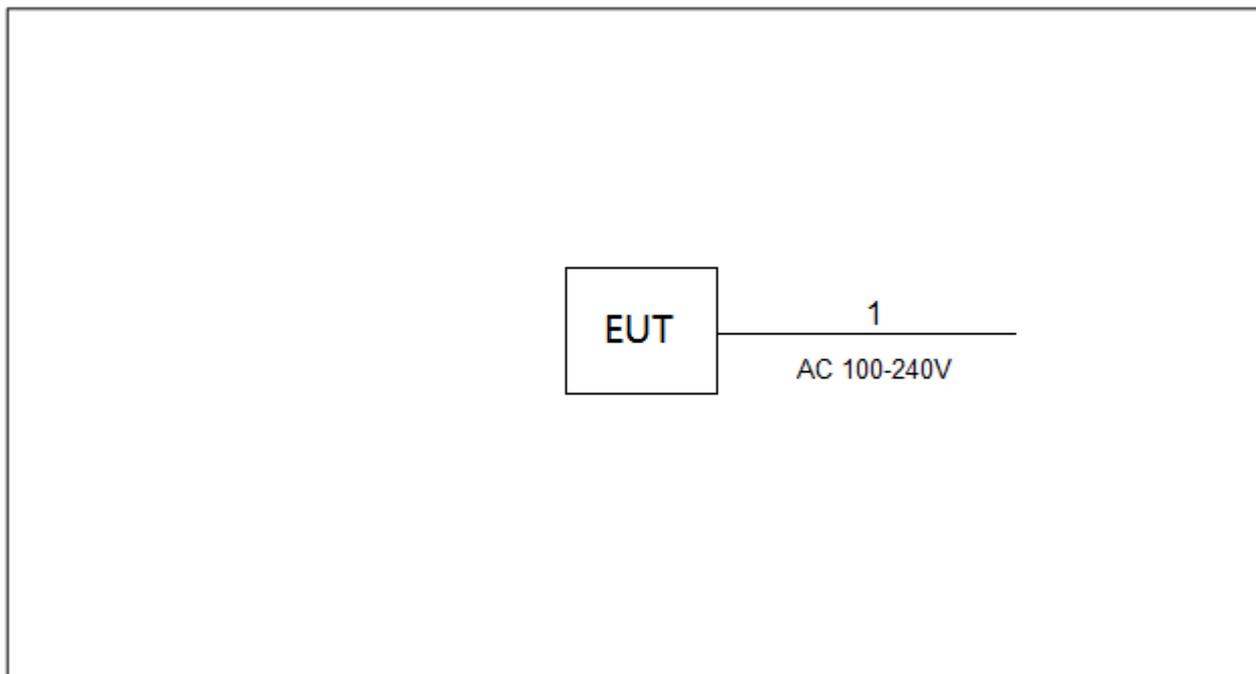
For IEEE 802.11n(HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 51 Hz (Duty cycle < 98%).

For IEEE 802.11n(HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 105 Hz (Duty cycle < 98%).

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	AC Cable	NO	NO	1.2m

3.7 CUSTOMER INFORMATION DESCRIPTION

- 1)
- 2) Except for AC power line conducted emissions and radiated 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 (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

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

4.2 TEST PROCEDURE

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

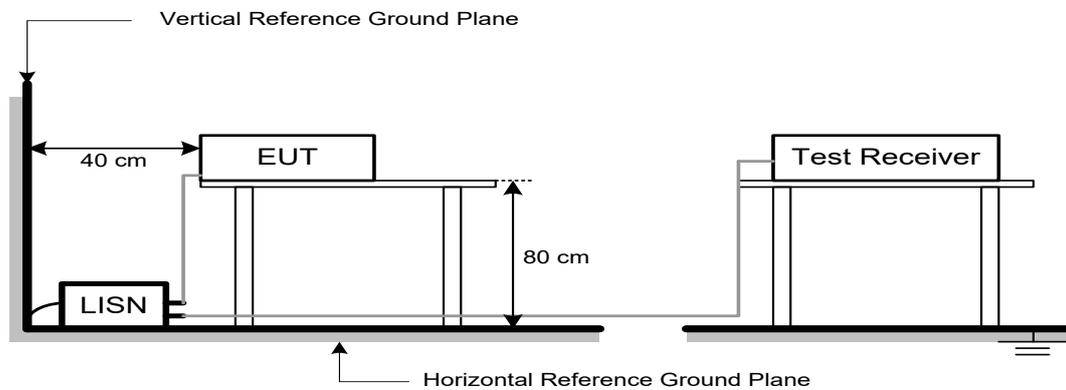
The following table is the setting of the receiver:

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

4.3 DEVIATION FROM TEST STANDARD

No deviation

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

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

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

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 LIMIT

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

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

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

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

	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

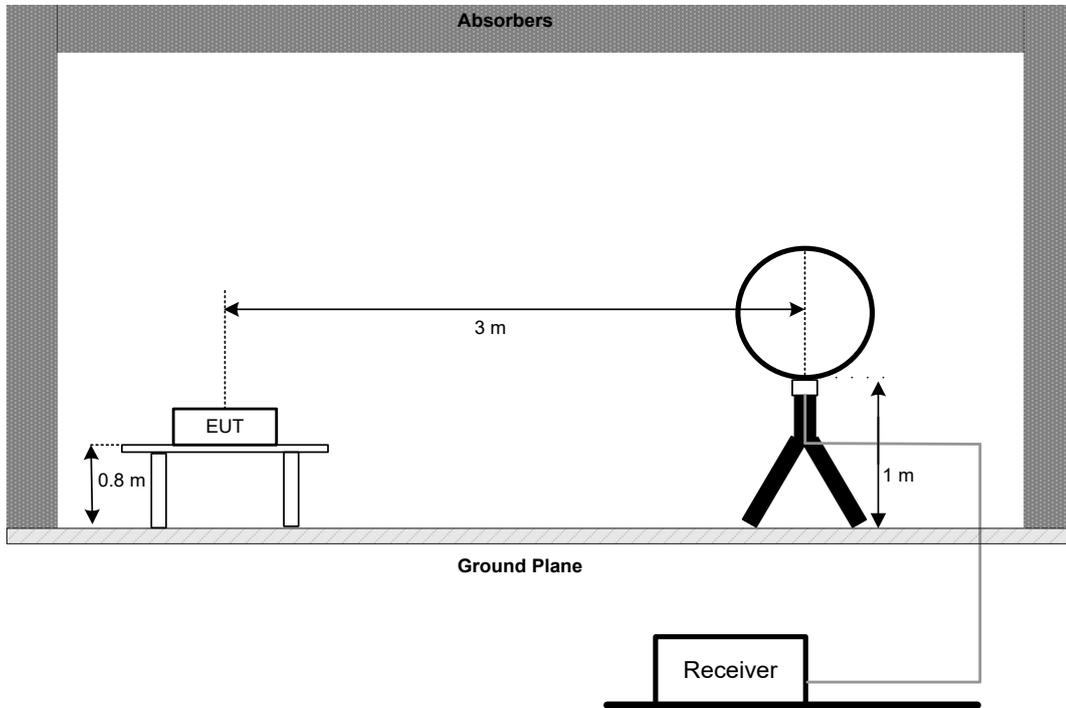
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

5.3 DEVIATION FROM TEST STANDARD

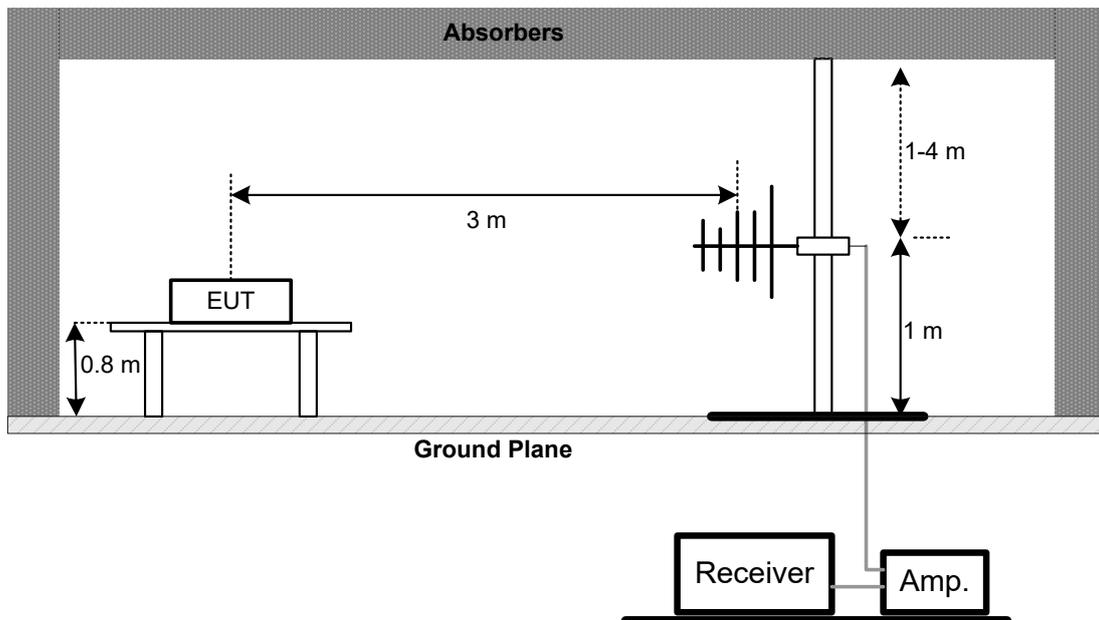
No deviation.

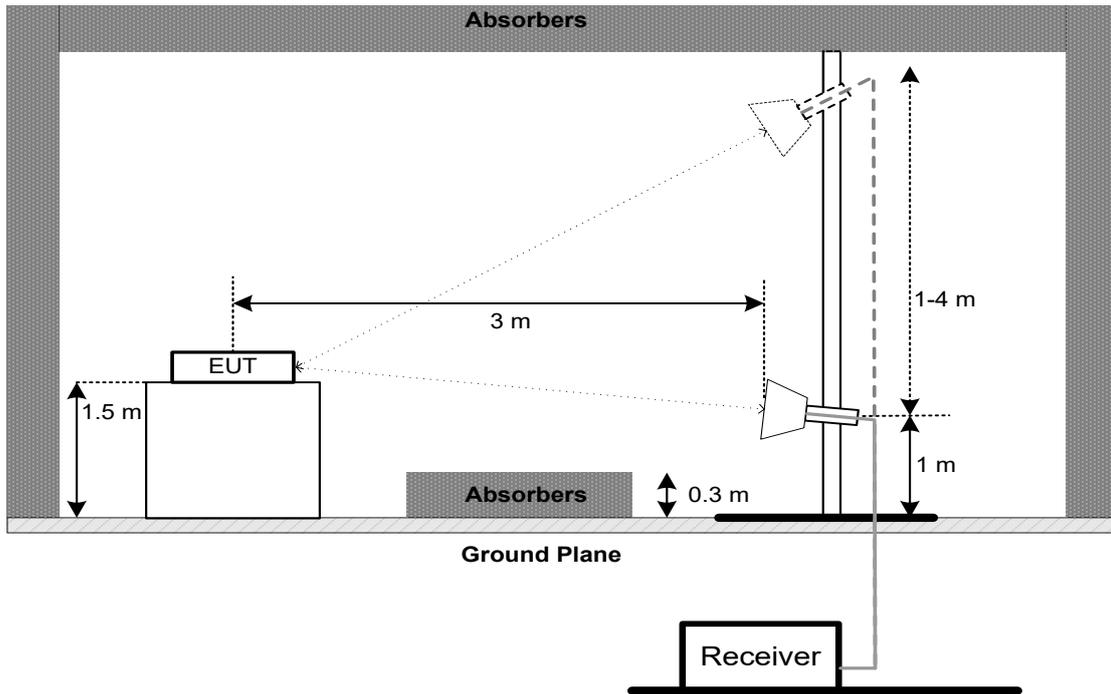
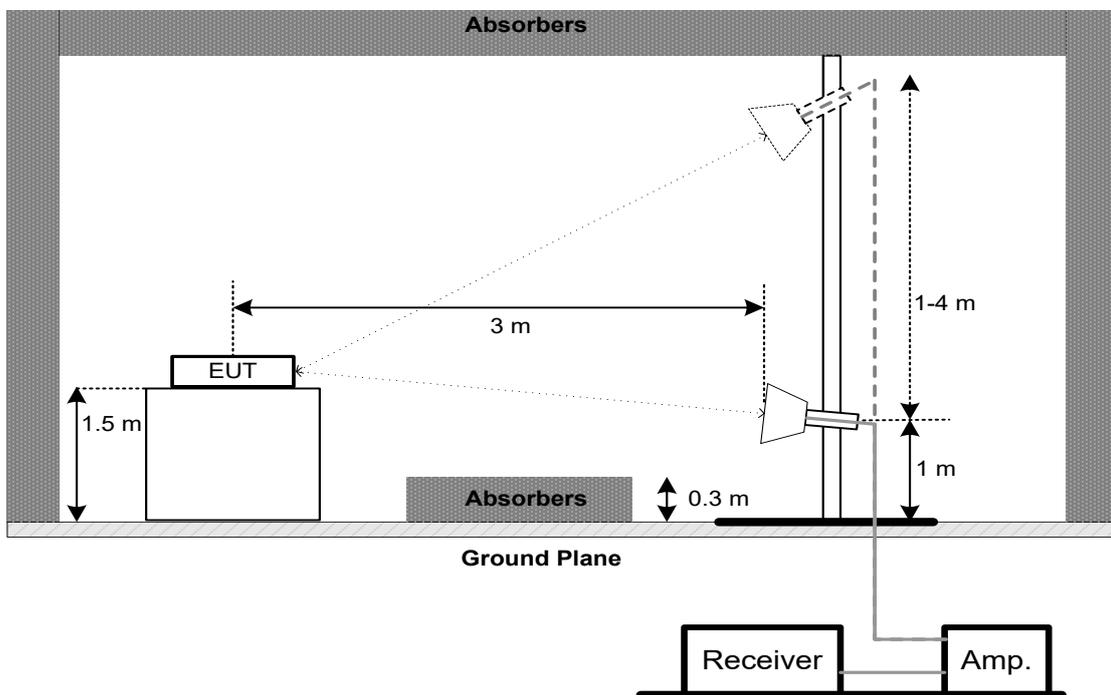
5.4 TEST SETUP

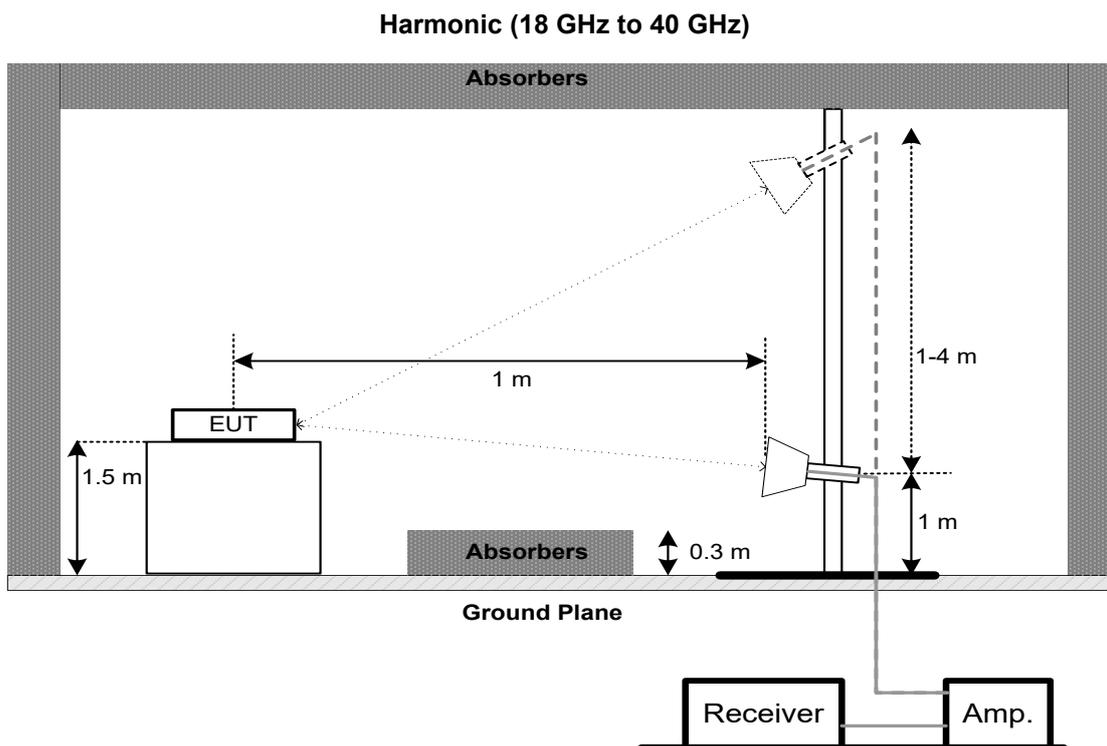
9 kHz to 30 MHz



30 MHz to 1 GHz



**Above 1 GHz
Band edge****Harmonic (1 GHz to 18 GHz)**



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)	5150-5250
		Client device: 250 mW (23.98 dBm)	
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

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

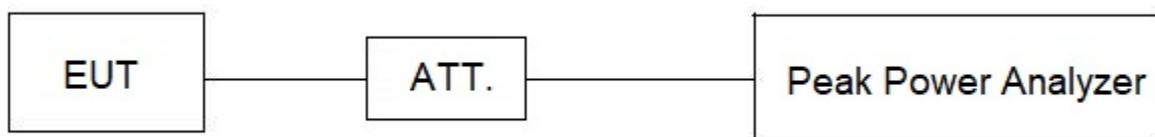
7.2 TEST PROCEDURE

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

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX F.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

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

8.2 TEST PROCEDURE

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

For UNII-1, UNII-2A, UNII-2C:

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

For UNII-3:

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

Note:

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

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

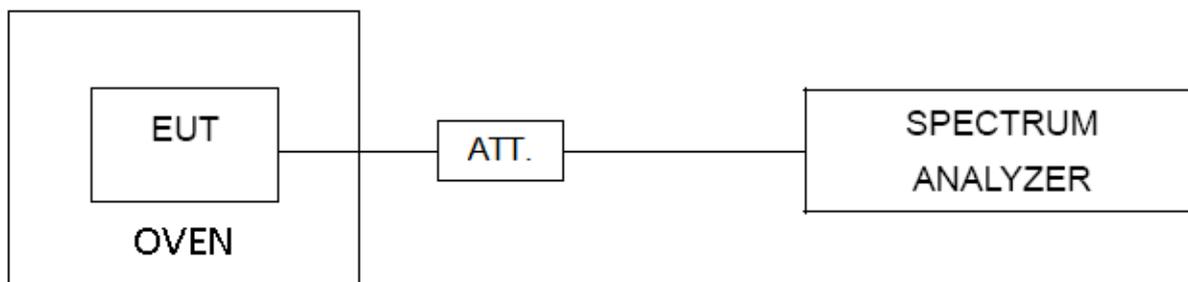
Spectrum Parameter	Setting
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- d. User manual temperature is 0°C~35°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. 06, 2025
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 06, 2025
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Nov. 11, 2025
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. 06, 2025
3	Cable	N/A	RW4950-3.8A-NMS M-1.5	N/A	Nov. 12, 2025
4	Cable	N/A	LMR400-NMNM-8 M	N/A	Nov. 12, 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	01462	Dec. 14, 2025
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 14, 2025
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	May 31, 2025
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	MXE EMI Receiver	KEYSIGHT	N9038B	MY62210123	Oct. 29, 2025
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-18GHz					
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	Cable	RegalWay	RWLP50-4.0A-SMSM-1.3M	N/A	Jan. 07, 2026
4	Cable	RegalWay	RWLP50-2.6A-3.5M2.92MRA-3M	N/A	Jan. 07, 2026
5	Cable	RegalWay	RWLP50-4.0A-SMSM-9M	N/A	Jan. 07, 2026
6	966 Chamber room	ETS	RFD-100 (SVSWR)	Q2179	Dec. 19, 2025
7	Double Ridged Horn Antenna	EMC INSTRUMENT	DRH18-E	210509A18ES	Aug. 28, 2025
8	Preamplifier	EMC INSTRUMENT	EMC118A45SE	981001	May 31, 2025
9	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
10	Filter	STI	STI15-9969	N/A	Oct. 29, 2025

Radiated Emissions - Above 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Aug. 20, 2025
2	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Oct. 29, 2025
3	Cable	RegalWay	RWLP50-2.6A-2.92M2.92M-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	966 Chamber room	CM	9*6*6	N/A	May 19, 2025
7	Positioning Controller	MF	MF-7802	N/A	N/A
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

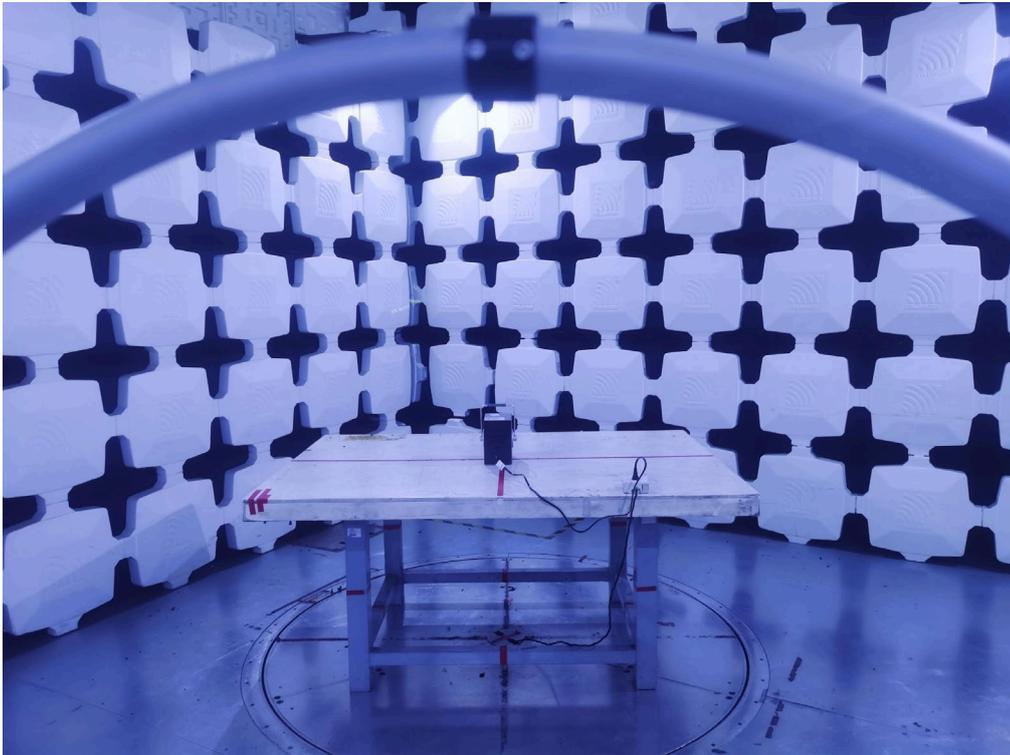
Bandwidth & Maximum Output Power & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A

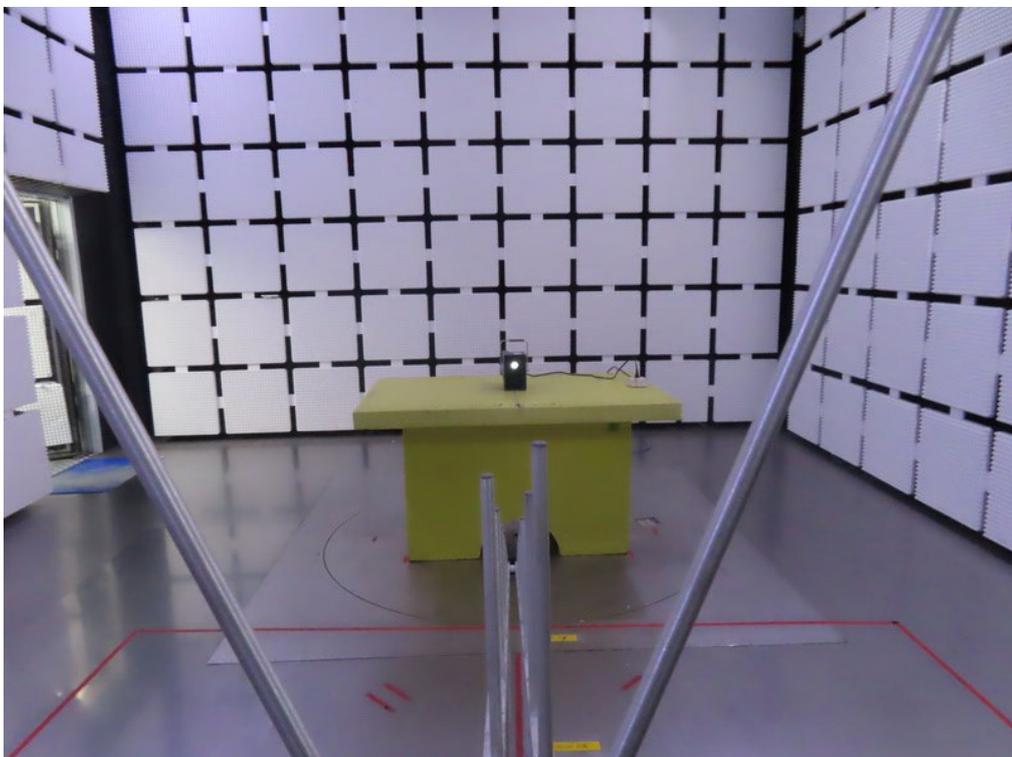
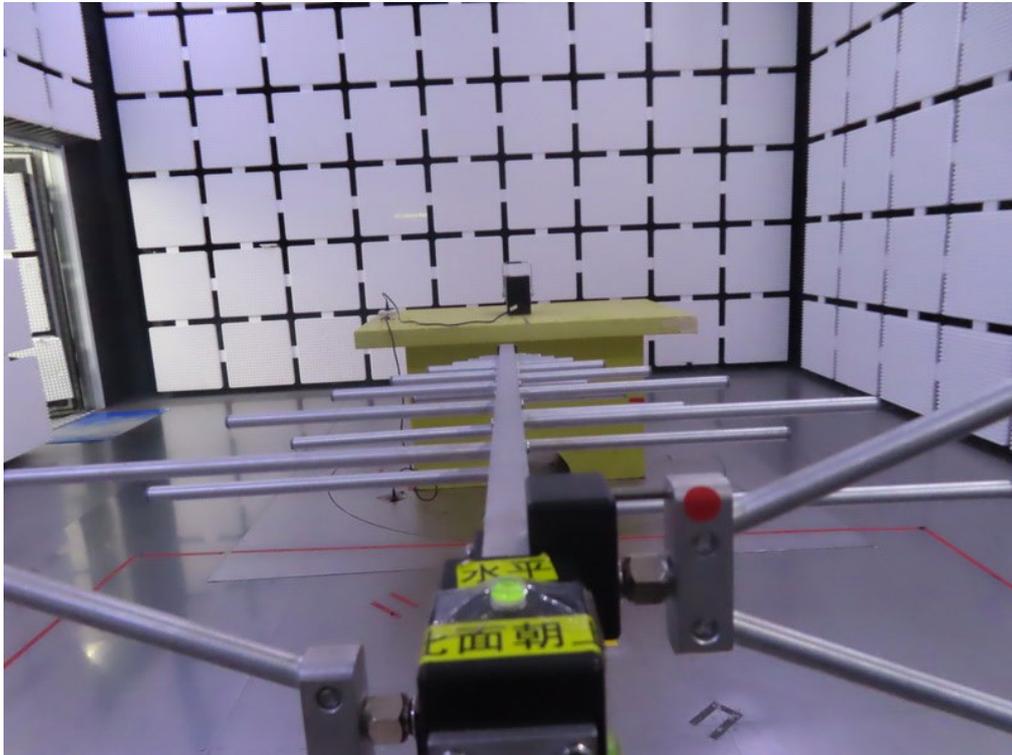
Frequency Stability					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A
4	AC power source	Preen	AFC-S-1250	F123080107	Dec. 06, 2025
5	Table top type high and low temperature test chamber	CEPREI	CEEC-M64T-40	15-008	Dec. 06, 2025
6	Cable	RegalWay	20210802 014	RWP50-402-SMSM-1M	N/A

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

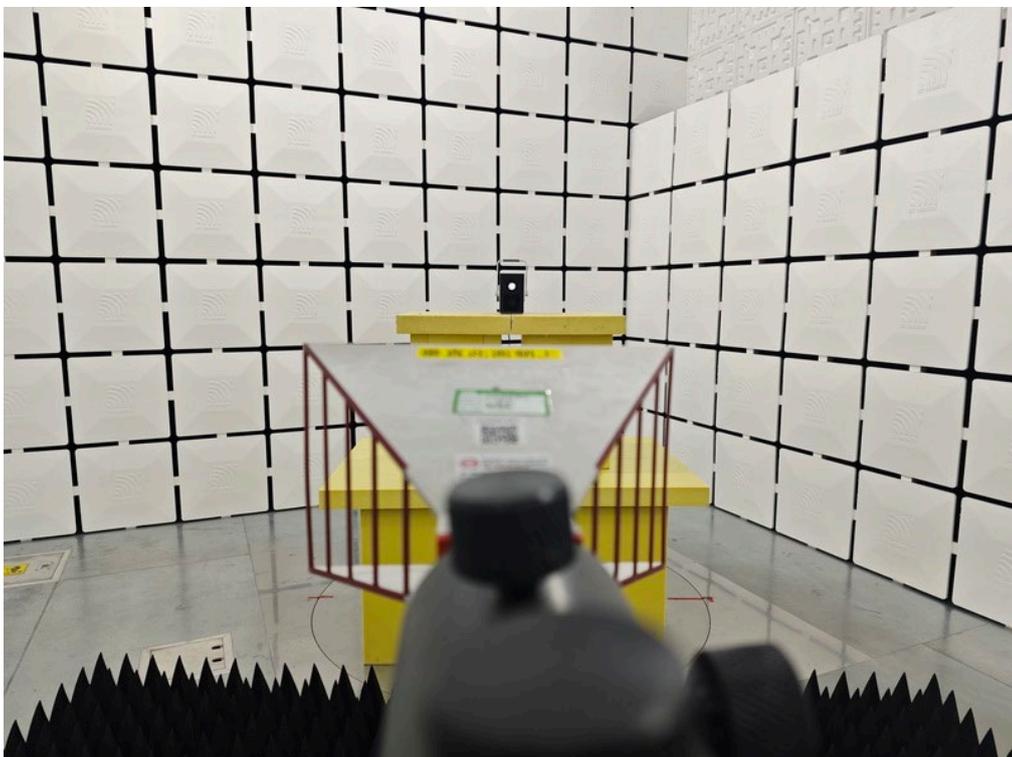
All calibration period of equipment list is one year.

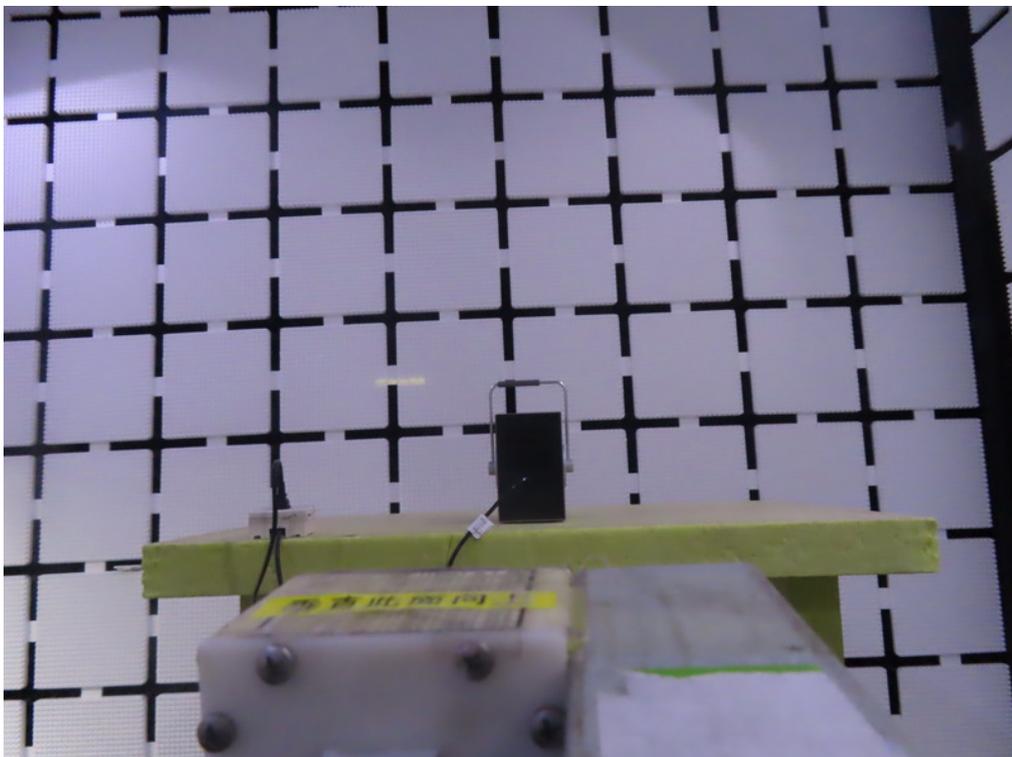
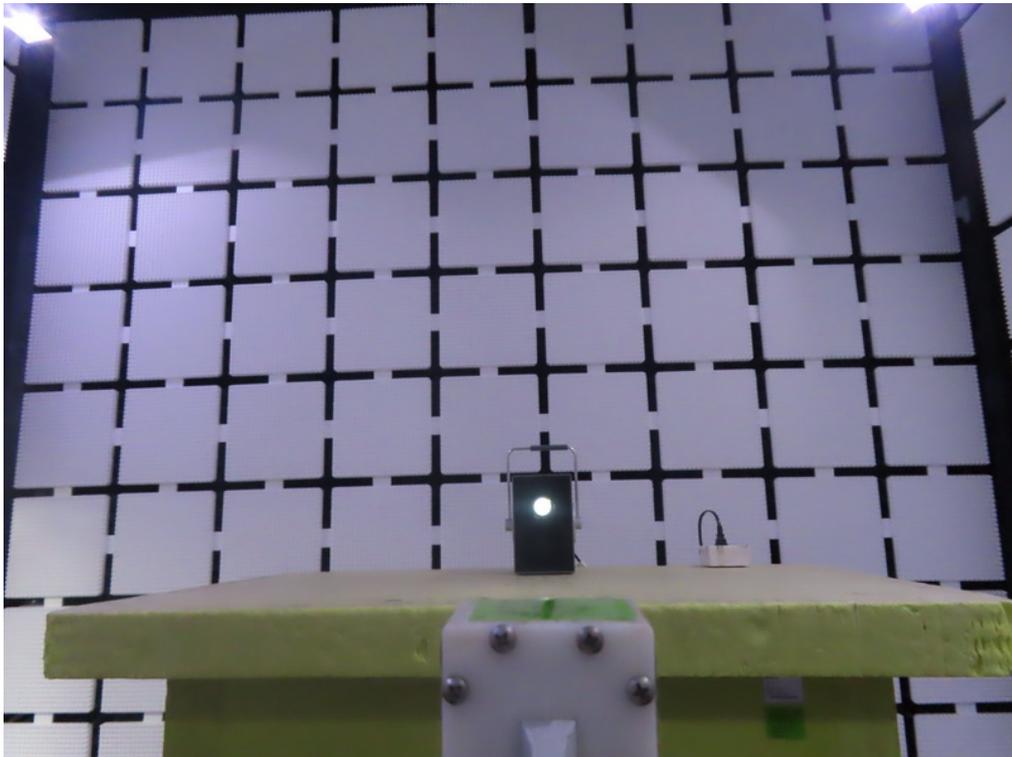
11. EUT TEST PHOTOS**AC Power Line Conducted Emissions Test Photos**

Radiated Emissions Test Photos**9 kHz to 30 MHz**

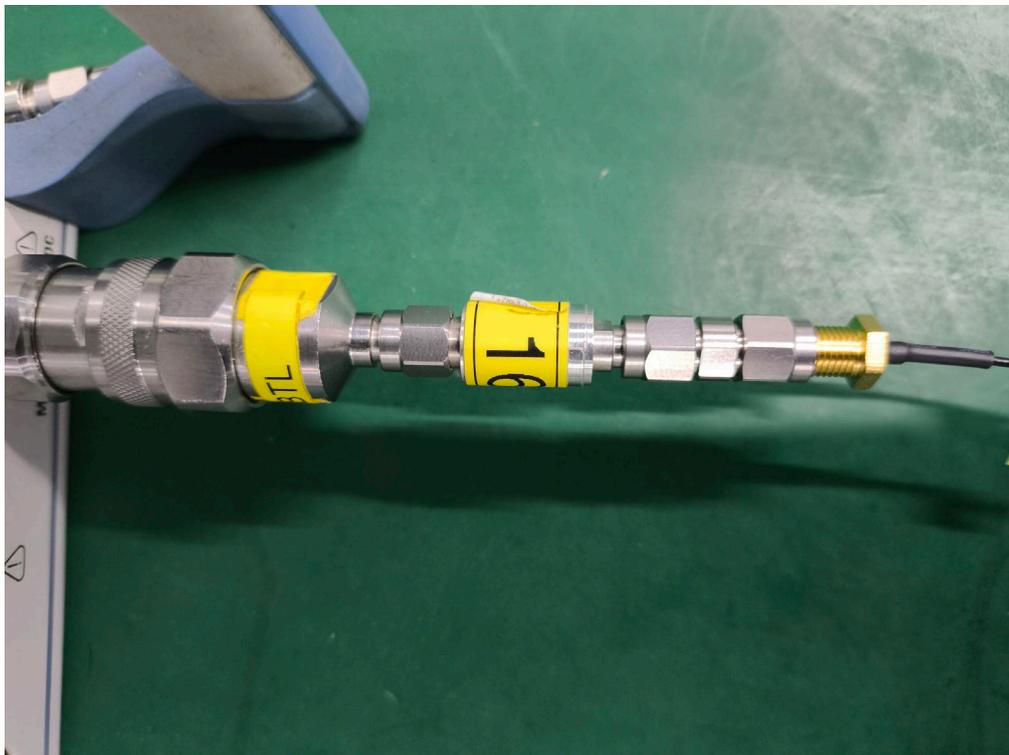
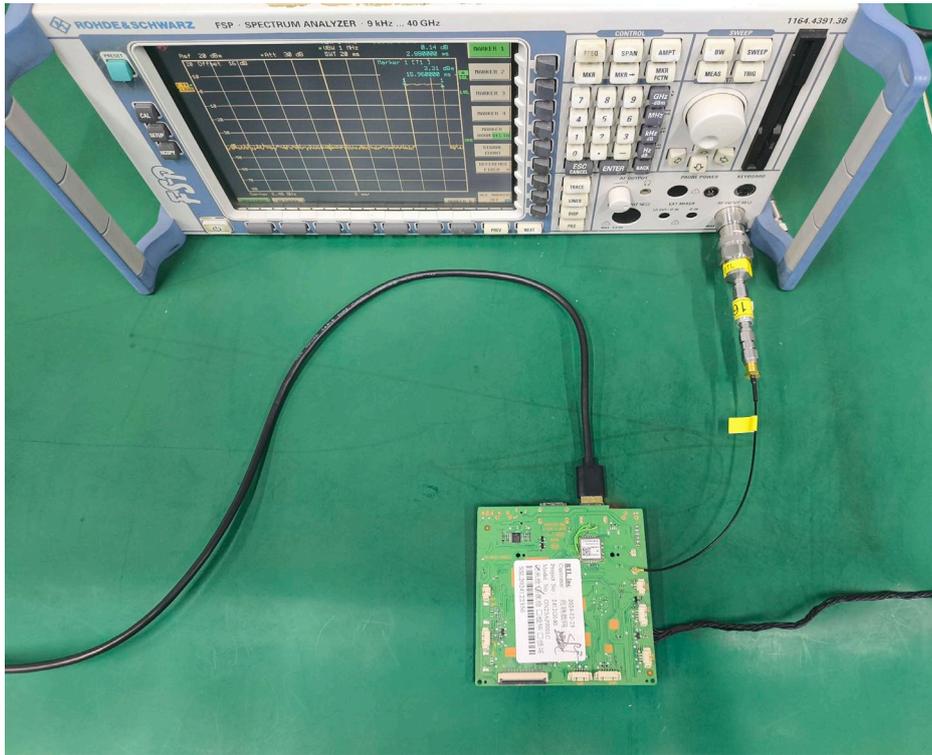
Radiated Emissions Test Photos**30 MHz to 1 GHz**

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



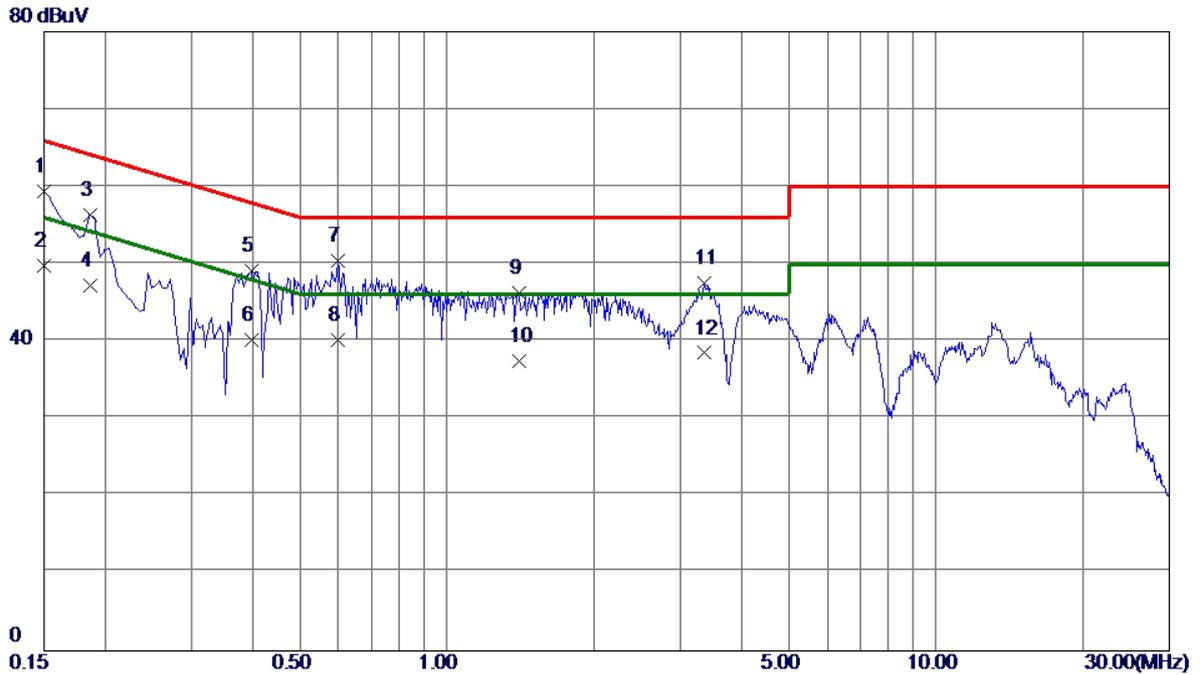
Radiated Emissions Test Photos**Harmonic (Above 18 GHz)**

Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX A Mode Channel 52 (UNII-2A)	Phase	Line
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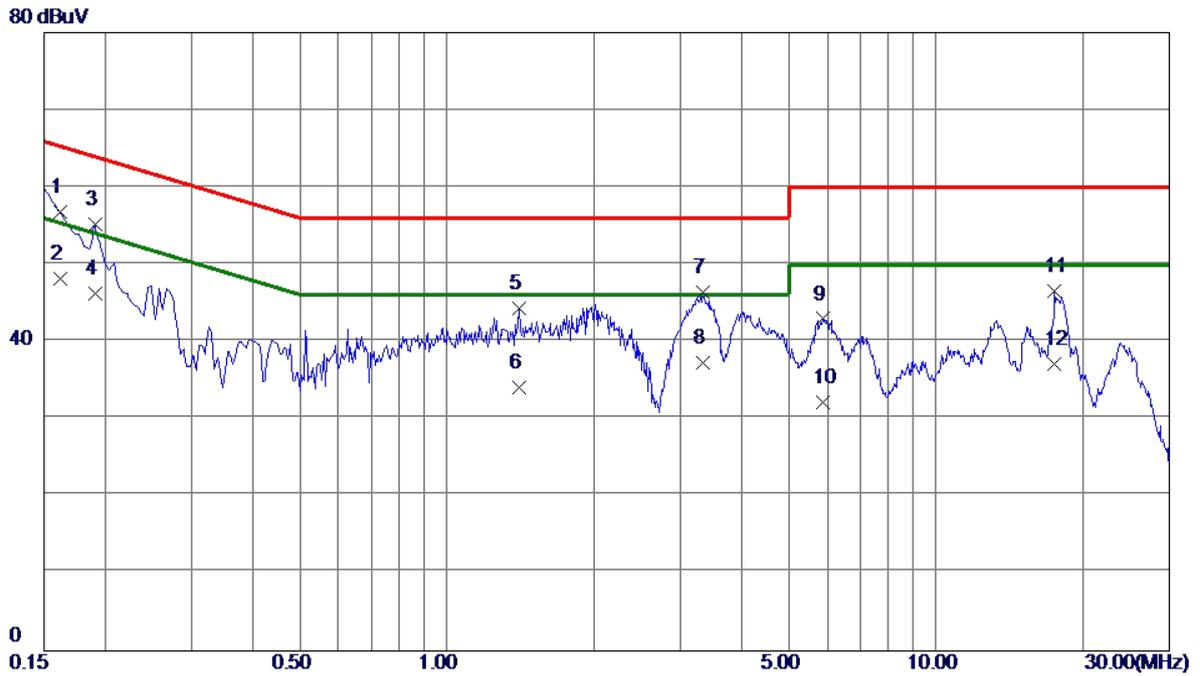


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1500	49.74	9.67	59.41	66.00	-6.59	QP	
2	0.1500	40.10	9.67	49.77	56.00	-6.23	AVG	
3	0.1860	46.70	9.67	56.37	64.21	-7.84	QP	
4	0.1860	37.50	9.67	47.17	54.21	-7.04	AVG	
5	0.3975	39.47	9.70	49.17	57.91	-8.74	QP	
6	0.3975	30.40	9.70	40.10	47.91	-7.81	AVG	
7 *	0.6000	40.65	9.72	50.37	56.00	-5.63	QP	
8	0.6000	30.40	9.72	40.12	46.00	-5.88	AVG	
9	1.4055	36.50	9.79	46.29	56.00	-9.71	QP	
10	1.4055	27.60	9.79	37.39	46.00	-8.61	AVG	
11	3.3630	37.59	9.88	47.47	56.00	-8.53	QP	
12	3.3630	28.60	9.88	38.48	46.00	-7.52	AVG	

REMARKS:

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

Test Mode	TX A Mode Channel 52 (UNII-2A)	Phase	Neutral
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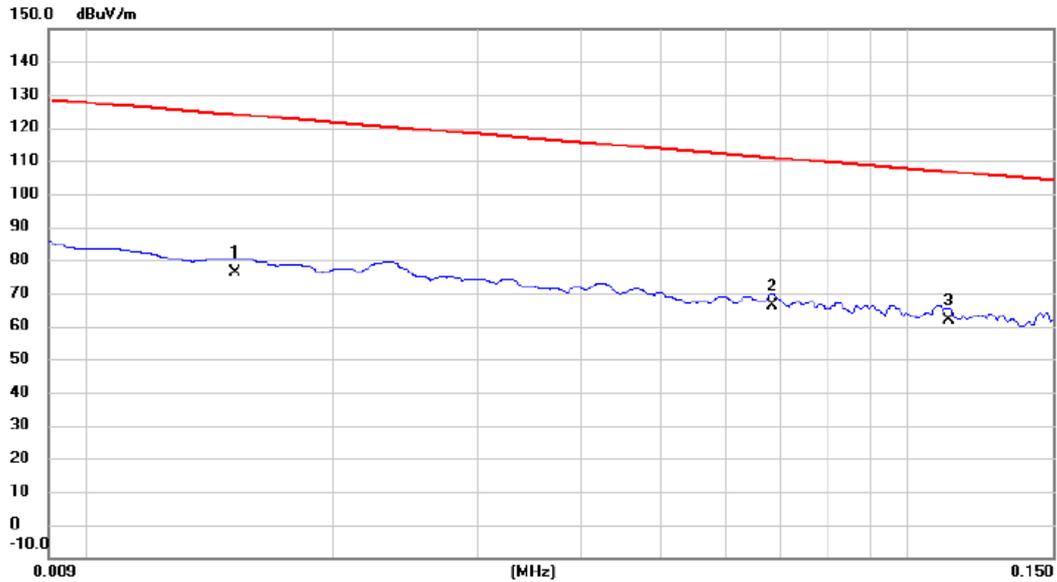
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1615	47.11	9.68	56.79	65.39	-8.60	QP	
2 *	0.1615	38.50	9.68	48.18	55.39	-7.21	AVG	
3	0.1905	45.48	9.69	55.17	64.01	-8.84	QP	
4	0.1905	36.50	9.69	46.19	54.01	-7.82	AVG	
5	1.4055	34.55	9.79	44.34	56.00	-11.66	QP	
6	1.4055	24.30	9.79	34.09	46.00	-11.91	AVG	
7	3.3360	36.50	9.88	46.38	56.00	-9.62	QP	
8	3.3360	27.40	9.88	37.28	46.00	-8.72	AVG	
9	5.8830	32.97	9.99	42.96	60.00	-17.04	QP	
10	5.8830	22.11	9.99	32.10	50.00	-17.90	AVG	
11	17.5020	36.23	10.27	46.50	60.00	-13.50	QP	
12	17.5020	26.81	10.27	37.08	50.00	-12.92	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 A Mode Channel 52 (UNII-2A)	Polarization	Ant 0°
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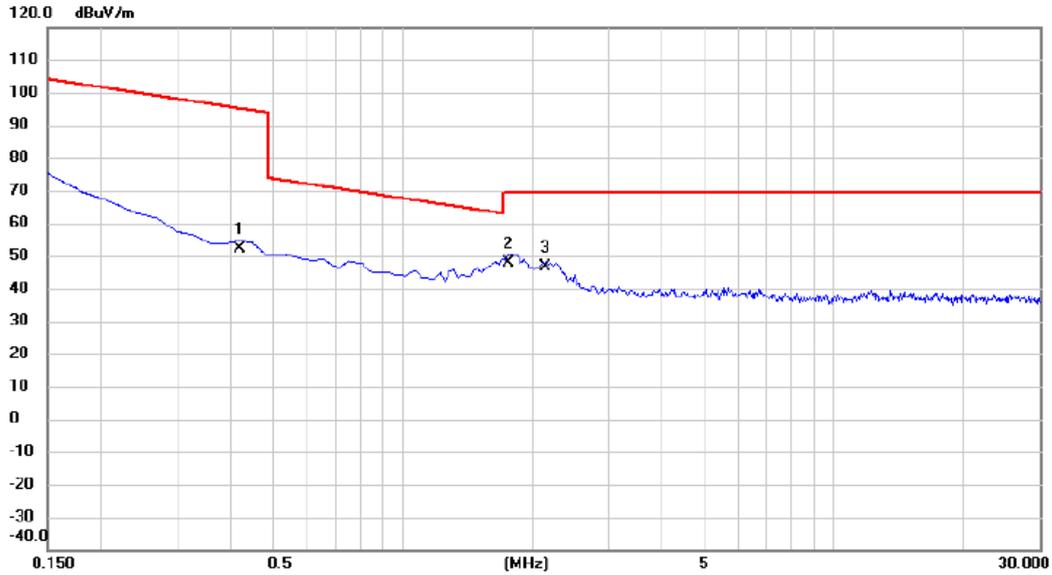


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0152	55.38	20.70	76.08	123.97	-47.89	AVG	
2		0.0684	44.91	21.30	66.21	110.90	-44.69	AVG	
3	*	0.1120	40.65	21.32	61.97	106.62	-44.65	AVG	

REMARKS:

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

Test Mode	TX A Mode Channel 52 (UNII-2A)	Polarization	Ant 0°
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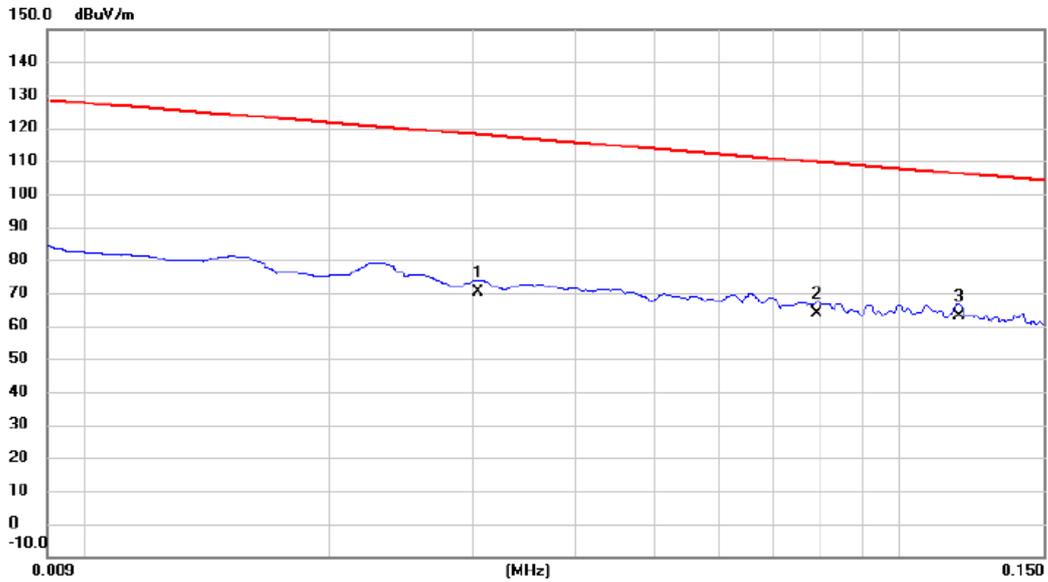


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.4193	31.03	21.05	52.08	95.15	-43.07	AVG	
2 *	1.7620	26.84	21.13	47.97	69.54	-21.57	QP	
3	2.1500	25.41	21.11	46.52	69.54	-23.02	QP	

REMARKS:

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

Test Mode	TX A Mode Channel 52 (UNII-2A)	Polarization	Ant 90°
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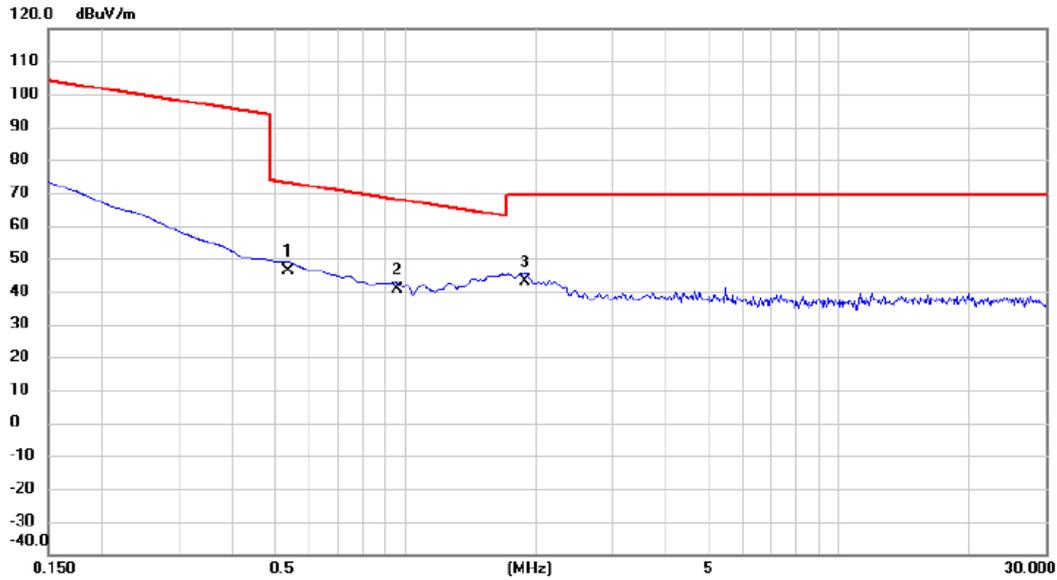


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0304	48.91	21.14	70.05	117.95	-47.90	AVG	
2		0.0792	42.38	21.34	63.72	109.63	-45.91	AVG	
3	*	0.1181	41.69	21.31	63.00	106.16	-43.16	AVG	

REMARKS:

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

Test Mode	TX A Mode Channel 52 (UNII-2A)	Polarization	Ant 90°
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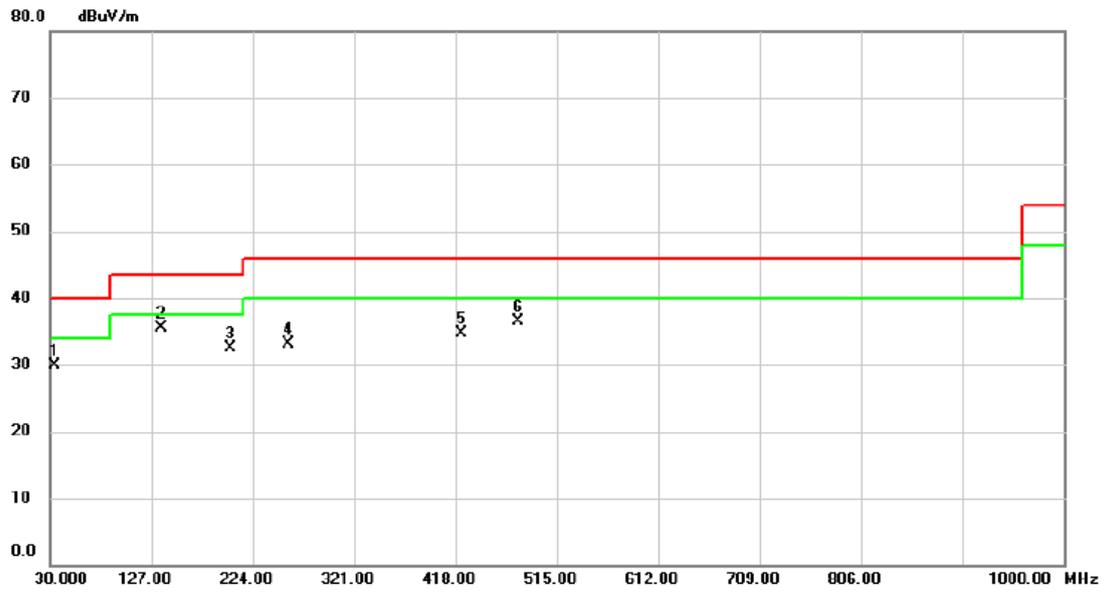
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.5381	25.16	21.07	46.23	72.99	-26.76	QP	
2		0.9560	19.48	21.19	40.67	68.00	-27.33	QP	
3	*	1.8813	22.03	21.12	43.15	69.54	-26.39	QP	

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 A Mode Channel 52 (UNII-2A)	Polarization	Vertical
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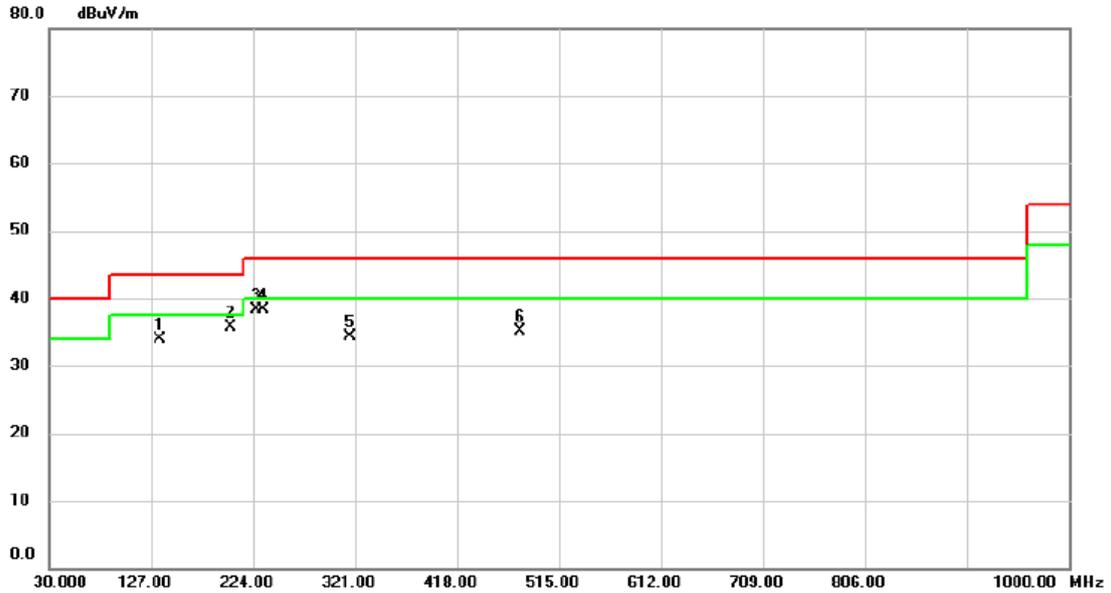


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		34.850	42.29	-12.35	29.94	40.00	-10.06	peak	
2	*	136.700	47.78	-12.19	35.59	43.50	-7.91	peak	
3		202.660	47.21	-14.67	32.54	43.50	-10.96	peak	
4		257.950	45.65	-12.45	33.20	46.00	-12.80	peak	
5		423.820	42.62	-7.91	34.71	46.00	-11.29	peak	
6		478.140	43.14	-6.62	36.52	46.00	-9.48	peak	

REMARKS:

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

Test Mode	TX A Mode Channel 52 (UNII-2A)	Polarization	Horizontal
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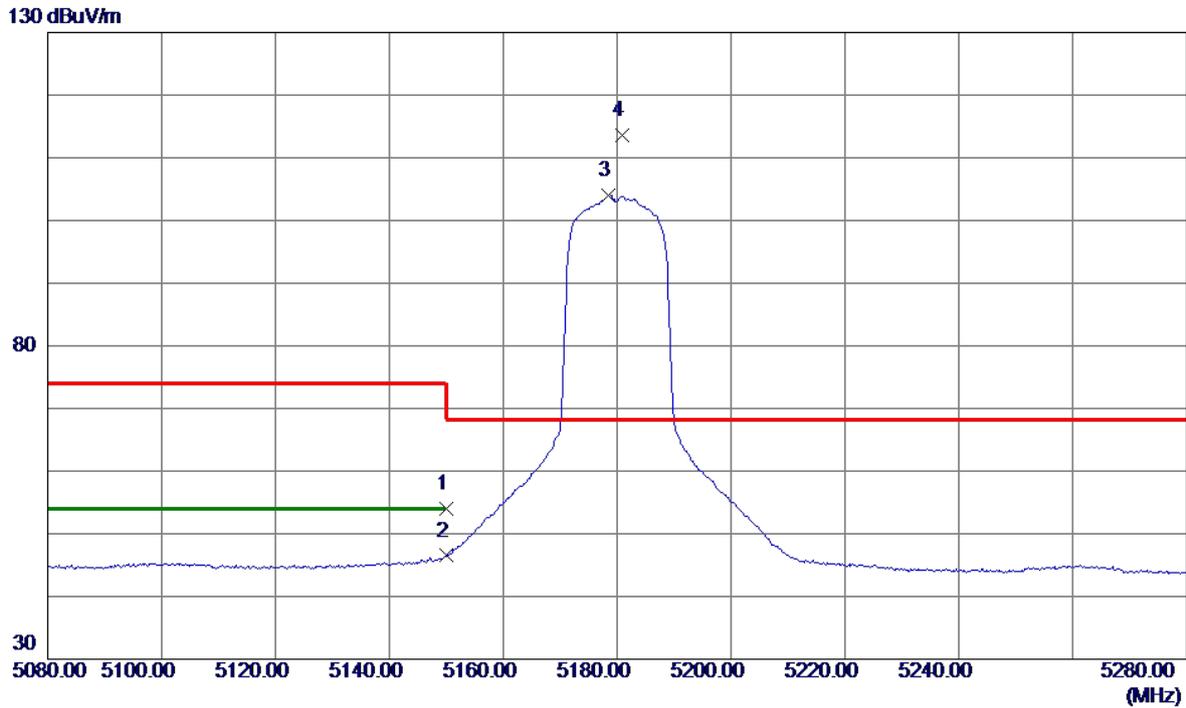
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	135.730	46.19	-12.27	33.92	43.50	-9.58	peak	
2	202.660	50.38	-14.67	35.71	43.50	-7.79	peak	
3 *	226.910	52.36	-14.08	38.28	46.00	-7.72	peak	
4	233.700	51.68	-13.47	38.21	46.00	-7.79	peak	
5	316.150	44.70	-10.34	34.36	46.00	-11.64	peak	
6	478.140	41.77	-6.62	35.15	46.00	-10.85	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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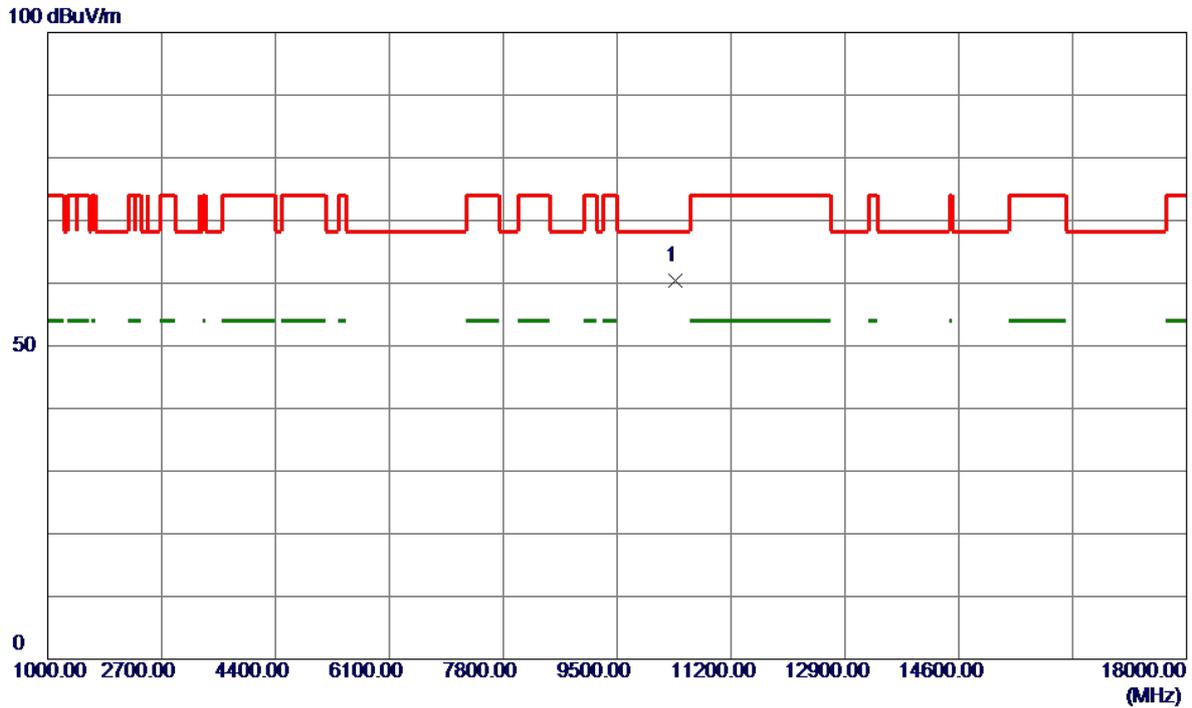


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	39.81	14.19	54.00	74.00	-20.00	Peak	
2	5150.0000	32.31	14.19	46.50	54.00	-7.50	AVG	
3	5178.4000	89.79	14.19	103.98	999.00	-895.02	AVG	No Limit
4 *	5180.8000	99.42	14.19	113.61	68.20	45.41	Peak	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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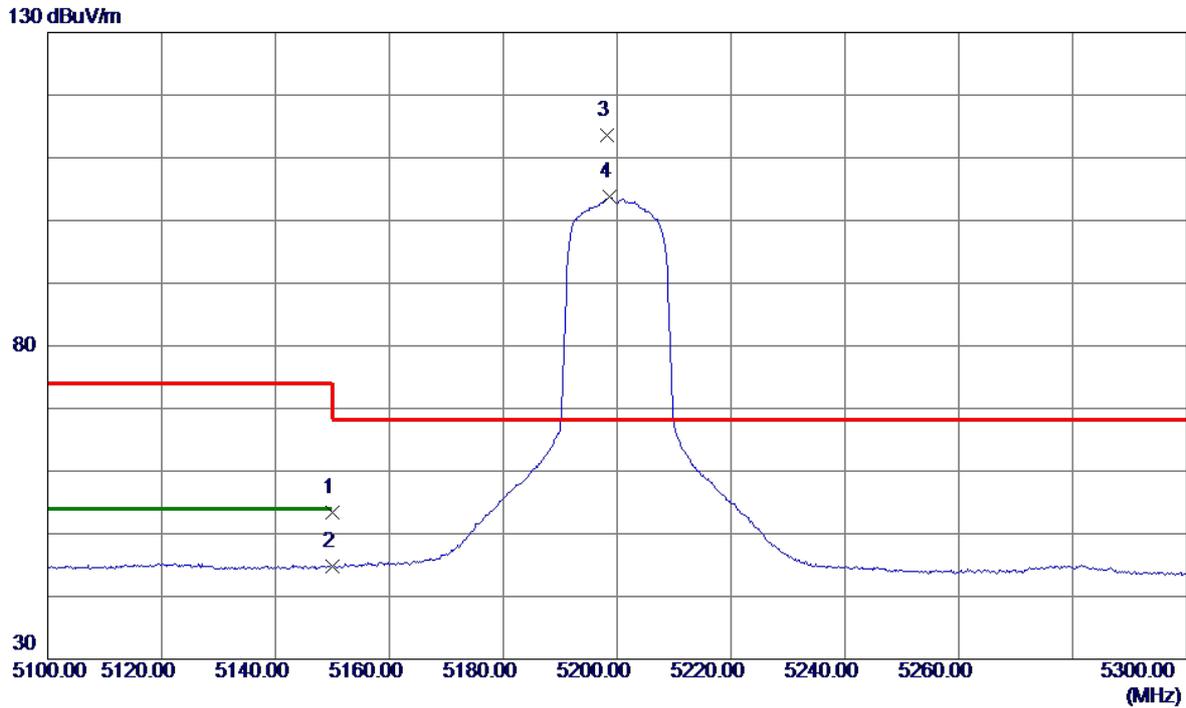


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10361.1500	49.54	10.83	60.37	68.20	-7.83	Peak	

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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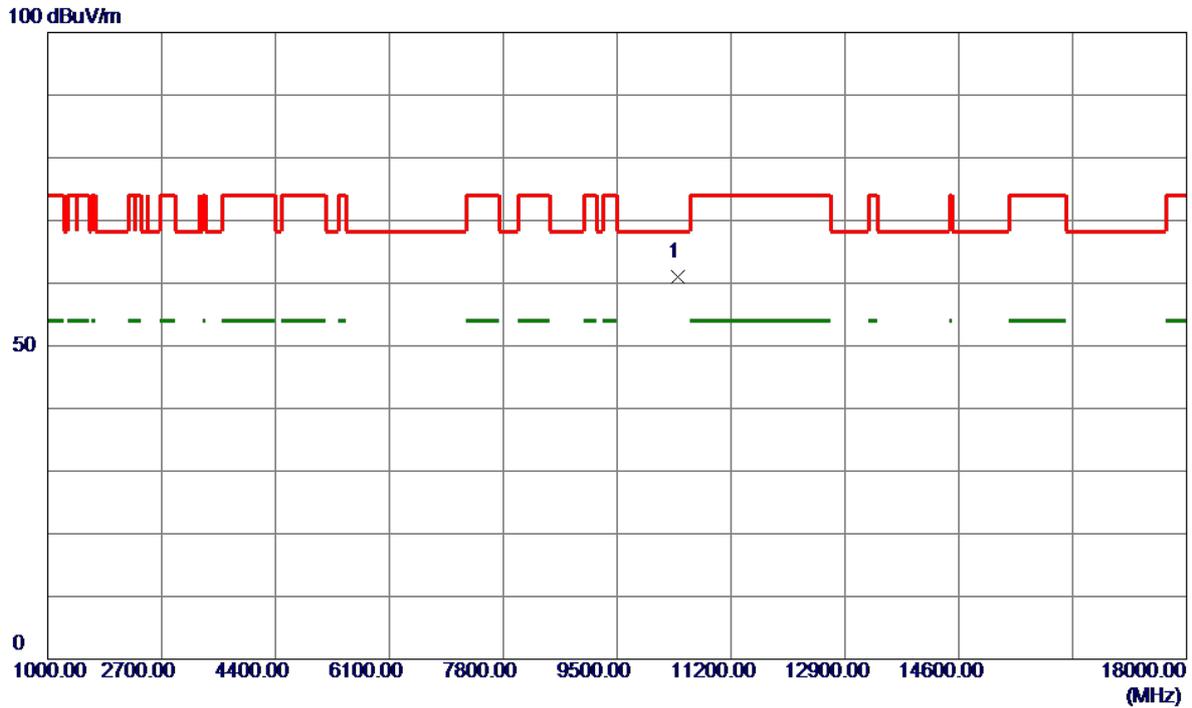


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	39.19	14.19	53.38	74.00	-20.62	Peak	
2	5150.0000	30.63	14.19	44.82	54.00	-9.18	AVG	
3 *	5198.2000	99.36	14.20	113.56	68.20	45.36	Peak	No Limit
4	5198.6000	89.51	14.20	103.71	999.00	-895.29	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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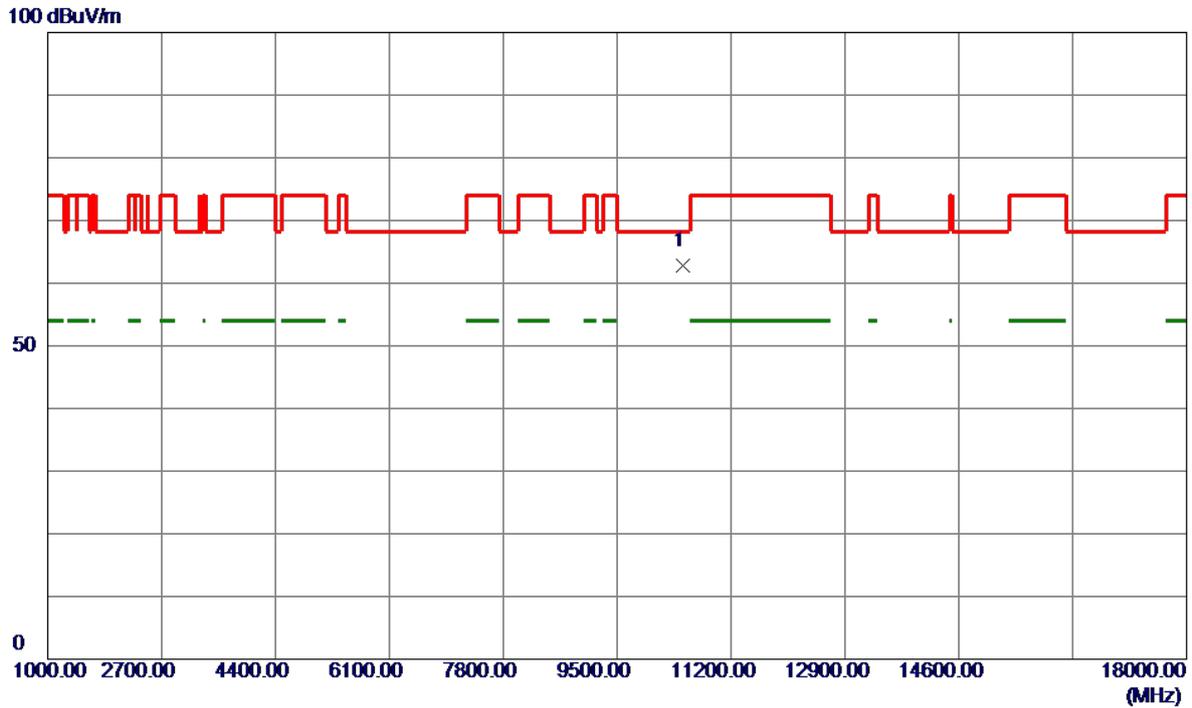


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10398.1500	50.12	10.81	60.93	68.20	-7.27	Peak	

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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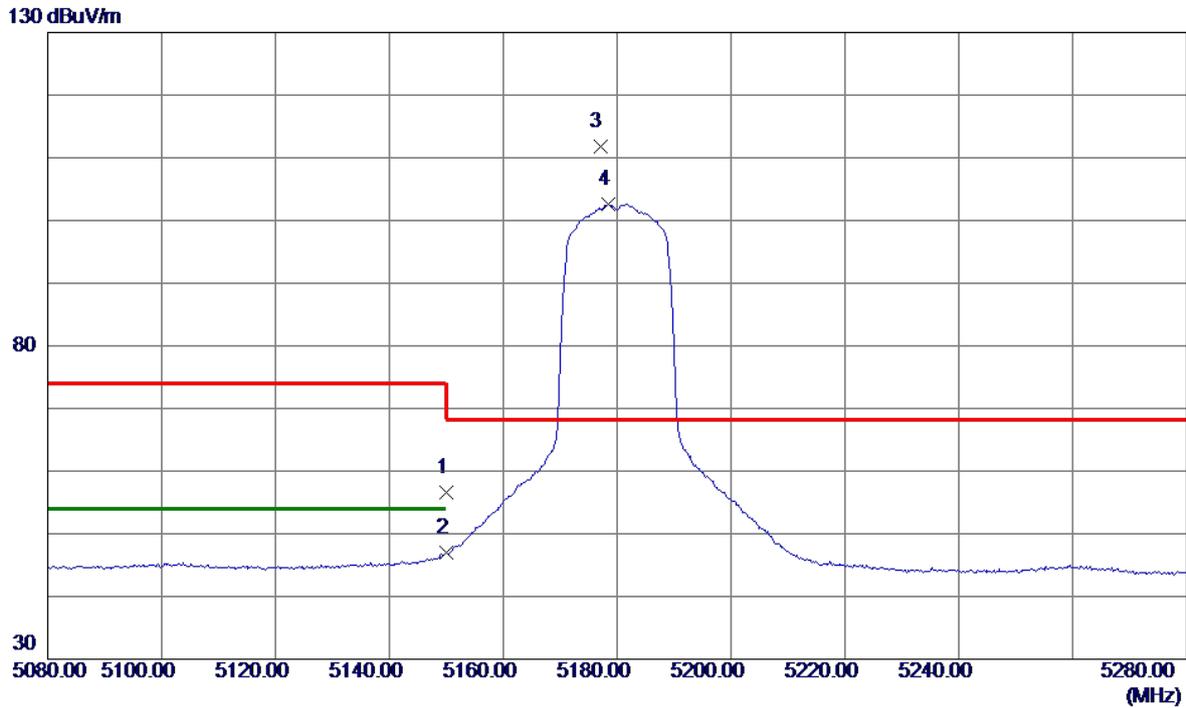


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10479.5500	52.08	10.76	62.84	68.20	-5.36	Peak	

REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5180 MHz	Polarization	Vertical
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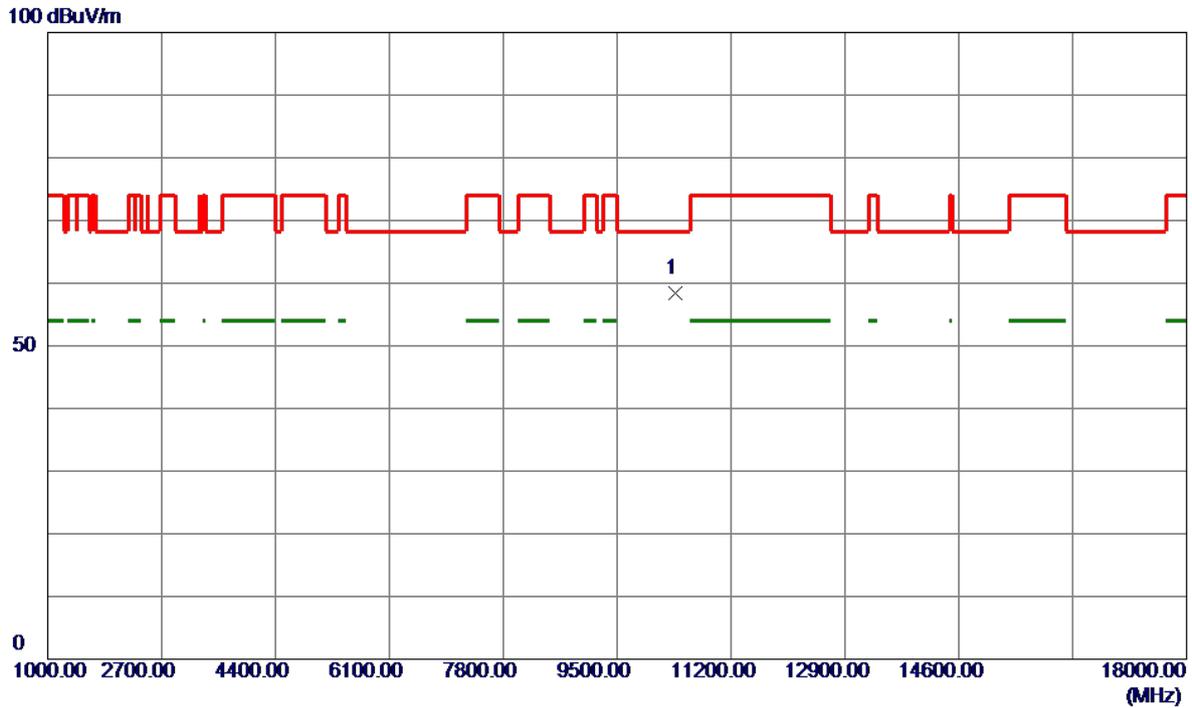


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	42.48	14.19	56.67	74.00	-17.33	Peak	
2	5150.0000	32.84	14.19	47.03	54.00	-6.97	AVG	
3 *	5177.0000	97.57	14.19	111.76	68.20	43.56	Peak	No Limit
4	5178.4000	88.39	14.19	102.58	999.00	-896.42	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5180 MHz	Polarization	Vertical
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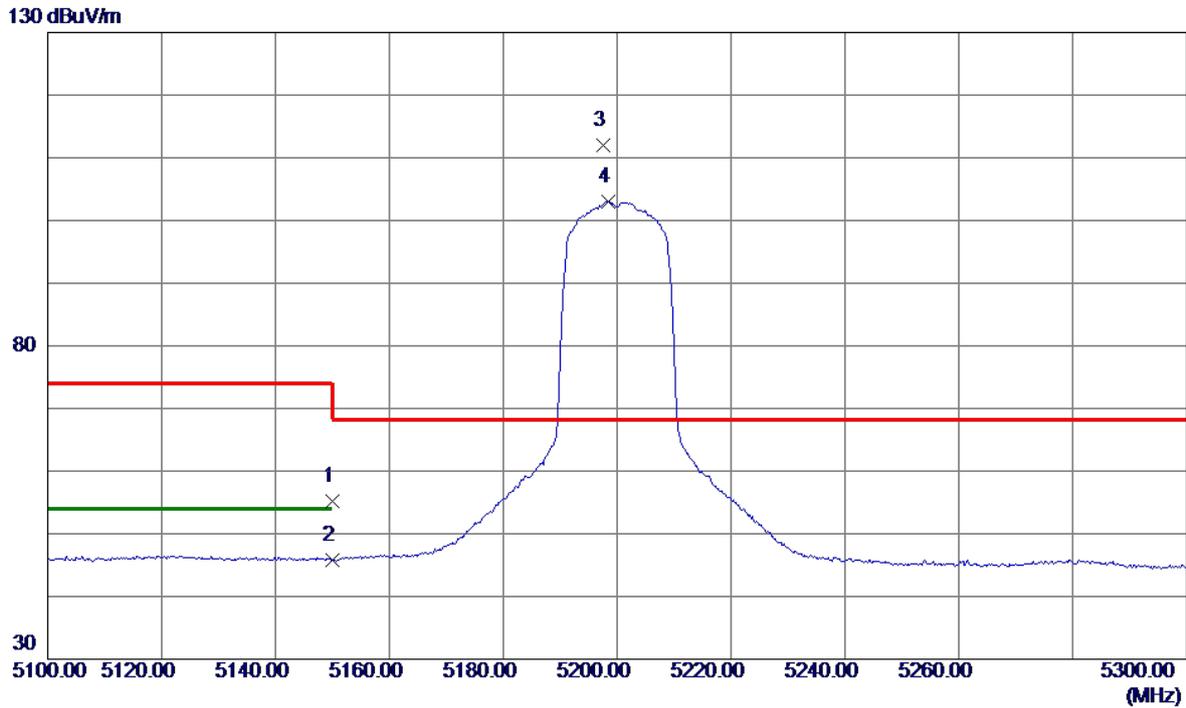


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10360.9500	47.65	10.83	58.48	68.20	-9.72	Peak	

REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5200 MHz	Polarization	Vertical
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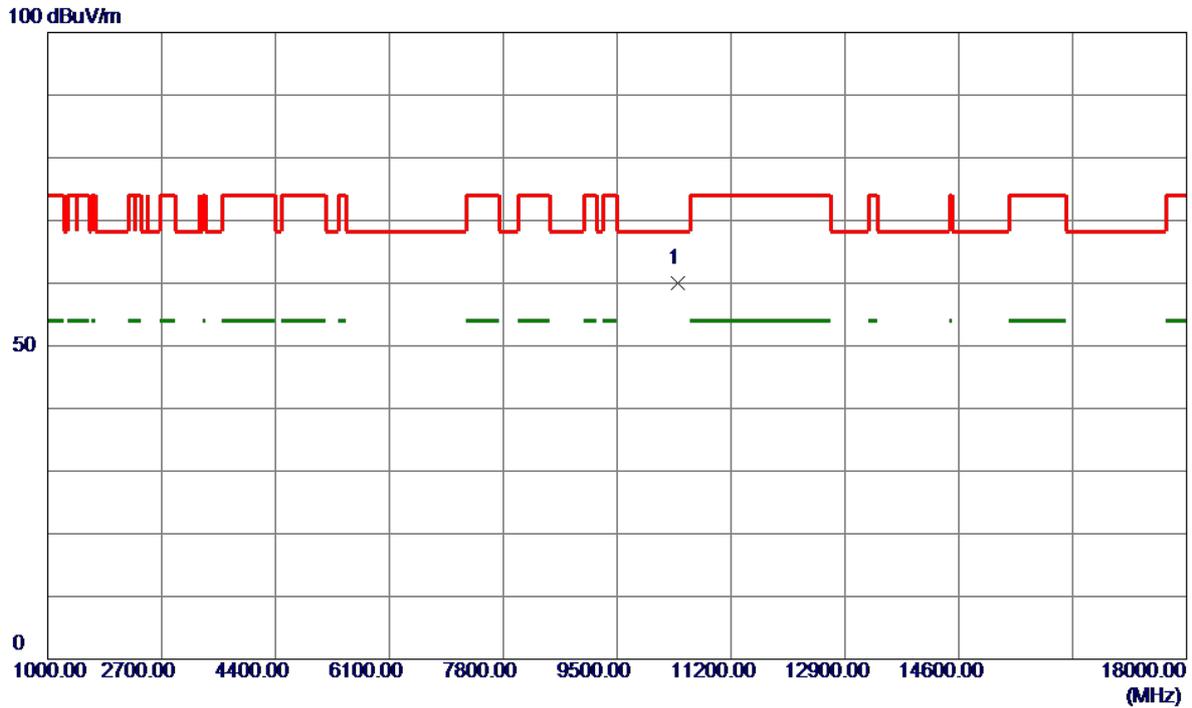


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	40.96	14.19	55.15	74.00	-18.85	Peak	
2	5150.0000	31.62	14.19	45.81	54.00	-8.19	AVG	
3 *	5197.6000	97.89	14.20	112.09	68.20	43.89	Peak	No Limit
4	5198.4000	88.79	14.20	102.99	999.00	-896.01	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5200 MHz	Polarization	Vertical
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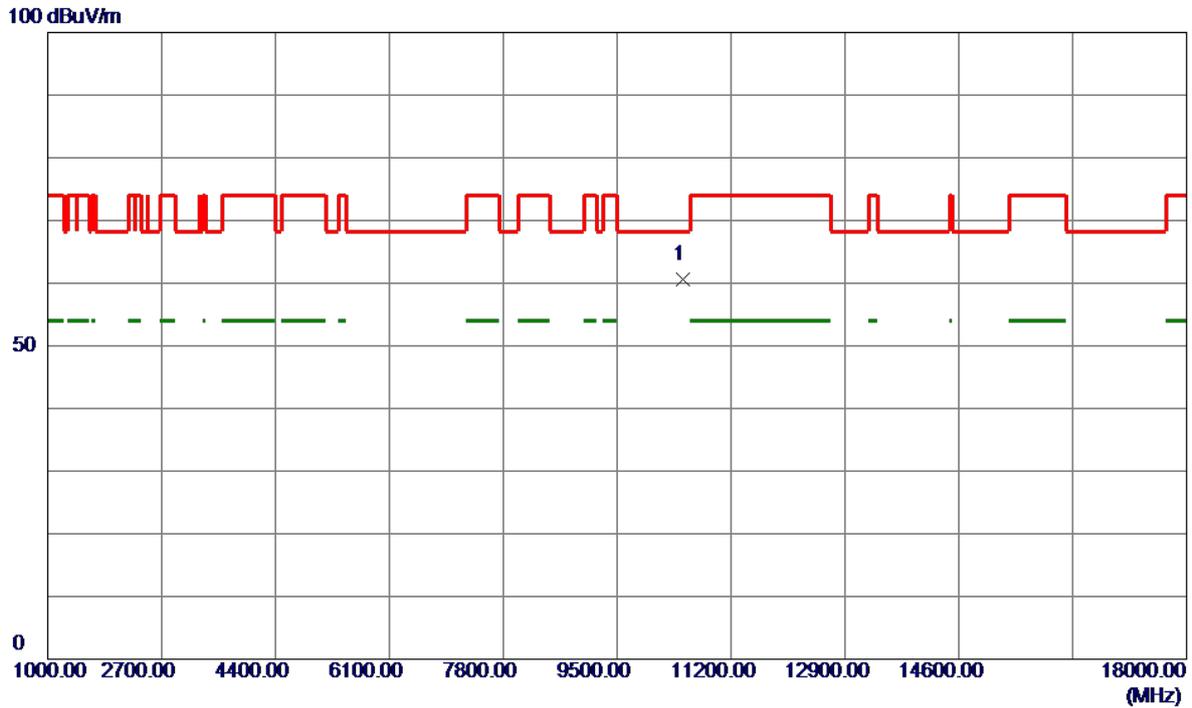


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10401.1500	49.14	10.81	59.95	68.20	-8.25	Peak	

REMARKS:

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

Test Mode	UNII-1_TX N(HT20) Mode 5240 MHz	Polarization	Vertical
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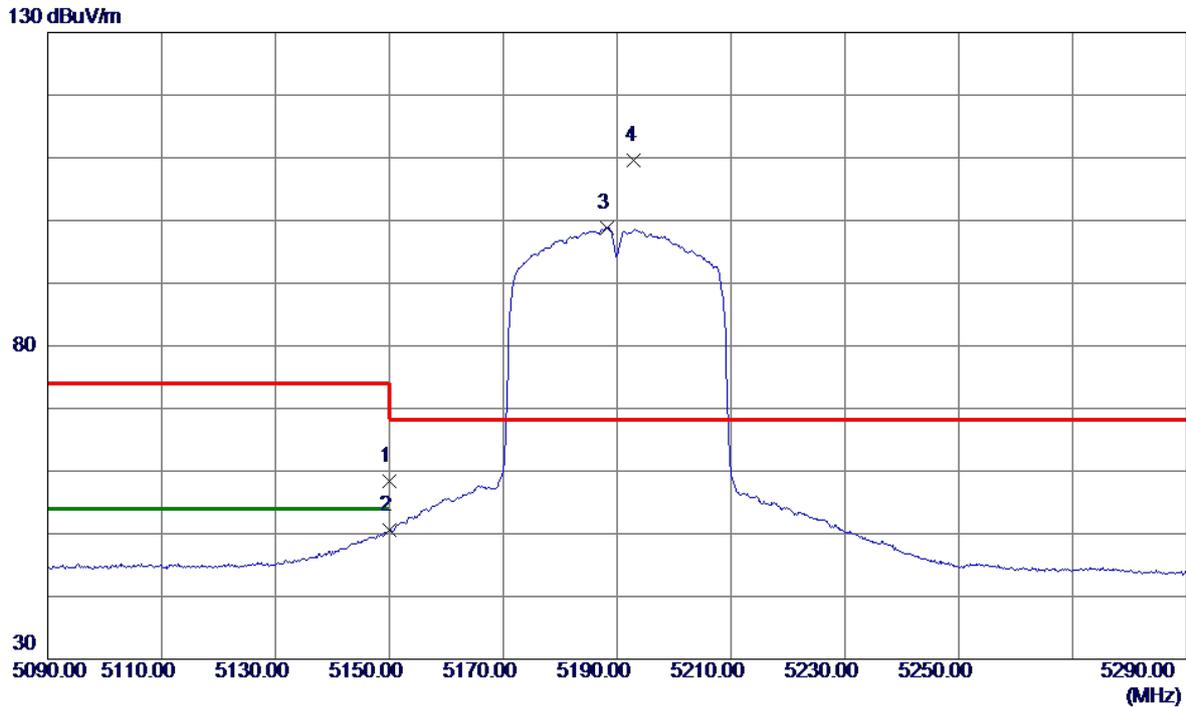


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10481.3500	49.76	10.76	60.52	68.20	-7.68	Peak	

REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5190 MHz	Polarization	Vertical
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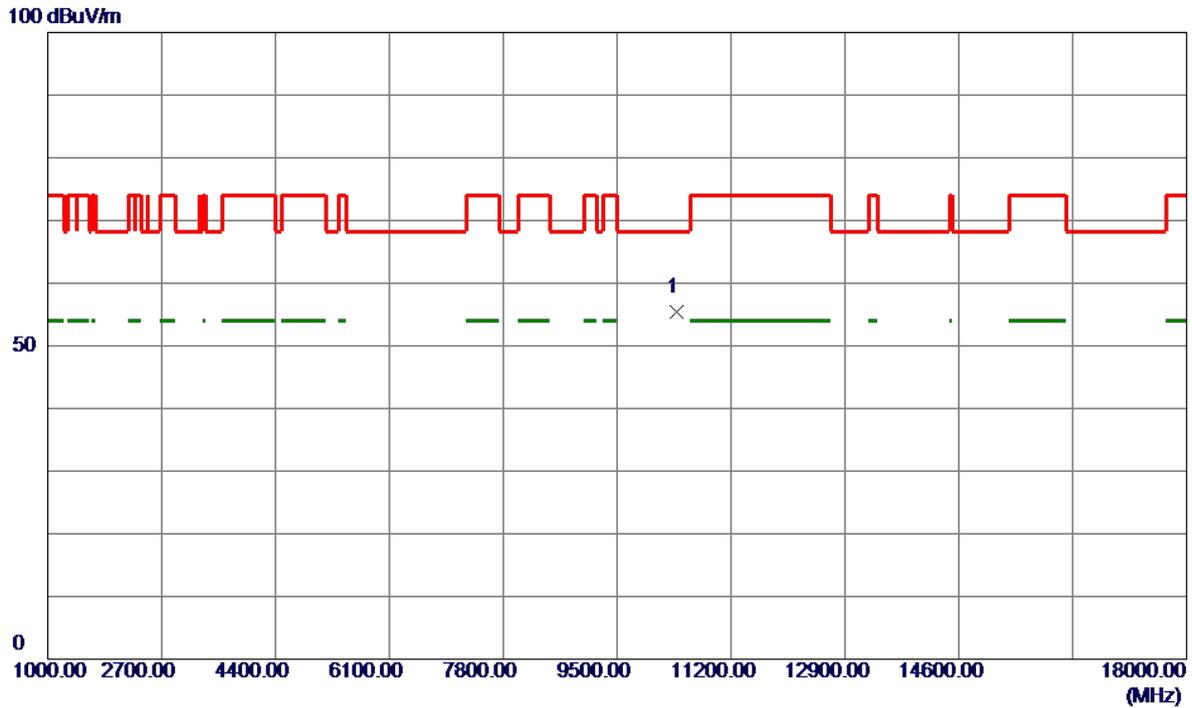


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	44.14	14.19	58.33	74.00	-15.67	Peak	
2	5150.0000	36.35	14.19	50.54	54.00	-3.46	AVG	
3	5188.2000	84.66	14.19	98.85	999.00	-900.15	AVG	No Limit
4 *	5193.0000	95.32	14.20	109.52	68.20	41.32	Peak	No Limit

REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5190 MHz	Polarization	Vertical
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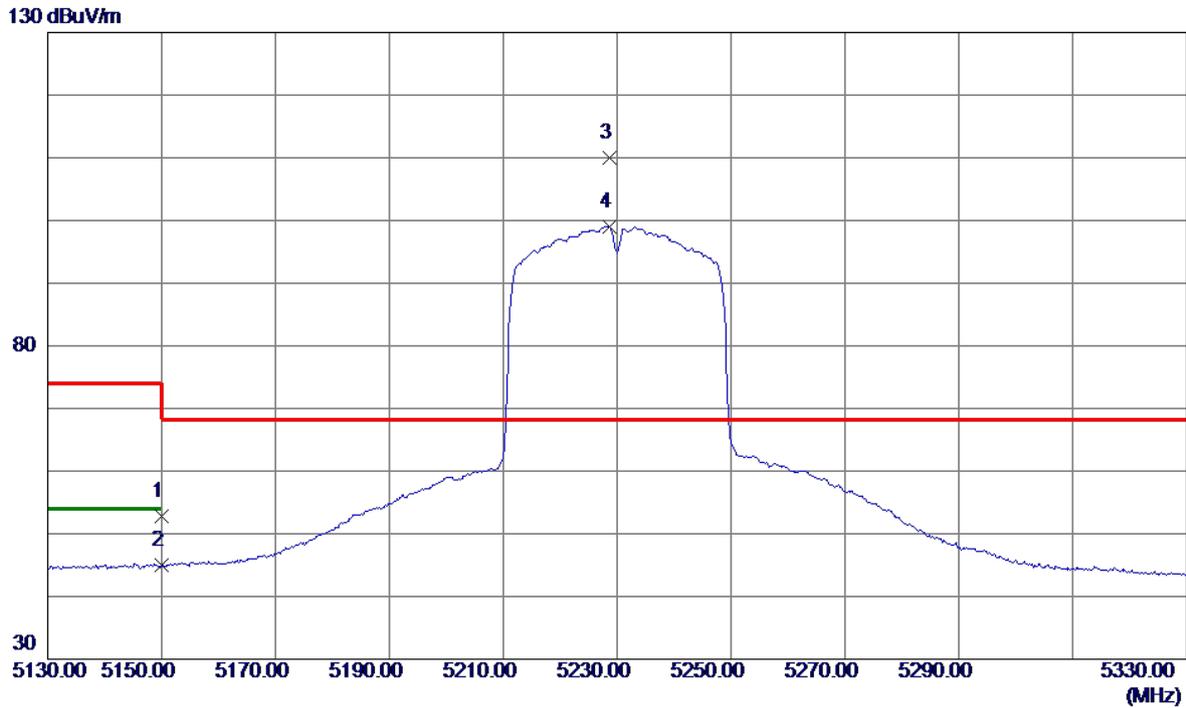


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10385.8000	44.53	10.82	55.35	68.20	-12.85	Peak	

REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5230 MHz	Polarization	Vertical
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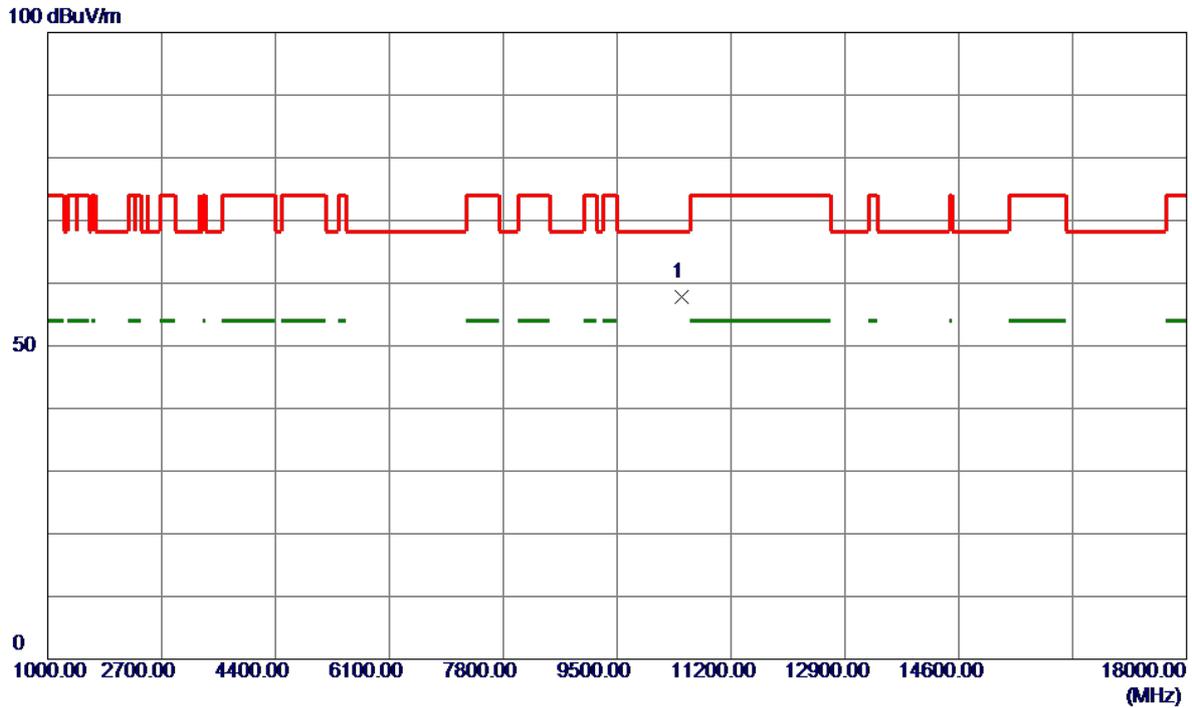


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5150.0000	38.58	14.19	52.77	74.00	-21.23	Peak	
2	5150.0000	30.78	14.19	44.97	54.00	-9.03	AVG	
3 *	5228.6000	95.82	14.20	110.02	68.20	41.82	Peak	No Limit
4	5228.6000	84.90	14.20	99.10	999.00	-899.90	AVG	No Limit

REMARKS:

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

Test Mode	UNII-1_TX N(HT40) Mode 5230 MHz	Polarization	Vertical
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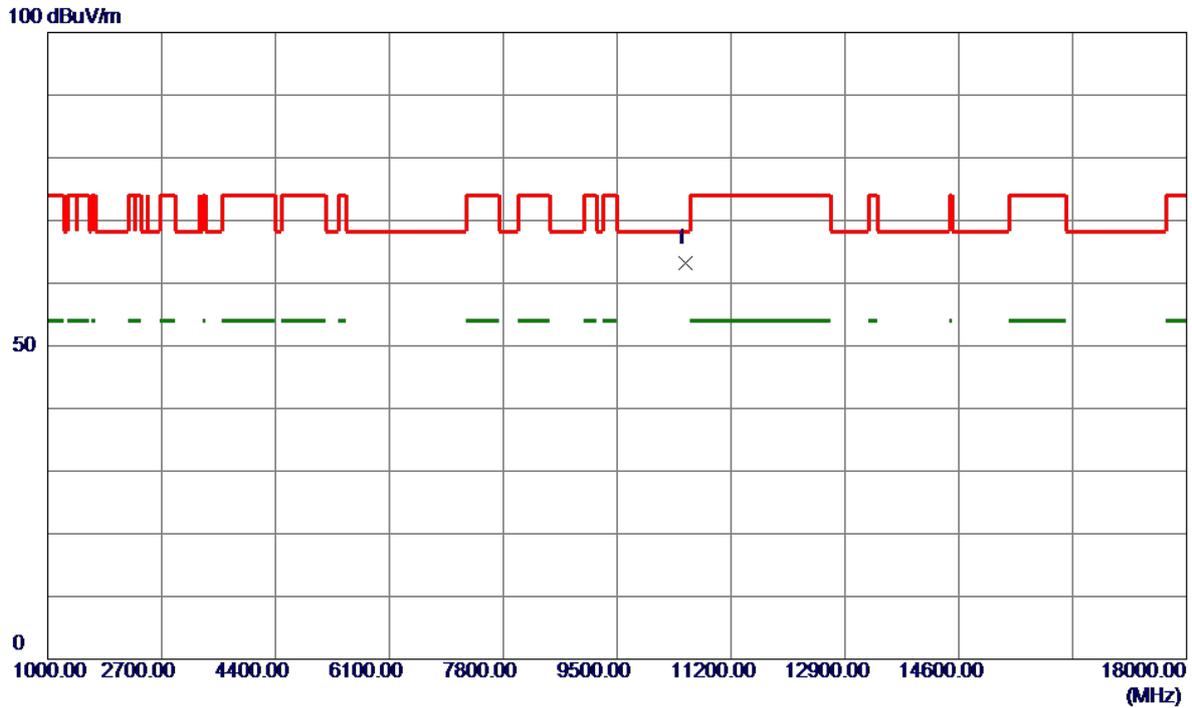


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10464.0500	47.12	10.77	57.89	68.20	-10.31	Peak	

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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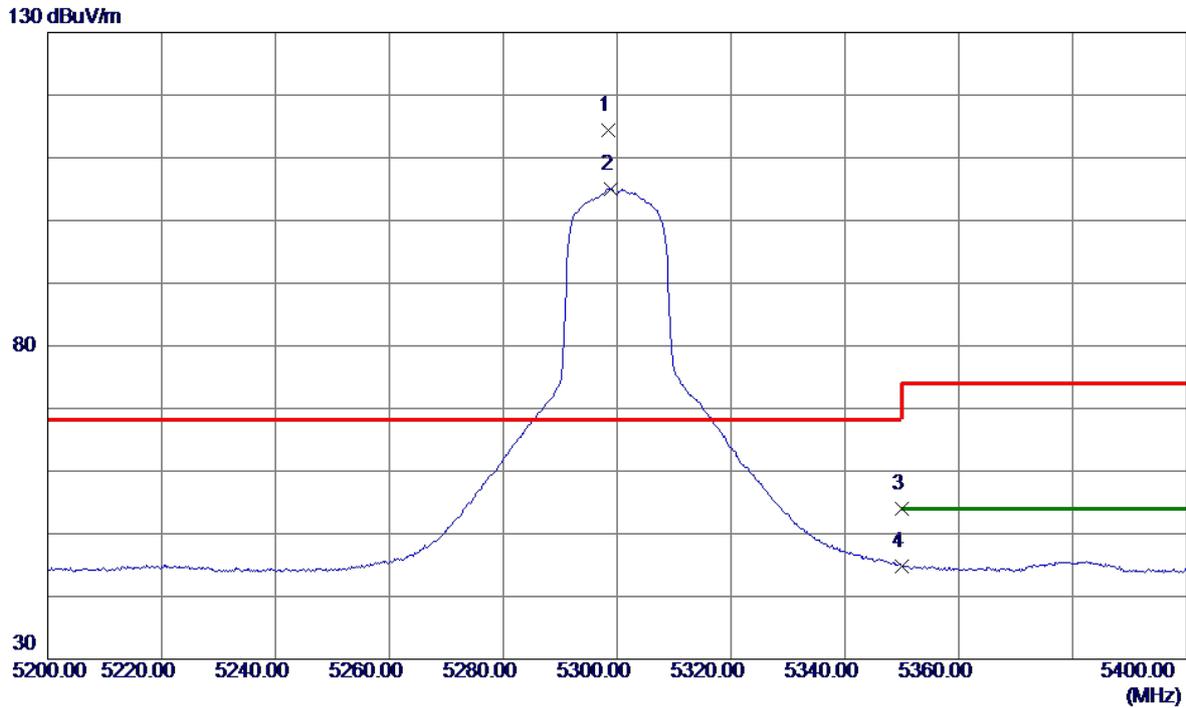


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10516.2500	52.54	10.75	63.29	68.20	-4.91	Peak	

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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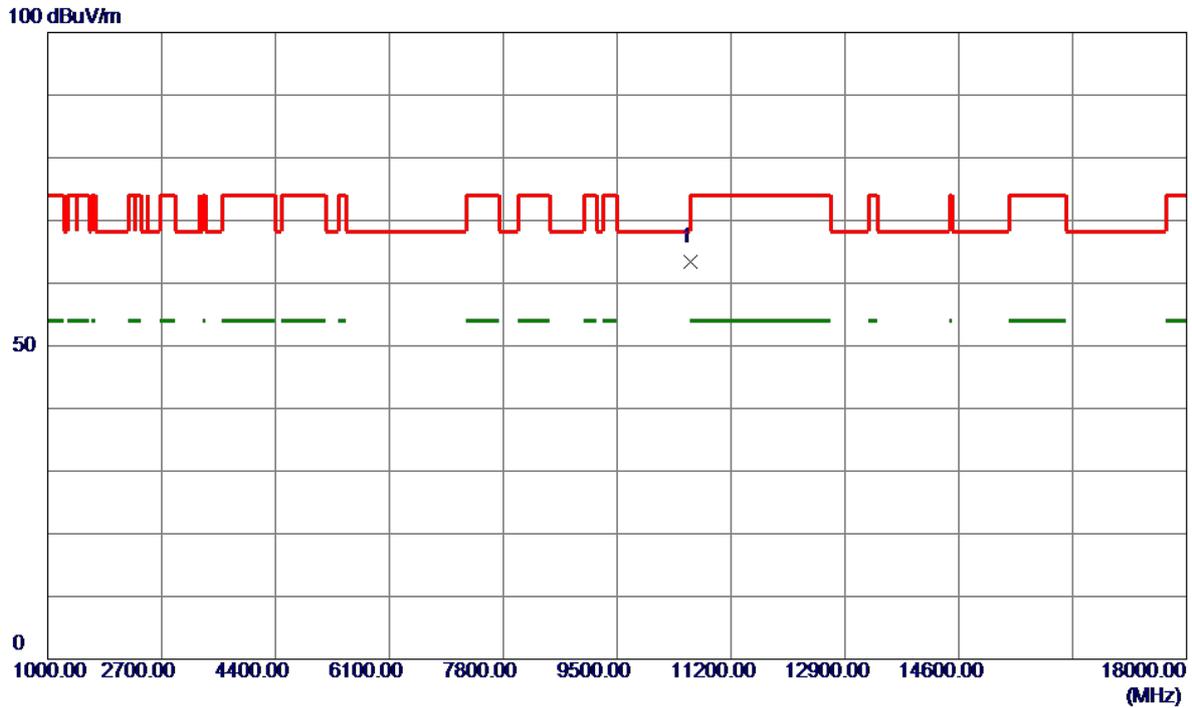


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5298.4000	100.22	14.20	114.42	68.20	46.22	Peak	No Limit
2	5298.8000	90.88	14.20	105.08	999.00	-893.92	AVG	No Limit
3	5350.0000	39.75	14.21	53.96	74.00	-20.04	Peak	
4	5350.0000	30.50	14.21	44.71	54.00	-9.29	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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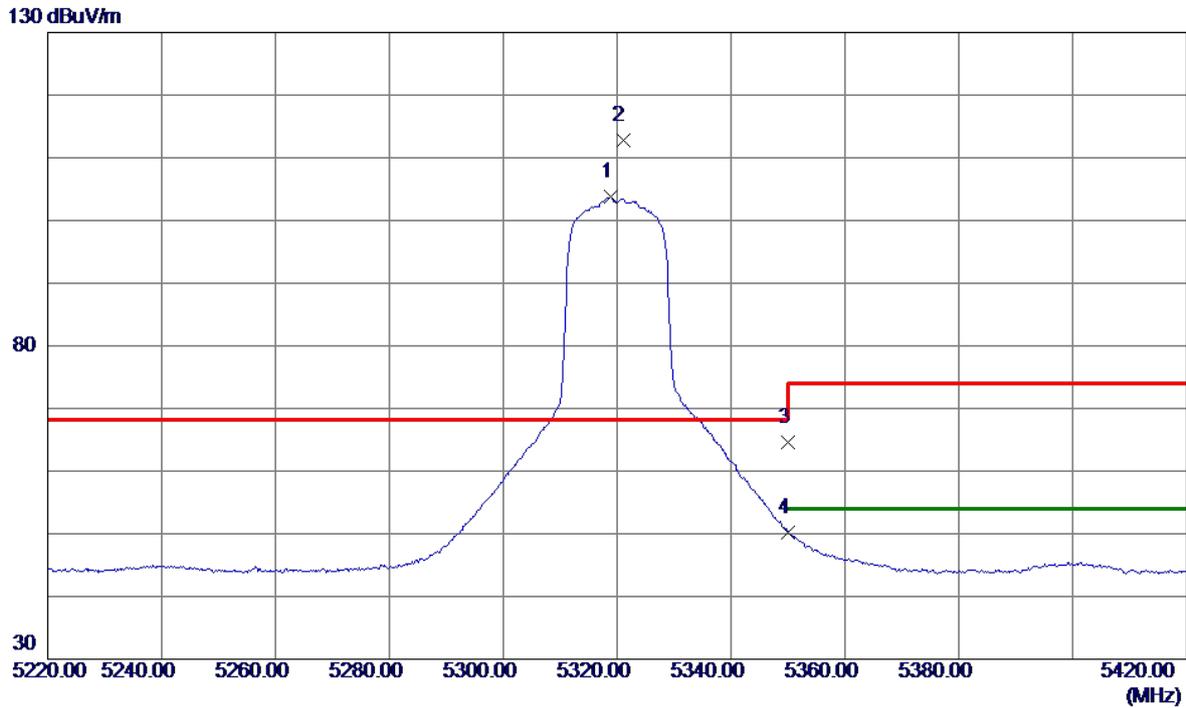


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10599.5000	52.64	10.78	63.42	68.20	-4.78	Peak	

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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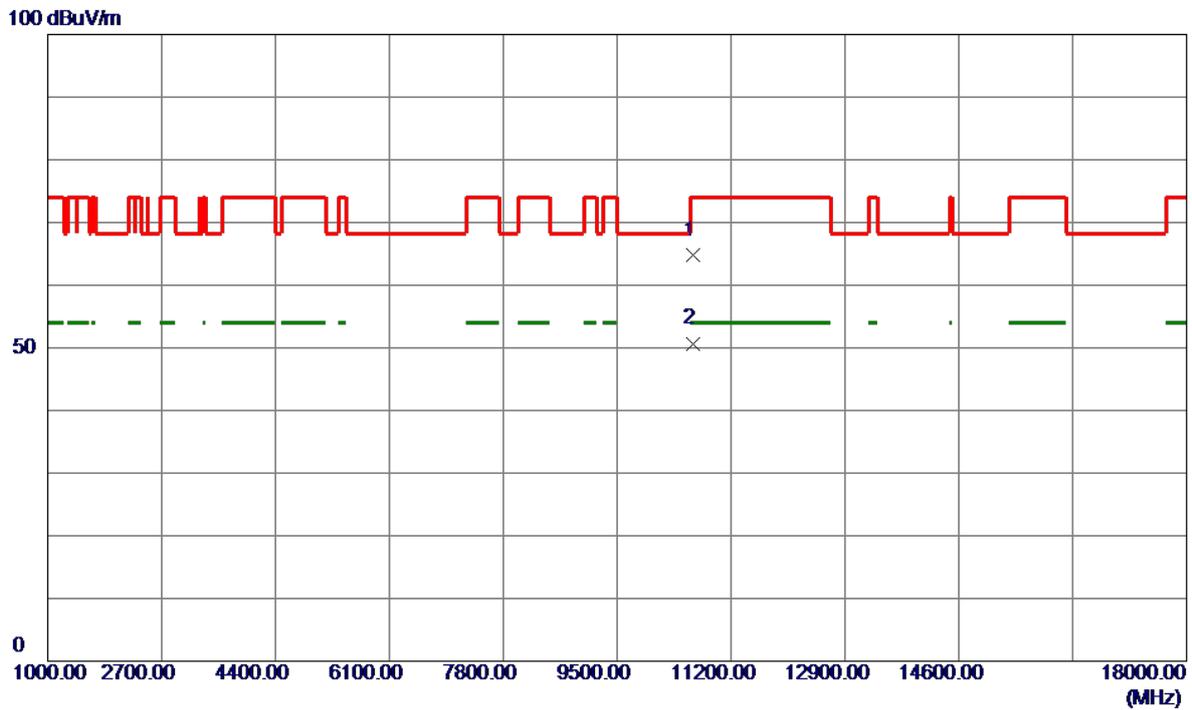


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5318.8000	89.57	14.21	103.78	999.00	-895.22	AVG	No Limit
2 *	5321.0000	98.51	14.21	112.72	68.20	44.52	Peak	No Limit
3	5350.0000	50.39	14.21	64.60	74.00	-9.40	Peak	
4	5350.0000	35.95	14.21	50.16	54.00	-3.84	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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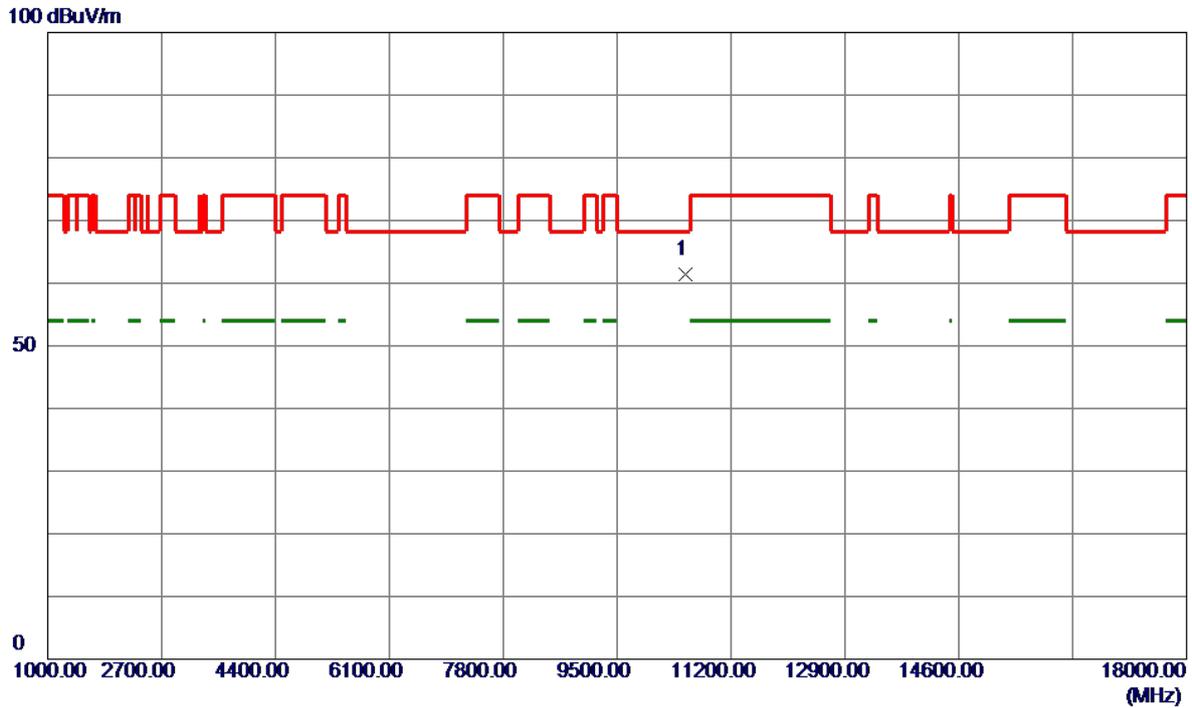


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10639.5000	53.99	10.79	64.78	74.00	-9.22	Peak	
2 *	10640.2000	39.91	10.79	50.70	54.00	-3.30	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT20) Mode 5260 MHz	Polarization	Vertical
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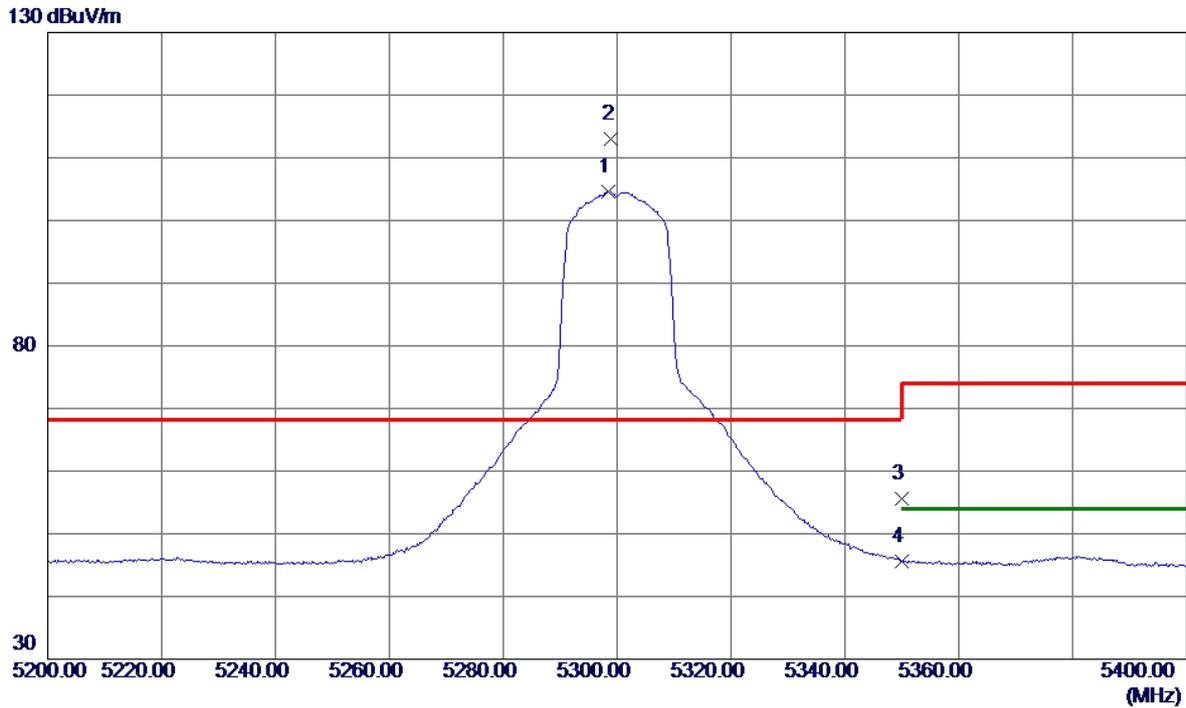


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10520.8000	50.65	10.76	61.41	68.20	-6.79	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT20) Mode 5300 MHz	Polarization	Vertical
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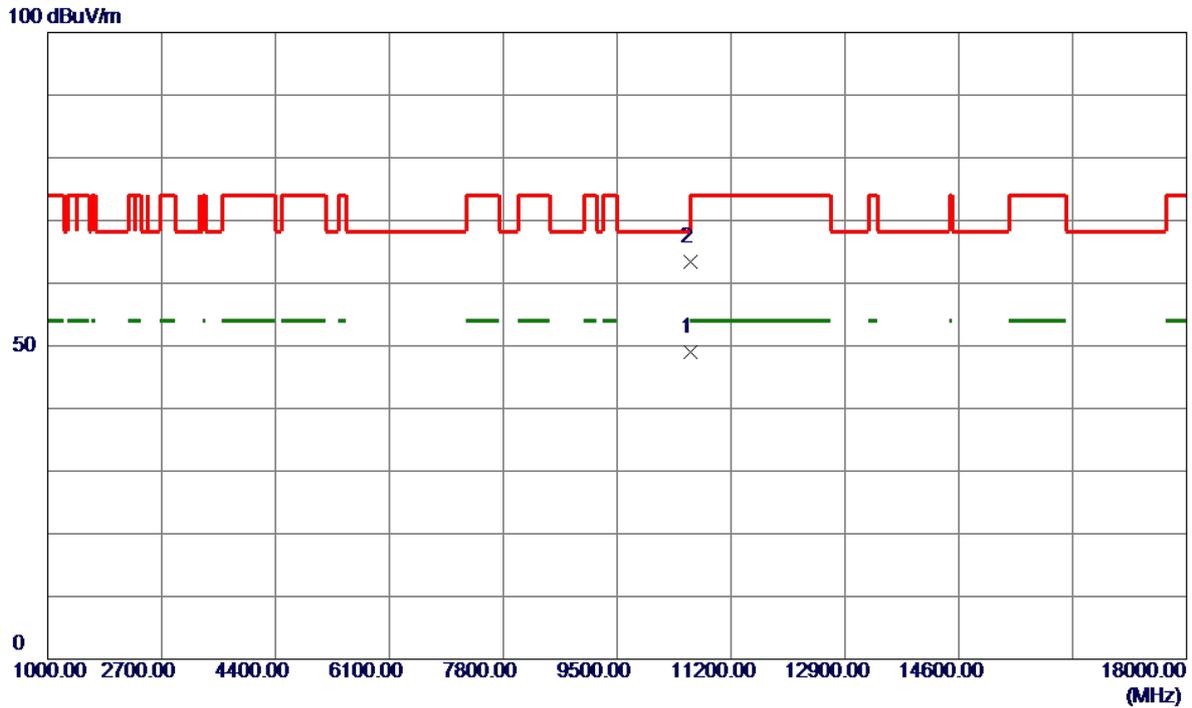


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5298.4000	90.41	14.20	104.61	999.00	-894.39	AVG	No Limit
2 *	5299.0000	98.79	14.20	112.99	68.20	44.79	Peak	No Limit
3	5350.0000	41.32	14.21	55.53	74.00	-18.47	Peak	
4	5350.0000	31.33	14.21	45.54	54.00	-8.46	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT20) Mode 5300 MHz	Polarization	Vertical
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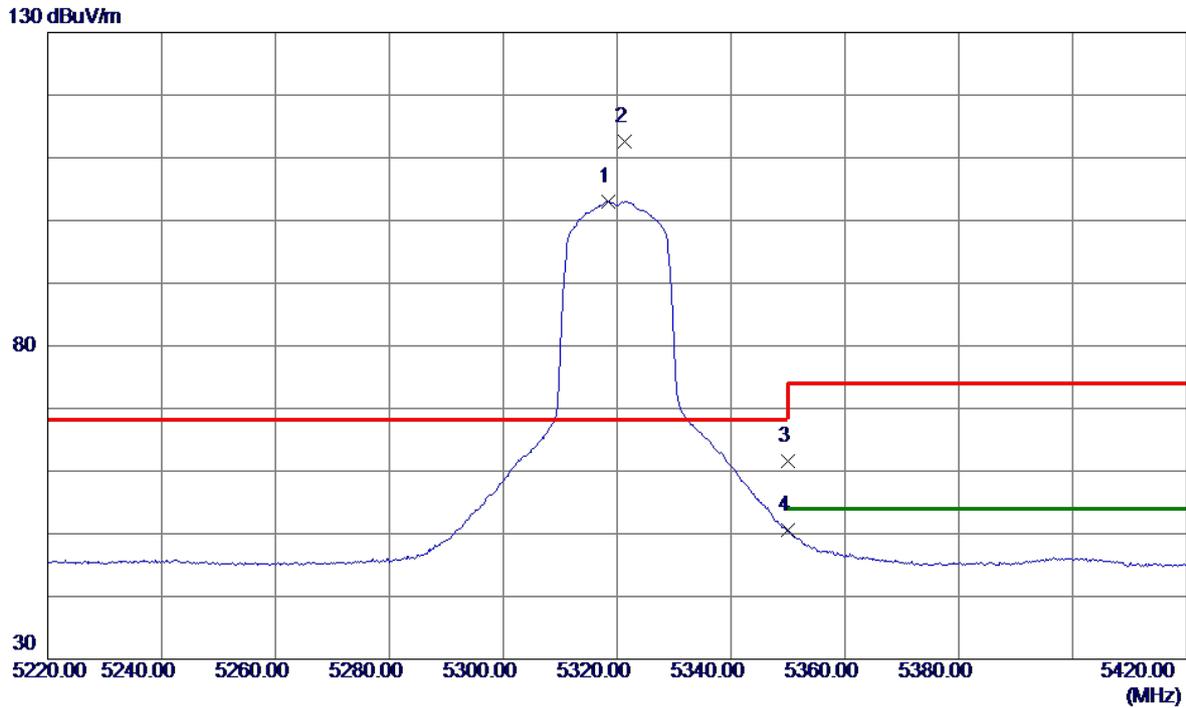


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10601.2500	38.29	10.78	49.07	54.00	-4.93	AVG	
2	10603.8500	52.66	10.78	63.44	74.00	-10.56	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT20) Mode 5320 MHz	Polarization	Vertical
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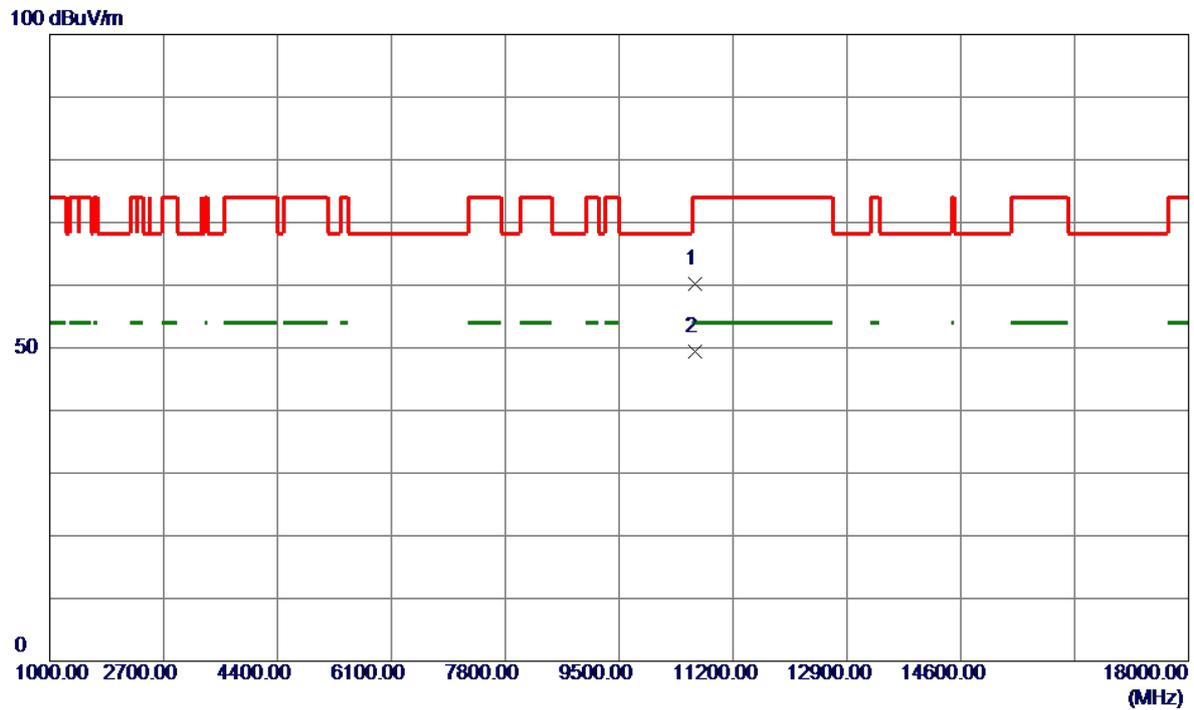


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5318.4000	88.88	14.21	103.09	999.00	-895.91	AVG	No Limit
2 *	5321.4000	98.36	14.21	112.57	68.20	44.37	Peak	No Limit
3	5350.0000	47.48	14.21	61.69	74.00	-12.31	Peak	
4	5350.0000	36.32	14.21	50.53	54.00	-3.47	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT20) Mode 5320 MHz	Polarization	Vertical
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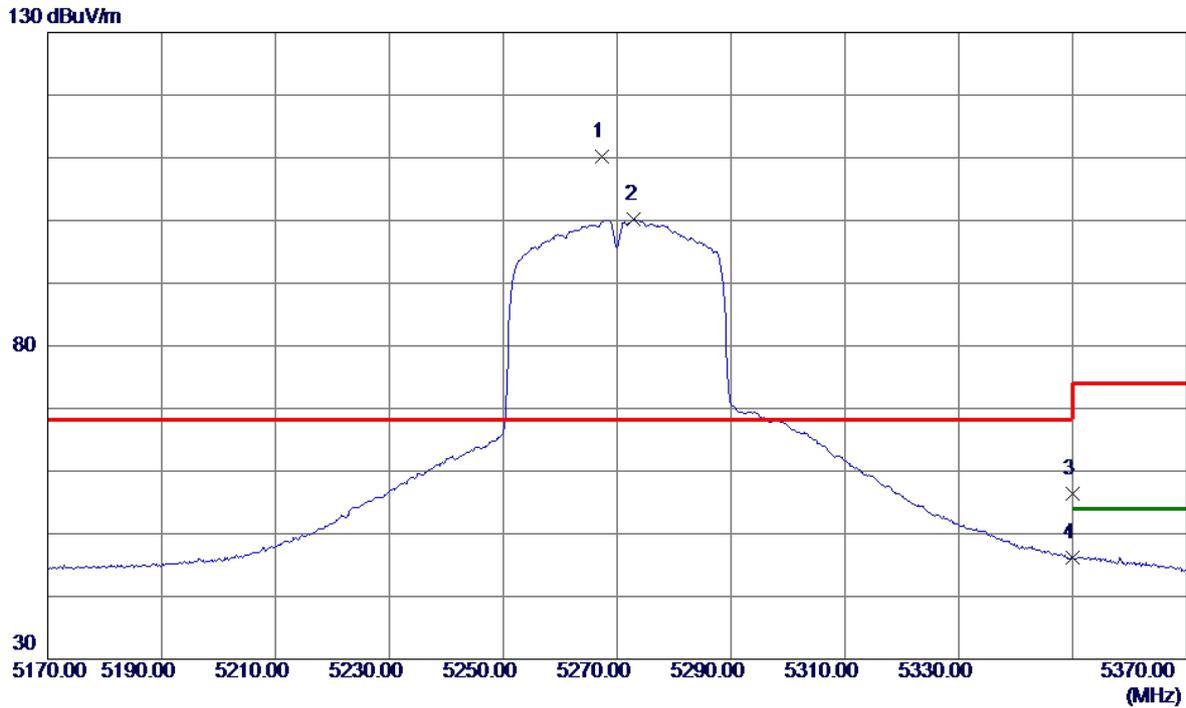


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	10635.9000	49.47	10.79	60.26	74.00	-13.74	Peak	
2 *	10638.8500	38.61	10.79	49.40	54.00	-4.60	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT40) Mode 5270 MHz	Polarization	Vertical
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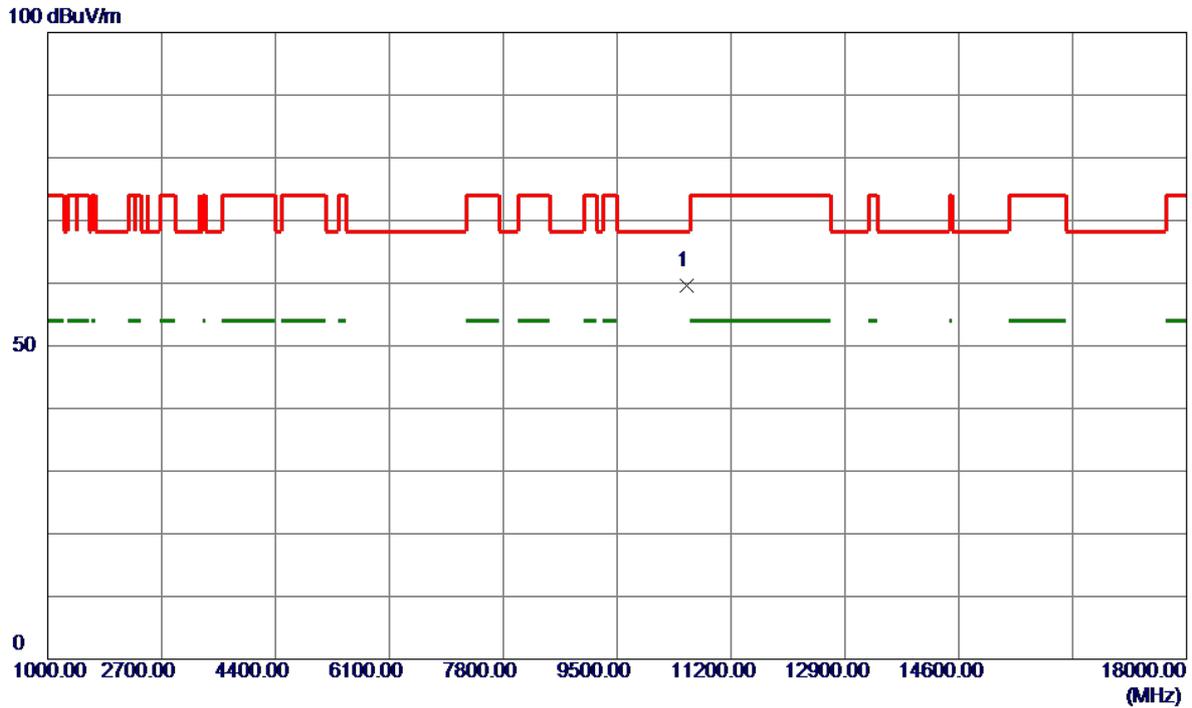


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5267.4000	96.02	14.20	110.22	68.20	42.02	Peak	No Limit
2	5273.0000	86.07	14.20	100.27	999.00	-898.73	AVG	No Limit
3	5350.0000	42.15	14.21	56.36	74.00	-17.64	Peak	
4	5350.0000	32.04	14.21	46.25	54.00	-7.75	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT40) Mode 5270 MHz	Polarization	Vertical
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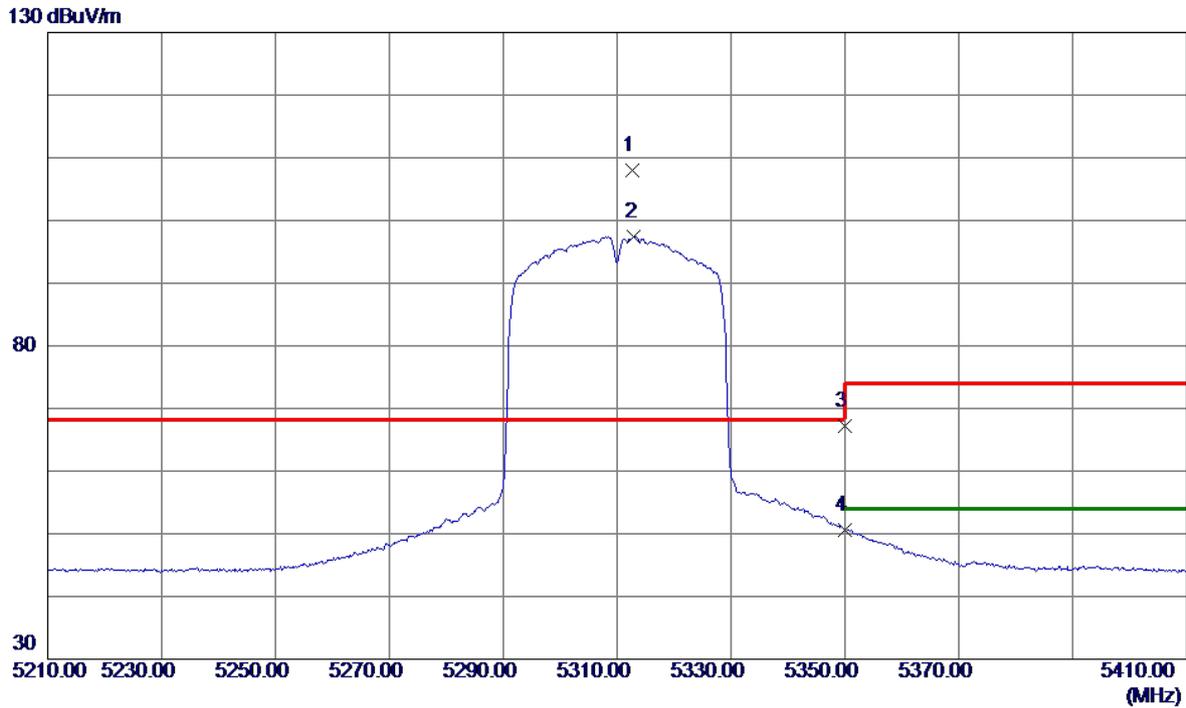


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10545.7000	48.89	10.76	59.65	68.20	-8.55	Peak	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT40) Mode 5310 MHz	Polarization	Vertical
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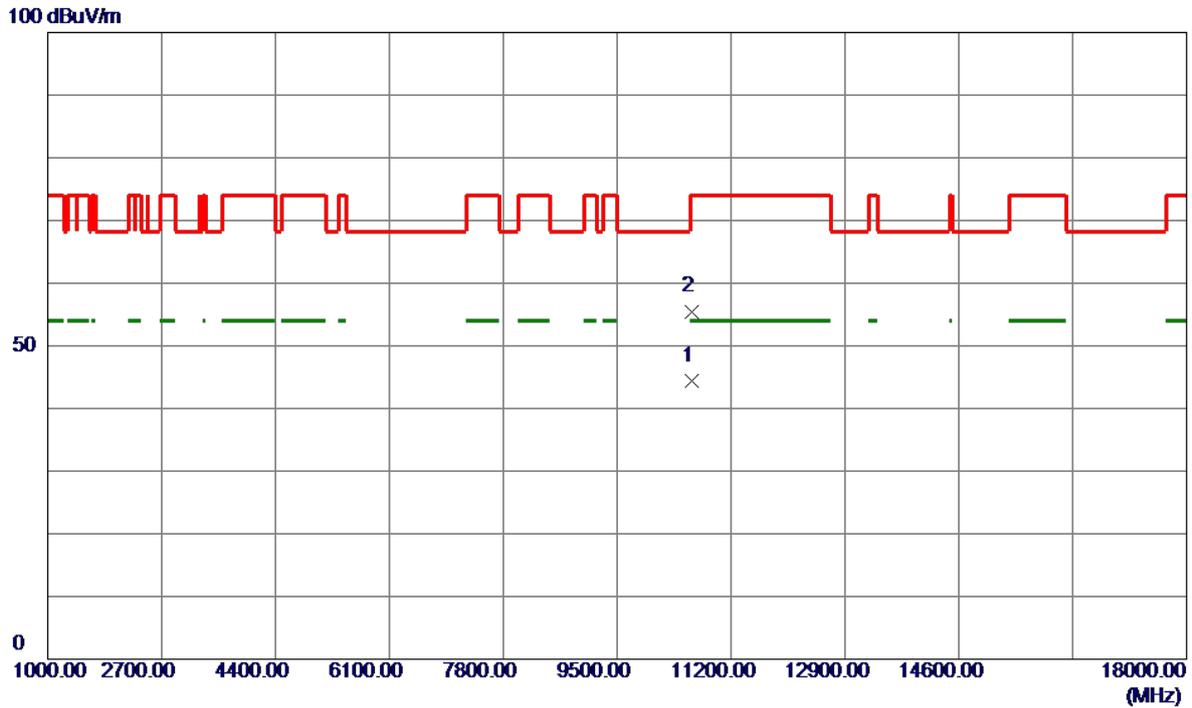


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5312.6000	93.87	14.20	108.07	68.20	39.87	Peak	No Limit
2	5313.0000	83.25	14.20	97.45	999.00	-901.55	AVG	No Limit
3	5350.0000	53.06	14.21	67.27	74.00	-6.73	Peak	
4	5350.0000	36.48	14.21	50.69	54.00	-3.31	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX N(HT40) Mode 5310 MHz	Polarization	Vertical
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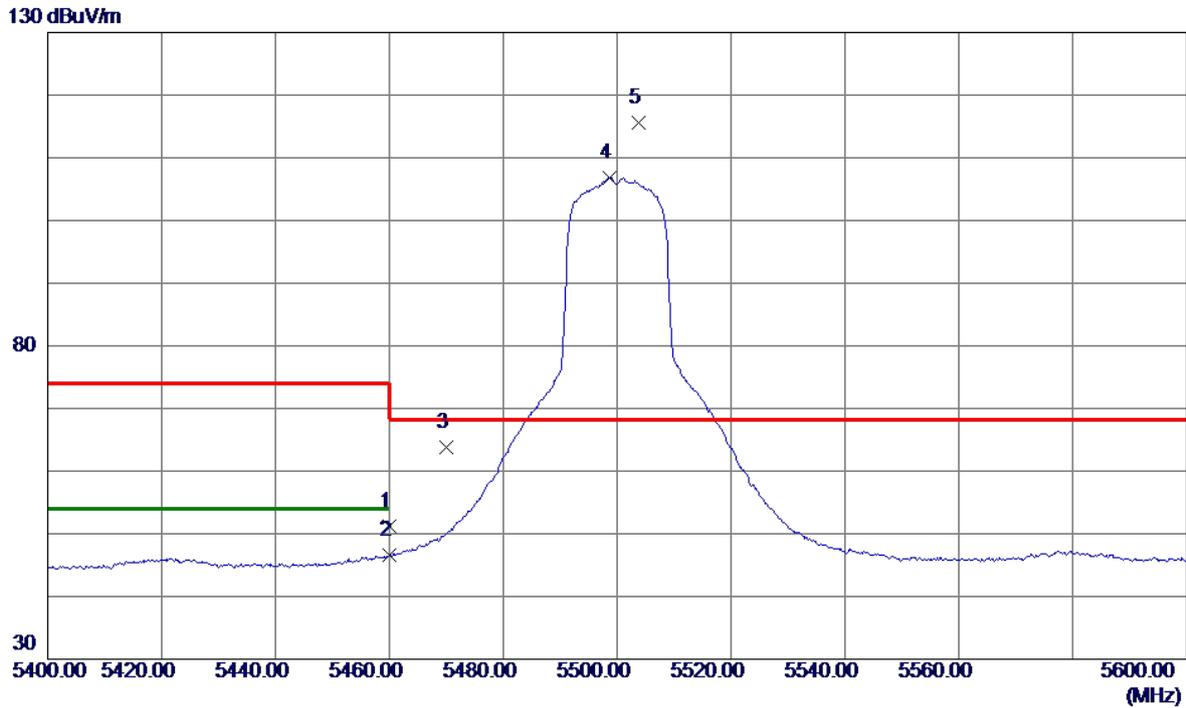


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10617.2000	33.66	10.78	44.44	54.00	-9.56	AVG	
2	10618.5500	44.72	10.78	55.50	74.00	-18.50	Peak	

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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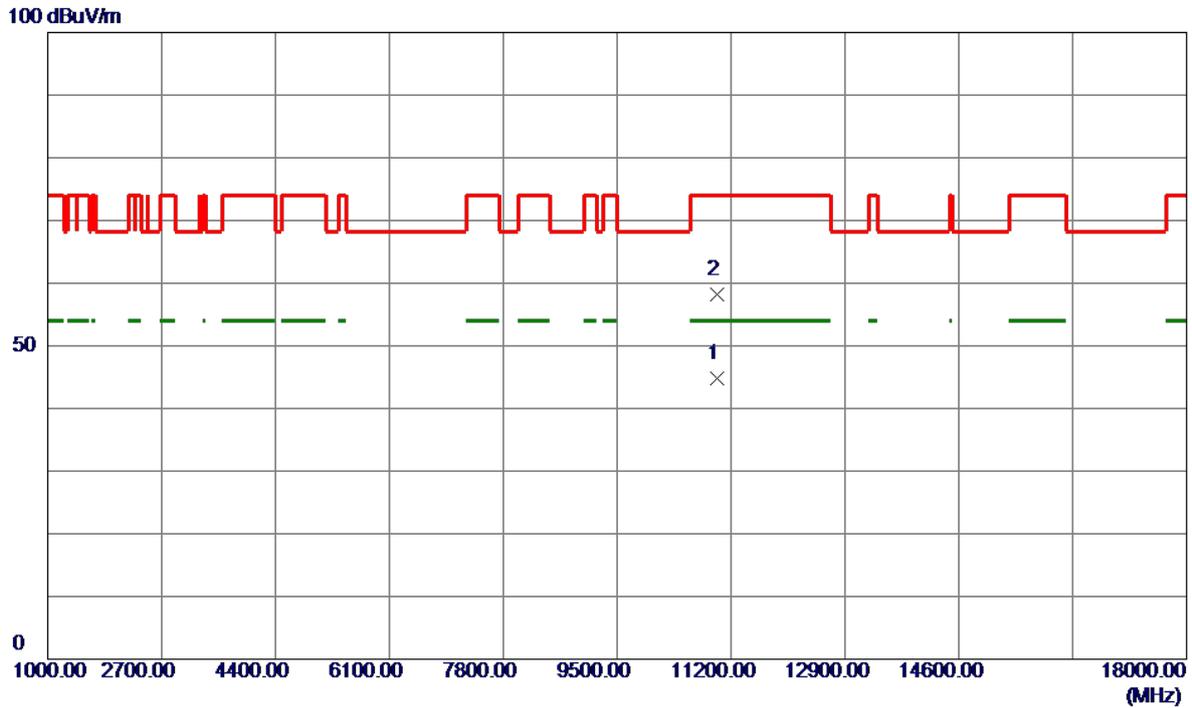


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	37.07	14.22	51.29	74.00	-22.71	Peak	
2	5460.0000	32.46	14.22	46.68	54.00	-7.32	AVG	
3	5470.0000	49.51	14.22	63.73	68.20	-4.47	Peak	
4	5498.6000	92.64	14.22	106.86	999.00	-892.14	AVG	No Limit
5 *	5503.8000	101.32	14.23	115.55	68.20	47.35	Peak	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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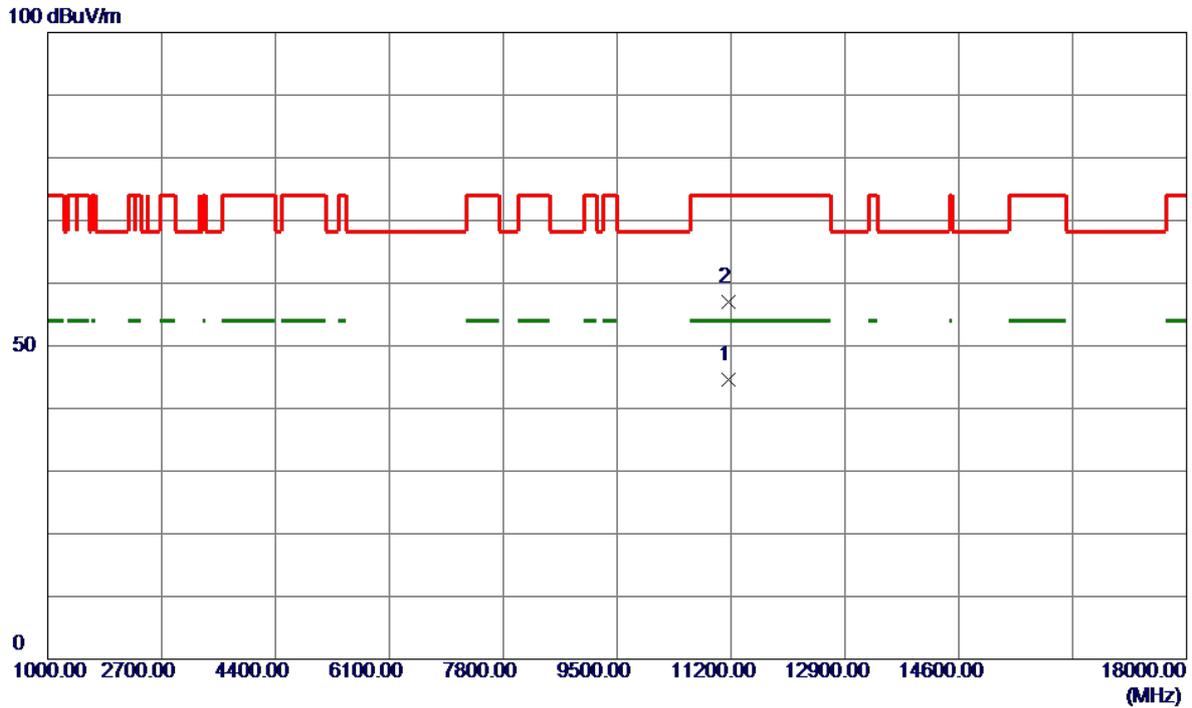


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10999.8500	33.89	10.88	44.77	54.00	-9.23	AVG	
2	11001.2500	47.33	10.88	58.21	74.00	-15.79	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX A Mode 5580 MHz	Polarization	Vertical
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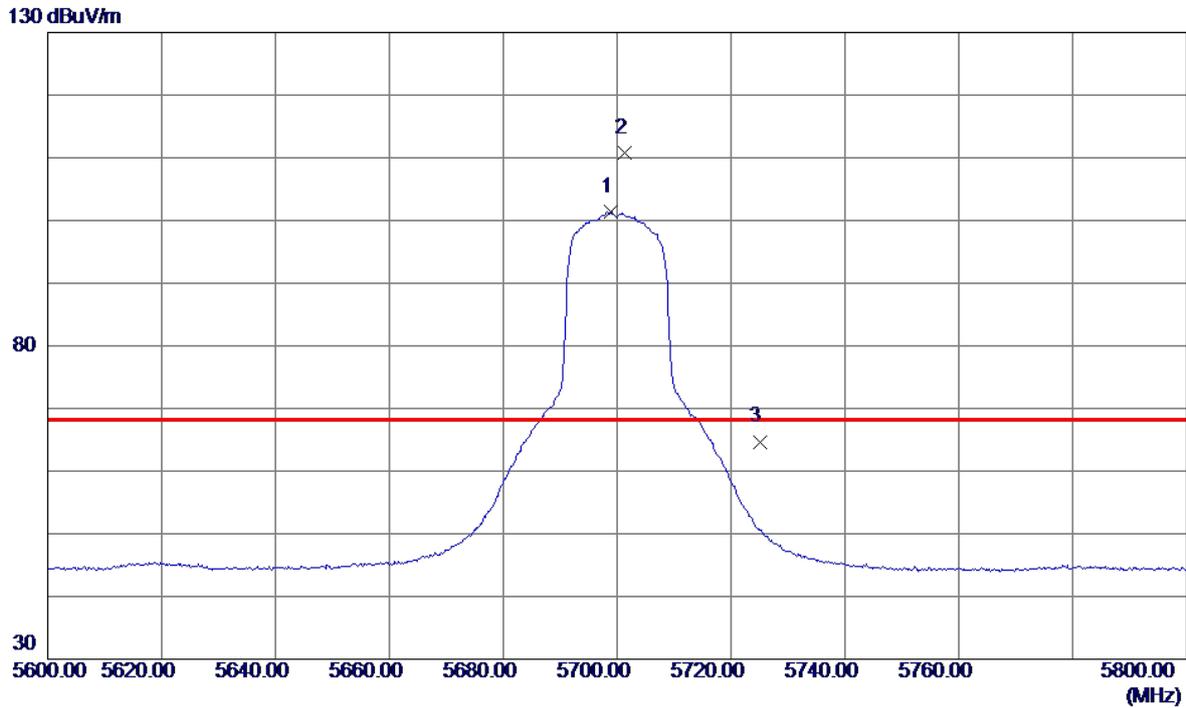


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11158.5000	33.60	11.01	44.61	54.00	-9.39	AVG	
2	11161.8500	46.05	11.01	57.06	74.00	-16.94	Peak	

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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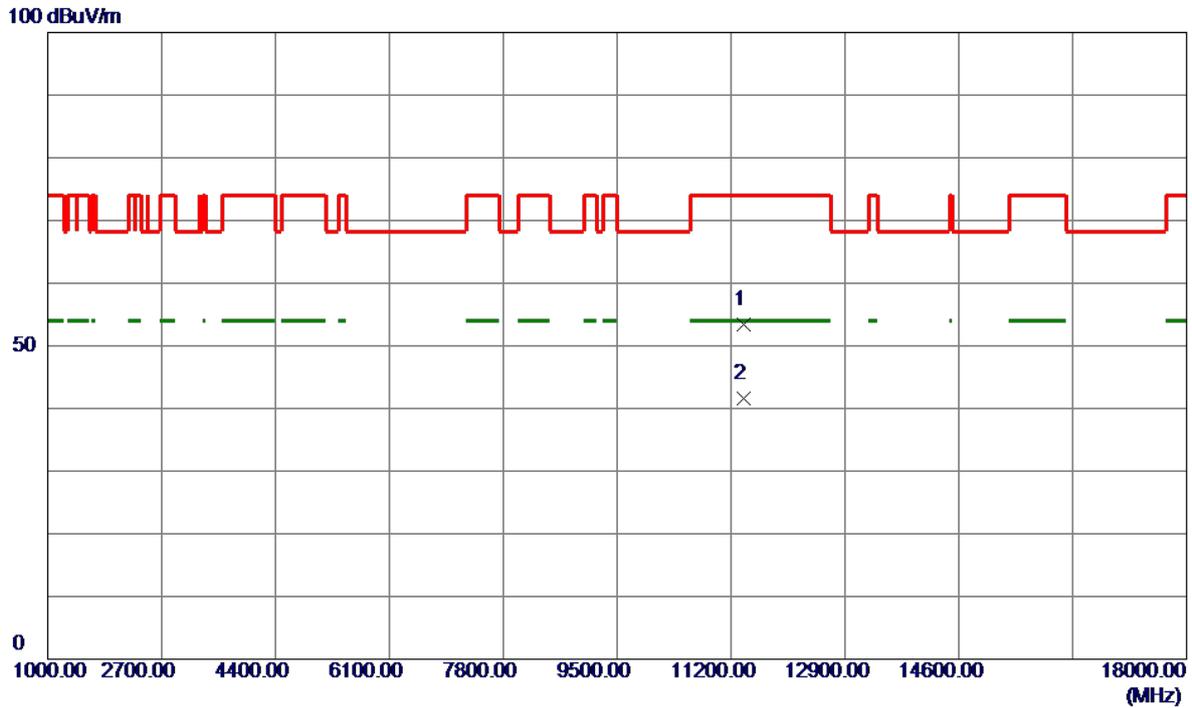


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5698.8000	86.72	14.69	101.41	999.00	-897.59	AVG	No Limit
2 *	5701.4000	96.04	14.70	110.74	68.20	42.54	Peak	No Limit
3	5725.0000	49.95	14.75	64.70	68.20	-3.50	Peak	

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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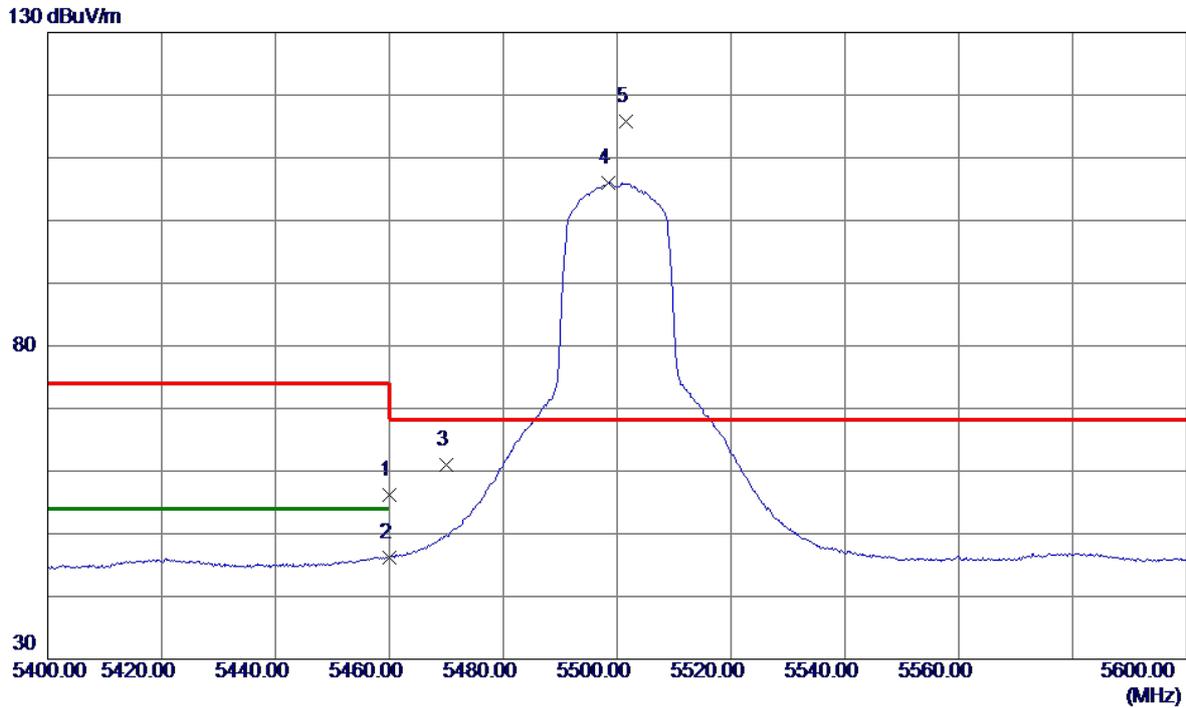


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11397.7000	42.18	11.21	53.39	74.00	-20.61	Peak	
2 *	11398.1000	30.30	11.21	41.51	54.00	-12.49	AVG	

REMARKS:

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

Test Mode	UNII-2C_TX N(HT20) Mode 5500 MHz	Polarization	Vertical
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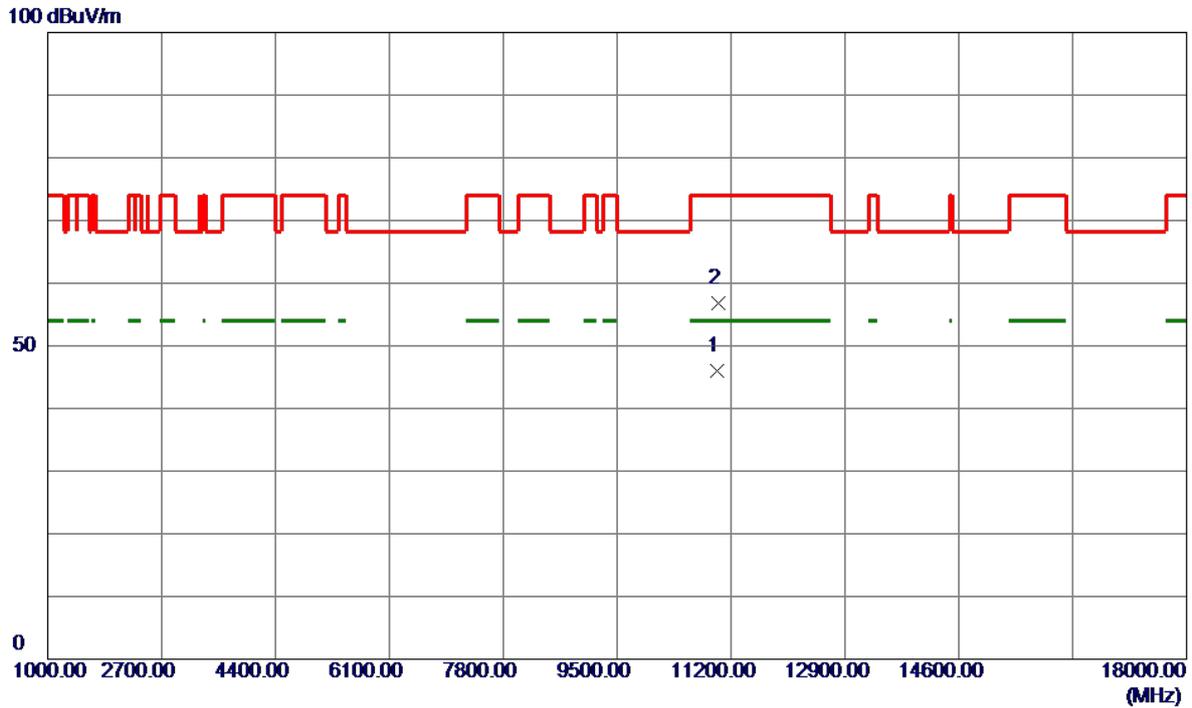


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	41.93	14.22	56.15	74.00	-17.85	Peak	
2	5460.0000	32.00	14.22	46.22	54.00	-7.78	AVG	
3	5470.0000	46.79	14.22	61.01	68.20	-7.19	Peak	
4	5498.4000	91.83	14.22	106.05	999.00	-892.95	AVG	No Limit
5 *	5501.6000	101.55	14.22	115.77	68.20	47.57	Peak	No Limit

REMARKS:

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

Test Mode	UNII-2C_TX N(HT20) Mode 5500 MHz	Polarization	Vertical
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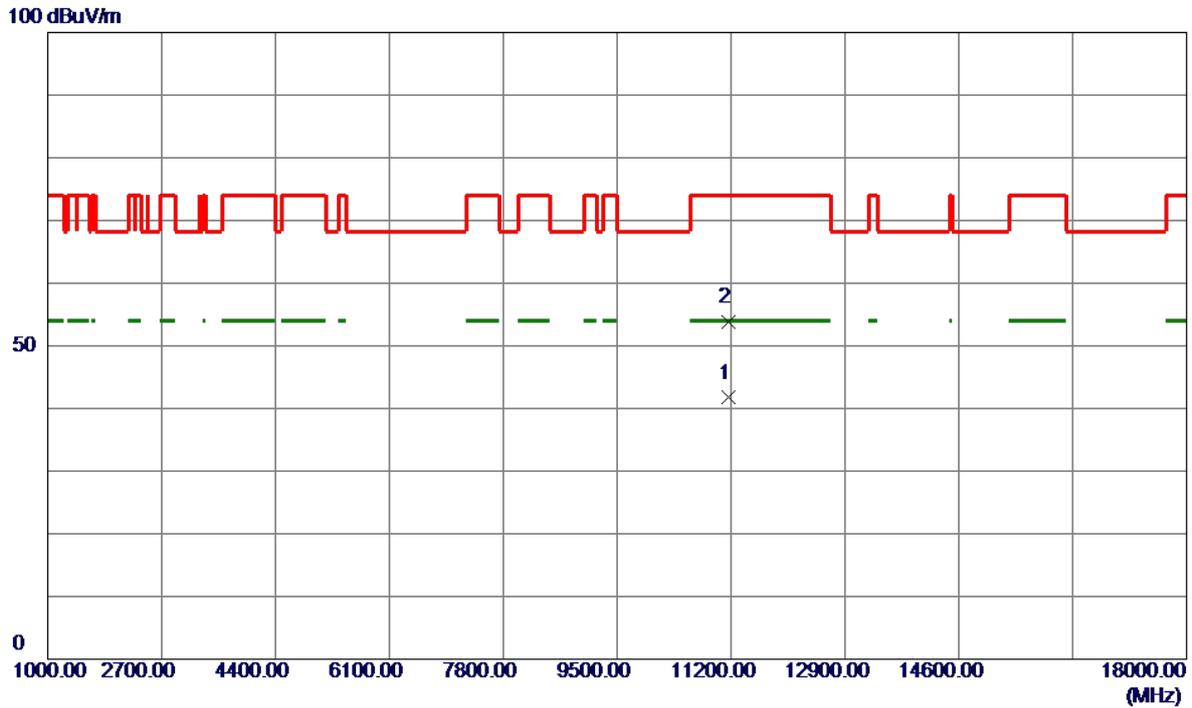


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	10998.7500	35.21	10.88	46.09	54.00	-7.91	AVG	
2	11002.0000	45.97	10.88	56.85	74.00	-17.15	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX N(HT20) Mode 5580 MHz	Polarization	Vertical
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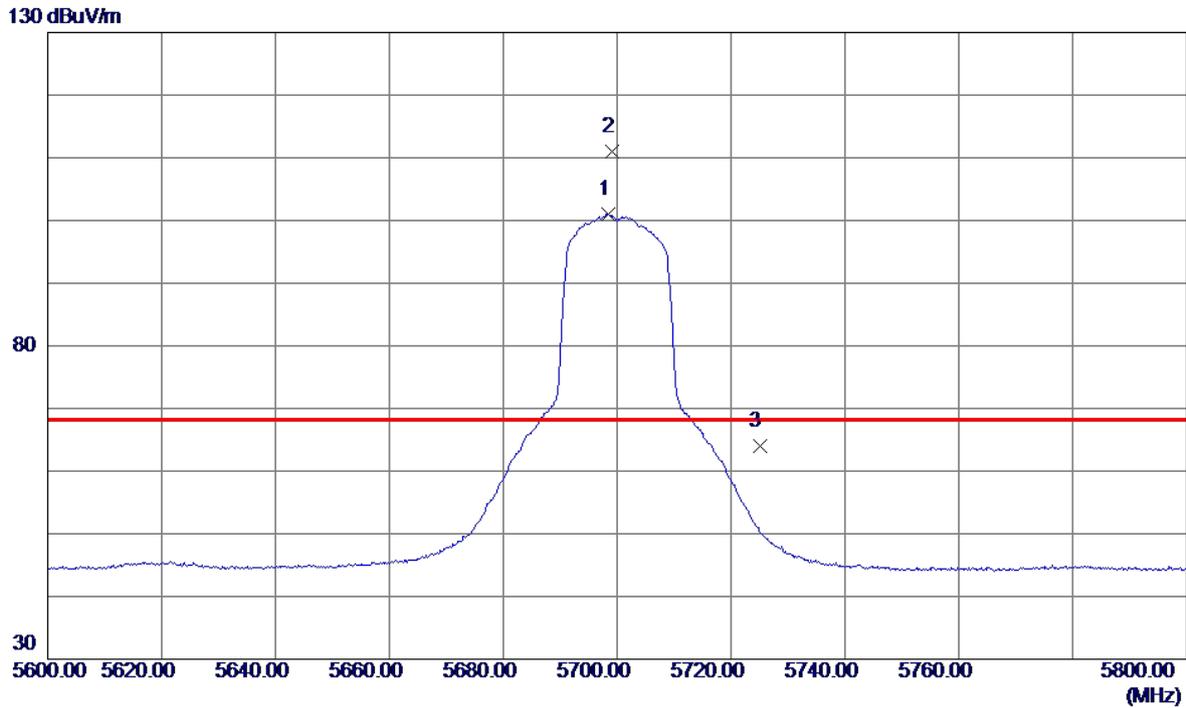


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11159.7000	30.69	11.01	41.70	54.00	-12.30	AVG	
2	11160.5000	42.72	11.01	53.73	74.00	-20.27	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX N(HT20) Mode 5700 MHz	Polarization	Vertical
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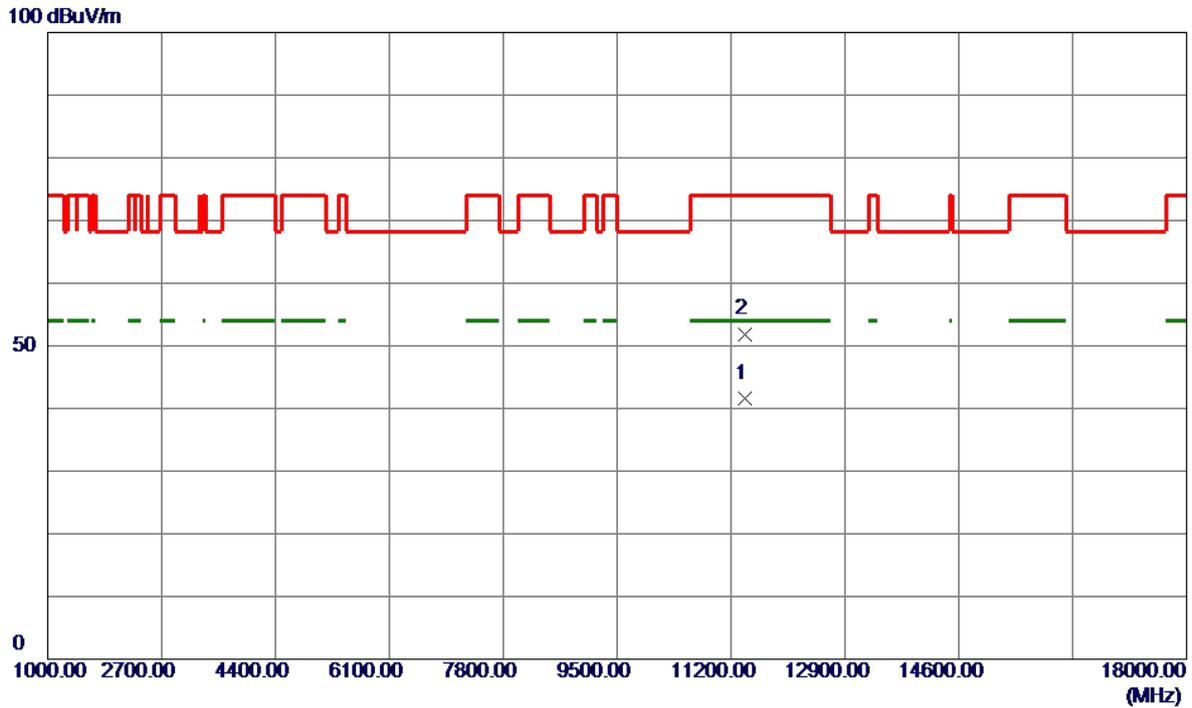


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5698.4000	86.33	14.69	101.02	999.00	-897.98	AVG	No Limit
2 *	5699.2000	96.26	14.69	110.95	68.20	42.75	Peak	No Limit
3	5725.0000	49.34	14.75	64.09	68.20	-4.11	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX N(HT20) Mode 5700 MHz	Polarization	Vertical
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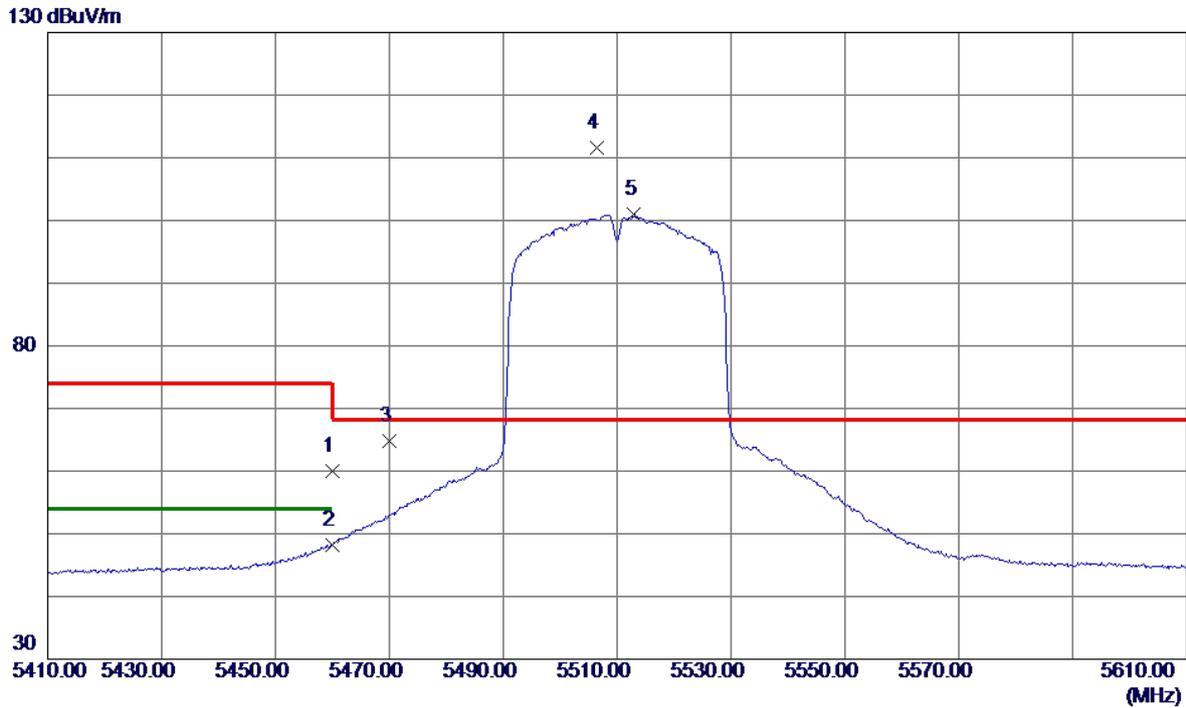


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11400.1500	30.32	11.21	41.53	54.00	-12.47	AVG	
2	11400.4000	40.69	11.21	51.90	74.00	-22.10	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX N(HT40) Mode 5510 MHz	Polarization	Vertical
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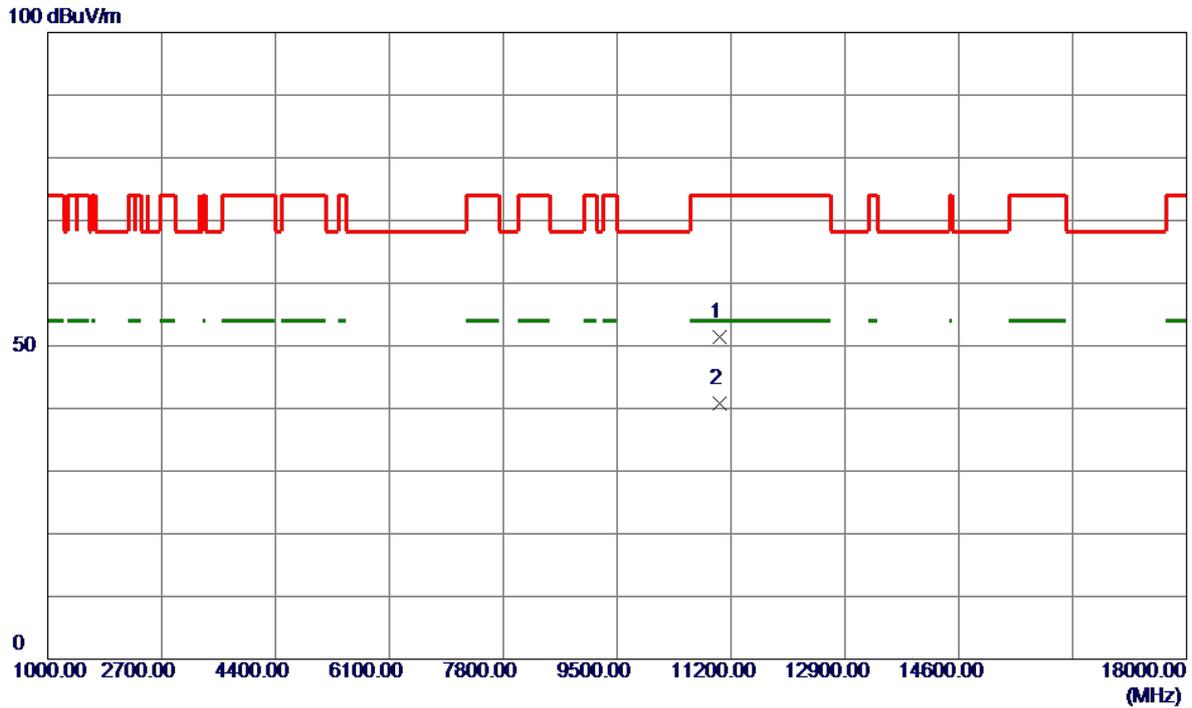


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5460.0000	45.73	14.22	59.95	74.00	-14.05	Peak	
2	5460.0000	33.94	14.22	48.16	54.00	-5.84	AVG	
3	5470.0000	50.67	14.22	64.89	68.20	-3.31	Peak	
4 *	5506.4000	97.35	14.24	111.59	68.20	43.39	Peak	No Limit
5	5513.0000	86.68	14.25	100.93	999.00	-898.07	AVG	No Limit

REMARKS:

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

Test Mode	UNII-2C_TX N(HT40) Mode 5510 MHz	Polarization	Vertical
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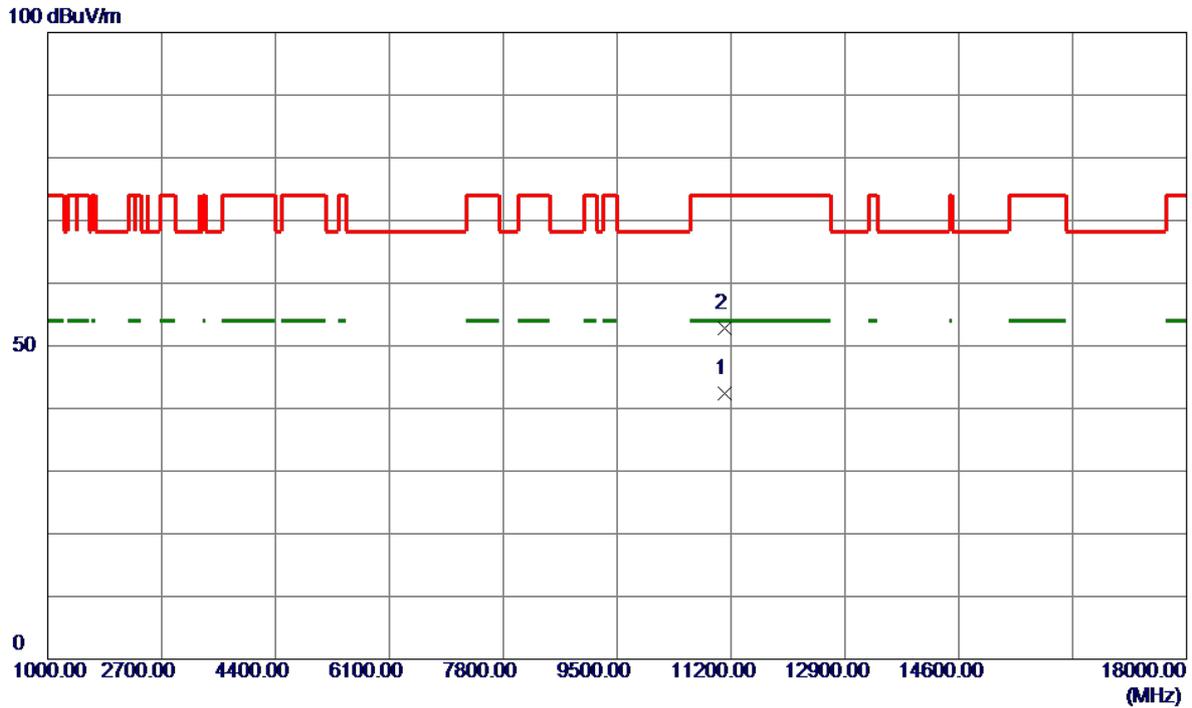


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11021.8000	40.56	10.90	51.46	74.00	-22.54	Peak	
2 *	11022.6500	29.84	10.90	40.74	54.00	-13.26	AVG	

REMARKS:

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

Test Mode	UNII-2C_TX N(HT40) Mode 5550 MHz	Polarization	Vertical
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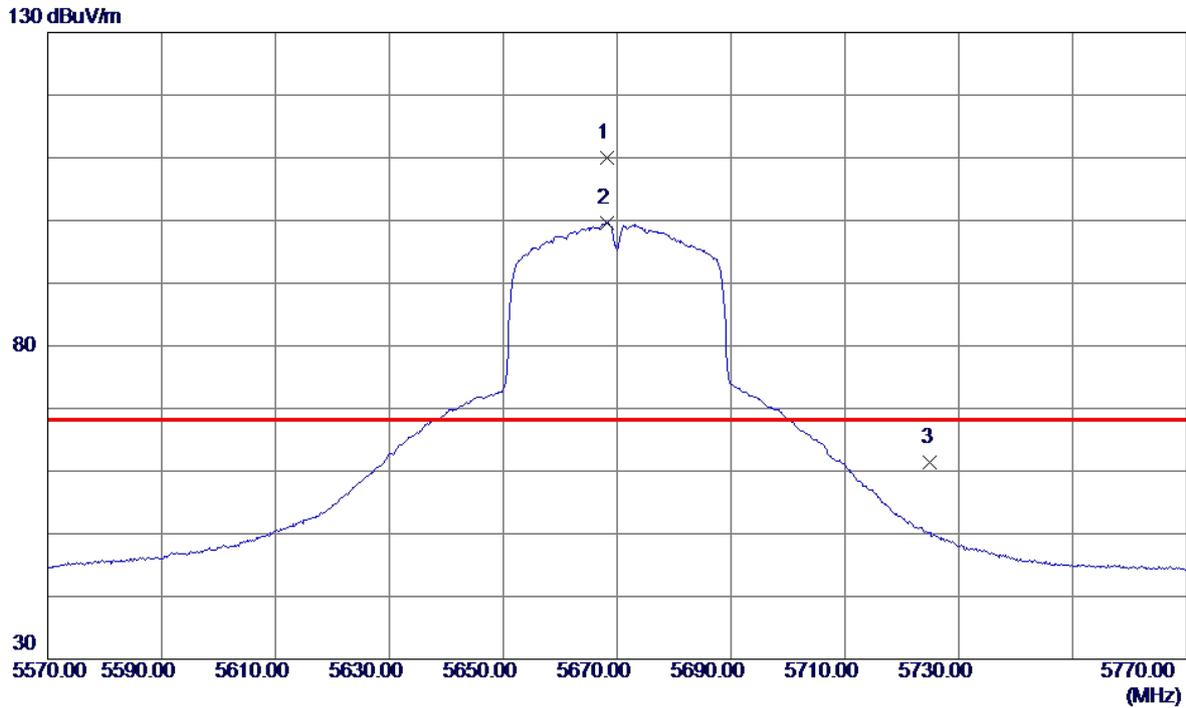


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11096.3000	31.40	10.96	42.36	54.00	-11.64	AVG	
2	11096.3500	41.75	10.96	52.71	74.00	-21.29	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX N(HT40) Mode 5670 MHz	Polarization	Vertical
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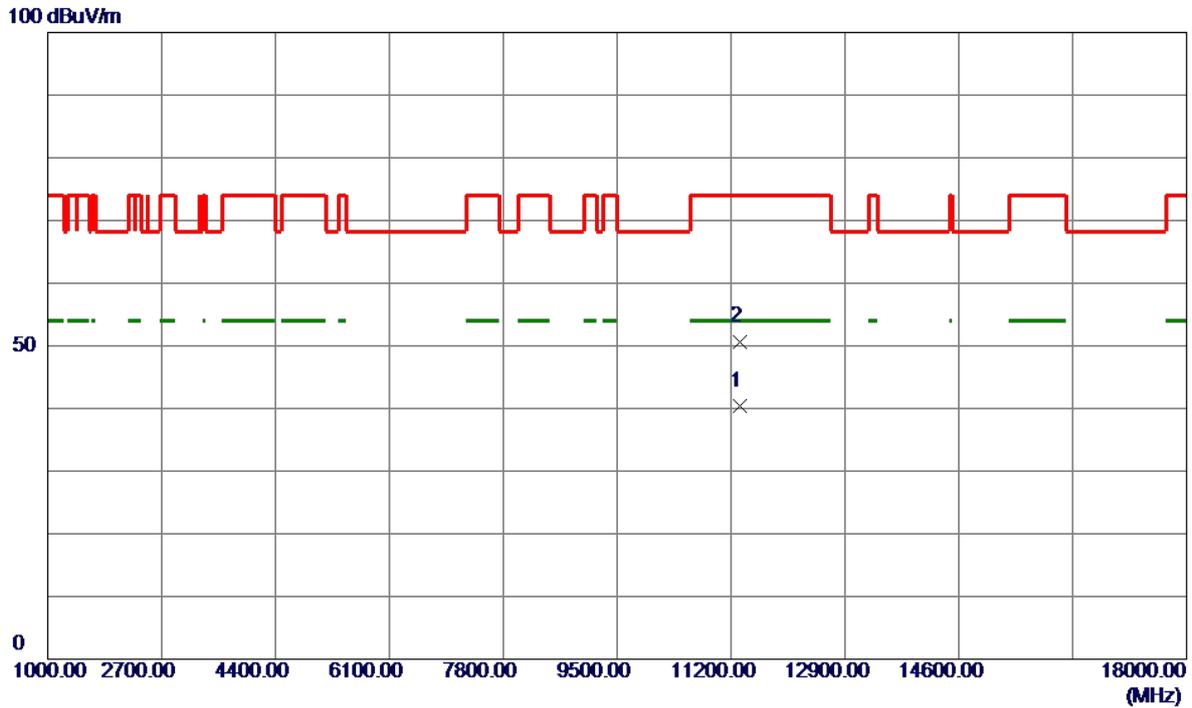


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5668.2000	95.37	14.62	109.99	68.20	41.79	Peak	No Limit
2	5668.2000	84.97	14.62	99.59	999.00	-899.41	AVG	No Limit
3	5725.0000	46.62	14.75	61.37	68.20	-6.83	Peak	

REMARKS:

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

Test Mode	UNII-2C_TX N(HT40) Mode 5670 MHz	Polarization	Vertical
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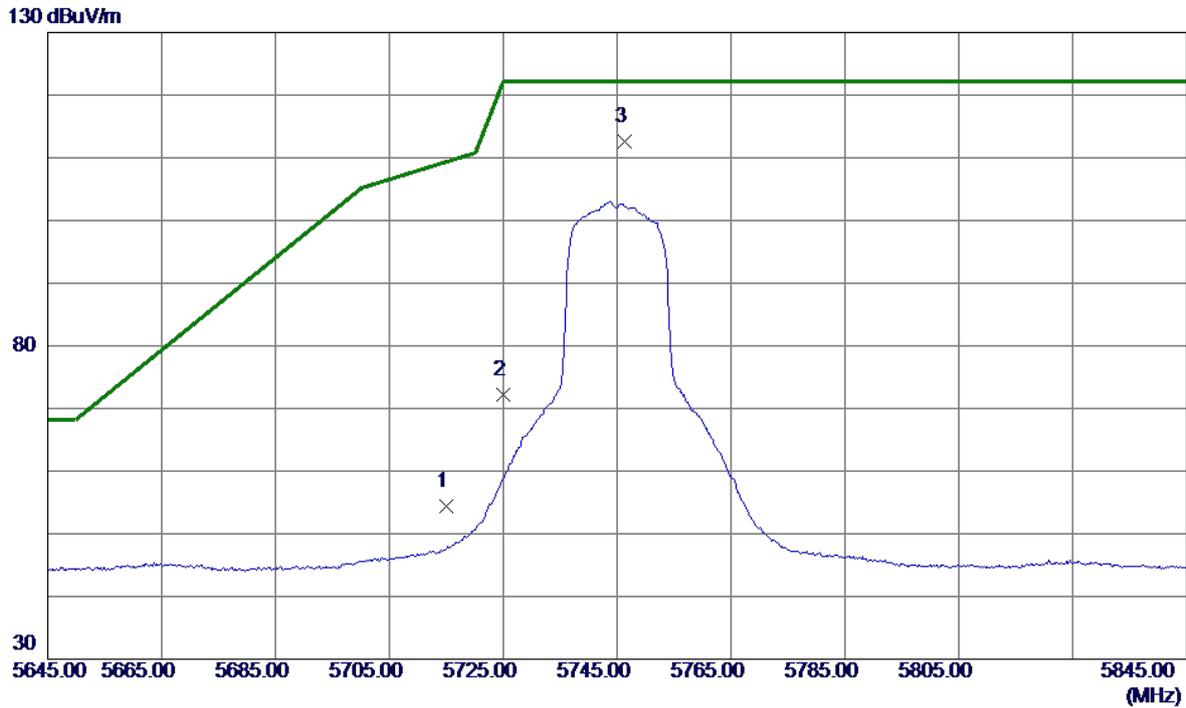


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11337.2500	29.31	11.16	40.47	54.00	-13.53	AVG	
2	11340.7500	39.54	11.16	50.70	74.00	-23.30	Peak	

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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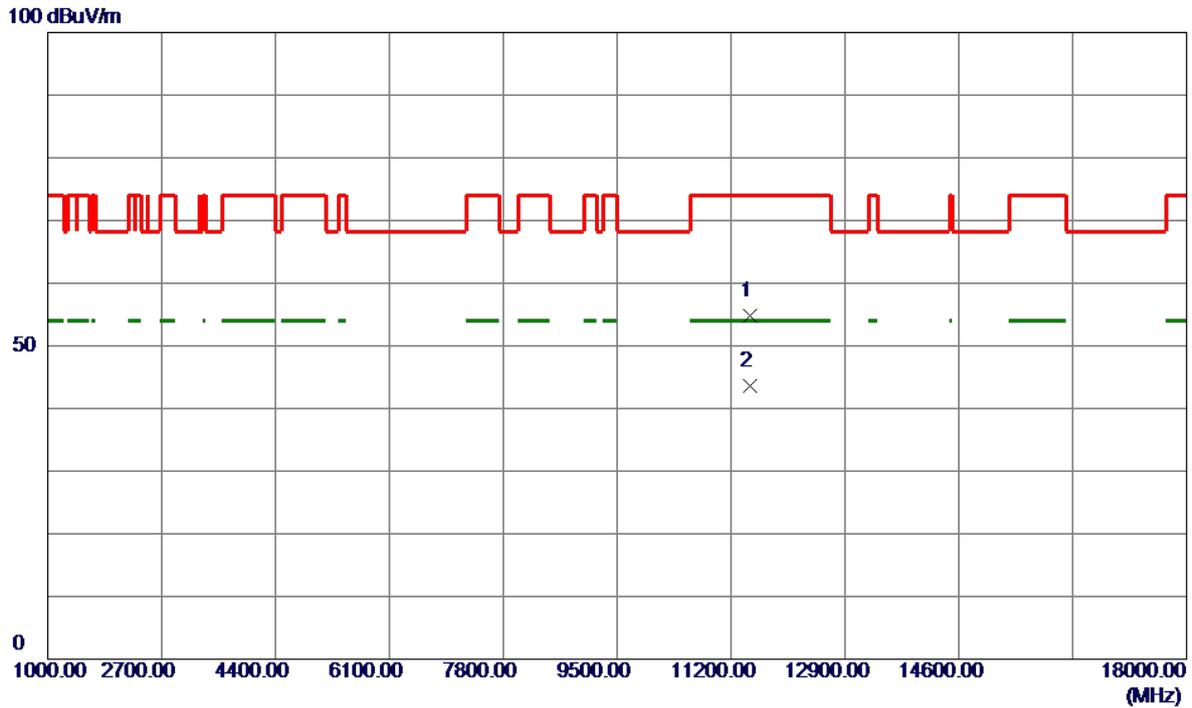


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	39.70	14.73	54.43	109.40	-54.97	Peak	
2	5725.0000	57.51	14.75	72.26	122.20	-49.94	Peak	
3 *	5746.4000	97.81	14.80	112.61	122.20	-9.59	Peak	No Limit

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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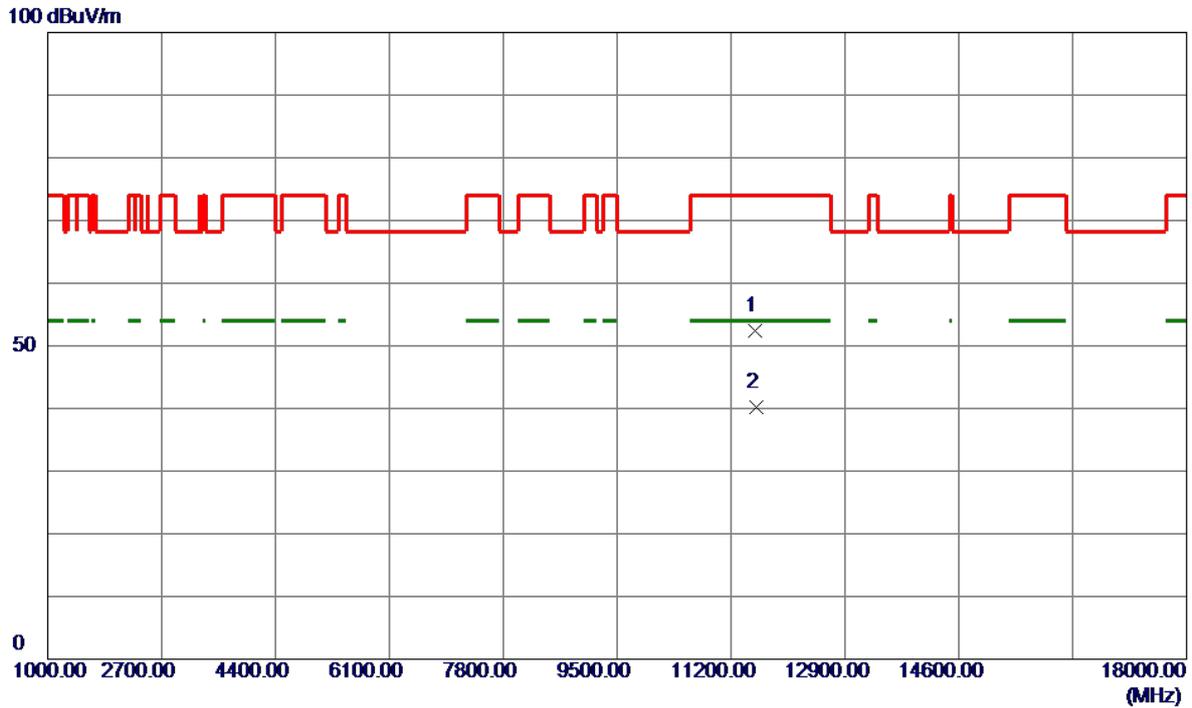


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11486.3000	43.56	11.28	54.84	74.00	-19.16	Peak	
2 *	11491.3500	32.25	11.28	43.53	54.00	-10.47	AVG	

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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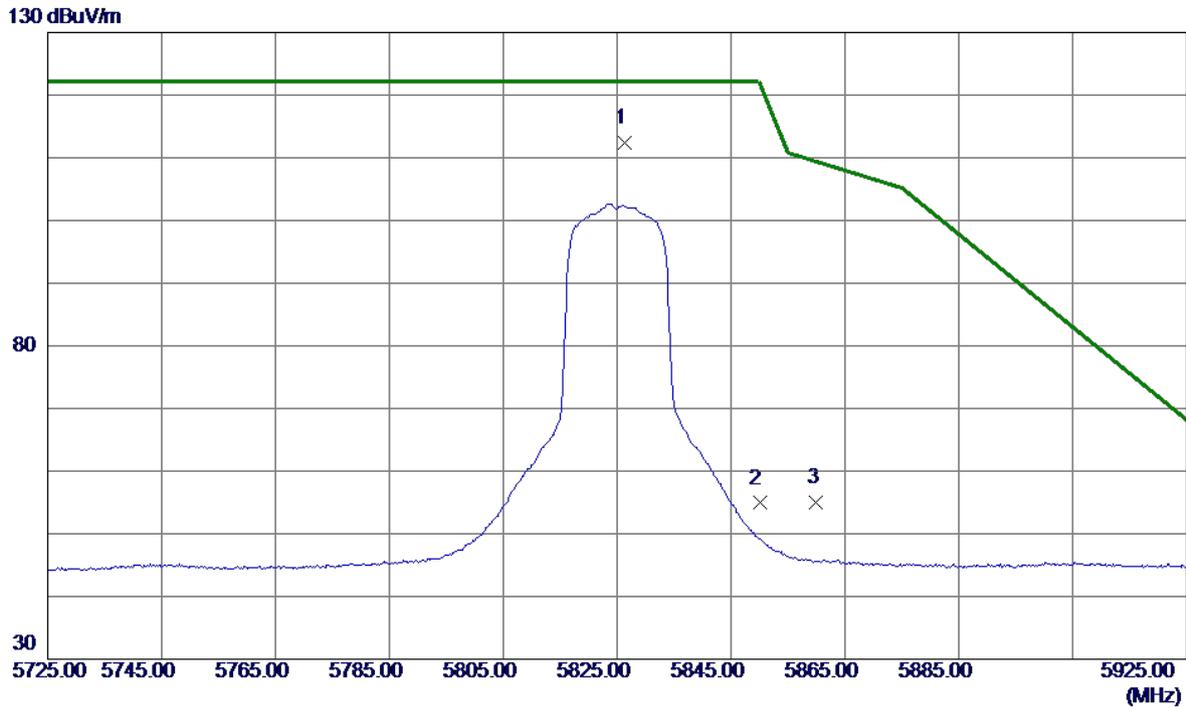


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11567.6000	41.09	11.30	52.39	74.00	-21.61	Peak	
2 *	11570.2000	28.98	11.30	40.28	54.00	-13.72	AVG	

REMARKS:

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

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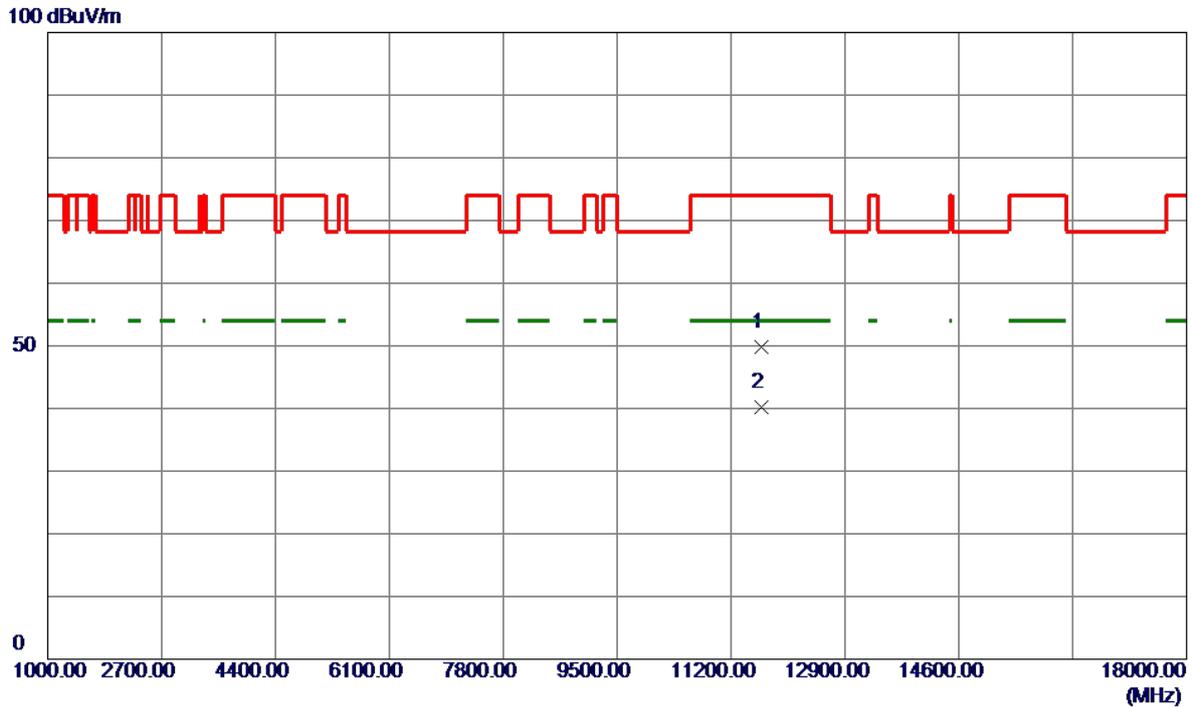


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5826.4000	97.35	14.99	112.34	122.20	-9.86	Peak	No Limit
2	5850.0000	39.85	15.05	54.90	122.20	-67.30	Peak	
3	5860.0000	39.95	15.07	55.02	109.40	-54.38	Peak	

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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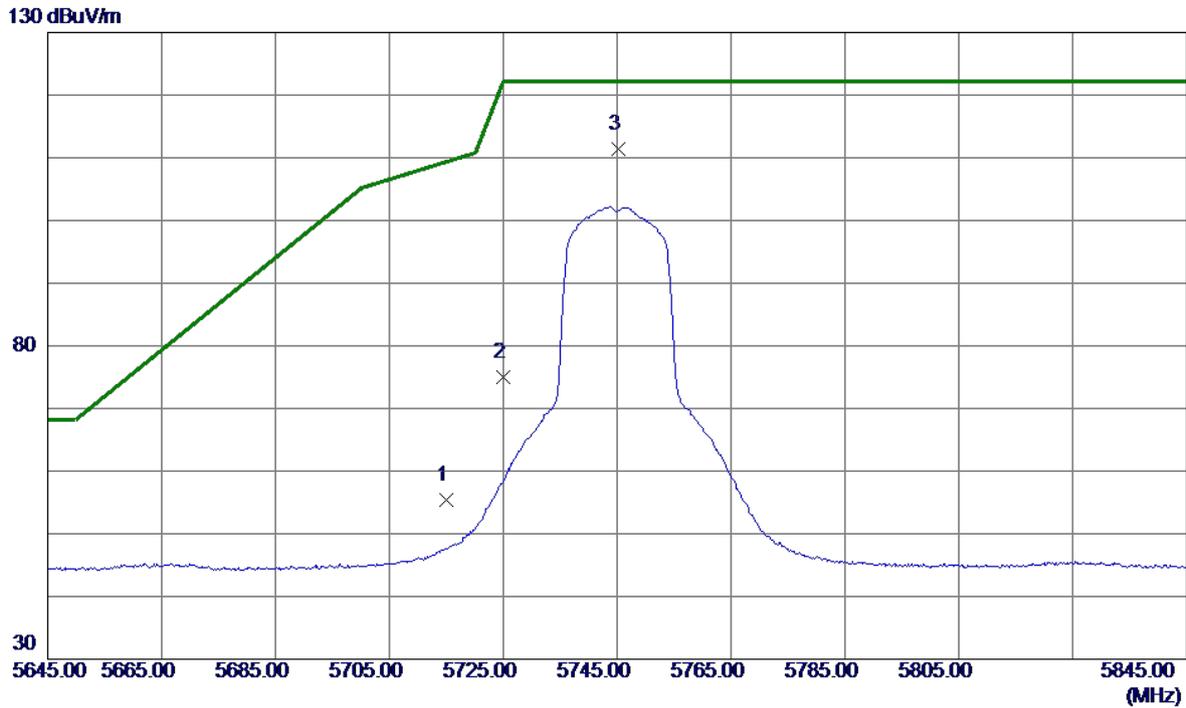


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11648.3000	38.47	11.31	49.78	74.00	-24.22	Peak	
2 *	11649.8000	28.92	11.31	40.23	54.00	-13.77	AVG	

REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5745 MHz	Polarization	Vertical
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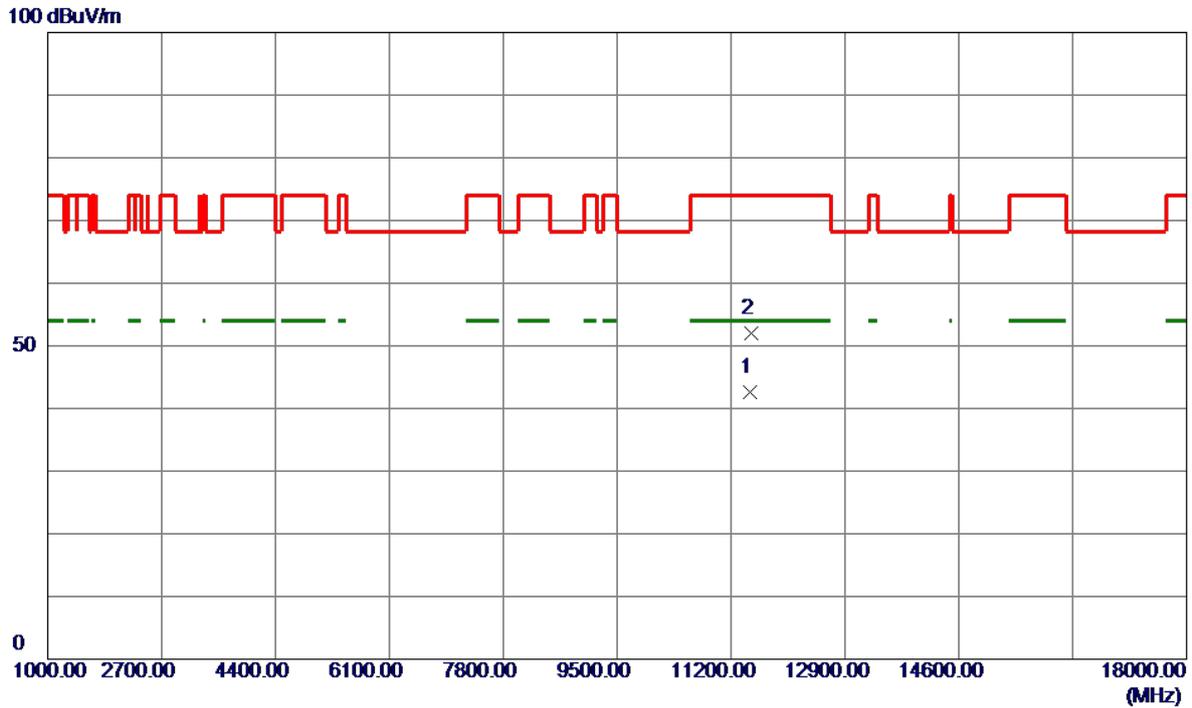


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	40.70	14.73	55.43	109.40	-53.97	Peak	
2	5725.0000	60.24	14.75	74.99	122.20	-47.21	Peak	
3 *	5745.2000	96.54	14.80	111.34	122.20	-10.86	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5745 MHz	Polarization	Vertical
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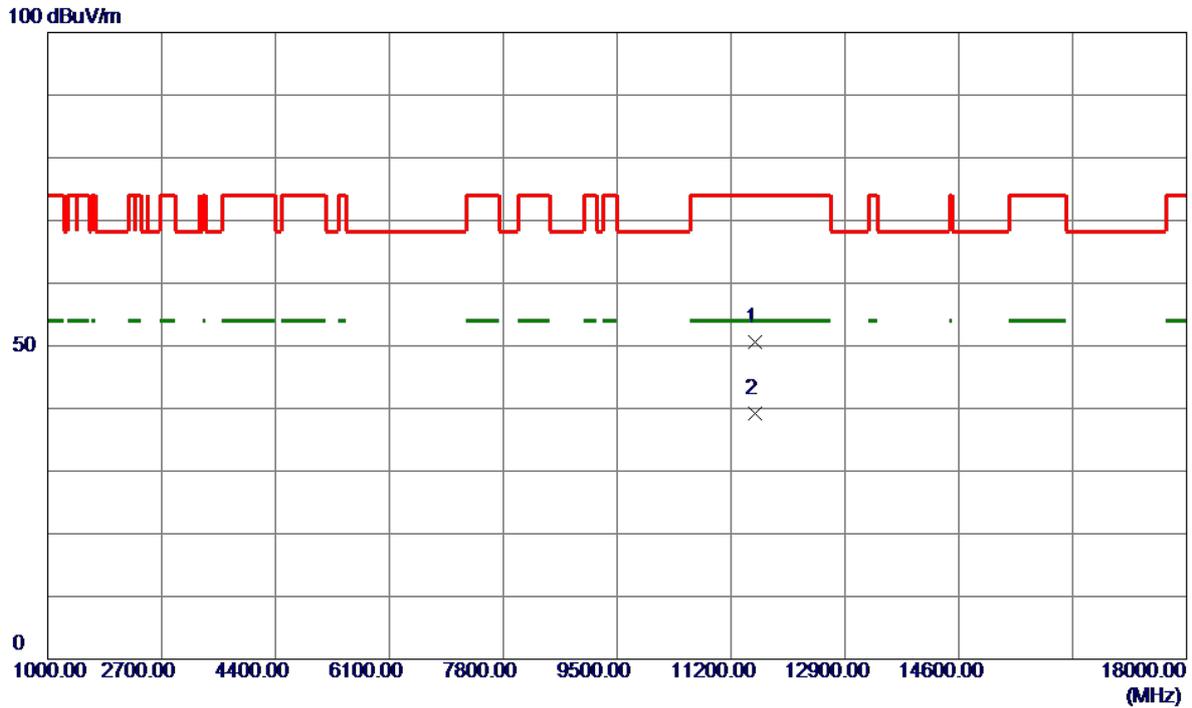


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11490.2500	31.24	11.28	42.52	54.00	-11.48	AVG	
2	11493.6000	40.78	11.28	52.06	74.00	-21.94	Peak	

REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5785 MHz	Polarization	Vertical
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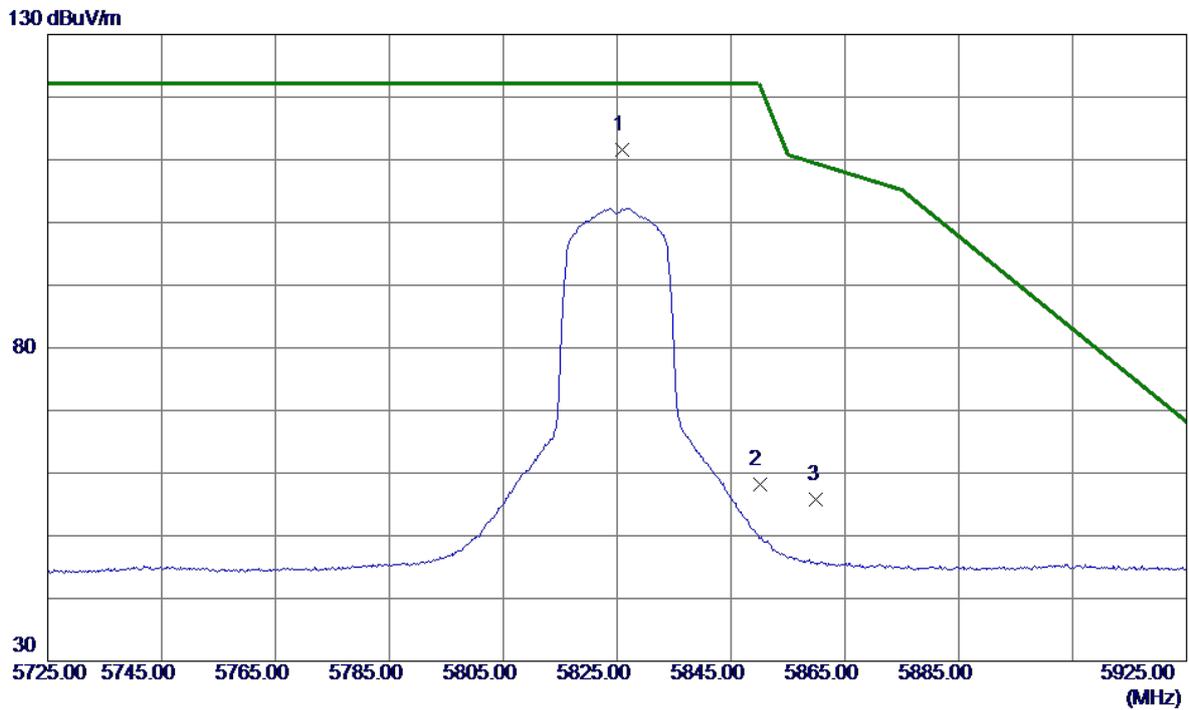


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11563.7000	39.26	11.30	50.56	74.00	-23.44	Peak	
2 *	11566.1000	27.91	11.30	39.21	54.00	-14.79	AVG	

REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5825 MHz	Polarization	Vertical
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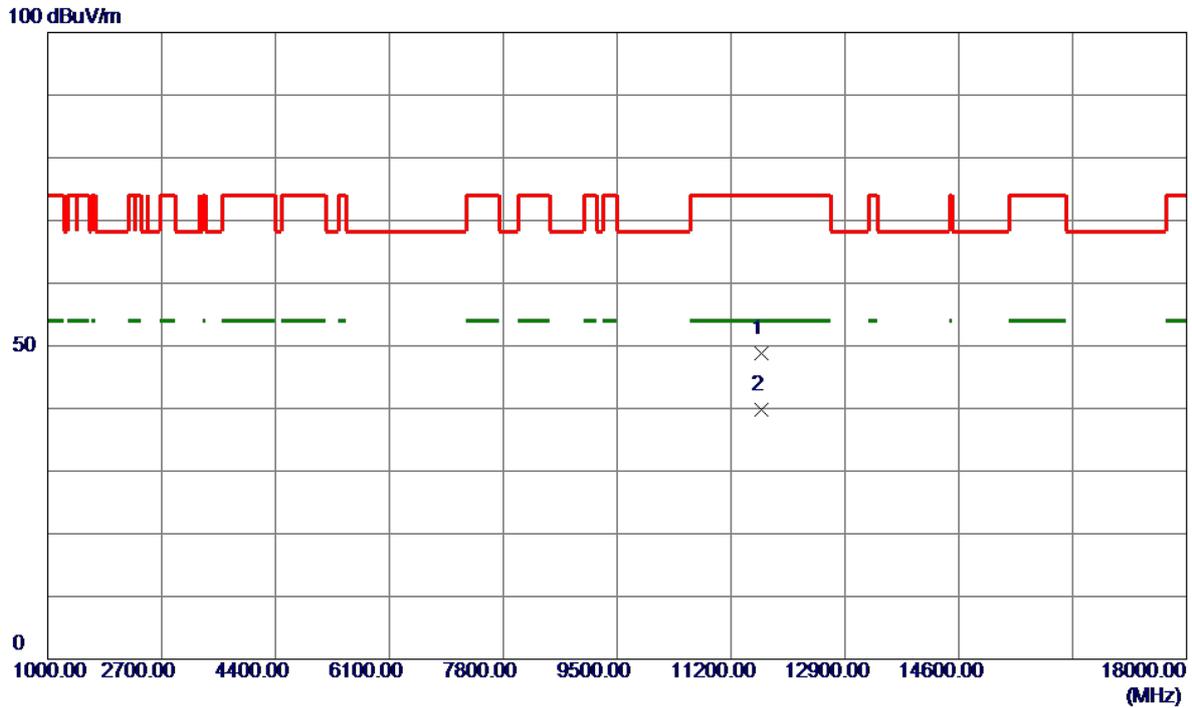


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5825.8000	96.53	14.99	111.52	122.20	-10.68	Peak	No Limit
2	5850.0000	43.11	15.05	58.16	122.20	-64.04	Peak	
3	5860.0000	40.72	15.07	55.79	109.40	-53.61	Peak	

REMARKS:

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

Test Mode	UNII-3_TX N(HT20) Mode 5825 MHz	Polarization	Vertical
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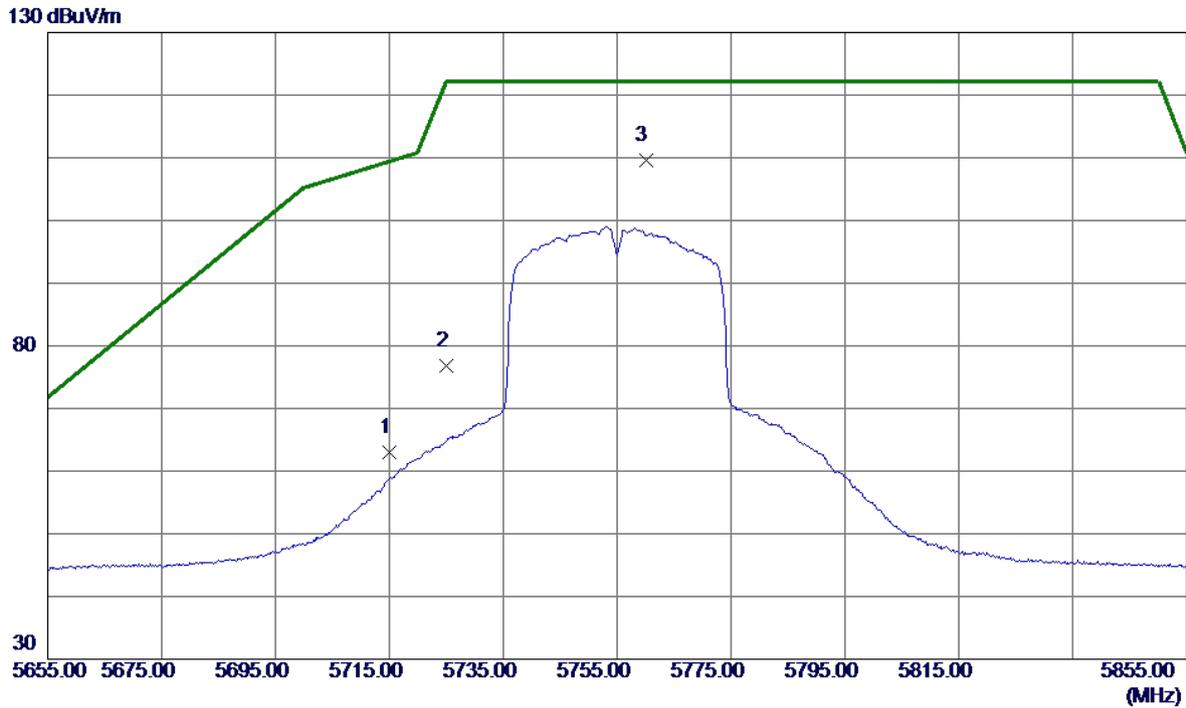


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11644.5500	37.43	11.31	48.74	74.00	-25.26	Peak	
2 *	11648.9500	28.40	11.31	39.71	54.00	-14.29	AVG	

REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5755 MHz	Polarization	Vertical
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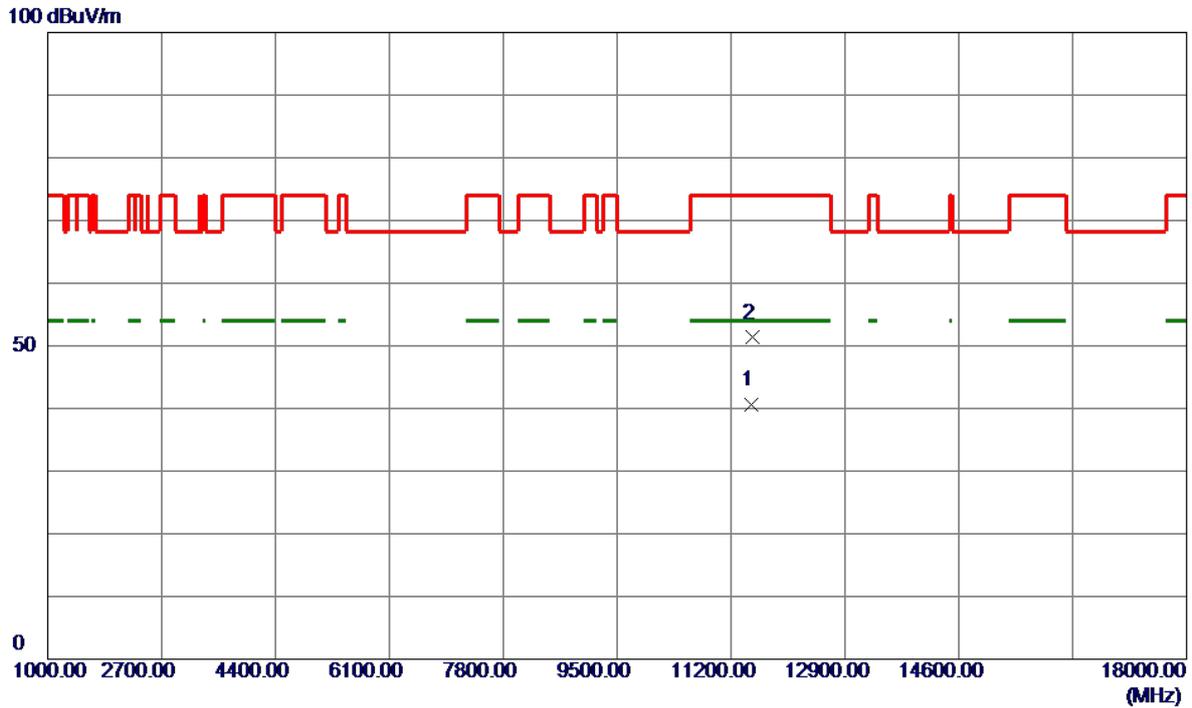


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	48.28	14.73	63.01	109.40	-46.39	Peak	
2	5725.0000	61.97	14.75	76.72	122.20	-45.48	Peak	
3 *	5760.0000	94.75	14.83	109.58	122.20	-12.62	Peak	No Limit

REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5755 MHz	Polarization	Vertical
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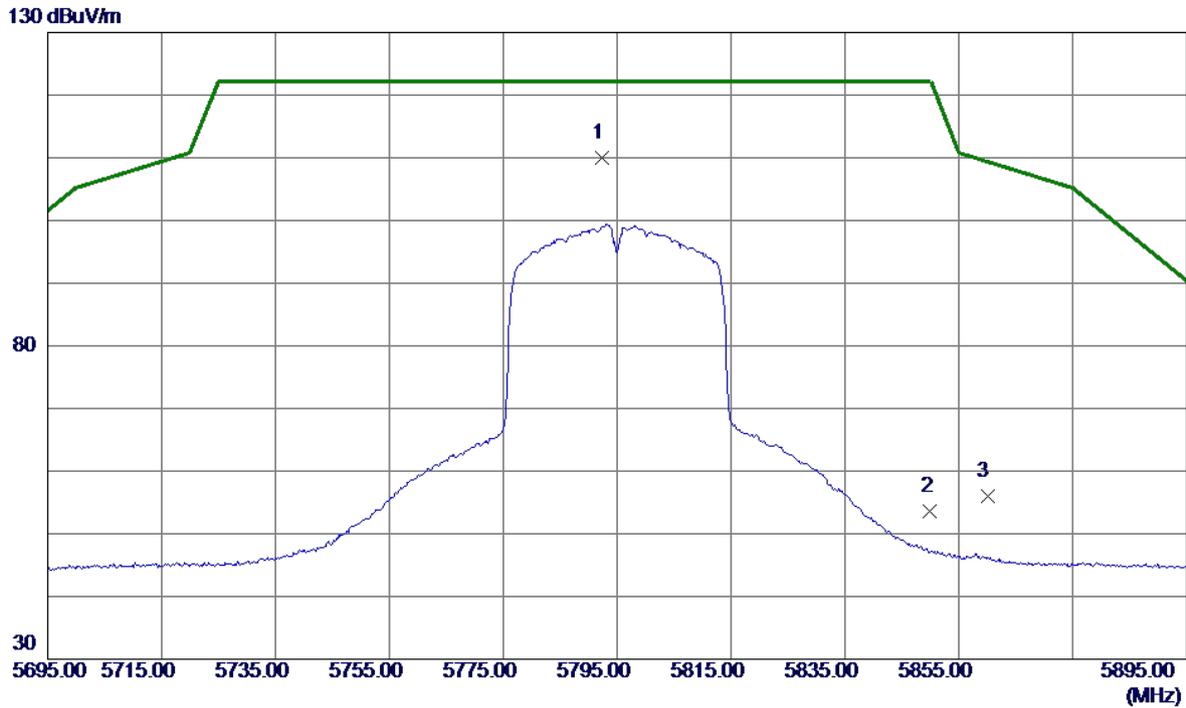


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	11506.9000	29.24	11.29	40.53	54.00	-13.47	AVG	
2	11518.2500	40.01	11.29	51.30	74.00	-22.70	Peak	

REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5795 MHz	Polarization	Vertical
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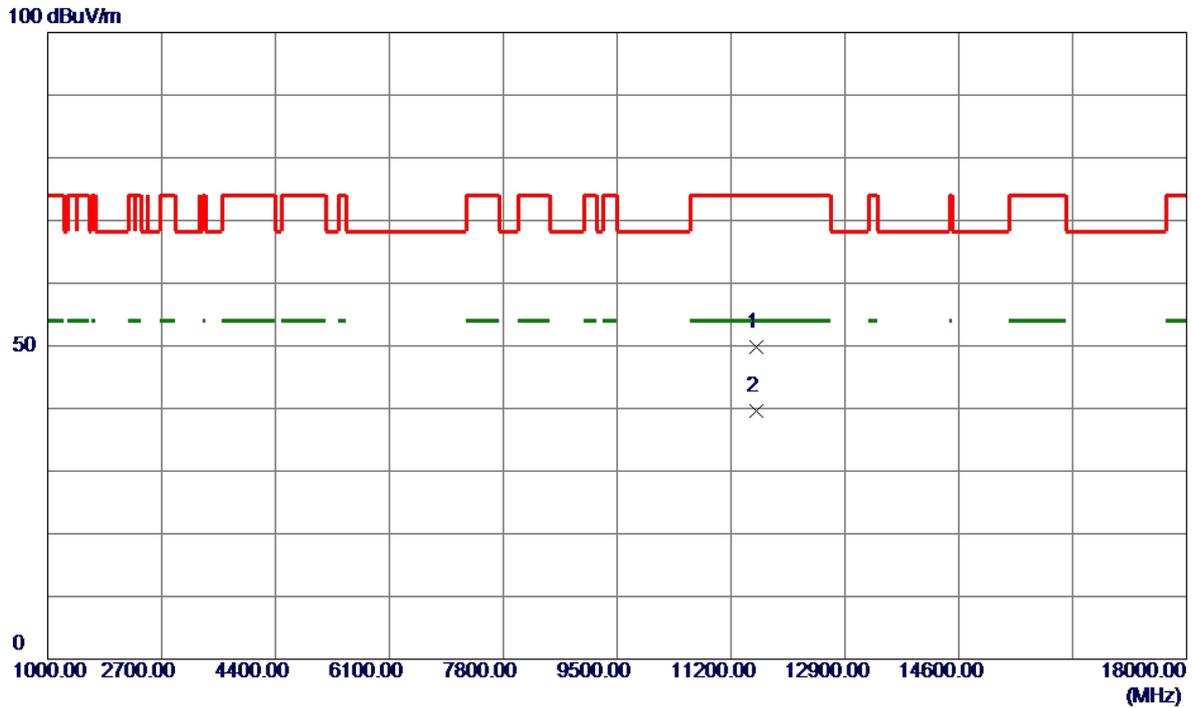


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5792.4000	95.11	14.91	110.02	122.20	-12.18	Peak	No Limit
2	5850.0000	38.50	15.05	53.55	122.20	-68.65	Peak	
3	5860.0000	40.95	15.07	56.02	109.40	-53.38	Peak	

REMARKS:

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

Test Mode	UNII-3_TX N(HT40) Mode 5795 MHz	Polarization	Vertical
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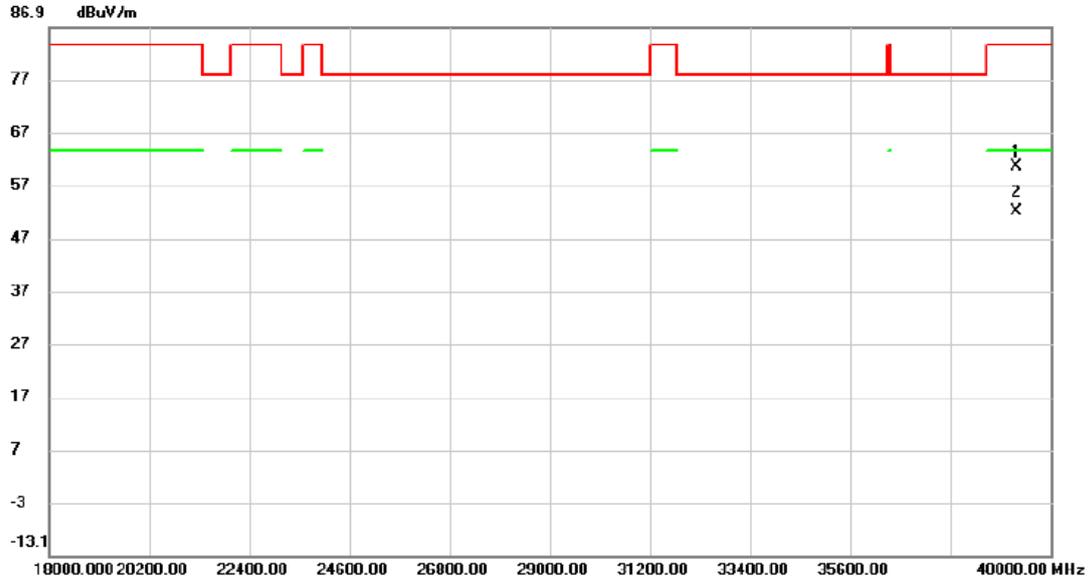


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11586.0000	38.48	11.30	49.78	74.00	-24.22	Peak	
2 *	11586.3000	28.34	11.30	39.64	54.00	-14.36	AVG	

REMARKS:

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

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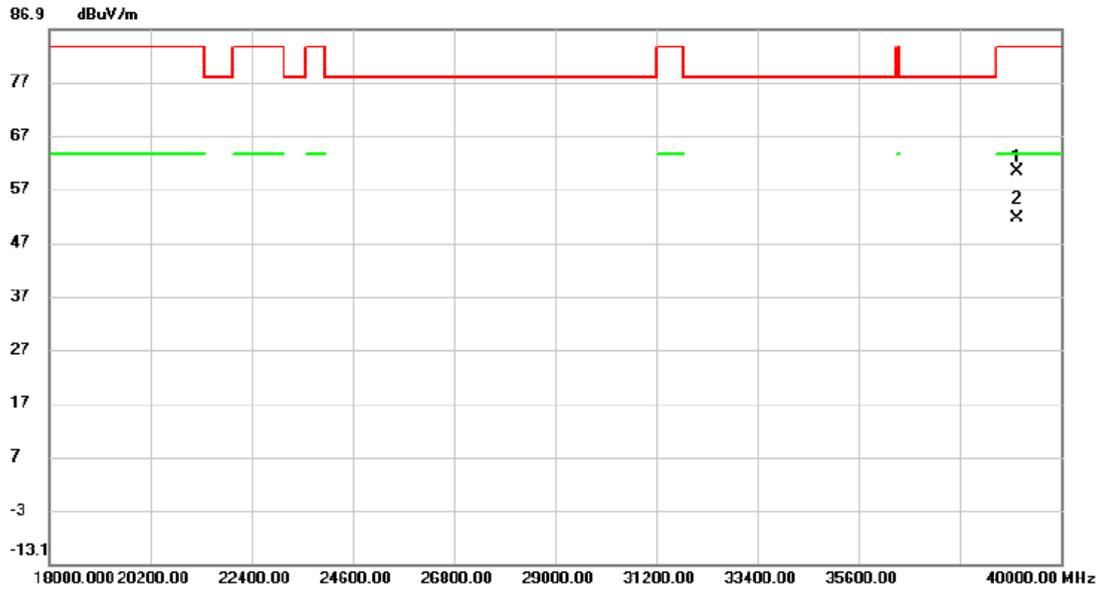


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		39263.000	49.46	11.11	60.57	83.50	-22.93	peak	
2	*	39263.000	40.88	11.11	51.99	63.50	-11.51	AVG	

REMARKS:

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

Test Mode	UNII-2A_TX A Mode 5260 MHz	Polarization	Horizontal
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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		39032.000	49.00	11.33	60.33	83.50	-23.17	peak	
2	*	39032.000	40.31	11.33	51.64	63.50	-11.86	AVG	

REMARKS:

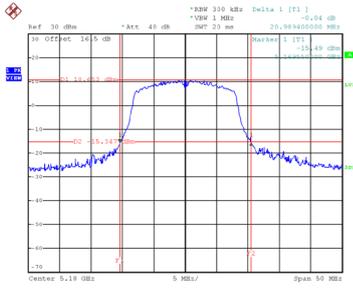
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	UNII-1_TX A Mode
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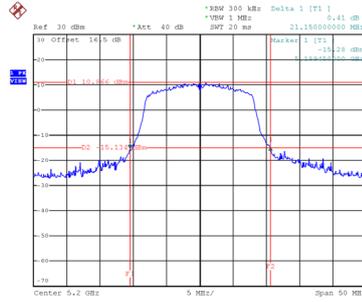
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	20.989	16.600
40	5200	21.150	16.700
48	5240	21.050	16.600

CH36



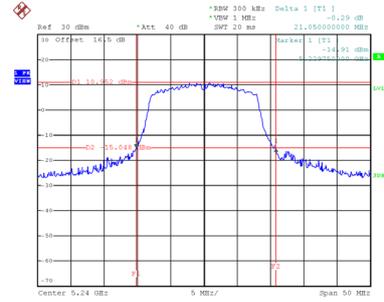
Date: 16.JAN.2025 19:15:27

CH40 26 dB Bandwidth



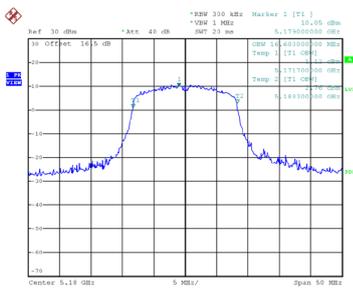
Date: 16.JAN.2025 19:16:39

CH48

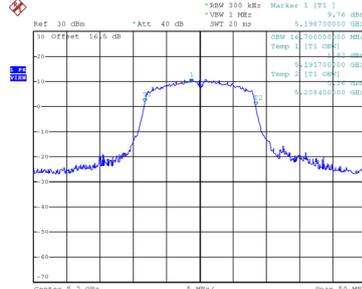


Date: 16.JAN.2025 19:18:05

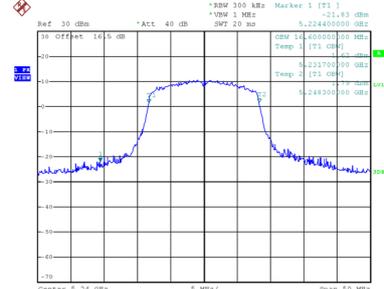
99 % Occupied Bandwidth



Date: 16.JAN.2025 19:14:57



Date: 16.JAN.2025 19:16:09

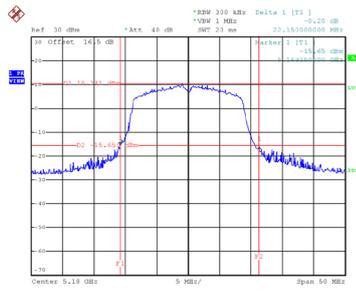


Date: 16.JAN.2025 19:17:34

Test Mode	UNII-1_TX N(HT20) Mode
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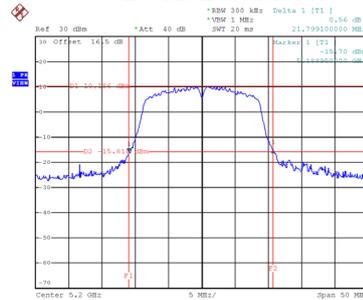
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
36	5180	22.150	17.800
40	5200	21.799	17.800
48	5240	22.189	17.800

CH36



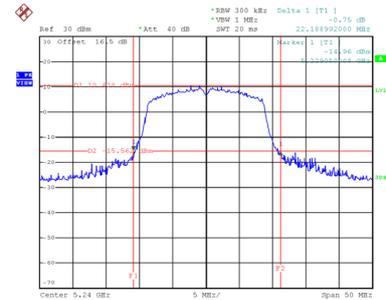
Date: 17.JAN.2025 09:08:08

CH40 26 dB Bandwidth



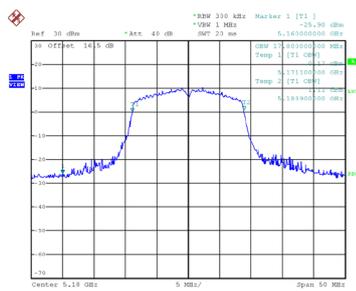
Date: 22.JAN.2025 15:10:16

CH48

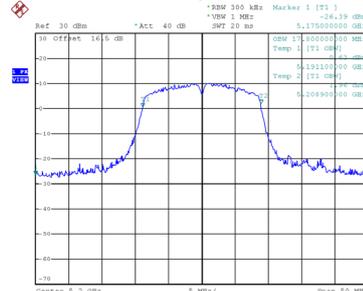


Date: 17.JAN.2025 09:12:50

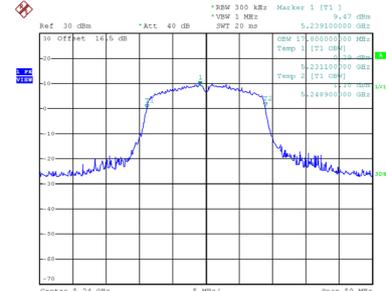
99 % Occupied Bandwidth



Date: 17.JAN.2025 09:07:35



Date: 22.JAN.2025 15:12:38

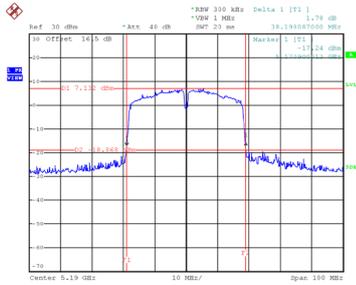


Date: 17.JAN.2025 09:12:10

Test Mode	UNII-1_TX N(HT40) Mode
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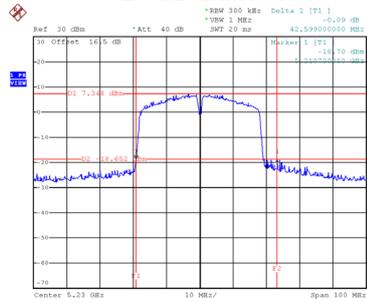
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
38	5190	38.198	35.800
46	5230	42.599	35.800

CH38

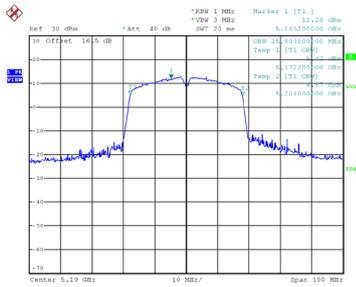


Date: 17.JAN.2025 09:34:25

CH46 26 dB Bandwidth

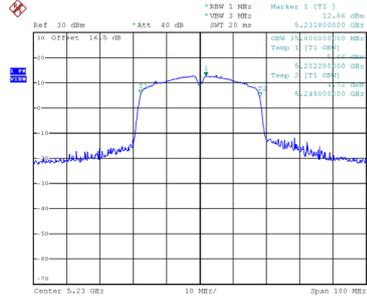


Date: 17.JAN.2025 09:35:38



Date: 17.JAN.2025 09:32:55

99 % Occupied Bandwidth

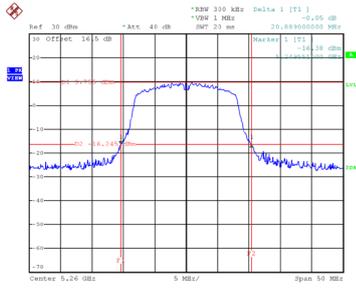


Date: 17.JAN.2025 09:35:06

Test Mode	UNII-2A_TX A Mode
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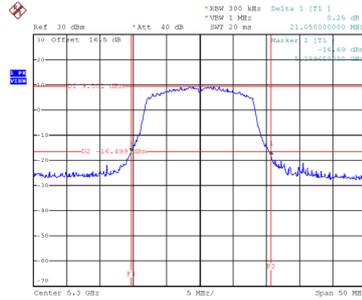
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
52	5260	20.889	16.600
60	5300	21.050	16.600
64	5320	20.800	16.600

CH52



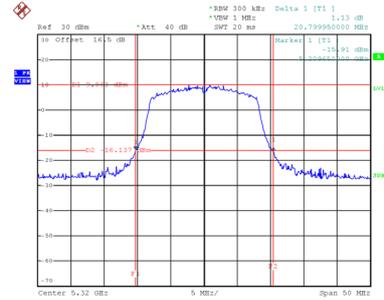
Date: 16.JAN.2025 19:19:24

CH60 26 dB Bandwidth



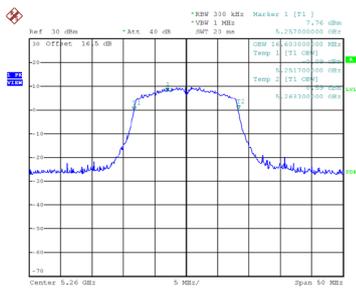
Date: 16.JAN.2025 19:22:53

CH64

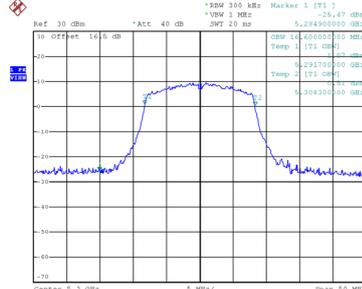


Date: 16.JAN.2025 19:24:07

99 % Occupied Bandwidth



Date: 16.JAN.2025 19:18:52



Date: 16.JAN.2025 19:22:24

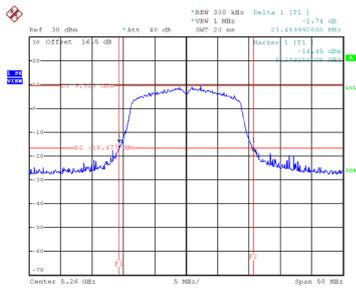


Date: 16.JAN.2025 19:23:39

Test Mode	UNII-2A_TX N(HT20) Mode
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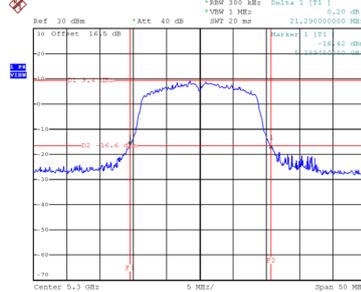
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
52	5260	21.490	17.800
60	5300	21.290	17.800
64	5320	21.359	17.700

CH52



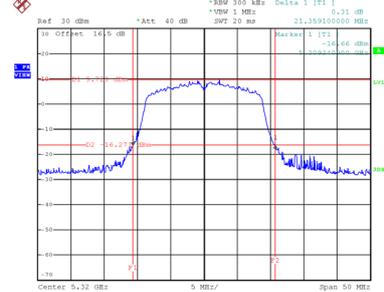
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CH60 26 dB Bandwidth



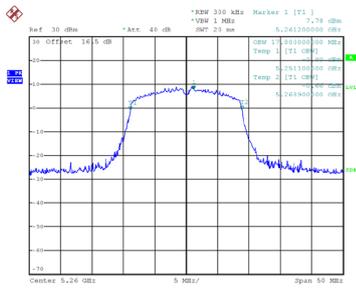
Date: 17.JAN.2025 09:16:31

CH64

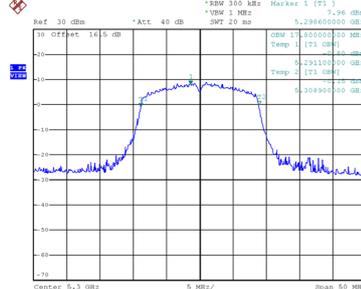


Date: 17.JAN.2025 09:17:35

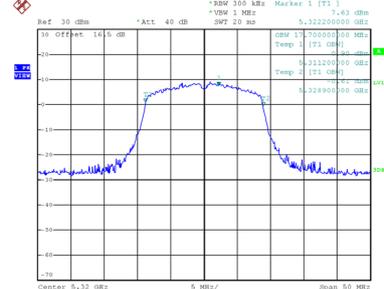
99 % Occupied Bandwidth



Date: 17.JAN.2025 09:13:40



Date: 17.JAN.2025 09:15:59



Date: 17.JAN.2025 09:17:01

